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: P867887

Luminaire Tested: **MEM2-HSN-SA-100-722-U-T2R**

Issue Date: 08/21/2024

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:	P867887
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-SA-100-722-U-T2R
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 100W 70CRI 2200K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(20) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11898.3 lumens
Efficiency:	N/A
Efficacy:	117.8 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	101
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.45%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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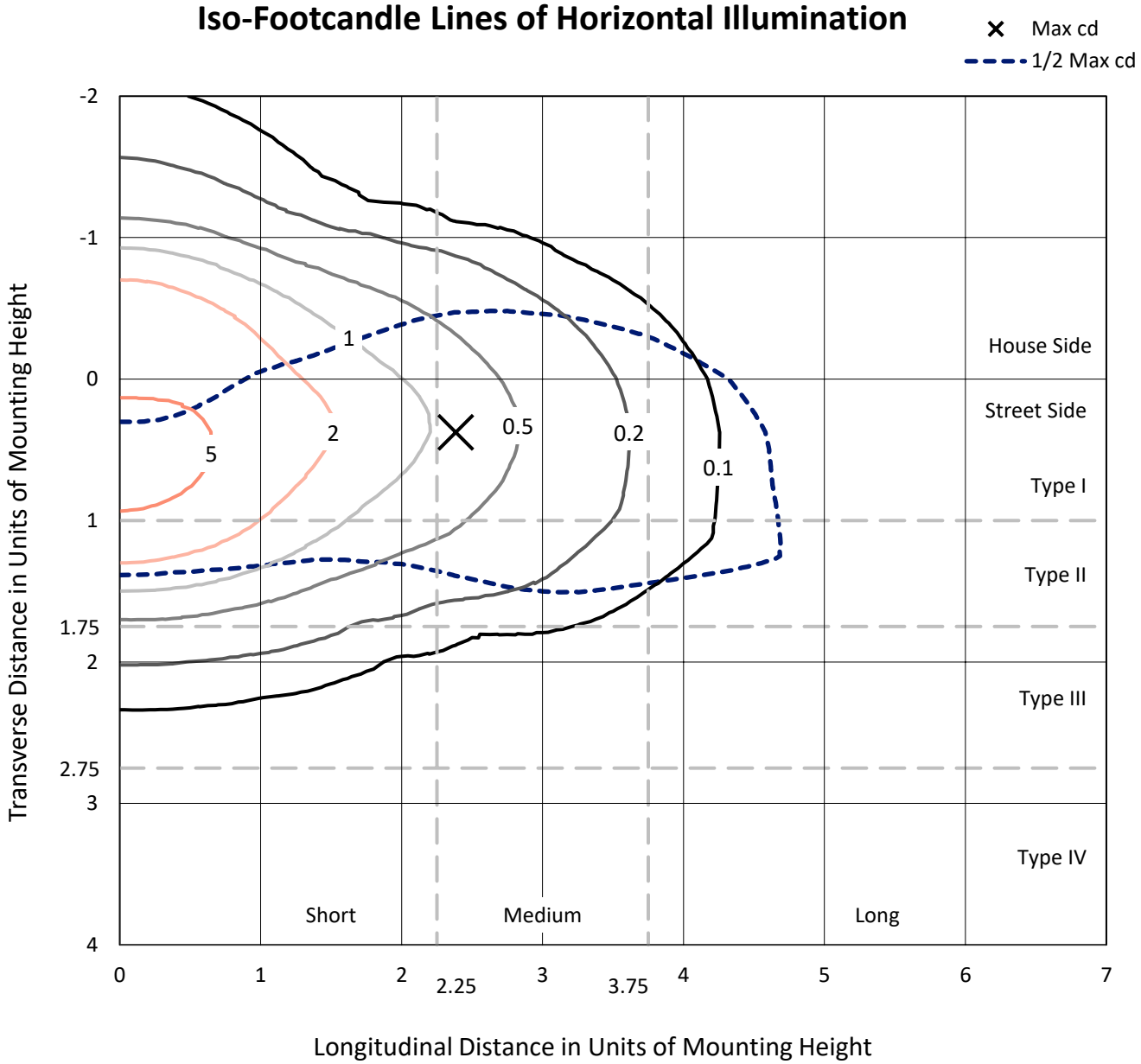
REPORT NUMBER: P867887
CATALOG NUMBER: MEM2-HSN-SA-100-722-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 7.6 fc
Type II - Medium - N/A

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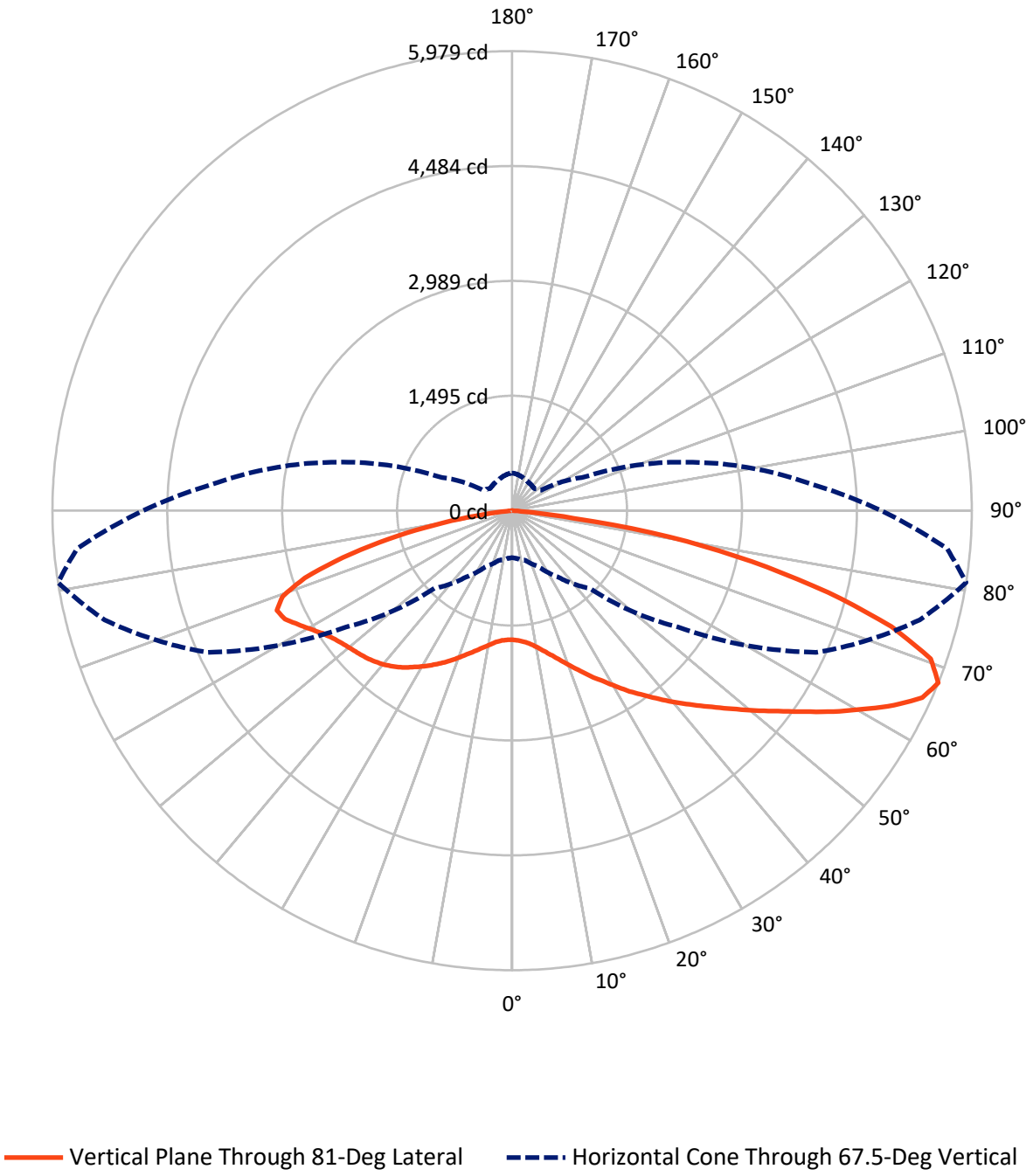
Luminous Intensity Polar Plot



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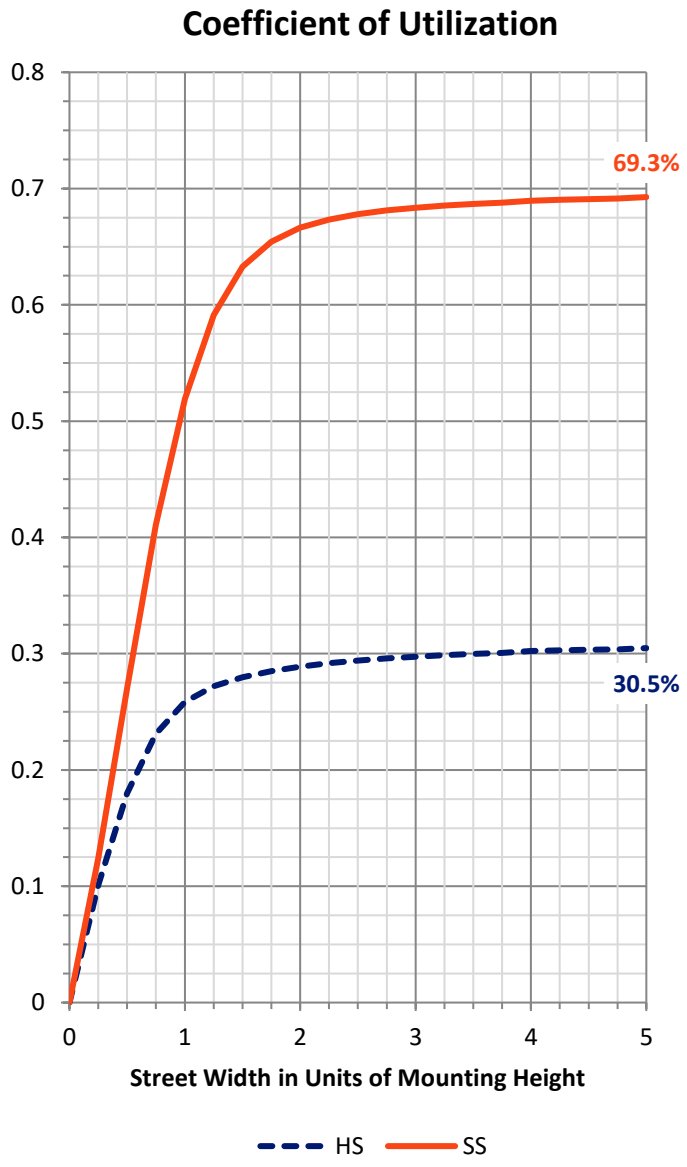
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3645.9	0.0	3645.9
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	8252.4	0.0	8252.4
	% Fixture	69.4	0.0	69.4
Total	Lumens	11898.3	0.0	11898.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.3	1.4
10°-20°	608.1	5.1
20°-30°	1211.1	10.2
30°-40°	1902.7	16.0
40°-50°	2359.7	19.8
50°-60°	2306.7	19.4
60°-70°	1939.8	16.3
70°-80°	1232.6	10.4
80°-90°	166.4	1.4
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°	11898.3	100.0
0°-180°	11898.3	100.0



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REPORT NUMBER: P867887
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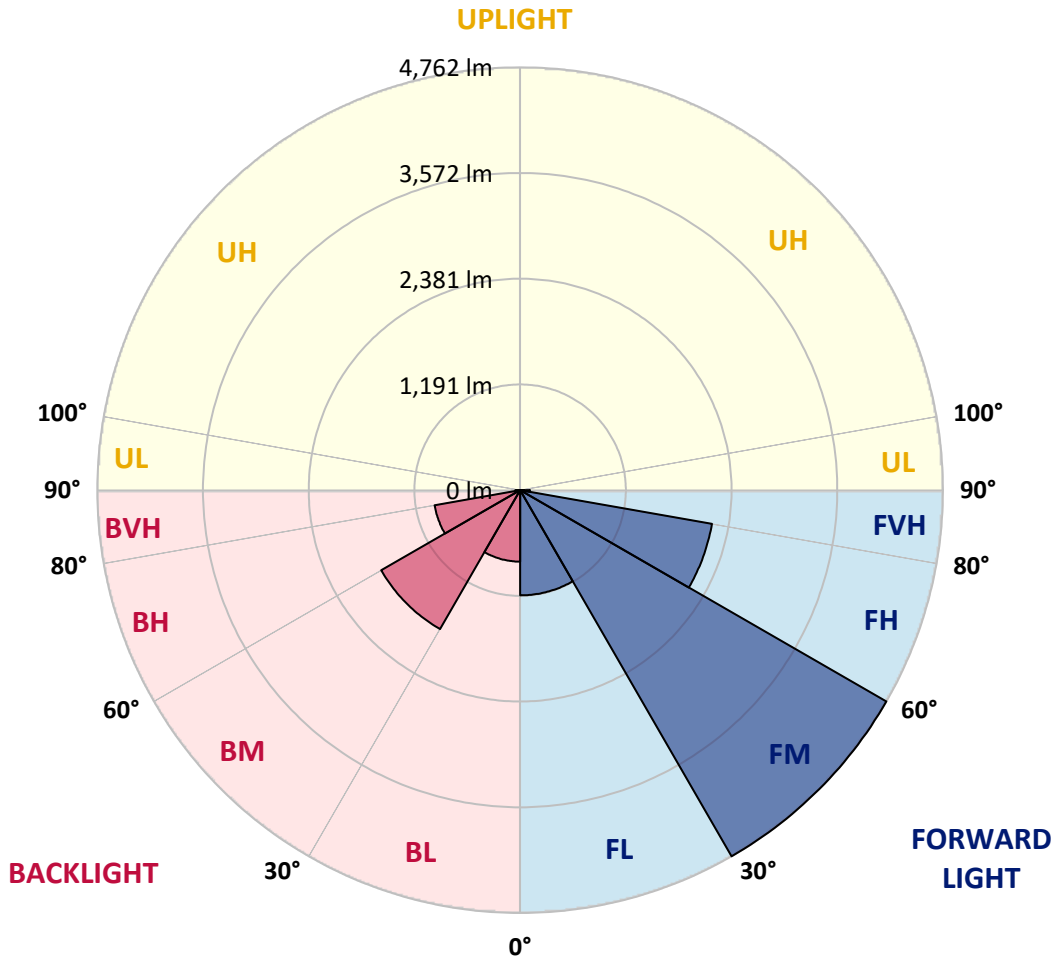
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1185.2	10.0			
FM	(30°-60°)	4762.1	40.0			
FH	(60°-80°)	2193.7	18.4			G2/5000
FVH	(80°-90°)	111.5	0.9			G2/225
BL	(0°-30°)	805.3	6.8	B2/1000		
BM	(30°-60°)	1807.0	15.2	B2/2500		
BH	(60°-80°)	978.7	8.2	B2/1000		G2/1000
BVH	(80°-90°)	54.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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REPORT NUMBER: P867887
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	1679.8	1679.8	1679.8	1679.8	1679.8	1679.8	1679.8	1679.8	1679.8	*1679.8*	1679.8
2.5°	1738.8	1736.5	1736.5	1717.6	1717.6	1712.9	1715.2	1701.1	1694.0	*1691.6*	1689.3
5°	1863.9	1863.9	1849.7	1837.9	1814.3	1793.1	1774.2	1745.9	1724.7	*1715.2*	1708.1
7.5°	2052.6	2038.4	2033.7	1998.3	1948.8	1906.3	1868.6	1807.2	1767.1	*1753.0*	1743.5
10°	2283.8	2264.9	2229.5	2189.4	2125.7	2062.0	1986.5	1904.0	1837.9	*1809.6*	1797.8
12.5°	2522.1	2496.2	2446.6	2408.9	2326.3	2229.5	2123.4	2010.1	1918.1	*1878.0*	1856.8
15°	2784.0	2769.8	2710.8	2635.4	2538.6	2401.8	2269.7	2130.5	2012.5	*1955.9*	1920.5
17.5°	3067.1	3045.9	2982.2	2890.2	2753.3	2590.5	2437.2	2257.9	2121.0	*2047.9*	2007.8
20°	3345.5	3340.8	3246.4	3159.1	2998.7	2795.8	2597.6	2408.9	2236.6	*2151.7*	2099.8
22.5°	3656.9	3626.3	3543.7	3421.0	3229.9	3043.5	2809.9	2564.6	2361.7	*2262.6*	2203.6
25°	3980.2	3977.8	3876.3	3725.4	3501.2	3265.3	3012.8	2741.5	2510.3	*2390.0*	2312.1
27.5°	4381.2	4350.6	4220.8	4048.6	3789.1	3517.7	3225.2	2925.5	2651.9	*2507.9*	2413.6
30°	4732.8	4723.3	4577.1	4383.6	4093.4	3770.2	3454.0	3133.2	2819.4	*2649.5*	2545.7
32.5°	5018.3	5006.5	4881.4	4688.0	4376.5	4041.5	3678.2	3329.0	2986.9	*2802.9*	2666.0
35°	5256.5	5237.7	5107.9	4914.4	4645.5	4305.7	3918.8	3534.2	3170.9	*2946.8*	2817.0
37.5°	5350.9	5334.4	5228.2	5067.8	4820.1	4508.6	4135.9	3760.7	3354.9	*3109.6*	2963.3
40°	5315.5	5306.1	5230.6	5119.7	4931.0	4671.4	4343.5	3996.7	3562.6	*3281.8*	3107.2
42.5°	5148.0	5148.0	5100.8	5044.2	4949.8	4763.4	4527.5	4223.2	3763.1	*3454.0*	3244.1
45°	4912.1	4902.6	4886.1	4864.9	4850.7	4780.0	4647.8	4419.0	3984.9	*3642.8*	3409.2
47.5°	4598.3	4605.4	4593.6	4603.0	4662.0	4706.8	4699.7	4600.7	4211.4	*3850.4*	3572.0
50°	4105.2	4138.2	4176.0	4286.9	4407.2	4532.2	4647.8	4730.4	4478.0	*4086.3*	3760.7
52.5°	3494.1	3508.3	3609.7	3871.6	4128.8	4293.9	4513.4	4789.4	4713.9	*4331.7*	3982.5
55°	2741.5	2767.5	2920.8	3291.2	3748.9	4065.1	4322.3	4763.4	4954.6	*4612.5*	4242.0
57.5°	1965.3	1981.8	2227.2	2609.4	3206.3	3737.1	4105.2	4659.6	5148.0	*4931.0*	4508.6
60°	1396.7	1427.4	1585.5	1958.2	2531.5	3284.2	3907.0	4508.6	5327.3	*5242.4*	4857.8
62.5°	1031.0	1047.5	1158.4	1429.7	1901.6	2666.0	3649.9	4397.8	5445.3	*5577.4*	5207.0
65°	776.2	783.3	858.8	1045.2	1422.7	1965.3	3244.1	4376.5	5511.4	*5862.9*	5516.1
67.5°	*611.1*	*622.9*	*670.0*	*797.4*	*1059.3*	*1429.7*	*2642.4*	*4362.4*	*5487.8*	*5978.5*	*5678.9*
70°	514.3	516.7	552.1	622.9	792.7	1028.7	1974.7	4150.0	5355.6	*5775.6*	5527.9
72.5°	445.9	445.9	462.4	519.0	637.0	778.6	1344.8	3642.8	5020.6	*5159.8*	5004.1
75°	361.0	358.6	386.9	441.2	512.0	599.3	903.6	2758.0	4317.5	*4246.8*	4119.4
77.5°	313.8	311.4	335.0	382.2	422.3	478.9	618.1	1790.7	3397.4	*3185.1*	3104.9
80°	269.0	261.9	280.8	325.6	346.8	372.8	427.0	1042.8	2220.1	*2088.0*	1991.3
82.5°	202.9	186.4	181.7	219.4	233.6	217.1	217.1	365.7	806.9	*814.0*	752.6
85°	16.5	18.9	23.6	28.3	40.1	44.8	47.2	77.9	120.3	*115.6*	118.0
87.5°	2.4	2.4	2.4	4.7	4.7	7.1	7.1	7.1	9.4	*9.4*	9.4
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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Scaled Data Report

REPORT NUMBER: P867887
CATALOG NUMBER: MEM2-HSN-SA-100-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1679.8	1679.8	1679.8	1679.8	1679.8	1679.8	1679.8	1679.8	1679.8	1679.8	1679.8
2.5°	1686.9	1682.2	1677.5	1677.5	1677.5	1672.8	1670.4	1670.4	1668.0	1661.0	1658.6
5°	1703.4	1696.3	1689.3	1689.3	1689.3	1686.9	1684.5	1686.9	1684.5	1677.5	1675.1
7.5°	1736.5	1727.0	1717.6	1717.6	1722.3	1719.9	1719.9	1722.3	1719.9	1712.9	1710.5
10°	1783.6	1769.5	1764.8	1764.8	1769.5	1767.1	1764.8	1764.8	1762.4	1750.6	1755.3
12.5°	1835.5	1821.4	1816.7	1819.0	1816.7	1812.0	1814.3	1807.2	1804.9	1786.0	1783.6
15°	1901.6	1885.1	1875.7	1878.0	1870.9	1861.5	1852.1	1847.3	1837.9	1821.4	1816.7
17.5°	1977.1	1951.2	1939.4	1939.4	1925.2	1906.3	1892.2	1878.0	1863.9	1845.0	1840.3
20°	2050.2	2026.6	2007.8	2003.1	1974.7	1944.1	1918.1	1894.5	1878.0	1856.8	1852.1
22.5°	2142.3	2109.2	2083.3	2062.0	2019.6	1970.0	1929.9	1896.9	1873.3	1849.7	1842.6
25°	2239.0	2191.8	2149.3	2109.2	2050.2	1979.5	1922.8	1875.7	1845.0	1819.0	1814.3
27.5°	2335.7	2274.4	2213.0	2149.3	2059.7	1967.7	1887.4	1830.8	1790.7	1757.7	1753.0
30°	2439.5	2364.0	2267.3	2175.3	2057.3	1937.0	1835.5	1755.3	1708.1	1670.4	1665.7
32.5°	2545.7	2451.3	2319.2	2194.2	2045.5	1892.2	1760.0	1675.1	1616.1	1573.7	1561.9
35°	2663.7	2548.1	2366.4	2201.2	2012.5	1826.1	1679.8	1573.7	1505.2	1462.8	1453.3
37.5°	2784.0	2637.7	2397.1	2196.5	1965.3	1748.2	1576.0	1467.5	1387.3	1328.3	1318.9
40°	2906.7	2720.3	2415.9	2172.9	1899.2	1651.5	1479.3	1347.2	1231.6	1177.3	1151.3
42.5°	3019.9	2795.8	2425.4	2139.9	1826.1	1550.1	1351.9	1179.7	1071.1	1012.1	1023.9
45°	3137.9	2866.6	2427.7	2099.8	1729.4	1420.3	1191.5	1031.0	922.5	877.7	872.9
47.5°	3239.3	2925.5	2423.0	2043.2	1620.8	1271.7	1023.9	870.6	790.4	747.9	743.2
50°	3373.8	2991.6	2415.9	1977.1	1479.3	1101.8	868.2	743.2	670.0	637.0	634.7
52.5°	3508.3	3064.7	2411.2	1885.1	1330.7	941.4	726.7	627.6	578.0	561.5	556.8
55°	3685.2	3154.4	2413.6	1778.9	1160.8	776.2	615.8	547.4	521.4	514.3	514.3
57.5°	3888.1	3270.0	2427.7	1661.0	983.8	641.7	535.6	504.9	502.5	507.3	509.6
60°	4133.5	3423.4	2456.0	1538.3	821.0	542.6	488.4	486.0	493.1	509.6	514.3
62.5°	4409.6	3590.9	2491.4	1377.8	665.3	476.6	462.4	471.9	481.3	500.2	502.5
65°	4652.6	3779.6	2512.7	1224.5	556.8	438.8	445.9	450.6	474.2	500.2	500.2
67.5°	*4798.8*	*3916.5*	*2432.4*	*1031.0*	*464.8*	*405.8*	*420.0*	*434.1*	*460.1*	*483.7*	*488.4*
70°	4749.3	3871.6	2158.8	799.8	394.0	375.1	391.6	412.9	438.8	467.1	481.3
72.5°	4404.8	3553.1	1753.0	582.7	342.1	346.8	368.1	396.4	420.0	450.6	469.5
75°	3682.9	2965.7	1264.6	420.0	299.6	318.5	351.5	375.1	391.6	398.7	401.1
77.5°	2795.8	2180.0	861.1	313.8	259.5	285.5	320.9	346.8	351.5	356.3	361.0
80°	1826.1	1387.3	486.0	219.4	198.2	233.6	261.9	290.2	280.8	294.9	299.6
82.5°	771.5	606.3	221.8	108.5	92.0	99.1	106.2	94.4	87.3	87.3	75.5
85°	101.5	77.9	33.0	14.2	11.8	7.1	7.1	7.1	4.7	4.7	4.7
87.5°	9.4	9.4	7.1	7.1	4.7	4.7	2.4	4.7	2.4	2.4	2.4
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: SP1-2407-157-2

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-30-722-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-722-U-5WQ-2

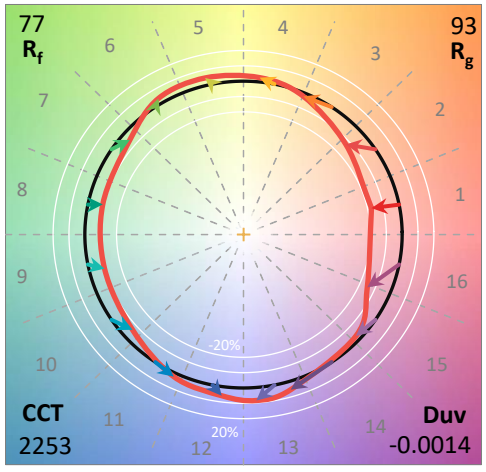
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/20/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-SA-30-722-U-5WQ-2**
Description:	Epic Modern Light Square 30W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	2253	CRI (Ra):	70.6		
CIE u':	0.2868	R1:	68.4	R9:	-36.0
CIE v':	0.5332	R2:	88.7	R10:	78.2
Duv:	-0.0014	R3:	85.4	R11:	61.0
CIE x:	0.4974	R4:	63.5	R12:	74.2
CIE y:	0.4110	R5:	69.0	R13:	72.8
CIE z:	0.0915	R6:	88.9	R14:	92.2
Peak Wavelength (nm):	603	R7:	68.5	R15:	58.0
Dominant Wavelength (nm):	587	R8:	32.0		
Purity:	72.69432				
Rf:	76.9				
Rg:	92.7				



Test Conditions

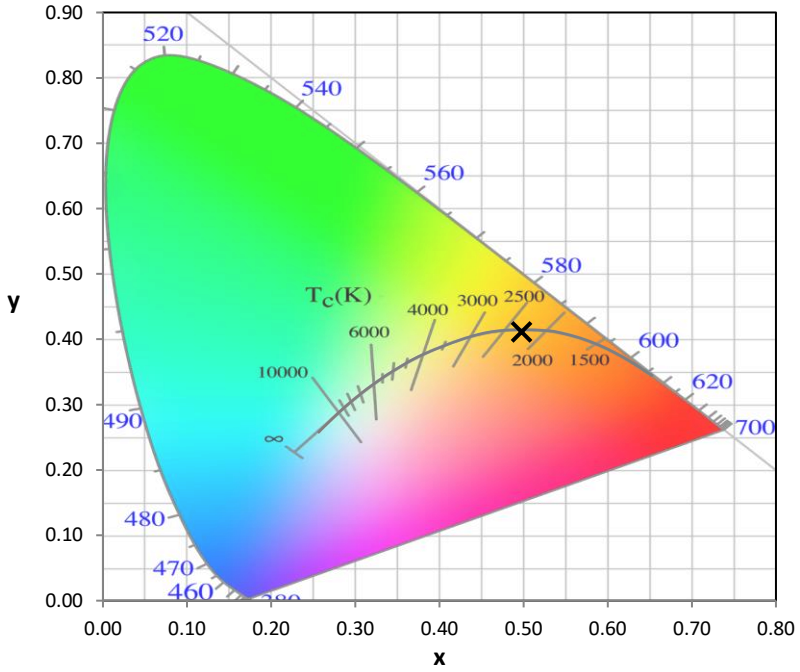
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	24.1

REPORT NUMBER: SP1-2407-157-2

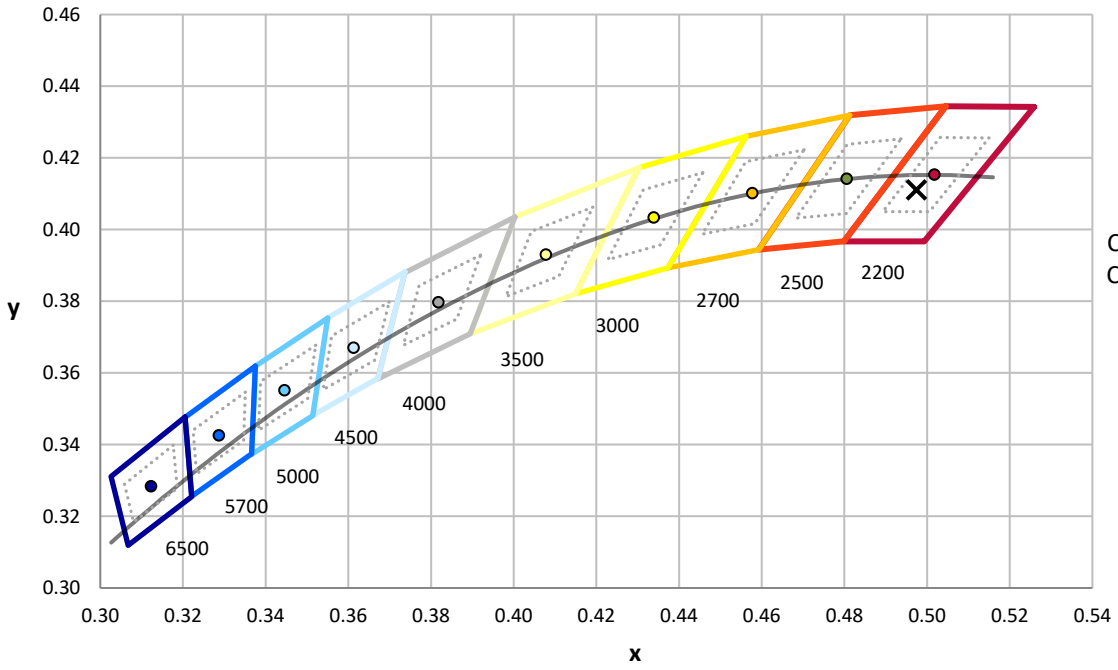
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-2

CIE 1931 Chromaticity Diagram



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

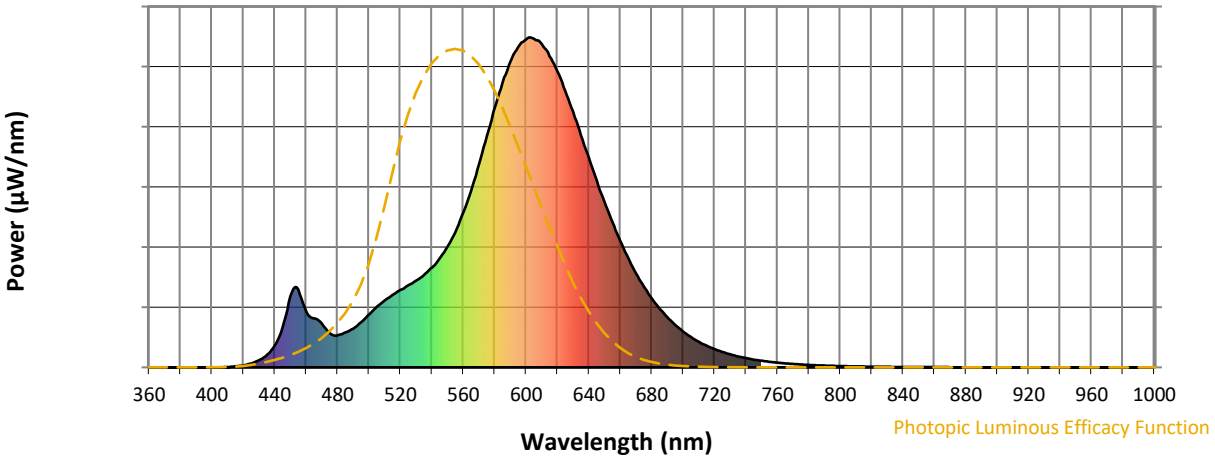


CCT = 2253K
CIE x = 0.4974
CIE y = 0.4110
Duv = -0.0014

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-2

Photopic Flux vs. Wavelength

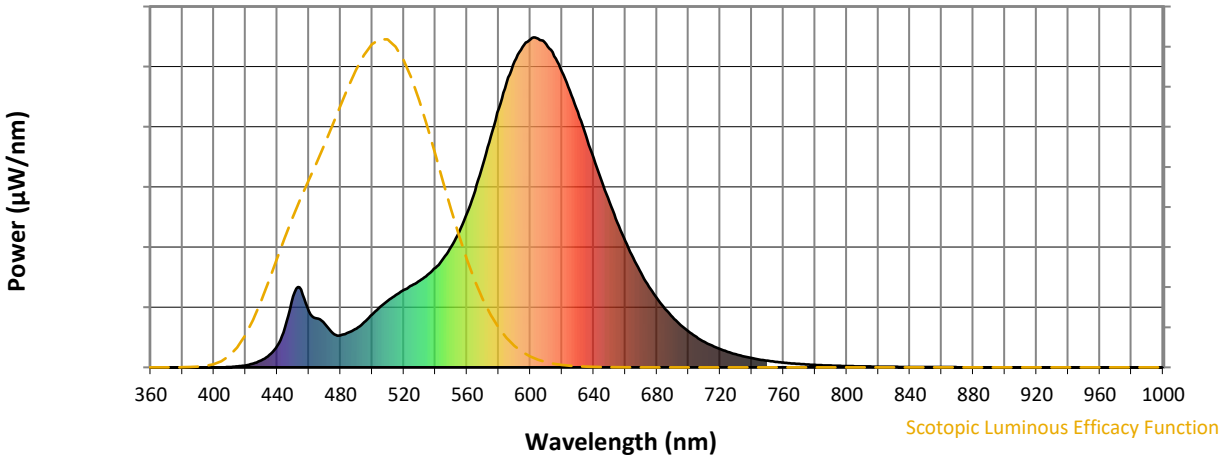


Photopic Lumens: NR

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	117	NR	620	896	NR	750	20	NR	880	0	NR
365	0	NR	495	137	NR	625	838	NR	755	17	NR	885	0	NR
370	0	NR	500	160	NR	630	774	NR	760	14	NR	890	0	NR
375	0	NR	505	183	NR	635	704	NR	765	12	NR	895	0	NR
380	0	NR	510	202	NR	640	635	NR	770	10	NR	900	0	NR
385	0	NR	515	219	NR	645	565	NR	775	9	NR	905	0	NR
390	0	NR	520	235	NR	650	501	NR	780	7	NR	910	0	NR
395	0	NR	525	249	NR	655	440	NR	785	6	NR	915	0	NR
400	0	NR	530	263	NR	660	383	NR	790	5	NR	920	0	NR
405	0	NR	535	281	NR	665	332	NR	795	5	NR	925	0	NR
410	1	NR	540	302	NR	670	286	NR	800	4	NR	930	0	NR
415	3	NR	545	331	NR	675	245	NR	805	3	NR	935	0	NR
420	6	NR	550	366	NR	680	210	NR	810	3	NR	940	0	NR
425	12	NR	555	411	NR	685	178	NR	815	3	NR	945	0	NR
430	21	NR	560	469	NR	690	152	NR	820	2	NR	950	0	NR
435	38	NR	565	536	NR	695	129	NR	825	2	NR	955	0	NR
440	66	NR	570	614	NR	700	109	NR	830	2	NR	960	0	NR
445	122	NR	575	701	NR	705	92	NR	835	1	NR	965	0	NR
450	215	NR	580	785	NR	710	77	NR	840	1	NR	970	0	NR
455	236	NR	585	863	NR	715	66	NR	845	1	NR	975	0	NR
460	170	NR	590	928	NR	720	55	NR	850	1	NR	980	0	NR
465	148	NR	595	971	NR	725	47	NR	855	1	NR	985	0	NR
470	132	NR	600	994	NR	730	40	NR	860	1	NR	990	0	NR
475	104	NR	605	996	NR	735	33	NR	865	1	NR	995	0	NR
480	97	NR	610	979	NR	740	28	NR	870	1	NR	1000	0	NR
485	105	NR	615	943	NR	745	24	NR	875	0	NR			

REPORT NUMBER: SP1-2407-157-2

Scotopic Flux vs. Wavelength

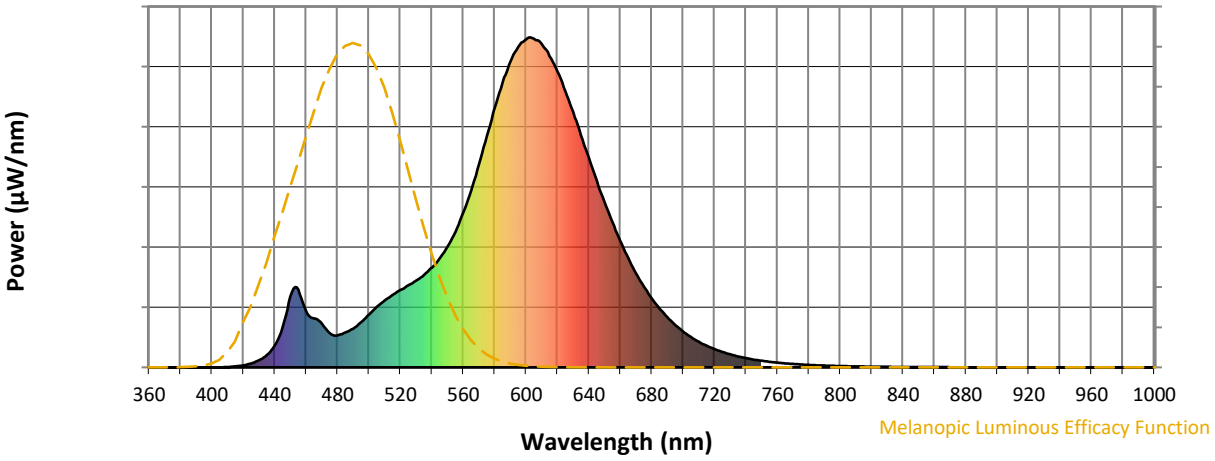


Scotopic Lumens: NR **S/P: 0.96**

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	117	NR	620	896	NR	750	20	NR	880	0	NR
365	0	NR	495	137	NR	625	838	NR	755	17	NR	885	0	NR
370	0	NR	500	160	NR	630	774	NR	760	14	NR	890	0	NR
375	0	NR	505	183	NR	635	704	NR	765	12	NR	895	0	NR
380	0	NR	510	202	NR	640	635	NR	770	10	NR	900	0	NR
385	0	NR	515	219	NR	645	565	NR	775	9	NR	905	0	NR
390	0	NR	520	235	NR	650	501	NR	780	7	NR	910	0	NR
395	0	NR	525	249	NR	655	440	NR	785	6	NR	915	0	NR
400	0	NR	530	263	NR	660	383	NR	790	5	NR	920	0	NR
405	0	NR	535	281	NR	665	332	NR	795	5	NR	925	0	NR
410	1	NR	540	302	NR	670	286	NR	800	4	NR	930	0	NR
415	3	NR	545	331	NR	675	245	NR	805	3	NR	935	0	NR
420	6	NR	550	366	NR	680	210	NR	810	3	NR	940	0	NR
425	12	NR	555	411	NR	685	178	NR	815	3	NR	945	0	NR
430	21	NR	560	469	NR	690	152	NR	820	2	NR	950	0	NR
435	38	NR	565	536	NR	695	129	NR	825	2	NR	955	0	NR
440	66	NR	570	614	NR	700	109	NR	830	2	NR	960	0	NR
445	122	NR	575	701	NR	705	92	NR	835	1	NR	965	0	NR
450	215	NR	580	785	NR	710	77	NR	840	1	NR	970	0	NR
455	236	NR	585	863	NR	715	66	NR	845	1	NR	975	0	NR
460	170	NR	590	928	NR	720	55	NR	850	1	NR	980	0	NR
465	148	NR	595	971	NR	725	47	NR	855	1	NR	985	0	NR
470	132	NR	600	994	NR	730	40	NR	860	1	NR	990	0	NR
475	104	NR	605	996	NR	735	33	NR	865	1	NR	995	0	NR
480	97	NR	610	979	NR	740	28	NR	870	1	NR	1000	0	NR
485	105	NR	615	943	NR	745	24	NR	875	0	NR			

REPORT NUMBER: SP1-2407-157-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	117	NR	620	896	NR	750	20	NR	880	0	NR
365	0	NR	495	137	NR	625	838	NR	755	17	NR	885	0	NR
370	0	NR	500	160	NR	630	774	NR	760	14	NR	890	0	NR
375	0	NR	505	183	NR	635	704	NR	765	12	NR	895	0	NR
380	0	NR	510	202	NR	640	635	NR	770	10	NR	900	0	NR
385	0	NR	515	219	NR	645	565	NR	775	9	NR	905	0	NR
390	0	NR	520	235	NR	650	501	NR	780	7	NR	910	0	NR
395	0	NR	525	249	NR	655	440	NR	785	6	NR	915	0	NR
400	0	NR	530	263	NR	660	383	NR	790	5	NR	920	0	NR
405	0	NR	535	281	NR	665	332	NR	795	5	NR	925	0	NR
410	1	NR	540	302	NR	670	286	NR	800	4	NR	930	0	NR
415	3	NR	545	331	NR	675	245	NR	805	3	NR	935	0	NR
420	6	NR	550	366	NR	680	210	NR	810	3	NR	940	0	NR
425	12	NR	555	411	NR	685	178	NR	815	3	NR	945	0	NR
430	21	NR	560	469	NR	690	152	NR	820	2	NR	950	0	NR
435	38	NR	565	536	NR	695	129	NR	825	2	NR	955	0	NR
440	66	NR	570	614	NR	700	109	NR	830	2	NR	960	0	NR
445	122	NR	575	701	NR	705	92	NR	835	1	NR	965	0	NR
450	215	NR	580	785	NR	710	77	NR	840	1	NR	970	0	NR
455	236	NR	585	863	NR	715	66	NR	845	1	NR	975	0	NR
460	170	NR	590	928	NR	720	55	NR	850	1	NR	980	0	NR
465	148	NR	595	971	NR	725	47	NR	855	1	NR	985	0	NR
470	132	NR	600	994	NR	730	40	NR	860	1	NR	990	0	NR
475	104	NR	605	996	NR	735	33	NR	865	1	NR	995	0	NR
480	97	NR	610	979	NR	740	28	NR	870	1	NR	1000	0	NR
485	105	NR	615	943	NR	745	24	NR	875	0	NR			

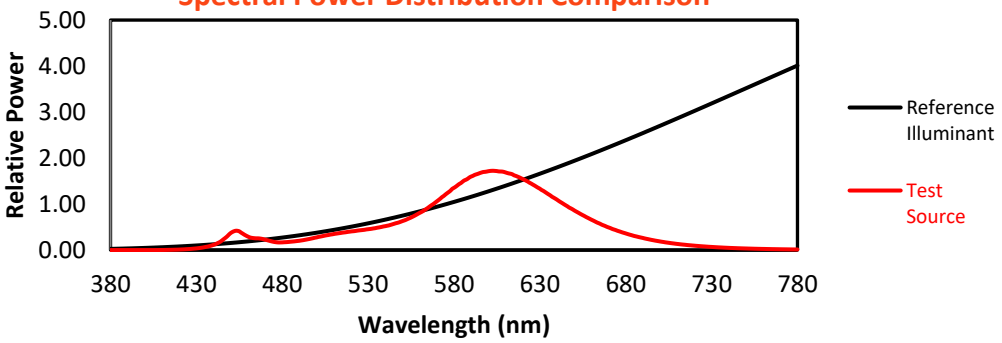
REPORT NUMBER: SP1-2407-157-2

TM-30-18

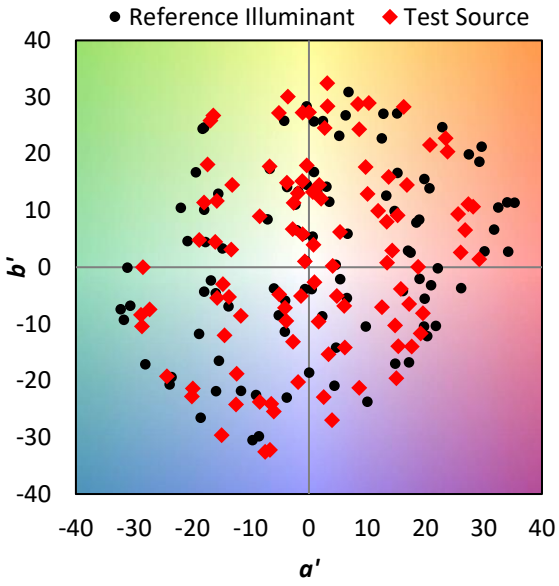
Summary

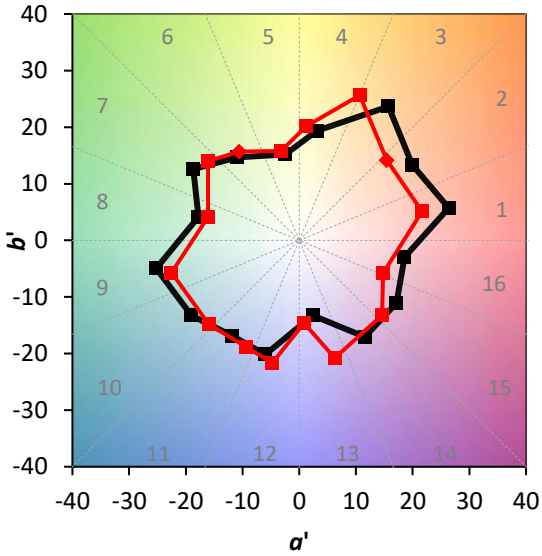
R_f = 76.9
R_g = 92.7
CIE R_a = 70.6
R_9 = -36.0

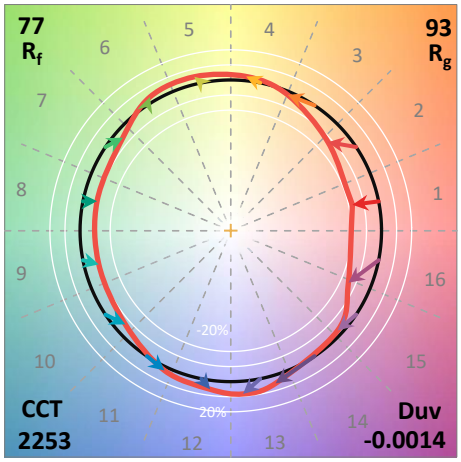
Spectral Power Distribution Comparison

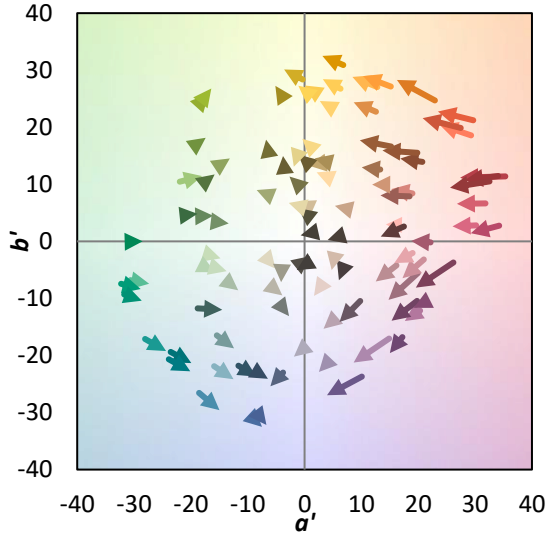


Color Vector Graphics







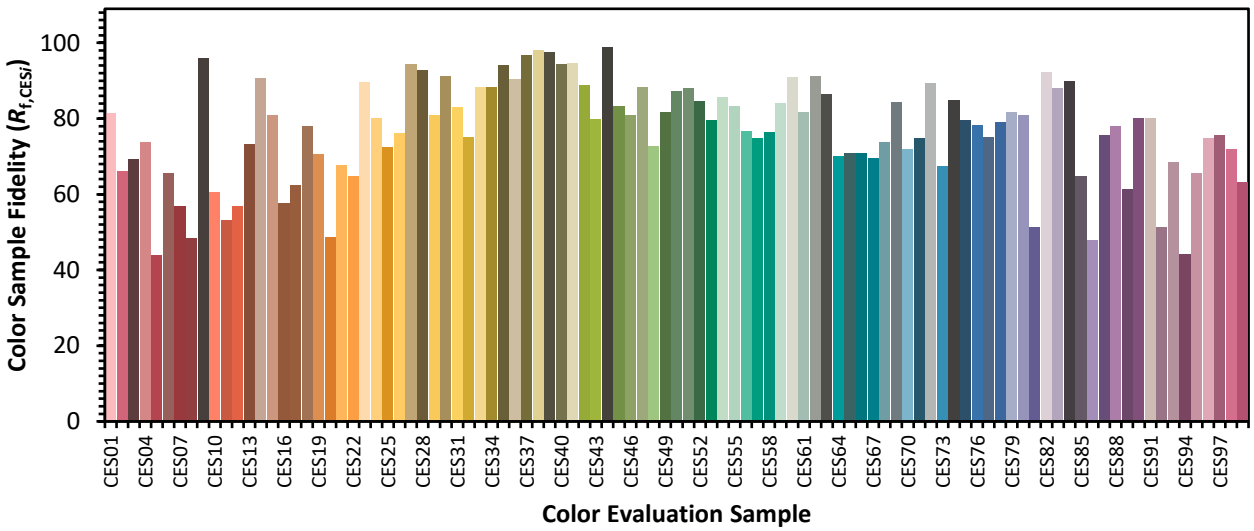


REPORT NUMBER: SP1-2407-157-2

TM-30-18

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

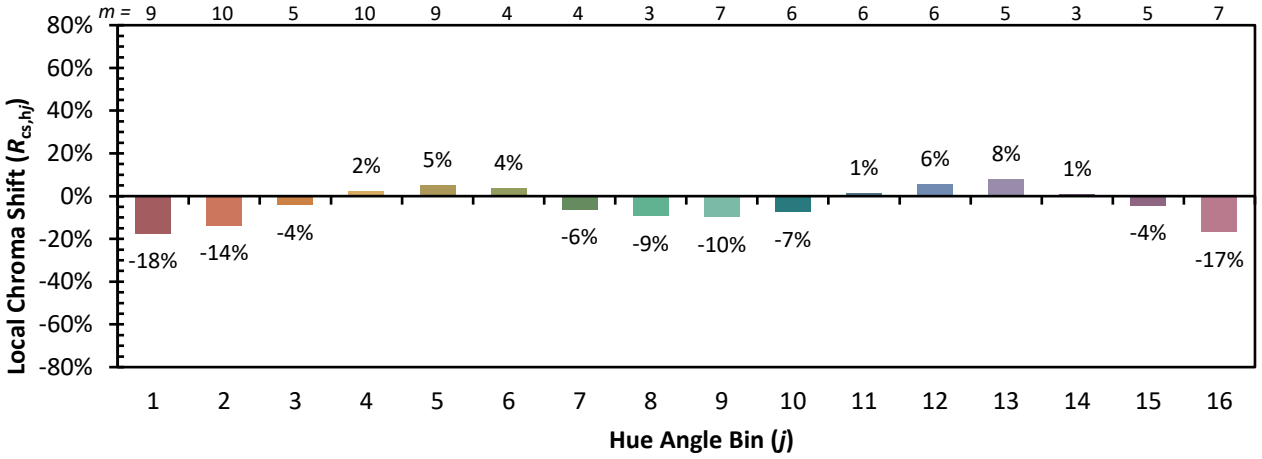
CES01 = 87	CES26 = 76	CES51 = 88	CES76 = 78
CES02 = 65	CES27 = 94	CES52 = 85	CES77 = 75
CES03 = 32	CES28 = 93	CES53 = 80	CES78 = 79
CES04 = 72	CES29 = 81	CES54 = 86	CES79 = 82
CES05 = 51	CES30 = 91	CES55 = 83	CES80 = 81
CES06 = 52	CES31 = 83	CES56 = 77	CES81 = 51
CES07 = 44	CES32 = 75	CES57 = 75	CES82 = 92
CES08 = 42	CES33 = 88	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 88	CES59 = 84	CES84 = 90
CES10 = 79	CES35 = 94	CES60 = 91	CES85 = 65
CES11 = 62	CES36 = 90	CES61 = 82	CES86 = 48
CES12 = 68	CES37 = 97	CES62 = 91	CES87 = 76
CES13 = 45	CES38 = 98	CES63 = 86	CES88 = 78
CES14 = 75	CES39 = 97	CES64 = 70	CES89 = 61
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 95	CES66 = 71	CES91 = 80
CES17 = 51	CES42 = 89	CES67 = 70	CES92 = 51
CES18 = 57	CES43 = 80	CES68 = 74	CES93 = 68
CES19 = 74	CES44 = 99	CES69 = 84	CES94 = 44
CES20 = 68	CES45 = 83	CES70 = 72	CES95 = 66
CES21 = 88	CES46 = 81	CES71 = 75	CES96 = 75
CES22 = 81	CES47 = 88	CES72 = 89	CES97 = 76
CES23 = 92	CES48 = 73	CES73 = 68	CES98 = 72
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 80	

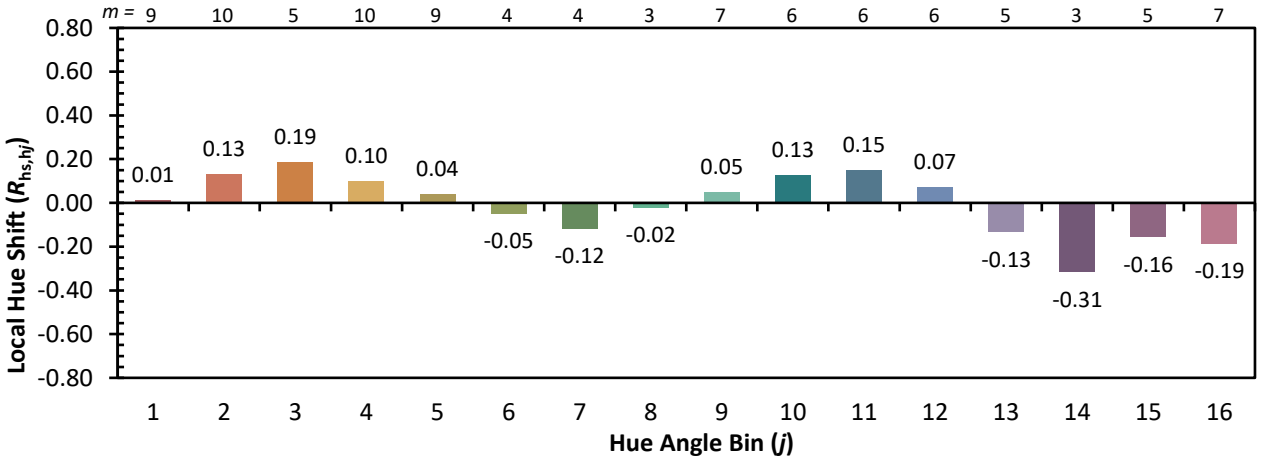


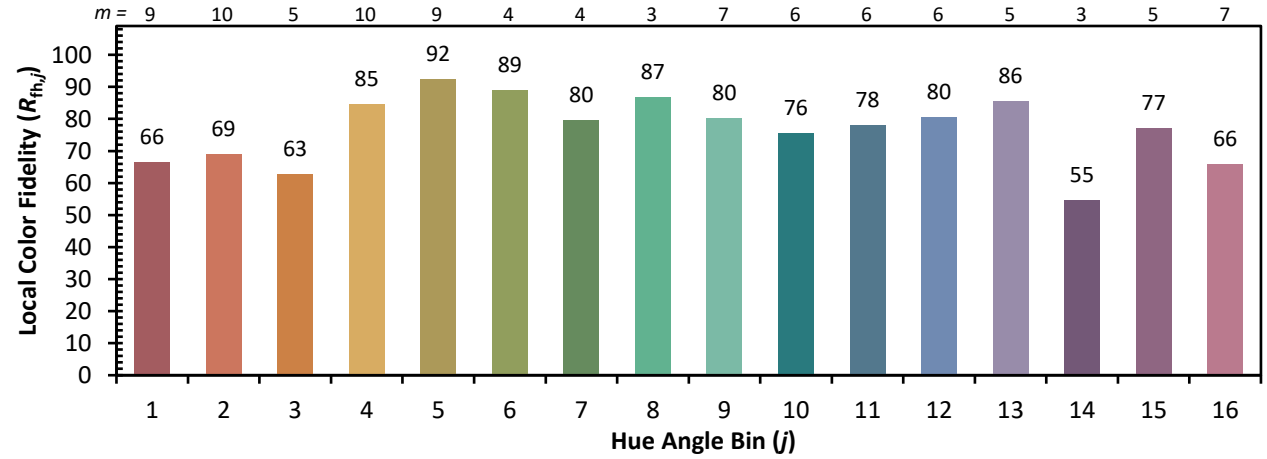
REPORT NUMBER: SP1-2407-157-2

TM-30-18

Color Rendition by Hue-Angle Bin



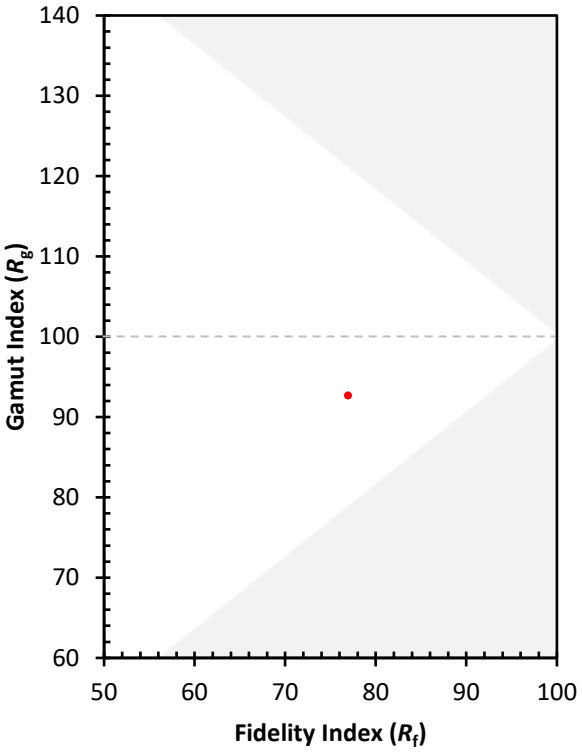


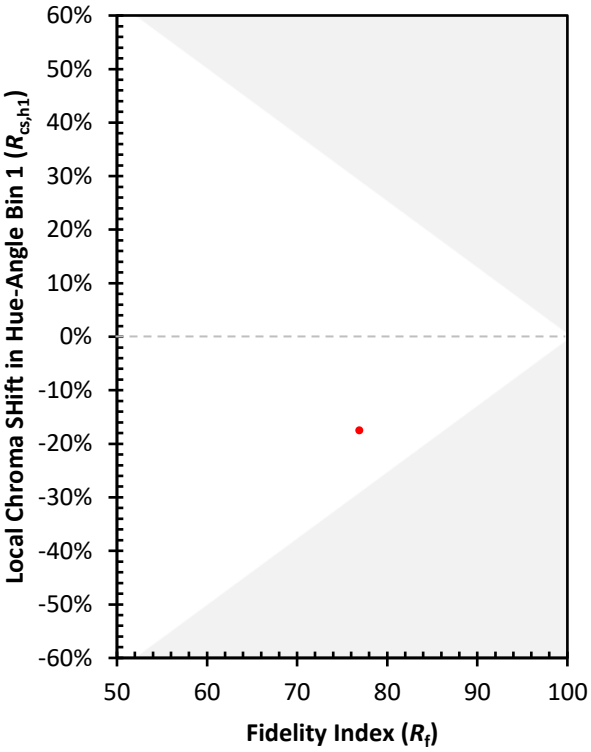


REPORT NUMBER: SP1-2407-157-2

TM-30-18

Measure Comparisons





(END OF REPORT)