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: P867884

Luminaire Tested: **MEM2-HSN-SA-60-722-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:	P867884
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-SA-60-722-U-T2R
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 60W 70CRI 2200K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(10) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5410.7 lumens
Efficiency:	N/A
Efficacy:	123.0 lumens/watt
Luminous Opening:	Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification:	Type II - Medium
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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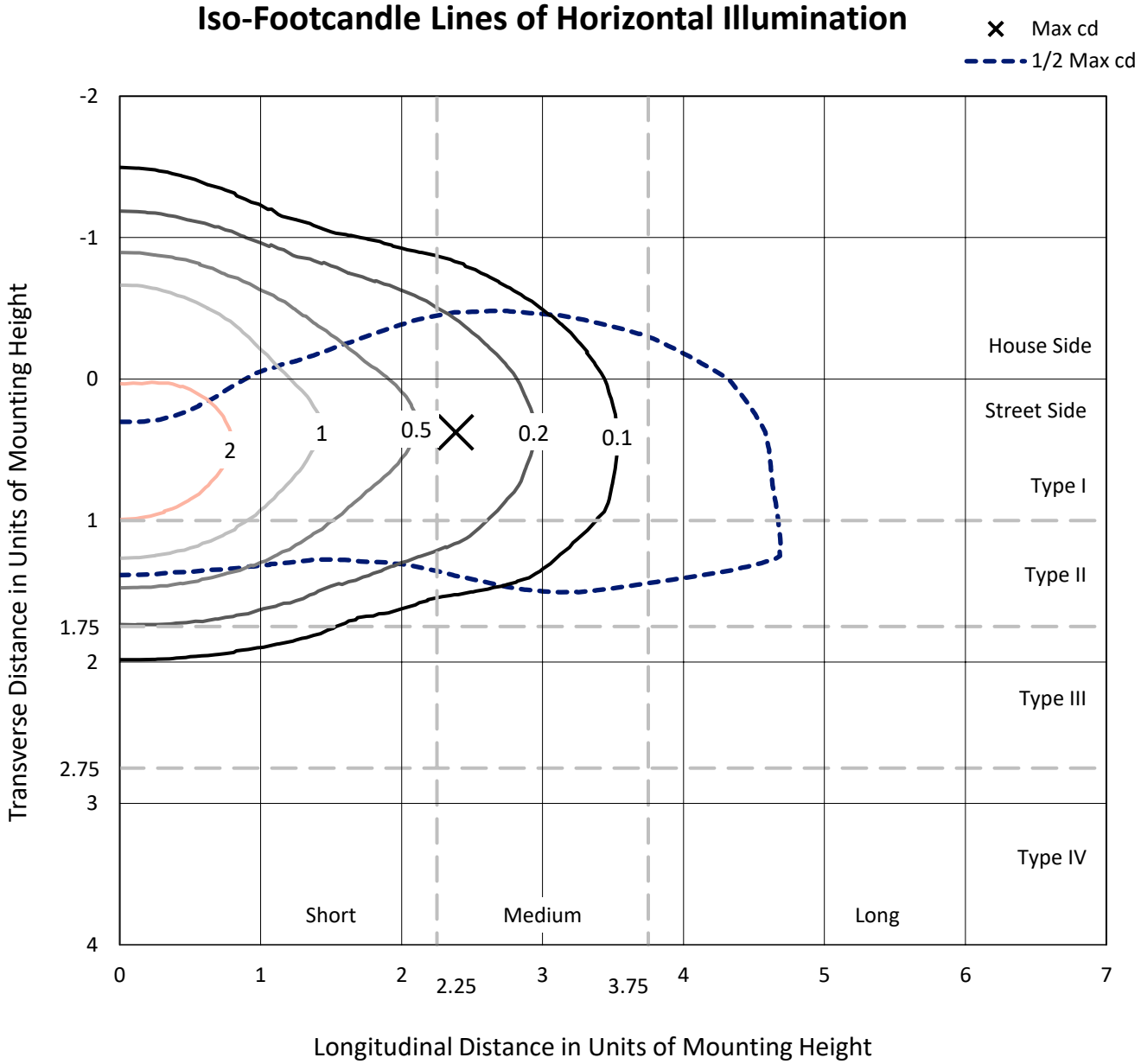
REPORT NUMBER: P867884
CATALOG NUMBER: MEM2-HSN-SA-60-722-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 3.4 fc
Type II - Medium - N/A

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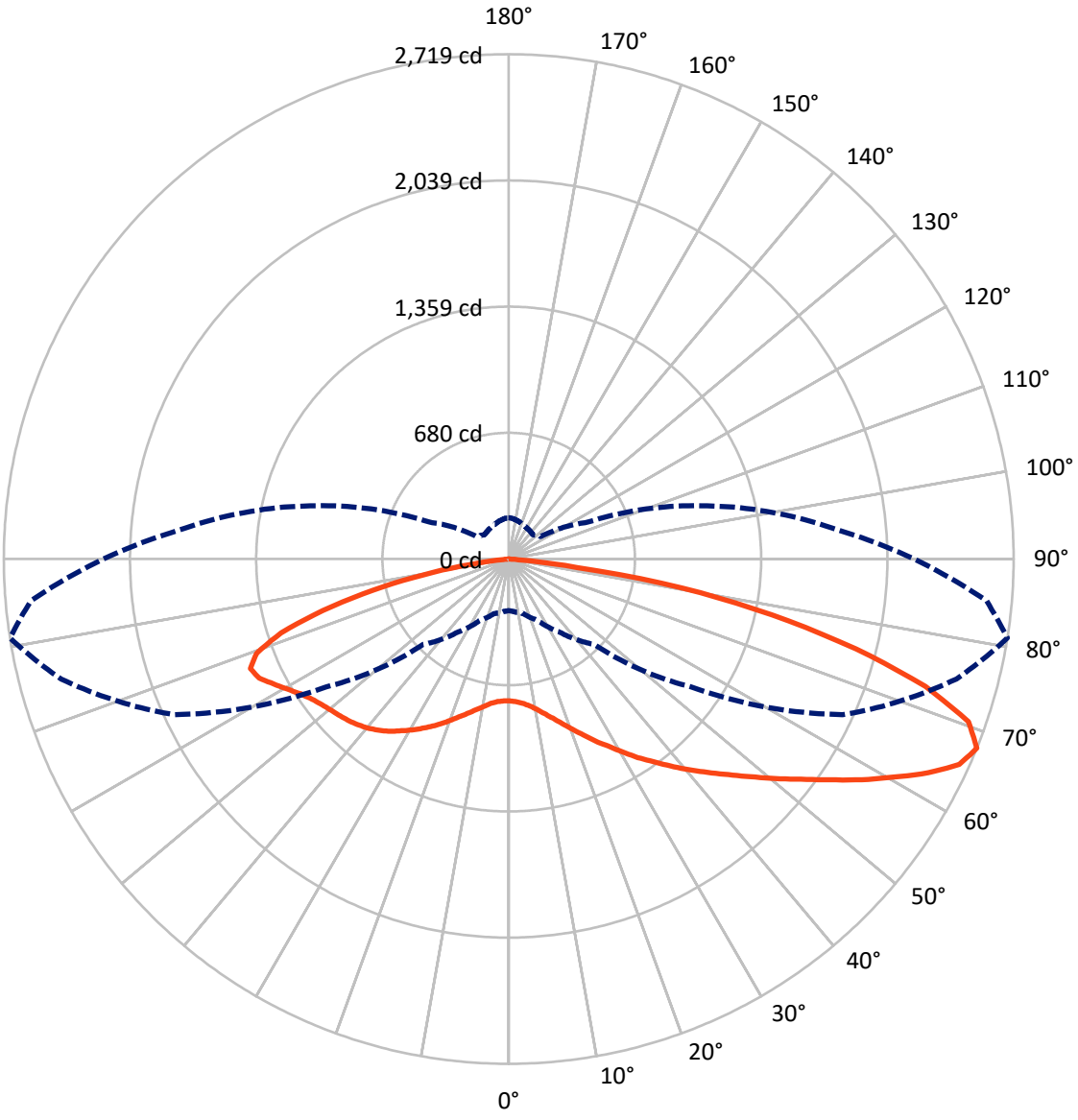
Luminous Intensity Polar Plot



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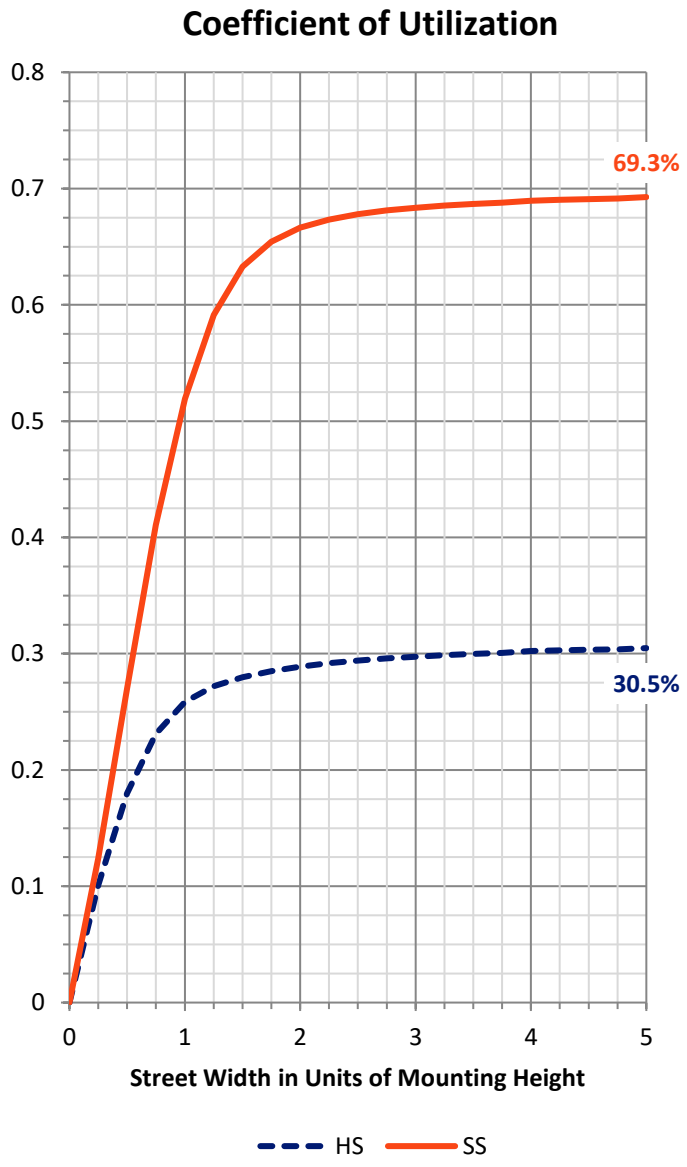
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1658.0	0.0	1658.0
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	3752.7	0.0	3752.7
	% Fixture	69.4	0.0	69.4
Total	Lumens	5410.7	0.0	5410.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	1.4
10°-20°	276.5	5.1
20°-30°	550.7	10.2
30°-40°	865.2	16.0
40°-50°	1073.0	19.8
50°-60°	1049.0	19.4
60°-70°	882.1	16.3
70°-80°	560.5	10.4
80°-90°	75.7	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°	5410.7	100.0
0°-180°	5410.7	100.0



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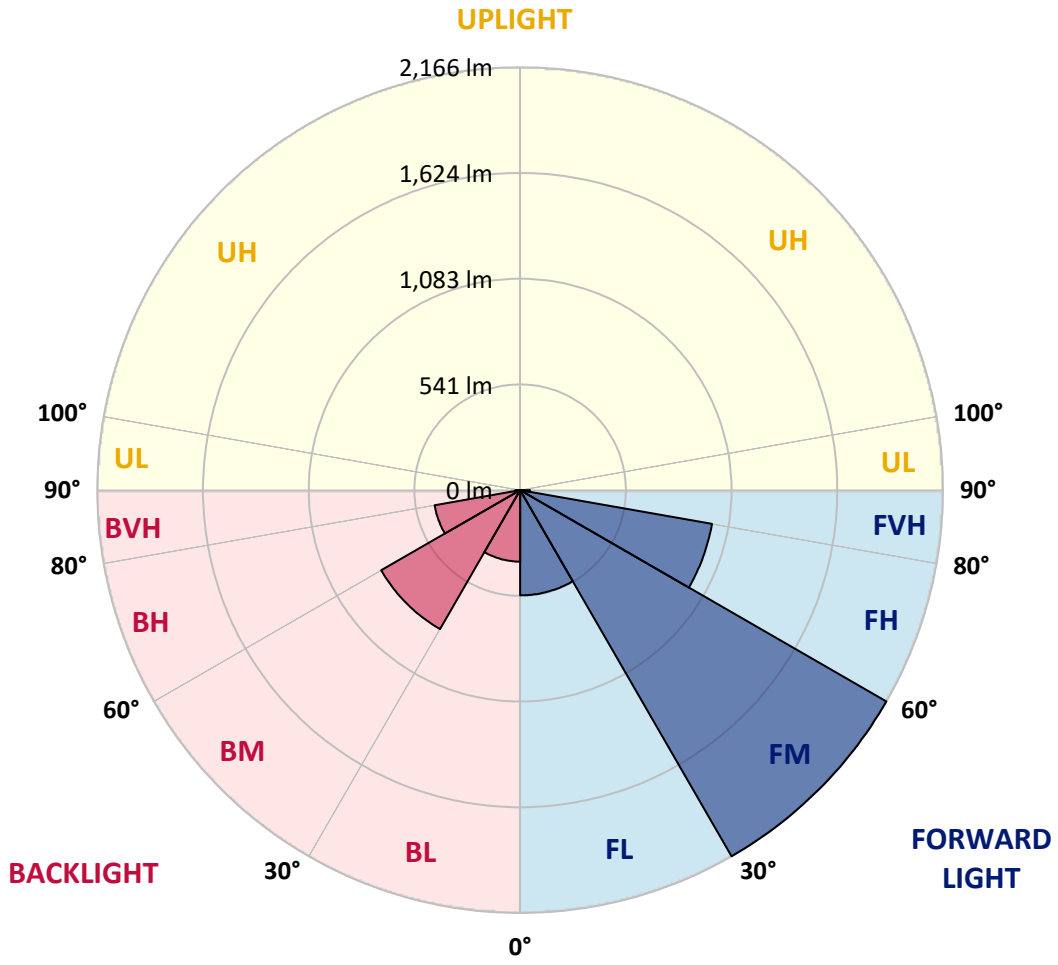
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	538.9	10.0			
FM	(30°-60°)	2165.5	40.0			
FH	(60°-80°)	997.6	18.4			G1/1800
FVH	(80°-90°)	50.7	0.9			G1/100
BL	(0°-30°)	366.2	6.8	B1/500		
BM	(30°-60°)	821.7	15.2	B1/1000		
BH	(60°-80°)	445.1	8.2	B1/500		G1/500
BVH	(80°-90°)	25.0	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 II Medium



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REPORT NUMBER: P867884
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	763.9	763.9	763.9	763.9	763.9	763.9	763.9	763.9	763.9	*763.9*	763.9
2.5°	790.7	789.6	789.6	781.1	781.1	778.9	780.0	773.5	770.3	*769.3*	768.2
5°	847.6	847.6	841.1	835.8	825.0	815.4	806.8	793.9	784.3	*780.0*	776.8
7.5°	933.4	927.0	924.8	908.7	886.2	866.9	849.7	821.8	803.6	*797.2*	792.9
10°	1038.5	1030.0	1013.9	995.6	966.7	937.7	903.4	865.8	835.8	*822.9*	817.5
12.5°	1146.9	1135.1	1112.6	1095.4	1057.9	1013.9	965.6	914.1	872.3	*854.0*	844.4
15°	1266.0	1259.6	1232.7	1198.4	1154.4	1092.2	1032.1	968.8	915.2	*889.4*	873.3
17.5°	1394.7	1385.1	1356.1	1314.3	1252.1	1178.0	1108.3	1026.7	964.5	*931.3*	913.0
20°	1521.3	1519.2	1476.3	1436.6	1363.6	1271.4	1181.2	1095.4	1017.1	*978.5*	954.9
22.5°	1663.0	1649.0	1611.5	1555.7	1468.8	1384.0	1277.8	1166.2	1074.0	*1028.9*	1002.1
25°	1810.0	1808.9	1762.7	1694.1	1592.2	1484.9	1370.1	1246.7	1141.5	*1086.8*	1051.4
27.5°	1992.3	1978.4	1919.4	1841.1	1723.0	1599.7	1466.6	1330.4	1205.9	*1140.5*	1097.6
30°	2152.2	2147.9	2081.4	1993.4	1861.5	1714.5	1570.7	1424.8	1282.1	*1204.8*	1157.6
32.5°	2282.0	2276.7	2219.8	2131.8	1990.2	1837.8	1672.6	1513.8	1358.3	*1274.6*	1212.4
35°	2390.4	2381.8	2322.8	2234.8	2112.5	1958.0	1782.1	1607.2	1442.0	*1340.0*	1281.0
37.5°	2433.3	2425.8	2377.5	2304.6	2191.9	2050.3	1880.8	1710.2	1525.6	*1414.1*	1347.5
40°	2417.2	2412.9	2378.6	2328.2	2242.3	2124.3	1975.2	1817.5	1620.1	*1492.4*	1413.0
42.5°	2341.0	2341.0	2319.6	2293.8	2250.9	2166.1	2058.9	1920.5	1711.2	*1570.7*	1475.2
45°	2233.7	2229.4	2221.9	2212.3	2205.8	2173.7	2113.6	2009.5	1812.1	*1656.5*	1550.3
47.5°	2091.0	2094.3	2088.9	2093.2	2120.0	2140.4	2137.2	2092.1	1915.1	*1750.9*	1624.3
50°	1866.8	1881.8	1899.0	1949.4	2004.1	2061.0	2113.6	2151.1	2036.3	*1858.2*	1710.2
52.5°	1588.9	1595.4	1641.5	1760.6	1877.5	1952.6	2052.4	2178.0	2143.6	*1969.8*	1811.0
55°	1246.7	1258.5	1328.2	1496.7	1704.8	1848.6	1965.5	2166.1	2253.1	*2097.5*	1929.0
57.5°	893.7	901.2	1012.8	1186.6	1458.0	1699.4	1866.8	2118.9	2341.0	*2242.3*	2050.3
60°	635.1	649.1	721.0	890.5	1151.2	1493.5	1776.7	2050.3	2422.6	*2383.9*	2209.1
62.5°	468.8	476.4	526.8	650.2	864.7	1212.4	1659.7	1999.9	2476.2	*2536.3*	2367.9
65°	353.0	356.2	390.5	475.3	646.9	893.7	1475.2	1990.2	2506.3	*2666.1*	2508.4
67.5°	*277.9*	*283.2*	*304.7*	*362.6*	*481.7*	*650.2*	*1201.6*	*1983.8*	*2495.5*	*2718.7*	*2582.4*
70°	233.9	235.0	251.1	283.2	360.5	467.8	898.0	1887.2	2435.4	*2626.4*	2513.8
72.5°	202.8	202.8	210.3	236.0	289.7	354.1	611.5	1656.5	2283.1	*2346.4*	2275.6
75°	164.2	163.1	176.0	200.6	232.8	272.5	410.9	1254.2	1963.4	*1931.2*	1873.3
77.5°	142.7	141.6	152.3	173.8	192.0	217.8	281.1	814.3	1545.0	*1448.4*	1411.9
80°	122.3	119.1	127.7	148.1	157.7	169.5	194.2	474.2	1009.6	*949.5*	905.5
82.5°	92.3	84.8	82.6	99.8	106.2	98.7	98.7	166.3	366.9	*370.1*	342.2
85°	7.5	8.6	10.7	12.9	18.2	20.4	21.5	35.4	54.7	*52.6*	53.6
87.5°	1.1	1.1	1.1	2.1	2.1	3.2	3.2	3.2	4.3	*4.3*	4.3
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-SA-60-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	763.9	763.9	763.9	763.9	763.9	763.9	763.9	763.9	763.9	763.9	763.9
2.5°	767.1	765.0	762.8	762.8	762.8	760.7	759.6	759.6	758.5	755.3	754.2
5°	774.6	771.4	768.2	768.2	768.2	767.1	766.0	767.1	766.0	762.8	761.7
7.5°	789.6	785.3	781.1	781.1	783.2	782.1	782.1	783.2	782.1	778.9	777.8
10°	811.1	804.7	802.5	802.5	804.7	803.6	802.5	802.5	801.4	796.1	798.2
12.5°	834.7	828.3	826.1	827.2	826.1	824.0	825.0	821.8	820.8	812.2	811.1
15°	864.7	857.2	852.9	854.0	850.8	846.5	842.2	840.1	835.8	828.3	826.1
17.5°	899.1	887.3	881.9	881.9	875.5	866.9	860.5	854.0	847.6	839.0	836.8
20°	932.3	921.6	913.0	910.9	898.0	884.1	872.3	861.5	854.0	844.4	842.2
22.5°	974.2	959.2	947.4	937.7	918.4	895.9	877.6	862.6	851.9	841.1	837.9
25°	1018.2	996.7	977.4	959.2	932.3	900.1	874.4	852.9	839.0	827.2	825.0
27.5°	1062.2	1034.3	1006.4	977.4	936.6	894.8	858.3	832.6	814.3	799.3	797.2
30°	1109.4	1075.0	1031.0	989.2	935.6	880.8	834.7	798.2	776.8	759.6	757.5
32.5°	1157.6	1114.7	1054.6	997.8	930.2	860.5	800.4	761.7	734.9	715.6	710.2
35°	1211.3	1158.7	1076.1	1001.0	915.2	830.4	763.9	715.6	684.5	665.2	660.9
37.5°	1266.0	1199.5	1090.0	998.9	893.7	795.0	716.7	667.3	630.9	604.0	599.7
40°	1321.8	1237.0	1098.6	988.1	863.7	751.0	672.7	612.6	560.0	535.4	523.6
42.5°	1373.3	1271.4	1102.9	973.1	830.4	704.9	614.8	536.4	487.1	460.3	465.6
45°	1426.9	1303.6	1104.0	954.9	786.4	645.9	541.8	468.8	419.5	399.1	397.0
47.5°	1473.1	1330.4	1101.9	929.1	737.1	578.3	465.6	395.9	359.4	340.1	338.0
50°	1534.2	1360.4	1098.6	899.1	672.7	501.0	394.8	338.0	304.7	289.7	288.6
52.5°	1595.4	1393.7	1096.5	857.2	605.1	428.1	330.4	285.4	262.9	255.3	253.2
55°	1675.8	1434.4	1097.6	809.0	527.9	353.0	280.0	248.9	237.1	233.9	233.9
57.5°	1768.1	1487.0	1104.0	755.3	447.4	291.8	243.5	229.6	228.5	230.7	231.7
60°	1879.7	1556.8	1116.9	699.5	373.4	246.8	222.1	221.0	224.2	231.7	233.9
62.5°	2005.2	1632.9	1133.0	626.6	302.6	216.7	210.3	214.6	218.9	227.5	228.5
65°	2115.7	1718.8	1142.6	556.8	253.2	199.6	202.8	204.9	215.6	227.5	227.5
67.5°	*2182.2*	*1781.0*	*1106.1*	*468.8*	*211.4*	*184.5*	*191.0*	*197.4*	*209.2*	*219.9*	*222.1*
70°	2159.7	1760.6	981.7	363.7	179.2	170.6	178.1	187.8	199.6	212.4	218.9
72.5°	2003.1	1615.8	797.2	265.0	155.6	157.7	167.4	180.2	191.0	204.9	213.5
75°	1674.8	1348.6	575.1	191.0	136.3	144.8	159.9	170.6	178.1	181.3	182.4
77.5°	1271.4	991.3	391.6	142.7	118.0	129.8	145.9	157.7	159.9	162.0	164.2
80°	830.4	630.9	221.0	99.8	90.1	106.2	119.1	132.0	127.7	134.1	136.3
82.5°	350.8	275.7	100.9	49.4	41.8	45.1	48.3	42.9	39.7	39.7	34.3
85°	46.1	35.4	15.0	6.4	5.4	3.2	3.2	3.2	2.1	2.1	2.1
87.5°	4.3	4.3	3.2	3.2	2.1	2.1	1.1	2.1	1.1	1.1	1.1
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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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-40-722-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-722-U-5WQ-2

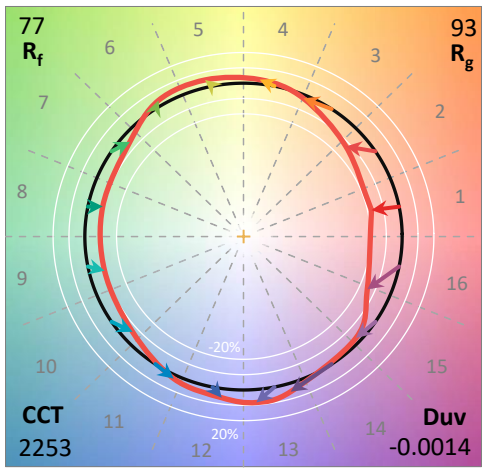
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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-40-722-U-5WQ-2**
Description:	Epic Modern Light Square 40W 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

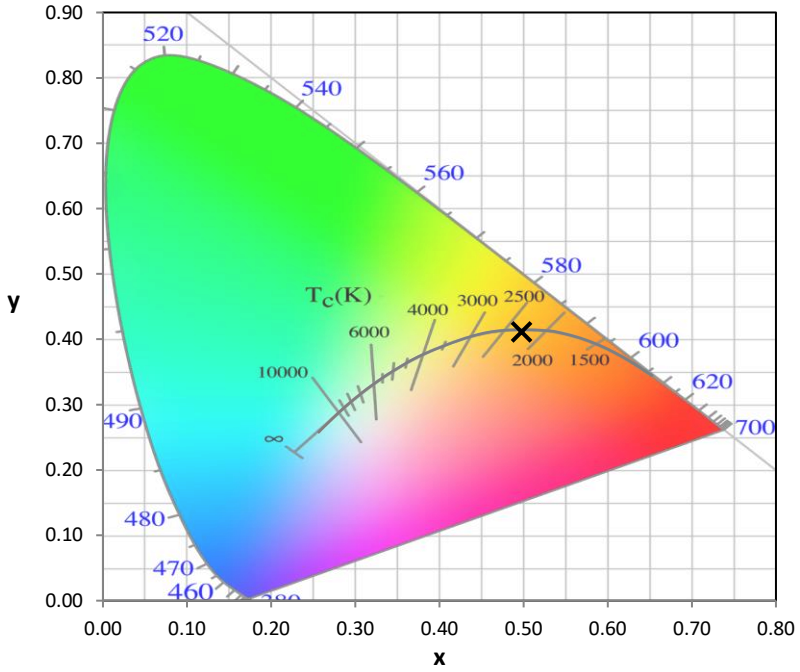
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	24.1

REPORT NUMBER: SP1-2407-157-2

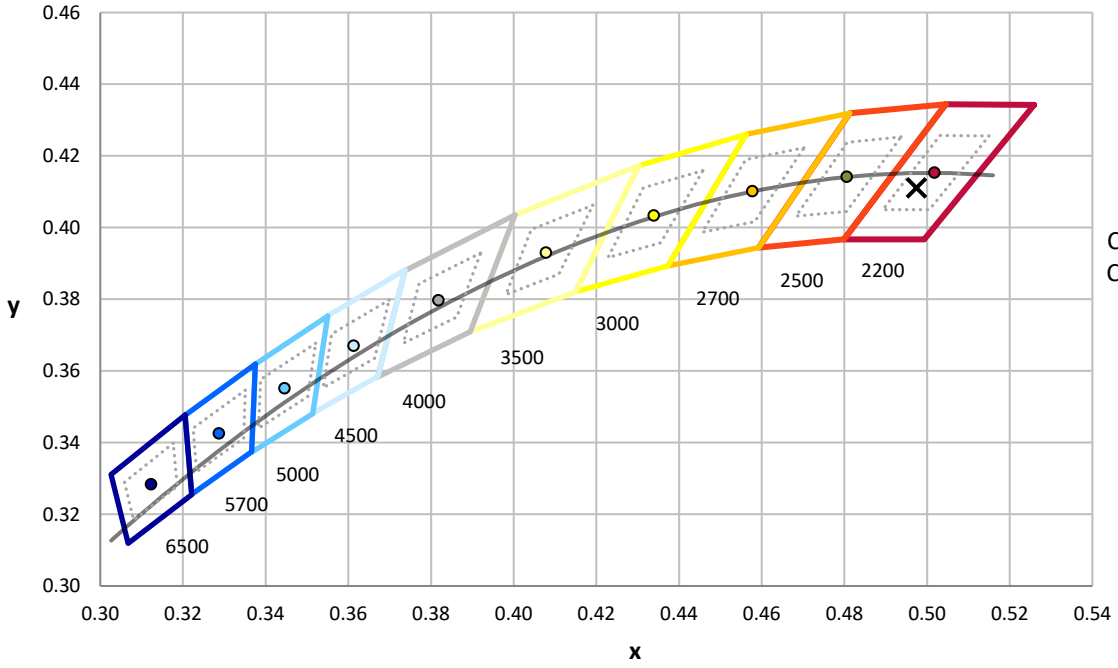
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

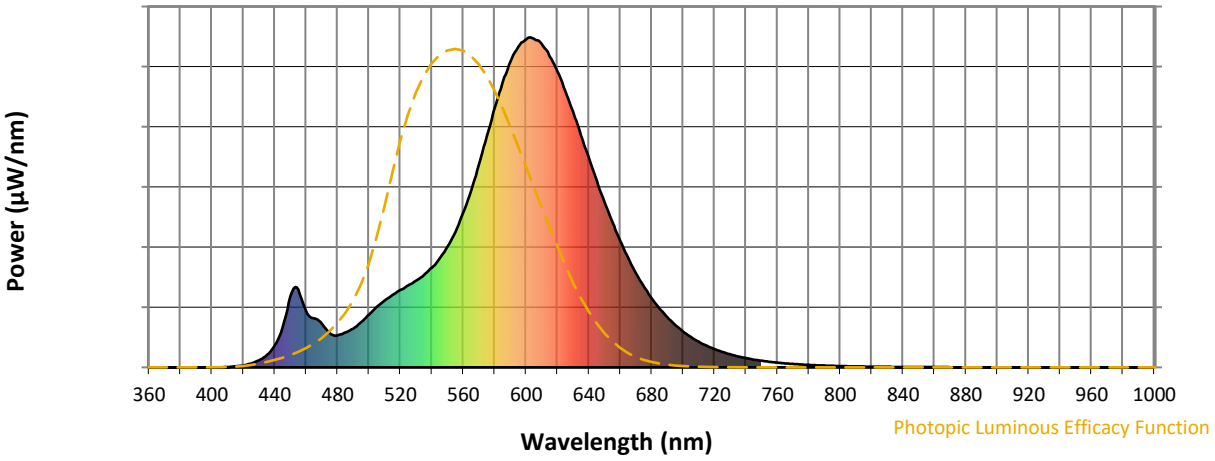


CCT = 2253K
CIE x = 0.4974
CIE y = 0.4110
Duv = -0.0014

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			

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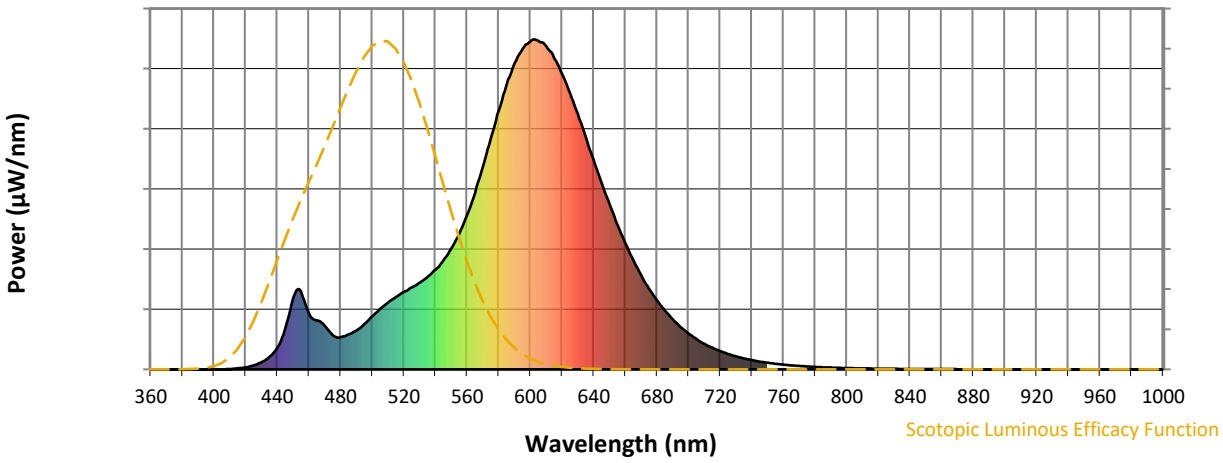
Scotopic Flux vs. Wavelength



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			

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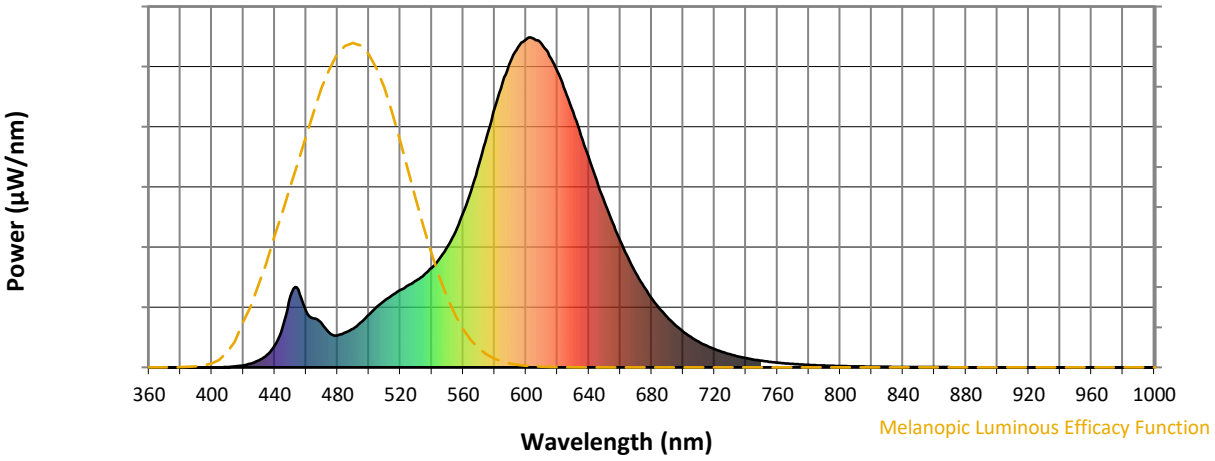
Melanopic Flux vs. Wavelength



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			

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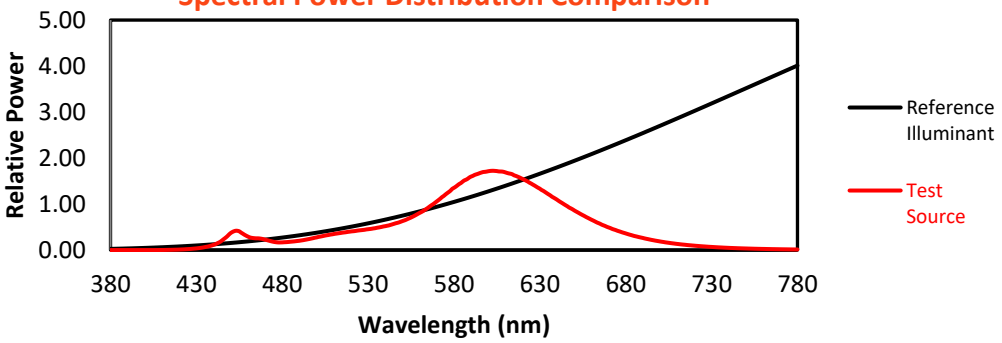
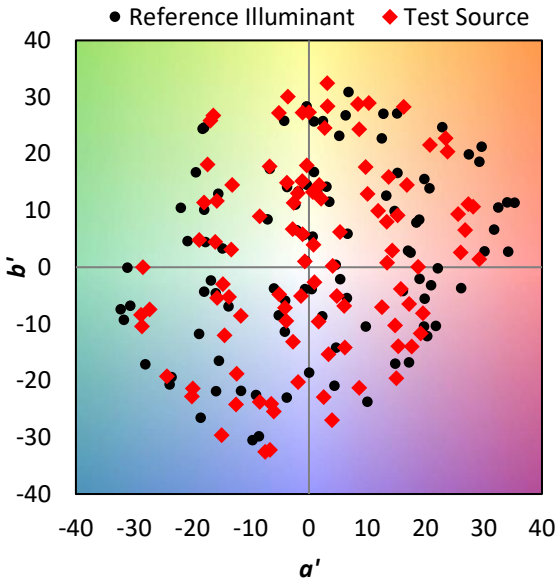
Summary

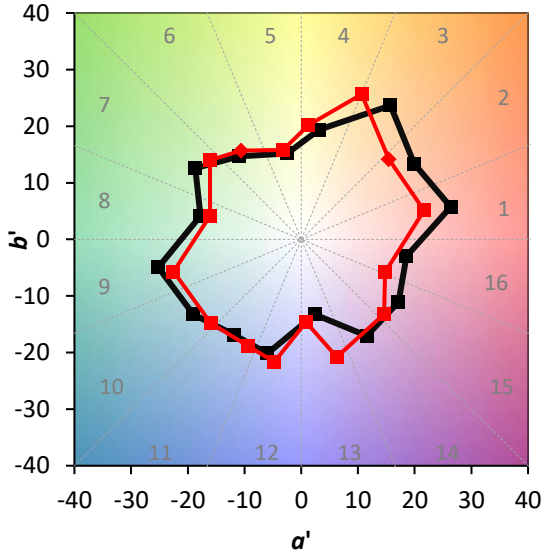
R_f = 76.9
R_g = 92.7
CIE R_a = 70.6
R_9 = -36.0

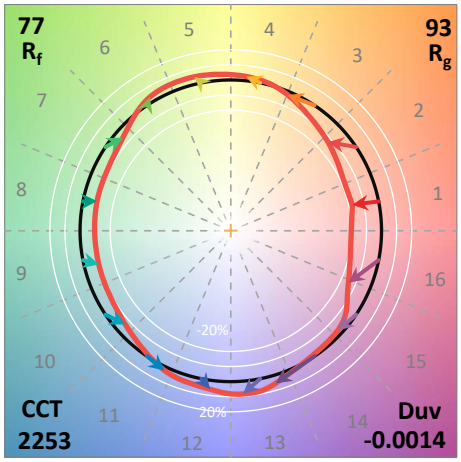
Spectral Power Distribution Comparison

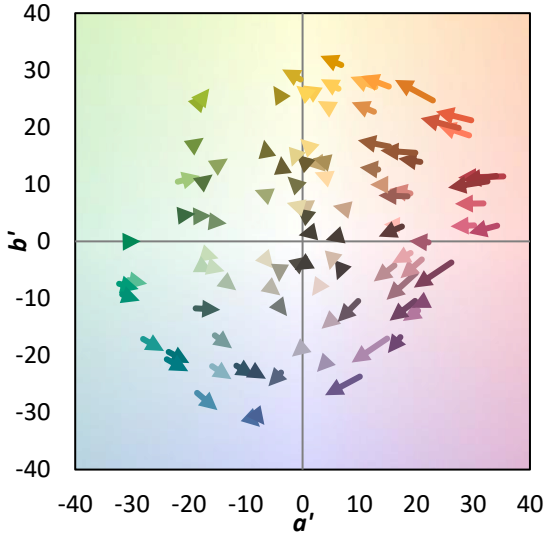


Color Vector Graphics









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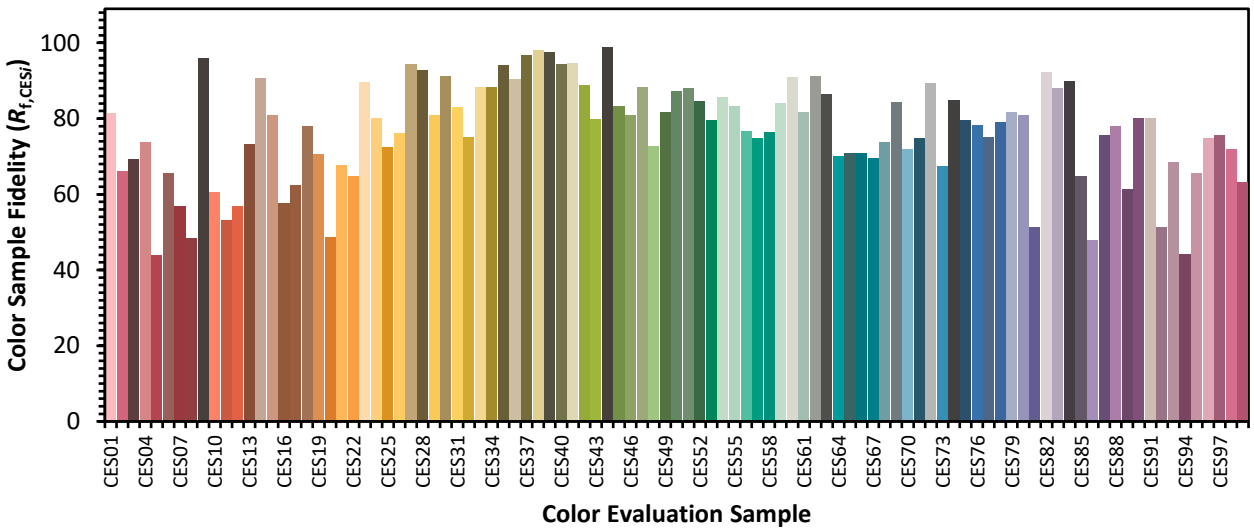
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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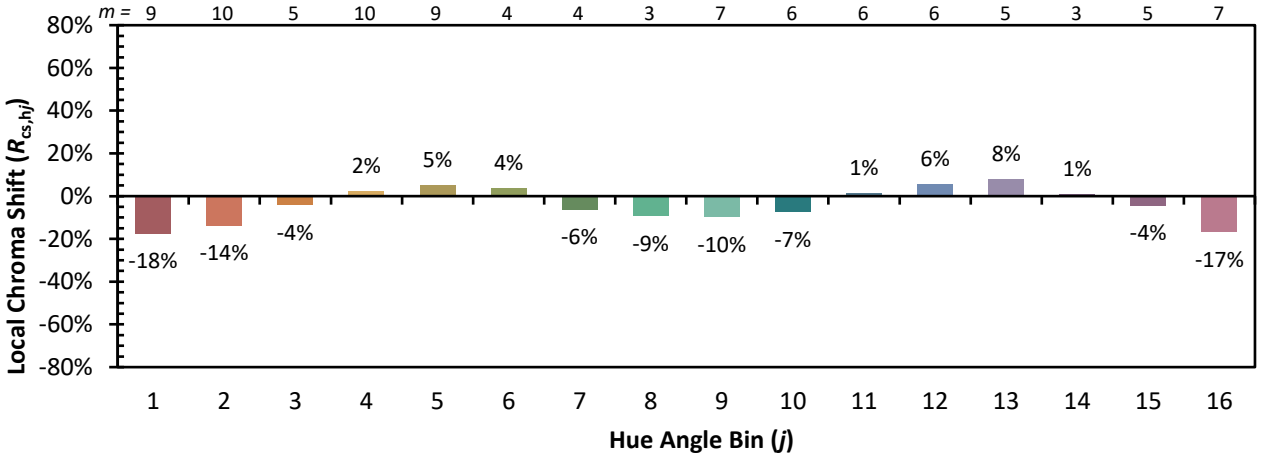
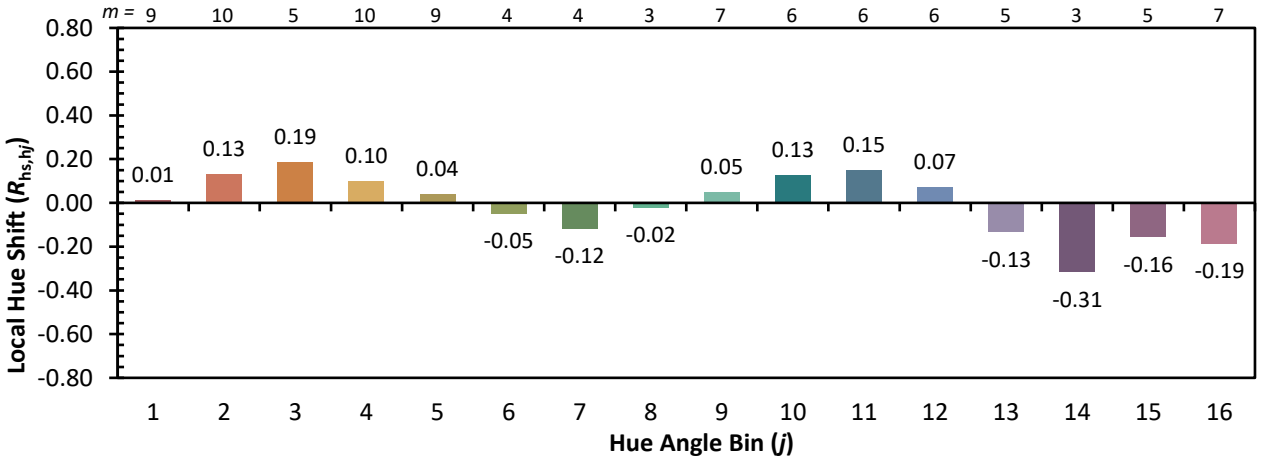
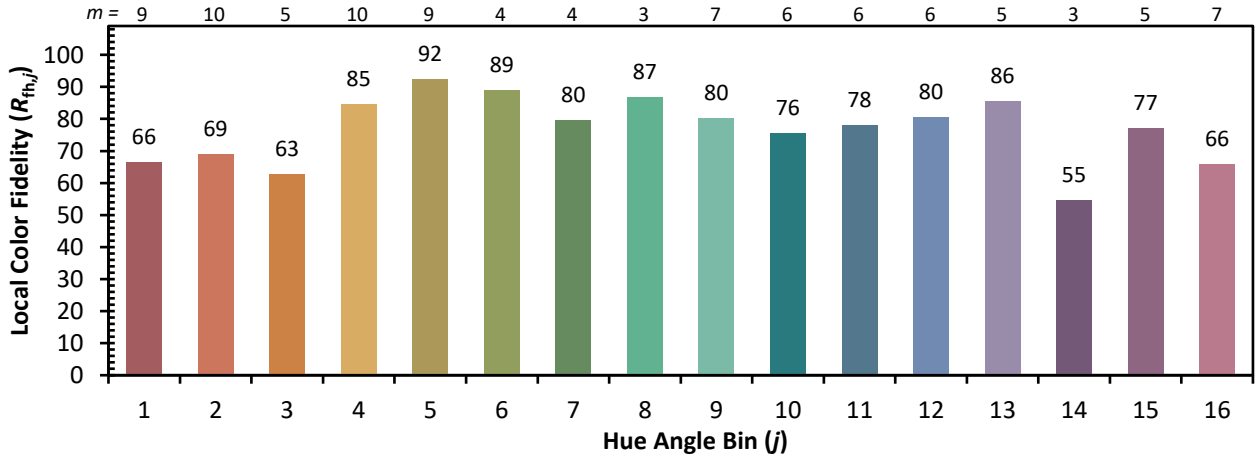
Color Rendition by Hue-Angle Bin







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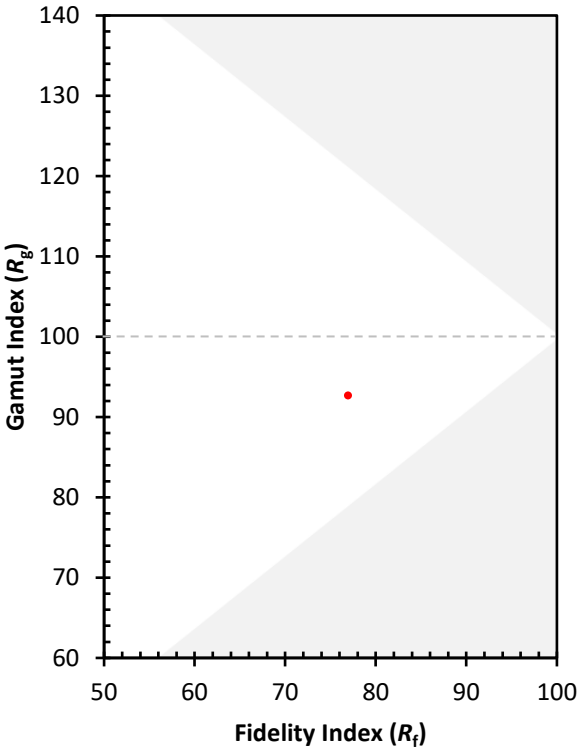
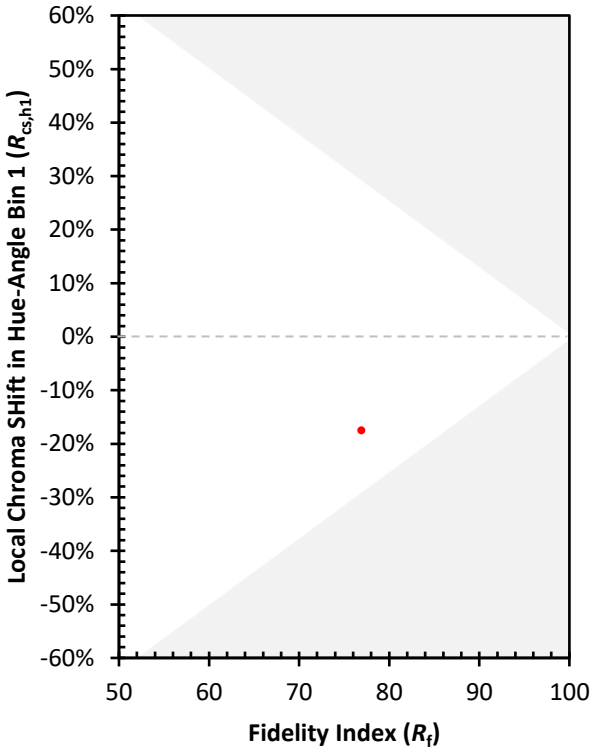
Measure Comparisons





(END OF REPORT)