ArcSystem
Photometry and Color Info Guide

ETC ArcSystem Photometry and Color Info Guide

ArcSystem Series

TABLE OF CONTENTS

Photometry Data

Color Metric Information

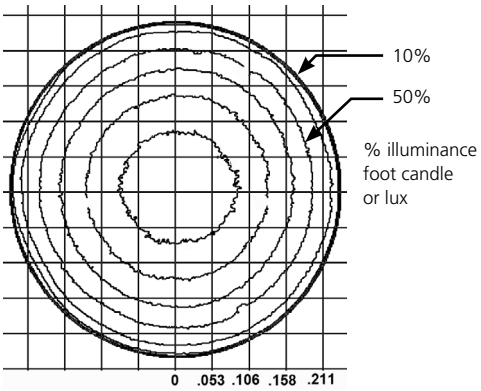
THROW DISTANCE MULTIPLIER

THROW DISTANCE MULTIPLIER (TDM)

To determine the distance from the center of the beam (Origin) to a certain illuminance level at a particular distance, multiply the desired throw distance by the TDM desired on the Iso-Illuminance diagram.

Throw Distance (TD) x Throw Distance Multiplier (TDM) = Distance from the Origin (DfO) (distance from the center of the beam)
Example: 25 feet (TD) x 0.047 (TDM) = 1.175 feet from center of beam (DfO)

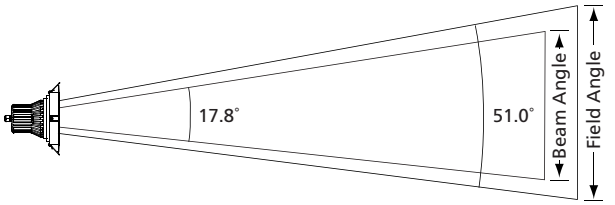
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro One-Cell 18°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	18°	8,717	1,008	444	24.9	40.5
3000K	18°	10,324	1,224	576	24.3	50.4
3500K	18°	11,590	1,317	596	24.9	52.9
4000K	18°	11,855	1,335	597	24.8	53.8
5000K	18°	12,034	1,424	673	23.7	60.1

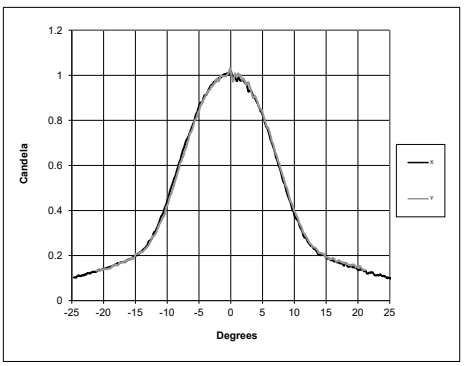
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



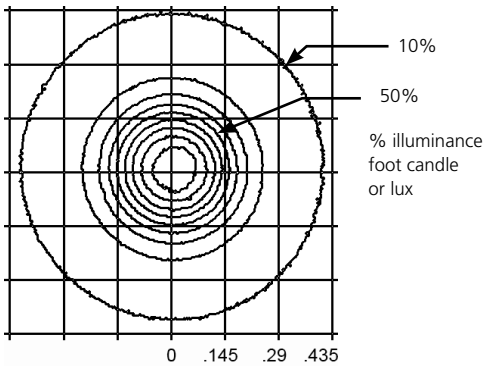
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	101.6ft 31.0m
Field Diameter	9.7ft 3.0m	14.6ft 4.4m	19.4ft 5.9n	24.3ft 7.4m	98.7ft 30.1m
Illuminance (fc)	103	46	26	17	1
Illuminance (lux)	1,111	494	278	178	10.8

For field diameter at any distance, multiply distance by 0.971
For beam diameter at any distance, multiply by 0.313

Candela Plot



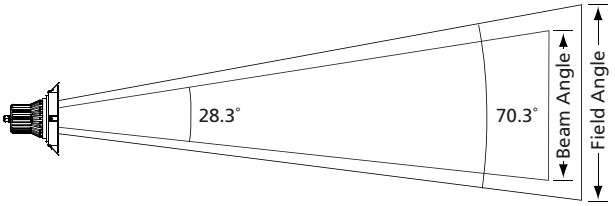
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro One-Cell 30°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	30°	5,409	1,277	562	24.9	51.3
3000K	30°	6,403	1,550	730	24.3	63.8
3500K	30°	7,192	1,668	755	24.9	67.0
4000K	30°	7,356	1,690	756	24.8	68.1
5000K	30°	7,468	1,803	853	23.7	76.1

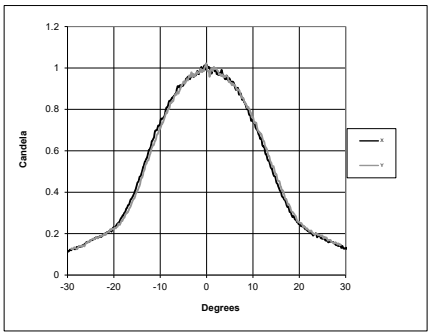
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



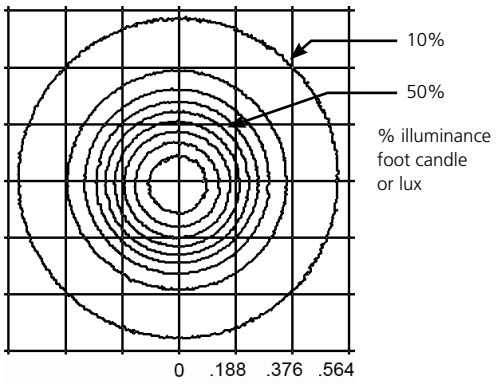
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	80.0ft 24.4m
Field Diameter	14.2ft 4.3m	21.3ft 6.5m	28.4ft 8.6m	35.5ft 10.8m	113.5ft 34.6m
Illuminance (fc)	64	28	16	10	1
Illuminance (lux)	689	306	178	110	10.8

For field diameter at any distance, multiply distance by 1.419
For beam diameter at any distance, multiply by 0.506

Candela Plot



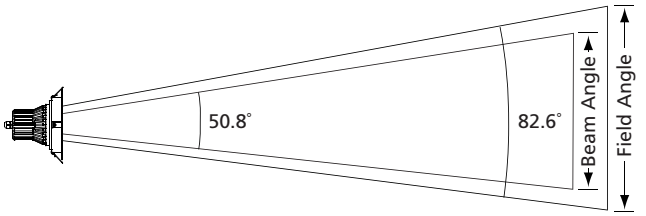
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro One-Cell 50°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	50°	2,572	1,629	717	24.9	65.4
3000K	50°	3,046	1,977	931	24.3	81.4
3500K	50°	3,420	2,127	963	24.9	85.4
4000K	50°	3,498	2,156	964	24.8	86.9
5000K	50°	3,551	2,300	1,088	23.7	97.0

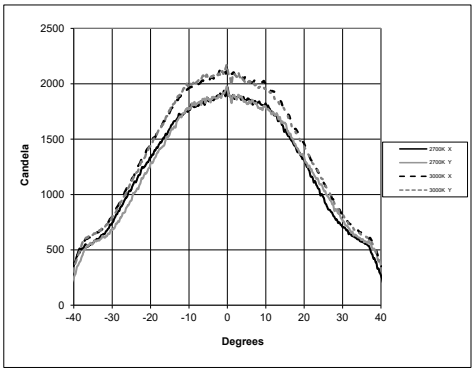
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	55.2ft 16.8m
Field Diameter	17.6ft 5.4m	26.4ft 8.0m	35.1ft 10.7m	43.9ft 13.4m	97.0ft 29.6m
Illuminance (fc)	30	14	8	5	1
Illuminance (lux)	328	146	82	52	10.8

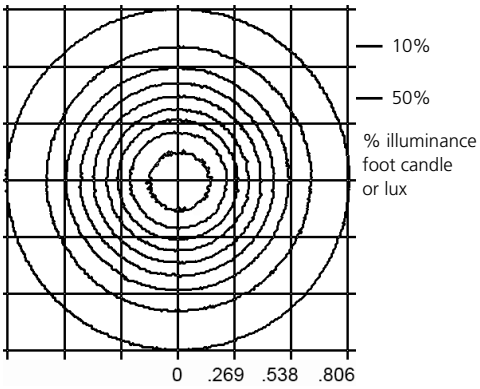
For field diameter at any distance, multiply distance by 1.757
For beam diameter at any distance, multiply by 0.954

Candela Plot



Iso-Illuminance Diagram

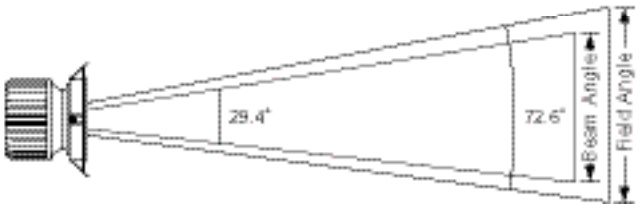
(Flat Surface Distribution)

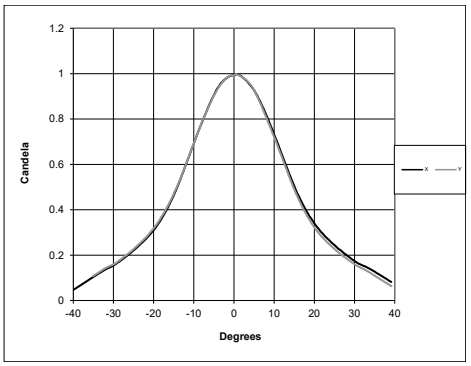


ArcSystem Pro One-Cell High-Output 24°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	29°	23,320	7,639	2,989	118.8	64.3
3000K	29°	25,170	8,142	3,210	118.8	68.5

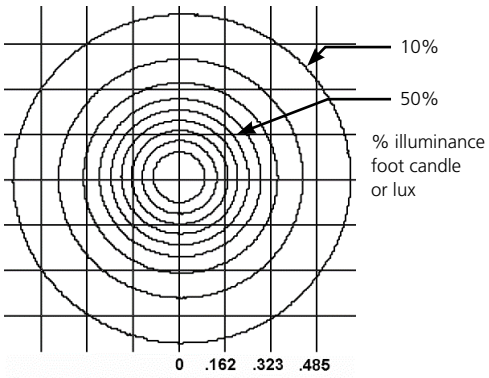
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76





Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	158.7ft 48.4m
Field Diameter	14.7ft 4.5m	22.0ft 6.7m	29.4ft 9.0m	36.7ft 11.2m	–
Illuminance (fc)	252	112	63	40	1
Illuminance (lux)	2,709	1,204	677	433	10.8

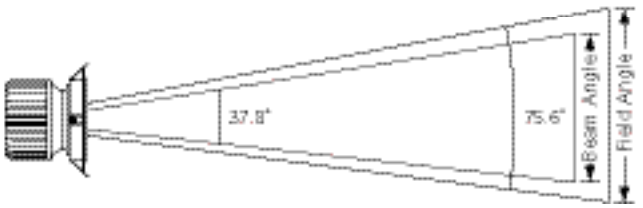
For field diameter at any distance, multiply distance by 1.469
For beam diameter at any distance, multiply by 0.525

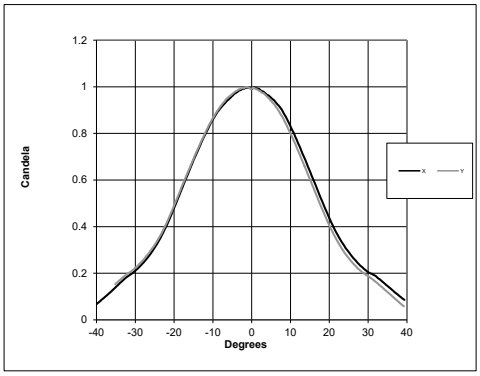


ArcSystem Pro One-Cell High-Output 37°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	37°	18,550	8,118	3,915	118.8	68.3
3000K	37°	19,540	8,537	4,117	118.8	71.9

Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76

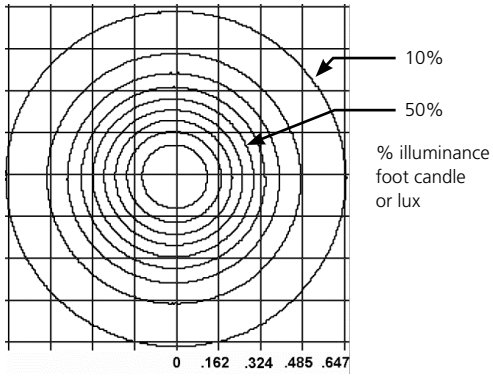




Iso-Illuminance Diagram
(Flat Surface Distribution)

Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	139.8ft 42.6m
Field Diameter	15.5ft 4.7m	23.3ft 7.1m	31.0ft 9.5m	38.8ft 11.8m	–
Illuminance (fc)	195	87	49	31	1
Illuminance (lux)	2,103	935	526	337	10.8

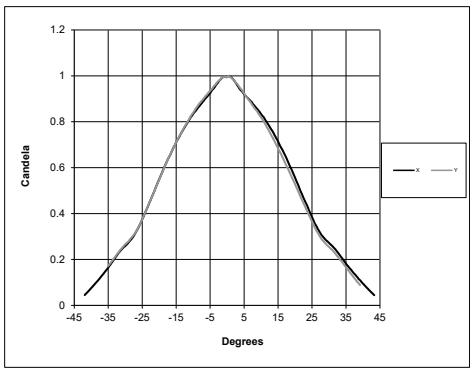
For field diameter at any distance, multiply distance by 1.551
For beam diameter at any distance, multiply by 0.685

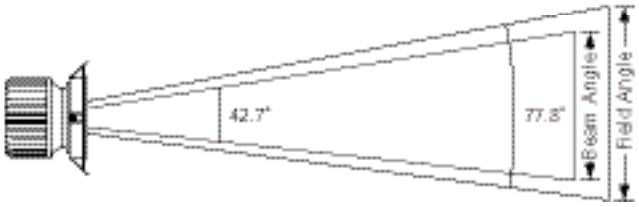


ArcSystem Pro One-Cell High-Output 50°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	50°	16,030	8,209	3,971	118.8	69.1
3000K	50°	17,060	8,723	4,214	118.8	73.4

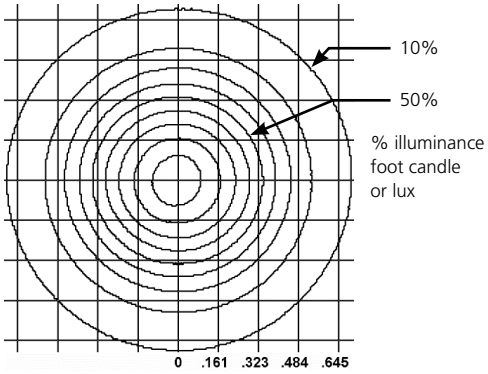
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76





Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	130.6ft 39.8m
Field Diameter	16.1ft 4.9m	24.2ft 7.4m	32.3ft 9.8m	40.3ft 12.3m	–
Illuminance (fc)	171	76	24.7	27.3	1
Illuminance (lux)	1,836	816	459	294	10.76

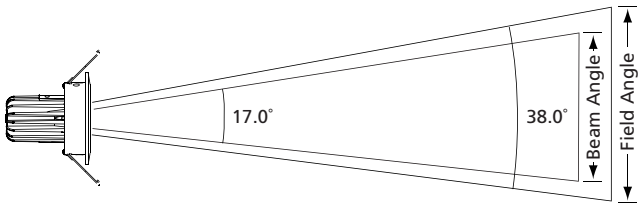
For field diameter at any distance, multiply distance by 1.164
For beam diameter at any distance, multiply by 0.782



ArcSystem Pro One-Cell Micro 19°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	19°	4,923	500	236	9.7	51.5
3000K	19°	5,125	518	239	9.7	53.4
3500K	19°	5,245	544	237	9.6	56.7
4000K	19°	5,566	542	239	9.5	57.1

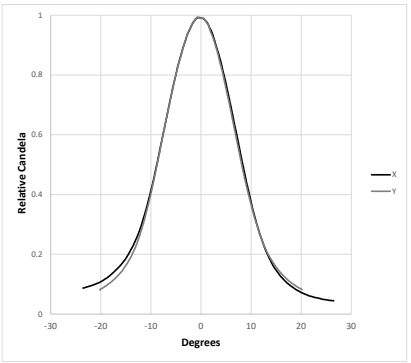
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



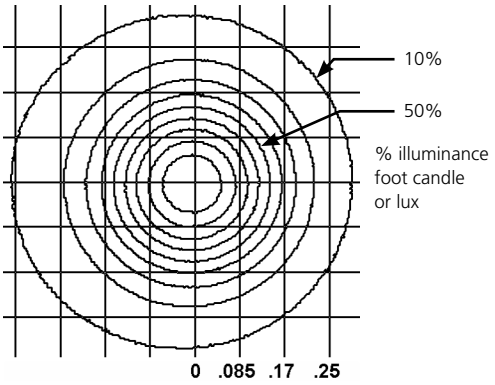
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	71.6ft 21.8m
Field Diameter	6.9ft 2.1m	10.3ft 3.1m	13.8ft 4.2m	17.2ft 5.2m	
Illuminance (fc)	51.3	22.8	12.8	8.2	1
Illuminance (lux)	552	245	138	88	10.8

For field diameter at any distance, multiply distance by 0.691
For beam diameter at any distance, multiply by 0.297

Candela Plot



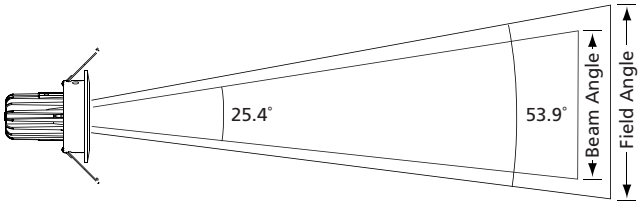
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro One-Cell Micro 24°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	24°	2,688	555	275	9.7	57.2
3000K	24°	2,864	583	296	9.8	59.5
3500K	24°	3,059	642	327	9.6	66.9
4000K	24°	2,804	605	285	9.6	63.0

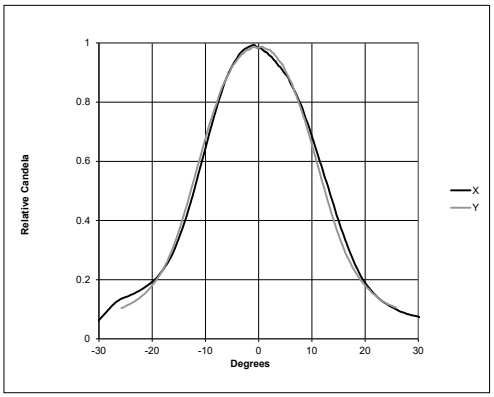
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



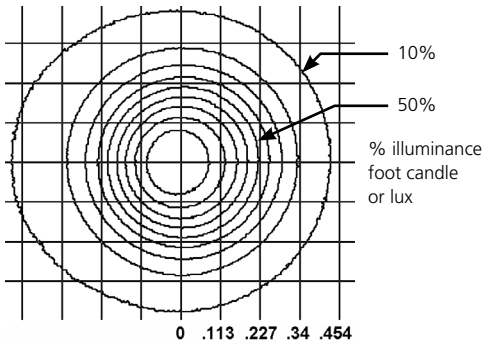
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	53.5ft 16.3m
Field Diameter	10.2ft 3.1m	15.3ft 4.6m	20.3ft 6.2m	25.4ft 7.7m	–
Illuminance (fc)	28.6	12.7	7.2	4.6	1
Illuminance (lux)	308	137	77	49	10.8

For field diameter at any distance, multiply distance by 1.017
For beam diameter at any distance, multiply by 0.451

Candela Plot



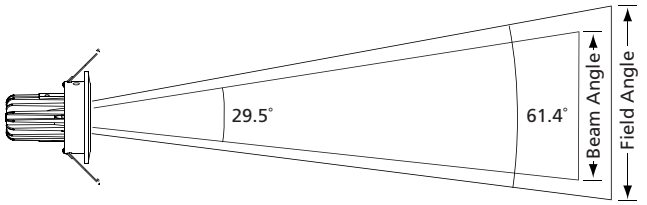
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro One-Cell Micro 37°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	37°	2,175	576	263	9.8	58.8
3000K	37°	2,092	595	275	9.7	61.3
3500K	37°	2,094	627	288	9.6	65.3
4000K	37°	2,141	634	300	9.6	66.0

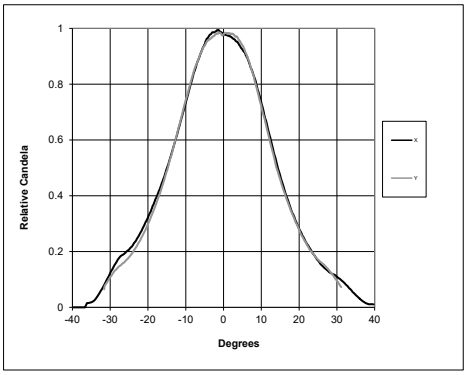
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



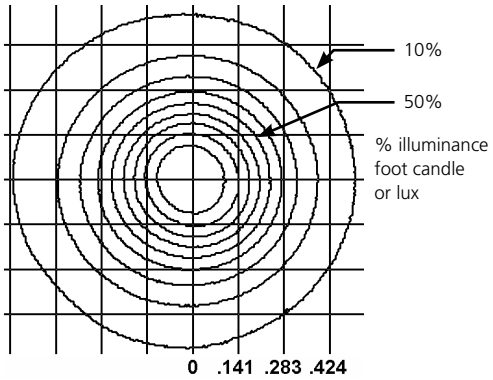
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	45.7ft 13.9m
Field Diameter	11.9ft 3.6m	17.8ft 5.4m	23.8ft 7.2m	29.7ft 9.0m	–
Illuminance (fc)	20.9	9.3	5.2	3.3	1
Illuminance (lux)	225	100	56	36	10.8

For field diameter at any distance, multiply distance by 1.188
For beam diameter at any distance, multiply by 0.527

Candela Plot



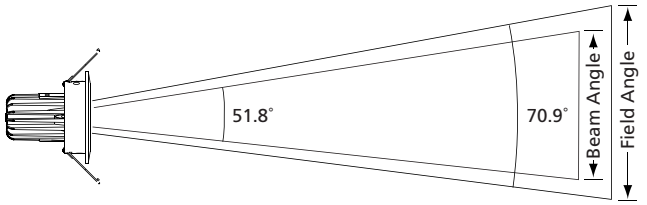
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro One-Cell Micro 60°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	60°	1,044	607	373	9.6	63.2
3000K	60°	1,057	672	404	9.7	69.3
3500K	60°	1,059	678	408	9.6	70.6
4000K	60°	1,046	638	385	9.5	67.2

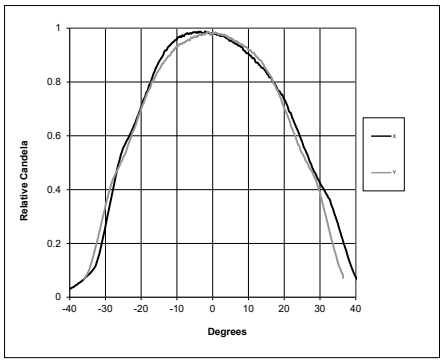
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



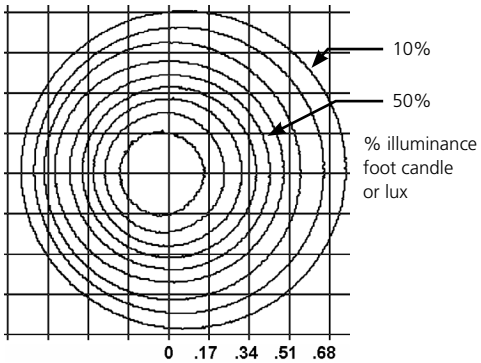
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	32.5ft 9.9m
Field Diameter	14.2ft 4.3m	21.4ft 6.5m	28.5ft 8.7m	35.6ft 10.9m	–
Illuminance (fc)	10.6	4.7	2.7	1.7	1
Illuminance (lux)	114	51	28	18	10.8

For field diameter at any distance, multiply distance by 1.424
For beam diameter at any distance, multiply by 0.971

Candela Plot



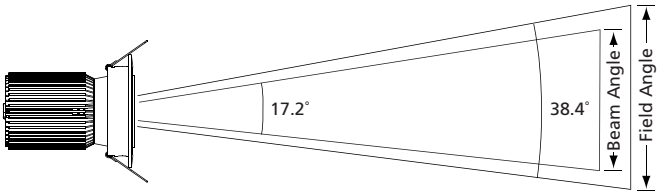
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro One-Cell Small 19°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	19°	12,240	1,174	535	24.6	47.7
3000K	19°	13,260	1,352	691	24	56.3
3500K	19°	14,320	1,514	691	23.6	64.2
4000K	19°	14,600	1,484	680	24.5	60.6
5000K	19°	15,120	1,574	719	23.4	67.3

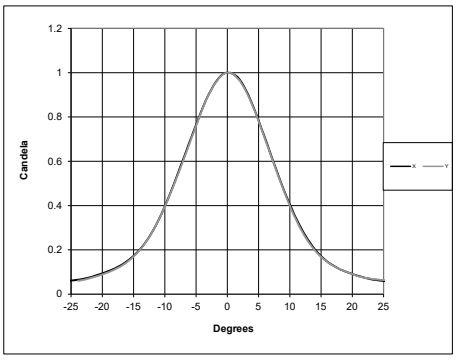
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



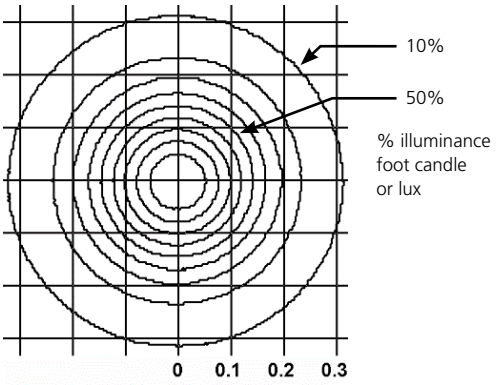
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	115.2ft 35.1m
Field Diameter	7.0ft 2.1m	10.4ft 3.2m	13.9ft 4.2m	17.4ft 5.3m	–
Illuminance (fc)	133	59	33	21	1
Illuminance (lux)	1,427	634	357	228	10.8

For field diameter at any distance, multiply distance by 0.696
For beam diameter at any distance, multiply by 0.302

Candela Plot



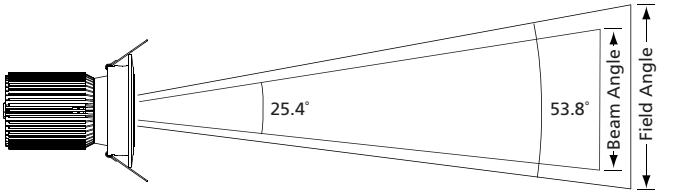
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro One-Cell Small 24°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	24°	6,730	1,340	702	24.6	54.5
3000K	24°	7,640	1,529	931	24	63.7
3500K	24°	8,060	1,661	867	23.6	70.4
4000K	24°	8,460	1,692	897	24.5	69.1
5000K	24°	8,540	1,751	911	23.4	74.8

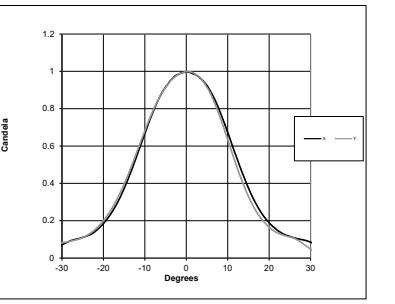
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



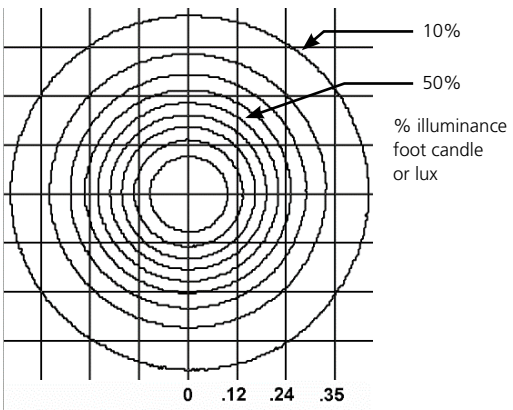
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	87.4ft 26.6m
Field Diameter	10.1ft 3.1m	15.2ft 4.6m	20.3ft 6.2m	25.4ft 7.7m	–
Illuminance (fc)	76	34	19	12	1
Illuminance (lux)	822	365	206	132	10.8

For field diameter at any distance, multiply distance by 1.015
For beam diameter at any distance, multiply by 0.451

Candela Plot



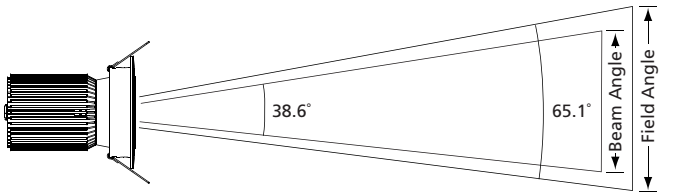
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro One-Cell Small 37°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	37°	3,600	1,507	904	24.6	61.3
3000K	37°	4,220	1,753	1,049	24.0	73.0
3500K	37°	4,490	1,849	1,010	23.6	78.3
4000K	37°	4,440	1,824	993	24.5	74.4
5000K	37°	4,930	2,023	1,098	23.4	86.5

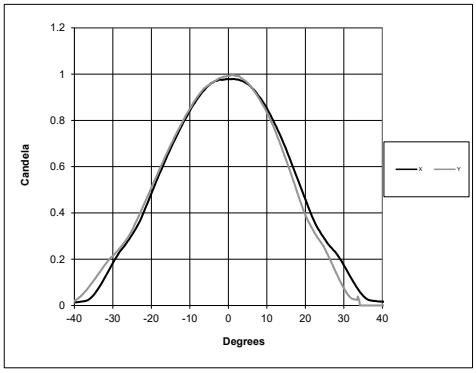
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



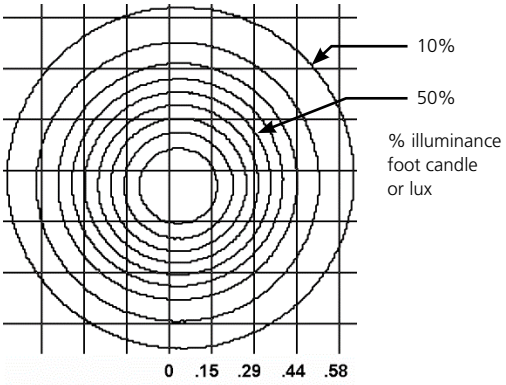
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	65.0ft 19.8m
Field Diameter	12.8ft 3.9m	19.1ft 5.8m	25.5ft 7.8m	31.9ft 9.7m	–
Illuminance (fc)	42	19	11	6.8	1
Illuminance (lux)	454	202	114	73	10.8

For field diameter at any distance, multiply distance by 1.277
For beam diameter at any distance, multiply by 0.700

Candela Plot



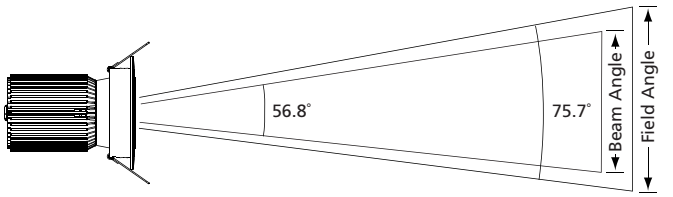
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro One-Cell Small 60°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	60°	2,230	1,516	844	24.6	61.6
3000K	60°	2,730	1,766	1,049	24.0	73.6
3500K	60°	2,790	1,838	1,070	23.6	77.9
4000K	60°	2,680	1,841	1,061	24.5	75.1
5000K	60°	2,990	1,984	1,162	23.4	84.8

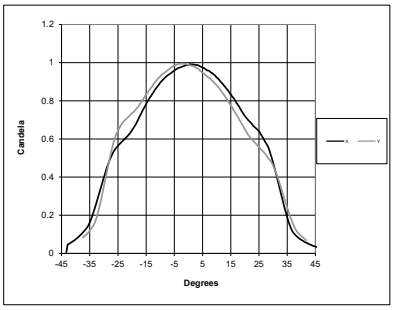
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



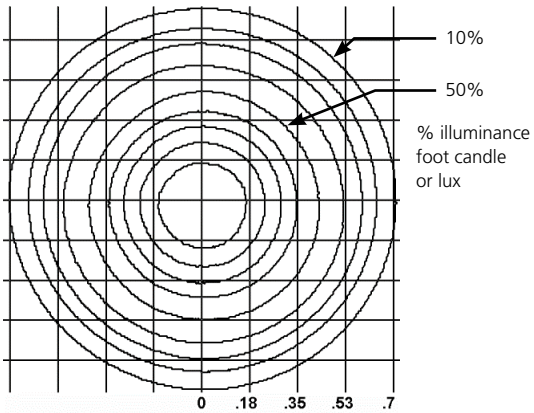
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	52.2ft 15.9m
Field Diameter	15.5ft 4.7m	23.3ft 7.1m	31.1ft 9.5m	38.9ft 11.8m	–
Illuminance (fc)	27	12	6.8	4.4	1
Illuminance (lux)	294	131	73	47	10.8

For field diameter at any distance, multiply distance by 1.554
For beam diameter at any distance, multiply by 1.081

Candela Plot



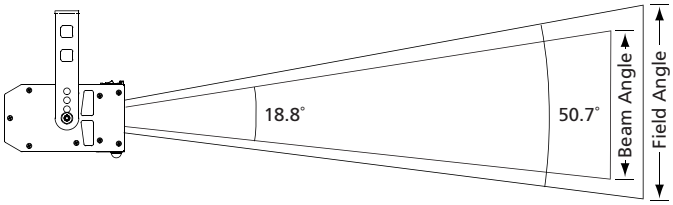
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Two-Cell 19°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	19°	24,600	2,377	1,030	48.3	49.2
3000K	19°	28,300	2,745	1,182	48.3	56.8
3500K	19°	30,780	3,100	1,350	47.2	65.7
4000K	19°	30,290	2,947	1,228	49.0	60.1
5000K	19°	31,380	3,267	1,435	46.5	70.3
2700K FTW	19°	29,322	2,844	1,225	49.3	57.7
3000K FTW	19°	21,805	2,680	1,132	48.3	55.5

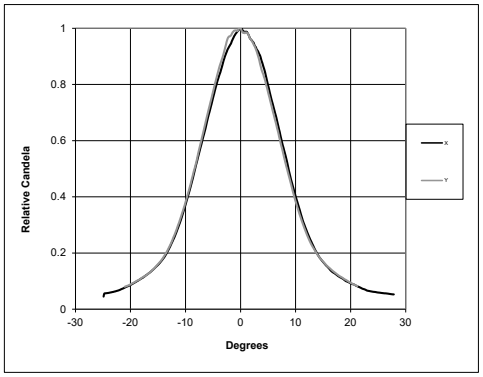
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



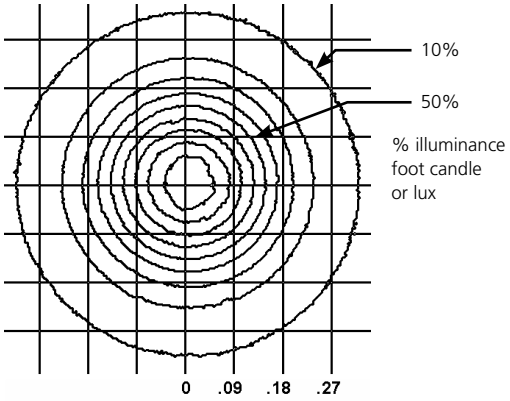
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	168.2ft 51.3m
Field Diameter	6.9ft 2.1m	10.4ft 3.2m	13.9ft 4.2m	17.3ft 5.3m	–
Illuminance (fc)	283	126	71	45	1
Illuminance (lux)	3,046	1,354	762	487	10.8

For field diameter at any distance, multiply distance by 0.693
For beam diameter at any distance, multiply by 0.297

Candela Plot



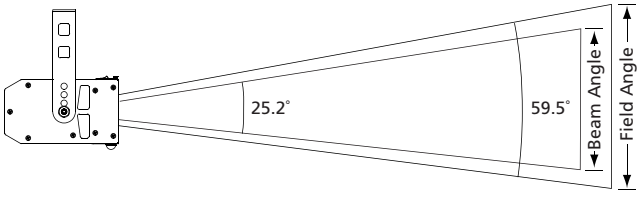
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Two-Cell 24°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	24°	14,910	2,783	1,396	49.2	56.6
3000K	24°	17,040	3,163	1,587	48.7	64.9
3500K	24°	18,850	3,506	1,719	47.5	73.8
4000K	24°	18,760	3,430	1,693	49.1	69.9
5000K	24°	20,080	3,759	1,874	46.2	81.4
2700K FTW	24°	15,714	3,197	1,546	49.3	64.8
3000K FTW	24°`	14,782	3,027	1,441	48.3	62.7

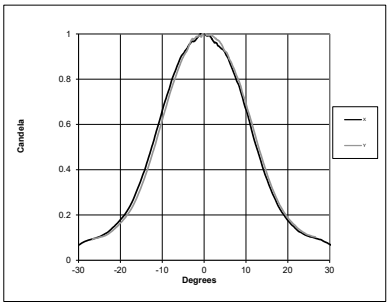
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



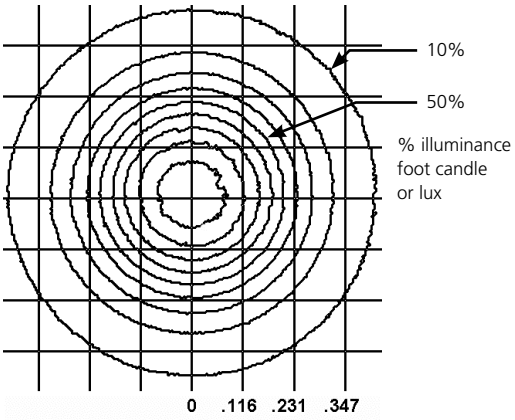
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	130.5ft 39.8m
Field Diameter	9.5ft 2.9m	14.2ft 4.3m	18.9ft 5.8m	23.6ft 7.2m	–
Illuminance (fc)	170	76	43	27	1
Illuminance (lux)	1,834	815	459	293	10.8

For field diameter at any distance, multiply distance by 0.945
For beam diameter at any distance, multiply by 0.434

Candela Plot



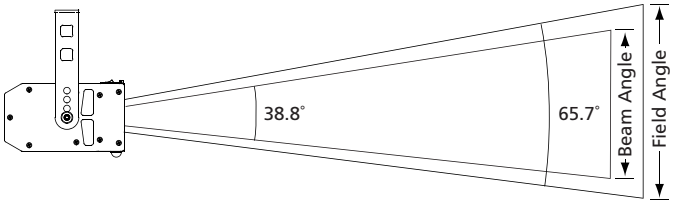
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Two-Cell 37°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	37°	7,980	3,215	1,641	48.3	66.6
3000K	37°	9,100	3,666	1,871	48.3	75.9
3500K	37°	10,270	4,139	2,112	47.2	87.7
4000K	37°	9,340	3,765	1,922	49.0	76.8
5000K	37°	10,840	4,370	2,230	46.5	94.0
2700K FTW	37°	9,404	3,791	1,935	49.3	76.9
3000K FTW	37°	8,513	3,431	1,751	48.3	71.0

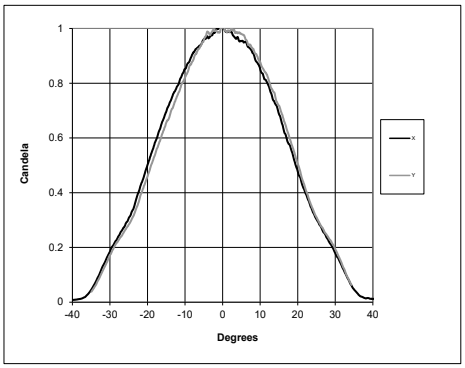
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



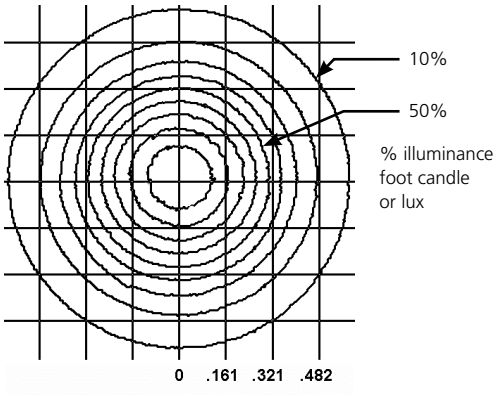
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	95.4ft 29.1m
Field Diameter	13.0ft 4.0m	19.6ft 6.0m	26.1ft 7.9m	32.6ft 9.9m	–
Illuminance (fc)	91	40	23	15	1
Illuminance (lux)	980	435	245	157	10.8

For field diameter at any distance, multiply distance by 1.304
For beam diameter at any distance, multiply by 0.708

Candela Plot



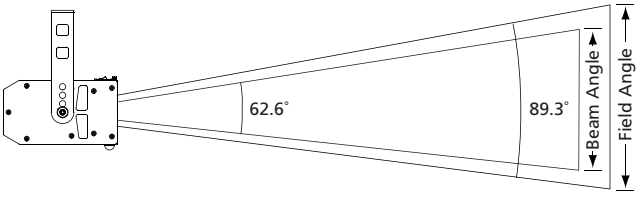
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Two-Cell 60°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	60°	4,710	3,353	1,744	48.3	69.4
3000K	60°	5,352	3,814	1,984	48.3	79.0
3500K	60°	5,980	4,256	2,214	47.2	90.2
4000K	60°	5,851	4,156	2,167	49.0	85.0
5000K	60°	6,092	4,337	2,256	46.5	93.3
2700K FTW	60°	6,001	4,272	2,222	49.3	86.7
3000K FTW	60°	5,026	3,578	1,861	48.3	74.1

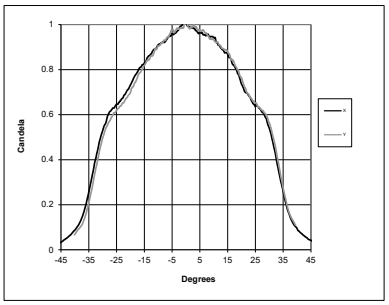
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



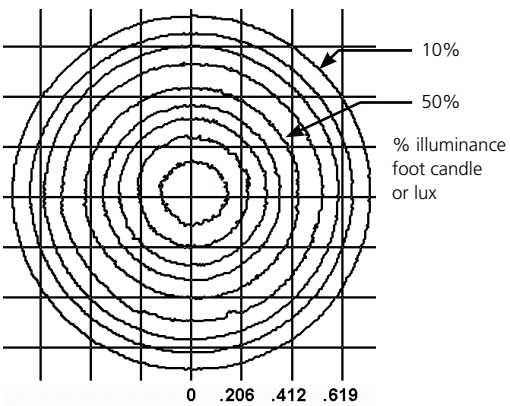
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	73.2ft 22.3m
Field Diameter	16.5ft 5.0m	24.8ft 7.6m	32.6ft 9.9m	40.8ft 12.4m	–
Illuminance (fc)	54	24	13	9	1
Illuminance (lux)	577	256	144	92	10.8

For field diameter at any distance, multiply distance by 1.655
For beam diameter at any distance, multiply by 1.169

Candela Plot



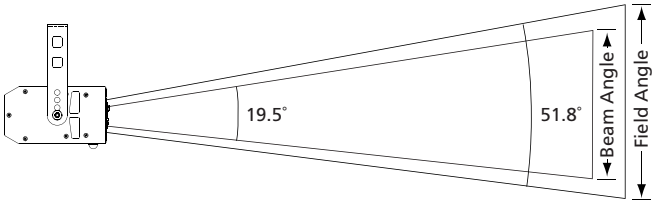
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Four-Cell Linear 19°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	19°	47,340	4,729	2,099	95.8	49.4
3000K	19°	54,660	5,461	2,424	96.5	56.6
3500K	19°	61,720	6,165	2,737	94.2	65.4
4000K	19°	58,710	5,865	2,603	96.0	61.1
5000K	19°	65,050	6,499	2,885	92.9	70.0
2700K FTW	19°	56,631	5,658	2,511	95.8	59.1
3000K FTW	19°	53,351	5,330	2,366	96.5	55.2

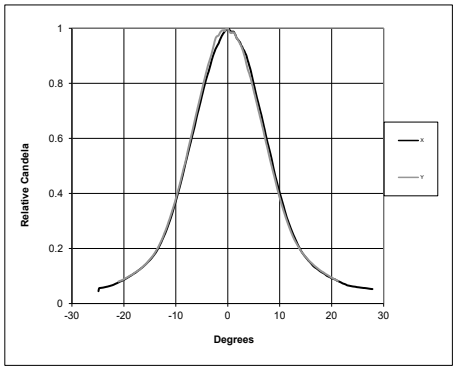
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



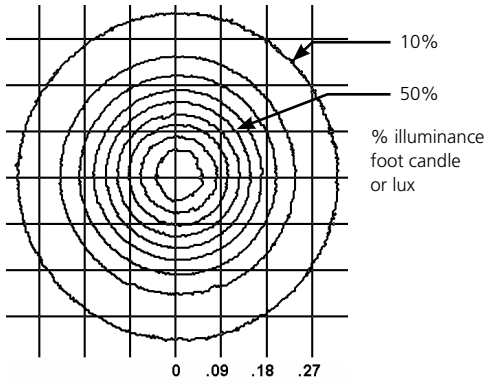
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	233.8ft 71.3m
Field Diameter	6.9ft 2.1m	10.4ft 3.2m	13.9ft 4.2m	17.4ft 5.3m	–
Illuminance (fc)	547	243	137	87	1
Illuminance (lux)	5,884	2,615	1,471	941	10.8

For field diameter at any distance, multiply distance by 0.695
For beam diameter at any distance, multiply by 0.299

Candela Plot



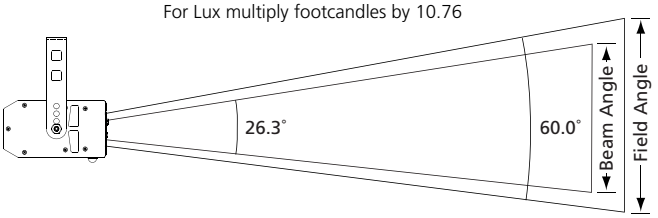
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Four-Cell Linear 24°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	24°	28,520	5,560	2,775	95.8	58.0
3000K	24°	32,410	6,318	3,153	96.6	65.4
3500K	24°	35,920	7,000	3,494	94.2	74.3
4000K	24°	35,140	6,849	3,418	96.0	71.3
5000K	24°	38,510	7,506	3,746	92.9	80.8
2700K FTW	24°	32,122	6,261	3,125	95.8	65.4
3000K FTW	24°	31,020	6,046	3,017	96.5	62.7

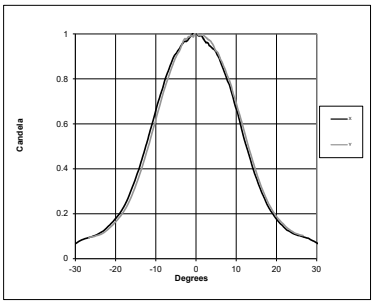
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



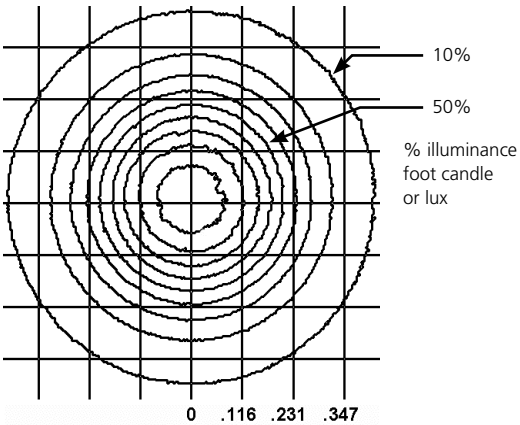
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	180.0ft 54.9m
Field Diameter	9.6ft 2.9m	14.3ft 4.4m	19.1ft 5.8m	23.9ft 7.3m	–
Illuminance (fc)	324	144	81	52	1
Illuminance (lux)	3,489	1,550	572	558	10.8

For field diameter at any distance, multiply distance by 0.956
For beam diameter at any distance, multiply by 0.442

Candela Plot



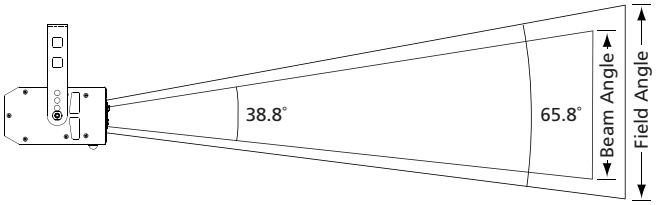
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Four-Cell Linear 37°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	37°	15,520	6,325	3,193	95.8	66.0
3000K	37°	17,810	7,216	4,218	96.7	74.6
3500K	37°	19,840	8,148	4,218	94.2	86.5
4000K	37°	18,060	7,411	3,745	96.0	77.2
5000K	37°	21,540	8,598	4,375	92.9	92.6
2700K FTW	37°	18,365	7,459	3,775	98.5	75.7
3000K FTW	37°	16,345	6,754	3,475	96.5	70.0

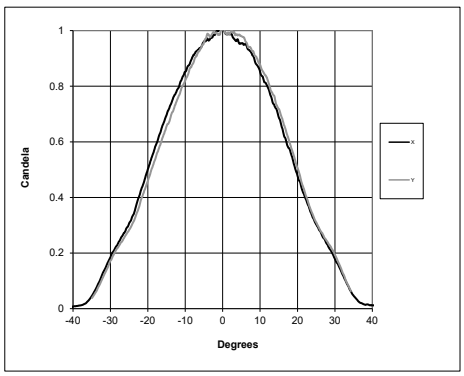
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



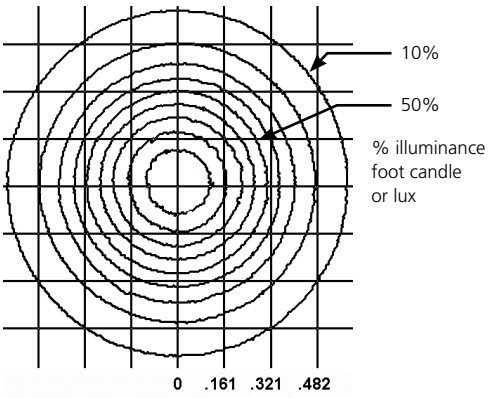
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	133.5ft 40.7m
Field Diameter	13.0ft 4.0m	19.6ft 6.0m	26.1ft 7.9m	32.6ft 9.9m	–
Illuminance (fc)	178	79	45	28	1
Illuminance (lux)	1,917	852	479	307	10.8

For field diameter at any distance, multiply distance by 1.296
For beam diameter at any distance, multiply by 0.698

Candela Plot



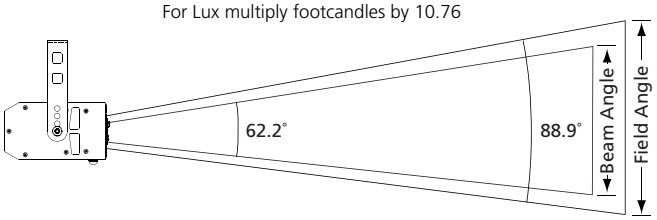
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Four-Cell Linear 60°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	60°	9,230	6,651	3,693	97.5	68.2
3000K	60°	10,500	7,566	4,201	96.1	78.7
3500K	60°	11,720	8,444	4,688	93.4	90.4
4000K	60°	11,470	8,262	4,587	95.8	86.2
5000K	60°	11,940	8,603	4,777	92.5	93.0
2700K FTW	60°	11,763	8,474	4,705	98.5	86.0
3000K FTW	60°	9,852	7,097	9,341	96.5	73.5

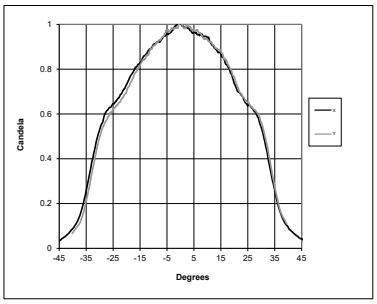
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



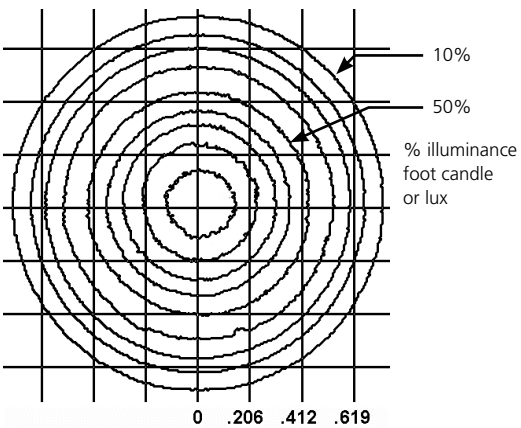
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	102.5ft 31.2m
Field Diameter	16.3ft 5.0m	24.5ft 7.5m	32.6ft 9.9m	40.8ft 12.4m	–
Illuminance (fc)	105	47	26	17	1
Illuminance (lux)	1,130	502	283	181	10.8

For field diameter at any distance, multiply distance by 1.631
For beam diameter at any distance, multiply by 1.171

Candela Plot



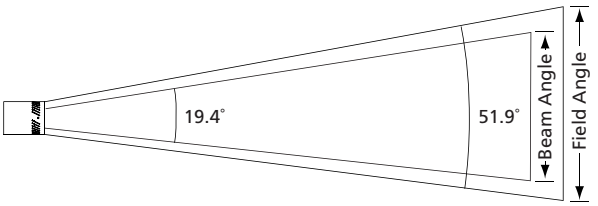
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Four-Cell Pendant/Round/Square 19°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	19°	48,630	4,689	2,040	97.5	48.1
3000K	19°	56,160	5,414	2,356	96.2	56.3
3500K	19°	63,400	6,112	2,660	93.4	65.4
4000K	19°	60,310	5,815	2,560	95.8	60.7
5000K	19°	66,830	6,443	2,804	92.5	69.7
2700K FTW	19°	47,467	5,609	2,472	95.8	58.5
3000K FTW	19°	54,809	5,284	2,299	96.3	54.9

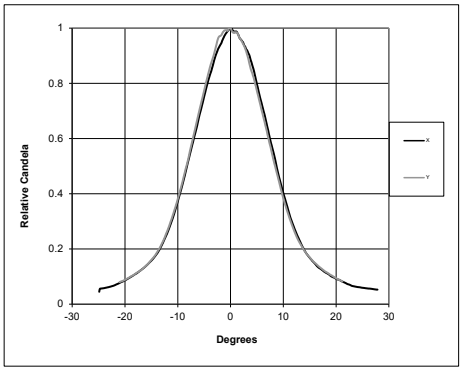
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



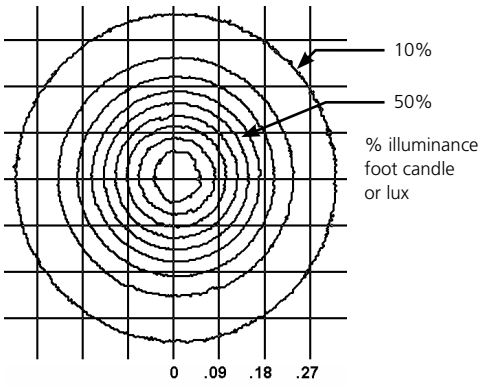
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	237.0ft 72.2m
Field Diameter	6.9ft 2.1m	10.4ft 3.2m	13.9ft 4.2m	17.3ft 5.3m	–
Illuminance (fc)	562	250	140	90	1
Illuminance (lux)	6,045	2,687	1,511	967	10.8

For field diameter at any distance, multiply distance by 0.693
For beam diameter at any distance, multiply by 0.297

Candela Plot



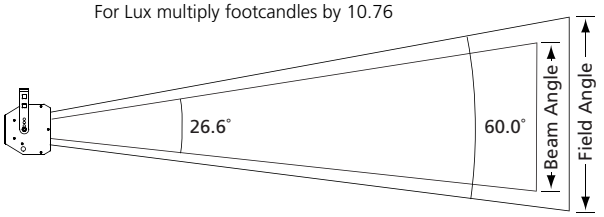
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Four-Cell Pendant/Round/Square 24°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	24°	27,790	5,546	2,742	97.5	56.9
3000K	24°	32,710	6,302	3,116	96.3	65.4
3500K	24°	36,250	6,983	3,453	93.4	74.8
4000K	24°	35,460	6,831	3,378	95.8	71.3
5000K	24°	38,860	7,487	3,702	92.5	80.9
2700K FTW	24°	32,419	6,245	3,088	95.8	65.2
3000K FTW	24°	31,306	6,031	2,982	96.3	62.6

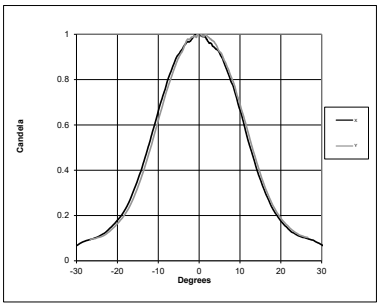
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



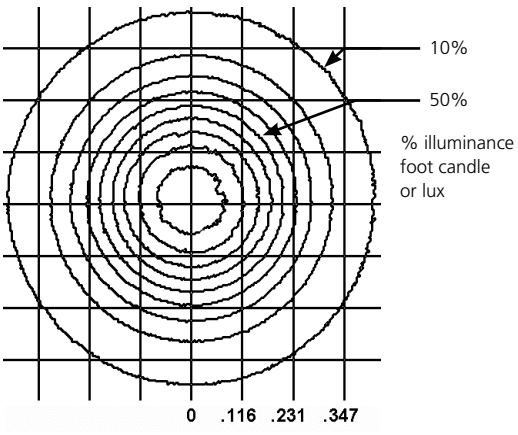
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	180.9ft 55.1m
Field Diameter	9.5ft 2.9m	14.3ft 4.4m	19.1ft 5.8m	23.8ft 7.3m	–
Illuminance (fc)	327	145	82	52	1
Illuminance (lux)	3,521	1,565	880	563	10.8

For field diameter at any distance, multiply distance by 0.954
For beam diameter at any distance, multiply by 0.440

Candela Plot



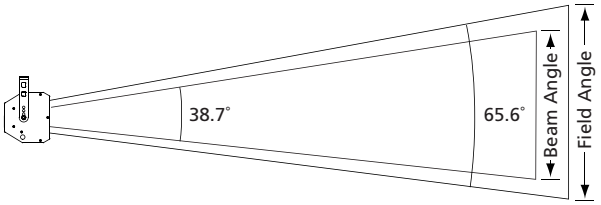
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Four-Cell Pendant/Round/Square 37°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	37°	15,690	6,214	3,176	97.5	63.7
3000K	37°	17,890	7,085	3,622	96.3	73.6
3500K	37°	20,200	7,999	4,089	93.4	85.6
4000K	37°	18,380	7,276	3,720	95.8	75.9
5000K	37°	21,330	8,445	4,317	92.5	91.3
2700K FTW	37°	18,501	7,326	3,745	98.5	74.4
3000K FTW	37°	16,748	6,632	3,390	96.3	68.9

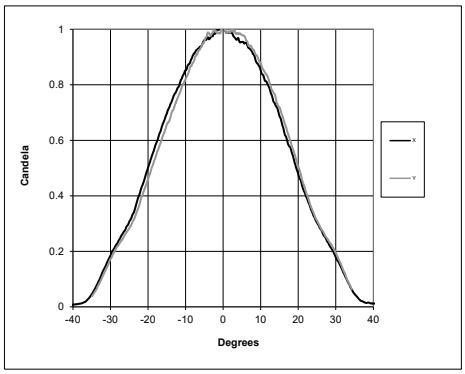
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	133.8ft 40.8m
Field Diameter	12.9ft 3.9m	19.4ft 5.9m	25.8ft 7.9m	32.3ft 9.8m	–
Illuminance (fc)	179	80	45	29	1
Illuminance (lux)	1,926	856	481	308	10.8

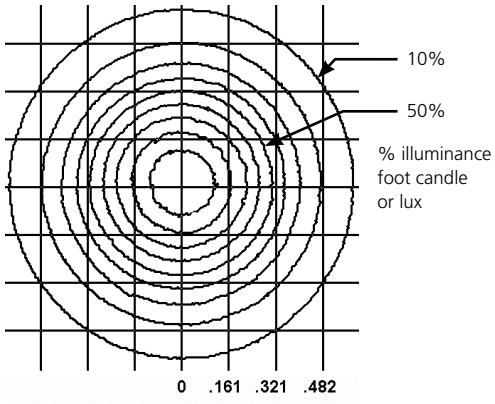
For field diameter at any distance, multiply distance by 1.291
For beam diameter at any distance, multiply by 0.698

Candela Plot



Iso-Illuminance Diagram

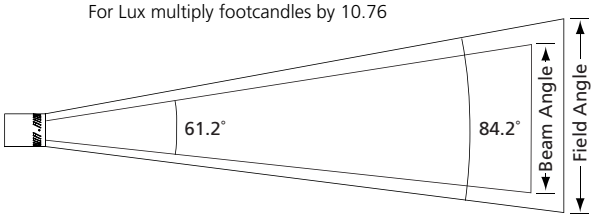
(Flat Surface Distribution)



ArcSystem Pro Four-Cell Pendant/Round/Square 60°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	60°	8,650	6,445	3,584	97.5	66.1
3000K	60°	9,880	7,334	4,115	96.1	76.3
3500K	60°	11,170	8,186	4,541	93.4	87.6
4000K	60°	11,070	8,007	4,324	95.8	83.6
5000K	60°	11,370	8,338	4,728	92.5	90.1
2700K FTW	60°	11,066	8,214	4,609	98.5	83.4
3000K FTW	60°	9,304	6,882	3,795	96.3	71.5

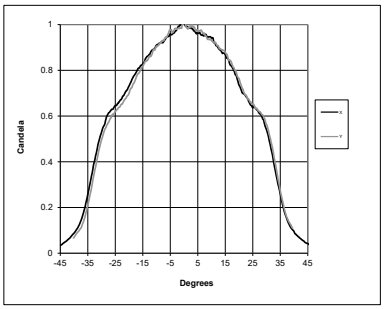
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	99.4ft 30.3m
Field Diameter	16.3ft 5.0m	24.5ft 7.5m	32.6ft 9.9m	40.8ft 12.4m	–
Illuminance (fc)	99	44	25	16	1
Illuminance (lux)	1,063	473	266	170	10.8

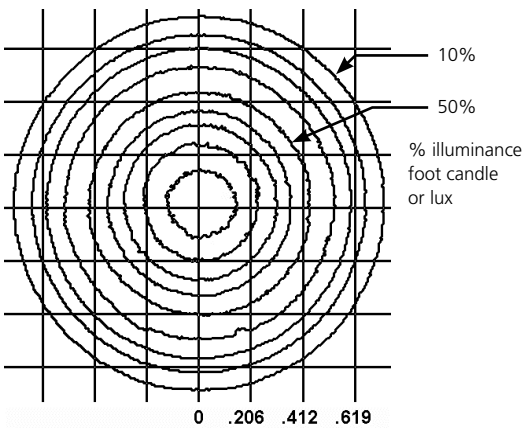
For field diameter at any distance, multiply distance by 1.631
For beam diameter at any distance, multiply by 1.171

Candela Plot



Iso-Illuminance Diagram

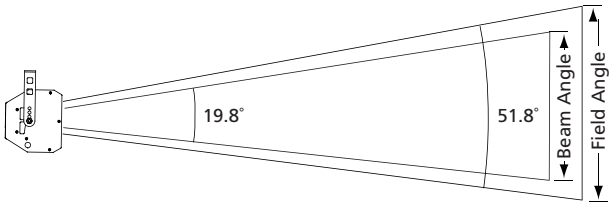
(Flat Surface Distribution)



ArcSystem Pro Eight-Cell 19°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	19°	94,350	9,360	4,036	185	50.6
3000K	19°	108,900	10,800	4,661	188	57.4
3500K	19°	123,000	12,200	5,262	188	64.9
4000K	19°	117,000	11,600	5,006	181	64.1
5000K	19°	129,600	12,860	5,547	189	68.0
2700K FTW	19°	112,900	11,190	4,830	192	58.3
3000K FTW	19°	106,300	10,540	4,550	187	56.4

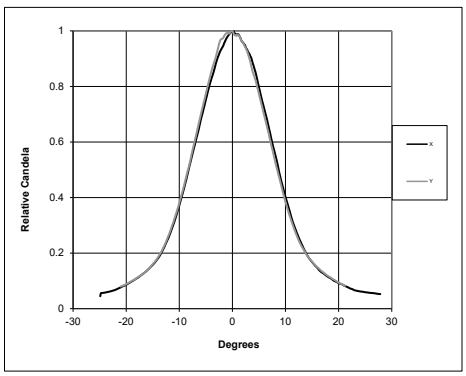
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



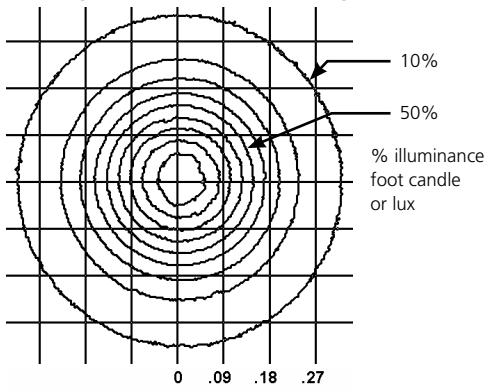
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	330.0ft 100.6m
Field Diameter	6.9ft 2.1m	10.4ft 3.2m	13.9ft 4.2m	17.4ft 5.3m	–
Illuminance (fc)	1,089	484	272	174	1
Illuminance (lux)	11,722	5,210	2,930	1,876	10.8

For field diameter at any distance, multiply distance by 0.695
For beam diameter at any distance, multiply by 0.299

Candela Plot



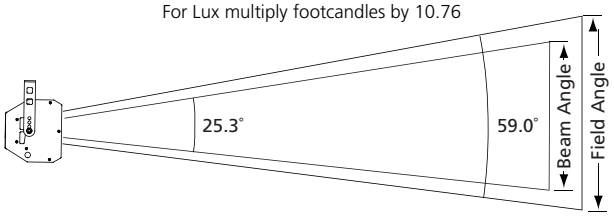
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Eight-Cell 24°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	24°	55,230	10,990	5,412	185	59.4
3000K	24°	62,770	12,490	6,150	188	66.4
3500K	24°	69,540	13,840	6,814	188	73.6
4000K	24°	68,040	13,540	6,667	181	74.8
5000K	24°	74,570	14,840	7,306	189	78.5
2700K FTW	24°	62,200	12,380	6,095	192	64.5
3000K FTW	24°	60,070	11,950	5,890	187	63.9

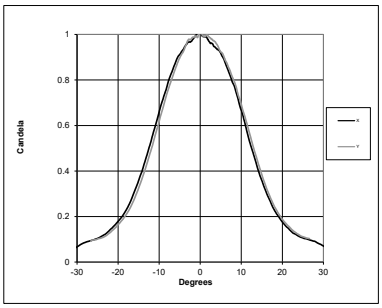
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



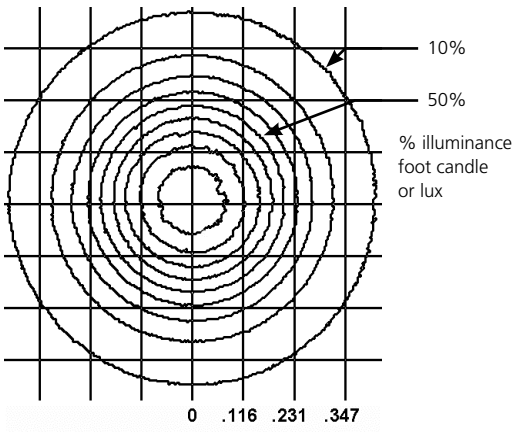
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	250.5ft 76.4m
Field Diameter	9.6ft 2.9m	14.4ft 4.4m	19.2ft 5.8m	24.0ft 7.3m	–
Illuminance (fc)	628	279	157	100	1
Illuminance (lux)	6,757	3,003	1,689	1,081	10.8

For field diameter at any distance, multiply distance by 0.958
For beam diameter at any distance, multiply by 0.442

Candela Plot



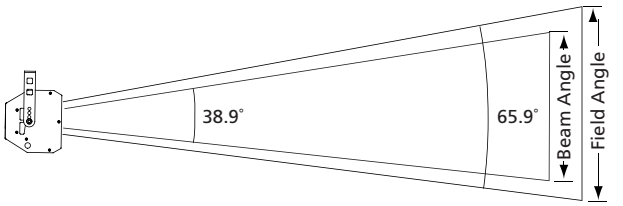
Iso-Illuminance Diagram
(Flat Surface Distribution)



ArcSystem Pro Eight-Cell 37°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	37°	30,940	12,640	6,480	185	68.3
3000K	37°	35,280	14,420	7,390	188	76.7
3500K	37°	39,840	16,280	7,590	188	86.6
4000K	37°	36,240	14,810	7,590	181	81.8
5000K	37°	42,060	17,190	8,810	189	91.0
2700K FTW	37°	36,480	14,910	7,640	192	77.7
3000K FTW	37°	33,030	13,500	6,920	187	72.2

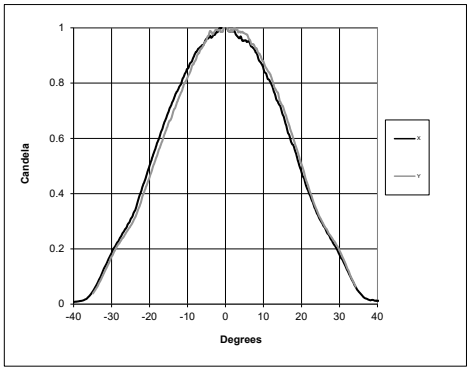
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	187.8ft 57.3m
Field Diameter	12.9ft 3.9m	19.4ft 5.9m	25.9ft 7.9m	32.3ft 9.9m	–
Illuminance (fc)	353	157	88	56	1
Illuminance (lux)	3,798	1,688	949	608	10.8

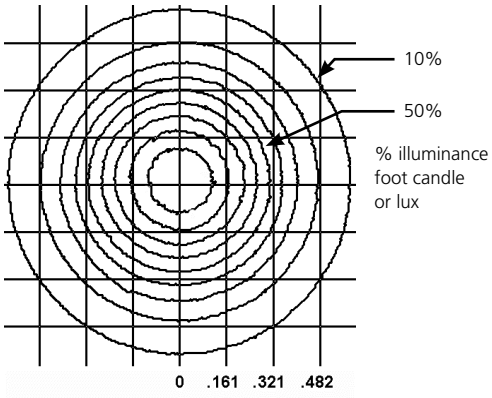
For field diameter at any distance, multiply distance by 1.294
For beam diameter at any distance, multiply by 0.700

Candela Plot



Iso-Illuminance Diagram

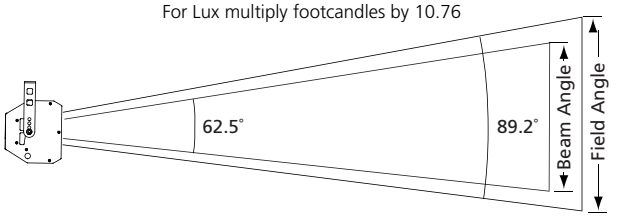
(Flat Surface Distribution)



ArcSystem Pro Eight-Cell 60°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700K	60°	15,800	12,120	7,160	185	65.5
3000K	60°	17,970	13,790	8,140	188	73.4
3500K	60°	19,500	14,910	8,780	181	82.4
4000K	60°	18,960	14,550	8,640	189	77.0
5000K	60°	20,440	15,660	9,150	180	87.0
2700K FTW	60°	20,880	15,440	8,620	192	80.4
3000K FTW	60°	17,570	13,350	7,610	187	71.4

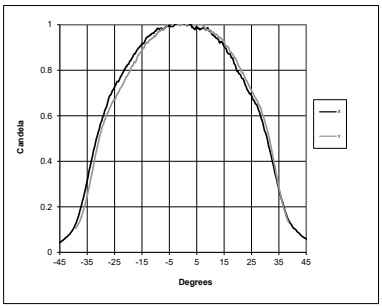
Metric Conversions: For Meters multiply feet by 0.3048
For Lux multiply footcandles by 10.76



Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	134.1ft 40.9m
Field Diameter	16.8ft 5.1m	25.2ft 7.7m	33.6ft 10.2m	42.0ft 12.8m	–
Illuminance (fc)	180	80	45	29	1
Illuminance (lux)	1,934	860	484	309	10.8

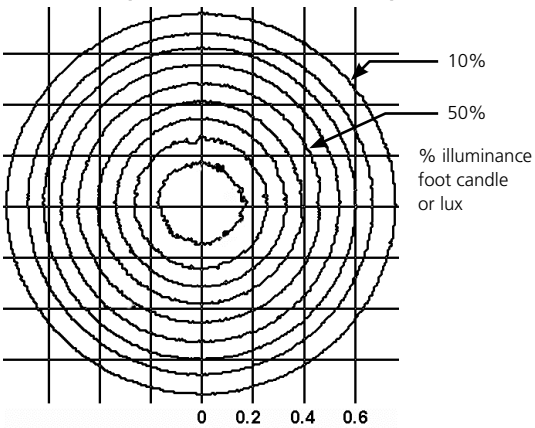
For field diameter at any distance, multiply distance by 1.681
For beam diameter at any distance, multiply by 1.185

Candela Plot



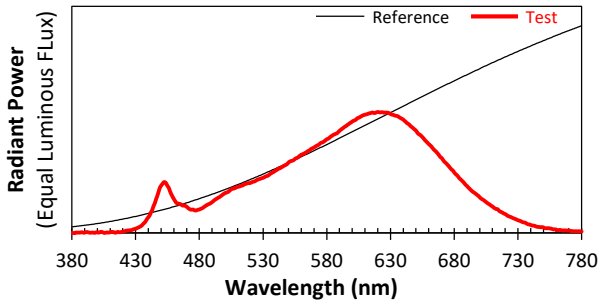
Iso-Illuminance Diagram

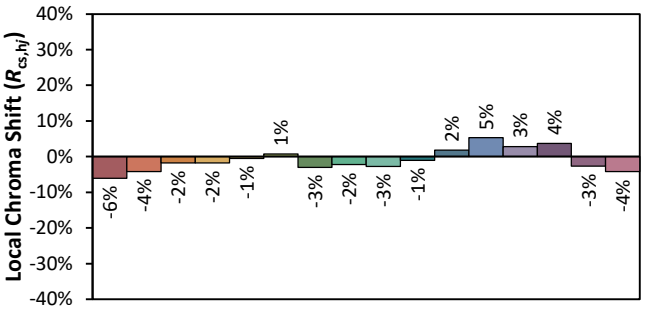
(Flat Surface Distribution)

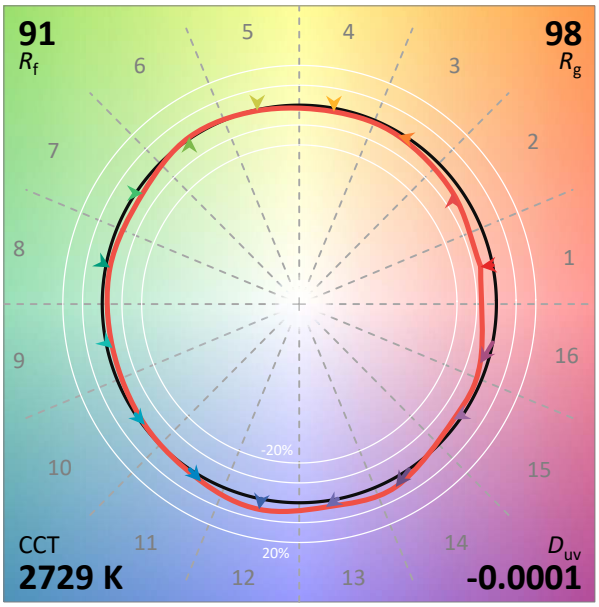


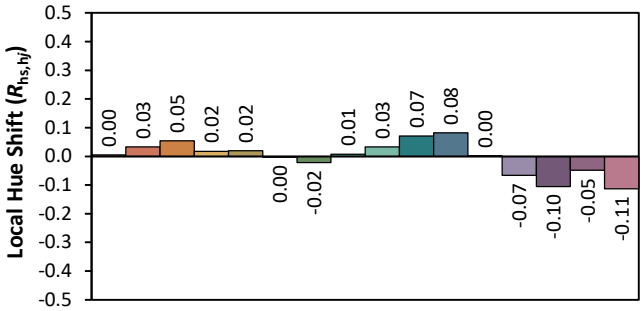
COLOR METRIC INFORMATION

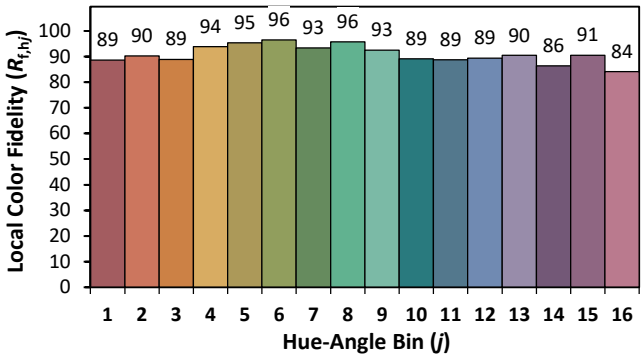
ArcSystem Pro 2700K TM-30-18 Color Info





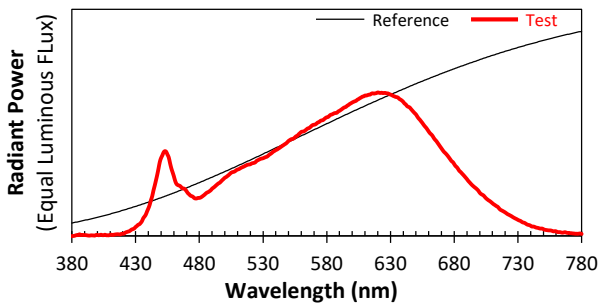


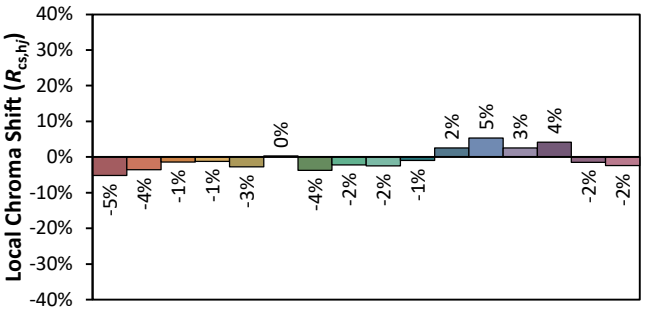


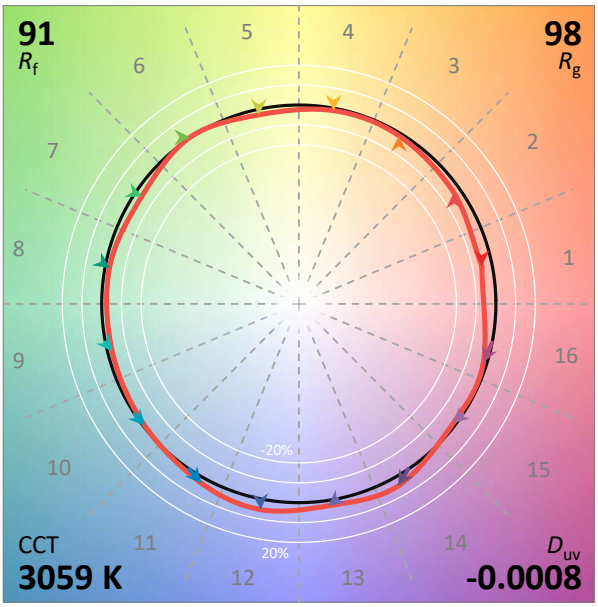


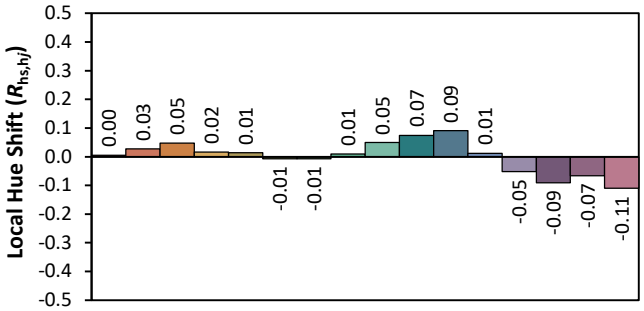
COLOR METRIC INFORMATION

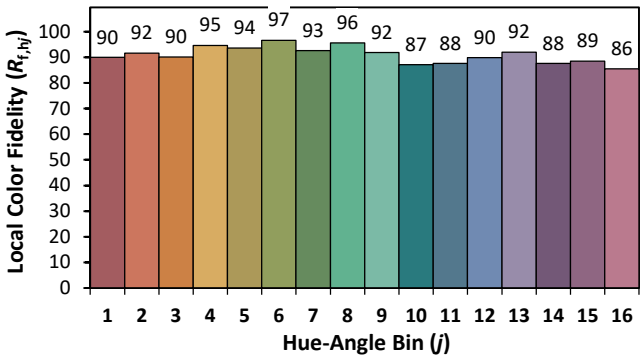
ArcSystem Pro 3000K TM-30-18 Color Info





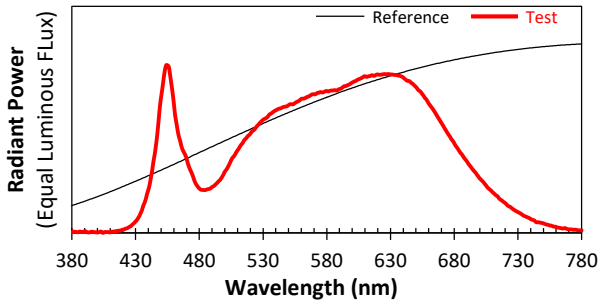


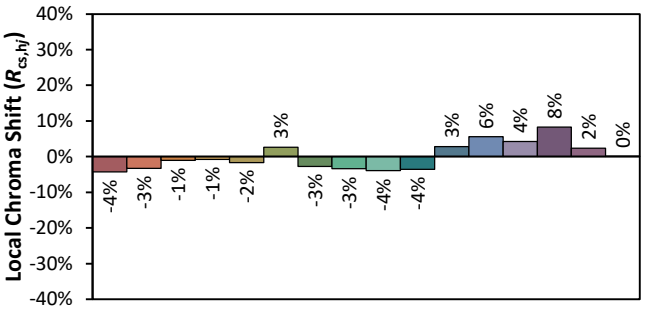


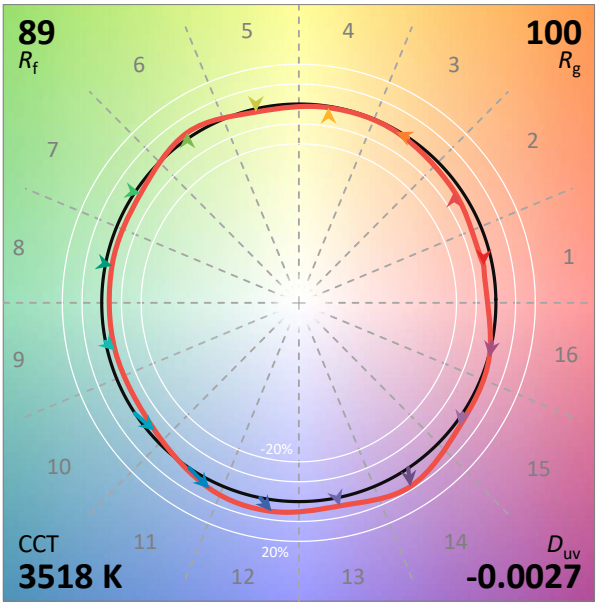


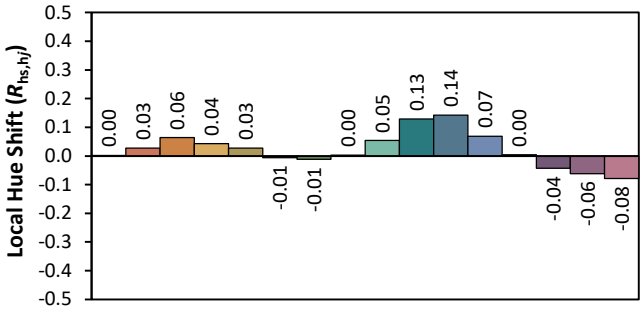
COLOR METRIC INFORMATION

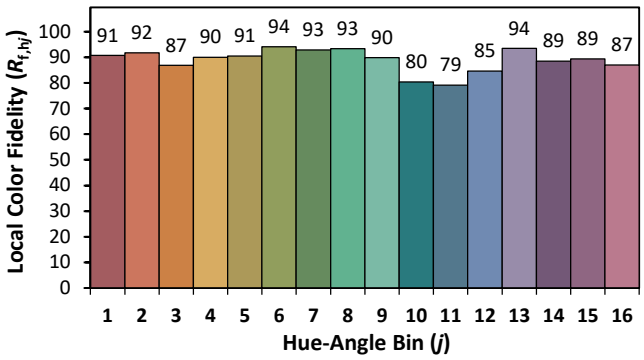
ArcSystem Pro 3500K TM-30-18 Color Info





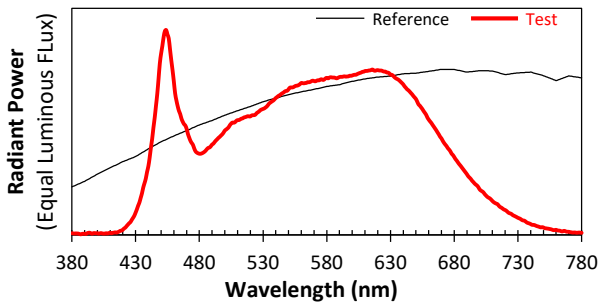


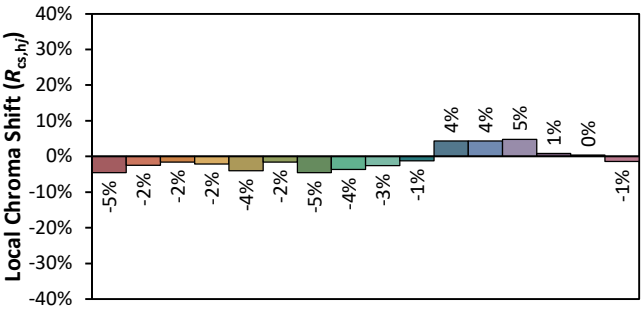


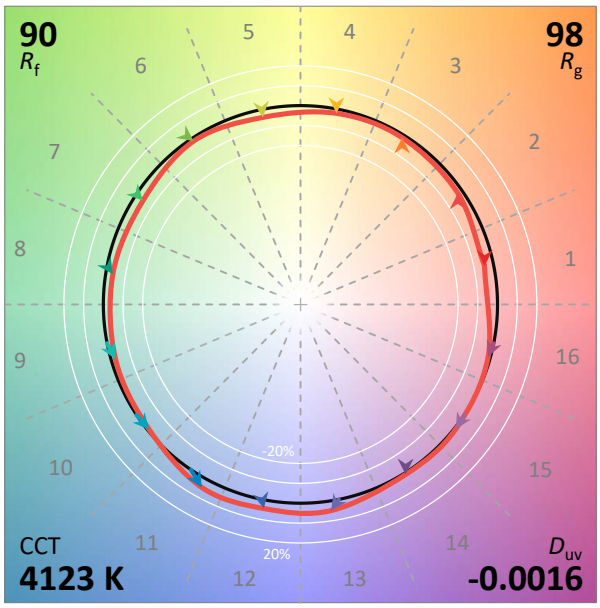


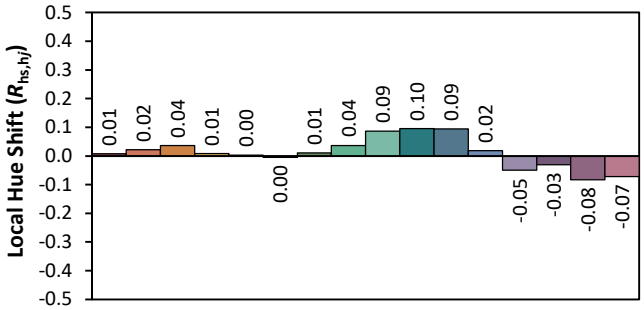
COLOR METRIC INFORMATION

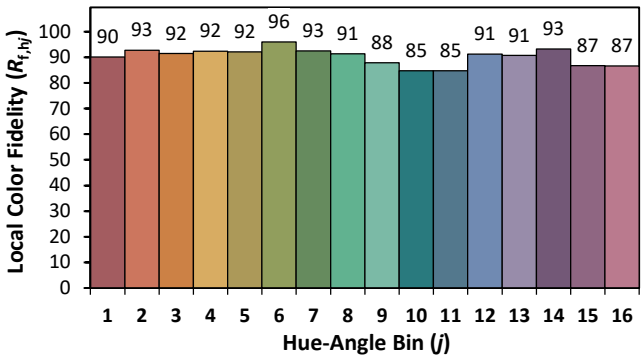
ArcSystem Pro 4000K TM-30-18 Color Info





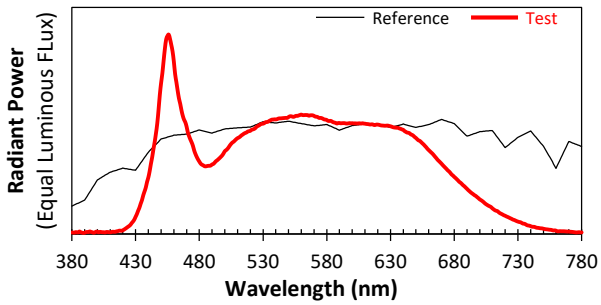


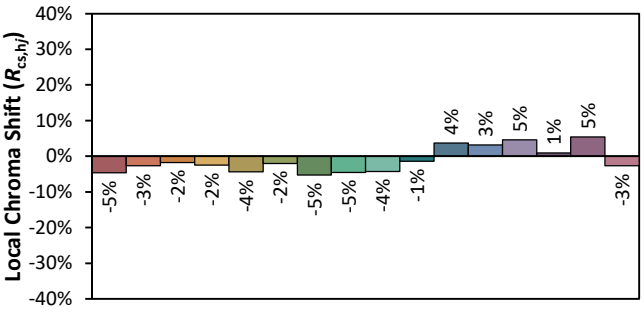


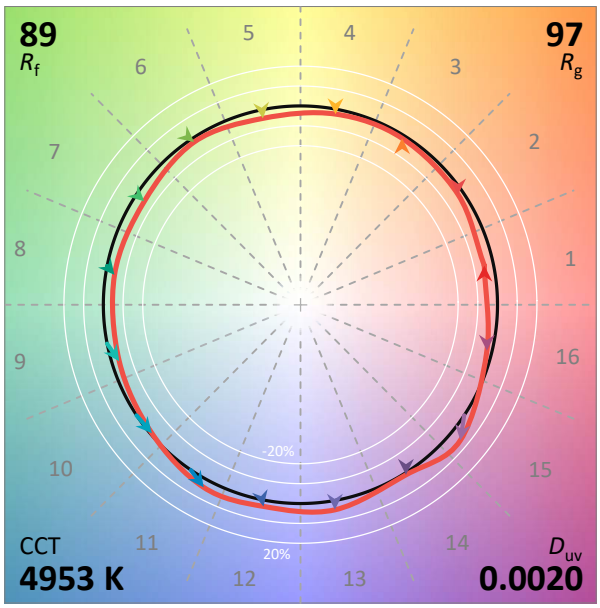


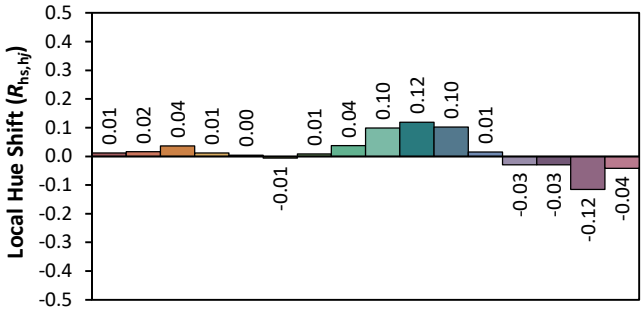
COLOR METRIC INFORMATION

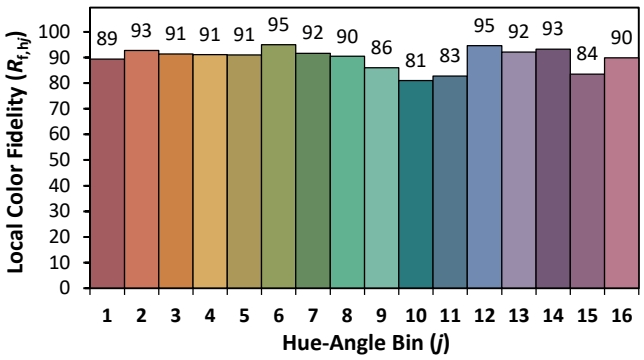
ArcSystem Pro 5000K TM-30-18 Color Info





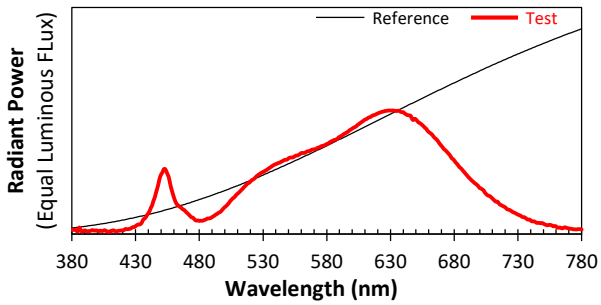


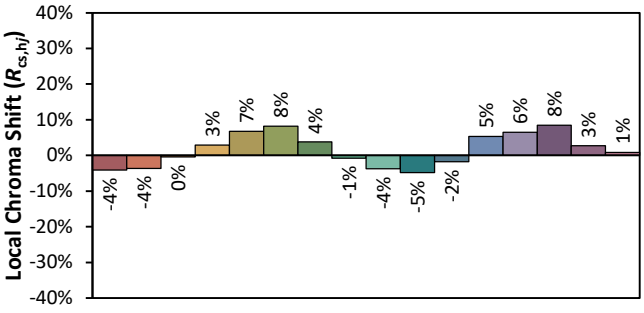


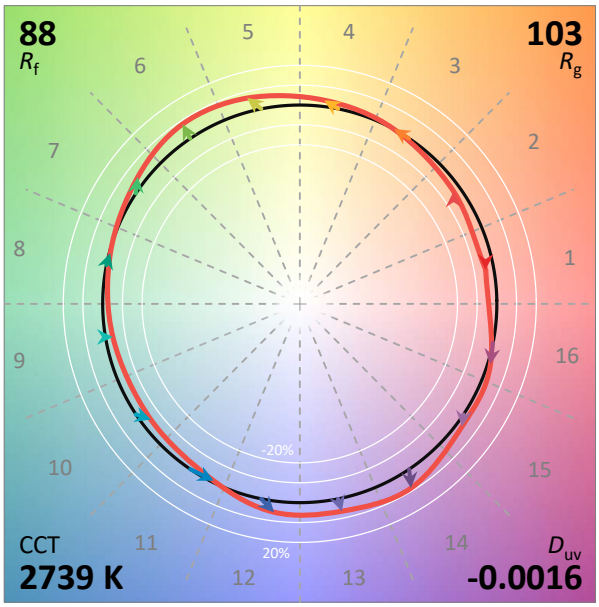


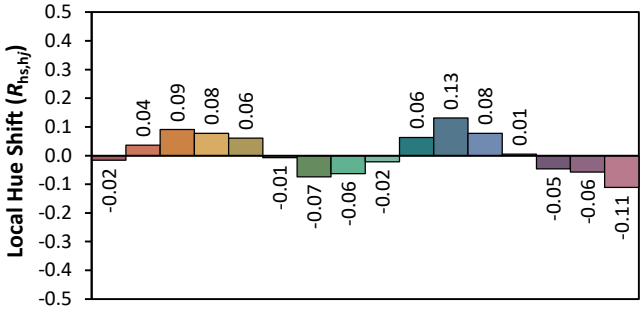
COLOR METRIC INFORMATION

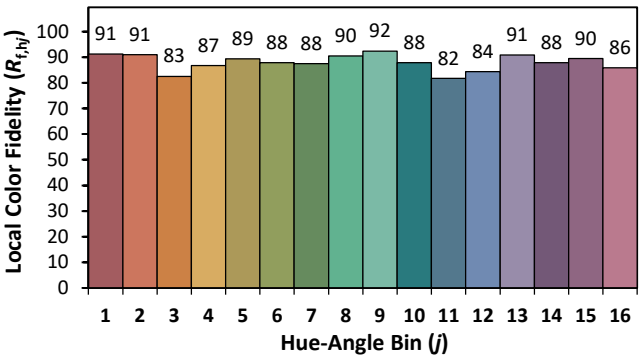
ArcSystem Pro 2700K FTW TM-30-18 Color Info





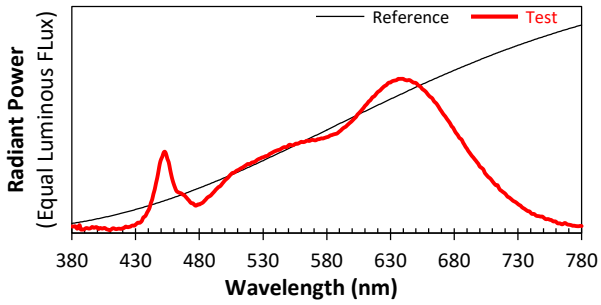


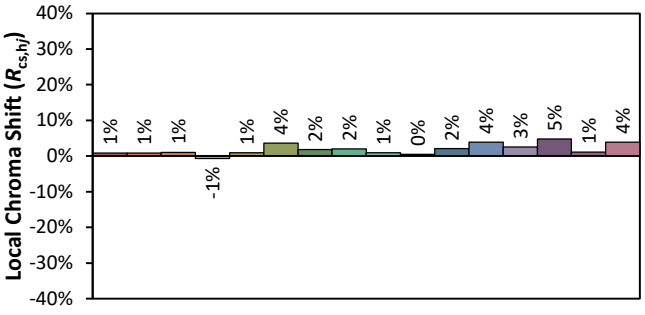


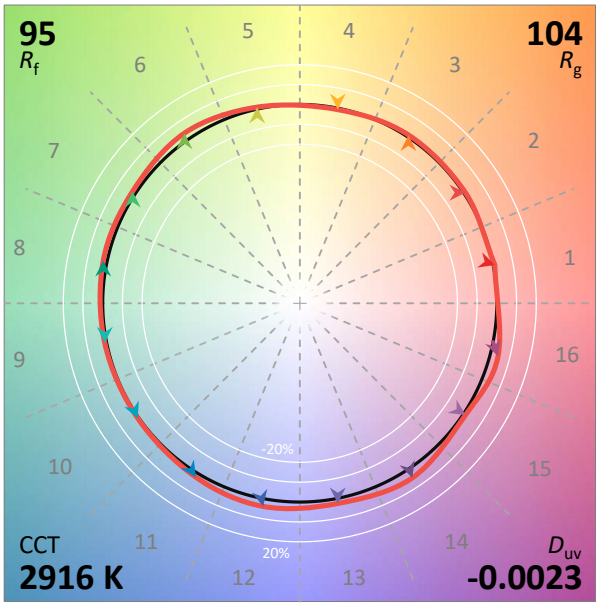


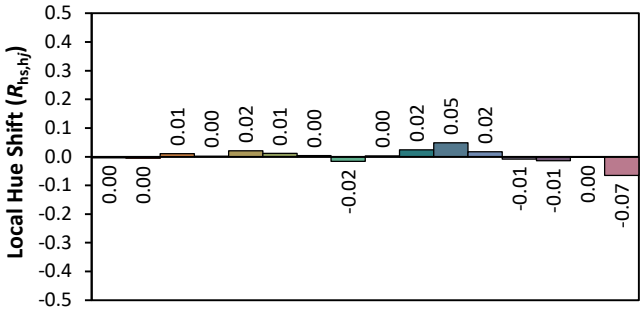
COLOR METRIC INFORMATION

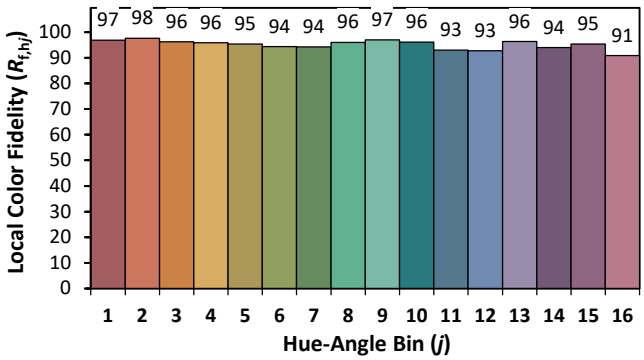
ArcSystem Pro 3000K FTW TM-30-18 Color Info





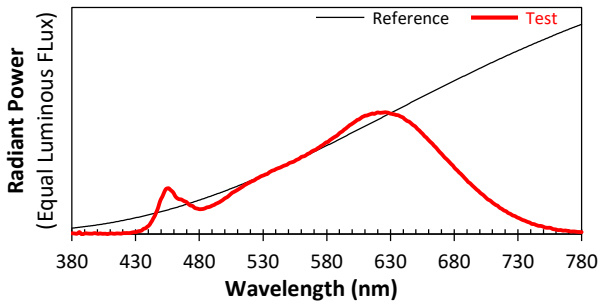


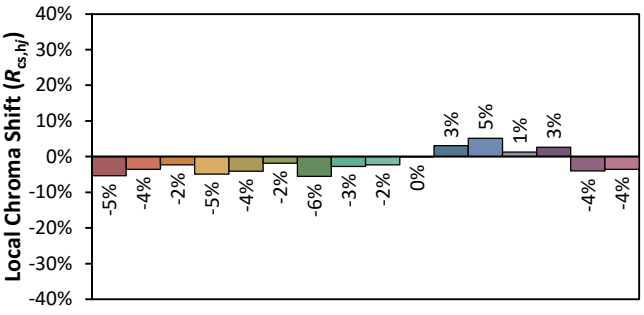


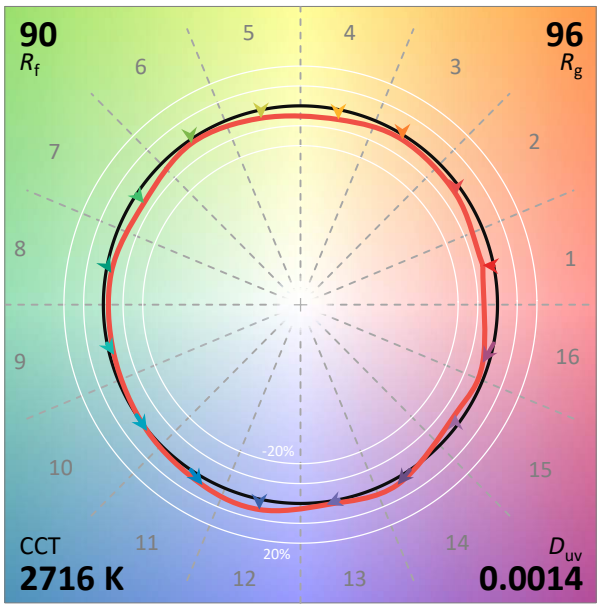


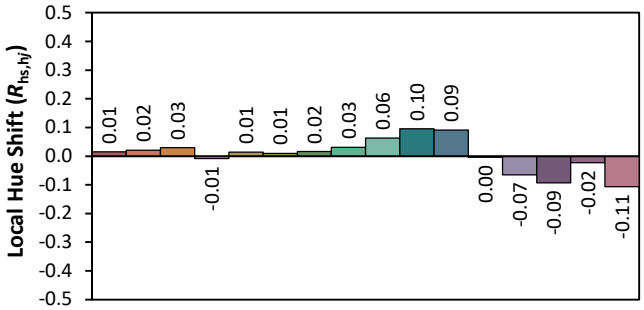
COLOR METRIC INFORMATION

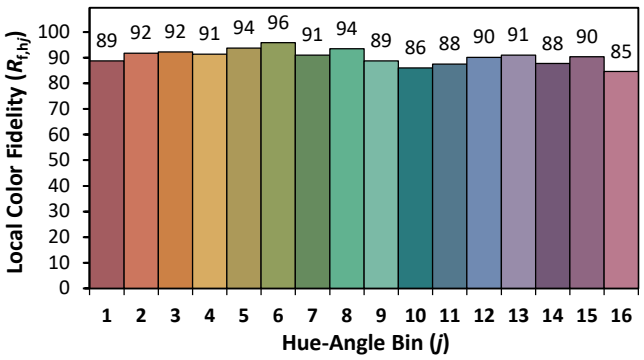
ArcSystem Pro One-Cell High-Output 2700K TM-30-18 Color Info





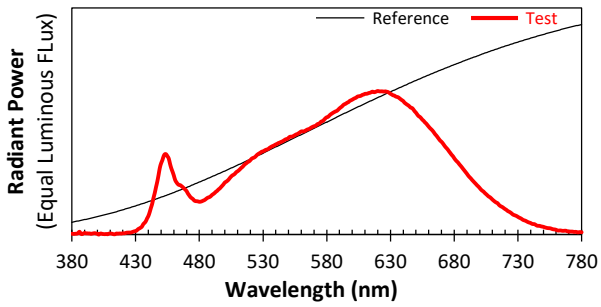


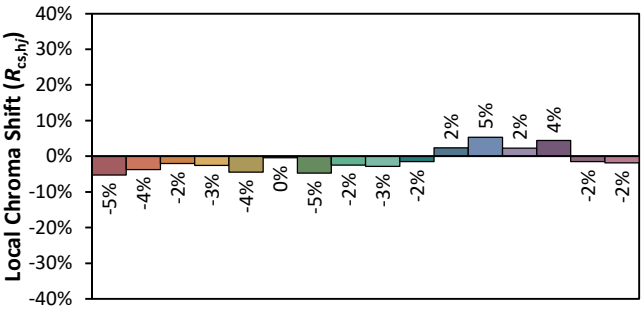


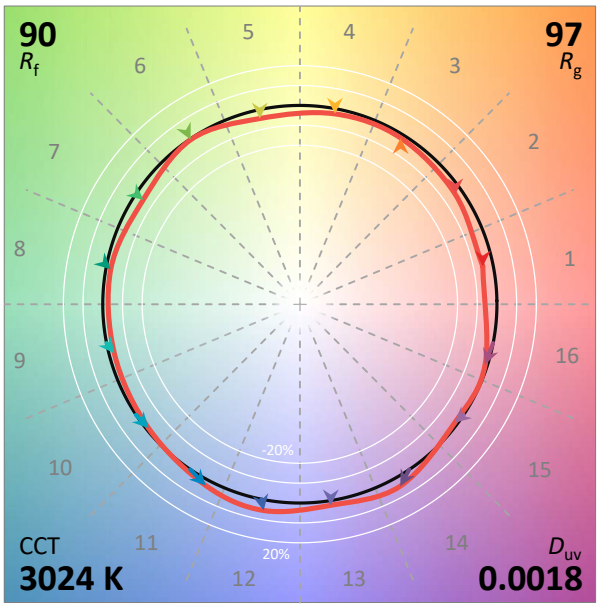


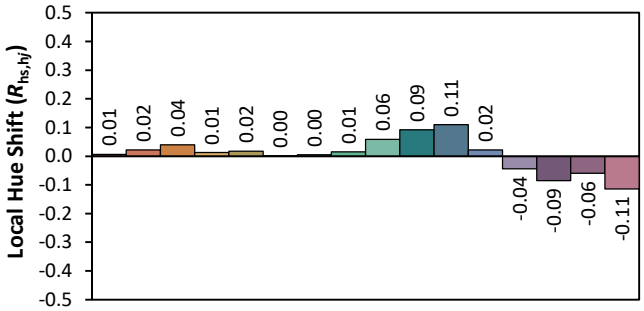
COLOR METRIC INFORMATION

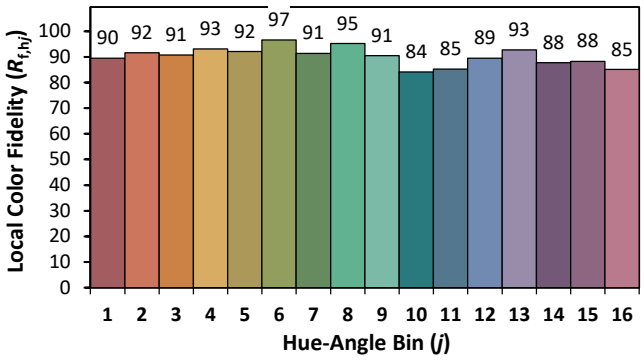
ArcSystem Pro One-Cell High-Output 3000K TM-30-18 Color Info





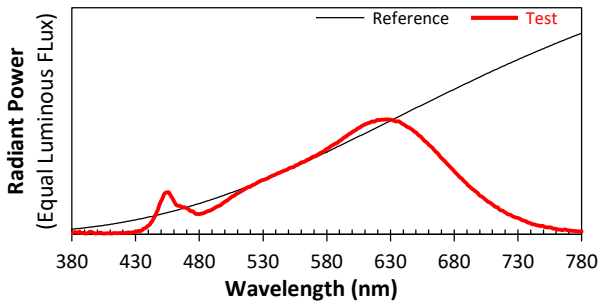


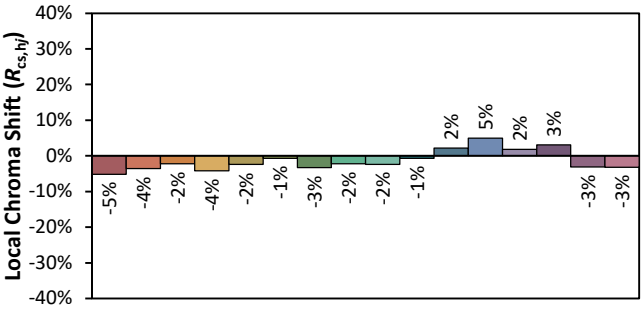


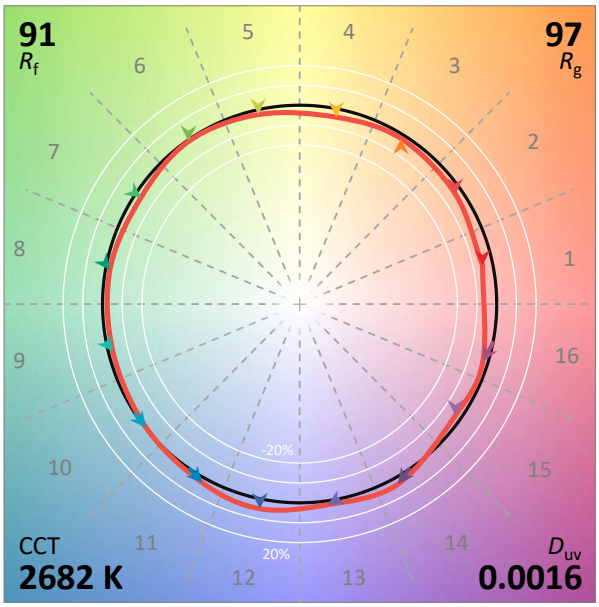


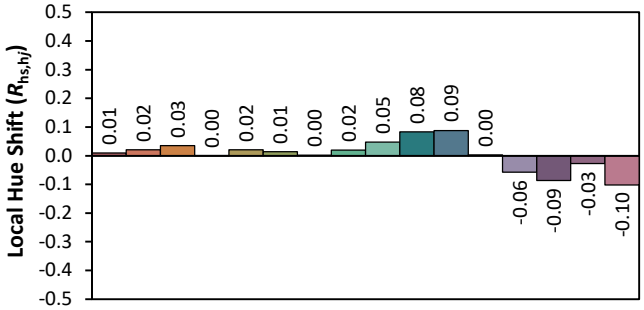
COLOR METRIC INFORMATION

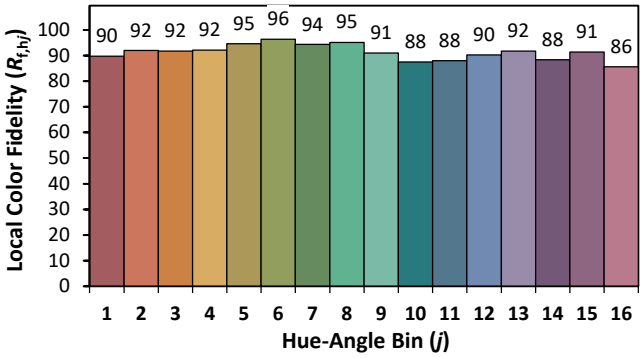
ArcSystem Pro One-Cell Micro 2700K TM-30-18 Color Info





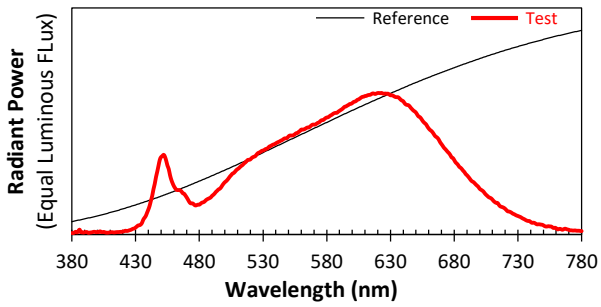


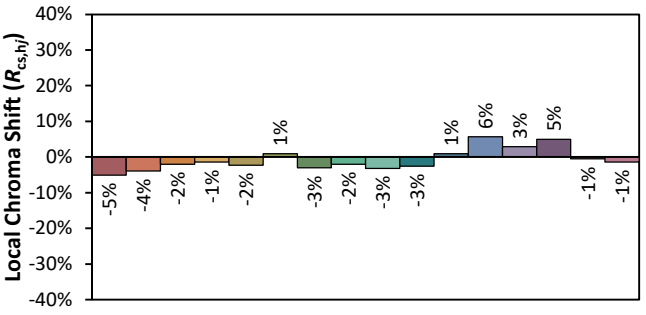


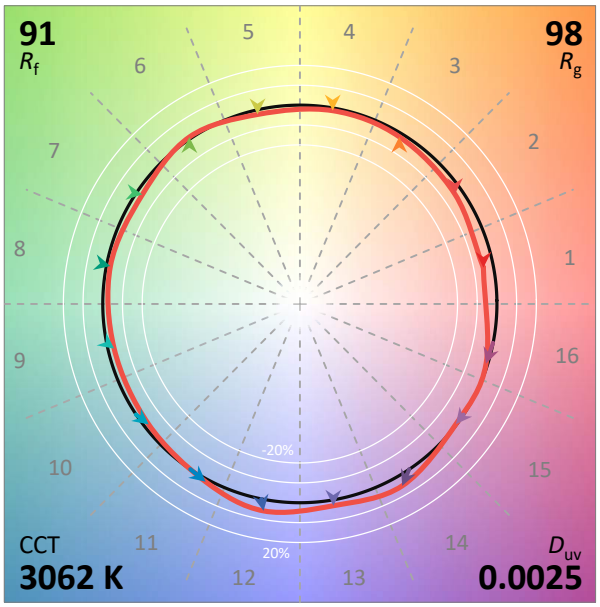


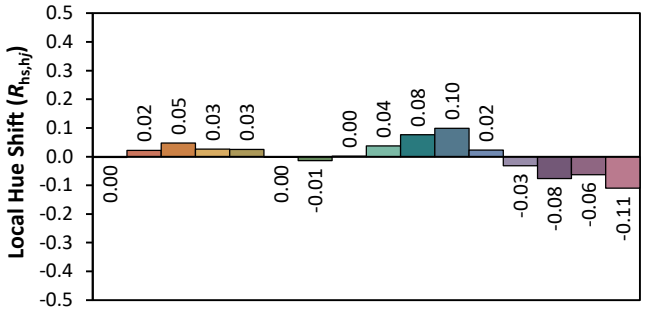
COLOR METRIC INFORMATION

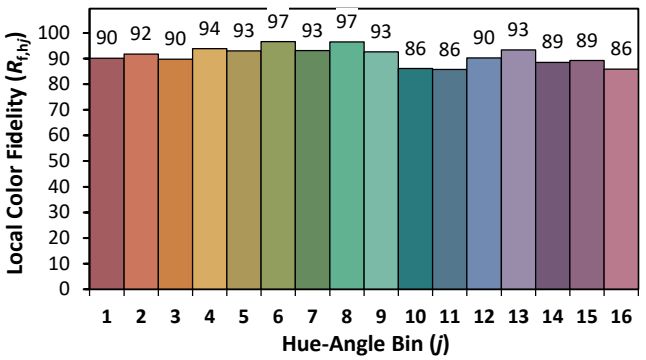
ArcSystem Pro One-Cell Micro 3000K TM-30-18 Color Info





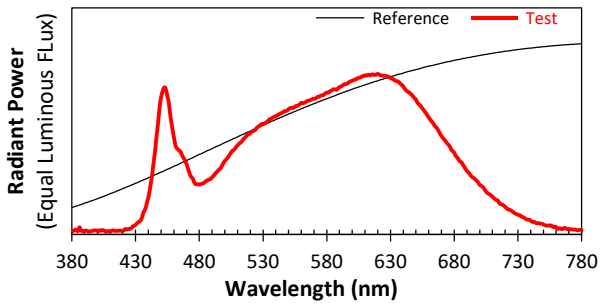


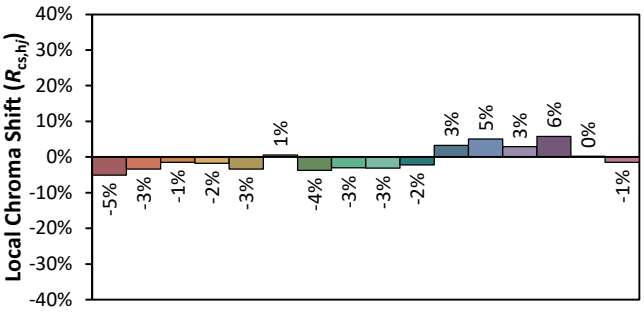


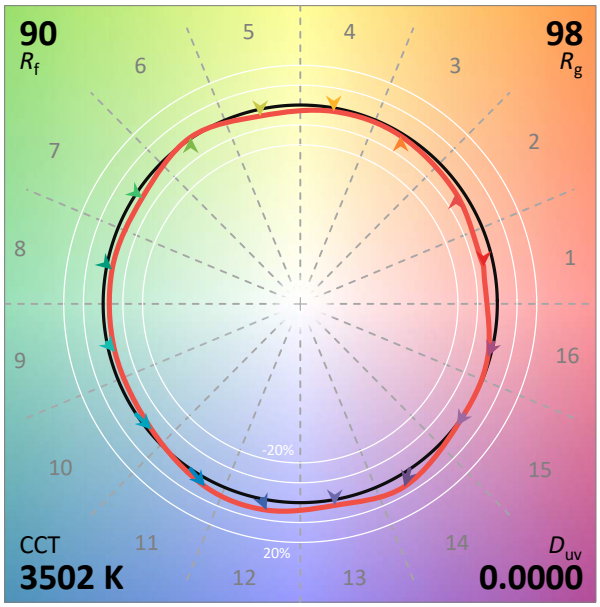


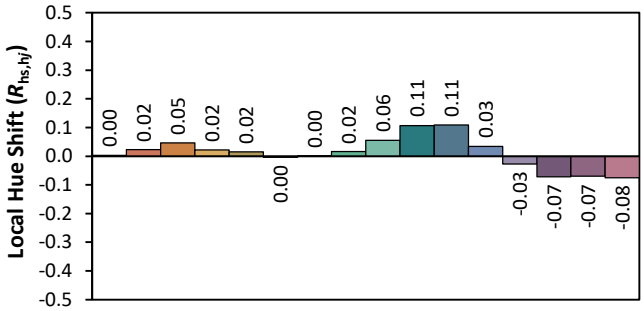
COLOR METRIC INFORMATION

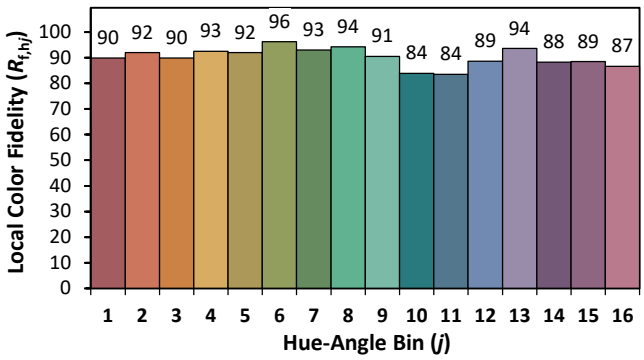
ArcSystem Pro One-Cell Micro 3500K TM-30-18 Color Info





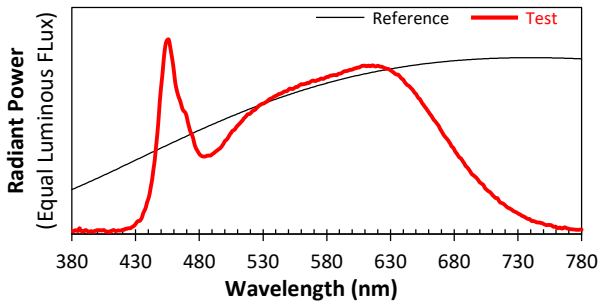


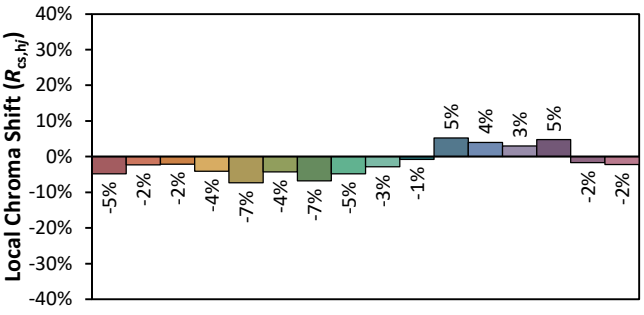


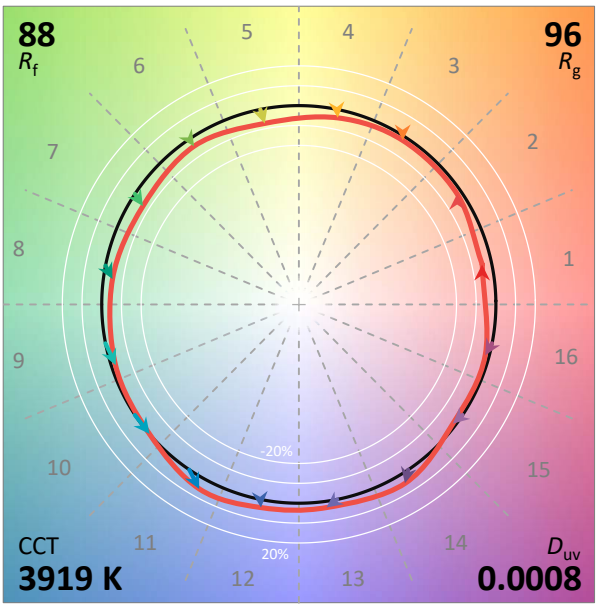


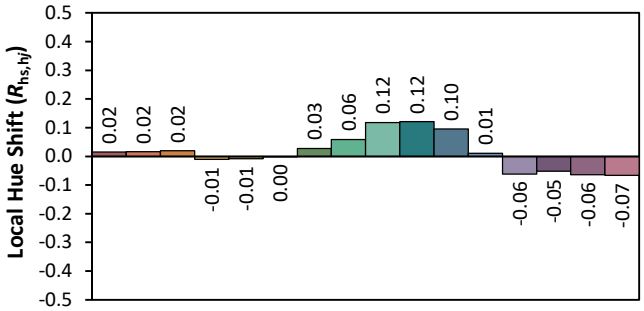
COLOR METRIC INFORMATION

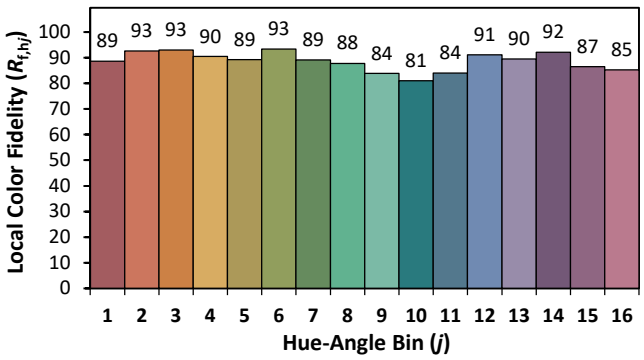
ArcSystem Pro One-Cell Micro 4000K TM-30-18 Color Info











etcconnect.com