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: P879647

Luminaire Tested: **MEM2-HSN-VA-130-740-U-RW**

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:	P879647
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	10/01/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-VA-130-740-U-RW
Description:	EPIC MODERN SHORT HOUSING 130W 70CRI 4000K VISUAL COMFORT FIXTURE w/ RECTANGULAR WIDE DISTRIBUTION OPTIC
Light Source:	(1) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14072.8 lumens
Efficiency:	N/A
Efficacy:	108.3 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B4 - U0 - G4

Input Watts (W):	130
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	8.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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REPORT NUMBER: P879647
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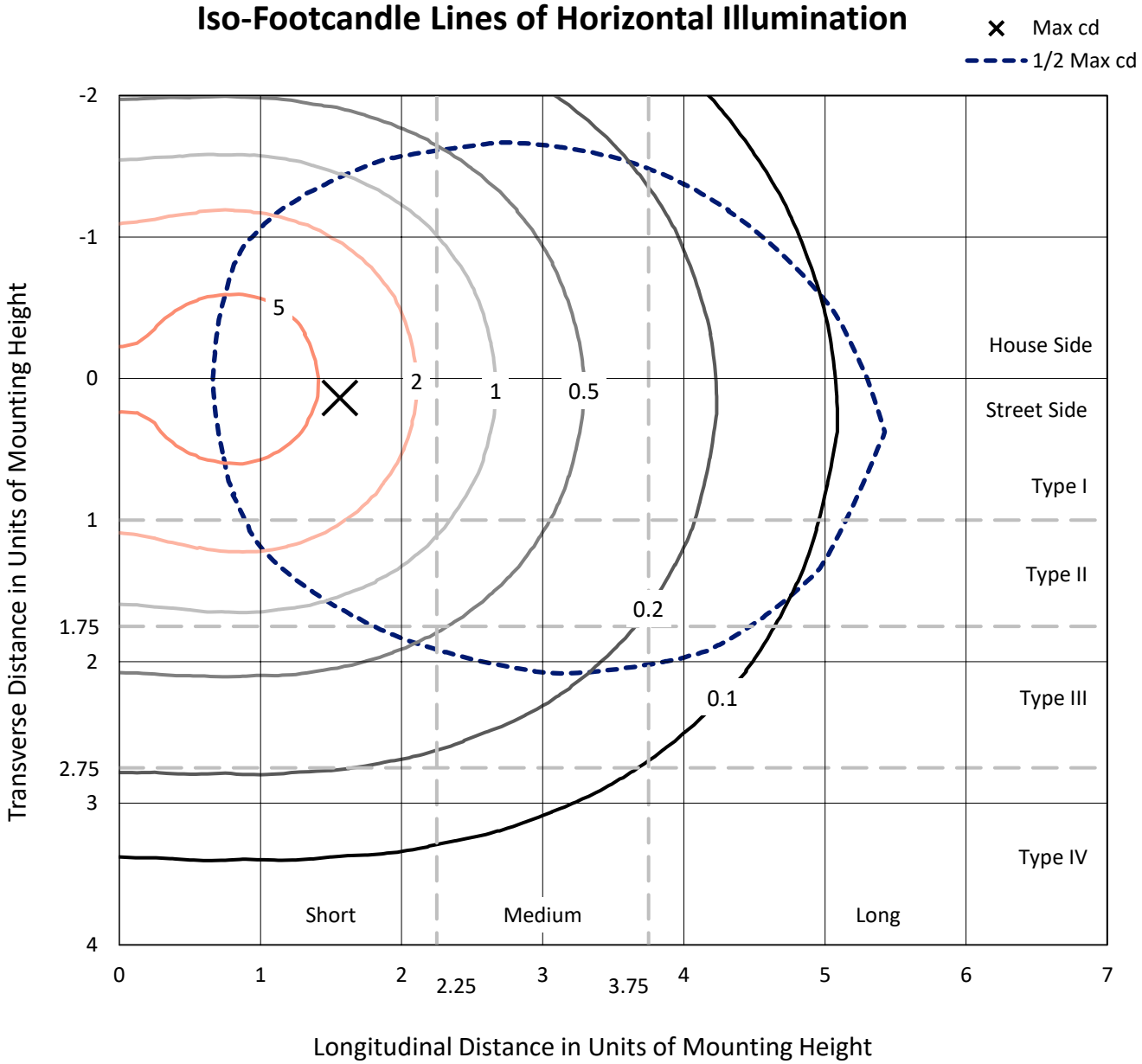
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 7.7 fc
Type III - Short - N/A

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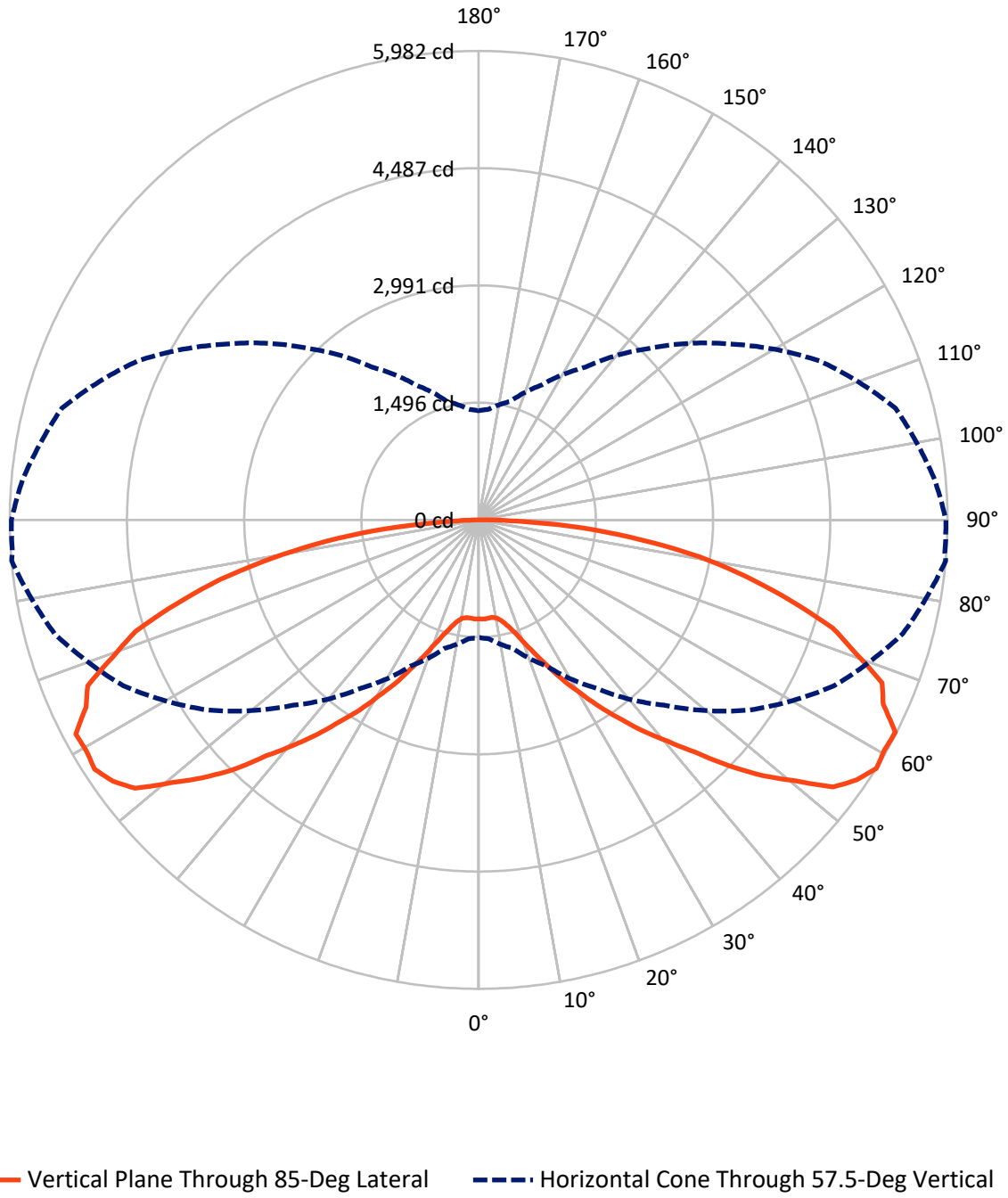
Luminous Intensity Polar Plot



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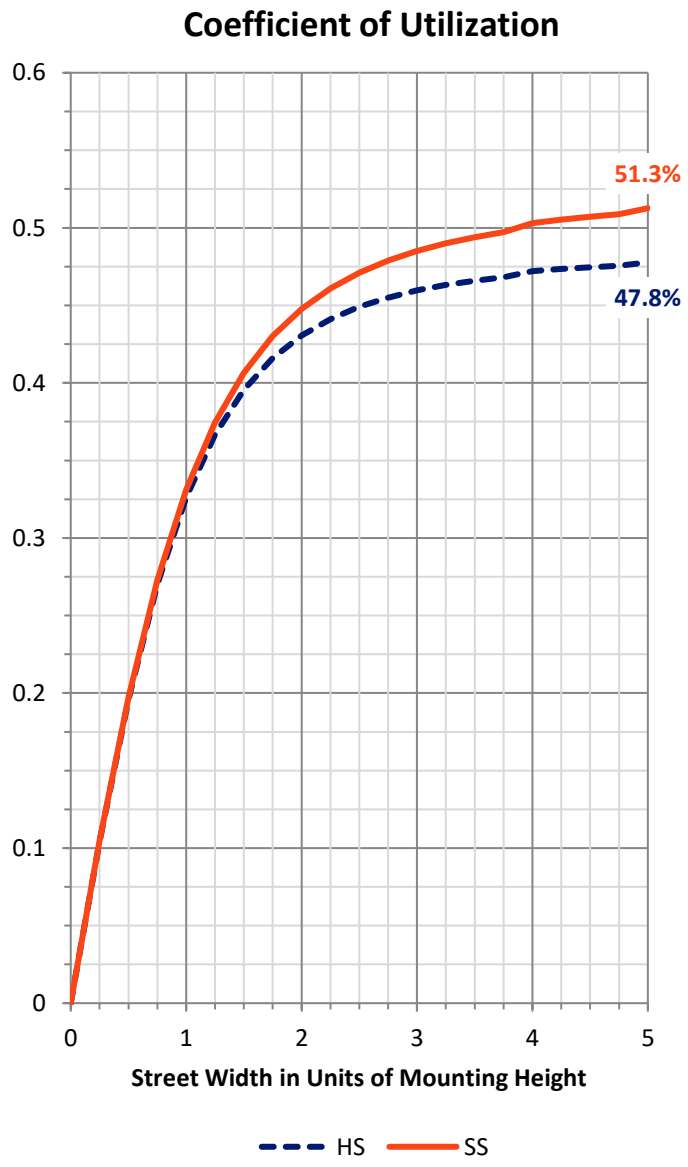
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6750.8	0.0	6750.8
	% Fixture	48.0	0.0	48.0
Street Side	Lumens	7322.0	0.0	7322.0
	% Fixture	52.0	0.0	52.0
Total	Lumens	14072.8	0.0	14072.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	0.9
10°-20°	378.1	2.7
20°-30°	771.7	5.5
30°-40°	1380.4	9.8
40°-50°	2211.9	15.7
50°-60°	3048.0	21.7
60°-70°	3157.4	22.4
70°-80°	2299.8	16.3
80°-90°	705.7	5.0
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°	14072.8	100.0
0°-180°	14072.8	100.0



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REPORT NUMBER: P879647
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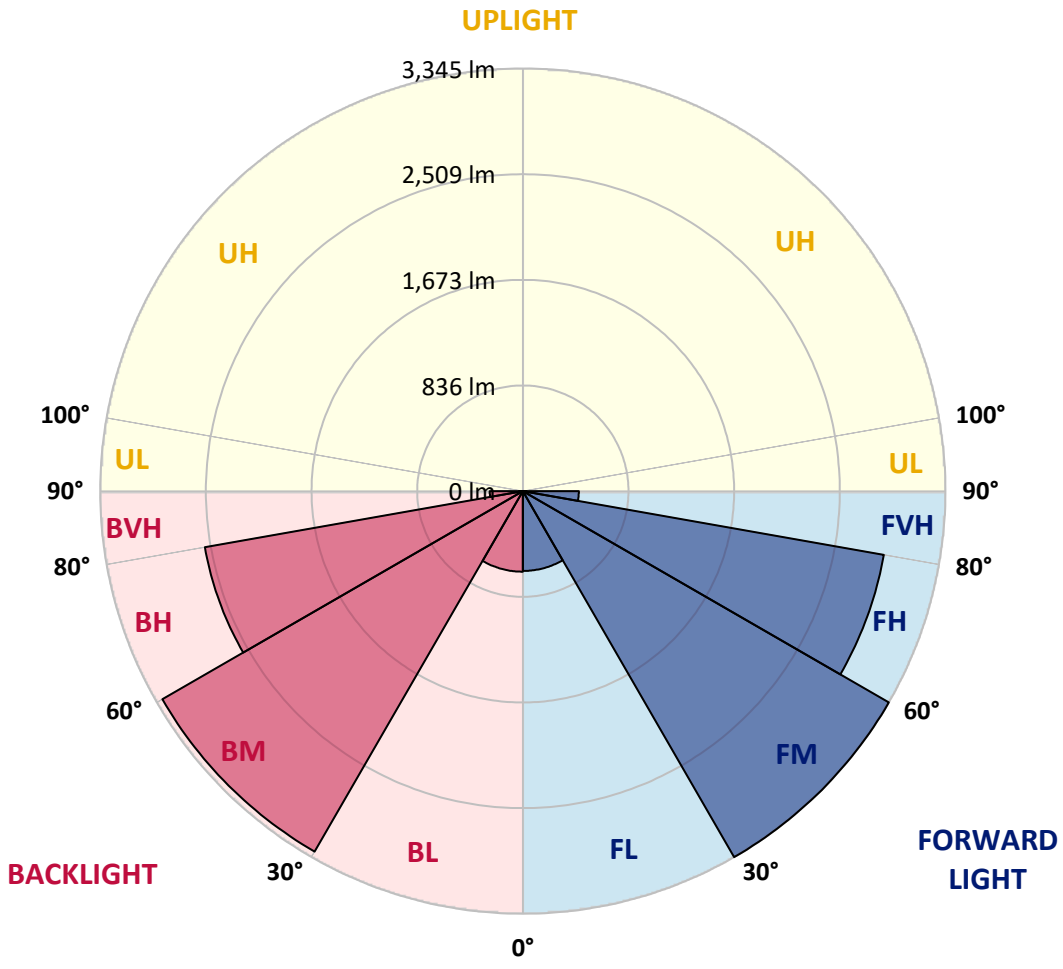
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	631.7	4.5			
FM	(30°-60°)	3345.3	23.8			
FH	(60°-80°)	2901.7	20.6			G2/5000
FVH	(80°-90°)	443.3	3.2			G3/500
BL	(0°-30°)	637.9	4.5	B2/1000		
BM	(30°-60°)	3295.0	23.4	B3/5000		
BH	(60°-80°)	2555.6	18.2	B4/5000		G4/5000
BVH	(80°-90°)	262.4	1.9			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type III Short



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REPORT NUMBER: P879647
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	*1261.5*	1261.5
2.5°	1262.5	1262.5	1265.4	1267.4	1269.4	1269.4	1270.4	1269.4	1268.4	*1267.4*	1267.4
5°	1266.4	1266.4	1271.4	1274.4	1274.4	1272.4	1270.4	1266.4	1263.5	*1259.5*	1259.5
7.5°	1261.5	1260.5	1262.5	1261.5	1260.5	1259.5	1257.5	1255.5	1254.5	*1255.5*	1255.5
10°	1242.7	1242.7	1242.7	1243.6	1247.6	1253.6	1258.5	1264.5	1269.4	*1273.4*	1272.4
12.5°	1227.8	1228.8	1231.8	1239.7	1249.6	1262.5	1279.3	1297.2	1312.0	*1322.9*	1321.9
15°	1216.9	1219.9	1228.8	1244.6	1266.4	1294.2	1326.9	1364.5	1393.3	*1407.1*	1408.1
17.5°	1217.9	1221.8	1237.7	1261.5	1295.2	1344.7	1399.2	1459.7	1507.2	*1521.1*	1523.1
20°	1219.9	1222.8	1244.6	1285.3	1342.7	1411.1	1492.4	1575.6	1641.0	*1678.7*	1680.7
22.5°	1226.8	1228.8	1256.5	1312.0	1392.3	1500.3	1608.3	1725.2	1816.4	*1862.0*	1879.8
25°	1230.8	1233.7	1273.4	1351.7	1459.7	1603.4	1747.0	1900.6	2017.6	*2081.0*	2090.9
27.5°	1238.7	1245.6	1293.2	1393.3	1539.9	1724.3	1922.4	2093.9	2251.4	*2328.7*	2317.8
30°	1255.5	1263.5	1323.9	1444.8	1628.1	1865.0	2085.0	2315.9	2478.4	*2568.5*	2579.4
32.5°	1274.4	1283.3	1354.6	1502.3	1722.3	1988.8	2272.2	2524.9	2742.0	*2848.0*	2850.0
35°	1306.1	1316.0	1401.2	1564.7	1819.4	2118.7	2465.5	2758.8	2991.7	*3122.5*	3137.3
37.5°	1319.9	1329.9	1430.9	1640.0	1913.5	2281.2	2647.8	2985.7	3280.0	*3423.7*	3435.6
40°	1362.6	1376.4	1474.5	1688.6	2026.5	2418.9	2833.1	3245.4	3559.5	*3712.1*	3723.0
42.5°	1381.4	1399.2	1526.1	1758.9	2120.6	2552.7	3053.1	3525.8	3859.8	*4051.0*	4047.0
45°	1408.1	1423.0	1551.8	1837.2	2209.8	2736.0	3296.9	3826.1	4239.3	*4473.1*	4474.1
47.5°	1465.6	1484.4	1605.3	1895.7	2336.7	2917.4	3545.6	4131.3	4645.6	*4874.5*	4855.7
50°	1473.5	1497.3	1662.8	1964.1	2451.6	3058.1	3737.9	4414.7	4983.5	*5229.2*	5200.5
52.5°	1500.3	1518.1	1669.8	2022.5	2506.1	3157.2	3921.2	4662.4	5293.7	*5662.3*	5617.7
55°	1520.1	1544.9	1710.4	2042.3	2578.5	3303.8	4090.6	4844.8	5508.7	*5854.5*	5837.7
57.5°	*1500.3*	*1523.1*	*1698.5*	*2057.2*	*2623.0*	*3344.5*	*4227.4*	*5004.3*	*5603.8*	*5982.4*	*5964.5*
60°	1470.6	1491.4	1665.8	2033.4	2553.7	3334.5	4178.8	5018.2	5601.8	*5952.6*	5942.7
62.5°	1424.0	1447.8	1609.3	1965.1	2506.1	3233.5	4101.5	4974.6	5519.6	*5967.5*	5953.6
65°	1351.7	1367.5	1545.9	1863.0	2423.9	3119.5	3963.8	4767.5	5455.2	*5671.2*	5691.0
67.5°	1266.4	1279.3	1433.9	1749.0	2271.3	2972.9	3818.1	4634.7	5137.1	*5552.3*	5553.3
70°	1172.3	1185.2	1319.9	1626.1	2088.9	2770.7	3536.7	4283.9	4932.0	*5106.4*	5112.3
72.5°	1036.5	1054.4	1197.1	1460.7	1900.6	2504.1	3249.3	3948.9	4467.2	*4723.9*	4716.9
75°	910.7	924.6	1037.5	1280.3	1679.7	2215.8	2915.4	3550.6	3982.6	*4105.5*	4134.2
77.5°	767.0	781.9	884.9	1071.2	1419.0	1909.6	2469.4	3019.4	3387.1	*3495.1*	3544.6
80°	617.4	618.4	698.6	872.0	1138.6	1535.0	1991.8	2477.4	2715.2	*2856.9*	2866.8
82.5°	450.9	469.7	523.2	652.0	854.2	1147.5	1535.0	1885.8	2090.9	*2092.9*	2100.8
85°	298.3	307.2	344.9	422.1	562.9	778.9	1014.7	1217.9	1337.8	*1338.8*	1338.8
87.5°	146.7	152.6	171.4	203.1	267.6	379.5	470.7	574.8	613.4	*504.4*	513.3
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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CATALOG NUMBER: MEM2-HSN-VA-130-740-U-RW

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5
2.5°	1267.4	1266.4	1265.4	1262.5	1259.5	1256.5	1253.6	1251.6	1249.6	1248.6	1249.6
5°	1257.5	1256.5	1252.6	1248.6	1245.6	1242.7	1239.7	1237.7	1236.7	1236.7	1236.7
7.5°	1256.5	1256.5	1255.5	1253.6	1251.6	1246.6	1238.7	1232.7	1228.8	1227.8	1226.8
10°	1273.4	1272.4	1275.4	1269.4	1262.5	1255.5	1242.7	1231.8	1222.8	1217.9	1216.9
12.5°	1325.9	1325.9	1327.9	1315.0	1298.1	1280.3	1259.5	1240.7	1226.8	1217.9	1216.9
15°	1417.1	1416.1	1408.1	1384.4	1352.6	1317.0	1284.3	1249.6	1224.8	1212.9	1211.9
17.5°	1523.1	1532.0	1522.1	1478.5	1427.0	1366.5	1311.0	1265.4	1232.7	1216.9	1214.9
20°	1689.6	1683.6	1658.9	1598.4	1525.1	1438.9	1362.6	1294.2	1250.6	1225.8	1222.8
22.5°	1882.8	1879.8	1839.2	1756.0	1648.9	1533.0	1425.0	1331.8	1270.4	1237.7	1234.7
25°	2096.9	2085.0	2028.5	1930.4	1795.6	1641.0	1498.3	1376.4	1293.2	1249.6	1242.7
27.5°	2339.6	2340.6	2269.3	2124.6	1958.1	1750.0	1582.5	1419.0	1317.0	1266.4	1256.5
30°	2587.4	2572.5	2499.2	2331.7	2111.7	1889.7	1656.9	1474.5	1356.6	1290.2	1282.3
32.5°	2870.8	2855.9	2724.1	2533.9	2278.2	2011.6	1739.1	1535.0	1379.4	1309.0	1300.1
35°	3138.3	3117.5	3004.6	2779.6	2464.5	2136.5	1842.2	1587.5	1429.9	1351.7	1338.8
37.5°	3460.4	3427.7	3261.2	3006.5	2669.6	2287.1	1929.4	1657.9	1471.6	1369.5	1354.6
40°	3750.7	3730.9	3539.7	3252.3	2850.0	2421.9	2019.6	1721.3	1492.4	1389.3	1377.4
42.5°	4096.6	4049.0	3846.9	3509.9	3055.1	2573.5	2145.4	1765.9	1547.9	1444.8	1426.0
45°	4535.6	4467.2	4214.5	3823.1	3256.3	2717.2	2247.5	1847.1	1595.4	1456.7	1434.9
47.5°	4915.1	4824.9	4586.1	4119.4	3515.9	2873.8	2301.0	1912.5	1604.3	1487.4	1466.6
50°	5251.0	5164.8	4900.2	4382.0	3703.2	3016.5	2403.1	1924.4	1648.9	1504.3	1477.5
52.5°	5638.5	5560.2	5257.0	4644.6	3866.7	3115.5	2460.5	1959.1	1642.0	1487.4	1466.6
55°	5855.5	5737.6	5425.5	4775.4	3906.3	3087.8	2452.6	1945.2	1618.2	1458.7	1436.9
57.5°	*5961.6*	*5841.7*	*5506.7*	*4797.2*	*3910.3*	*3096.7*	*2378.3*	*1897.7*	*1564.7*	*1414.1*	*1393.3*
60°	5926.9	5807.0	5484.9	4708.0	3849.8	3020.4	2320.8	1824.3	1501.3	1335.8	1314.0
62.5°	5918.0	5820.8	5441.3	4646.6	3761.6	2896.5	2229.6	1710.4	1399.2	1255.5	1236.7
65°	5660.3	5550.3	5197.5	4432.5	3590.2	2728.1	2070.1	1588.5	1295.2	1156.4	1139.6
67.5°	5539.4	5417.5	4932.9	4259.1	3373.2	2545.8	1859.0	1441.8	1170.3	1031.6	1010.8
70°	5077.6	4974.6	4638.6	3840.9	3044.2	2266.3	1707.4	1274.4	1020.7	900.8	882.9
72.5°	4731.8	4604.0	4144.2	3516.9	2725.1	1993.8	1466.6	1090.0	866.1	762.0	741.2
75°	4102.5	3993.5	3655.6	2998.6	2307.9	1697.5	1207.0	880.0	703.6	607.5	604.5
77.5°	3484.2	3388.1	2974.8	2494.2	1883.8	1334.8	933.5	680.8	522.2	453.9	441.0
80°	2790.5	2671.6	2374.3	1909.6	1438.9	958.2	656.0	453.9	353.8	298.3	292.3
82.5°	2041.4	1958.1	1712.4	1313.0	917.6	608.4	393.4	248.7	184.3	155.6	155.6
85°	1303.1	1197.1	958.2	680.8	402.3	225.9	107.0	69.4	48.6	46.6	50.5
87.5°	443.9	324.0	135.8	28.7	7.9	3.0	1.0	1.0	0.0	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: SP1-2407-176-9

Test Date: 09/25/2024

Luminaire Tested: MEM2-HTN-VA-130-740-U-RW

Data in this report applies to families of products including MEM2-HTN-VA-130-740-U-RW

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

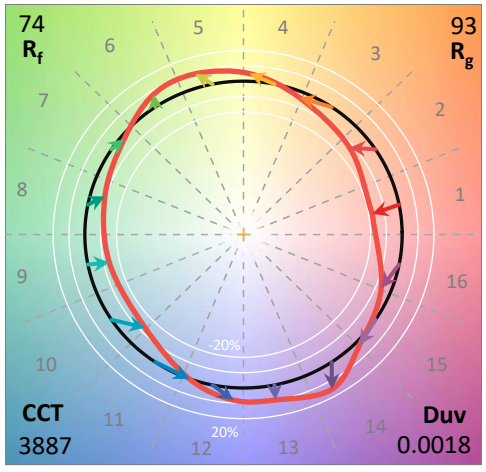
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-9
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-130-740-U-RW**
Description:	EPIC MODERN VISUAL COMFORT 130W WAVESTREAM RECTANGULAR WIDE

Spectral Parameters

CCT (K):	3887	CRI (Ra):	71.4		
CIE u':	0.2262	R1:	67.6	R9:	-36.8
CIE v':	0.5060	R2:	78.8	R10:	50.4
Duv:	0.0018	R3:	88.2	R11:	65.0
CIE x:	0.3870	R4:	69.8	R12:	44.4
CIE y:	0.3847	R5:	67.7	R13:	69.4
CIE z:	0.2283	R6:	70.3	R14:	93.3
Peak Wavelength (nm):	583	R7:	80.1	R15:	59.9
Dominant Wavelength (nm):	578	R8:	49.0		
Purity:	31.59626				

Rf:	74.5
Rg:	93.5



Test Conditions

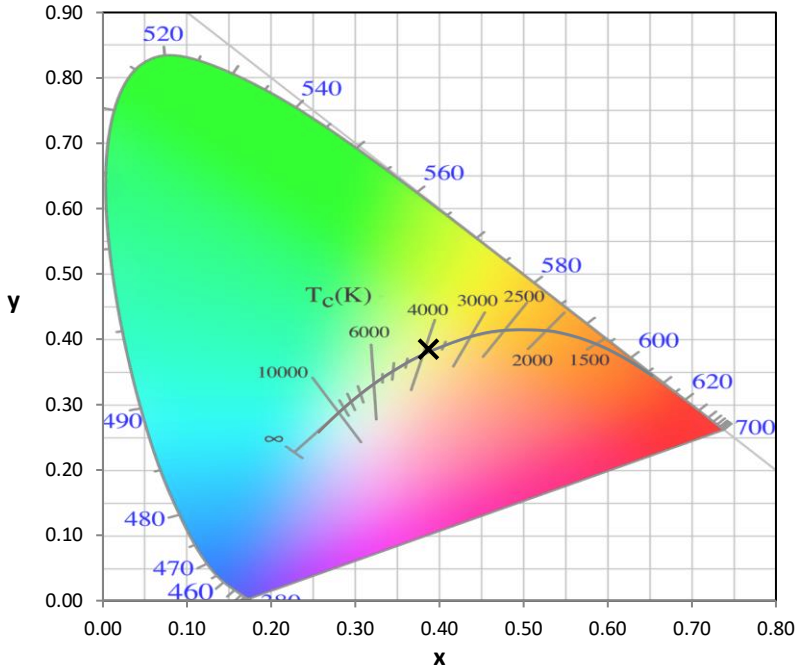
Stabilization Time:	50M
Operation Time:	1H 50M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-9

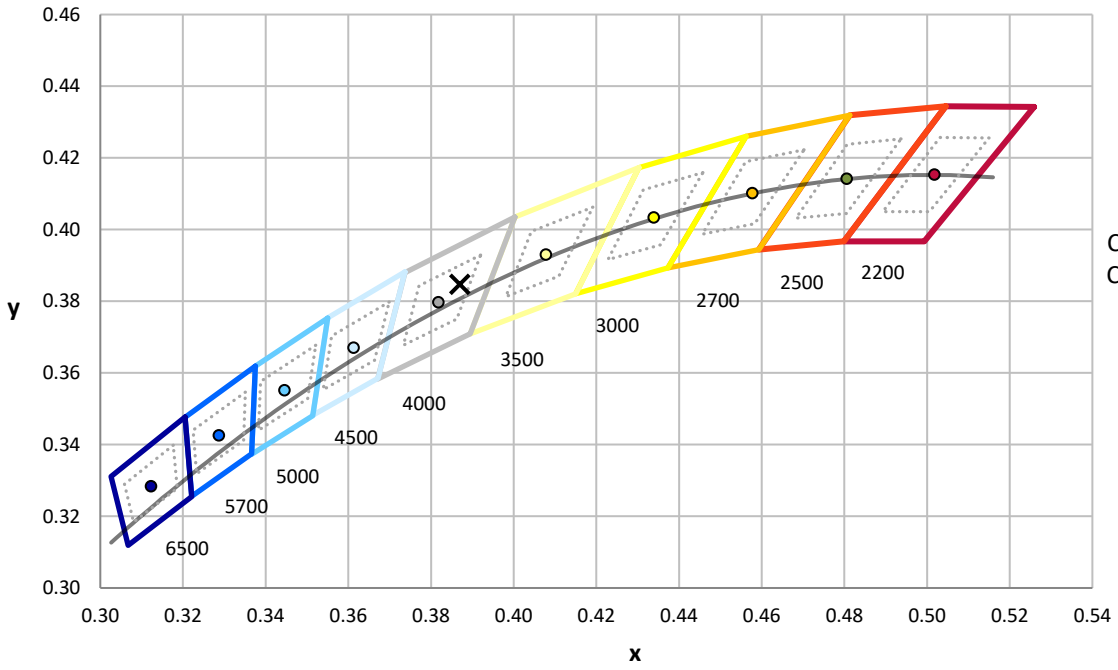
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-176-9

CIE 1931 Chromaticity Diagram



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

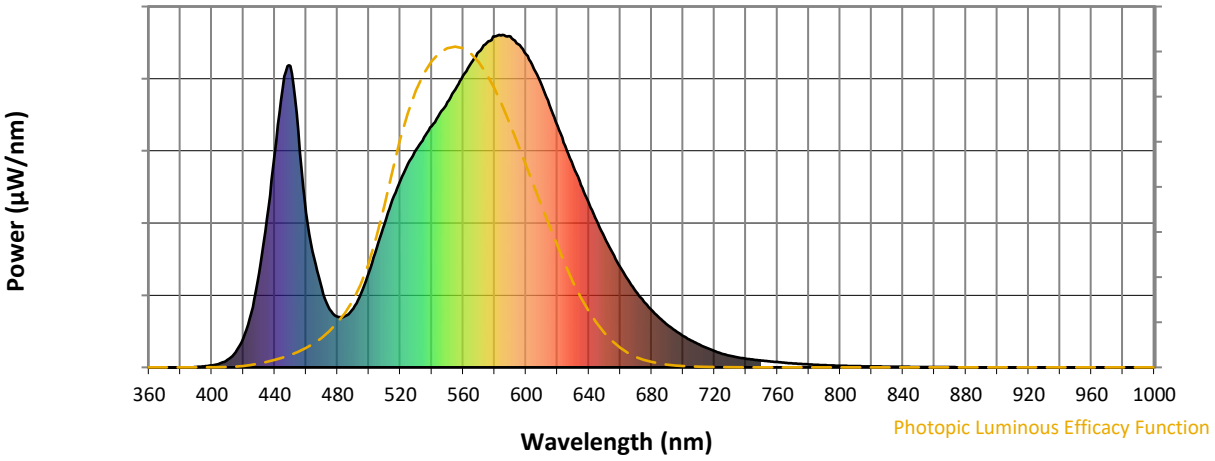


CCT = 3887K
CIE x = 0.3870
CIE y = 0.3847
Duv = 0.0018

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-176-9

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	177	NR	620	727	NR	750	21	NR	880	0	NR
365	0	NR	495	222	NR	625	666	NR	755	18	NR	885	0	NR
370	0	NR	500	286	NR	630	606	NR	760	16	NR	890	0	NR
375	0	NR	505	359	NR	635	549	NR	765	14	NR	895	0	NR
380	0	NR	510	433	NR	640	493	NR	770	12	NR	900	0	NR
385	0	NR	515	505	NR	645	440	NR	775	10	NR	905	0	NR
390	1	NR	520	562	NR	650	390	NR	780	9	NR	910	0	NR
395	3	NR	525	613	NR	655	344	NR	785	8	NR	915	0	NR
400	6	NR	530	654	NR	660	301	NR	790	7	NR	920	0	NR
405	11	NR	535	692	NR	665	263	NR	795	6	NR	925	0	NR
410	23	NR	540	726	NR	670	228	NR	800	5	NR	930	0	NR
415	45	NR	545	763	NR	675	198	NR	805	4	NR	935	0	NR
420	88	NR	550	798	NR	680	172	NR	810	4	NR	940	0	NR
425	164	NR	555	837	NR	685	148	NR	815	3	NR	945	0	NR
430	281	NR	560	878	NR	690	128	NR	820	3	NR	950	0	NR
435	447	NR	565	915	NR	695	110	NR	825	2	NR	955	0	NR
440	642	NR	570	948	NR	700	95	NR	830	2	NR	960	0	NR
445	838	NR	575	976	NR	705	81	NR	835	2	NR	965	0	NR
450	907	NR	580	995	NR	710	69	NR	840	2	NR	970	0	NR
455	710	NR	585	1000	NR	715	58	NR	845	1	NR	975	0	NR
460	465	NR	590	995	NR	720	49	NR	850	1	NR	980	0	NR
465	330	NR	595	972	NR	725	41	NR	855	1	NR	985	0	NR
470	236	NR	600	941	NR	730	35	NR	860	1	NR	990	0	NR
475	174	NR	605	898	NR	735	30	NR	865	1	NR	995	0	NR
480	152	NR	610	848	NR	740	26	NR	870	1	NR	1000	0	NR
485	155	NR	615	788	NR	745	23	NR	875	0	NR			

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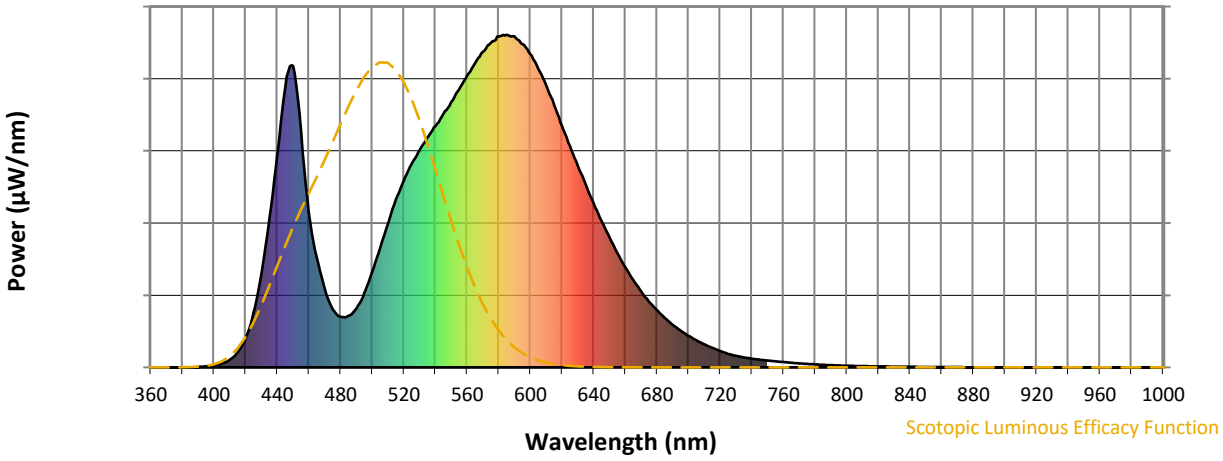
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.49**

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	177	NR	620	727	NR	750	21	NR	880	0	NR
365	0	NR	495	222	NR	625	666	NR	755	18	NR	885	0	NR
370	0	NR	500	286	NR	630	606	NR	760	16	NR	890	0	NR
375	0	NR	505	359	NR	635	549	NR	765	14	NR	895	0	NR
380	0	NR	510	433	NR	640	493	NR	770	12	NR	900	0	NR
385	0	NR	515	505	NR	645	440	NR	775	10	NR	905	0	NR
390	1	NR	520	562	NR	650	390	NR	780	9	NR	910	0	NR
395	3	NR	525	613	NR	655	344	NR	785	8	NR	915	0	NR
400	6	NR	530	654	NR	660	301	NR	790	7	NR	920	0	NR
405	11	NR	535	692	NR	665	263	NR	795	6	NR	925	0	NR
410	23	NR	540	726	NR	670	228	NR	800	5	NR	930	0	NR
415	45	NR	545	763	NR	675	198	NR	805	4	NR	935	0	NR
420	88	NR	550	798	NR	680	172	NR	810	4	NR	940	0	NR
425	164	NR	555	837	NR	685	148	NR	815	3	NR	945	0	NR
430	281	NR	560	878	NR	690	128	NR	820	3	NR	950	0	NR
435	447	NR	565	915	NR	695	110	NR	825	2	NR	955	0	NR
440	642	NR	570	948	NR	700	95	NR	830	2	NR	960	0	NR
445	838	NR	575	976	NR	705	81	NR	835	2	NR	965	0	NR
450	907	NR	580	995	NR	710	69	NR	840	2	NR	970	0	NR
455	710	NR	585	1000	NR	715	58	NR	845	1	NR	975	0	NR
460	465	NR	590	995	NR	720	49	NR	850	1	NR	980	0	NR
465	330	NR	595	972	NR	725	41	NR	855	1	NR	985	0	NR
470	236	NR	600	941	NR	730	35	NR	860	1	NR	990	0	NR
475	174	NR	605	898	NR	735	30	NR	865	1	NR	995	0	NR
480	152	NR	610	848	NR	740	26	NR	870	1	NR	1000	0	NR
485	155	NR	615	788	NR	745	23	NR	875	0	NR			

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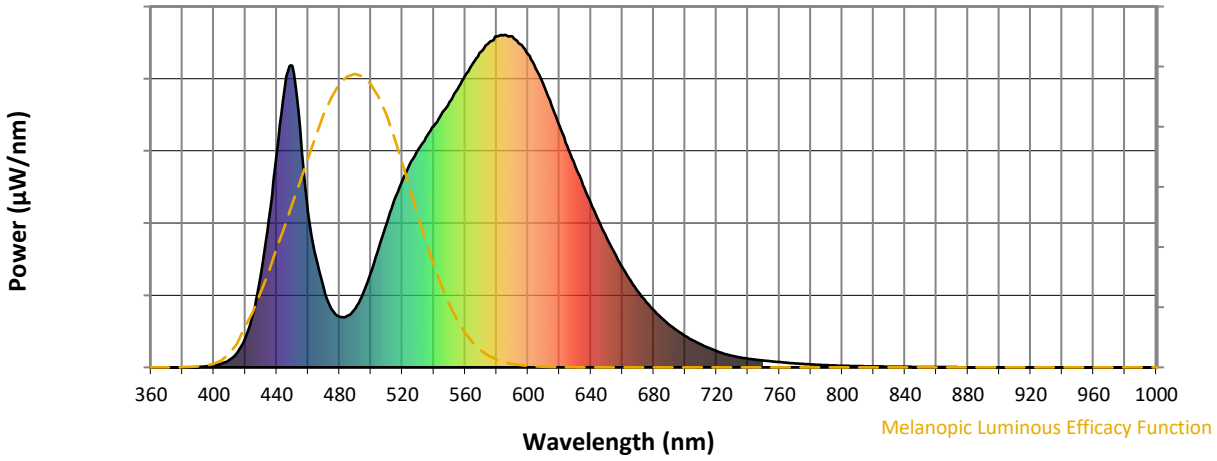
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.89**

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	177	NR	620	727	NR	750	21	NR	880	0	NR
365	0	NR	495	222	NR	625	666	NR	755	18	NR	885	0	NR
370	0	NR	500	286	NR	630	606	NR	760	16	NR	890	0	NR
375	0	NR	505	359	NR	635	549	NR	765	14	NR	895	0	NR
380	0	NR	510	433	NR	640	493	NR	770	12	NR	900	0	NR
385	0	NR	515	505	NR	645	440	NR	775	10	NR	905	0	NR
390	1	NR	520	562	NR	650	390	NR	780	9	NR	910	0	NR
395	3	NR	525	613	NR	655	344	NR	785	8	NR	915	0	NR
400	6	NR	530	654	NR	660	301	NR	790	7	NR	920	0	NR
405	11	NR	535	692	NR	665	263	NR	795	6	NR	925	0	NR
410	23	NR	540	726	NR	670	228	NR	800	5	NR	930	0	NR
415	45	NR	545	763	NR	675	198	NR	805	4	NR	935	0	NR
420	88	NR	550	798	NR	680	172	NR	810	4	NR	940	0	NR
425	164	NR	555	837	NR	685	148	NR	815	3	NR	945	0	NR
430	281	NR	560	878	NR	690	128	NR	820	3	NR	950	0	NR
435	447	NR	565	915	NR	695	110	NR	825	2	NR	955	0	NR
440	642	NR	570	948	NR	700	95	NR	830	2	NR	960	0	NR
445	838	NR	575	976	NR	705	81	NR	835	2	NR	965	0	NR
450	907	NR	580	995	NR	710	69	NR	840	2	NR	970	0	NR
455	710	NR	585	1000	NR	715	58	NR	845	1	NR	975	0	NR
460	465	NR	590	995	NR	720	49	NR	850	1	NR	980	0	NR
465	330	NR	595	972	NR	725	41	NR	855	1	NR	985	0	NR
470	236	NR	600	941	NR	730	35	NR	860	1	NR	990	0	NR
475	174	NR	605	898	NR	735	30	NR	865	1	NR	995	0	NR
480	152	NR	610	848	NR	740	26	NR	870	1	NR	1000	0	NR
485	155	NR	615	788	NR	745	23	NR	875	0	NR			

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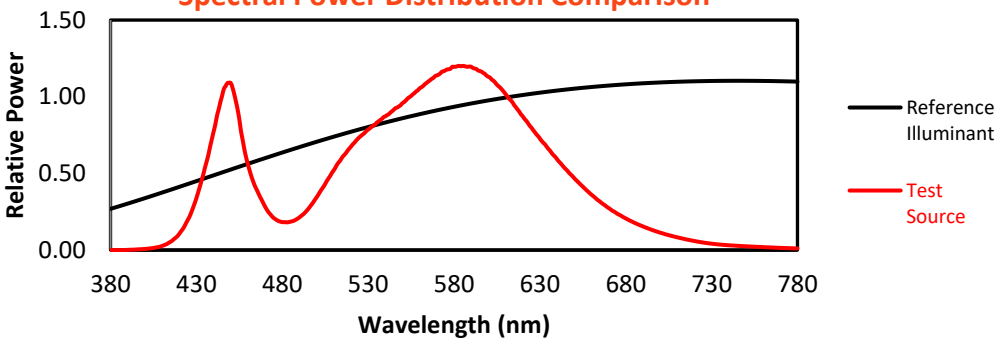
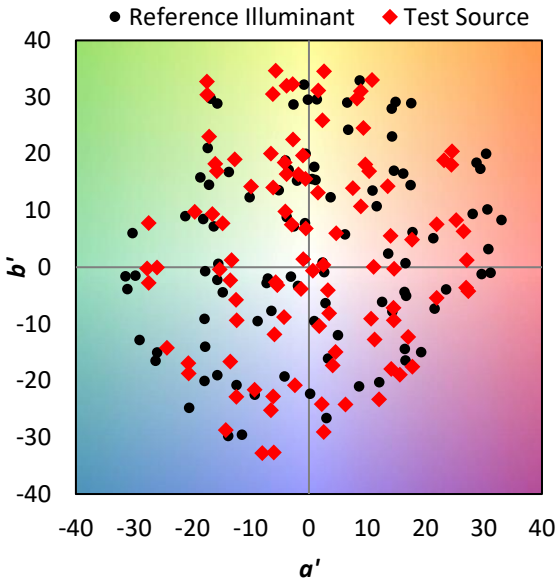
Summary

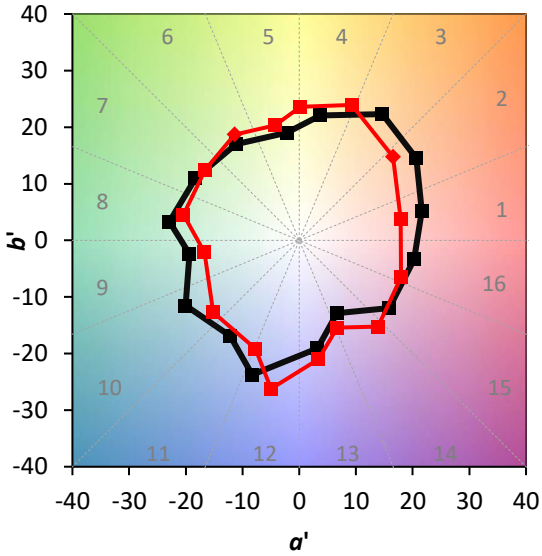
R_f = 74.5
R_g = 93.5
CIE R_a = 71.4
R_9 = -36.8

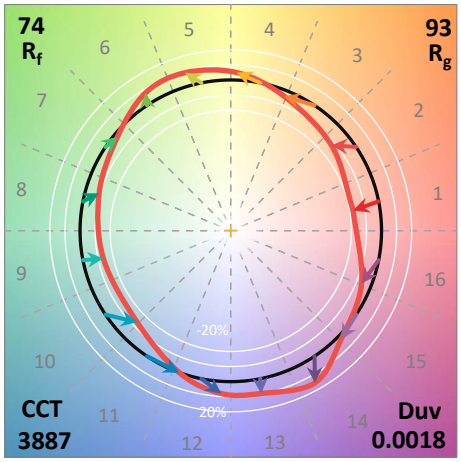
Spectral Power Distribution Comparison

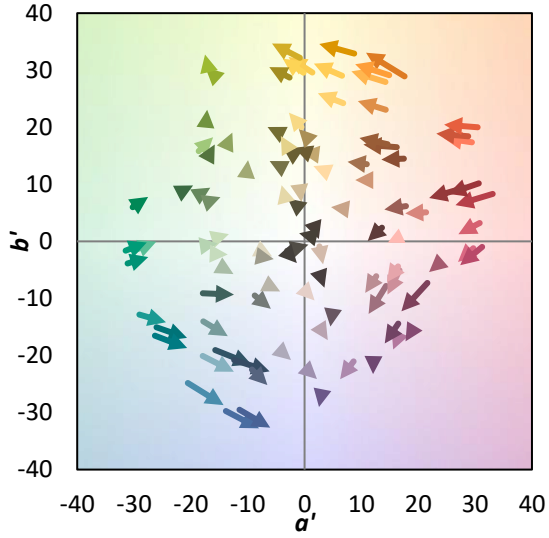


Color Vector Graphics









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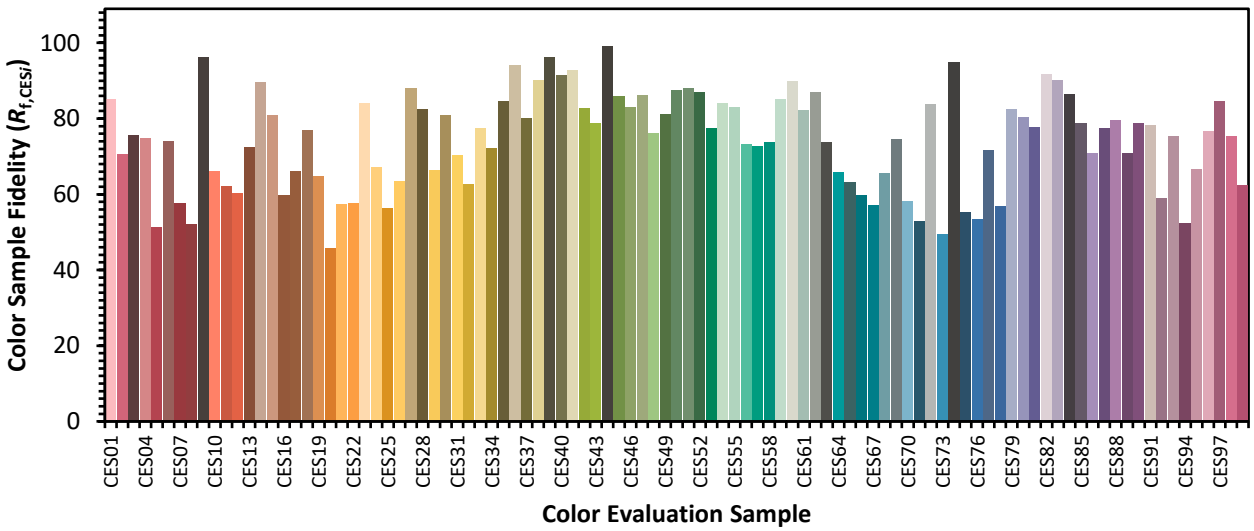
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 63	CES51 = 88	CES76 = 54
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 72
CES03 = 30	CES28 = 82	CES53 = 77	CES78 = 57
CES04 = 70	CES29 = 66	CES54 = 84	CES79 = 83
CES05 = 47	CES30 = 81	CES55 = 83	CES80 = 80
CES06 = 50	CES31 = 70	CES56 = 73	CES81 = 78
CES07 = 40	CES32 = 63	CES57 = 73	CES82 = 92
CES08 = 39	CES33 = 77	CES58 = 74	CES83 = 90
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 90	CES85 = 79
CES11 = 57	CES36 = 94	CES61 = 82	CES86 = 71
CES12 = 63	CES37 = 80	CES62 = 87	CES87 = 77
CES13 = 42	CES38 = 90	CES63 = 74	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 66	CES89 = 71
CES15 = 71	CES40 = 92	CES65 = 63	CES90 = 79
CES16 = 46	CES41 = 93	CES66 = 60	CES91 = 78
CES17 = 49	CES42 = 83	CES67 = 57	CES92 = 59
CES18 = 56	CES43 = 79	CES68 = 65	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 74	CES94 = 52
CES20 = 65	CES45 = 86	CES70 = 58	CES95 = 67
CES21 = 86	CES46 = 83	CES71 = 53	CES96 = 77
CES22 = 78	CES47 = 86	CES72 = 84	CES97 = 85
CES23 = 92	CES48 = 76	CES73 = 49	CES98 = 75
CES24 = 91	CES49 = 81	CES74 = 95	CES99 = 62
CES25 = 72	CES50 = 88	CES75 = 55	



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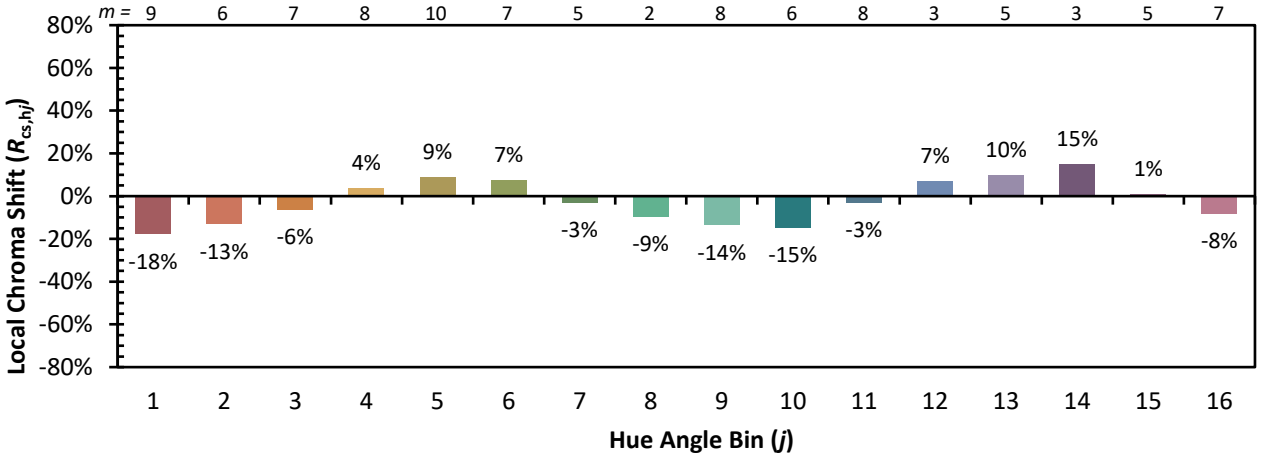
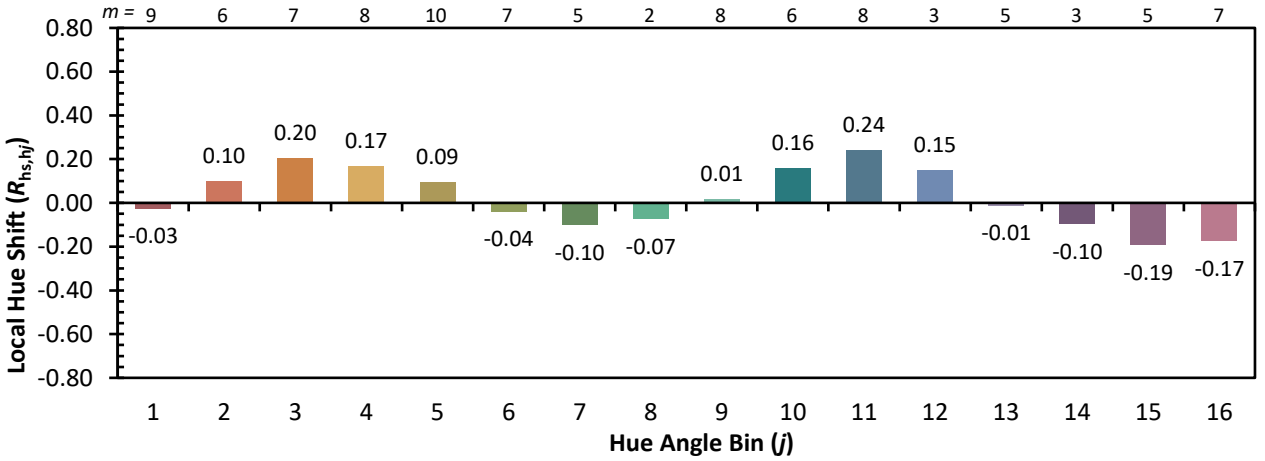
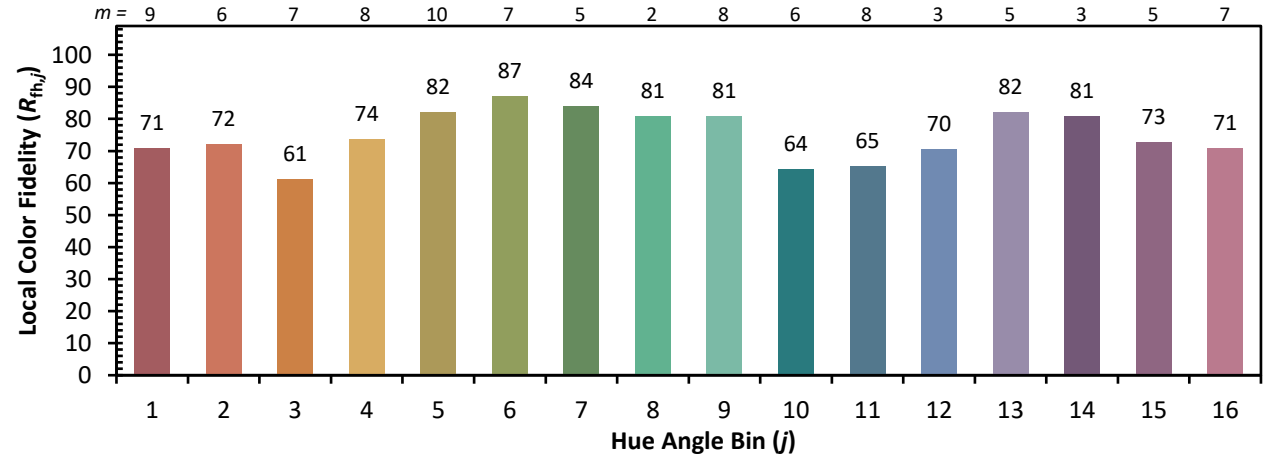
Color Rendition by Hue-Angle Bin







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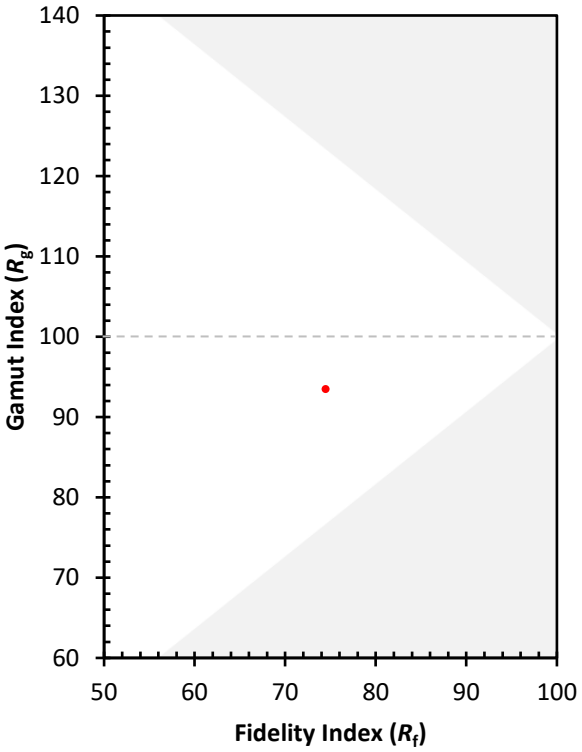
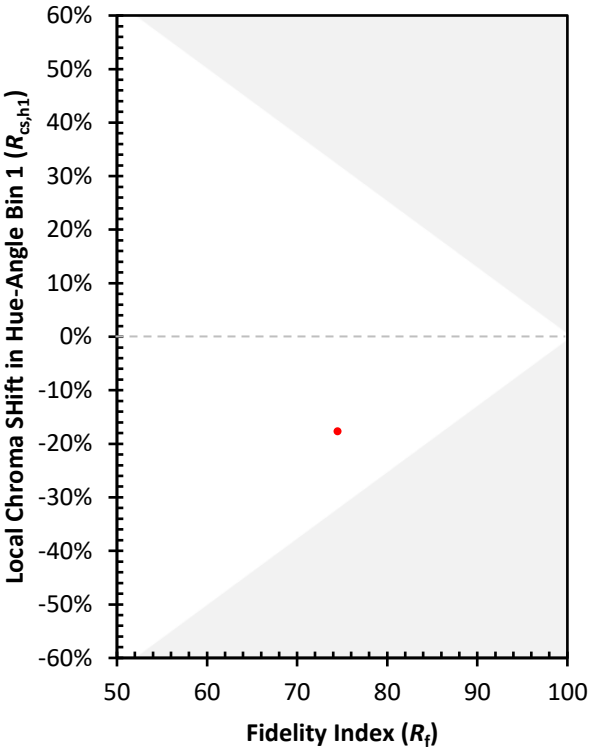
Measure Comparisons





(END OF REPORT)