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: P879633

Luminaire Tested: **MEM2-HSN-VA-130-730-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:	P879633
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	10/01/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-VA-130-730-U-WT4
Description:	EPIC MODERN SHORT HOUSING 130W 70CRI 3000K VISUAL COMFORT FIXTURE w/ DRIVE LANE TYPE IV DISTRIBUTION OPTIC
Light Source:	(1) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12996.2 lumens
Efficiency:	N/A
Efficacy:	100.0 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

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: P879633
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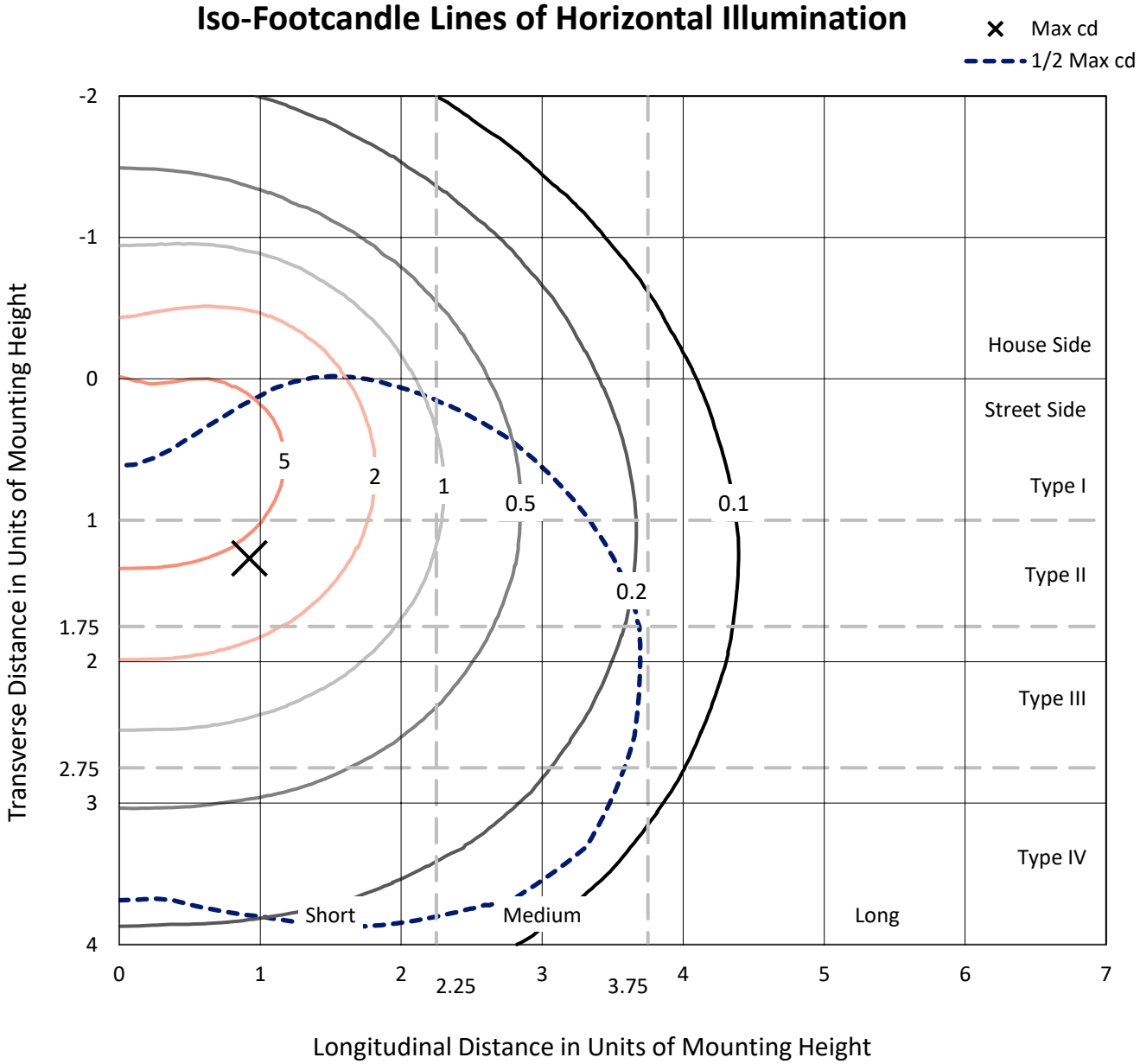
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 8.4 fc
Type IV - Short - N/A

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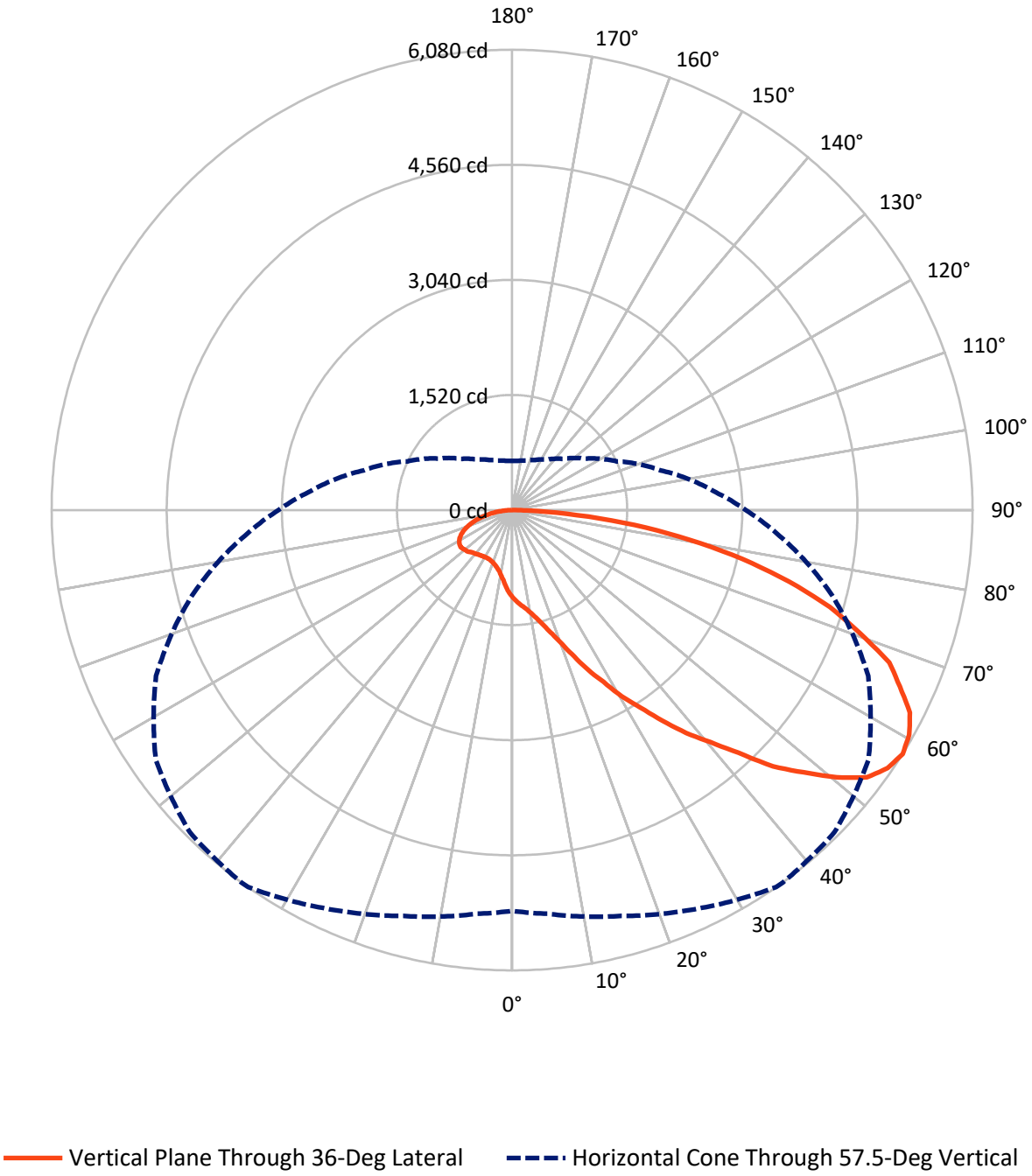
Luminous Intensity Polar Plot



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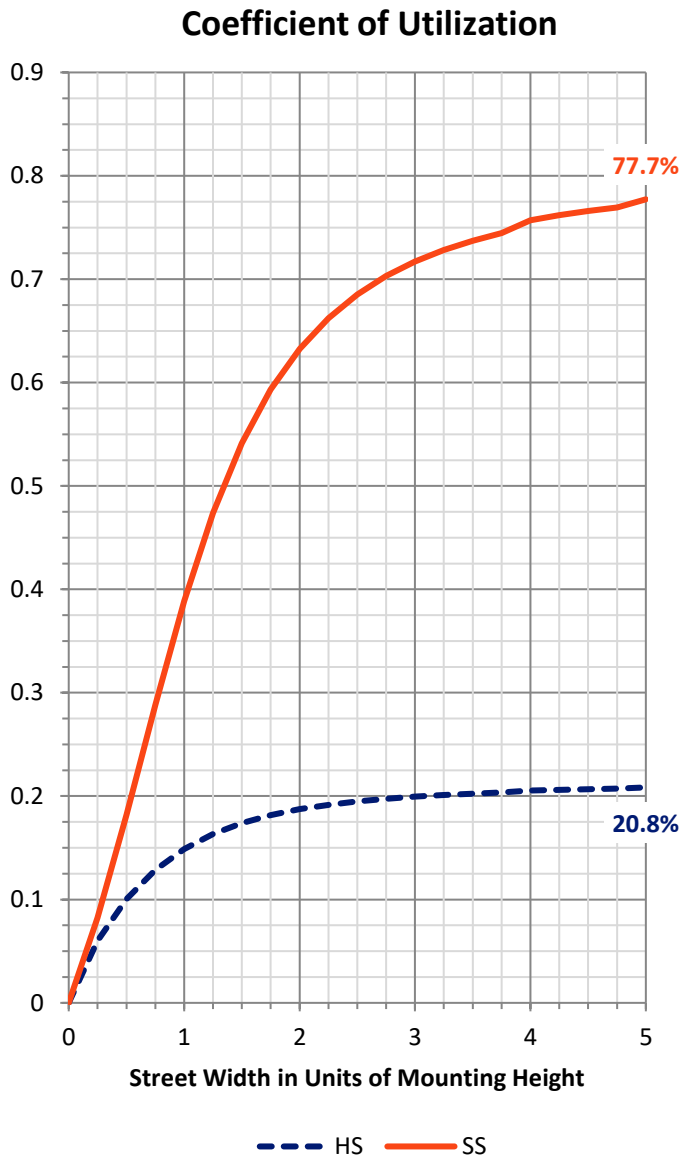
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2747.4	0.0	2747.4
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	10248.9	0.0	10248.9
	% Fixture	78.9	0.0	78.9
Total	Lumens	12996.2	0.0	12996.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	0.8
10°-20°	341.6	2.6
20°-30°	708.7	5.5
30°-40°	1289.1	9.9
40°-50°	2101.7	16.2
50°-60°	2884.7	22.2
60°-70°	2937.1	22.6
70°-80°	2066.4	15.9
80°-90°	558.7	4.3
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°	12996.2	100.0
0°-180°	12996.2	100.0



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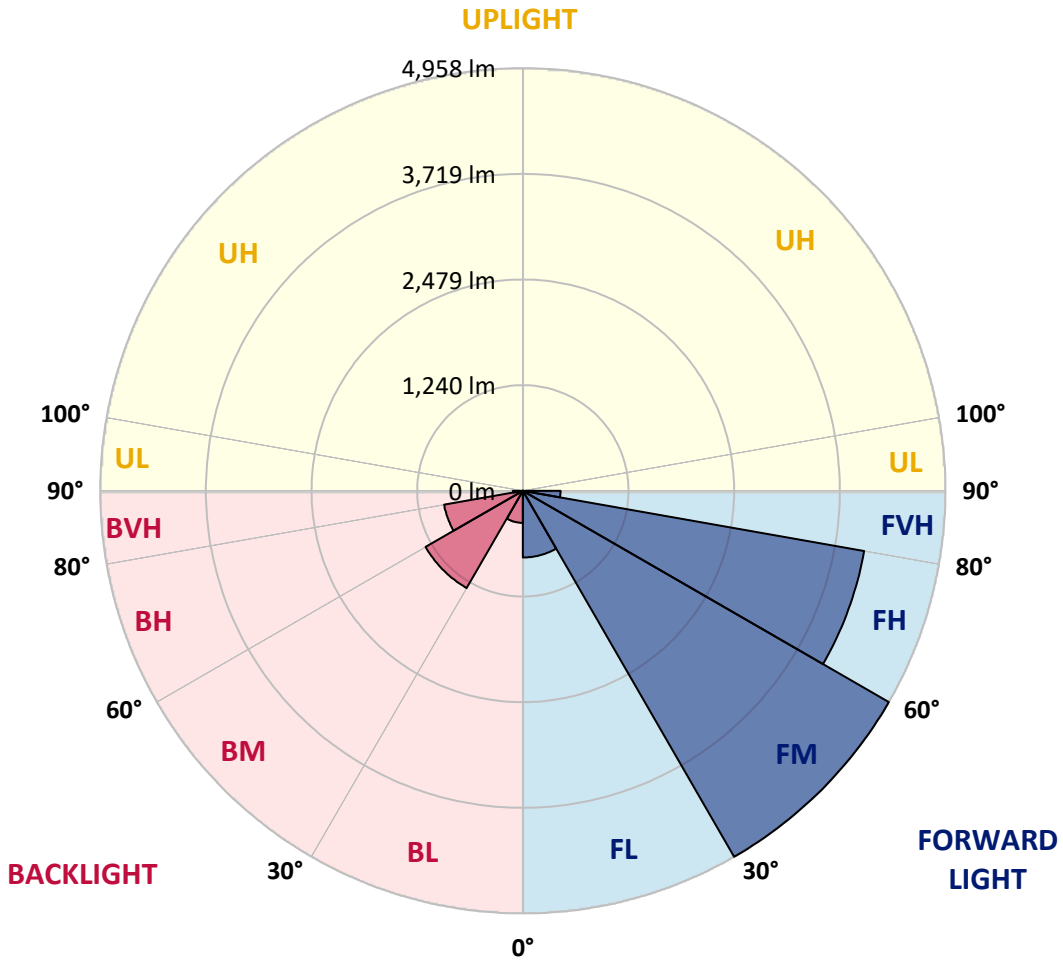
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	782.4	6.0			
FM	(30°-60°)	4958.1	38.2			
FH	(60°-80°)	4066.0	31.3			G2/5000
FVH	(80°-90°)	442.4	3.4			G3/500
BL	(0°-30°)	376.1	2.9	B1/500		
BM	(30°-60°)	1317.4	10.1	B2/2500		
BH	(60°-80°)	937.6	7.2	B2/1000		G2/1000
BVH	(80°-90°)	116.3	0.9			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: P879633
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1154.4	1154.4	1154.4	1154.4	1154.4	*1154.4*	1154.4	1154.4	1154.4	1154.4	1154.4
2.5°	1219.1	1227.5	1220.0	1220.0	1208.8	*1212.5*	1200.3	1191.0	1179.7	1167.5	1155.4
5°	1282.8	1288.4	1285.6	1272.5	1258.4	*1263.1*	1243.4	1221.9	1199.4	1176.0	1152.6
7.5°	1353.1	1360.6	1352.1	1333.4	1314.7	*1314.7*	1290.3	1256.6	1222.8	1185.4	1146.9
10°	1431.8	1441.2	1430.9	1409.3	1378.4	*1385.9*	1347.5	1310.0	1259.4	1208.8	1156.3
12.5°	1539.6	1548.0	1530.2	1516.1	1478.6	*1473.0*	1432.7	1384.0	1323.1	1250.0	1180.7
15°	1653.9	1657.6	1662.3	1634.2	1589.2	*1588.3*	1541.4	1476.8	1400.9	1314.7	1226.6
17.5°	1802.9	1804.7	1787.9	1771.9	1724.2	*1721.3*	1676.4	1602.3	1499.3	1394.3	1286.6
20°	1951.9	1966.8	1962.2	1940.6	1905.9	*1890.9*	1841.3	1749.5	1640.8	1505.8	1365.3
22.5°	2152.4	2164.6	2167.4	2143.0	2115.8	*2103.7*	2049.3	1936.9	1793.5	1634.2	1474.9
25°	2378.2	2379.1	2390.4	2382.0	2334.2	*2342.6*	2269.5	2170.2	2002.5	1801.9	1600.5
27.5°	2623.7	2629.3	2639.6	2626.5	2582.5	*2571.2*	2493.5	2382.0	2203.9	1981.8	1730.7
30°	2845.8	2873.9	2868.3	2882.3	2870.1	*2855.2*	2778.3	2634.0	2395.1	2147.7	1891.9
32.5°	3132.5	3116.6	3126.9	3155.9	3108.2	*3109.1*	3030.4	2881.4	2648.1	2355.7	2027.8
35°	3352.7	3393.0	3414.6	3428.6	3407.1	*3416.4*	3353.7	3174.7	2894.5	2560.9	2188.0
37.5°	3610.4	3652.6	3672.3	3727.5	3751.9	*3736.9*	3673.2	3499.8	3160.6	2775.5	2371.6
40°	3909.3	3937.4	3983.3	4032.1	4043.3	*4027.4*	3962.7	3763.1	3442.7	3015.4	2537.5
42.5°	4228.9	4191.4	4320.7	4346.9	4412.5	*4380.7*	4361.9	4091.1	3706.9	3260.0	2712.7
45°	4510.0	4529.6	4662.7	4794.8	4865.1	*4830.4*	4751.7	4533.4	4086.4	3501.7	2903.9
47.5°	4764.8	4853.9	4936.3	5132.2	5200.6	*5177.1*	5116.2	4847.3	4417.2	3788.4	3123.1
50°	5048.8	5070.3	5230.5	5416.1	5577.3	*5551.0*	5490.1	5224.0	4696.4	4049.9	3281.5
52.5°	5284.0	5223.1	5430.1	5695.3	5883.7	*5864.9*	5776.8	5493.9	4999.1	4223.2	3408.0
55°	5290.5	5363.6	5519.2	5819.9	6024.2	*6017.7*	5974.6	5669.1	5158.4	4352.5	3490.5
57.5°	*5294.3*	*5353.3*	*5551.0*	*5808.7*	*6078.6*	*6080.4*	*6019.5*	*5745.0*	*5187.4*	*4377.8*	*3503.6*
60°	5193.1	5215.6	5487.3	5766.5	6013.9	*6025.2*	5964.2	5724.4	5135.0	4335.7	3452.0
62.5°	5009.4	5048.8	5319.6	5589.4	5871.5	*5894.9*	5834.0	5609.1	5022.5	4242.9	3352.7
65°	4760.2	4769.5	5005.7	5372.0	5585.7	*5626.0*	5615.7	5372.0	4840.7	4070.5	3202.8
67.5°	4413.4	4407.8	4699.2	5002.8	5306.4	*5371.1*	5318.6	5143.4	4541.8	3821.2	3017.3
70°	3974.0	4051.8	4313.2	4629.0	4834.2	*4869.8*	4892.3	4700.2	4241.0	3575.7	2774.6
72.5°	3535.4	3556.1	3764.1	4133.3	4360.0	*4387.2*	4424.7	4226.0	3832.5	3171.9	2474.7
75°	2992.9	2986.3	3212.2	3504.5	3702.2	*3777.2*	3792.2	3635.7	3308.7	2761.5	2146.8
77.5°	2402.6	2428.8	2605.0	2853.3	3050.1	*3105.3*	3167.2	2992.0	2724.0	2293.9	1750.4
80°	1764.4	1762.6	1922.8	2157.1	2383.8	*2377.3*	2398.8	2360.4	2083.0	1781.3	1355.0
82.5°	1161.9	1137.6	1279.1	1433.7	1612.6	*1629.5*	1695.1	1655.7	1489.9	1241.6	942.7
85°	477.9	473.2	601.6	695.3	840.5	*860.2*	917.4	889.2	825.5	689.7	521.0
87.5°	11.2	11.2	11.2	46.9	136.8	*194.0*	195.8	249.3	255.8	219.3	161.2
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: P879633
CATALOG NUMBER: MEM2-HSN-VA-130-730-U-WT4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4	1154.4
2.5°	1149.7	1143.2	1129.1	1118.8	1109.5	1099.1	1093.5	1087.0	1084.2	1083.2	1075.7
5°	1139.4	1125.4	1100.1	1074.8	1052.3	1033.6	1014.8	1000.8	987.6	981.1	978.3
7.5°	1126.3	1105.7	1067.3	1031.7	993.3	963.3	933.3	911.7	903.3	895.8	889.2
10°	1128.2	1101.0	1045.7	994.2	948.3	908.0	870.5	841.5	823.7	806.8	809.6
12.5°	1144.1	1109.5	1042.0	975.5	918.3	865.8	818.0	783.4	757.1	739.3	737.4
15°	1176.9	1133.8	1050.4	971.7	900.5	835.8	781.5	734.6	702.8	684.0	680.3
17.5°	1229.4	1177.9	1072.0	981.1	893.9	819.0	755.3	702.8	662.5	641.9	637.2
20°	1299.7	1232.2	1110.4	994.2	891.1	804.9	733.7	675.6	634.4	607.2	603.5
22.5°	1387.8	1306.2	1153.5	1013.9	896.7	799.3	719.6	655.9	608.1	585.6	581.9
25°	1499.3	1398.1	1211.6	1042.9	906.1	796.5	708.4	641.9	593.1	567.8	566.0
27.5°	1608.0	1491.8	1268.7	1076.7	922.0	800.2	704.7	632.5	582.8	557.5	553.8
30°	1733.5	1595.8	1343.7	1119.8	940.8	806.8	704.7	628.8	577.2	551.9	549.1
32.5°	1881.6	1700.7	1414.9	1165.7	966.1	819.9	708.4	626.9	576.3	550.0	547.2
35°	2007.1	1823.5	1489.0	1211.6	993.3	833.0	717.8	632.5	577.2	552.9	548.2
37.5°	2146.8	1937.8	1567.7	1252.8	1017.6	846.1	723.4	638.1	583.8	557.5	556.6
40°	2301.4	2062.4	1646.4	1306.2	1050.4	867.7	737.4	645.6	593.1	566.0	564.1
42.5°	2453.2	2196.4	1731.6	1366.2	1078.5	882.7	747.8	659.7	601.6	580.0	574.4
45°	2627.5	2332.3	1823.5	1409.3	1113.2	906.1	763.7	671.9	620.3	594.1	593.1
47.5°	2767.1	2452.2	1900.3	1463.7	1158.2	934.2	789.0	689.7	640.0	610.9	612.8
50°	2919.8	2562.8	1950.9	1510.5	1173.2	943.6	798.4	714.0	653.1	631.6	625.9
52.5°	3014.5	2649.0	2010.9	1521.8	1195.7	964.2	813.3	722.5	670.0	646.6	639.1
55°	3089.4	2701.5	2032.4	1535.8	1203.2	966.1	821.8	731.8	679.4	652.2	653.1
57.5°	*3085.7*	*2699.6*	*2028.7*	*1521.8*	*1184.4*	*954.8*	*814.3*	*730.0*	*674.7*	*650.3*	*650.3*
60°	3040.7	2643.4	1979.0	1476.8	1152.6	928.6	795.5	710.3	661.5	641.9	639.1
62.5°	2935.7	2548.7	1912.5	1420.5	1106.6	894.9	771.2	684.0	643.7	623.1	618.4
65°	2798.0	2427.9	1793.5	1345.6	1039.2	845.2	730.0	657.8	617.5	596.0	593.1
67.5°	2621.8	2257.3	1658.6	1242.5	964.2	789.9	684.0	618.4	578.2	563.2	563.2
70°	2401.6	2055.9	1525.5	1128.2	877.1	716.8	625.9	566.9	535.0	517.2	517.2
72.5°	2137.4	1835.7	1351.2	1004.5	780.6	639.1	556.6	512.6	482.6	472.3	465.7
75°	1846.0	1572.4	1151.6	851.8	666.2	551.0	485.4	445.1	422.6	414.2	412.3
77.5°	1526.4	1290.3	927.7	699.0	552.9	459.1	404.8	374.8	359.8	347.6	346.7
80°	1169.4	983.9	711.2	545.4	426.4	352.3	319.5	298.9	288.6	284.9	281.1
82.5°	803.0	696.2	497.6	367.3	298.0	252.1	235.2	225.8	213.6	214.6	212.7
85°	450.7	382.3	267.1	213.6	177.1	157.4	150.9	145.2	147.1	143.4	145.2
87.5°	135.9	126.5	90.9	77.8	67.5	68.4	74.0	76.8	77.8	78.7	80.6
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: SP1-2407-176-20

Test Date: 10/23/2024

Luminaire Tested: MEM2-HTN-VA-150-740-U-WQ

Data in this report applies to families of products including MEM2-HTN-VA-150-740-U-WQ

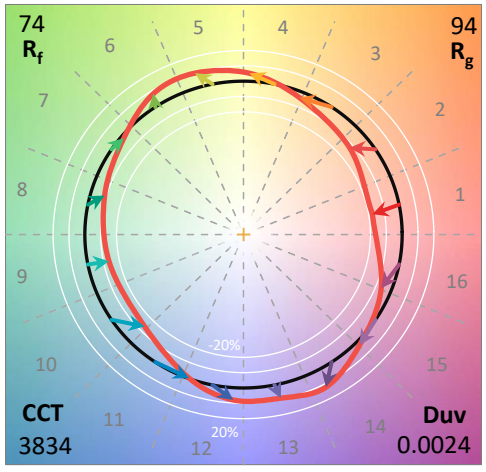
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-20
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/23/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-VA-150-740-U-WQ**
Description:	EPIC MODERN VISUAL COMFORT 150W WAVESTREAM WIDE

Spectral Parameters

CCT (K):	3834	CRI (Ra):	71.3		
CIE u':	0.2270	R1:	67.4	R9:	-37.8
CIE v':	0.5077	R2:	78.6	R10:	50.1
Duv:	0.0024	R3:	88.2	R11:	65.6
CIE x:	0.3900	R4:	70.0	R12:	44.1
CIE y:	0.3877	R5:	67.5	R13:	69.2
CIE z:	0.2223	R6:	70.1	R14:	93.3
Peak Wavelength (nm):	585	R7:	80.0	R15:	59.4
Dominant Wavelength (nm):	578	R8:	48.5		
Purity:	33.41599				
Rf:	74.4				
Rg:	93.6				



Test Conditions

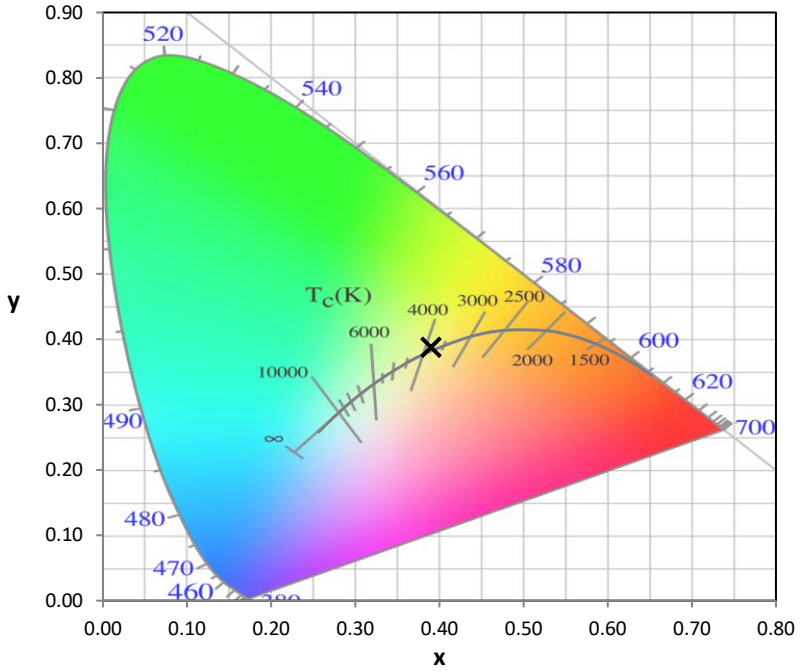
Stabilization Time:	30M
Operation Time:	1H 30M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2407-176-20

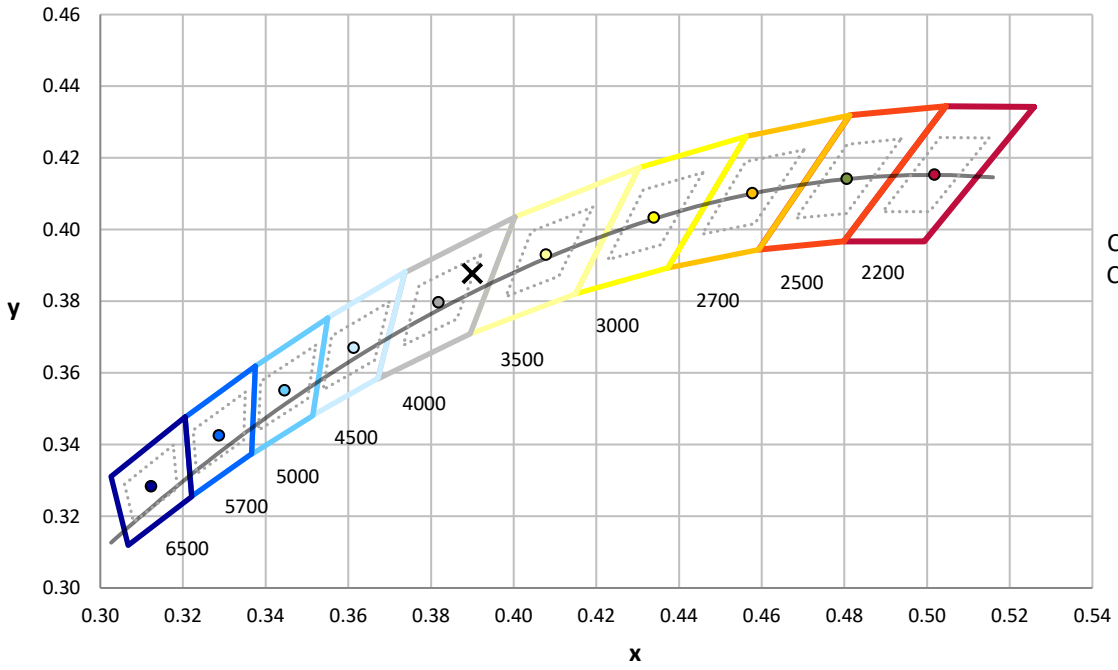
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2407-176-20

CIE 1931 Chromaticity Diagram



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

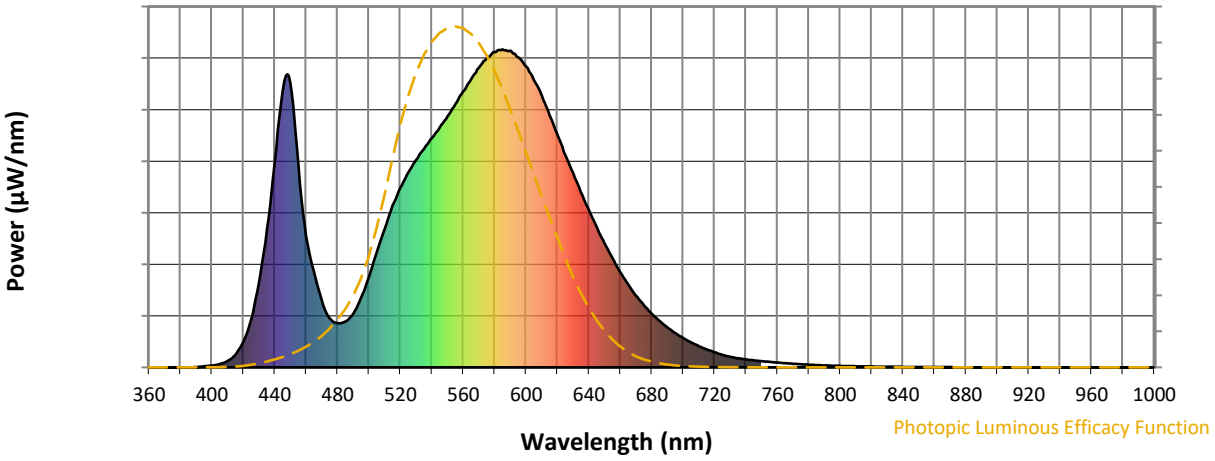


CCT = 3834K
CIE x = 0.3900
CIE y = 0.3877
Duv = 0.0024

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-176-20

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	169	NR	620	731	NR	750	20	NR	880	0	NR
365	0	NR	495	219	NR	625	668	NR	755	17	NR	885	0	NR
370	0	NR	500	285	NR	630	611	NR	760	15	NR	890	0	NR
375	0	NR	505	362	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	435	NR	640	495	NR	770	11	NR	900	0	NR
385	0	NR	515	508	NR	645	440	NR	775	10	NR	905	0	NR
390	1	NR	520	565	NR	650	390	NR	780	8	NR	910	0	NR
395	3	NR	525	612	NR	655	343	NR	785	7	NR	915	0	NR
400	6	NR	530	652	NR	660	299	NR	790	6	NR	920	0	NR
405	10	NR	535	687	NR	665	261	NR	795	5	NR	925	0	NR
410	20	NR	540	720	NR	670	226	NR	800	5	NR	930	0	NR
415	40	NR	545	755	NR	675	195	NR	805	4	NR	935	0	NR
420	80	NR	550	789	NR	680	169	NR	810	3	NR	940	0	NR
425	152	NR	555	828	NR	685	146	NR	815	3	NR	945	0	NR
430	266	NR	560	867	NR	690	126	NR	820	3	NR	950	0	NR
435	435	NR	565	905	NR	695	108	NR	825	2	NR	955	0	NR
440	641	NR	570	942	NR	700	92	NR	830	2	NR	960	0	NR
445	869	NR	575	972	NR	705	79	NR	835	2	NR	965	0	NR
450	894	NR	580	991	NR	710	67	NR	840	2	NR	970	0	NR
455	640	NR	585	1000	NR	715	56	NR	845	1	NR	975	0	NR
460	413	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	300	NR	595	975	NR	725	40	NR	855	1	NR	985	0	NR
470	208	NR	600	946	NR	730	33	NR	860	1	NR	990	0	NR
475	154	NR	605	903	NR	735	29	NR	865	1	NR	995	0	NR
480	139	NR	610	854	NR	740	25	NR	870	1	NR	1000	0	NR
485	144	NR	615	793	NR	745	22	NR	875	0	NR			

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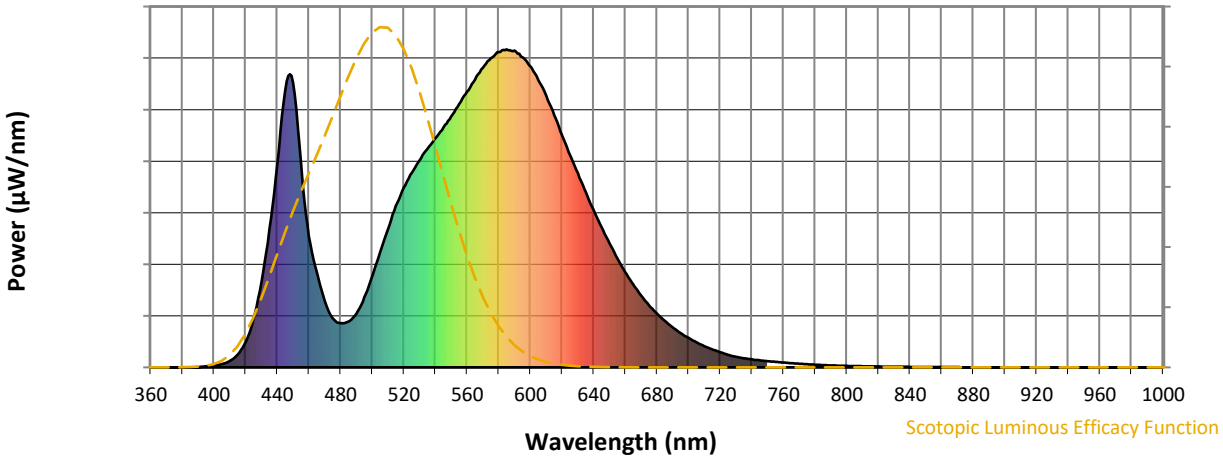
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.47**

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	169	NR	620	731	NR	750	20	NR	880	0	NR
365	0	NR	495	219	NR	625	668	NR	755	17	NR	885	0	NR
370	0	NR	500	285	NR	630	611	NR	760	15	NR	890	0	NR
375	0	NR	505	362	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	435	NR	640	495	NR	770	11	NR	900	0	NR
385	0	NR	515	508	NR	645	440	NR	775	10	NR	905	0	NR
390	1	NR	520	565	NR	650	390	NR	780	8	NR	910	0	NR
395	3	NR	525	612	NR	655	343	NR	785	7	NR	915	0	NR
400	6	NR	530	652	NR	660	299	NR	790	6	NR	920	0	NR
405	10	NR	535	687	NR	665	261	NR	795	5	NR	925	0	NR
410	20	NR	540	720	NR	670	226	NR	800	5	NR	930	0	NR
415	40	NR	545	755	NR	675	195	NR	805	4	NR	935	0	NR
420	80	NR	550	789	NR	680	169	NR	810	3	NR	940	0	NR
425	152	NR	555	828	NR	685	146	NR	815	3	NR	945	0	NR
430	266	NR	560	867	NR	690	126	NR	820	3	NR	950	0	NR
435	435	NR	565	905	NR	695	108	NR	825	2	NR	955	0	NR
440	641	NR	570	942	NR	700	92	NR	830	2	NR	960	0	NR
445	869	NR	575	972	NR	705	79	NR	835	2	NR	965	0	NR
450	894	NR	580	991	NR	710	67	NR	840	2	NR	970	0	NR
455	640	NR	585	1000	NR	715	56	NR	845	1	NR	975	0	NR
460	413	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	300	NR	595	975	NR	725	40	NR	855	1	NR	985	0	NR
470	208	NR	600	946	NR	730	33	NR	860	1	NR	990	0	NR
475	154	NR	605	903	NR	735	29	NR	865	1	NR	995	0	NR
480	139	NR	610	854	NR	740	25	NR	870	1	NR	1000	0	NR
485	144	NR	615	793	NR	745	22	NR	875	0	NR			

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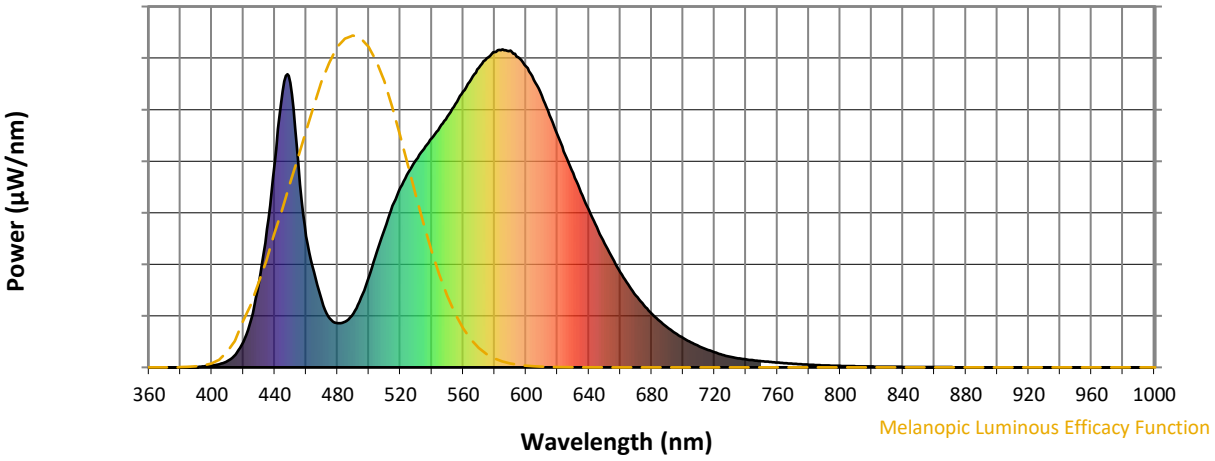
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.83**

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	169	NR	620	731	NR	750	20	NR	880	0	NR
365	0	NR	495	219	NR	625	668	NR	755	17	NR	885	0	NR
370	0	NR	500	285	NR	630	611	NR	760	15	NR	890	0	NR
375	0	NR	505	362	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	435	NR	640	495	NR	770	11	NR	900	0	NR
385	0	NR	515	508	NR	645	440	NR	775	10	NR	905	0	NR
390	1	NR	520	565	NR	650	390	NR	780	8	NR	910	0	NR
395	3	NR	525	612	NR	655	343	NR	785	7	NR	915	0	NR
400	6	NR	530	652	NR	660	299	NR	790	6	NR	920	0	NR
405	10	NR	535	687	NR	665	261	NR	795	5	NR	925	0	NR
410	20	NR	540	720	NR	670	226	NR	800	5	NR	930	0	NR
415	40	NR	545	755	NR	675	195	NR	805	4	NR	935	0	NR
420	80	NR	550	789	NR	680	169	NR	810	3	NR	940	0	NR
425	152	NR	555	828	NR	685	146	NR	815	3	NR	945	0	NR
430	266	NR	560	867	NR	690	126	NR	820	3	NR	950	0	NR
435	435	NR	565	905	NR	695	108	NR	825	2	NR	955	0	NR
440	641	NR	570	942	NR	700	92	NR	830	2	NR	960	0	NR
445	869	NR	575	972	NR	705	79	NR	835	2	NR	965	0	NR
450	894	NR	580	991	NR	710	67	NR	840	2	NR	970	0	NR
455	640	NR	585	1000	NR	715	56	NR	845	1	NR	975	0	NR
460	413	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	300	NR	595	975	NR	725	40	NR	855	1	NR	985	0	NR
470	208	NR	600	946	NR	730	33	NR	860	1	NR	990	0	NR
475	154	NR	605	903	NR	735	29	NR	865	1	NR	995	0	NR
480	139	NR	610	854	NR	740	25	NR	870	1	NR	1000	0	NR
485	144	NR	615	793	NR	745	22	NR	875	0	NR			

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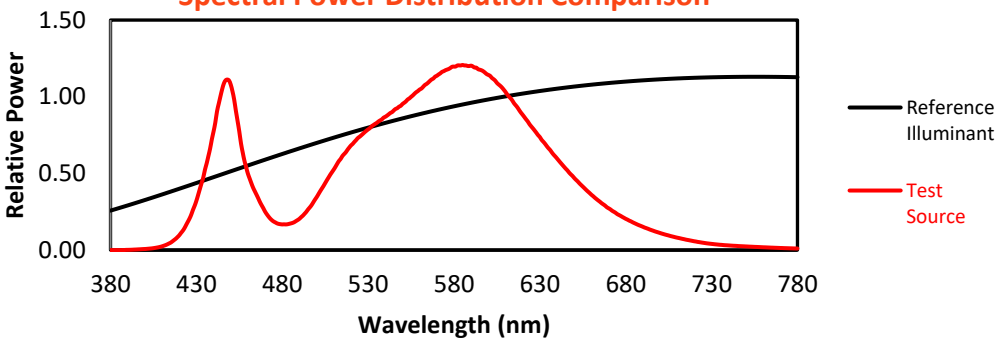
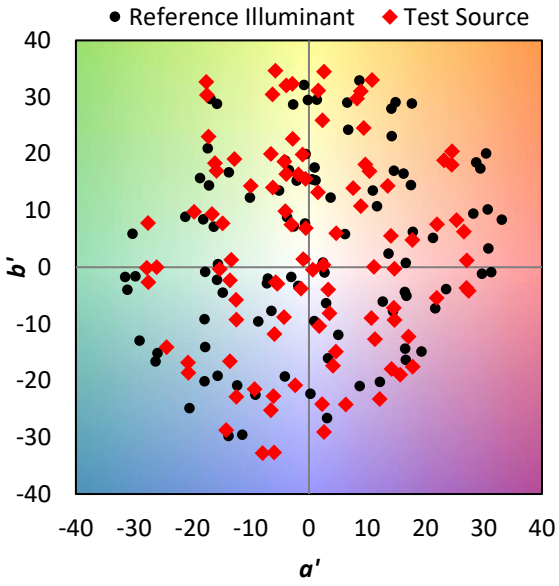
Summary

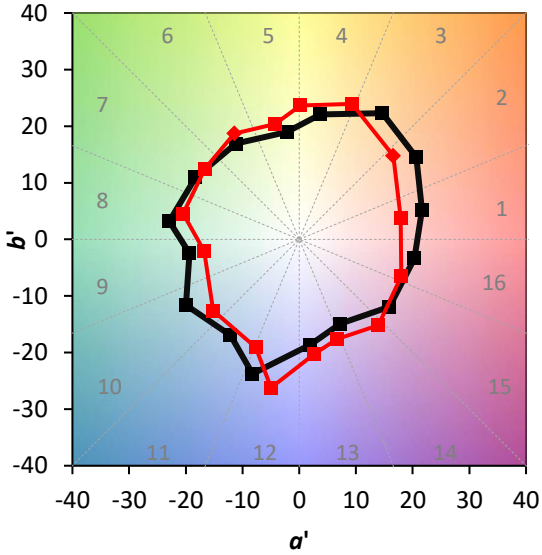
R_f = 74.4
R_g = 93.6
CIE R_a = 71.3
R_9 = -37.8

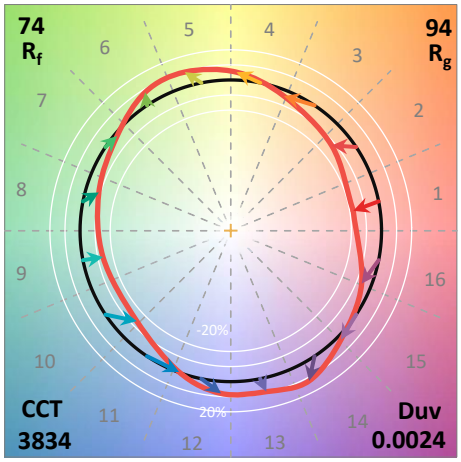
Spectral Power Distribution Comparison

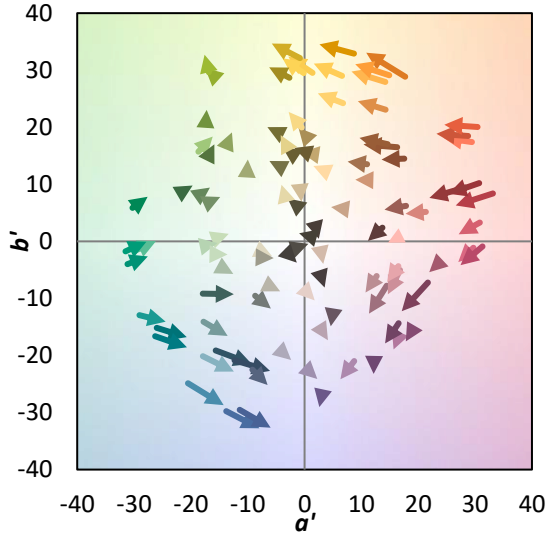


Color Vector Graphics









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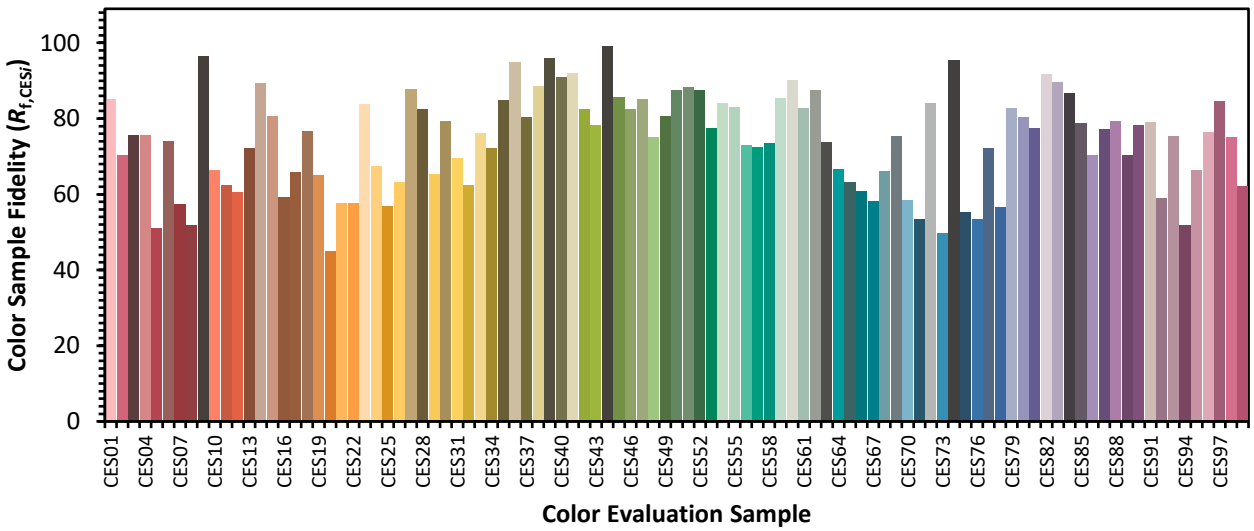
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 63	CES51 = 88	CES76 = 54
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 77	CES78 = 57
CES04 = 70	CES29 = 65	CES54 = 84	CES79 = 83
CES05 = 47	CES30 = 79	CES55 = 83	CES80 = 80
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 78
CES07 = 40	CES32 = 62	CES57 = 72	CES82 = 92
CES08 = 39	CES33 = 76	CES58 = 74	CES83 = 90
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 90	CES85 = 79
CES11 = 57	CES36 = 95	CES61 = 83	CES86 = 70
CES12 = 63	CES37 = 80	CES62 = 88	CES87 = 77
CES13 = 42	CES38 = 89	CES63 = 74	CES88 = 79
CES14 = 74	CES39 = 96	CES64 = 67	CES89 = 70
CES15 = 71	CES40 = 91	CES65 = 63	CES90 = 78
CES16 = 46	CES41 = 92	CES66 = 61	CES91 = 79
CES17 = 49	CES42 = 83	CES67 = 58	CES92 = 59
CES18 = 56	CES43 = 78	CES68 = 66	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 75	CES94 = 52
CES20 = 65	CES45 = 86	CES70 = 59	CES95 = 67
CES21 = 86	CES46 = 82	CES71 = 54	CES96 = 76
CES22 = 78	CES47 = 85	CES72 = 84	CES97 = 85
CES23 = 92	CES48 = 75	CES73 = 50	CES98 = 75
CES24 = 91	CES49 = 81	CES74 = 96	CES99 = 62
CES25 = 72	CES50 = 88	CES75 = 55	



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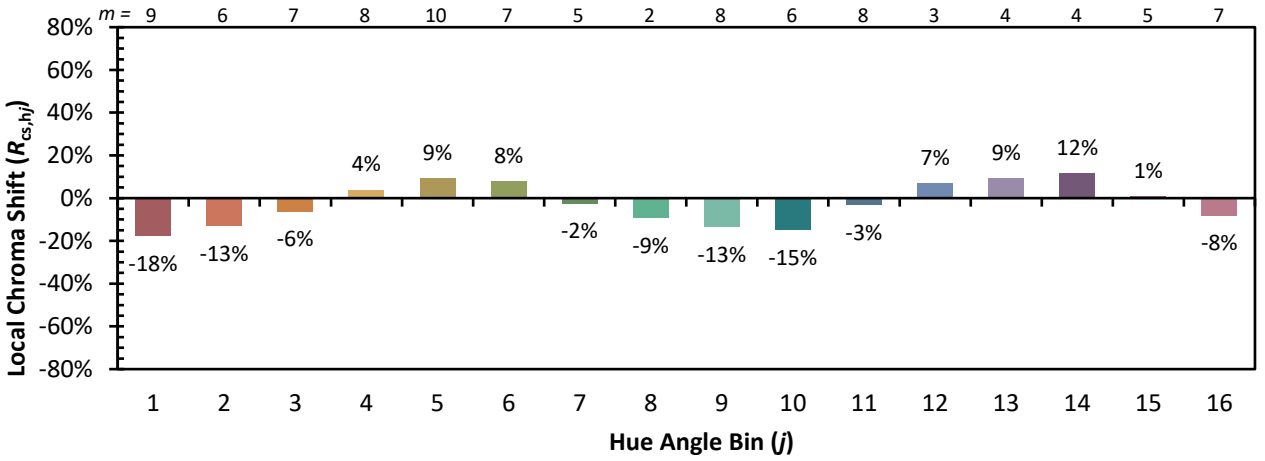
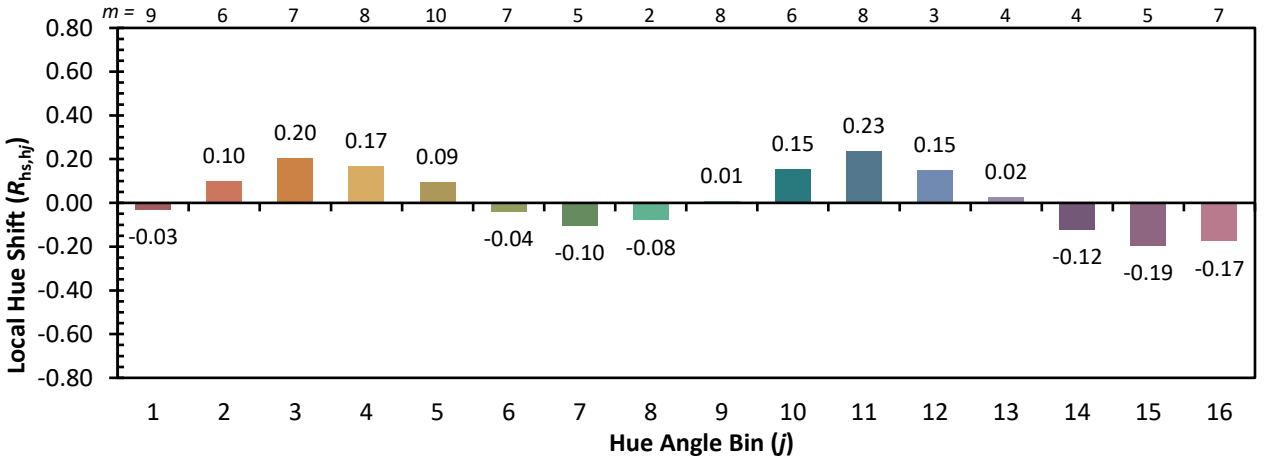
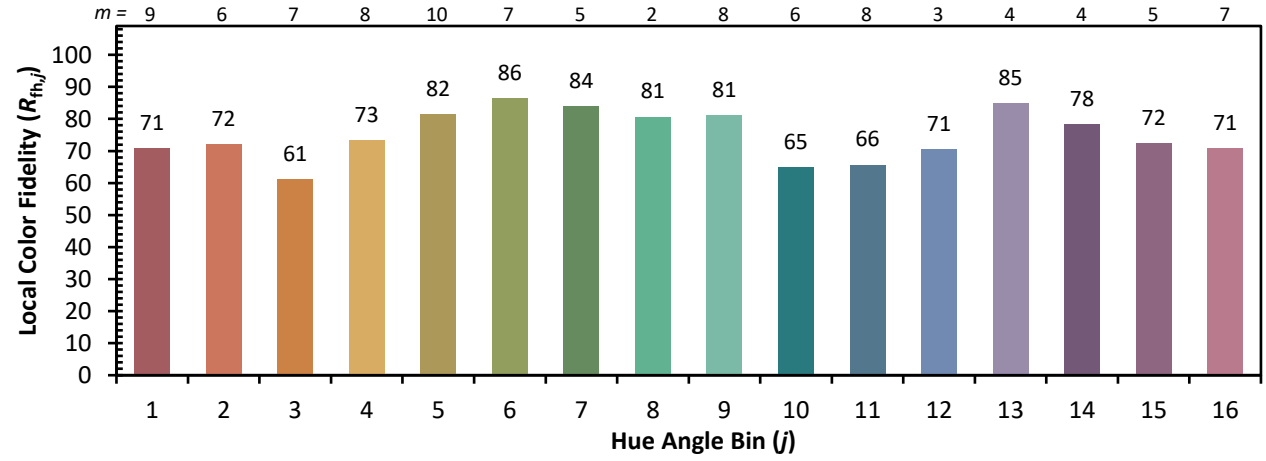
Color Rendition by Hue-Angle Bin







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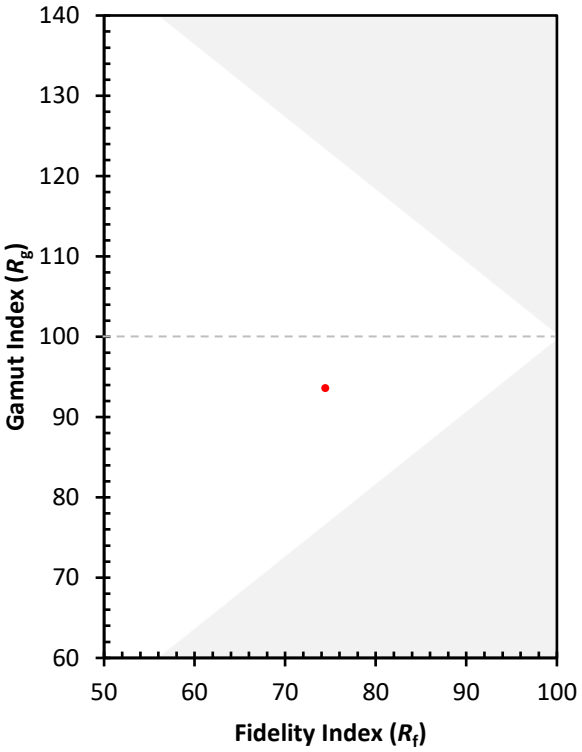
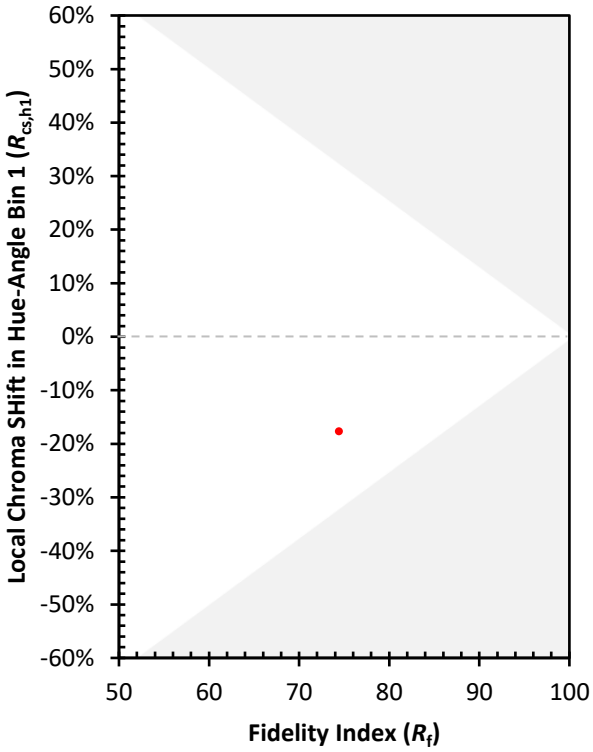
Measure Comparisons





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