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: P868115

Luminaire Tested: **MEM2-HSN-SA-40-740-U-T4W**

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:	P868115
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-SA-40-740-U-T4W
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 40W 70CRI 4000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source:	(10) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6163.4 lumens
Efficiency:	N/A
Efficacy:	140.1 lumens/watt
Luminous Opening:	Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	44
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.91%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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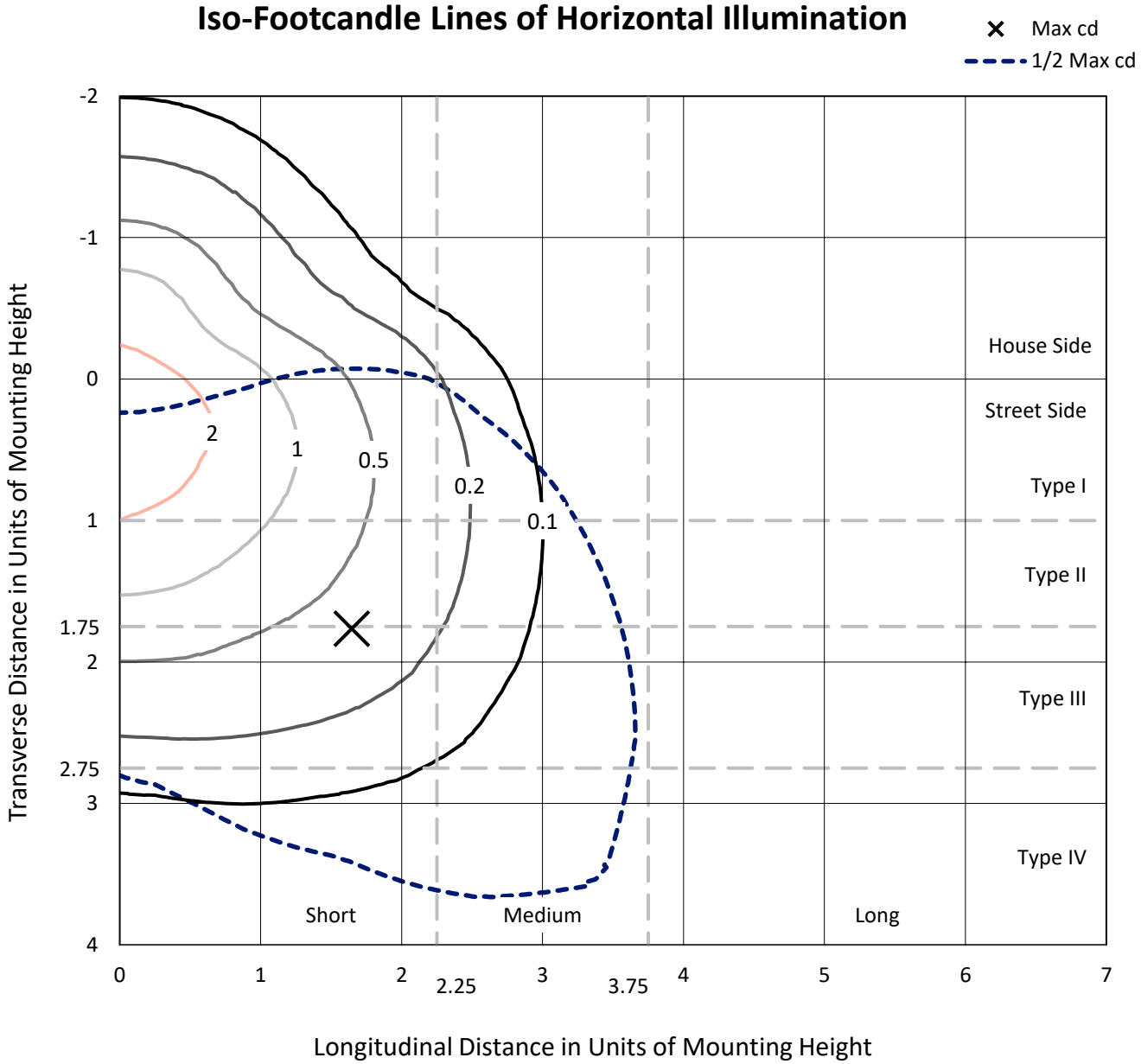
Scaled Data Report

REPORT NUMBER: P868115
CATALOG NUMBER: MEM2-HSN-SA-40-740-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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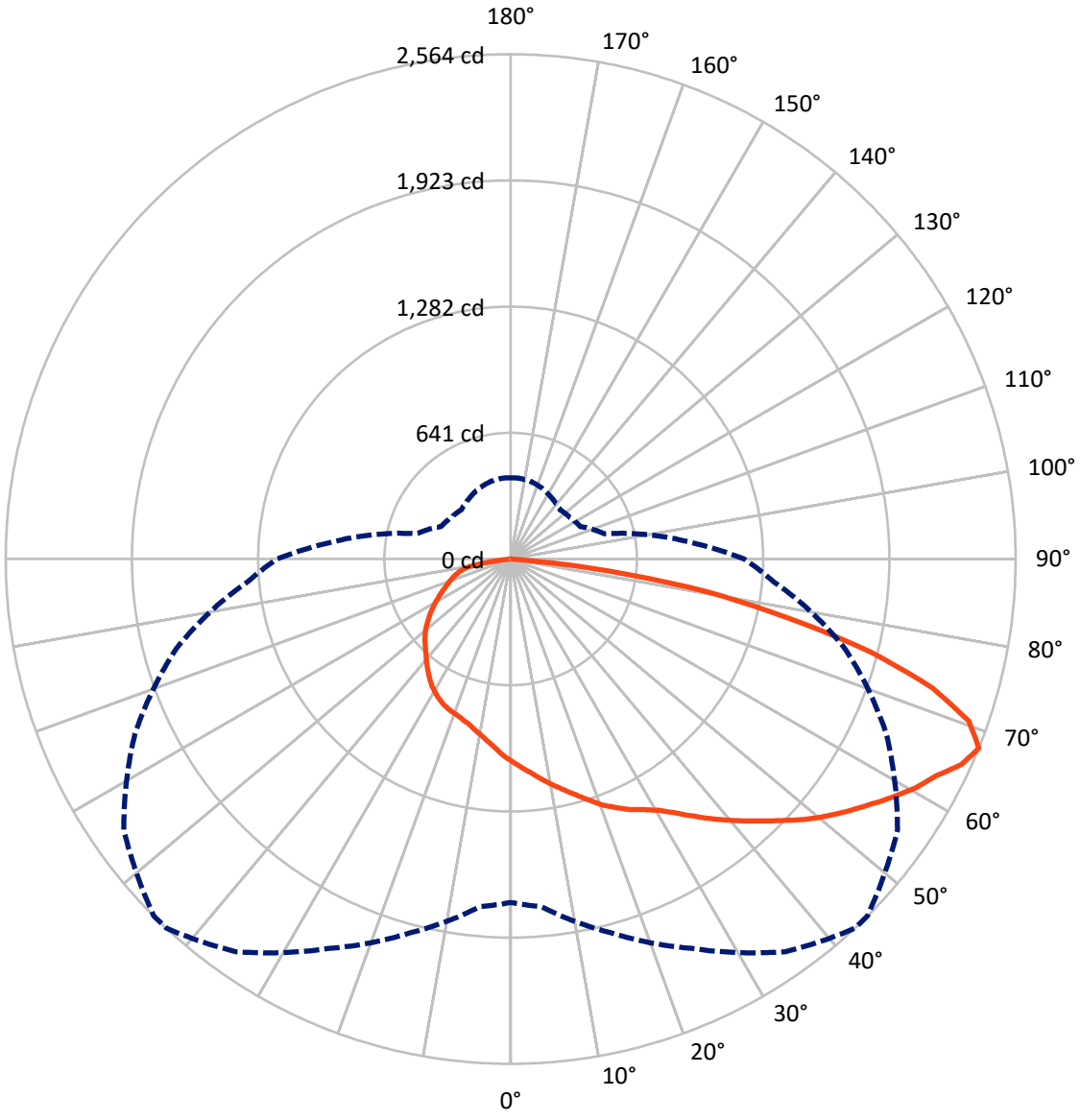
Luminous Intensity Polar Plot



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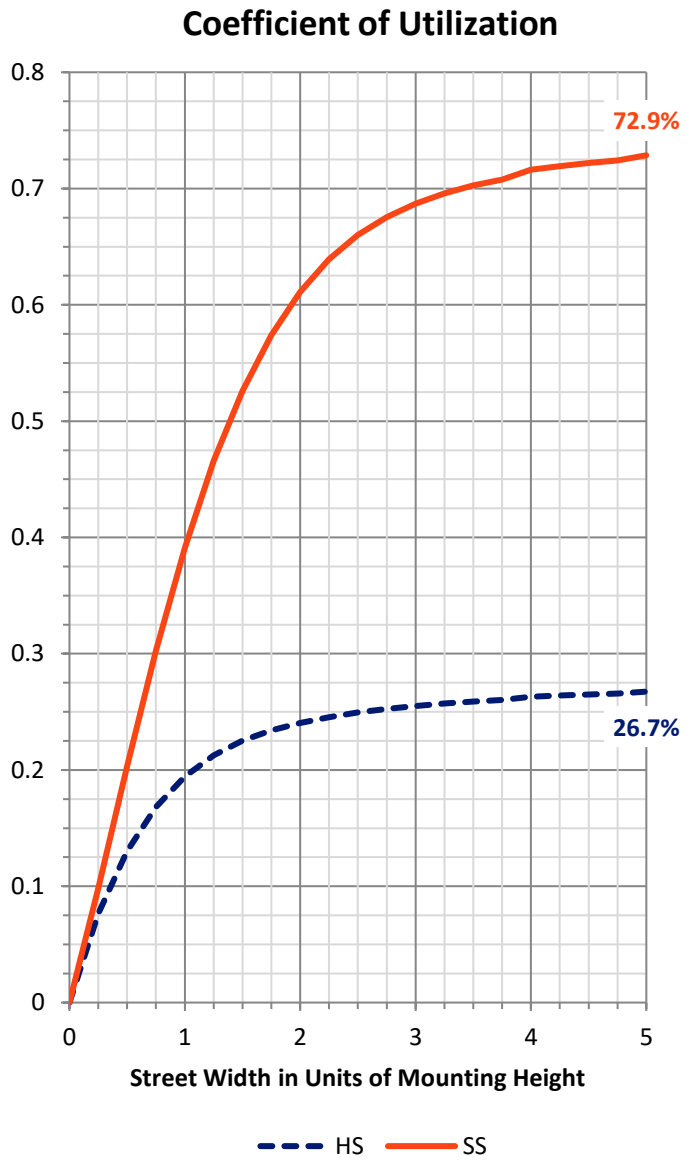
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1658.0	0.0	1658.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	4505.4	0.0	4505.4
	% Fixture	73.1	0.0	73.1
Total	Lumens	6163.4	0.0	6163.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	1.6
10°-20°	300.7	4.9
20°-30°	513.0	8.3
30°-40°	748.2	12.1
40°-50°	1005.2	16.3
50°-60°	1230.5	20.0
60°-70°	1295.0	21.0
70°-80°	845.5	13.7
80°-90°	126.8	2.1
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°	6163.4	100.0
0°-180°	6163.4	100.0



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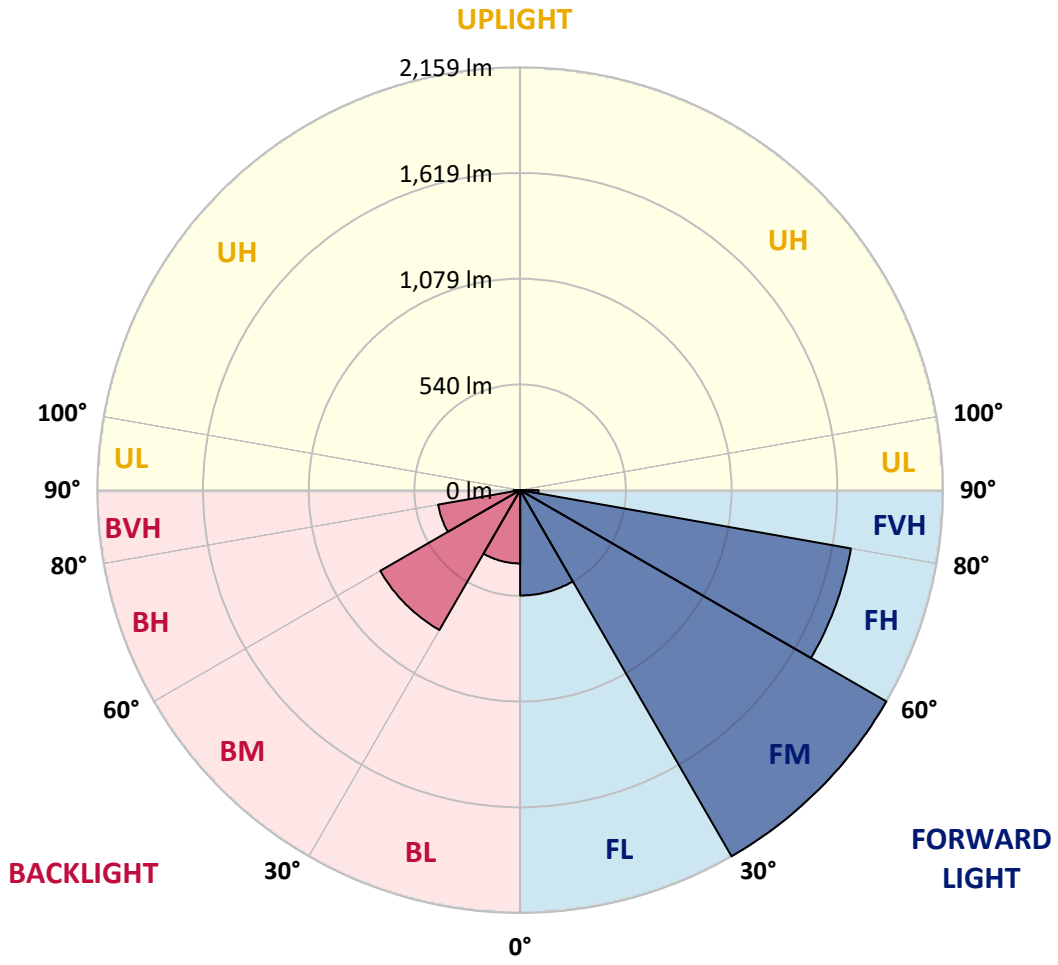
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	537.9	8.7			
FM	(30°-60°)	2159.0	35.0			
FH	(60°-80°)	1715.0	27.8			G1/1800
FVH	(80°-90°)	93.6	1.5			G1/100
BL	(0°-30°)	374.3	6.1	B1/500		
BM	(30°-60°)	824.9	13.4	B1/1000		
BH	(60°-80°)	425.5	6.9	B1/500		G1/500
BVH	(80°-90°)	33.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type IV Short



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REPORT NUMBER: P868115
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	*1028.9*	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1076.2	1075.0	1071.3	1068.8	1061.3	*1060.0*	1060.0	1052.5	1043.8	1038.8	1033.8
5°	1124.9	1118.6	1116.2	1111.2	1098.7	*1091.2*	1093.7	1080.0	1062.5	1050.1	1036.3
7.5°	1168.5	1166.0	1157.3	1151.1	1136.1	*1128.6*	1126.1	1104.9	1082.5	1063.8	1041.3
10°	1220.9	1214.7	1209.7	1197.2	1177.3	*1166.0*	1162.3	1134.9	1106.2	1081.2	1051.3
12.5°	1268.3	1260.8	1254.6	1242.1	1222.2	*1203.4*	1198.5	1167.3	1131.1	1097.4	1060.0
15°	1304.5	1305.7	1299.5	1288.3	1265.8	*1243.4*	1239.6	1198.5	1154.8	1113.7	1068.8
17.5°	1338.1	1343.1	1339.4	1331.9	1309.5	*1287.0*	1283.3	1237.1	1184.7	1132.4	1078.7
20°	1370.6	1370.6	1369.3	1364.3	1348.1	*1333.1*	1325.7	1279.5	1213.4	1152.3	1092.5
22.5°	1389.3	1394.3	1394.3	1394.3	1384.3	*1371.8*	1369.3	1324.4	1252.1	1177.3	1104.9
25°	1417.9	1424.2	1424.2	1421.7	1413.0	*1409.2*	1405.5	1363.1	1289.5	1205.9	1118.6
27.5°	1479.1	1477.8	1467.8	1455.4	1442.9	*1441.6*	1436.7	1406.7	1333.1	1237.1	1137.4
30°	1563.9	1566.4	1553.9	1515.2	1486.5	*1480.3*	1481.5	1455.4	1384.3	1273.3	1158.6
32.5°	1693.6	1693.6	1644.9	1595.0	1553.9	*1537.7*	1533.9	1511.5	1436.7	1313.2	1182.2
35°	1790.8	1787.1	1759.7	1701.0	1649.9	*1603.8*	1597.5	1567.6	1495.3	1358.1	1208.4
37.5°	1864.4	1871.9	1850.7	1805.8	1755.9	*1676.1*	1663.6	1621.2	1548.9	1401.7	1234.6
40°	2006.6	1987.9	1936.7	1895.6	1835.7	*1747.2*	1736.0	1683.6	1603.8	1450.4	1267.0
42.5°	2110.1	2083.9	2025.3	1970.4	1895.6	*1818.3*	1808.3	1750.9	1667.4	1505.2	1300.7
45°	2258.5	2199.9	2118.8	2070.2	1964.2	*1895.6*	1883.1	1820.8	1733.5	1563.9	1343.1
47.5°	2401.9	2299.6	2213.6	2191.1	2039.0	*1979.1*	1969.2	1896.8	1804.5	1627.5	1384.3
50°	2383.2	2315.9	2287.2	2266.0	2103.9	*2057.7*	2047.7	1974.2	1876.9	1694.8	1425.4
52.5°	2335.8	2342.0	2343.3	2292.2	2165.0	*2131.3*	2121.3	2057.7	1951.7	1753.4	1465.3
55°	2385.7	2393.2	2391.9	2314.6	2236.0	*2204.9*	2198.6	2142.5	2024.0	1808.3	1494.0
57.5°	2461.8	2436.8	2433.1	2370.7	2312.1	*2283.4*	2276.0	2227.3	2085.1	1848.2	1516.5
60°	2475.5	2425.6	2441.8	2383.2	2369.5	*2360.8*	2358.3	2300.9	2142.5	1880.6	1525.2
62.5°	2322.1	2313.4	2377.0	2353.3	2399.4	*2424.4*	2425.6	2353.3	2173.7	1893.1	1516.5
65°	2060.2	2095.1	2232.3	2300.9	2444.3	*2515.4*	2512.9	2384.4	2169.9	1856.9	1462.8
67.5°	*1744.7*	*1772.1*	*1965.4*	*2182.4*	*2434.3*	*2564.0*	*2562.8*	*2398.2*	*2105.1*	*1757.2*	*1341.9*
70°	1323.2	1409.2	1683.6	1969.2	2299.6	*2468.0*	2489.2	2320.8	1956.7	1575.1	1158.6
72.5°	1006.4	1020.1	1351.9	1651.2	2059.0	*2239.8*	2236.0	2073.9	1708.5	1326.9	965.3
75°	714.6	744.5	1017.6	1279.5	1687.3	*1888.1*	1879.4	1701.0	1363.1	1032.6	738.3
77.5°	532.5	543.7	744.5	949.0	1262.1	*1442.9*	1439.1	1257.1	1002.7	758.2	550.0
80°	389.1	407.8	536.3	662.2	855.5	*1011.4*	1006.4	834.3	643.5	530.0	401.6
82.5°	218.2	232.0	311.8	400.3	451.4	*500.1*	478.9	400.3	293.1	228.2	197.0
85°	6.2	7.5	11.2	13.7	23.7	*39.9*	43.6	38.7	46.1	28.7	31.2
87.5°	2.5	2.5	2.5	2.5	2.5	*3.7*	3.7	3.7	3.7	3.7	3.7
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-SA-40-740-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1031.3	1026.4	1016.4	1010.1	1006.4	1001.4	993.9	988.9	985.2	990.2	988.9
5°	1030.1	1020.1	1002.7	990.2	977.7	967.7	956.5	947.8	942.8	945.3	944.1
7.5°	1030.1	1017.6	990.2	970.2	951.5	936.6	924.1	912.9	907.9	909.1	907.9
10°	1035.1	1017.6	981.5	952.8	927.8	910.4	896.7	886.7	882.9	886.7	887.9
12.5°	1040.1	1017.6	974.0	937.8	905.4	886.7	874.2	868.0	870.5	871.7	873.0
15°	1042.6	1016.4	966.5	920.4	884.2	864.2	856.8	855.5	861.7	868.0	869.2
17.5°	1048.8	1015.1	955.3	902.9	865.5	849.3	845.5	850.5	863.0	871.7	874.2
20°	1056.3	1017.6	942.8	881.7	846.8	834.3	840.5	851.8	866.7	879.2	881.7
22.5°	1063.8	1018.9	931.6	863.0	826.8	824.3	838.0	854.3	871.7	884.2	886.7
25°	1072.5	1018.9	916.6	839.3	806.9	810.6	831.8	853.0	869.2	885.4	887.9
27.5°	1081.2	1021.4	900.4	813.1	781.9	793.2	819.3	845.5	863.0	879.2	882.9
30°	1096.2	1026.4	886.7	790.7	757.0	772.0	803.1	833.1	851.8	869.2	873.0
32.5°	1111.2	1033.8	875.5	767.0	732.0	749.5	784.4	818.1	838.0	854.3	856.8
35°	1131.1	1043.8	866.7	743.3	707.1	720.8	758.2	795.6	818.1	830.6	836.8
37.5°	1152.3	1057.5	859.2	722.1	679.7	692.1	732.0	772.0	795.6	808.1	810.6
40°	1178.5	1076.2	854.3	702.1	653.5	663.5	703.4	747.0	769.5	778.2	783.2
42.5°	1207.2	1096.2	850.5	682.2	624.8	634.8	677.2	719.6	742.0	749.5	753.2
45°	1243.4	1122.4	848.0	661.0	601.1	609.8	652.2	694.6	713.3	723.3	727.1
47.5°	1277.0	1148.6	840.5	636.0	574.9	587.4	626.0	663.5	684.7	690.9	694.6
50°	1310.7	1171.0	825.6	608.6	551.2	562.4	597.4	624.8	641.0	648.5	651.0
52.5°	1343.1	1187.2	801.9	579.9	526.3	533.8	562.4	588.6	599.9	602.3	609.8
55°	1364.3	1196.0	768.2	546.2	501.3	503.8	525.0	548.7	555.0	556.2	556.2
57.5°	1379.3	1191.0	728.3	512.6	476.4	476.4	488.9	507.6	510.1	511.3	513.8
60°	1381.8	1173.5	677.2	481.4	449.0	445.2	457.7	468.9	470.2	472.6	475.1
62.5°	1363.1	1134.9	622.3	451.4	422.8	414.0	425.3	436.5	442.7	446.5	449.0
65°	1305.7	1056.3	559.9	421.5	397.8	382.9	396.6	415.3	427.8	429.0	429.0
67.5°	*1186.0*	*929.1*	*493.8*	*390.3*	*367.9*	*354.2*	*371.6*	*391.6*	*406.6*	*412.8*	*411.5*
70°	1005.2	788.2	432.7	357.9	338.0	329.2	347.9	370.4	382.9	387.8	390.3
72.5°	809.4	631.0	379.1	325.5	311.8	306.8	325.5	347.9	365.4	372.9	374.1
75°	629.8	496.3	334.2	291.8	280.6	281.8	301.8	324.2	343.0	346.7	335.5
77.5°	488.9	395.3	291.8	251.9	245.7	254.4	274.4	298.1	309.3	313.0	305.5
80°	352.9	303.0	235.7	198.3	198.3	212.0	229.5	256.9	260.6	255.7	258.1
82.5°	167.1	147.2	116.0	96.0	89.8	99.8	106.0	114.7	124.7	127.2	121.0
85°	22.4	15.0	11.2	12.5	11.2	7.5	5.0	5.0	5.0	3.7	3.7
87.5°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-157-5

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-30-740-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-740-U-5WQ-2

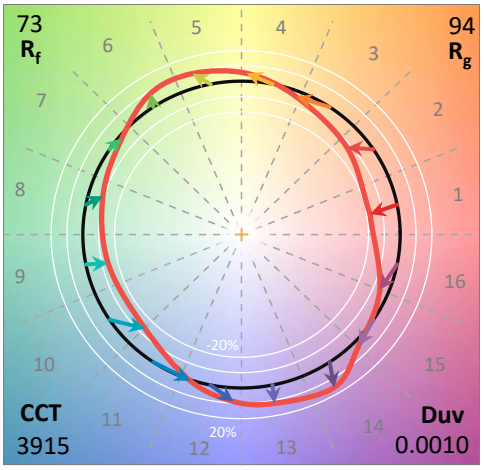
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-5
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-30-740-U-5WQ-2**
Description:	Epic Modern Light Square 30W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	3915	CRI (Ra):	71.0		
CIE u':	0.2262	R1:	67.6	R9:	-38.4
CIE v':	0.5044	R2:	78.3	R10:	48.9
Duv:	0.0010	R3:	87.1	R11:	65.3
CIE x:	0.3850	R4:	69.7	R12:	40.4
CIE y:	0.3816	R5:	67.4	R13:	69.3
CIE z:	0.2334	R6:	69.3	R14:	92.6
Peak Wavelength (nm):	449	R7:	79.7	R15:	59.9
Dominant Wavelength (nm):	578	R8:	48.7		
Purity:	30.05482				
Rf:	73.2				
Rg:	93.9				



Test Conditions

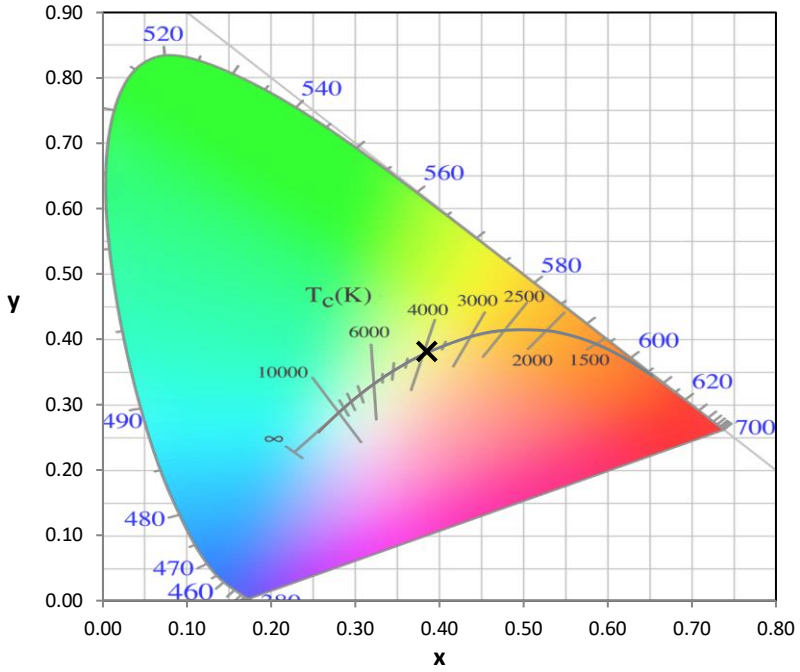
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-5

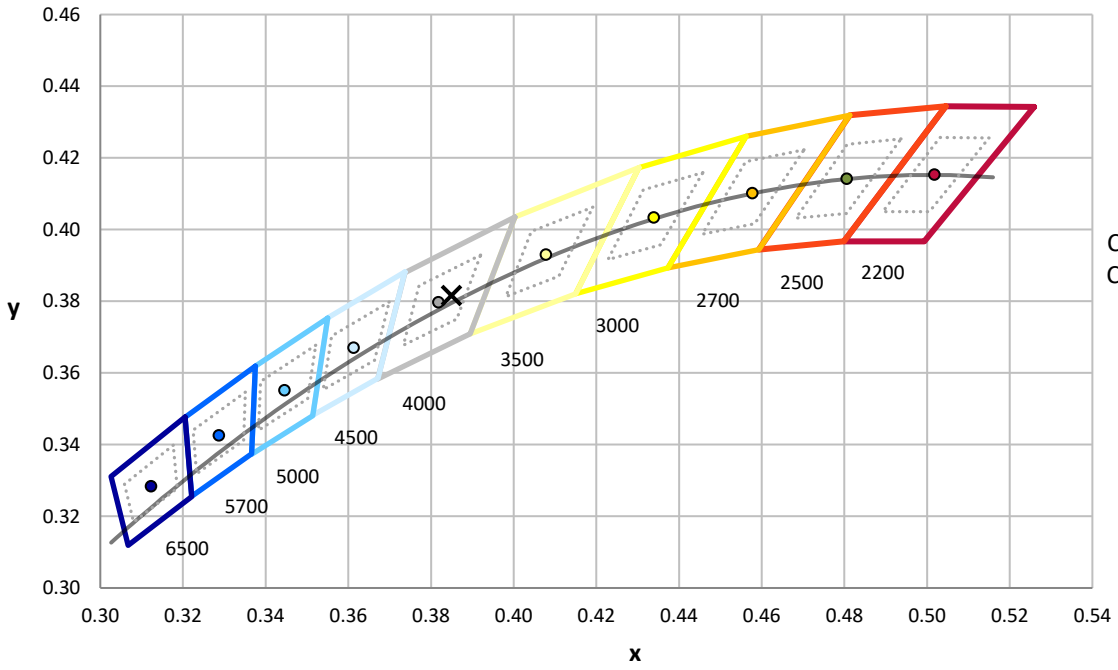
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-5

CIE 1931 Chromaticity Diagram



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

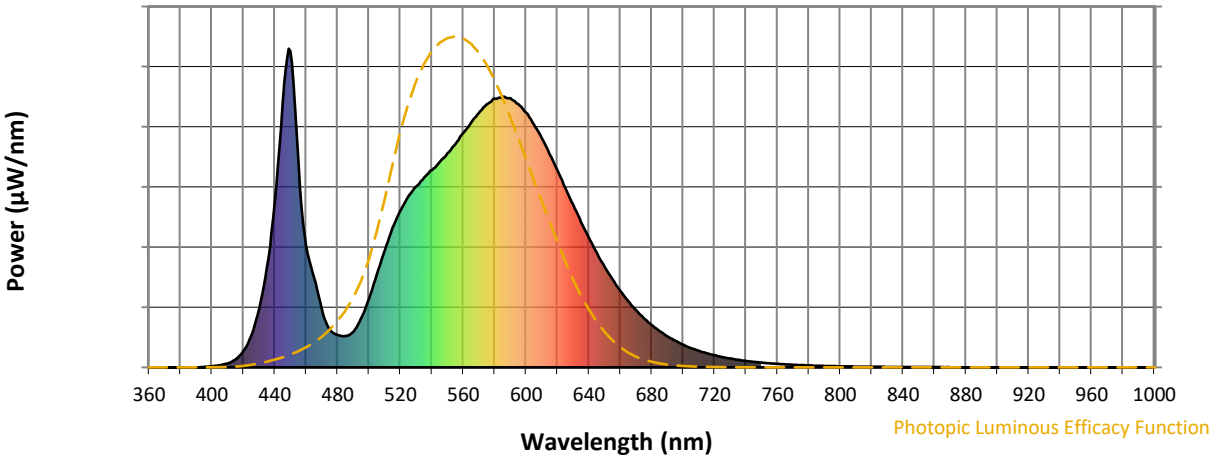


CCT = 3915K
CIE x = 0.3850
CIE y = 0.3816
Duv = 0.0010

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-5

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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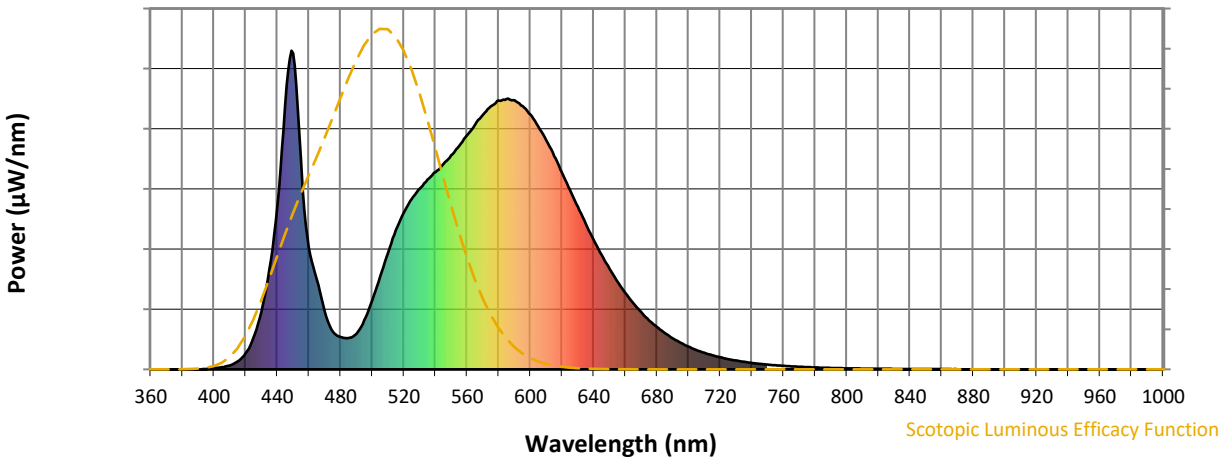
Scotopic Flux vs. Wavelength



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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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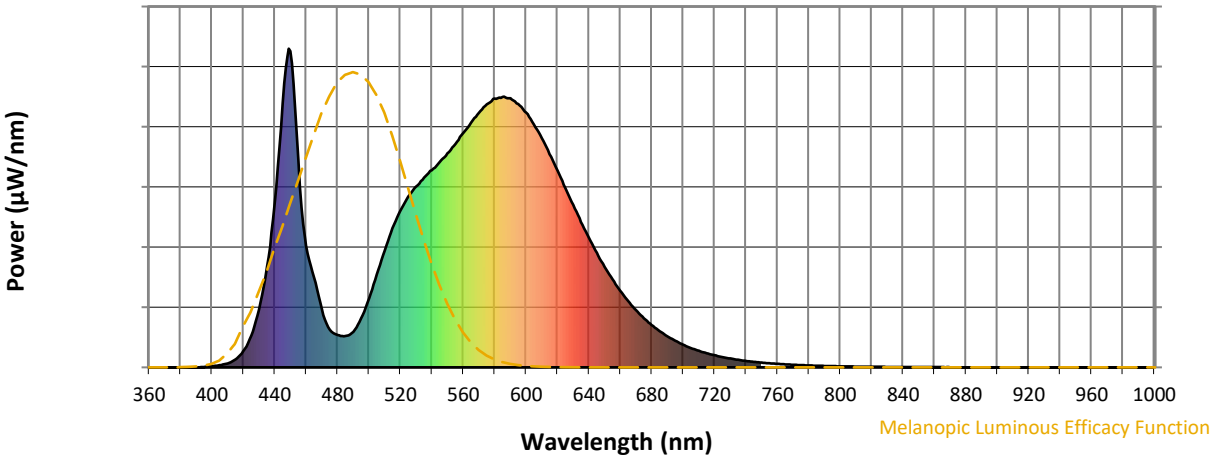
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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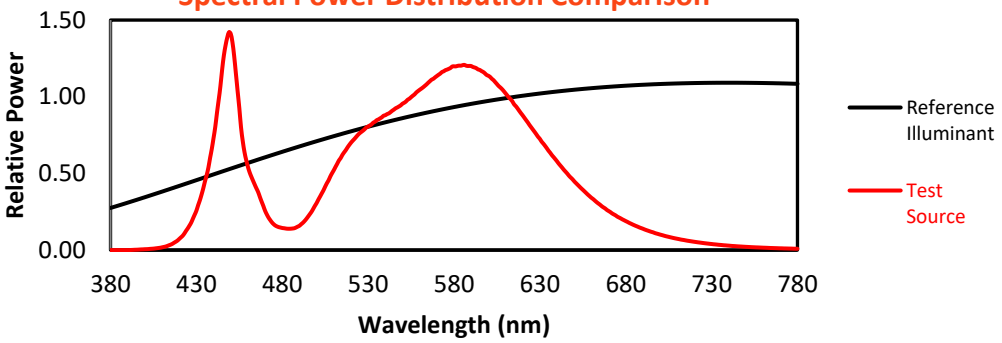
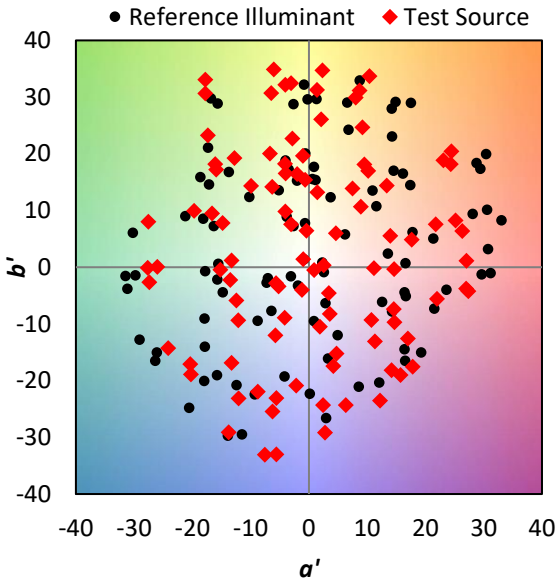
Summary

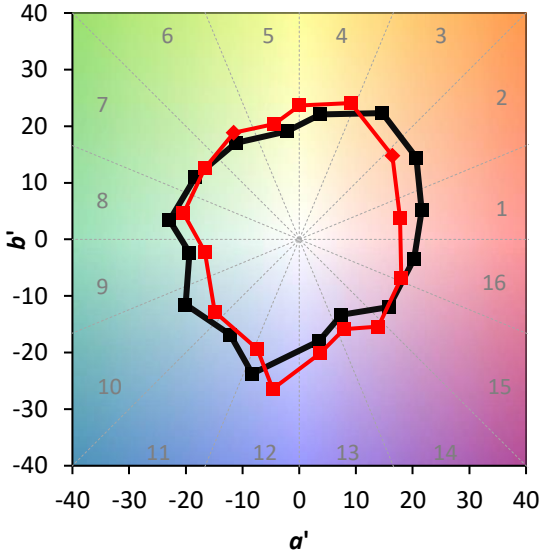
R_f = 73.2
R_g = 93.9
CIE R_a = 71.0
R_9 = -38.4

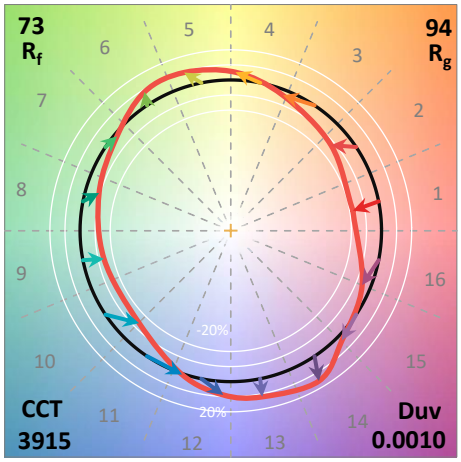
Spectral Power Distribution Comparison

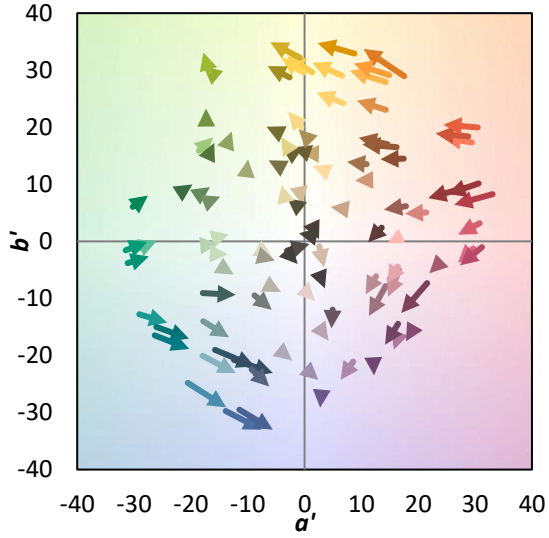


Color Vector Graphics









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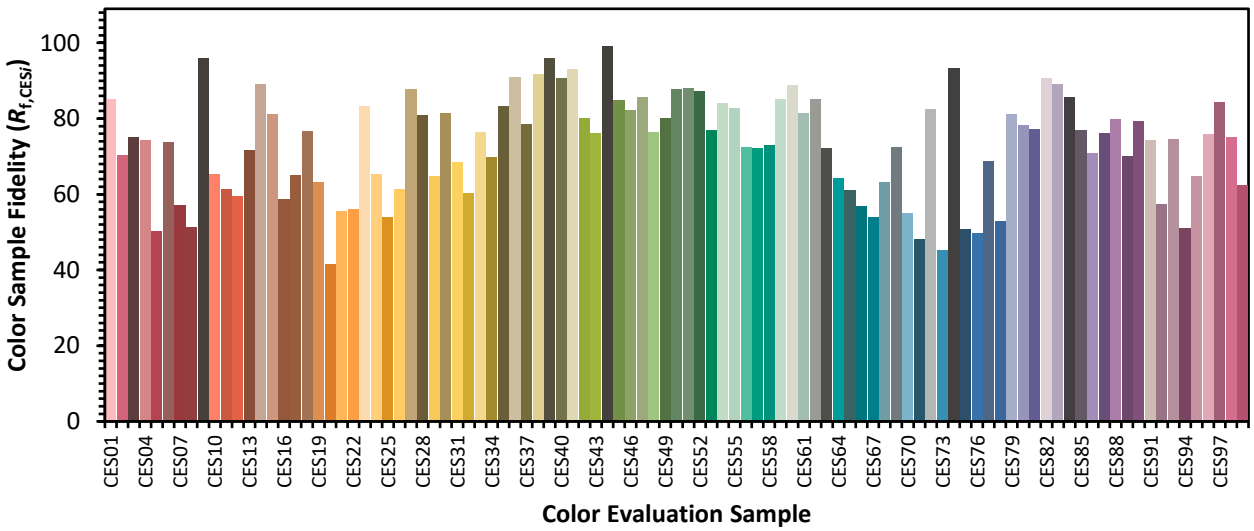
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 61	CES51 = 88	CES76 = 50
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 69
CES03 = 30	CES28 = 81	CES53 = 77	CES78 = 53
CES04 = 70	CES29 = 65	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 81	CES55 = 83	CES80 = 78
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 77
CES07 = 40	CES32 = 60	CES57 = 72	CES82 = 91
CES08 = 39	CES33 = 76	CES58 = 73	CES83 = 89
CES09 = 29	CES34 = 70	CES59 = 85	CES84 = 86
CES10 = 74	CES35 = 83	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 91	CES61 = 81	CES86 = 71
CES12 = 63	CES37 = 79	CES62 = 85	CES87 = 76
CES13 = 42	CES38 = 92	CES63 = 72	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 64	CES89 = 70
CES15 = 71	CES40 = 91	CES65 = 61	CES90 = 79
CES16 = 46	CES41 = 93	CES66 = 57	CES91 = 74
CES17 = 49	CES42 = 80	CES67 = 54	CES92 = 57
CES18 = 56	CES43 = 76	CES68 = 63	CES93 = 74
CES19 = 72	CES44 = 99	CES69 = 73	CES94 = 51
CES20 = 65	CES45 = 85	CES70 = 55	CES95 = 65
CES21 = 86	CES46 = 82	CES71 = 48	CES96 = 76
CES22 = 78	CES47 = 86	CES72 = 83	CES97 = 84
CES23 = 92	CES48 = 77	CES73 = 45	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 93	CES99 = 62
CES25 = 72	CES50 = 88	CES75 = 51	



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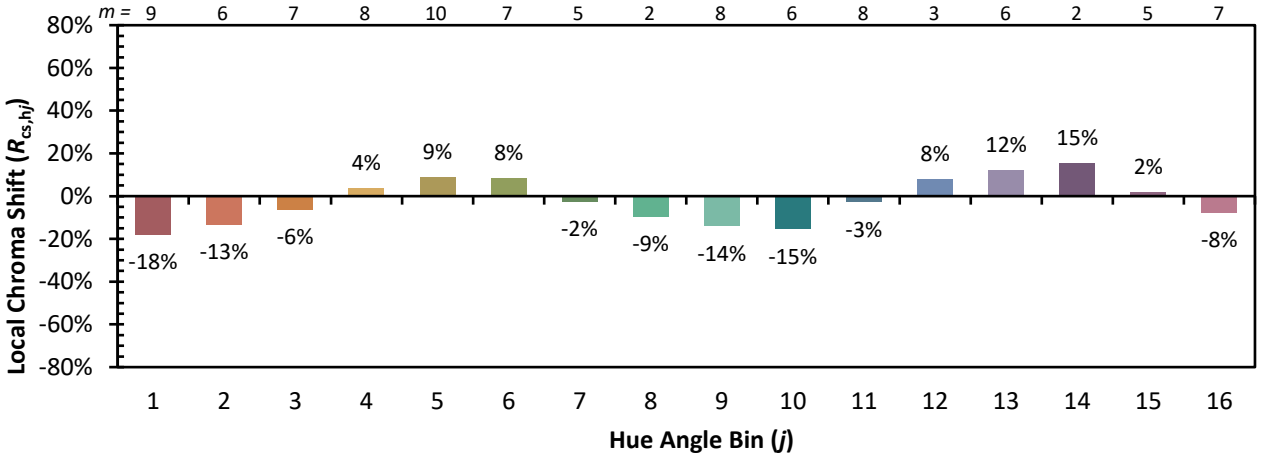
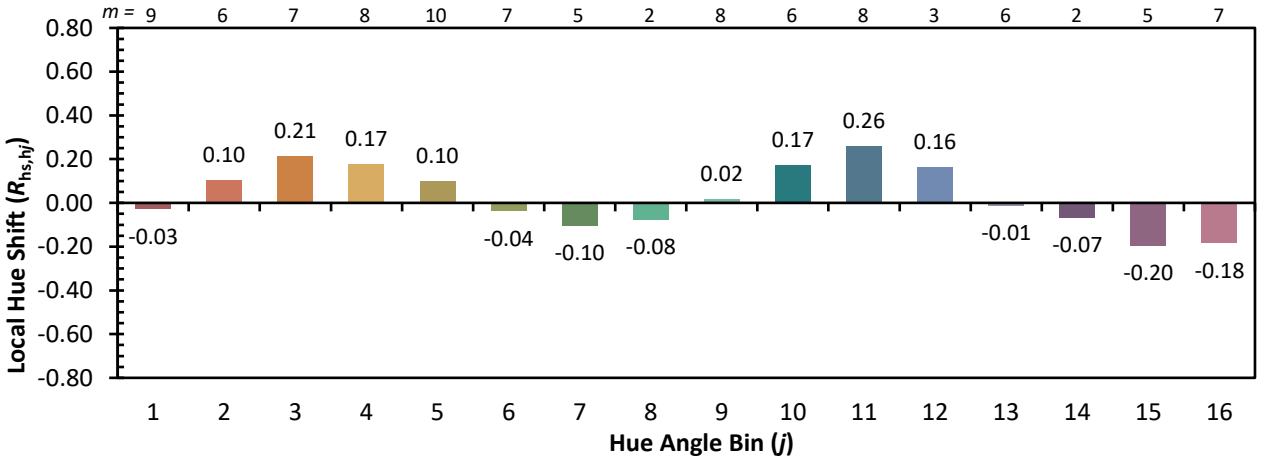
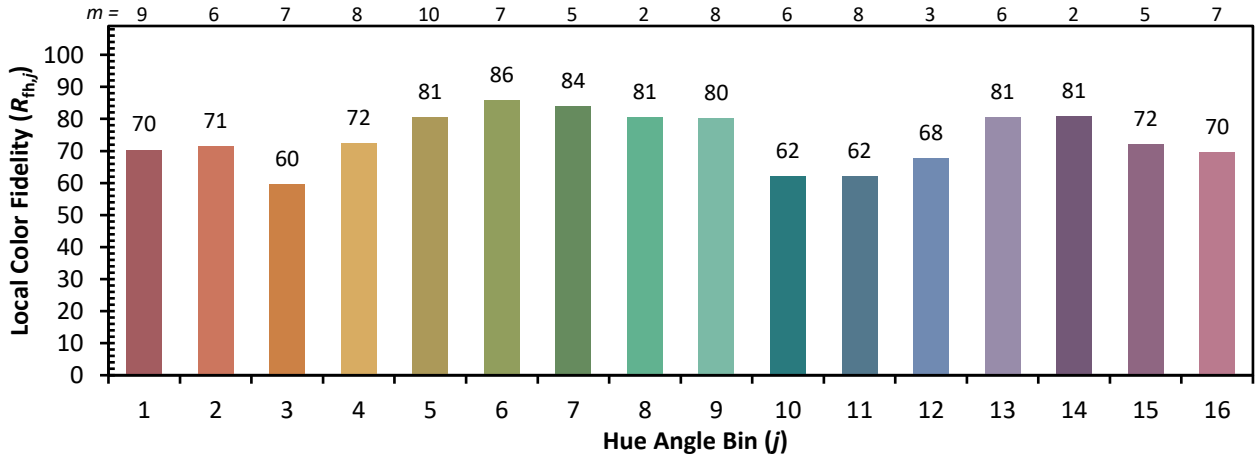
Color Rendition by Hue-Angle Bin







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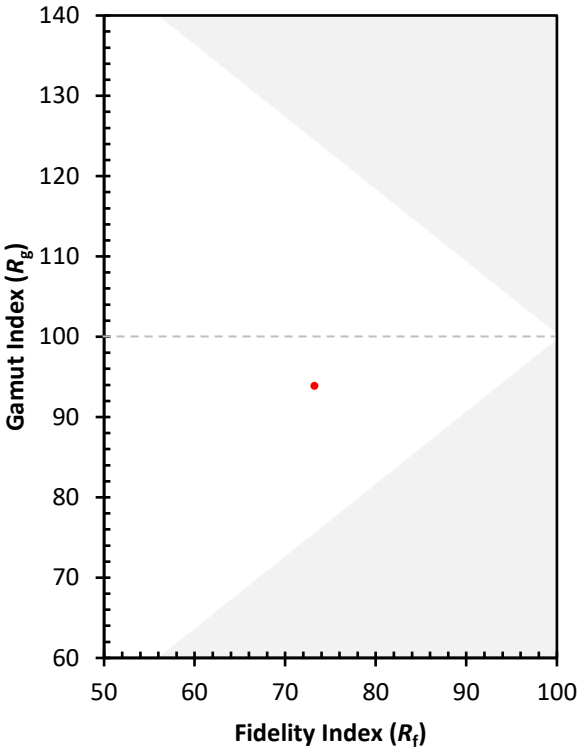
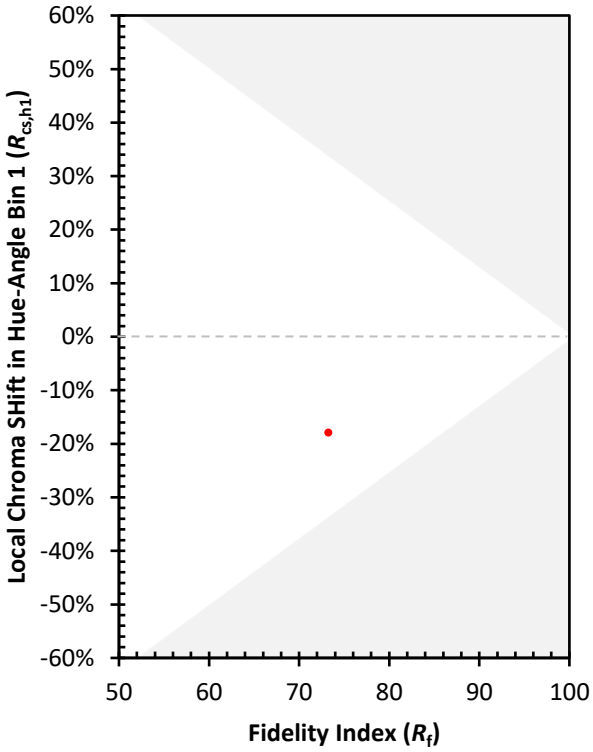
Measure Comparisons





(END OF REPORT)