Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P821376

Luminaire Tested: **TT-D3-750-24VDC-RW-UPL**

Issue Date: 10/29/2020

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P821376
	REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (G2-2002-677-1) AND
Test Lab:	INNOVATION CENTER
Issue Date:	10/29/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TT-D3-750-24VDC-RW-UPL
Description:	TOPTIER LED PARKING GARAGE LUMINAIRE WITH UPLIGHT
	5000K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5972.7 lumens
Efficiency:	N/A
Efficacy:	129.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.12' x H: 0.1')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U4 - G3

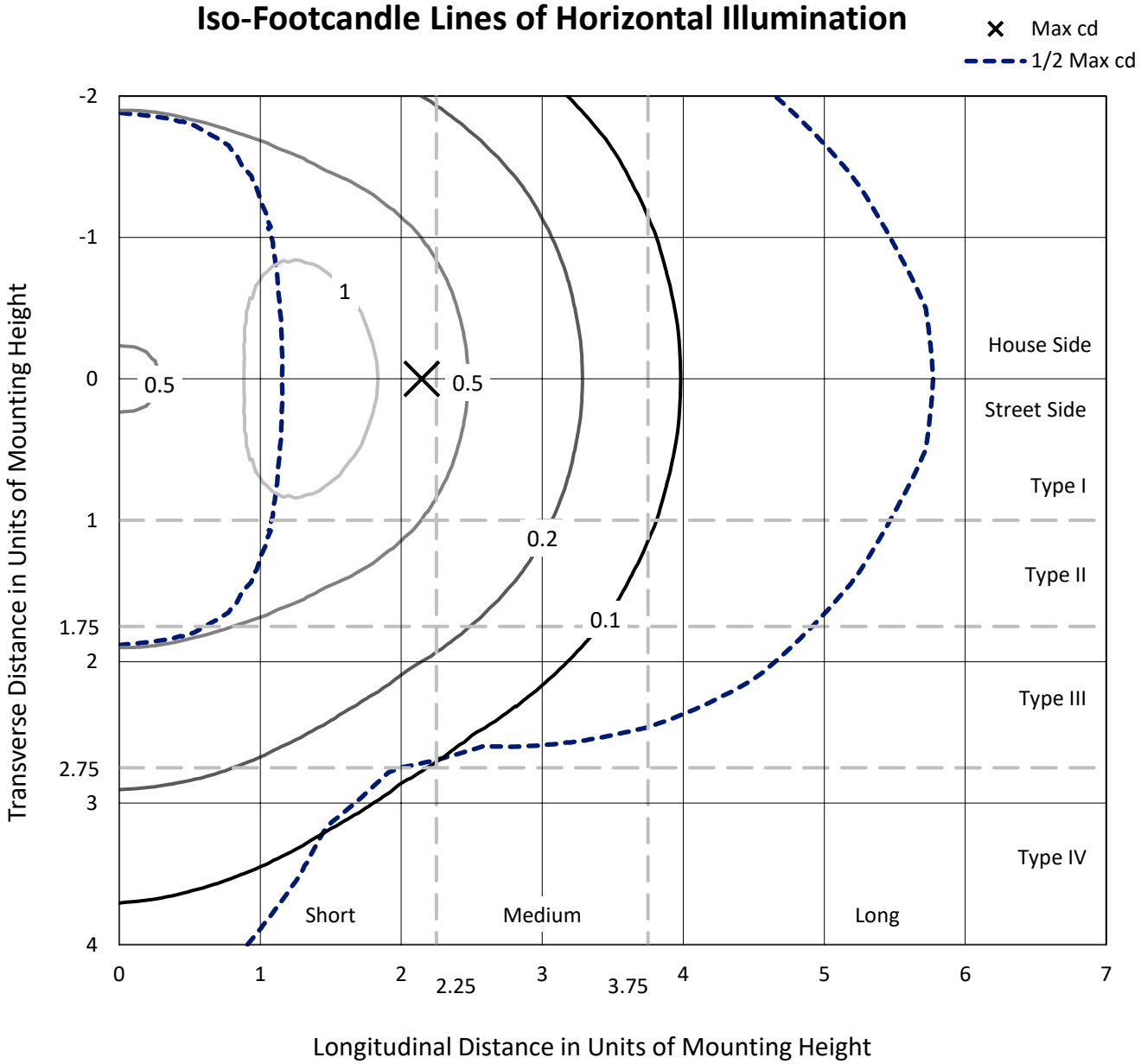
Input Watts (W):	46
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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Scaled Data Report

REPORT NUMBER: P821376
CATALOG NUMBER: TT-D3-750-24VDC-RW-UPL

Iso-Footcandle Lines of Horizontal Illumination



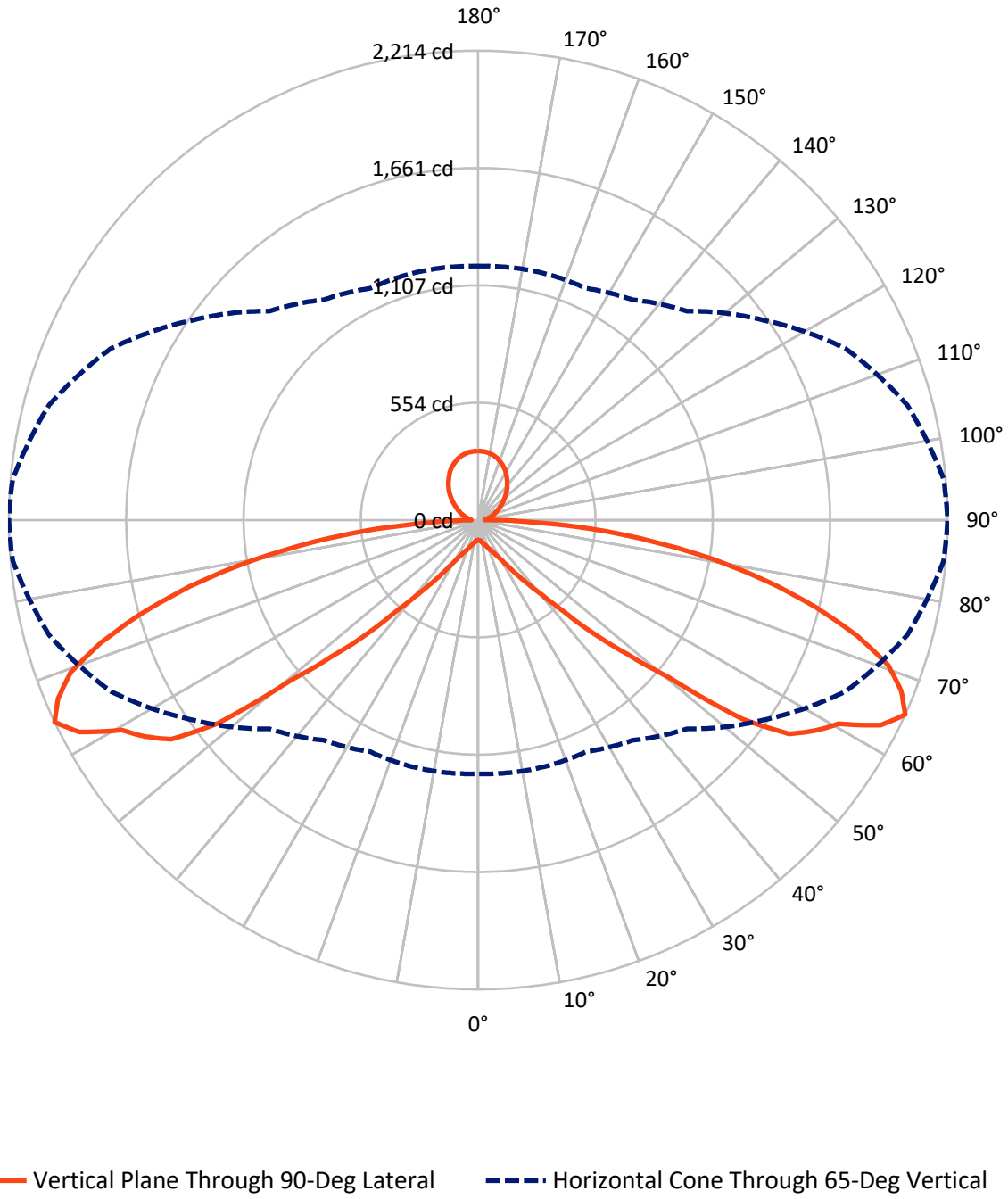
Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Short - N/A

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REPORT NUMBER: P821376
CATALOG NUMBER: TT-D3-750-24VDC-RW-UPL

Luminous Intensity Polar Plot



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Scaled Data Report

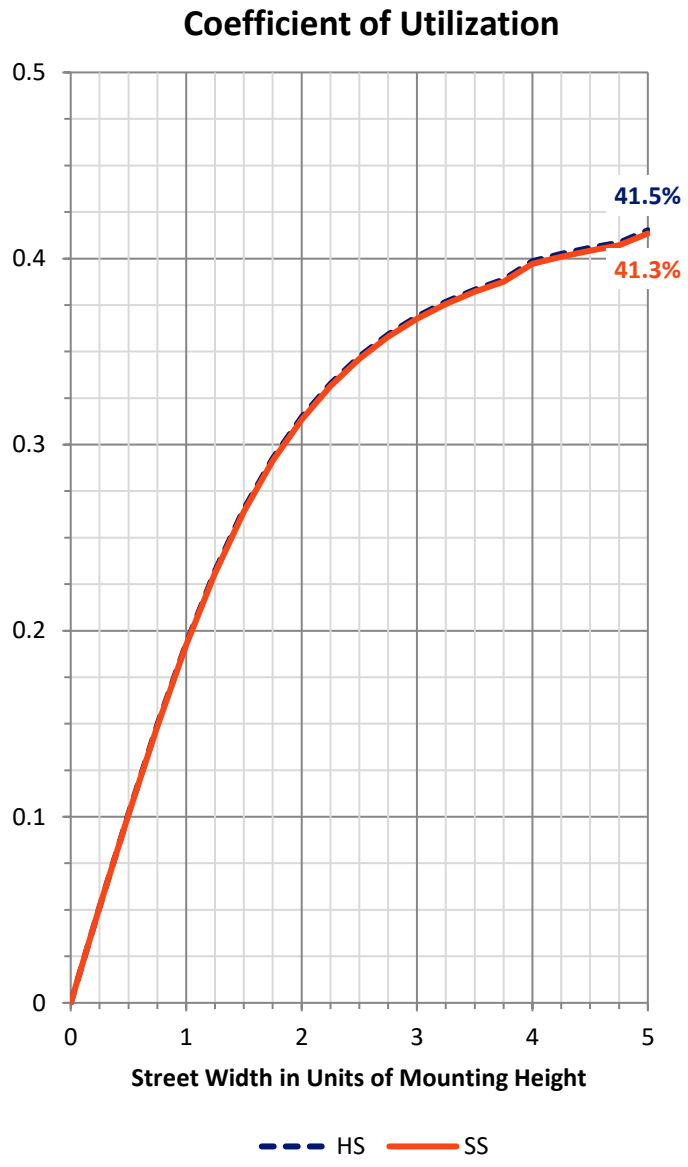
REPORT NUMBER: P821376
CATALOG NUMBER: TT-D3-750-24VDC-RW-UPL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2543.6	442.7	2986.4
	% Fixture	42.6	7.4	50.0
Street Side	Lumens	2543.6	442.7	2986.4
	% Fixture	42.6	7.4	50.0
Total	Lumens	5087.3	885.5	5972.7
	% Fixture	85.2	14.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.2
10°-20°	36.3	0.6
20°-30°	83.8	1.4
30°-40°	189.4	3.2
40°-50°	461.3	7.7
50°-60°	1037.4	17.4
60°-70°	1516.1	25.4
70°-80°	1321.1	22.1
80°-90°	432.2	7.2
90°-100°	45.4	0.8
100°-110°	70.3	1.2
110°-120°	97.7	1.6
120°-130°	126.6	2.1
130°-140°	147.6	2.5
140°-150°	149.5	2.5
150°-160°	129.8	2.2
160°-170°	87.7	1.5
170°-180°	30.8	0.5
0°-90°	5087.3	85.2
0°-180°	5972.7	100.0



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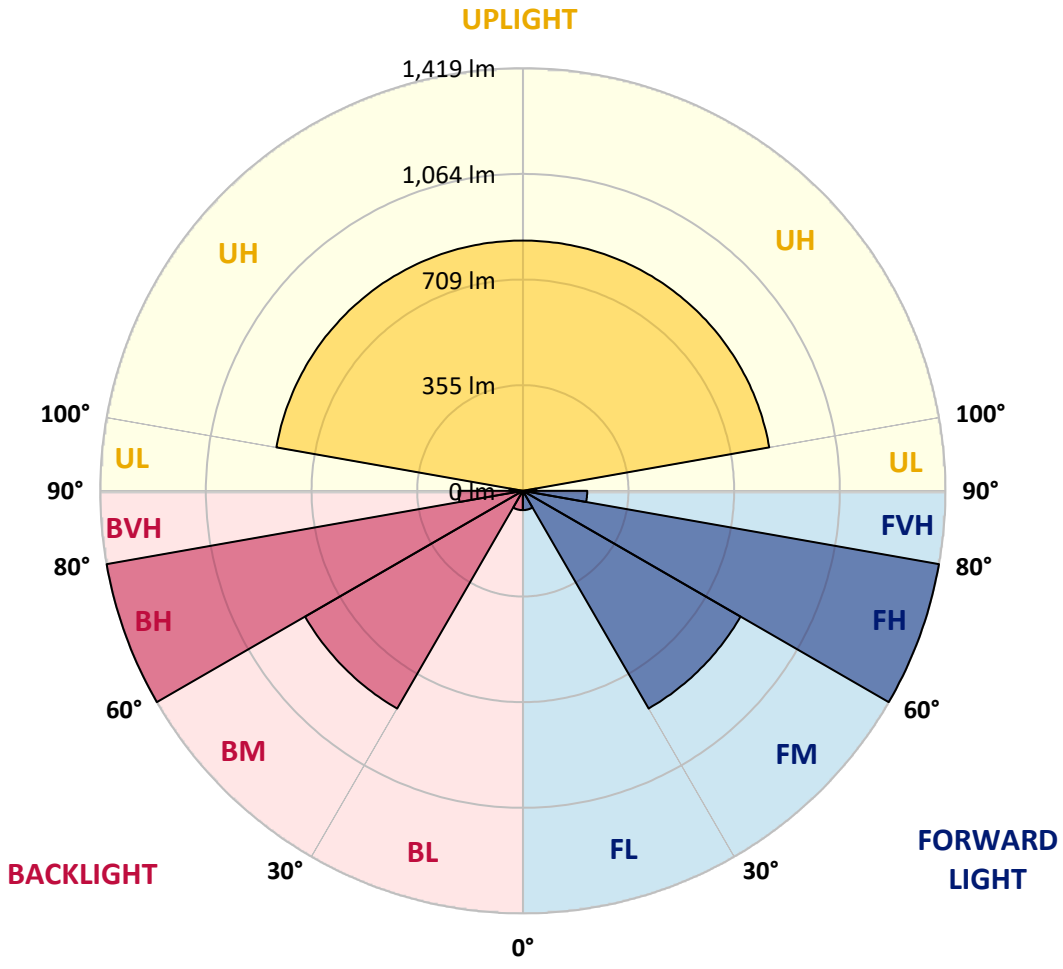
Scaled Data Report

REPORT NUMBER: P821376
CATALOG NUMBER: TT-D3-750-24VDC-RW-UPL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	64.9	1.1			
FM	(30°-60°)	844.1	14.1			
FH	(60°-80°)	1418.6	23.8			G1/1800
FVH	(80°-90°)	216.1	3.6			G2/225
BL	(0°-30°)	64.9	1.1	B0/110		
BM	(30°-60°)	844.1	14.1	B1/1000		
BH	(60°-80°)	1418.6	23.8	B3/2500		G3/2500
BVH	(80°-90°)	216.1	3.6			G2/225
UL	(90°-100°)	45.4	0.8		U2/50	
UH	(100°-180°)	840.1	14.1		U4/1000	

BUG Rating: B3-U4-G3
Type IV Short



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Scaled Data Report

REPORT NUMBER: P821376
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	*92.9*
2.5°	94.1	94.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	*95.3*
5°	97.7	97.7	97.7	97.7	98.9	98.9	97.7	97.7	97.7	97.7	*97.7*
7.5°	103.7	102.5	103.7	103.7	103.7	102.5	102.5	102.5	101.3	101.3	*101.3*
10°	109.8	109.8	111.0	109.8	109.8	108.5	108.5	108.5	107.3	107.3	*107.3*
12.5°	118.2	118.2	118.2	118.2	117.0	117.0	115.8	114.6	113.4	113.4	*113.4*
15°	129.0	127.8	127.8	126.6	125.4	124.2	123.0	123.0	121.8	121.8	*121.8*
17.5°	139.9	139.9	138.7	137.5	135.1	133.9	133.9	132.7	131.5	131.5	*131.5*
20°	153.2	153.2	152.0	149.6	147.1	145.9	144.7	144.7	143.5	143.5	*143.5*
22.5°	168.8	167.6	165.2	162.8	160.4	159.2	158.0	156.8	156.8	156.8	*156.8*
25°	185.7	184.5	183.3	179.7	176.1	174.9	172.5	172.5	171.3	172.5	*172.5*
27.5°	206.2	205.0	202.6	199.0	194.2	191.8	190.6	190.6	191.8	191.8	*193.0*
30°	231.6	229.2	226.7	221.9	217.1	213.5	213.5	214.7	218.3	220.7	*220.7*
32.5°	261.7	260.5	256.9	252.1	243.6	241.2	243.6	250.9	255.7	259.3	*261.7*
35°	296.7	295.5	290.7	282.2	276.2	275.0	282.2	294.3	310.0	314.8	*317.2*
37.5°	335.3	336.5	330.5	320.8	314.8	317.2	331.7	354.6	370.3	381.1	*383.5*
40°	383.5	385.9	378.7	367.9	361.8	371.5	394.4	420.9	448.7	461.9	*465.5*
42.5°	440.2	443.8	434.2	423.3	419.7	435.4	468.0	511.4	560.8	576.5	*582.5*
45°	510.2	512.6	500.5	490.9	488.5	516.2	571.7	644.0	722.4	758.6	*764.6*
47.5°	593.4	592.2	581.3	569.3	571.7	611.5	694.7	792.4	875.6	931.1	*943.1*
50°	688.7	682.6	674.2	659.7	675.4	733.3	838.2	956.4	1096.3	1145.8	*1167.5*
52.5°	783.9	773.1	765.9	756.2	783.9	858.7	1005.9	1212.1	1423.2	1536.5	*1559.4*
55°	869.6	861.1	857.5	858.7	902.1	1009.5	1202.4	1466.6	1670.4	1764.5	*1781.4*
57.5°	954.0	949.2	945.6	952.8	1021.5	1161.4	1378.5	1625.8	1793.4	1863.4	*1875.4*
60°	1033.6	1038.4	1036.0	1057.7	1140.9	1282.0	1470.2	1713.8	1875.4	1939.4	*1952.6*
62.5°	1121.6	1125.3	1125.3	1149.4	1216.9	1341.1	1532.9	1817.5	2022.6	2116.6	*2131.1*
65°	*1197.6*	*1200.0*	*1204.9*	*1206.1*	*1268.8*	*1393.0*	*1643.9*	*1912.8*	*2096.1*	*2204.7*	*2214.3*
67.5°	1254.3	1256.7	1250.7	1244.7	1292.9	1405.1	1635.4	1900.8	2063.6	2145.6	*2152.8*
70°	1300.1	1289.3	1272.4	1242.2	1257.9	1342.4	1565.5	1804.3	1968.3	2041.9	*2052.7*
72.5°	1306.2	1296.5	1243.5	1175.9	1156.6	1230.2	1442.5	1657.1	1798.2	1868.2	*1869.4*
75°	1270.0	1244.7	1156.6	1055.3	1019.1	1089.1	1271.2	1466.6	1579.9	1639.0	*1645.1*
77.5°	1148.2	1124.1	1013.1	897.3	856.3	916.6	1071.0	1229.0	1337.5	1395.4	*1399.0*
80°	932.3	923.8	822.5	716.4	667.0	701.9	837.0	961.2	1049.3	1118.0	*1124.1*
82.5°	687.5	680.2	603.0	510.2	470.4	499.3	595.8	687.5	769.5	824.9	*828.6*
85°	429.4	414.9	366.6	301.5	275.0	294.3	358.2	419.7	493.3	536.7	*539.1*
87.5°	143.5	137.5	118.2	97.7	82.0	85.6	104.9	127.8	186.9	206.2	*218.3*
90°	32.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	*31.0*
92.5°	37.0	37.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	*36.0*
95°	42.0	42.0	42.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	*41.0*
97.5°	48.0	48.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	*47.0*
100°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	*53.0*
102.5°	60.0	59.0	60.0	60.0	59.0	59.0	59.0	60.0	60.0	60.0	*59.0*
105°	66.0	66.0	66.0	66.0	66.0	66.0	66.0	67.0	66.0	66.0	*66.0*
107.5°	73.0	73.0	73.0	74.0	74.0	74.0	74.0	74.0	73.0	74.0	*73.0*
110°	80.0	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	*81.0*

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REPORT NUMBER: P821376
CATALOG NUMBER: TT-D3-750-24VDC-RW-UPL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	89.0	89.0	89.0	89.0	89.0	90.0	90.0	90.0	90.0	90.0	*89.0*
115°	97.0	97.0	98.0	98.0	98.0	98.0	99.0	99.0	98.0	98.0	*98.0*
117.5°	107.0	107.0	107.0	107.0	107.0	108.0	108.0	108.0	108.0	108.0	*107.0*
120°	117.0	117.0	117.0	118.0	118.0	118.0	119.0	119.0	118.0	118.0	*118.0*
122.5°	129.0	128.0	129.0	129.0	129.0	129.0	130.0	130.0	130.0	130.0	*129.0*
125°	140.0	140.0	141.0	141.0	141.0	141.0	142.0	142.0	142.0	142.0	*141.0*
127.5°	153.0	153.0	153.0	153.0	153.0	154.0	154.0	154.0	154.0	154.0	*154.0*
130°	165.0	165.0	166.0	166.0	166.0	166.0	167.0	167.0	167.0	167.0	*166.0*
132.5°	179.0	178.0	179.0	178.0	178.0	179.0	179.0	180.0	179.0	180.0	*179.0*
135°	191.0	191.0	191.0	191.0	191.0	192.0	192.0	192.0	192.0	192.0	*192.0*
137.5°	204.0	203.0	204.0	203.0	203.0	204.0	204.0	204.0	204.0	204.0	*204.0*
140°	216.0	215.0	216.0	215.0	216.0	216.0	216.0	216.0	216.0	216.0	*216.0*
142.5°	228.0	227.0	228.0	227.0	227.0	228.0	228.0	228.0	228.0	228.0	*228.0*
145°	239.0	239.0	239.0	238.0	239.0	239.0	239.0	239.0	239.0	239.0	*239.0*
147.5°	250.0	249.0	250.0	249.0	249.0	250.0	250.0	250.0	250.0	250.0	*250.0*
150°	263.0	262.0	263.0	262.0	263.0	263.0	263.0	263.0	263.0	263.0	*263.0*
152.5°	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	*273.0*
155°	282.0	282.0	283.0	282.0	282.0	282.0	283.0	282.0	282.0	282.0	*282.0*
157.5°	290.0	290.0	290.0	290.0	290.0	290.0	291.0	291.0	290.0	291.0	*290.0*
160°	298.0	298.0	299.0	298.0	298.0	298.0	299.0	298.0	298.0	298.0	*298.0*
162.5°	306.0	305.0	306.0	305.0	306.0	306.0	306.0	306.0	306.0	306.0	*306.0*
165°	311.0	311.0	312.0	311.0	311.0	311.0	312.0	311.0	311.0	311.0	*311.0*
167.5°	316.0	315.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	*316.0*
170°	319.0	319.0	320.0	319.0	319.0	319.0	320.0	319.0	319.0	319.0	*319.0*
172.5°	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	323.0	*323.0*
175°	324.0	324.0	325.0	324.0	325.0	324.0	325.0	324.0	324.0	324.0	*324.0*
177.5°	325.0	325.0	326.0	325.0	325.0	325.0	325.0	325.0	325.0	325.0	*325.0*
180°	326.0	326.0	326.0	326.0	326.0	326.0	326.0	326.0	326.0	326.0	*326.0*

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Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-176-6

Test Date: 09/26/2024

Luminaire Tested: MEM2-HTN-VA-30-750-U-WQ

Data in this report applies to families of products including MEM2-HTN-VA-30-750-U-WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

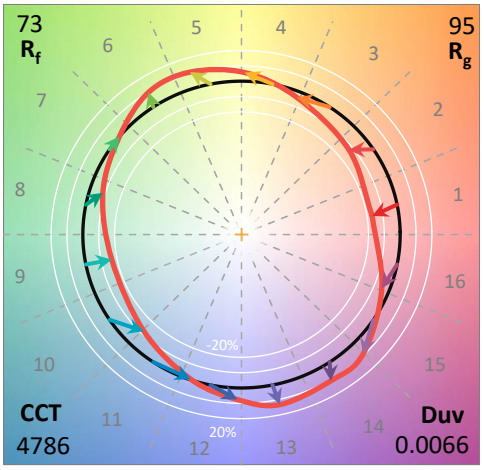
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-6
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	09/27/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-VA-30-750-U-WQ**
Description:	EPIC MODERN VISUAL COMFORT 30W WAVESTREAM WIDE

Spectral Parameters

CCT (K):	4786
CIE u':	0.2093
CIE v':	0.4953
Duv:	0.0066
CIE x:	0.3533
CIE y:	0.3716
CIE z:	0.2751
Peak Wavelength (nm):	449
Dominant Wavelength (nm):	570
Purity:	17.53512
Rf:	73
Rg:	94.6

CRI (Ra):	70.9				
R1:	67.8	R9:	-29.8		
R2:	75.1	R10:	40.9		
R3:	80.6	R11:	67.4		
R4:	71.6	R12:	35.3		
R5:	67.8	R13:	68.5		
R6:	65.4	R14:	89.0		
R7:	82.0	R15:	60.9		
R8:	57.0				



Test Conditions

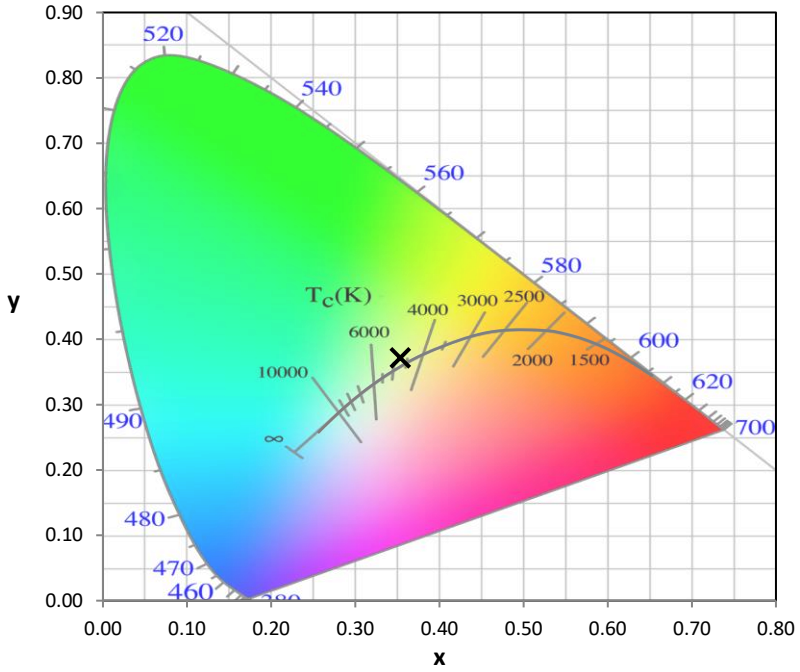
Stabilization Time:	45M
Operation Time:	1H 45M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-6

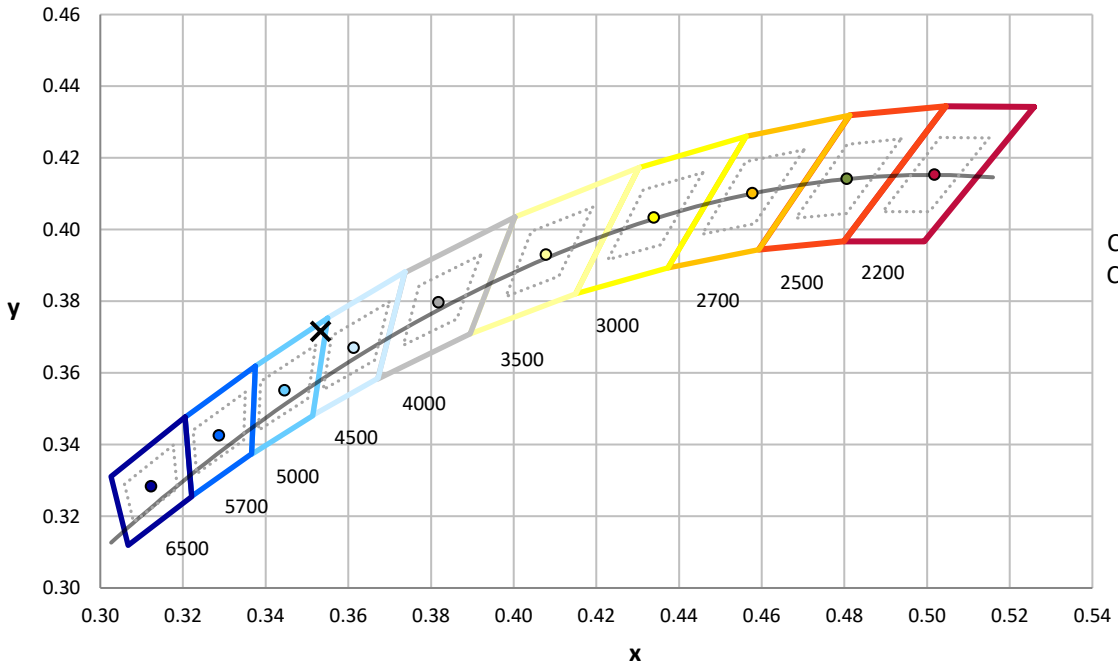
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-176-6

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

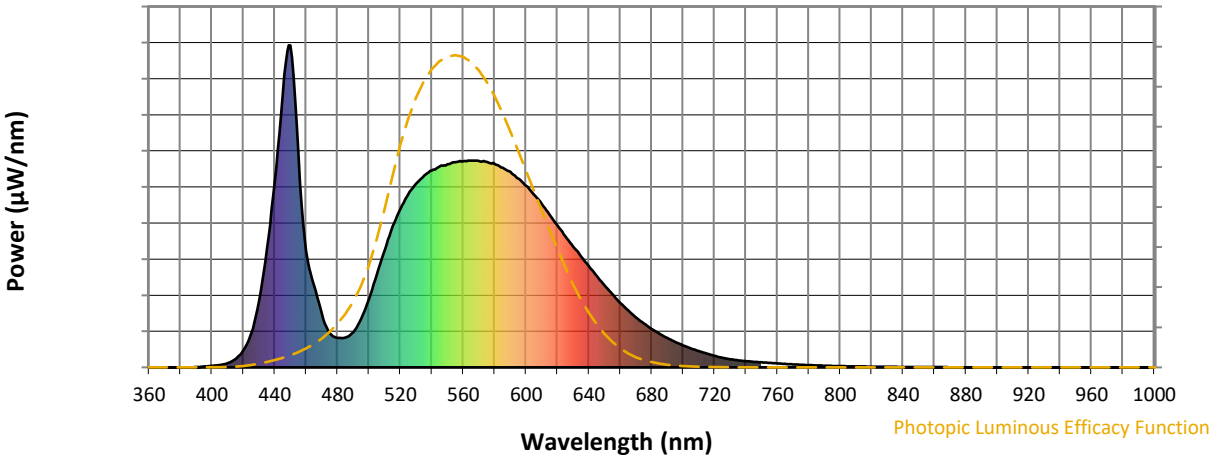


CCT = 4786K
CIE x = 0.3533
CIE y = 0.3716
Duv = 0.0066

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-176-6

Photopic Flux vs. Wavelength

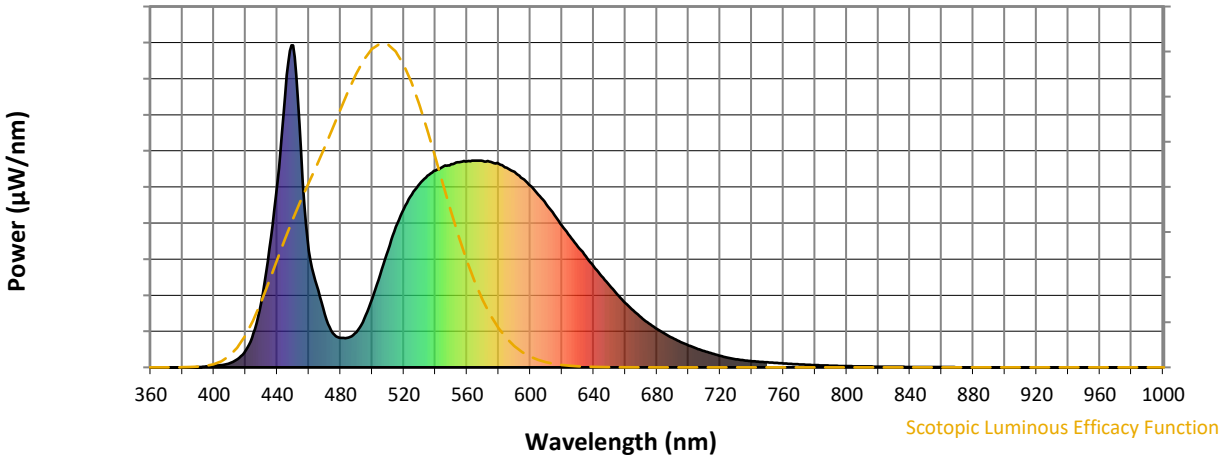


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	110	NR	620	440	NR	750	16	NR	880	0	NR
365	0	NR	495	150	NR	625	407	NR	755	14	NR	885	0	NR
370	0	NR	500	213	NR	630	375	NR	760	12	NR	890	0	NR
375	0	NR	505	288	NR	635	345	NR	765	11	NR	895	0	NR
380	0	NR	510	364	NR	640	314	NR	770	9	NR	900	0	NR
385	0	NR	515	436	NR	645	283	NR	775	8	NR	905	0	NR
390	1	NR	520	492	NR	650	254	NR	780	7	NR	910	0	NR
395	3	NR	525	537	NR	655	227	NR	785	6	NR	915	0	NR
400	5	NR	530	570	NR	660	200	NR	790	5	NR	920	0	NR
405	7	NR	535	595	NR	665	177	NR	795	4	NR	925	0	NR
410	13	NR	540	611	NR	670	155	NR	800	4	NR	930	0	NR
415	25	NR	545	624	NR	675	136	NR	805	3	NR	935	0	NR
420	52	NR	550	631	NR	680	119	NR	810	3	NR	940	0	NR
425	106	NR	555	637	NR	685	104	NR	815	3	NR	945	0	NR
430	204	NR	560	640	NR	690	91	NR	820	2	NR	950	0	NR
435	369	NR	565	642	NR	695	79	NR	825	2	NR	955	0	NR
440	573	NR	570	641	NR	700	68	NR	830	2	NR	960	0	NR
445	844	NR	575	638	NR	705	59	NR	835	2	NR	965	0	NR
450	999	NR	580	632	NR	710	50	NR	840	1	NR	970	0	NR
455	668	NR	585	620	NR	715	43	NR	845	1	NR	975	0	NR
460	361	NR	590	607	NR	720	36	NR	850	1	NR	980	0	NR
465	255	NR	595	586	NR	725	30	NR	855	1	NR	985	0	NR
470	165	NR	600	564	NR	730	25	NR	860	1	NR	990	0	NR
475	106	NR	605	537	NR	735	22	NR	865	1	NR	995	0	NR
480	91	NR	610	507	NR	740	19	NR	870	0	NR	1000	0	NR
485	93	NR	615	474	NR	745	17	NR	875	0	NR			

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Scotopic Flux vs. Wavelength

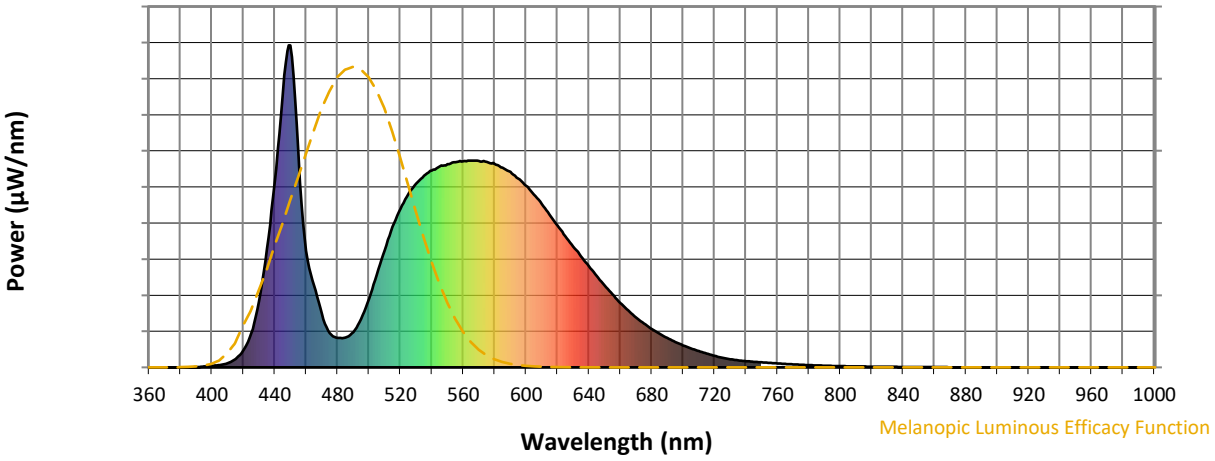


Scotopic Lumens: NR **S/P: 1.69**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	110	NR	620	440	NR	750	16	NR	880	0	NR
365	0	NR	495	150	NR	625	407	NR	755	14	NR	885	0	NR
370	0	NR	500	213	NR	630	375	NR	760	12	NR	890	0	NR
375	0	NR	505	288	NR	635	345	NR	765	11	NR	895	0	NR
380	0	NR	510	364	NR	640	314	NR	770	9	NR	900	0	NR
385	0	NR	515	436	NR	645	283	NR	775	8	NR	905	0	NR
390	1	NR	520	492	NR	650	254	NR	780	7	NR	910	0	NR
395	3	NR	525	537	NR	655	227	NR	785	6	NR	915	0	NR
400	5	NR	530	570	NR	660	200	NR	790	5	NR	920	0	NR
405	7	NR	535	595	NR	665	177	NR	795	4	NR	925	0	NR
410	13	NR	540	611	NR	670	155	NR	800	4	NR	930	0	NR
415	25	NR	545	624	NR	675	136	NR	805	3	NR	935	0	NR
420	52	NR	550	631	NR	680	119	NR	810	3	NR	940	0	NR
425	106	NR	555	637	NR	685	104	NR	815	3	NR	945	0	NR
430	204	NR	560	640	NR	690	91	NR	820	2	NR	950	0	NR
435	369	NR	565	642	NR	695	79	NR	825	2	NR	955	0	NR
440	573	NR	570	641	NR	700	68	NR	830	2	NR	960	0	NR
445	844	NR	575	638	NR	705	59	NR	835	2	NR	965	0	NR
450	999	NR	580	632	NR	710	50	NR	840	1	NR	970	0	NR
455	668	NR	585	620	NR	715	43	NR	845	1	NR	975	0	NR
460	361	NR	590	607	NR	720	36	NR	850	1	NR	980	0	NR
465	255	NR	595	586	NR	725	30	NR	855	1	NR	985	0	NR
470	165	NR	600	564	NR	730	25	NR	860	1	NR	990	0	NR
475	106	NR	605	537	NR	735	22	NR	865	1	NR	995	0	NR
480	91	NR	610	507	NR	740	19	NR	870	0	NR	1000	0	NR
485	93	NR	615	474	NR	745	17	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.36**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	110	NR	620	440	NR	750	16	NR	880	0	NR
365	0	NR	495	150	NR	625	407	NR	755	14	NR	885	0	NR
370	0	NR	500	213	NR	630	375	NR	760	12	NR	890	0	NR
375	0	NR	505	288	NR	635	345	NR	765	11	NR	895	0	NR
380	0	NR	510	364	NR	640	314	NR	770	9	NR	900	0	NR
385	0	NR	515	436	NR	645	283	NR	775	8	NR	905	0	NR
390	1	NR	520	492	NR	650	254	NR	780	7	NR	910	0	NR
395	3	NR	525	537	NR	655	227	NR	785	6	NR	915	0	NR
400	5	NR	530	570	NR	660	200	NR	790	5	NR	920	0	NR
405	7	NR	535	595	NR	665	177	NR	795	4	NR	925	0	NR
410	13	NR	540	611	NR	670	155	NR	800	4	NR	930	0	NR
415	25	NR	545	624	NR	675	136	NR	805	3	NR	935	0	NR
420	52	NR	550	631	NR	680	119	NR	810	3	NR	940	0	NR
425	106	NR	555	637	NR	685	104	NR	815	3	NR	945	0	NR
430	204	NR	560	640	NR	690	91	NR	820	2	NR	950	0	NR
435	369	NR	565	642	NR	695	79	NR	825	2	NR	955	0	NR
440	573	NR	570	641	NR	700	68	NR	830	2	NR	960	0	NR
445	844	NR	575	638	NR	705	59	NR	835	2	NR	965	0	NR
450	999	NR	580	632	NR	710	50	NR	840	1	NR	970	0	NR
455	668	NR	585	620	NR	715	43	NR	845	1	NR	975	0	NR
460	361	NR	590	607	NR	720	36	NR	850	1	NR	980	0	NR
465	255	NR	595	586	NR	725	30	NR	855	1	NR	985	0	NR
470	165	NR	600	564	NR	730	25	NR	860	1	NR	990	0	NR
475	106	NR	605	537	NR	735	22	NR	865	1	NR	995	0	NR
480	91	NR	610	507	NR	740	19	NR	870	0	NR	1000	0	NR
485	93	NR	615	474	NR	745	17	NR	875	0	NR			

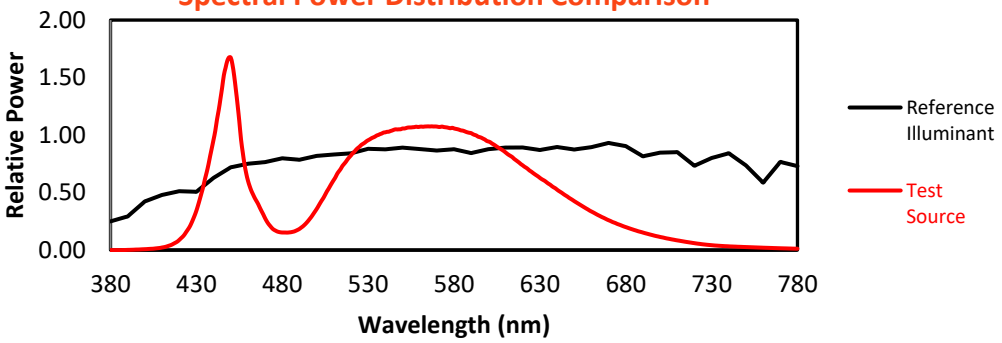
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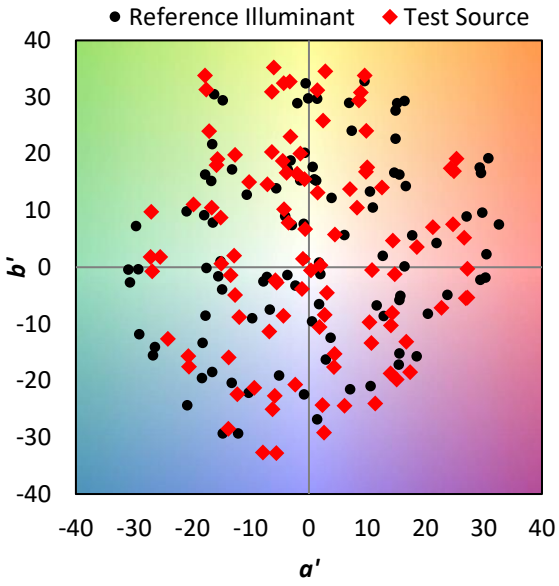
Summary

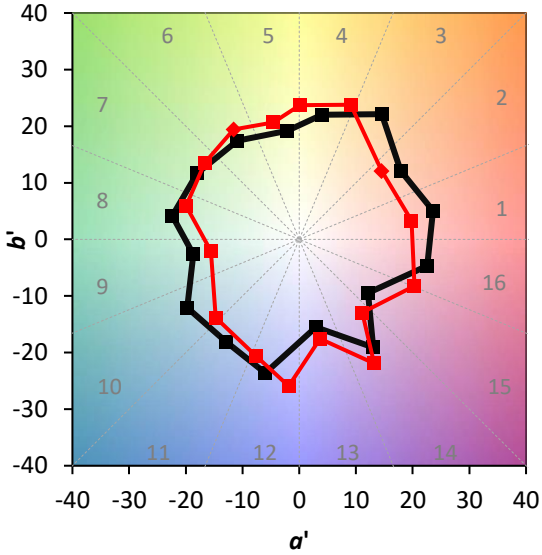
R_f = 73
R_g = 94.6
CIE R_a = 70.9
R_9 = -29.8

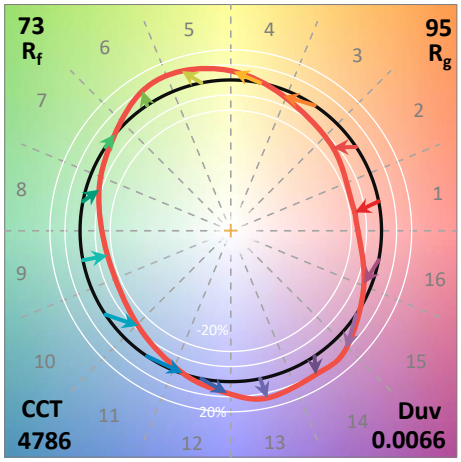
Spectral Power Distribution Comparison

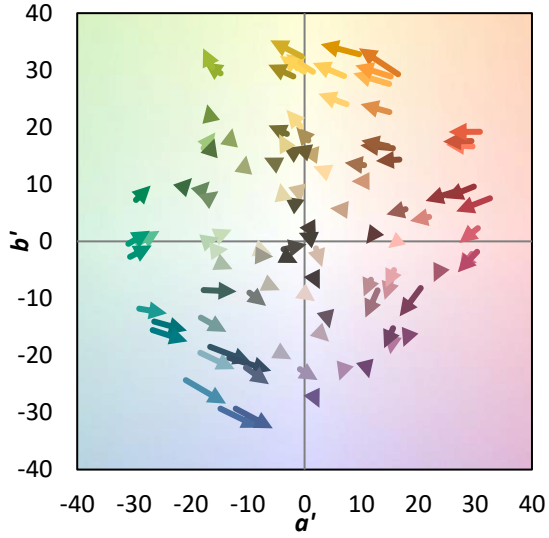


Color Vector Graphics







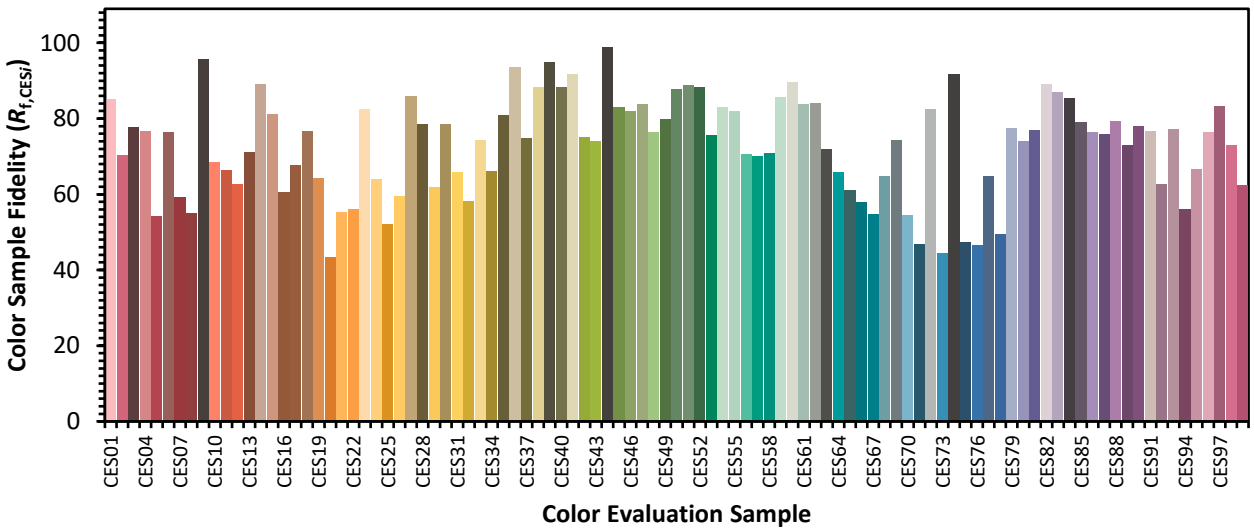


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Individual Sample Fidelity Index ($R_{f,i}$)

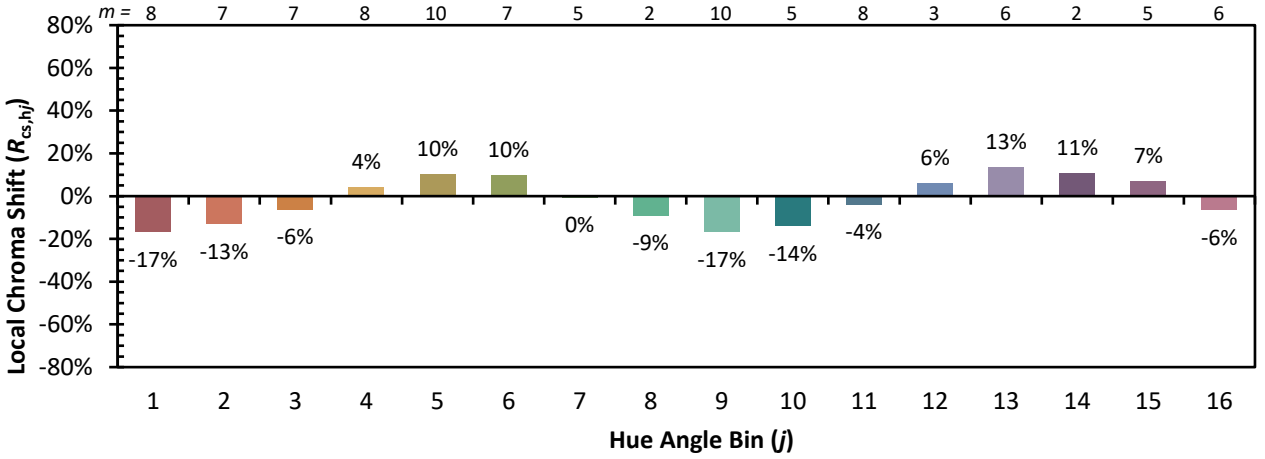
CES01 = 85	CES26 = 60	CES51 = 89	CES76 = 46
CES02 = 59	CES27 = 86	CES52 = 88	CES77 = 65
CES03 = 30	CES28 = 78	CES53 = 76	CES78 = 49
CES04 = 69	CES29 = 62	CES54 = 83	CES79 = 78
CES05 = 46	CES30 = 79	CES55 = 82	CES80 = 74
CES06 = 50	CES31 = 66	CES56 = 71	CES81 = 77
CES07 = 39	CES32 = 58	CES57 = 70	CES82 = 89
CES08 = 38	CES33 = 74	CES58 = 71	CES83 = 87
CES09 = 29	CES34 = 66	CES59 = 86	CES84 = 86
CES10 = 72	CES35 = 81	CES60 = 90	CES85 = 79
CES11 = 56	CES36 = 94	CES61 = 84	CES86 = 76
CES12 = 61	CES37 = 75	CES62 = 84	CES87 = 76
CES13 = 41	CES38 = 88	CES63 = 72	CES88 = 79
CES14 = 74	CES39 = 95	CES64 = 66	CES89 = 73
CES15 = 70	CES40 = 88	CES65 = 61	CES90 = 78
CES16 = 46	CES41 = 92	CES66 = 58	CES91 = 77
CES17 = 49	CES42 = 75	CES67 = 55	CES92 = 63
CES18 = 55	CES43 = 74	CES68 = 65	CES93 = 77
CES19 = 71	CES44 = 99	CES69 = 74	CES94 = 56
CES20 = 64	CES45 = 83	CES70 = 55	CES95 = 67
CES21 = 85	CES46 = 82	CES71 = 47	CES96 = 76
CES22 = 77	CES47 = 84	CES72 = 82	CES97 = 83
CES23 = 91	CES48 = 76	CES73 = 44	CES98 = 73
CES24 = 90	CES49 = 80	CES74 = 92	CES99 = 62
CES25 = 71	CES50 = 88	CES75 = 47	

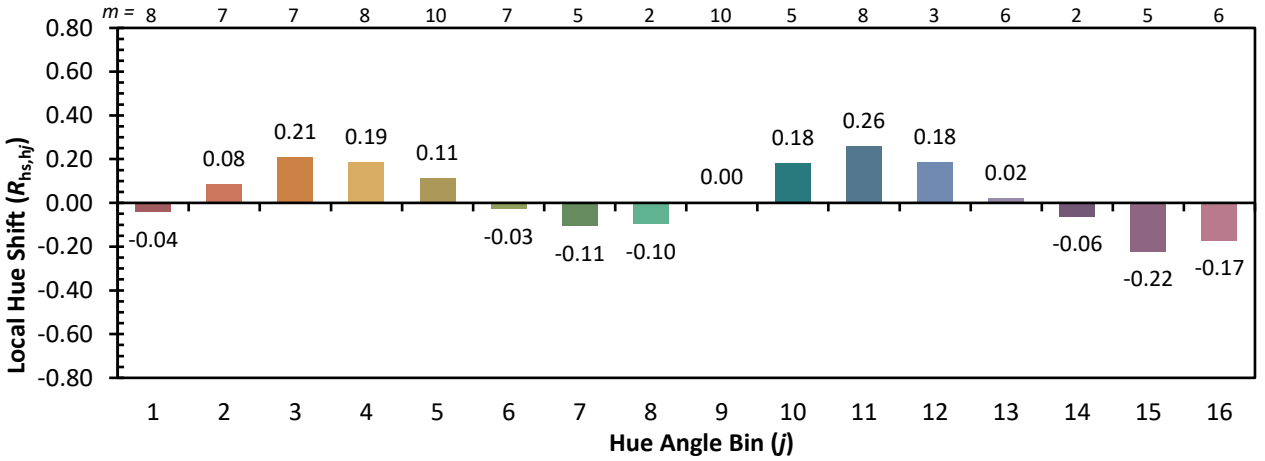


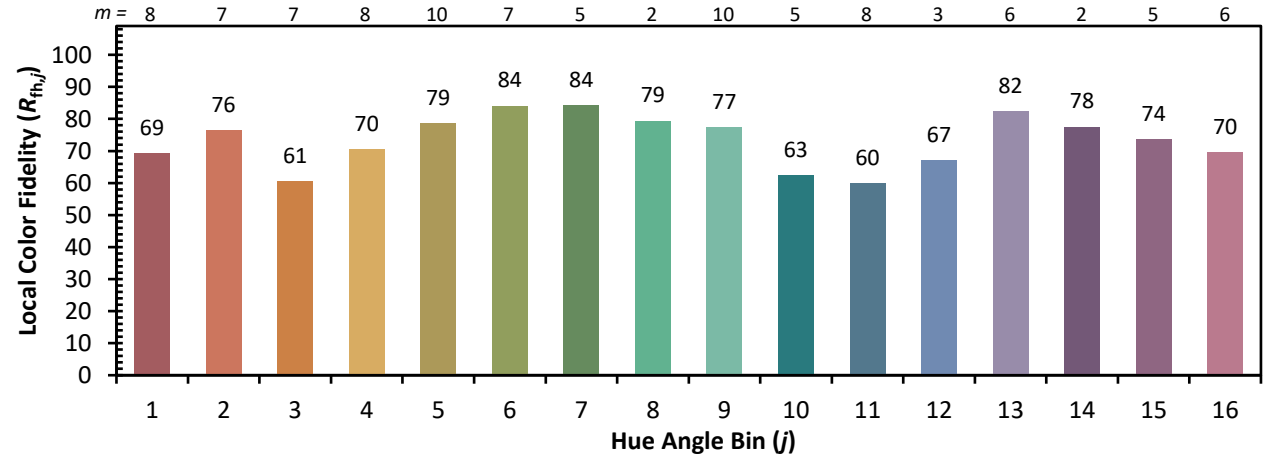
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Color Rendition by Hue-Angle Bin



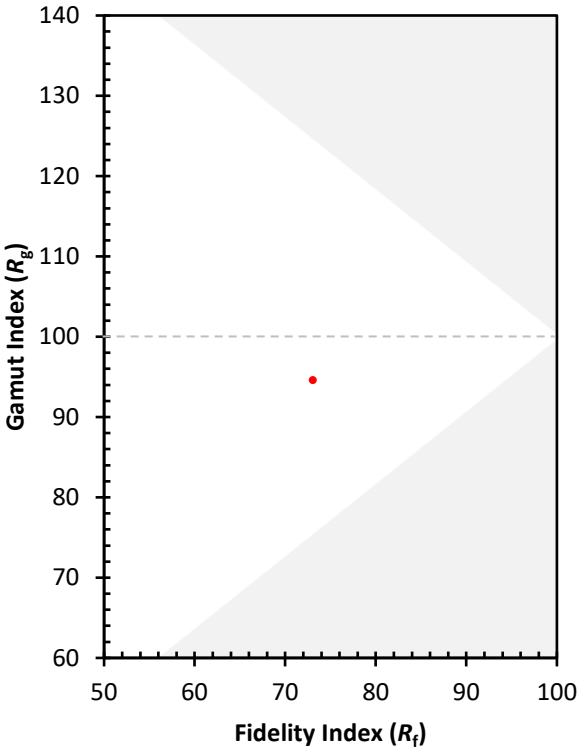


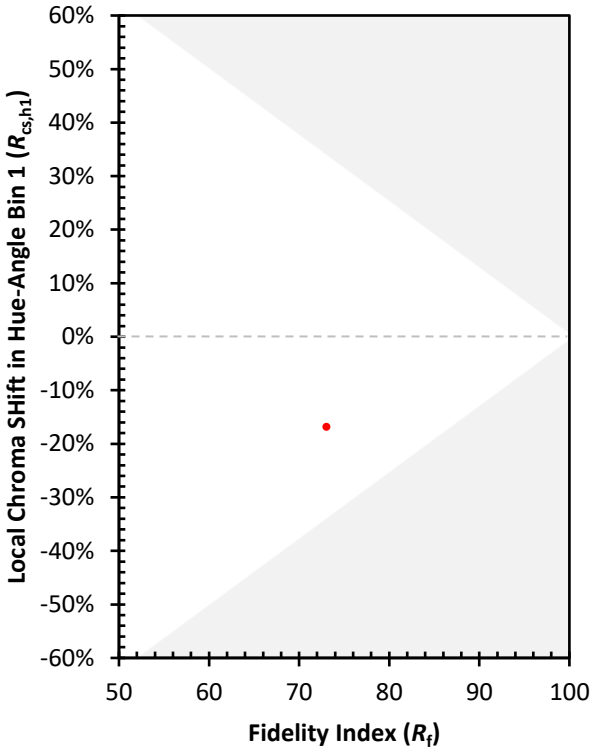


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Measure Comparisons





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