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: STREETWORKS

Report Number: P879868

Luminaire Tested: **MEM2-HTN-VA-50-735-U-WT4**

Issue Date: 10/01/2024

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:	P879868
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	10/01/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HTN-VA-50-735-U-WT4
Description:	EPIC MODERN TALL HOUSING 50W 70CRI 3500K VISUAL COMFORT FIXTURE w/ DRIVE LANE TYPE IV DISTRIBUTION OPTIC
Light Source:	(1) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4977.9 lumens
Efficiency:	N/A
Efficacy:	101.6 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	49
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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REPORT NUMBER: P879868
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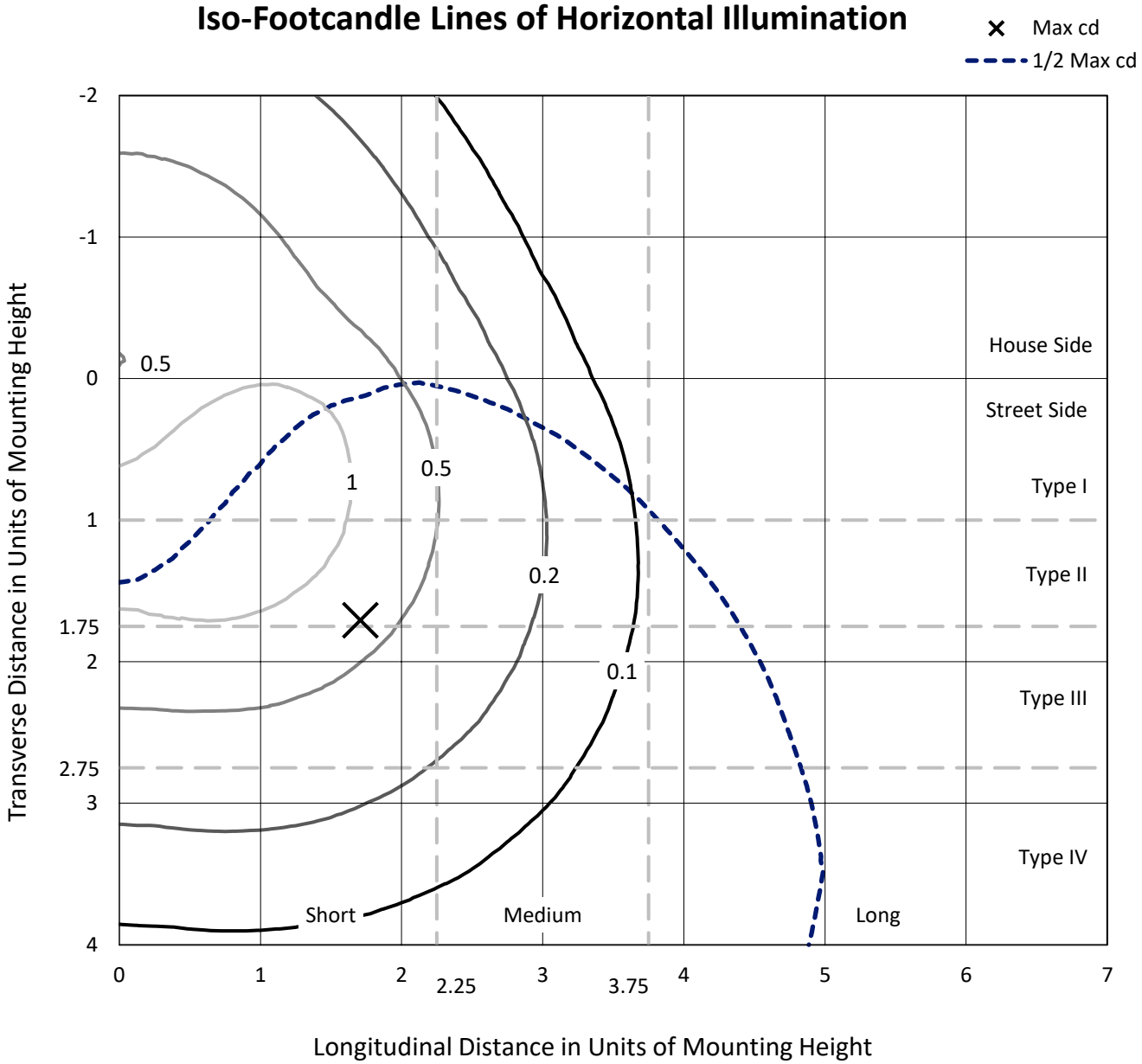
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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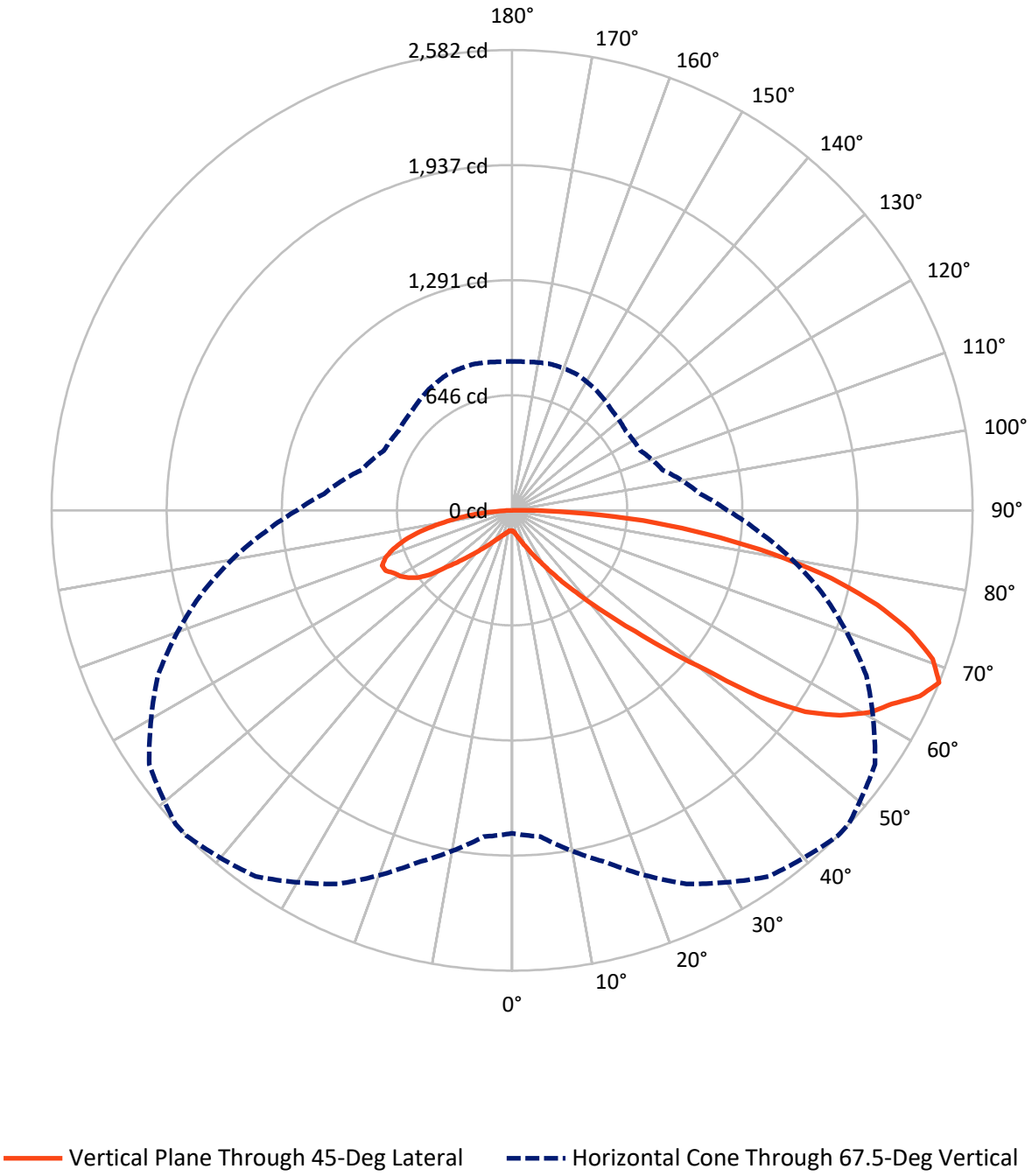
Luminous Intensity Polar Plot



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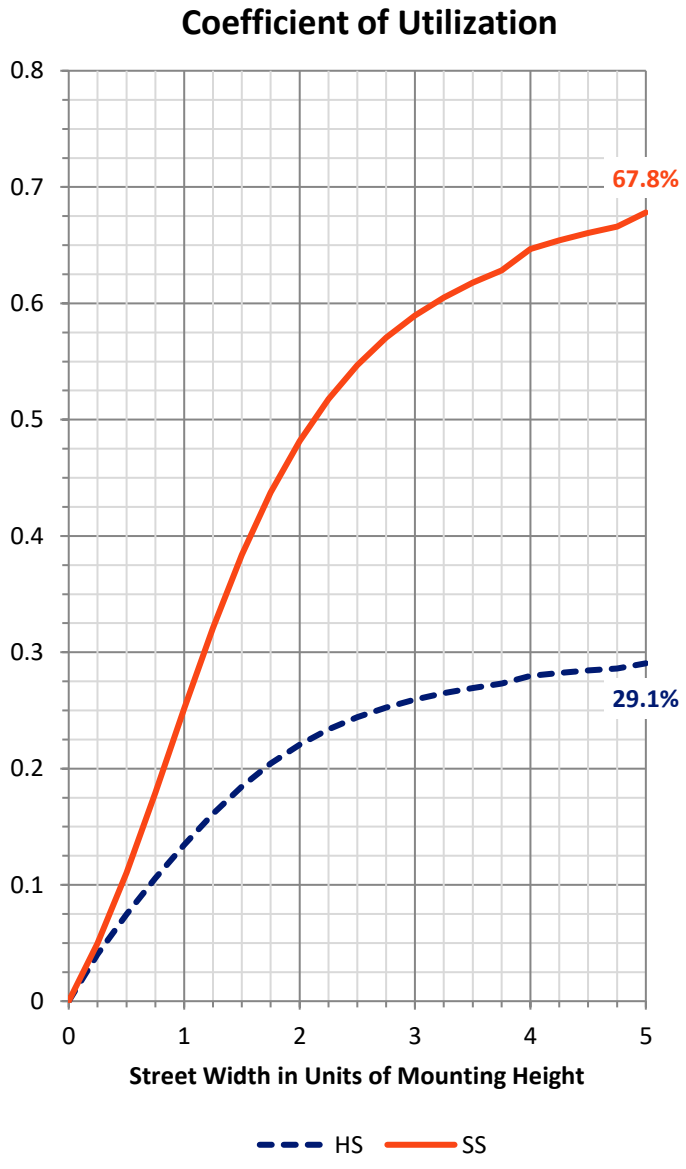
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1475.3	0.0	1475.3
	% Fixture	29.6	0.0	29.6
Street Side	Lumens	3502.6	0.0	3502.6
	% Fixture	70.4	0.0	70.4
Total	Lumens	4977.9	0.0	4977.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.2
10°-20°	44.3	0.9
20°-30°	104.3	2.1
30°-40°	228.8	4.6
40°-50°	498.1	10.0
50°-60°	1023.4	20.6
60°-70°	1441.9	29.0
70°-80°	1224.1	24.6
80°-90°	401.2	8.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4977.9	100.0
0°-180°	4977.9	100.0



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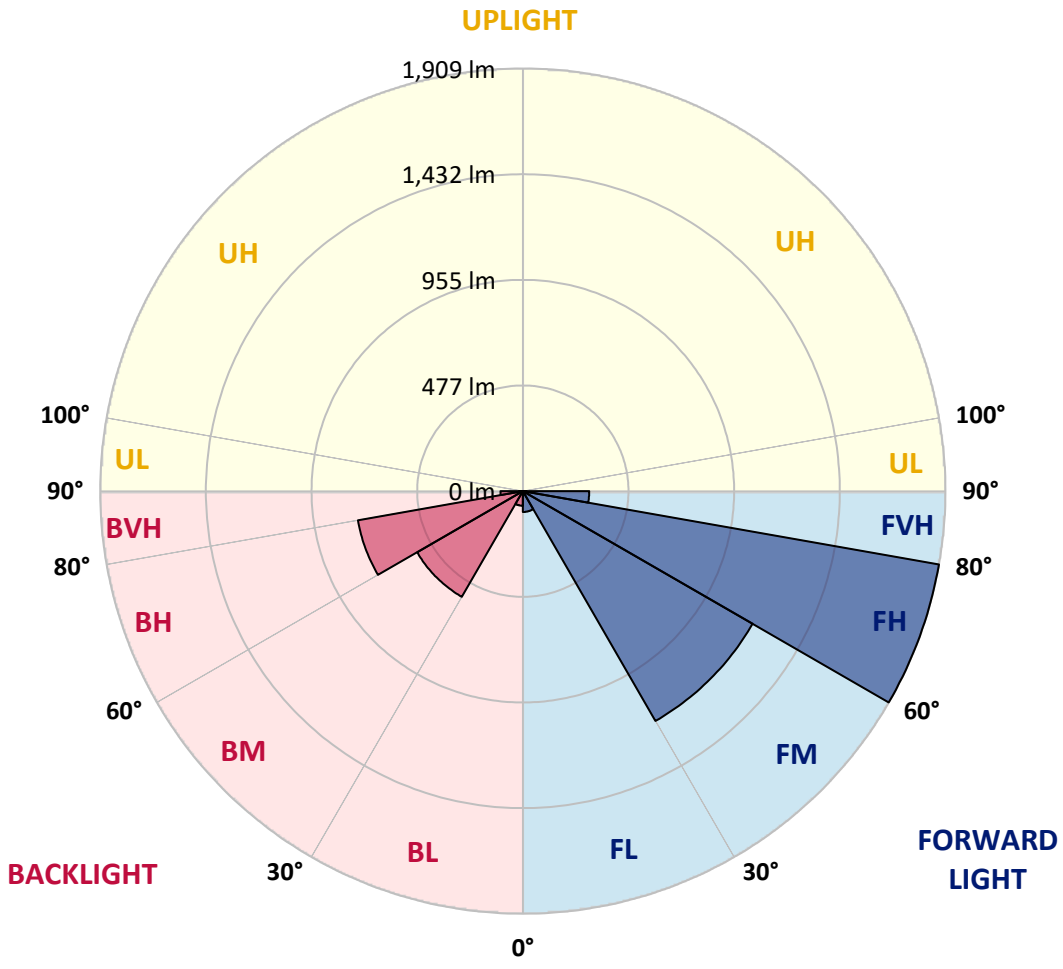
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	94.2	1.9			
FM	(30°-60°)	1198.9	24.1			
FH	(60°-80°)	1909.5	38.4			G2/5000
FVH	(80°-90°)	300.0	6.0			G3/500
BL	(0°-30°)	66.2	1.3	B0/110		
BM	(30°-60°)	551.4	11.1	B1/1000		
BH	(60°-80°)	756.5	15.2	B2/1000		G2/1000
BVH	(80°-90°)	101.2	2.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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REPORT NUMBER: P879868
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	114.9	114.9	114.9	114.9	114.9	*114.9*	114.9	114.9	114.9	114.9	114.9
2.5°	118.5	118.0	118.5	118.5	118.5	*118.0*	118.0	118.0	117.5	117.0	116.5
5°	125.6	125.6	125.6	125.1	125.1	*124.1*	124.1	123.6	122.6	121.6	120.5
7.5°	135.3	134.8	134.8	134.3	133.8	*132.7*	132.2	131.7	129.7	128.2	126.1
10°	147.0	147.0	146.5	145.5	145.5	*142.9*	143.4	142.4	139.9	136.8	133.3
12.5°	161.2	161.2	160.2	160.2	159.2	*157.2*	156.6	155.1	152.6	147.5	143.4
15°	177.0	177.0	178.0	177.0	176.0	*173.4*	173.4	171.4	165.8	161.7	155.6
17.5°	196.8	194.3	195.8	195.3	195.3	*193.8*	192.2	189.7	185.1	178.0	170.4
20°	217.2	217.7	216.2	217.7	218.2	*216.2*	216.2	213.1	206.5	197.8	185.6
22.5°	242.6	242.6	239.5	243.6	246.2	*244.6*	244.1	238.0	229.9	218.2	206.0
25°	269.0	268.0	273.1	274.1	279.7	*279.2*	278.7	273.1	260.9	246.7	227.9
27.5°	299.1	300.6	310.2	312.8	318.4	*317.9*	317.4	311.3	298.0	278.7	254.3
30°	336.2	338.2	347.4	356.0	365.7	*366.7*	365.7	360.6	341.3	315.8	288.4
32.5°	379.4	385.0	394.2	408.9	421.1	*426.7*	427.7	418.6	396.7	363.1	327.0
35°	438.4	433.8	446.5	471.0	491.3	*502.5*	502.0	489.8	465.9	423.2	371.8
37.5°	496.4	494.9	514.7	546.7	574.2	*583.4*	585.9	577.8	547.2	490.8	430.3
40°	556.9	569.6	592.5	629.6	670.3	*689.7*	691.2	679.5	637.8	574.2	494.4
42.5°	635.7	648.5	677.4	723.2	782.2	*814.3*	816.3	803.1	752.7	670.3	571.7
45°	735.4	742.5	773.1	842.7	918.5	*969.9*	984.6	968.4	906.3	791.9	667.8
47.5°	842.7	842.7	892.6	984.6	1099.1	*1166.7*	1177.9	1163.2	1070.6	932.8	775.1
50°	962.3	962.8	1042.1	1173.8	1318.3	*1402.7*	1411.4	1375.7	1263.9	1076.2	884.4
52.5°	1086.4	1099.6	1215.5	1414.9	1608.7	*1737.9*	1746.5	1705.3	1556.3	1281.7	1000.9
55°	1257.2	1278.1	1446.4	1691.1	1892.5	*1994.2*	1994.7	1945.4	1766.4	1481.0	1140.3
57.5°	1494.3	1502.4	1659.5	1909.3	2099.5	*2169.2*	2164.1	2091.9	1885.4	1592.4	1254.7
60°	1690.1	1708.9	1837.0	2069.0	2254.6	*2302.4*	2296.8	2201.2	1966.7	1657.5	1309.6
62.5°	1818.7	1827.9	1960.6	2183.4	2350.2	*2390.4*	2384.3	2295.3	2066.4	1770.9	1401.2
65°	1849.8	1865.0	2033.4	2259.7	2421.4	*2512.0*	2507.9	2460.1	2225.1	1854.8	1444.4
67.5°	*1812.1*	*1837.6*	*2044.0*	*2312.1*	*2506.9*	*2582.1*	*2580.1*	*2484.0*	*2191.0*	*1800.9*	*1390.0*
70°	1735.3	1757.2	2013.5	2306.5	2481.9	*2502.3*	2486.5	2376.7	2090.8	1711.4	1308.6
72.5°	1614.3	1651.4	1901.6	2178.8	2325.3	*2338.5*	2332.9	2198.7	1940.3	1557.3	1185.5
75°	1455.6	1500.9	1727.7	1952.0	2091.3	*2114.2*	2103.5	1986.1	1724.6	1364.6	1033.0
77.5°	1254.7	1280.1	1453.1	1666.2	1826.4	*1830.4*	1824.3	1693.1	1452.5	1142.8	869.2
80°	988.7	1004.0	1154.0	1331.5	1464.2	*1480.5*	1474.9	1386.4	1153.5	904.3	678.0
82.5°	732.4	722.2	822.9	968.4	1100.1	*1101.1*	1110.3	1012.1	863.6	656.1	485.2
85°	421.6	425.7	513.2	612.3	692.2	*738.5*	738.0	690.7	555.4	417.6	296.0
87.5°	117.5	126.6	182.1	265.0	301.1	*327.5*	317.9	286.8	231.9	131.2	75.3
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P879868
CATALOG NUMBER: MEM2-HTN-VA-50-735-U-WT4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9
2.5°	116.5	116.0	115.5	114.9	113.9	113.9	113.4	113.9	113.9	113.9	113.9
5°	119.5	119.0	117.5	116.5	114.9	113.9	113.4	113.4	113.4	113.4	113.4
7.5°	124.6	124.1	121.6	119.5	117.5	116.5	115.5	114.9	114.4	113.9	114.4
10°	132.2	130.2	127.7	124.6	121.6	120.0	118.5	118.0	117.5	117.0	117.0
12.5°	140.9	139.4	134.8	130.7	127.7	125.1	123.1	122.1	121.6	121.0	121.0
15°	152.6	149.5	143.4	138.3	133.8	130.7	128.7	127.7	127.1	126.6	126.6
17.5°	165.8	161.7	153.6	147.0	141.9	137.8	135.3	133.8	132.7	133.3	133.8
20°	181.1	174.4	165.3	157.2	150.5	146.0	143.4	141.4	140.4	140.9	141.4
22.5°	198.9	191.7	178.5	168.9	160.7	155.1	152.6	151.1	150.0	149.5	148.5
25°	219.2	210.0	194.8	181.6	171.9	166.3	163.3	162.2	161.2	160.2	160.2
27.5°	243.6	232.9	212.1	197.8	186.1	180.6	177.0	175.5	175.5	173.9	173.9
30°	272.1	257.9	232.4	213.6	201.9	194.8	190.7	190.2	189.2	190.7	190.7
32.5°	306.2	286.8	255.8	234.0	220.7	214.1	210.0	209.0	207.5	208.5	211.6
35°	348.9	324.0	286.8	260.9	244.6	238.0	232.9	232.4	229.9	232.4	228.4
37.5°	396.7	369.2	319.9	289.4	271.6	264.0	260.4	258.9	258.4	258.4	255.3
40°	455.2	422.1	362.1	324.5	304.1	295.0	291.4	290.9	289.9	293.5	289.9
42.5°	527.4	477.1	405.9	363.1	342.3	332.6	328.6	327.0	329.6	331.1	330.6
45°	607.8	553.4	461.8	412.5	388.6	378.9	373.3	371.8	372.8	372.8	377.9
47.5°	700.3	636.3	525.9	466.4	444.5	432.8	429.3	424.2	421.6	420.6	429.3
50°	797.0	717.1	591.5	524.9	505.0	495.9	496.9	486.7	483.2	479.1	478.1
52.5°	894.1	803.6	666.3	606.2	583.4	587.9	585.9	575.2	554.4	549.3	537.1
55°	1010.6	901.2	738.0	666.3	646.4	650.0	658.1	658.1	653.5	642.4	632.7
57.5°	1109.2	982.1	791.9	702.4	685.1	694.2	710.5	722.7	733.4	741.5	741.0
60°	1164.2	1031.9	827.0	729.8	709.5	727.3	751.7	772.6	795.4	819.3	818.3
62.5°	1240.0	1101.6	889.5	778.7	743.6	749.2	777.1	813.2	834.1	853.9	859.5
65°	1259.8	1114.3	912.9	813.2	784.8	785.8	804.6	834.1	851.9	857.0	860.0
67.5°	*1206.4*	*1058.4*	*874.3*	*792.9*	*777.6*	*791.9*	*822.4*	*845.8*	*848.3*	*836.1*	*835.1*
70°	1126.0	989.7	813.2	745.1	735.4	757.3	797.5	825.4	819.3	794.4	792.9
72.5°	1012.6	886.0	731.4	682.0	672.4	699.8	735.4	764.9	755.8	737.0	735.4
75°	876.3	757.8	632.2	595.6	595.1	625.1	656.1	673.9	673.4	660.2	656.1
77.5°	728.3	632.2	520.8	487.7	499.9	528.4	551.3	564.5	560.0	555.4	553.9
80°	570.1	484.7	401.8	382.0	400.8	410.4	434.8	433.8	436.4	426.7	433.8
82.5°	405.9	349.4	287.9	279.2	281.8	301.1	314.3	312.8	306.2	299.1	296.0
85°	246.2	215.1	184.6	172.4	181.1	179.5	187.7	181.1	177.0	173.4	176.5
87.5°	68.2	59.0	56.5	40.7	50.4	39.7	41.7	29.0	25.4	30.5	26.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-176-4

Test Date: 09/24/2024

Luminaire Tested: MEM2-HTN-VA-30-735-U-WQ

Data in this report applies to families of products including MEM2-HTN-VA-30-735-U-WQ

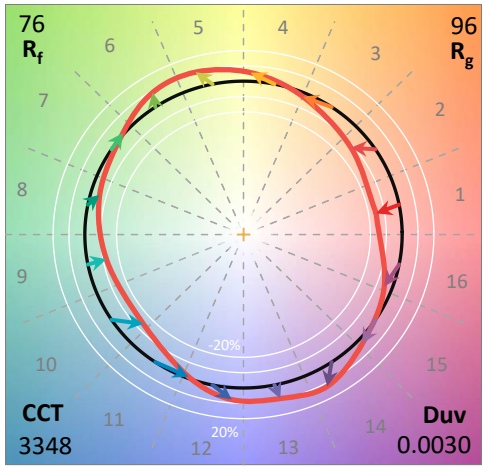
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-4
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-30-735-U-WQ**
Description:	EPIC MODERN VISUAL COMFORT 30W WAVESTREAM WIDE

Spectral Parameters

CCT (K):	3348	CRI (Ra):	73.4		
CIE u':	0.2384	R1:	70.8	R9:	-19.2
CIE v':	0.5184	R2:	79.9	R10:	52.5
Duv:	0.0030	R3:	87.6	R11:	68.0
CIE x:	0.4177	R4:	72.6	R12:	42.6
CIE y:	0.4036	R5:	69.3	R13:	72.0
CIE z:	0.1787	R6:	71.3	R14:	92.6
Peak Wavelength (nm):	593	R7:	82.1	R15:	63.8
Dominant Wavelength (nm):	580	R8:	53.3		
Purity:	46.5223				
Rf:	75.8				
Rg:	95.8				



Test Conditions

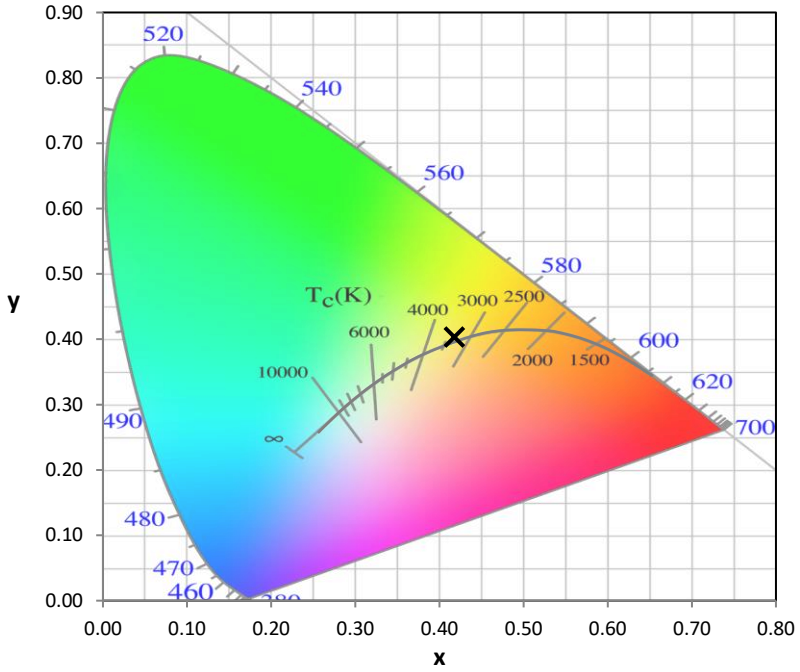
Stabilization Time:	30M
Operation Time:	1H 30M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-4

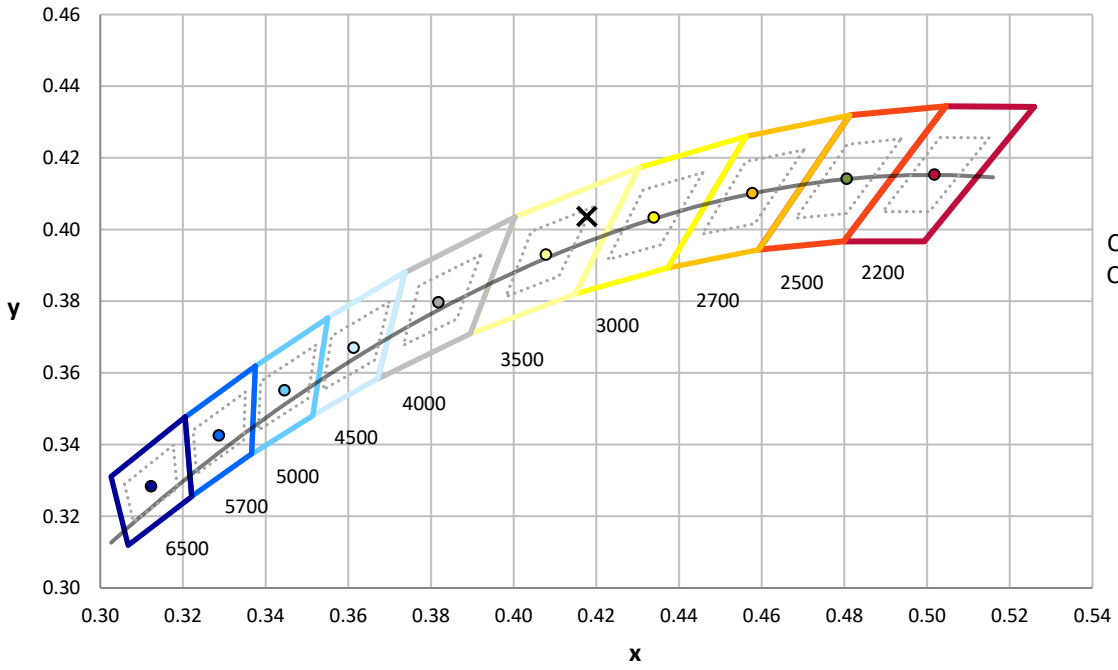
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-176-4

CIE 1931 Chromaticity Diagram



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

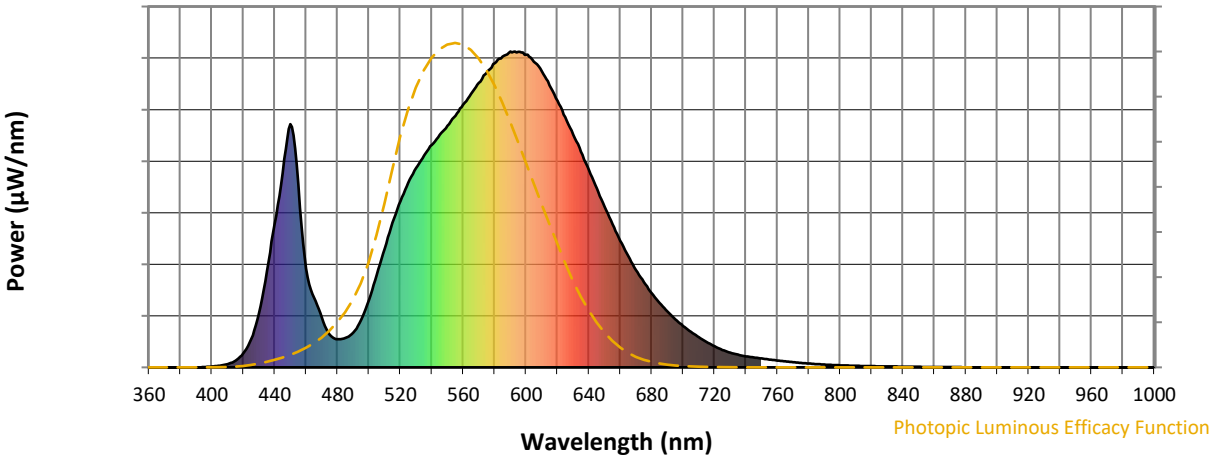


CCT = 3348K
CIE x = 0.4177
CIE y = 0.4036
Duv = 0.0030

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-176-4

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	844	NR	750	28	NR	880	0	NR
365	0	NR	495	150	NR	625	792	NR	755	25	NR	885	0	NR
370	0	NR	500	214	NR	630	737	NR	760	22	NR	890	0	NR
375	0	NR	505	293	NR	635	683	NR	765	19	NR	895	0	NR
380	0	NR	510	376	NR	640	625	NR	770	16	NR	900	0	NR
385	0	NR	515	458	NR	645	566	NR	775	14	NR	905	0	NR
390	0	NR	520	526	NR	650	509	NR	780	12	NR	910	0	NR
395	1	NR	525	584	NR	655	453	NR	785	10	NR	915	0	NR
400	3	NR	530	631	NR	660	401	NR	790	9	NR	920	0	NR
405	5	NR	535	671	NR	665	353	NR	795	8	NR	925	0	NR
410	10	NR	540	704	NR	670	308	NR	800	7	NR	930	0	NR
415	21	NR	545	737	NR	675	269	NR	805	6	NR	935	0	NR
420	44	NR	550	766	NR	680	235	NR	810	5	NR	940	0	NR
425	90	NR	555	797	NR	685	204	NR	815	4	NR	945	0	NR
430	171	NR	560	832	NR	690	177	NR	820	4	NR	950	0	NR
435	305	NR	565	866	NR	695	152	NR	825	3	NR	955	0	NR
440	455	NR	570	901	NR	700	131	NR	830	3	NR	960	0	NR
445	615	NR	575	933	NR	705	112	NR	835	3	NR	965	0	NR
450	771	NR	580	963	NR	710	96	NR	840	2	NR	970	0	NR
455	579	NR	585	984	NR	715	80	NR	845	2	NR	975	0	NR
460	313	NR	590	1000	NR	720	67	NR	850	2	NR	980	0	NR
465	221	NR	595	999	NR	725	55	NR	855	1	NR	985	0	NR
470	156	NR	600	990	NR	730	46	NR	860	1	NR	990	0	NR
475	103	NR	605	968	NR	735	40	NR	865	1	NR	995	0	NR
480	89	NR	610	937	NR	740	35	NR	870	1	NR	1000	0	NR
485	93	NR	615	893	NR	745	31	NR	875	1	NR			

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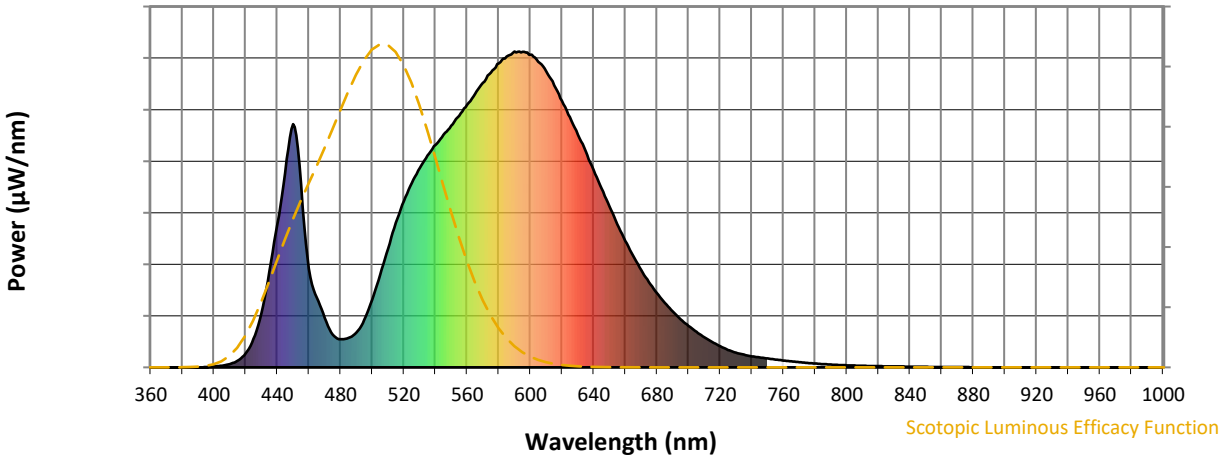
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.31**

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	844	NR	750	28	NR	880	0	NR
365	0	NR	495	150	NR	625	792	NR	755	25	NR	885	0	NR
370	0	NR	500	214	NR	630	737	NR	760	22	NR	890	0	NR
375	0	NR	505	293	NR	635	683	NR	765	19	NR	895	0	NR
380	0	NR	510	376	NR	640	625	NR	770	16	NR	900	0	NR
385	0	NR	515	458	NR	645	566	NR	775	14	NR	905	0	NR
390	0	NR	520	526	NR	650	509	NR	780	12	NR	910	0	NR
395	1	NR	525	584	NR	655	453	NR	785	10	NR	915	0	NR
400	3	NR	530	631	NR	660	401	NR	790	9	NR	920	0	NR
405	5	NR	535	671	NR	665	353	NR	795	8	NR	925	0	NR
410	10	NR	540	704	NR	670	308	NR	800	7	NR	930	0	NR
415	21	NR	545	737	NR	675	269	NR	805	6	NR	935	0	NR
420	44	NR	550	766	NR	680	235	NR	810	5	NR	940	0	NR
425	90	NR	555	797	NR	685	204	NR	815	4	NR	945	0	NR
430	171	NR	560	832	NR	690	177	NR	820	4	NR	950	0	NR
435	305	NR	565	866	NR	695	152	NR	825	3	NR	955	0	NR
440	455	NR	570	901	NR	700	131	NR	830	3	NR	960	0	NR
445	615	NR	575	933	NR	705	112	NR	835	3	NR	965	0	NR
450	771	NR	580	963	NR	710	96	NR	840	2	NR	970	0	NR
455	579	NR	585	984	NR	715	80	NR	845	2	NR	975	0	NR
460	313	NR	590	1000	NR	720	67	NR	850	2	NR	980	0	NR
465	221	NR	595	999	NR	725	55	NR	855	1	NR	985	0	NR
470	156	NR	600	990	NR	730	46	NR	860	1	NR	990	0	NR
475	103	NR	605	968	NR	735	40	NR	865	1	NR	995	0	NR
480	89	NR	610	937	NR	740	35	NR	870	1	NR	1000	0	NR
485	93	NR	615	893	NR	745	31	NR	875	1	NR			

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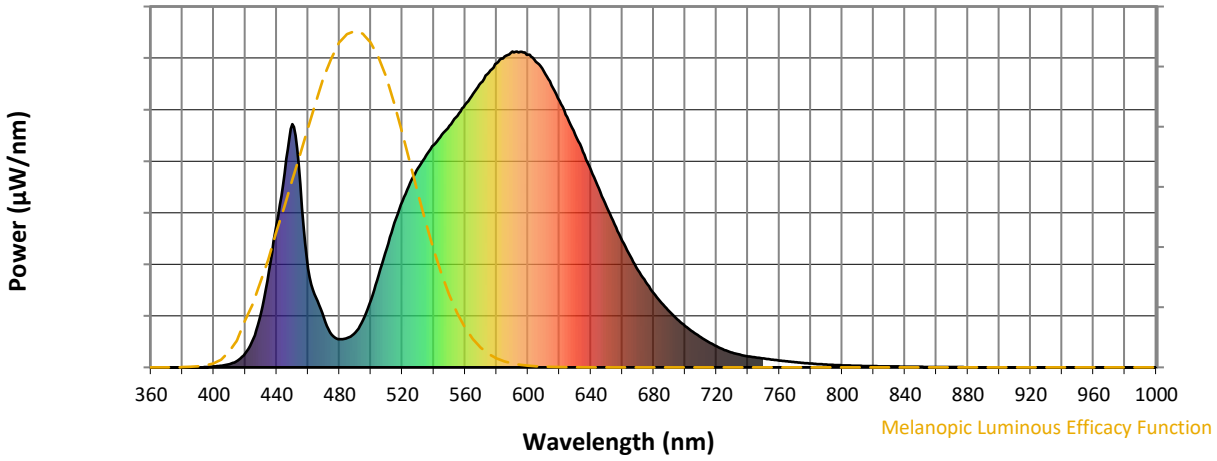
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.4**

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	844	NR	750	28	NR	880	0	NR
365	0	NR	495	150	NR	625	792	NR	755	25	NR	885	0	NR
370	0	NR	500	214	NR	630	737	NR	760	22	NR	890	0	NR
375	0	NR	505	293	NR	635	683	NR	765	19	NR	895	0	NR
380	0	NR	510	376	NR	640	625	NR	770	16	NR	900	0	NR
385	0	NR	515	458	NR	645	566	NR	775	14	NR	905	0	NR
390	0	NR	520	526	NR	650	509	NR	780	12	NR	910	0	NR
395	1	NR	525	584	NR	655	453	NR	785	10	NR	915	0	NR
400	3	NR	530	631	NR	660	401	NR	790	9	NR	920	0	NR
405	5	NR	535	671	NR	665	353	NR	795	8	NR	925	0	NR
410	10	NR	540	704	NR	670	308	NR	800	7	NR	930	0	NR
415	21	NR	545	737	NR	675	269	NR	805	6	NR	935	0	NR
420	44	NR	550	766	NR	680	235	NR	810	5	NR	940	0	NR
425	90	NR	555	797	NR	685	204	NR	815	4	NR	945	0	NR
430	171	NR	560	832	NR	690	177	NR	820	4	NR	950	0	NR
435	305	NR	565	866	NR	695	152	NR	825	3	NR	955	0	NR
440	455	NR	570	901	NR	700	131	NR	830	3	NR	960	0	NR
445	615	NR	575	933	NR	705	112	NR	835	3	NR	965	0	NR
450	771	NR	580	963	NR	710	96	NR	840	2	NR	970	0	NR
455	579	NR	585	984	NR	715	80	NR	845	2	NR	975	0	NR
460	313	NR	590	1000	NR	720	67	NR	850	2	NR	980	0	NR
465	221	NR	595	999	NR	725	55	NR	855	1	NR	985	0	NR
470	156	NR	600	990	NR	730	46	NR	860	1	NR	990	0	NR
475	103	NR	605	968	NR	735	40	NR	865	1	NR	995	0	NR
480	89	NR	610	937	NR	740	35	NR	870	1	NR	1000	0	NR
485	93	NR	615	893	NR	745	31	NR	875	1	NR			

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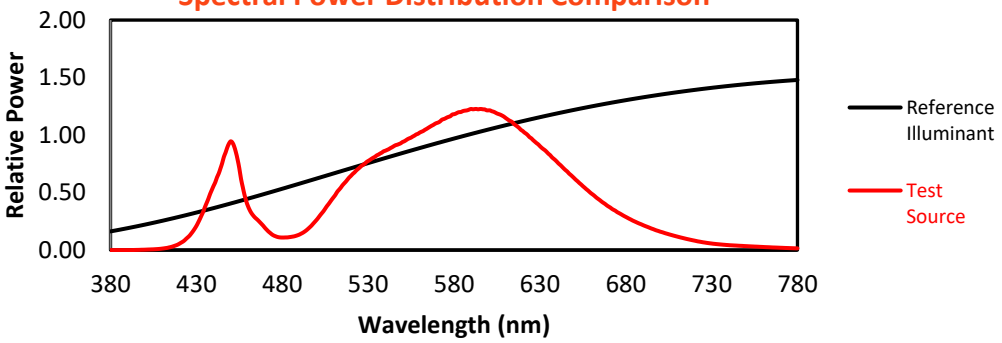
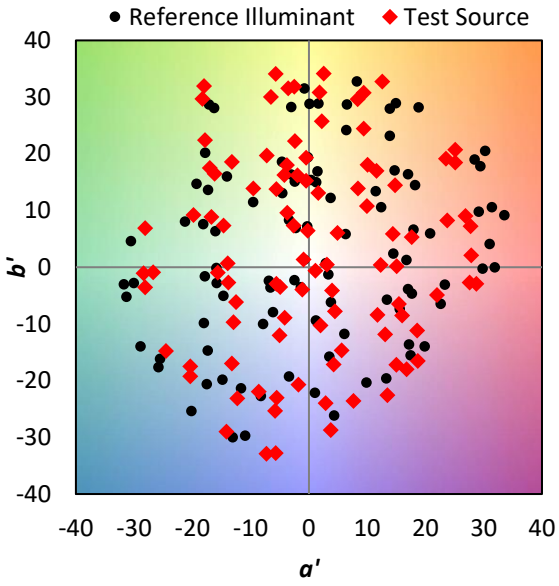
Summary

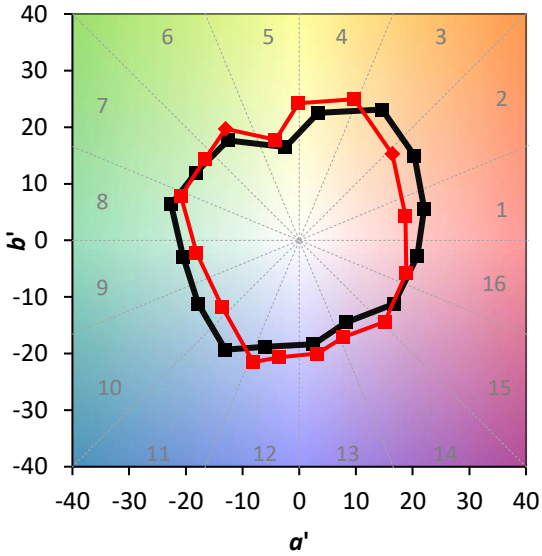
R_f = 75.8
R_g = 95.8
CIE R_a = 73.4
R_9 = -19.2

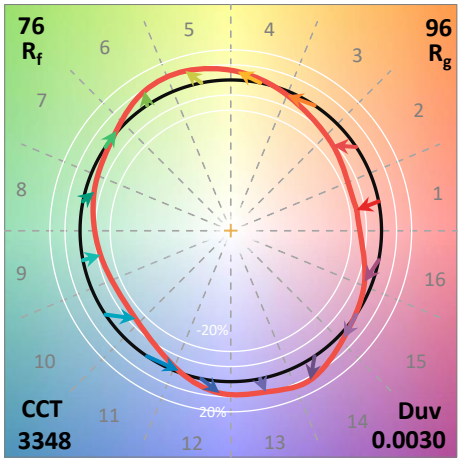
Spectral Power Distribution Comparison

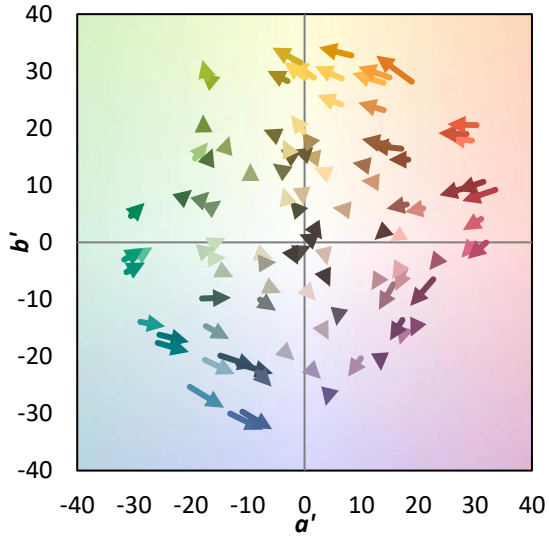


Color Vector Graphics









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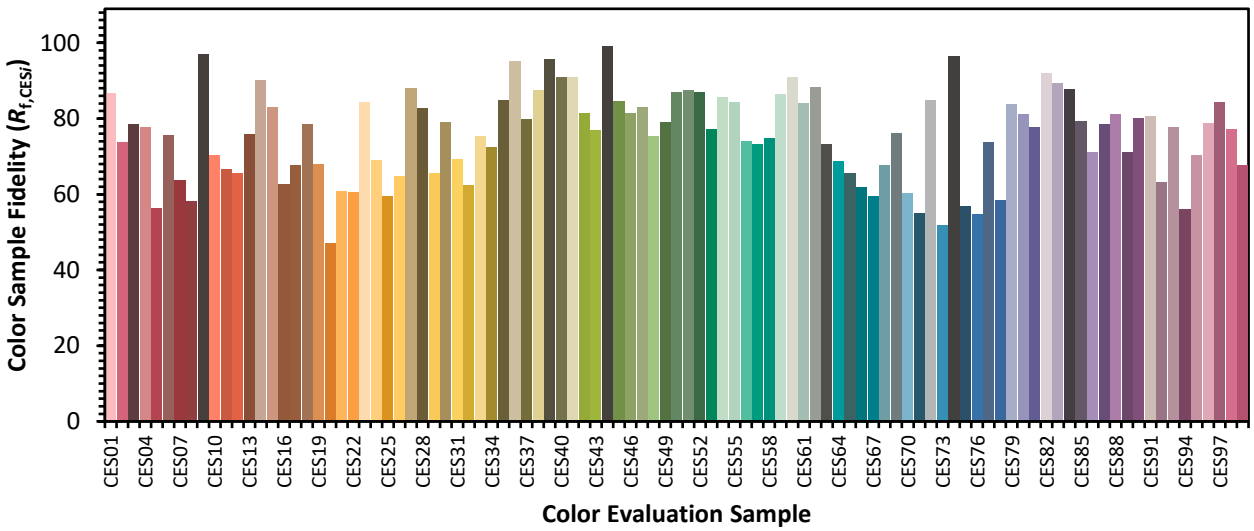
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 65	CES51 = 88	CES76 = 55
CES02 = 62	CES27 = 88	CES52 = 87	CES77 = 74
CES03 = 31	CES28 = 83	CES53 = 77	CES78 = 58
CES04 = 70	CES29 = 66	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 79	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 69	CES56 = 74	CES81 = 78
CES07 = 41	CES32 = 62	CES57 = 73	CES82 = 92
CES08 = 40	CES33 = 75	CES58 = 75	CES83 = 89
CES09 = 29	CES34 = 73	CES59 = 87	CES84 = 88
CES10 = 75	CES35 = 85	CES60 = 91	CES85 = 79
CES11 = 58	CES36 = 95	CES61 = 84	CES86 = 71
CES12 = 64	CES37 = 80	CES62 = 88	CES87 = 79
CES13 = 43	CES38 = 88	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 96	CES64 = 69	CES89 = 71
CES15 = 71	CES40 = 91	CES65 = 66	CES90 = 80
CES16 = 47	CES41 = 91	CES66 = 62	CES91 = 81
CES17 = 50	CES42 = 81	CES67 = 60	CES92 = 63
CES18 = 56	CES43 = 77	CES68 = 68	CES93 = 78
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 56
CES20 = 65	CES45 = 85	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 82	CES71 = 55	CES96 = 79
CES22 = 79	CES47 = 83	CES72 = 85	CES97 = 84
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 77
CES24 = 91	CES49 = 79	CES74 = 96	CES99 = 68
CES25 = 72	CES50 = 87	CES75 = 57	



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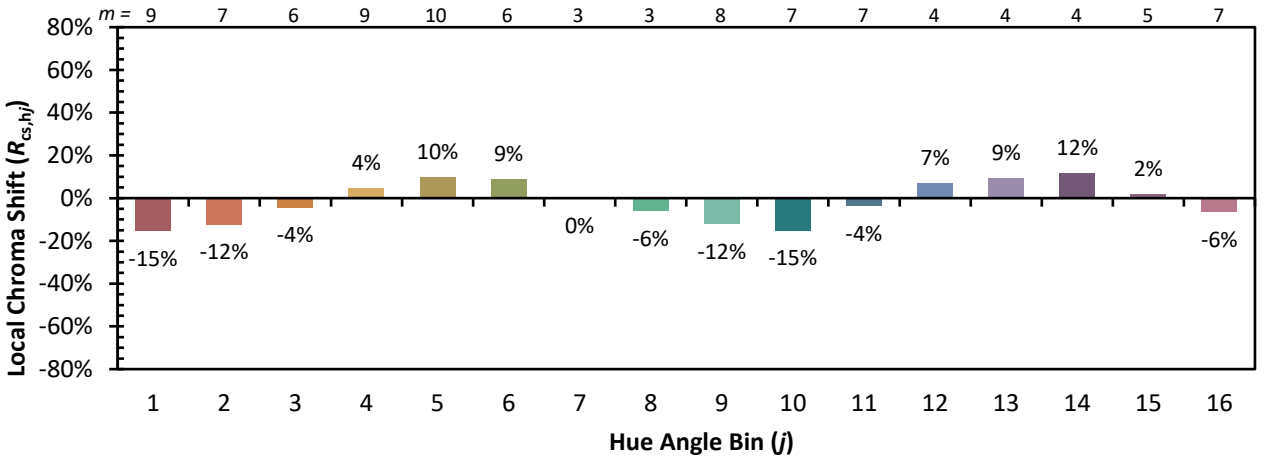
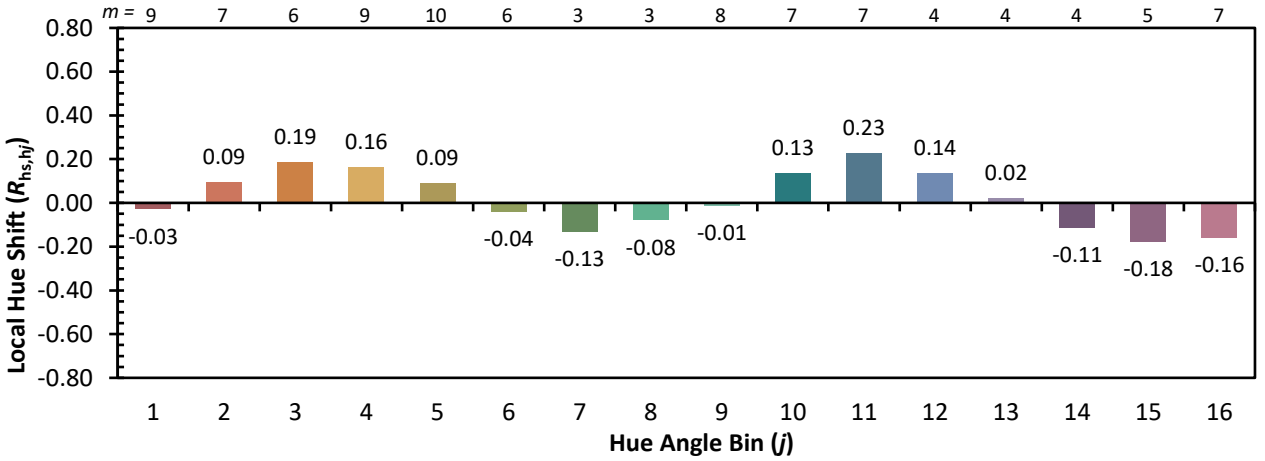
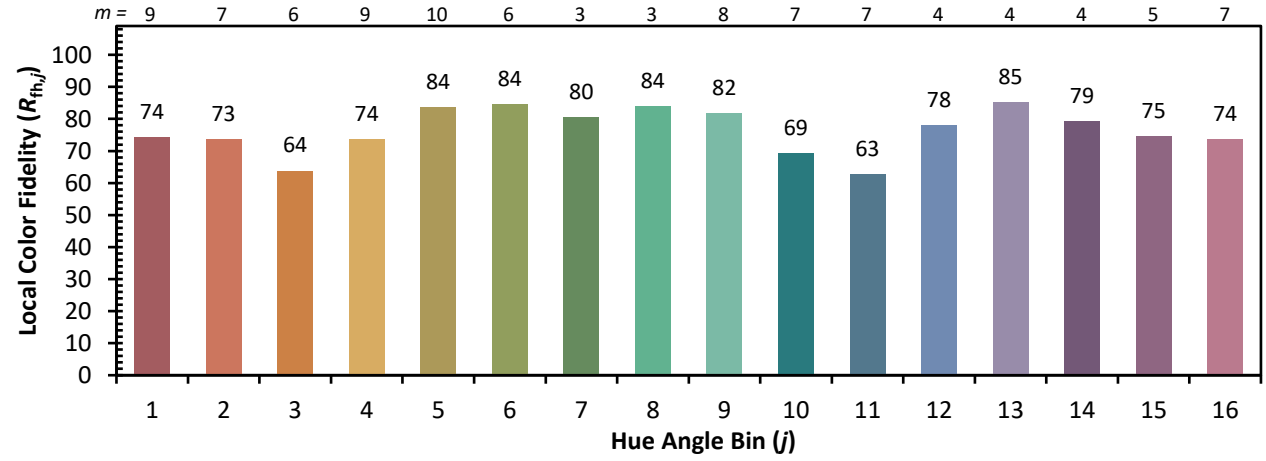
Color Rendition by Hue-Angle Bin







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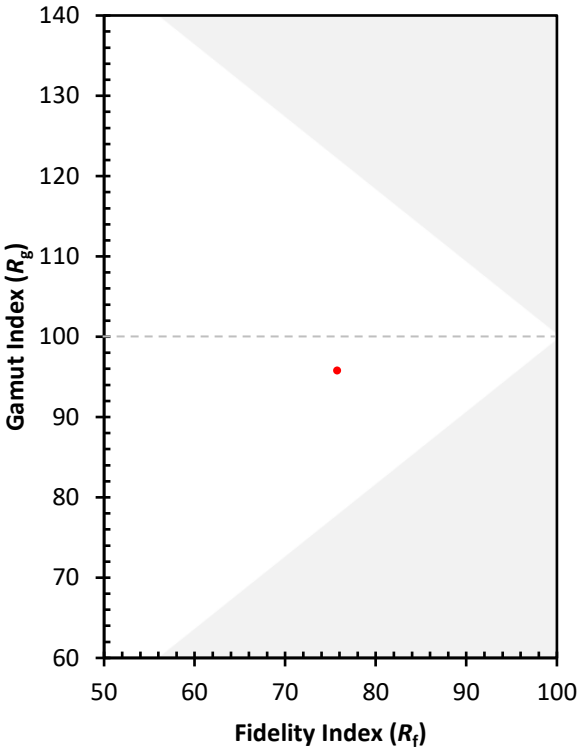
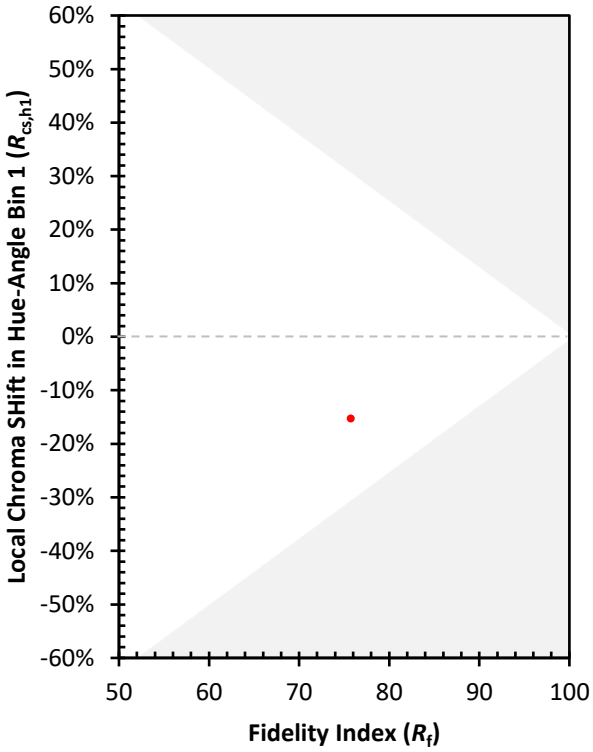
Measure Comparisons





(END OF REPORT)