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: P870210

Luminaire Tested: **MEM2-HSN-SA-60-840-U-T1**

Issue Date: 09/05/2024

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:	P870210
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	09/05/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-SA-60-840-U-T1
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 60W 80CRI 4000K FIXTURE w/ TYPE 1 DISTRIBUTION OPTIC
Light Source:	(20) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9209 lumens
Efficiency:	N/A
Efficacy:	151.0 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	61
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.89%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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Scaled Data Report

REPORT NUMBER: P870210
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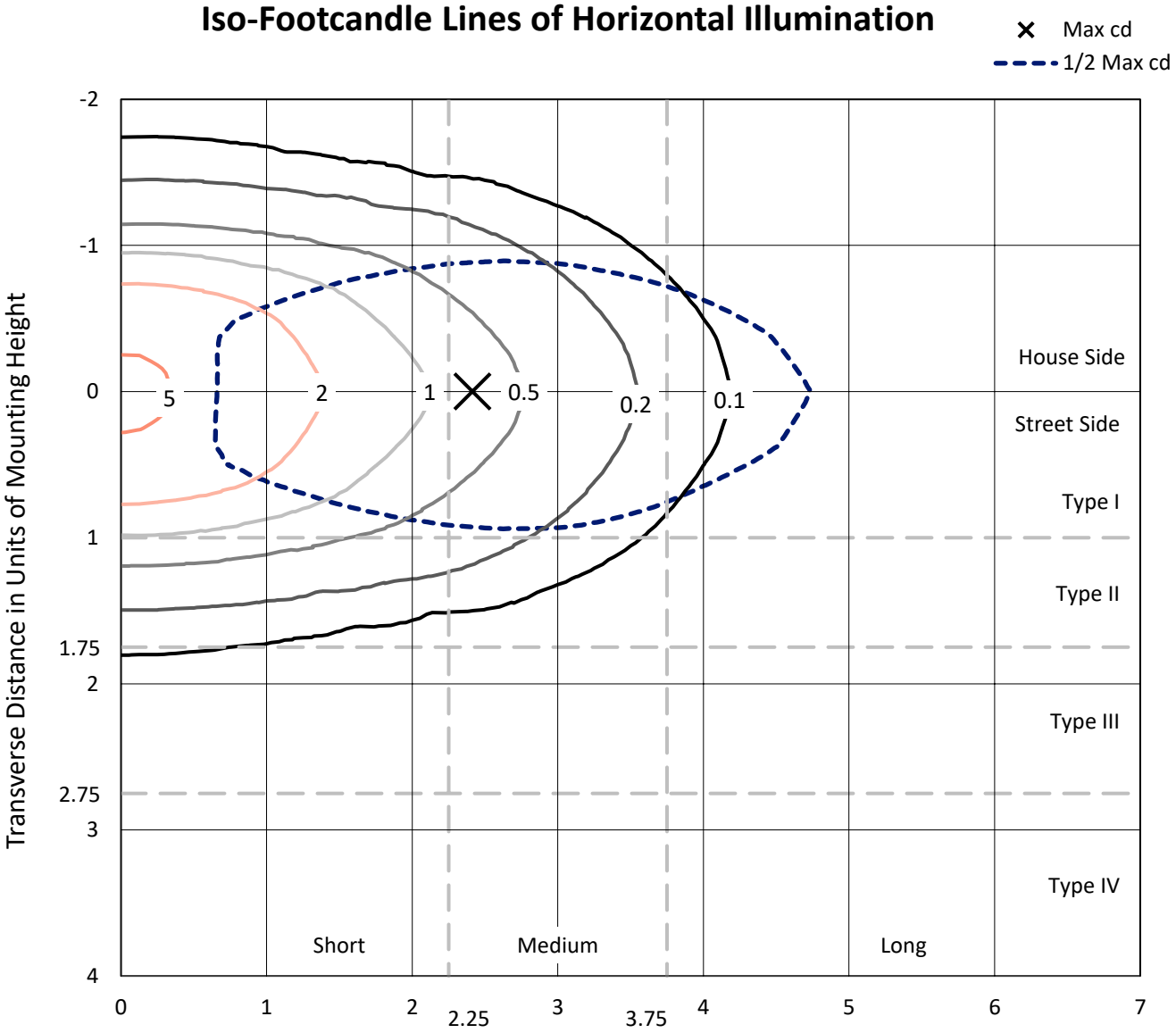
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
Type I - Short - N/A

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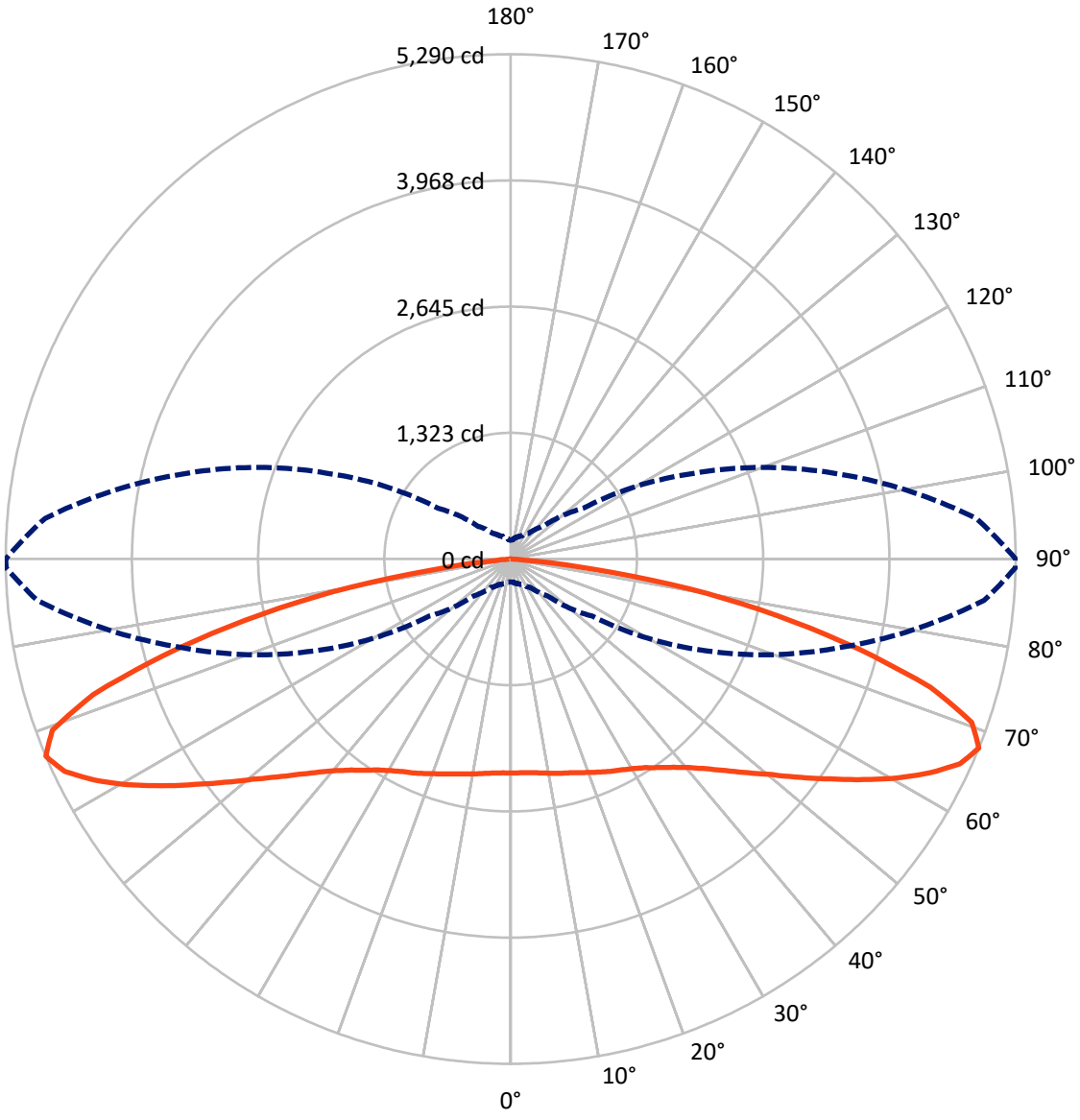
Luminous Intensity Polar Plot



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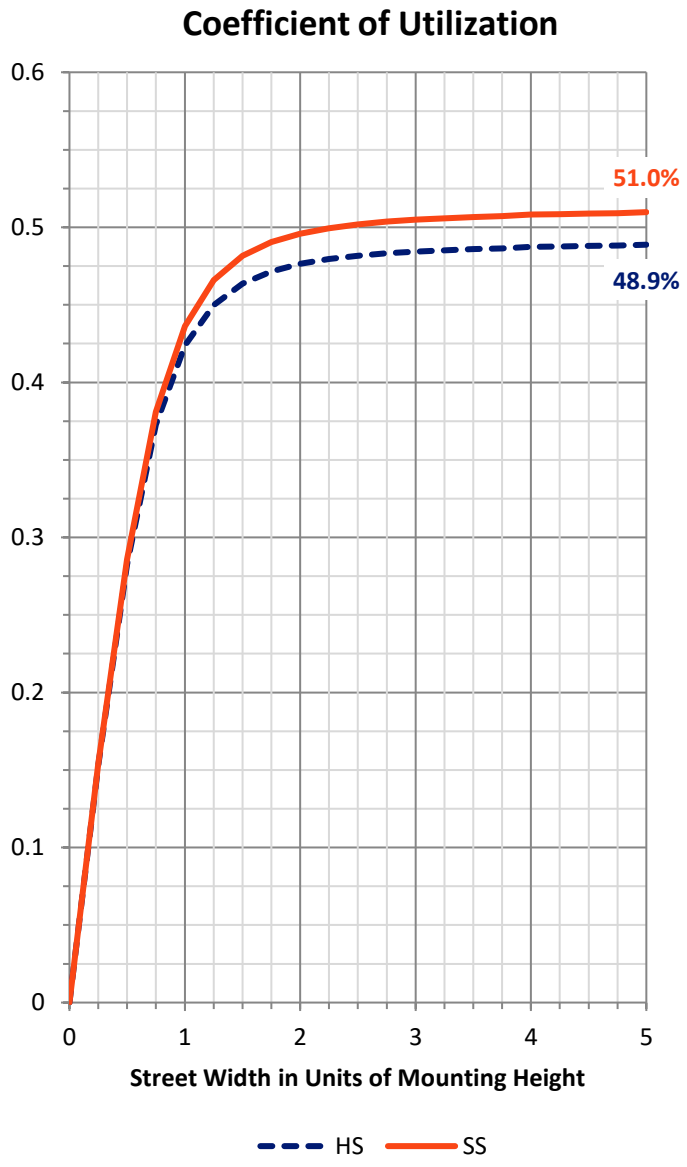
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4522.7	0.0	4522.7
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	4686.3	0.0	4686.3
	% Fixture	50.9	0.0	50.9
Total	Lumens	9209.0	0.0	9209.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.0	2.3
10°-20°	646.2	7.0
20°-30°	1069.5	11.6
30°-40°	1418.1	15.4
40°-50°	1598.9	17.4
50°-60°	1639.1	17.8
60°-70°	1548.1	16.8
70°-80°	949.9	10.3
80°-90°	124.3	1.3
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°	9209.0	100.0
0°-180°	9209.0	100.0



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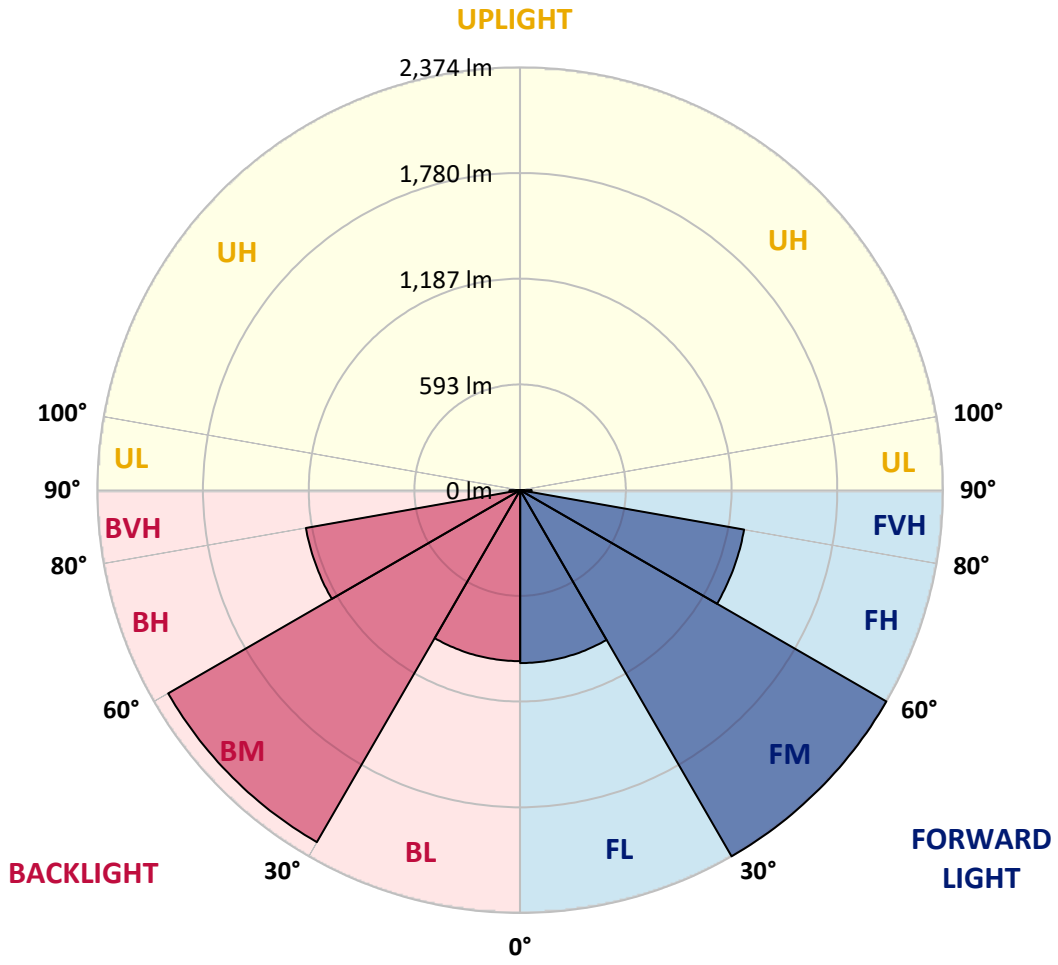
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	970.9	10.5			
FM	(30°-60°)	2374.0	25.8			
FH	(60°-80°)	1276.7	13.9			G1/1800
FVH	(80°-90°)	64.7	0.7			G1/100
BL	(0°-30°)	959.8	10.4	B2/1000		
BM	(30°-60°)	2282.1	24.8	B2/2500		
BH	(60°-80°)	1221.3	13.3	B3/2500		G3/2500
BVH	(80°-90°)	59.5	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8
2.5°	2252.6	2252.6	2247.3	2238.4	2236.7	2238.4	2249.1	2243.8	2243.8	2245.5	2243.8
5°	2252.6	2252.6	2249.1	2240.2	2240.2	2240.2	2252.6	2247.3	2249.1	2250.8	2250.8
7.5°	2256.1	2256.1	2252.6	2245.5	2245.5	2245.5	2263.2	2259.7	2259.7	2265.0	2261.4
10°	2265.0	2261.4	2257.9	2259.7	2254.4	2263.2	2272.0	2273.8	2280.9	2284.4	2282.6
12.5°	2265.0	2261.4	2252.6	2263.2	2263.2	2275.6	2288.0	2295.0	2303.9	2303.9	2303.9
15°	2254.4	2250.8	2243.8	2261.4	2268.5	2284.4	2302.1	2312.7	2328.6	2328.6	2326.9
17.5°	2242.0	2236.7	2233.1	2259.7	2275.6	2296.8	2323.3	2337.5	2355.1	2356.9	2353.4
20°	2219.0	2217.2	2219.0	2254.4	2282.6	2312.7	2344.5	2364.0	2387.0	2394.0	2388.7
22.5°	2194.2	2194.2	2201.3	2249.1	2293.3	2333.9	2376.4	2401.1	2424.1	2431.2	2424.1
25°	2160.6	2160.6	2174.8	2231.4	2296.8	2356.9	2406.4	2440.0	2461.2	2468.3	2464.8
27.5°	2109.4	2109.4	2125.3	2196.0	2286.2	2374.6	2438.2	2477.1	2500.1	2507.2	2503.7
30°	2036.9	2033.3	2054.6	2143.0	2266.7	2394.0	2475.4	2516.0	2546.1	2551.4	2546.1
32.5°	1922.0	1927.3	1959.1	2070.5	2234.9	2406.4	2519.6	2567.3	2600.9	2611.5	2608.0
35°	1782.3	1791.1	1835.3	1978.5	2174.8	2404.7	2565.5	2623.9	2668.1	2682.2	2680.5
37.5°	1616.1	1628.4	1683.3	1851.2	2084.6	2378.1	2608.0	2687.6	2745.9	2763.6	2767.1
40°	1433.9	1446.3	1517.1	1702.7	1962.6	2316.2	2632.7	2760.0	2837.8	2873.2	2878.5
42.5°	1241.2	1262.4	1347.3	1527.7	1815.9	2217.2	2632.7	2830.8	2926.2	2991.7	2997.0
45°	1055.6	1073.3	1175.8	1352.6	1658.5	2089.9	2602.7	2901.5	3046.5	3159.6	3156.1
47.5°	894.7	900.0	993.7	1172.3	1483.5	1944.9	2540.8	2965.1	3173.8	3324.1	3355.9
50°	728.5	740.8	820.4	997.2	1304.9	1785.8	2436.5	3005.8	3304.6	3532.7	3573.4
52.5°	611.8	613.5	673.7	836.3	1119.2	1593.1	2310.9	3016.4	3430.2	3759.0	3808.5
55°	498.6	507.5	558.7	680.7	940.6	1403.9	2148.3	3000.5	3545.1	3978.3	4070.2
57.5°	427.9	429.7	466.8	564.0	793.9	1202.3	1967.9	2947.5	3640.6	4220.5	4337.2
60°	367.8	367.8	396.1	470.3	641.8	1006.1	1755.7	2853.8	3693.6	4480.4	4650.2
62.5°	320.0	321.8	346.6	401.4	534.0	831.0	1522.4	2707.0	3713.1	4731.5	4926.0
65°	290.0	291.7	305.9	343.0	440.3	675.4	1283.7	2528.4	3686.5	4918.9	5171.8
67.5°	*240.5*	*242.2*	*267.0*	*295.3*	*366.0*	*542.8*	*1043.2*	*2280.9*	*3578.7*	*4977.3*	*5286.7*
70°	183.9	189.2	222.8	252.8	304.1	433.2	801.0	1953.8	3320.5	4779.2	5097.5
72.5°	153.8	155.6	180.3	213.9	254.6	339.5	608.2	1538.3	2928.0	4268.3	4621.9
75°	134.4	136.1	150.3	180.3	212.2	272.3	422.6	1062.6	2335.7	3451.4	3774.9
77.5°	122.0	123.8	127.3	152.1	178.6	210.4	298.8	631.2	1647.9	2638.0	2807.8
80°	116.7	116.7	107.9	125.5	146.8	164.4	199.8	362.5	1057.3	1778.7	1914.9
82.5°	83.1	81.3	74.3	77.8	90.2	90.2	102.6	150.3	404.9	751.5	815.1
85°	5.3	5.3	8.8	10.6	15.9	21.2	26.5	35.4	102.6	139.7	145.0
87.5°	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5	5.3	7.1	7.1
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: P870210
CATALOG NUMBER: MEM2-HSN-SA-60-840-U-T1

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8
2.5°	2242.0	2243.8	2243.8	2247.3	2250.8	2249.1	2247.3	2250.8	2245.5	2234.9	2233.1
5°	2249.1	2249.1	2247.3	2250.8	2254.4	2250.8	2247.3	2247.3	2243.8	2233.1	2231.4
7.5°	2263.2	2261.4	2261.4	2261.4	2261.4	2256.1	2250.8	2247.3	2242.0	2231.4	2226.1
10°	2282.6	2280.9	2279.1	2277.3	2268.5	2263.2	2254.4	2249.1	2242.0	2229.6	2226.1
12.5°	2303.9	2300.3	2296.8	2298.6	2280.9	2265.0	2256.1	2243.8	2238.4	2210.2	2204.9
15°	2325.1	2319.8	2318.0	2310.9	2293.3	2270.3	2252.6	2234.9	2217.2	2190.7	2181.9
17.5°	2353.4	2349.8	2339.2	2332.2	2307.4	2275.6	2249.1	2224.3	2201.3	2169.5	2164.2
20°	2387.0	2383.4	2372.8	2358.7	2326.9	2288.0	2250.8	2211.9	2183.6	2146.5	2137.7
22.5°	2424.1	2418.8	2410.0	2394.0	2353.4	2307.4	2256.1	2204.9	2162.4	2120.0	2114.7
25°	2463.0	2459.5	2450.6	2427.6	2383.4	2326.9	2256.1	2180.1	2127.1	2089.9	2074.0
27.5°	2500.1	2498.4	2487.8	2461.2	2415.3	2341.0	2240.2	2139.4	2068.7	2019.2	2008.6
30°	2547.9	2544.3	2532.0	2501.9	2450.6	2349.8	2208.4	2070.5	1982.1	1927.3	1911.3
32.5°	2606.2	2602.7	2585.0	2547.9	2493.1	2351.6	2162.4	1982.1	1865.4	1807.0	1787.6
35°	2684.0	2676.9	2654.0	2609.8	2533.7	2333.9	2081.1	1868.9	1725.7	1649.7	1623.1
37.5°	2768.9	2760.0	2730.0	2675.2	2562.0	2286.2	1966.2	1716.8	1554.2	1464.0	1444.6
40°	2873.2	2860.8	2814.9	2738.8	2572.6	2203.1	1837.1	1561.3	1388.0	1289.0	1266.0
42.5°	3004.0	2982.8	2908.6	2809.6	2551.4	2089.9	1683.3	1400.4	1202.3	1110.4	1105.1
45°	3161.4	3127.8	3016.4	2878.5	2505.4	1948.5	1520.6	1220.0	1030.8	940.6	917.7
47.5°	3347.1	3306.4	3142.0	2931.6	2415.3	1803.5	1345.5	1045.0	871.7	779.7	762.1
50°	3552.2	3513.3	3274.6	2961.6	2318.0	1633.7	1174.0	889.4	716.1	640.1	640.1
52.5°	3801.5	3713.1	3401.9	2965.1	2169.5	1446.3	1009.6	737.3	601.2	534.0	519.8
55°	4066.7	3962.4	3516.8	2933.3	2015.7	1274.8	832.8	613.5	493.3	445.6	433.2
57.5°	4362.0	4202.8	3599.9	2869.7	1821.2	1087.4	694.9	505.7	415.5	376.6	371.3
60°	4659.0	4453.9	3649.4	2761.8	1614.3	914.1	578.2	422.6	357.2	328.9	323.6
62.5°	4934.8	4659.0	3652.9	2604.4	1412.7	762.1	473.9	364.2	316.5	295.3	295.3
65°	5173.5	4830.5	3592.8	2402.9	1156.4	611.8	390.8	307.7	275.8	252.8	247.5
67.5°	5290.2	4895.9	3486.7	2127.1	926.5	484.5	328.9	267.0	236.9	201.6	198.0
70°	5125.8	4706.7	3214.5	1773.4	716.1	385.5	274.1	228.1	198.0	168.0	164.4
72.5°	4600.7	4202.8	2774.2	1373.8	539.3	311.2	228.1	194.5	162.7	146.8	143.2
75°	3764.3	3495.6	2192.5	945.9	376.6	244.0	191.0	164.4	137.9	130.8	129.1
77.5°	2857.3	2599.1	1601.9	592.3	258.1	191.0	162.7	139.7	120.2	125.5	122.0
80°	1907.8	1789.3	1064.4	335.9	173.3	139.7	123.8	102.6	91.9	106.1	102.6
82.5°	866.4	820.4	500.4	146.8	77.8	60.1	42.4	31.8	24.8	23.0	26.5
85°	145.0	127.3	35.4	15.9	8.8	5.3	3.5	3.5	1.8	1.8	1.8
87.5°	7.1	5.3	5.3	3.5	1.8	1.8	1.8	1.8	1.8	0.0	0.0
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: SP1-2407-157-8

Test Date: 09/05/2024

Luminaire Tested: MEM2-HTN-SA-30-840-U-5WQ

Data in this report applies to families of products including MEM2-HTN-SA-30-840-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

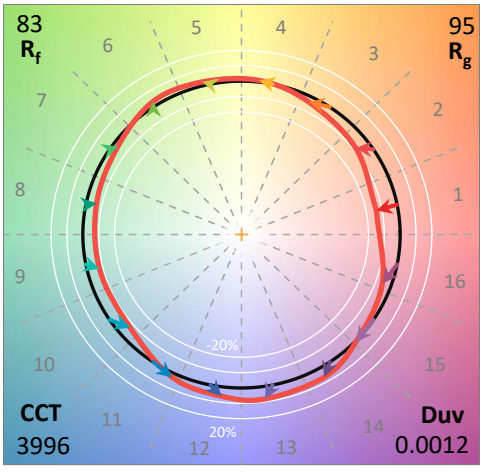
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	09/05/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-SA-30-840-U-5WQ**
Description:	Epic Modern Light Square 30W 5WQ Optic

Spectral Parameters

CCT (K):	3996
CIE u':	0.2245
CIE v':	0.5031
Duv:	0.0012
CIE x:	0.3815
CIE y:	0.3799
CIE z:	0.2386
Peak Wavelength (nm):	449
Dominant Wavelength (nm):	578
Purity:	28.49233
Rf:	82.6
Rg:	95.1

CRI (Ra):	80.6
R1:	78.1
R2:	87.1
R3:	94.5
R4:	79.7
R5:	78.7
R6:	82.7
R7:	84.3
R8:	59.5
R9:	-5.8
R10:	70.3
R11:	78.7
R12:	60.5
R13:	80.2
R14:	97.2
R15:	70.6



Test Conditions

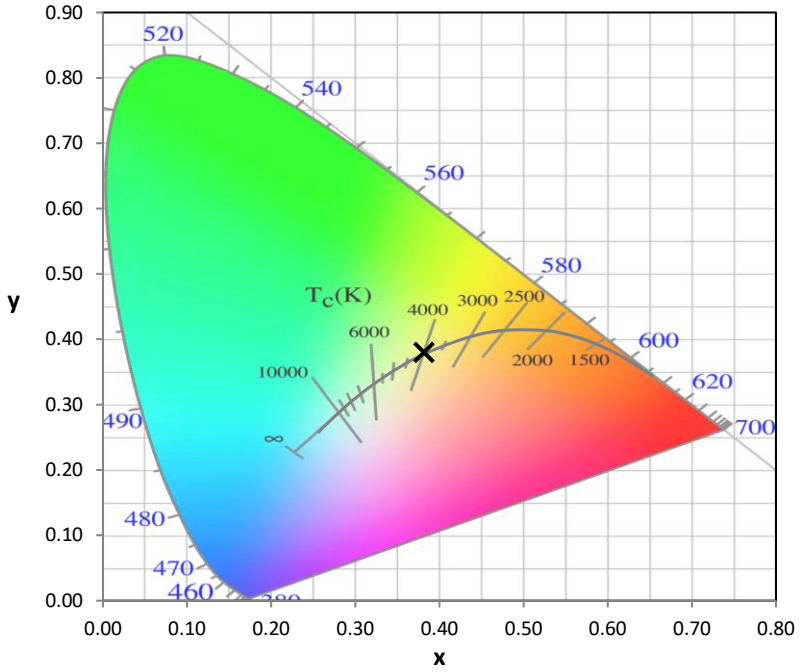
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	24.3

REPORT NUMBER: SP1-2407-157-8

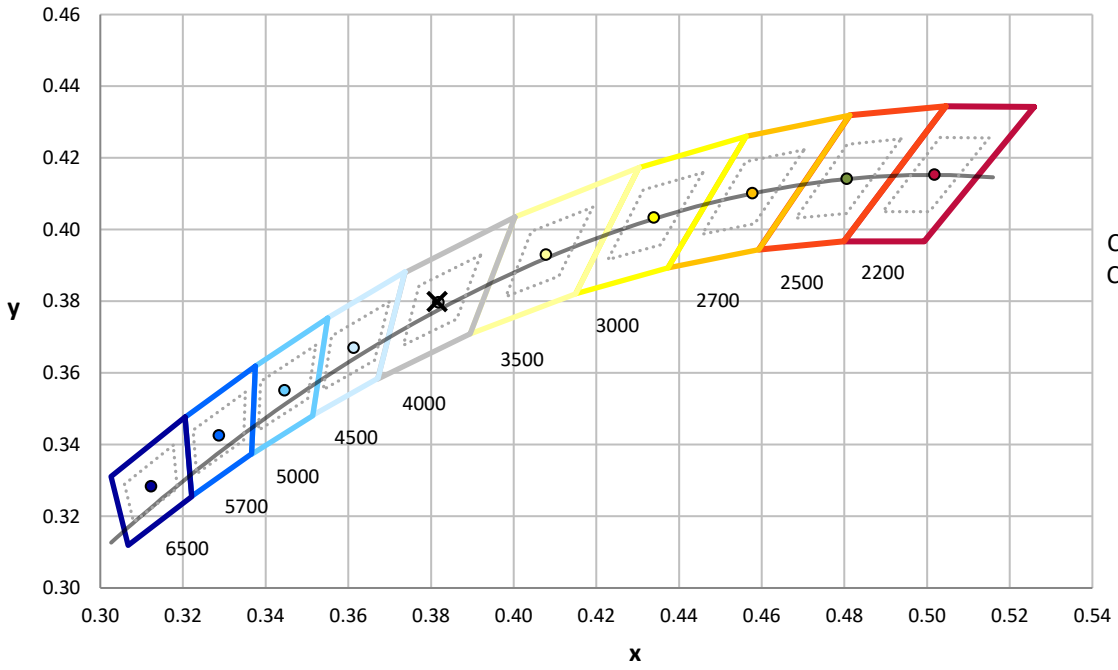
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-8

CIE 1931 Chromaticity Diagram



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

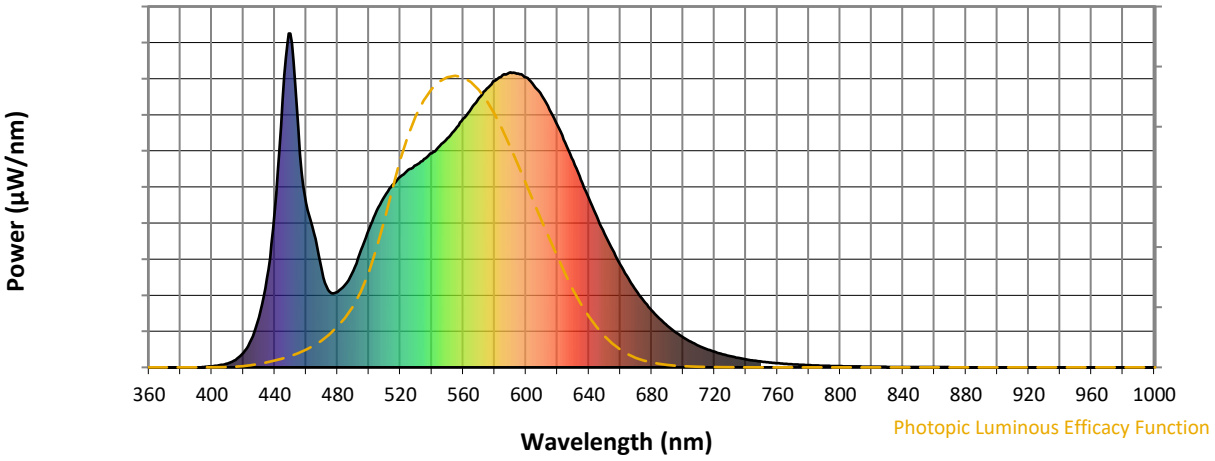


CCT = 3996K
CIE x = 0.3815
CIE y = 0.3799
Duv = 0.0012

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-8

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	289	NR	620	725	NR	750	17	NR	880	0	NR
365	0	NR	495	351	NR	625	673	NR	755	15	NR	885	0	NR
370	0	NR	500	414	NR	630	619	NR	760	13	NR	890	0	NR
375	0	NR	505	470	NR	635	562	NR	765	11	NR	895	0	NR
380	0	NR	510	513	NR	640	506	NR	770	9	NR	900	0	NR
385	0	NR	515	546	NR	645	452	NR	775	8	NR	905	0	NR
390	0	NR	520	571	NR	650	400	NR	780	7	NR	910	0	NR
395	1	NR	525	592	NR	655	352	NR	785	6	NR	915	0	NR
400	3	NR	530	606	NR	660	307	NR	790	5	NR	920	0	NR
405	6	NR	535	624	NR	665	267	NR	795	4	NR	925	0	NR
410	12	NR	540	642	NR	670	231	NR	800	4	NR	930	0	NR
415	22	NR	545	663	NR	675	199	NR	805	3	NR	935	0	NR
420	44	NR	550	686	NR	680	171	NR	810	3	NR	940	0	NR
425	83	NR	555	713	NR	685	146	NR	815	2	NR	945	0	NR
430	150	NR	560	745	NR	690	125	NR	820	2	NR	950	0	NR
435	267	NR	565	774	NR	695	106	NR	825	2	NR	955	0	NR
440	466	NR	570	806	NR	700	90	NR	830	1	NR	960	0	NR
445	804	NR	575	835	NR	705	76	NR	835	1	NR	965	0	NR
450	1000	NR	580	858	NR	710	65	NR	840	1	NR	970	0	NR
455	715	NR	585	875	NR	715	55	NR	845	1	NR	975	0	NR
460	492	NR	590	884	NR	720	47	NR	850	1	NR	980	0	NR
465	402	NR	595	880	NR	725	40	NR	855	1	NR	985	0	NR
470	288	NR	600	868	NR	730	34	NR	860	1	NR	990	0	NR
475	226	NR	605	844	NR	735	28	NR	865	1	NR	995	0	NR
480	227	NR	610	814	NR	740	24	NR	870	0	NR	1000	0	NR
485	248	NR	615	771	NR	745	20	NR	875	0	NR			

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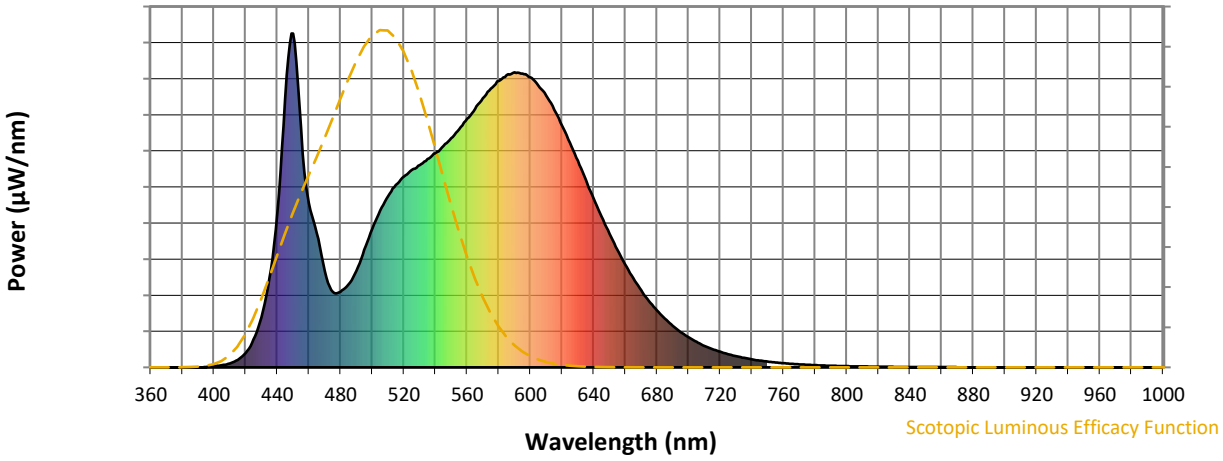
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.66**

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	289	NR	620	725	NR	750	17	NR	880	0	NR
365	0	NR	495	351	NR	625	673	NR	755	15	NR	885	0	NR
370	0	NR	500	414	NR	630	619	NR	760	13	NR	890	0	NR
375	0	NR	505	470	NR	635	562	NR	765	11	NR	895	0	NR
380	0	NR	510	513	NR	640	506	NR	770	9	NR	900	0	NR
385	0	NR	515	546	NR	645	452	NR	775	8	NR	905	0	NR
390	0	NR	520	571	NR	650	400	NR	780	7	NR	910	0	NR
395	1	NR	525	592	NR	655	352	NR	785	6	NR	915	0	NR
400	3	NR	530	606	NR	660	307	NR	790	5	NR	920	0	NR
405	6	NR	535	624	NR	665	267	NR	795	4	NR	925	0	NR
410	12	NR	540	642	NR	670	231	NR	800	4	NR	930	0	NR
415	22	NR	545	663	NR	675	199	NR	805	3	NR	935	0	NR
420	44	NR	550	686	NR	680	171	NR	810	3	NR	940	0	NR
425	83	NR	555	713	NR	685	146	NR	815	2	NR	945	0	NR
430	150	NR	560	745	NR	690	125	NR	820	2	NR	950	0	NR
435	267	NR	565	774	NR	695	106	NR	825	2	NR	955	0	NR
440	466	NR	570	806	NR	700	90	NR	830	1	NR	960	0	NR
445	804	NR	575	835	NR	705	76	NR	835	1	NR	965	0	NR
450	1000	NR	580	858	NR	710	65	NR	840	1	NR	970	0	NR
455	715	NR	585	875	NR	715	55	NR	845	1	NR	975	0	NR
460	492	NR	590	884	NR	720	47	NR	850	1	NR	980	0	NR
465	402	NR	595	880	NR	725	40	NR	855	1	NR	985	0	NR
470	288	NR	600	868	NR	730	34	NR	860	1	NR	990	0	NR
475	226	NR	605	844	NR	735	28	NR	865	1	NR	995	0	NR
480	227	NR	610	814	NR	740	24	NR	870	0	NR	1000	0	NR
485	248	NR	615	771	NR	745	20	NR	875	0	NR			

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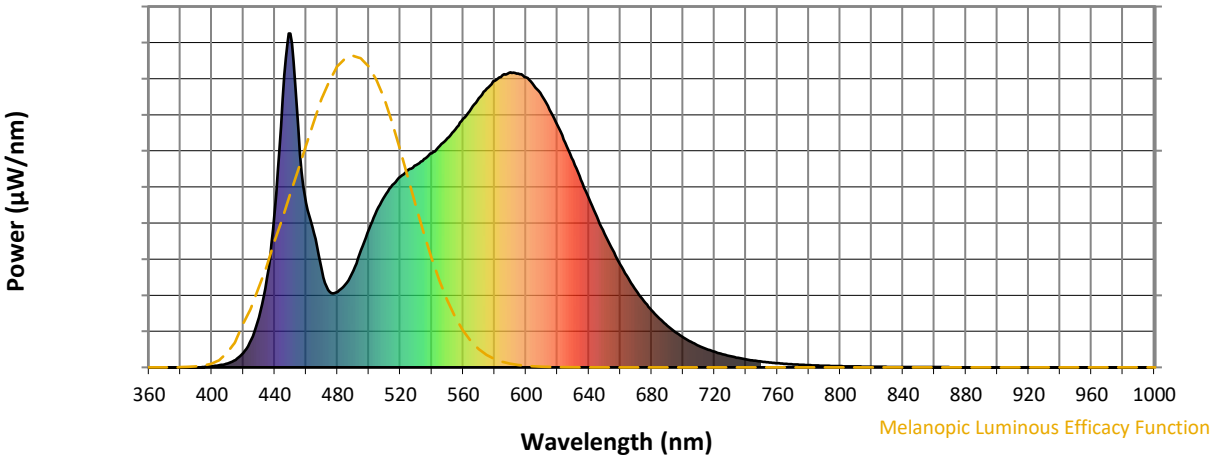
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	289	NR	620	725	NR	750	17	NR	880	0	NR
365	0	NR	495	351	NR	625	673	NR	755	15	NR	885	0	NR
370	0	NR	500	414	NR	630	619	NR	760	13	NR	890	0	NR
375	0	NR	505	470	NR	635	562	NR	765	11	NR	895	0	NR
380	0	NR	510	513	NR	640	506	NR	770	9	NR	900	0	NR
385	0	NR	515	546	NR	645	452	NR	775	8	NR	905	0	NR
390	0	NR	520	571	NR	650	400	NR	780	7	NR	910	0	NR
395	1	NR	525	592	NR	655	352	NR	785	6	NR	915	0	NR
400	3	NR	530	606	NR	660	307	NR	790	5	NR	920	0	NR
405	6	NR	535	624	NR	665	267	NR	795	4	NR	925	0	NR
410	12	NR	540	642	NR	670	231	NR	800	4	NR	930	0	NR
415	22	NR	545	663	NR	675	199	NR	805	3	NR	935	0	NR
420	44	NR	550	686	NR	680	171	NR	810	3	NR	940	0	NR
425	83	NR	555	713	NR	685	146	NR	815	2	NR	945	0	NR
430	150	NR	560	745	NR	690	125	NR	820	2	NR	950	0	NR
435	267	NR	565	774	NR	695	106	NR	825	2	NR	955	0	NR
440	466	NR	570	806	NR	700	90	NR	830	1	NR	960	0	NR
445	804	NR	575	835	NR	705	76	NR	835	1	NR	965	0	NR
450	1000	NR	580	858	NR	710	65	NR	840	1	NR	970	0	NR
455	715	NR	585	875	NR	715	55	NR	845	1	NR	975	0	NR
460	492	NR	590	884	NR	720	47	NR	850	1	NR	980	0	NR
465	402	NR	595	880	NR	725	40	NR	855	1	NR	985	0	NR
470	288	NR	600	868	NR	730	34	NR	860	1	NR	990	0	NR
475	226	NR	605	844	NR	735	28	NR	865	1	NR	995	0	NR
480	227	NR	610	814	NR	740	24	NR	870	0	NR	1000	0	NR
485	248	NR	615	771	NR	745	20	NR	875	0	NR			

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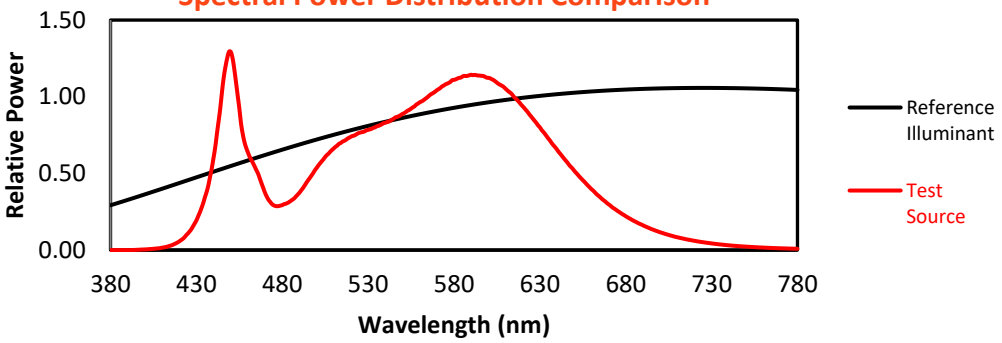
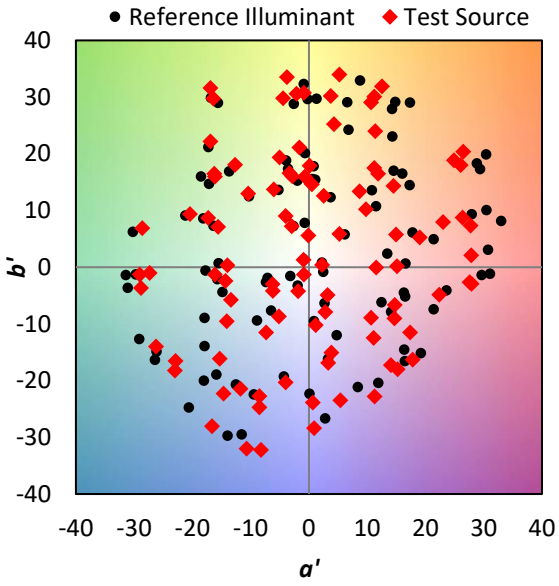
Summary

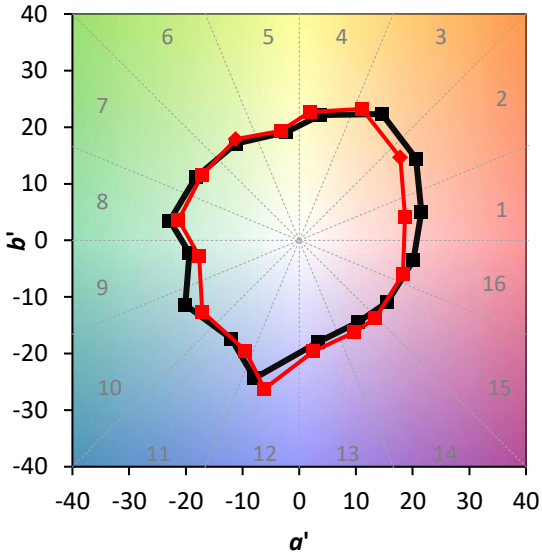
R_f = 82.6
R_g = 95.1
CIE R_a = 80.6
R_9 = -5.8

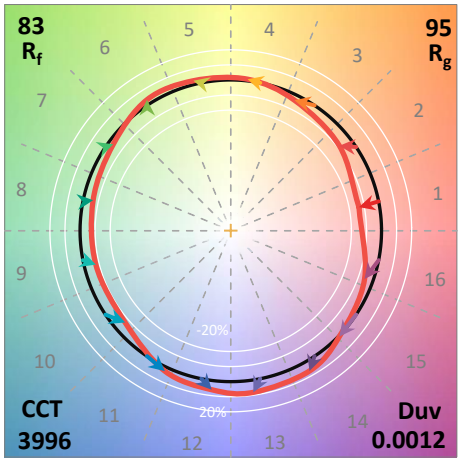
Spectral Power Distribution Comparison

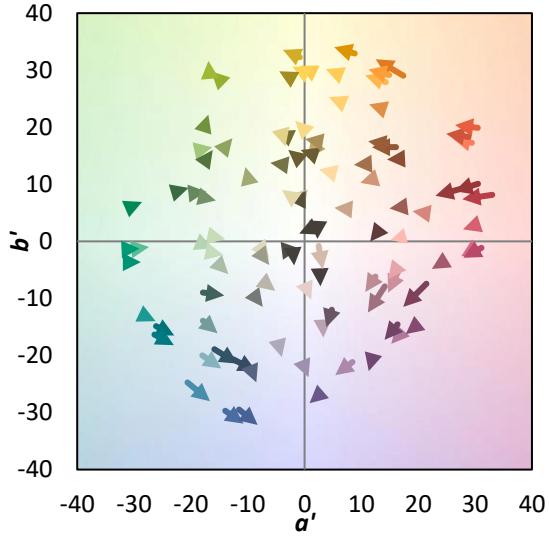


Color Vector Graphics









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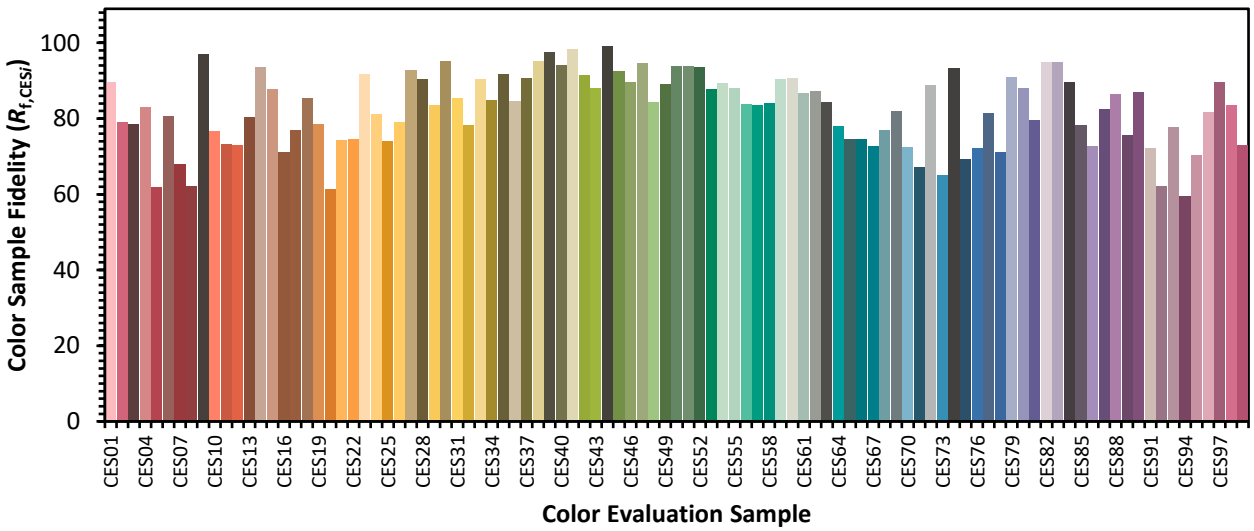
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 79	CES51 = 94	CES76 = 72
CES02 = 61	CES27 = 93	CES52 = 94	CES77 = 82
CES03 = 31	CES28 = 90	CES53 = 88	CES78 = 71
CES04 = 69	CES29 = 83	CES54 = 89	CES79 = 91
CES05 = 48	CES30 = 95	CES55 = 88	CES80 = 88
CES06 = 50	CES31 = 86	CES56 = 84	CES81 = 80
CES07 = 40	CES32 = 78	CES57 = 84	CES82 = 95
CES08 = 39	CES33 = 90	CES58 = 84	CES83 = 95
CES09 = 29	CES34 = 85	CES59 = 90	CES84 = 90
CES10 = 74	CES35 = 92	CES60 = 91	CES85 = 78
CES11 = 57	CES36 = 85	CES61 = 87	CES86 = 73
CES12 = 63	CES37 = 91	CES62 = 87	CES87 = 83
CES13 = 42	CES38 = 95	CES63 = 84	CES88 = 86
CES14 = 74	CES39 = 98	CES64 = 78	CES89 = 76
CES15 = 71	CES40 = 94	CES65 = 75	CES90 = 87
CES16 = 46	CES41 = 98	CES66 = 75	CES91 = 72
CES17 = 49	CES42 = 92	CES67 = 73	CES92 = 62
CES18 = 56	CES43 = 88	CES68 = 77	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 82	CES94 = 60
CES20 = 65	CES45 = 93	CES70 = 72	CES95 = 70
CES21 = 86	CES46 = 90	CES71 = 67	CES96 = 82
CES22 = 78	CES47 = 95	CES72 = 89	CES97 = 90
CES23 = 91	CES48 = 84	CES73 = 65	CES98 = 84
CES24 = 90	CES49 = 89	CES74 = 93	CES99 = 73
CES25 = 71	CES50 = 94	CES75 = 69	



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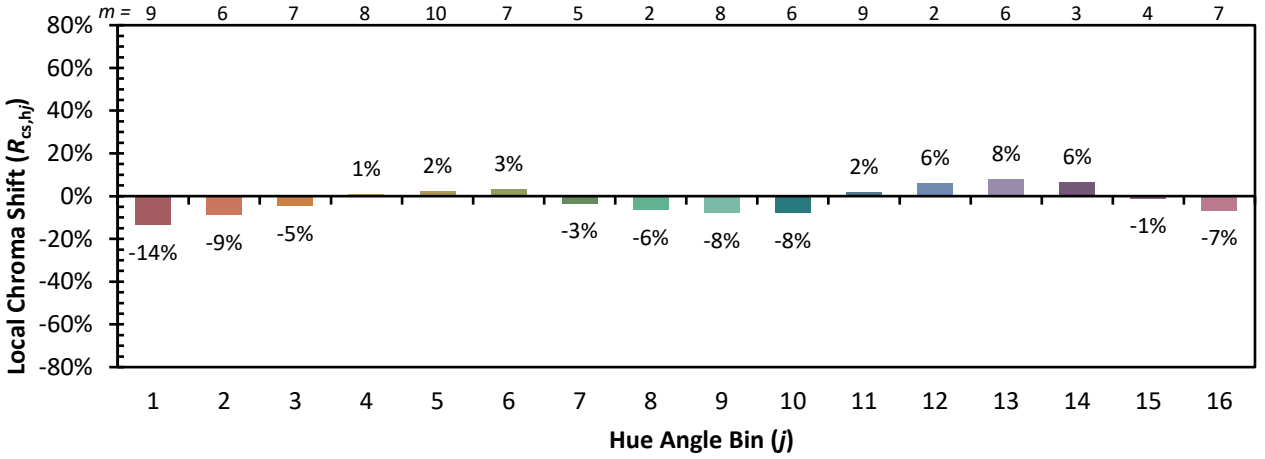
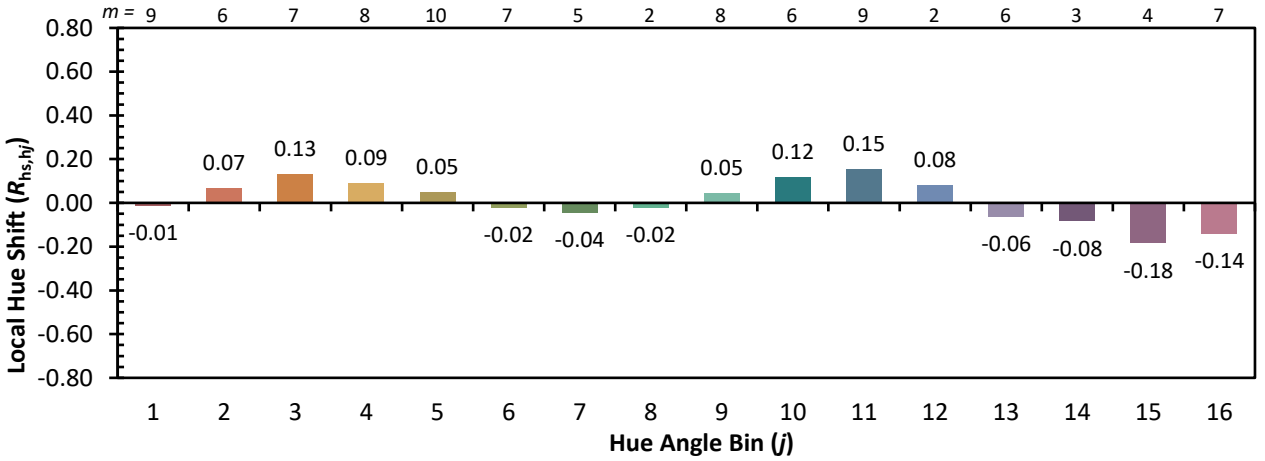
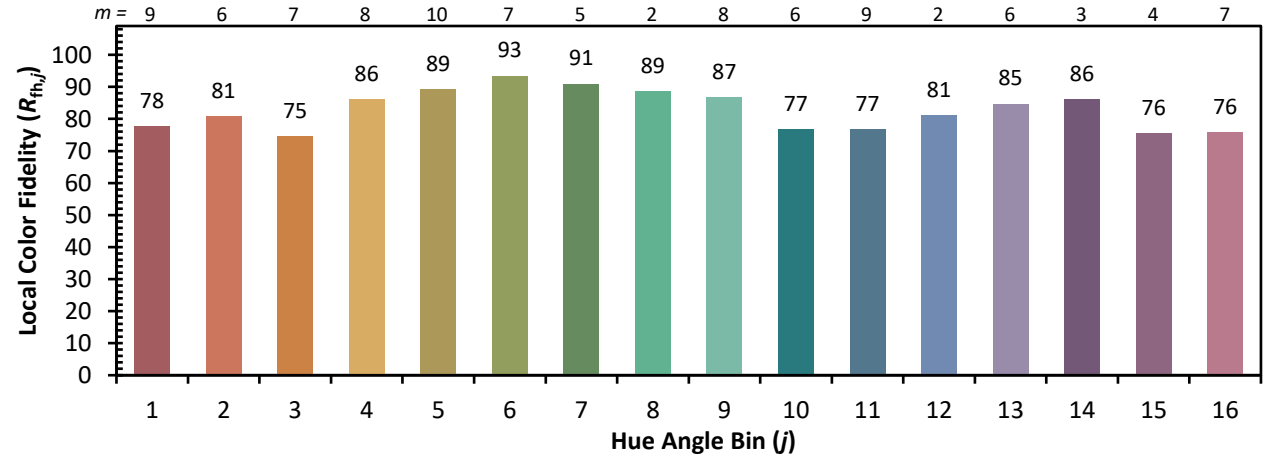
Color Rendition by Hue-Angle Bin







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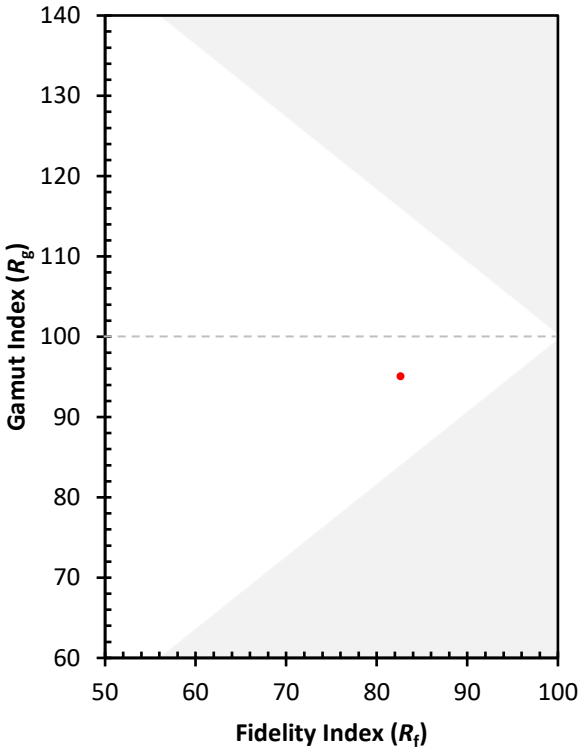
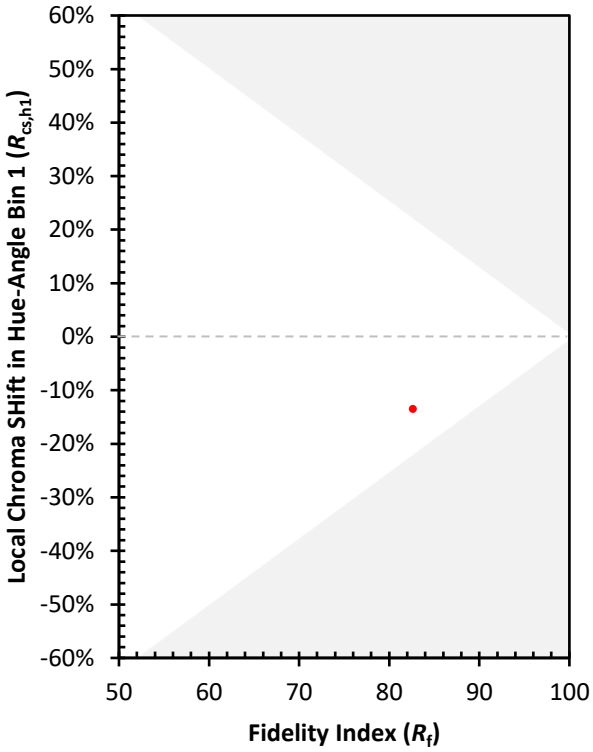
Measure Comparisons





(END OF REPORT)