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: McGRAW-EDISON

Report Number: P386274

Luminaire Tested: **GPC-SA1D-830-U-SL3-HSS**

Issue Date: 3/3/2020

Report Generated By 670245982

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:	P386274
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1D-830-U-SL3-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5626 lumens
Efficiency:	N/A
Efficacy:	85.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	66
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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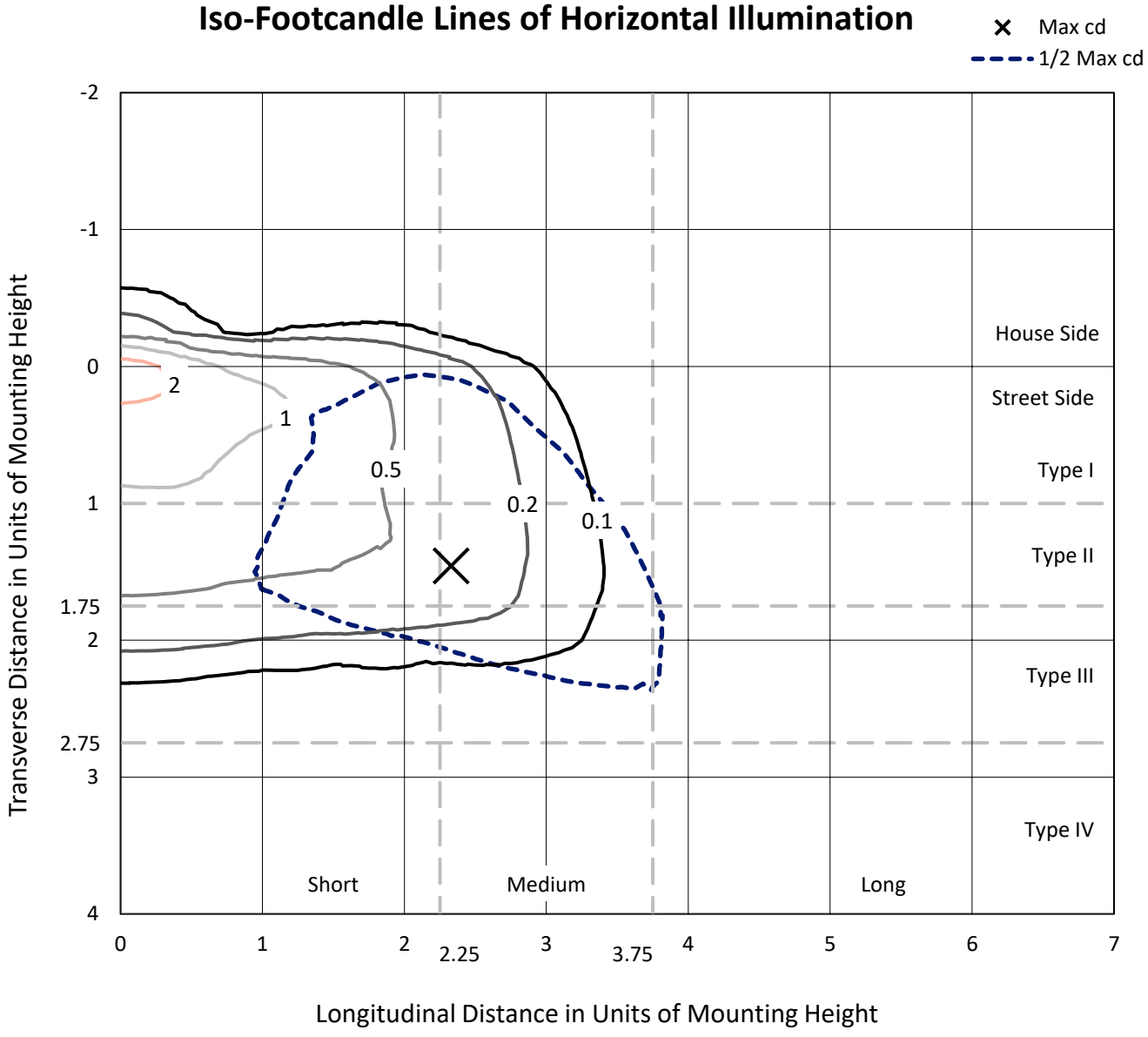
Scaled Data Report

REPORT NUMBER: P386274
CATALOG NUMBER: GPC-SA1D-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Medium - N/A

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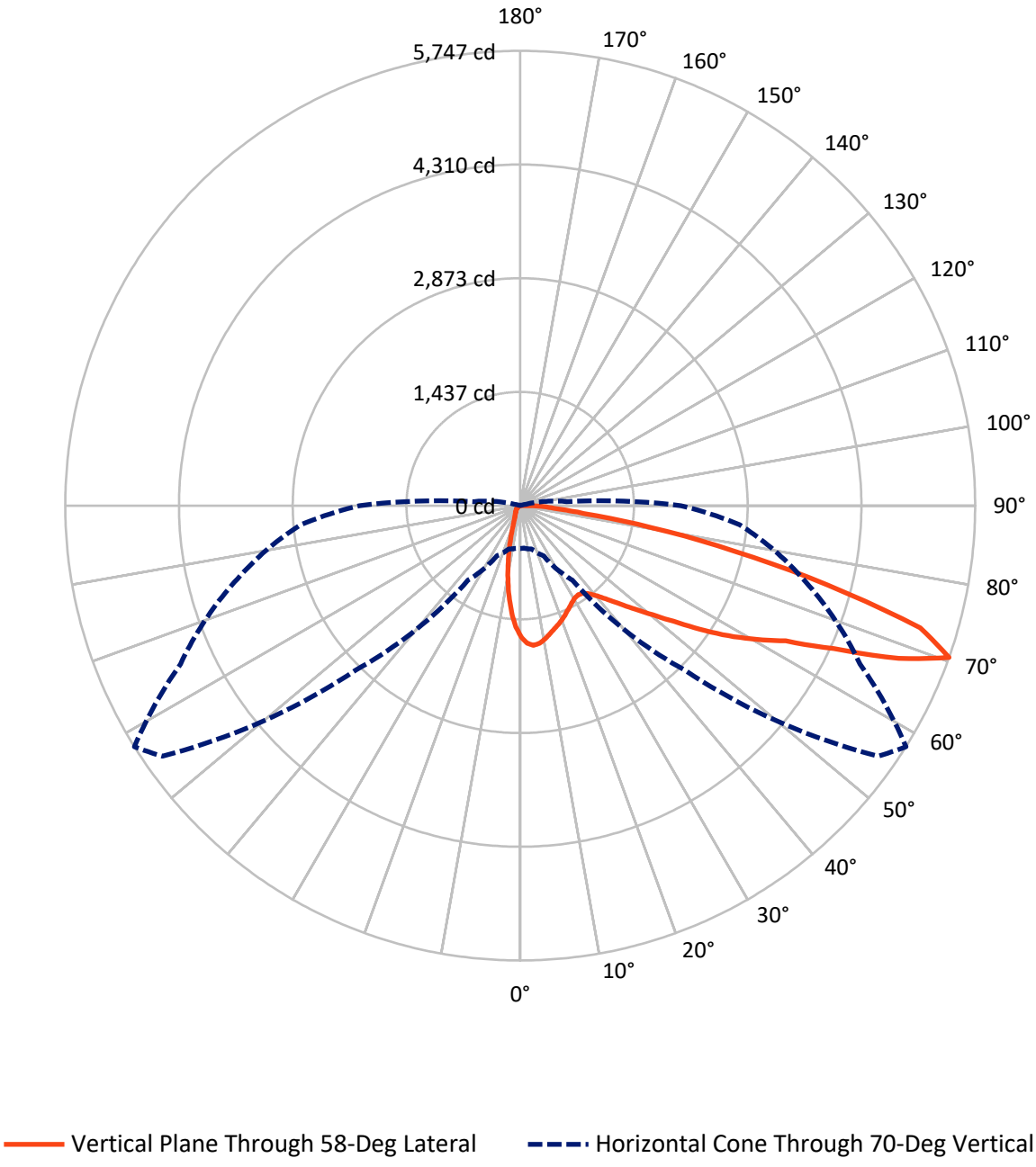
Luminous Intensity Polar Plot



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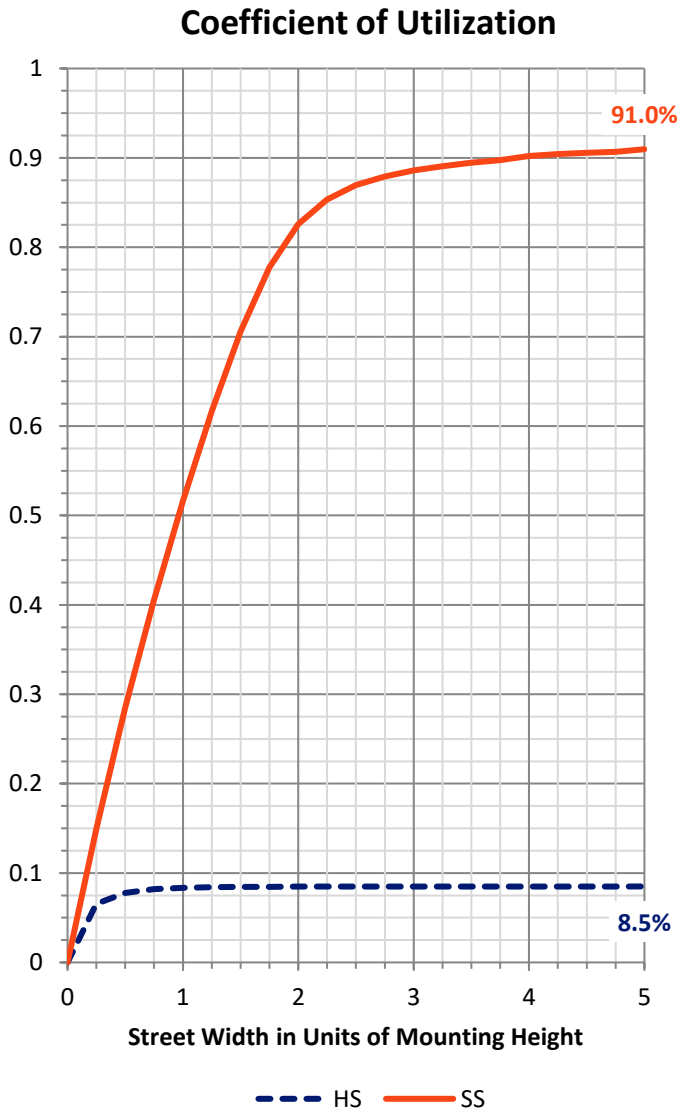
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	481.5	0.0	481.5
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	5144.5	0.0	5144.5
	% Fixture	91.4	0.0	91.4
Total	Lumens	5626.0	0.0	5626.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.9	2.4
10°-20°	285.2	5.1
20°-30°	375.0	6.7
30°-40°	496.6	8.8
40°-50°	742.3	13.2
50°-60°	1189.1	21.1
60°-70°	1498.8	26.6
70°-80°	808.5	14.4
80°-90°	94.6	1.7
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°	5626.0	100.0
0°-180°	5626.0	100.0



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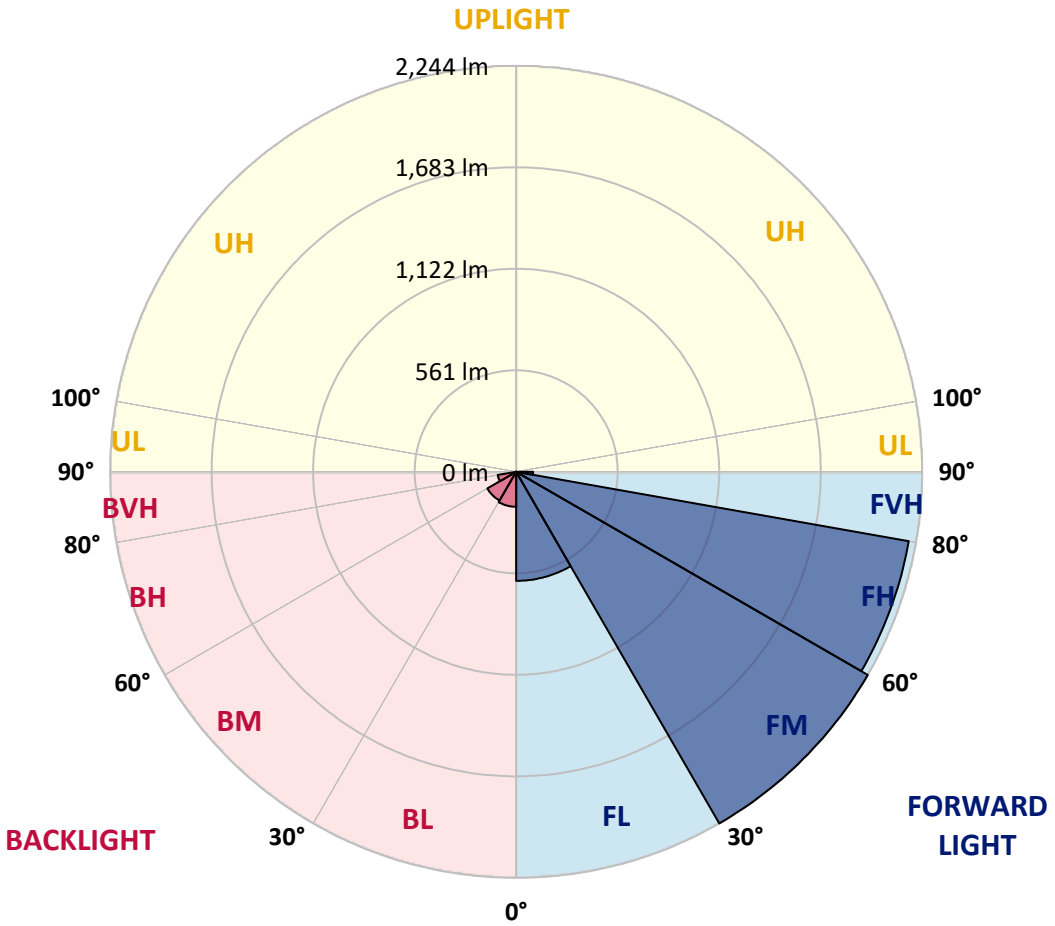
REPORT NUMBER: P386274
CATALOG NUMBER: GPC-SA1D-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	602.7	10.7			
FM	(30°-60°)	2244.3	39.9			
FH	(60°-80°)	2203.8	39.2			G2/5000
FVH	(80°-90°)	93.8	1.7			G1/100
BL	(0°-30°)	193.4	3.4	B1/500		
BM	(30°-60°)	183.7	3.3	B0/220		
BH	(60°-80°)	103.5	1.8	B0/110		G0/110
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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REPORT NUMBER: P386274
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	*1661.9*	1661.9	1661.9	1661.9
2.5°	1799.7	1795.2	1793.6	1790.8	1780.0	1769.5	1748.7	*1742.8*	1729.7	1698.6	1665.6
5°	1801.1	1800.9	1805.8	1804.6	1800.9	1795.9	1781.0	*1773.2*	1751.0	1706.6	1646.2
7.5°	1714.3	1718.7	1729.7	1738.6	1748.9	1762.3	1764.1	*1756.6*	1738.4	1690.4	1610.4
10°	1597.8	1604.8	1620.3	1637.8	1664.7	1691.4	1715.2	*1714.3*	1708.0	1660.7	1567.4
12.5°	1481.1	1489.2	1507.0	1533.0	1571.1	1614.6	1657.2	*1663.1*	1673.6	1634.1	1527.6
15°	1378.8	1385.8	1403.4	1435.2	1482.5	1540.9	1603.4	*1614.2*	1641.3	1613.2	1494.4
17.5°	1292.0	1296.5	1309.3	1344.7	1399.4	1470.3	1551.5	*1572.5*	1613.0	1596.9	1465.6
20°	1231.4	1232.2	1240.6	1265.4	1320.1	1399.4	1497.7	*1527.8*	1583.1	1582.8	1435.9
22.5°	1201.5	1199.2	1200.8	1215.1	1255.3	1331.8	1443.9	*1479.7*	1556.2	1570.9	1405.7
25°	1195.9	1194.0	1189.3	1191.2	1215.5	1272.6	1389.6	*1431.0*	1532.5	1563.6	1379.5
27.5°	1213.4	1215.3	1207.4	1198.9	1200.8	1234.3	1341.4	*1389.4*	1513.3	1563.6	1361.0
30°	1248.8	1249.7	1243.8	1232.9	1218.1	1223.5	1307.9	*1355.9*	1503.8	1574.4	1349.4
32.5°	1287.8	1293.0	1292.3	1283.4	1262.3	1240.6	1300.0	*1343.7*	1503.1	1598.3	1348.2
35°	1336.3	1342.1	1351.9	1350.1	1328.1	1292.3	1327.1	*1361.5*	1516.9	1637.6	1360.8
37.5°	1387.7	1396.6	1417.7	1427.7	1413.5	1373.0	1388.0	*1412.5*	1553.8	1701.2	1392.9
40°	1437.5	1447.6	1486.0	1525.5	1514.7	1473.1	1480.1	*1499.8*	1619.6	1792.7	1453.7
42.5°	1486.4	1501.4	1557.8	1622.8	1635.7	1602.5	1606.2	*1621.9*	1717.1	1918.5	1553.1
45°	1544.9	1561.8	1645.3	1725.5	1759.9	1745.4	1761.3	*1771.6*	1844.6	2084.9	1687.2
47.5°	1630.8	1650.2	1752.7	1844.1	1904.5	1913.8	1945.9	*1952.7*	2005.8	2278.6	1861.9
50°	1798.3	1803.7	1896.3	1979.3	2066.4	2122.5	2159.0	*2164.2*	2200.9	2490.3	2080.2
52.5°	2009.1	2012.6	2065.0	2120.6	2219.6	2334.2	2419.6	*2426.9*	2434.6	2696.6	2295.6
55°	2218.4	2218.0	2252.6	2285.3	2398.6	2565.1	2750.4	*2754.9*	2699.4	2892.4	2460.3
57.5°	2349.2	2361.8	2414.5	2456.6	2614.7	2828.3	3085.4	*3101.8*	2977.6	3037.4	2623.1
60°	2307.6	2313.6	2430.4	2586.2	2884.0	3202.4	3424.4	*3428.6*	3186.7	3182.3	2829.0
62.5°	1966.0	1969.3	2152.7	2473.9	3020.4	3687.6	3833.3	*3764.8*	3427.2	3383.2	3075.3
65°	1347.5	1368.8	1522.0	1919.0	2769.8	3991.9	4466.3	*4352.9*	3793.8	3672.8	3298.1
67.5°	793.5	789.1	864.9	1157.3	2034.3	3789.8	5267.1	*5154.4*	4293.7	3866.8	3232.8
70°	*542.0*	*539.0*	*568.0*	*700.6*	*1148.4*	*2939.9*	*5519.1*	*5746.7*	*4735.1*	*3736.2*	*2782.2*
72.5°	386.9	388.6	431.4	544.4	721.0	1712.9	4746.1	*5284.9*	4596.9	3257.1	2114.8
75°	262.7	267.2	328.4	446.6	632.1	871.4	3368.0	*4017.4*	3743.2	2367.2	1215.5
77.5°	141.3	146.2	218.5	359.8	571.5	605.4	2166.5	*2764.9*	2351.3	1064.2	352.3
80°	59.0	61.8	102.2	261.5	493.8	531.7	1274.7	*1676.6*	1002.0	209.8	78.6
82.5°	25.5	26.9	42.6	156.0	369.2	448.9	674.9	*806.6*	303.7	46.1	39.5
85°	4.9	5.1	17.5	82.6	235.6	253.4	437.5	*428.8*	136.4	19.9	28.8
87.5°	0.0	0.0	4.2	26.0	69.2	138.0	266.9	*263.6*	46.3	9.6	10.8
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: GPC-SA1D-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9	1661.9
2.5°	1648.8	1632.7	1598.7	1556.9	1524.8	1489.5	1461.4	1425.9	1410.4	1411.1	1402.7
5°	1611.8	1578.6	1503.5	1408.8	1335.8	1260.5	1195.7	1131.1	1093.0	1080.6	1068.9
7.5°	1559.0	1506.3	1386.5	1240.6	1117.1	996.3	891.3	798.9	740.4	711.9	701.3
10°	1499.3	1425.4	1252.0	1059.7	883.3	720.1	583.9	465.5	418.3	386.2	378.0
12.5°	1446.9	1346.8	1120.6	874.2	664.9	467.9	338.0	264.3	232.3	219.7	217.6
15°	1397.5	1273.3	994.0	706.3	460.4	288.0	215.0	190.0	182.5	180.4	180.4
17.5°	1351.0	1203.4	870.2	540.9	304.6	201.9	178.0	172.4	170.1	169.8	170.1
20°	1302.3	1133.4	748.6	396.3	212.6	171.0	164.5	161.4	160.7	160.7	160.7
22.5°	1255.8	1063.5	630.2	283.1	170.5	156.0	152.8	150.7	150.0	149.7	149.3
25°	1211.1	997.0	514.7	200.0	149.7	142.9	140.1	137.3	135.2	134.0	133.3
27.5°	1174.4	937.9	407.1	160.5	135.2	129.4	125.9	121.6	116.5	114.2	113.2
30°	1145.1	883.8	313.7	135.4	121.6	115.8	110.4	103.2	95.7	91.7	91.5
32.5°	1122.2	830.7	238.1	119.8	109.5	102.2	94.5	85.4	76.7	72.3	72.1
35°	1111.0	783.9	182.0	108.3	98.7	89.6	80.0	69.9	61.5	57.3	56.8
37.5°	1118.5	744.4	142.0	98.7	89.6	79.1	67.8	57.3	49.8	46.1	45.9
40°	1145.8	719.1	115.3	90.5	81.9	69.0	56.8	47.0	40.7	37.7	37.4
42.5°	1204.1	709.8	98.5	83.7	74.4	59.7	47.3	38.8	33.0	30.9	30.4
45°	1301.4	723.6	87.0	77.2	66.7	50.8	39.1	31.8	26.7	25.0	24.8
47.5°	1431.0	759.8	78.8	70.9	59.7	42.8	32.5	25.7	21.8	20.1	19.9
50°	1598.0	817.4	72.1	64.6	53.1	36.3	26.9	20.4	16.8	15.7	15.7
52.5°	1779.8	885.9	66.0	58.7	46.6	30.2	21.8	15.7	13.3	11.9	11.9
55°	1930.0	945.8	59.4	54.3	38.6	25.0	16.6	11.9	9.8	9.1	9.1
57.5°	2079.9	1009.7	51.9	46.6	30.9	20.4	12.6	8.9	7.3	6.8	6.8
60°	2274.3	1087.8	44.7	37.9	24.3	15.4	9.4	6.3	5.4	5.1	5.1
62.5°	2488.2	1133.7	38.1	30.4	18.9	11.5	6.8	4.2	4.0	4.0	3.7
65°	2618.9	1068.9	32.0	24.3	14.7	8.7	4.4	3.0	3.5	3.3	2.8
67.5°	2452.1	836.8	26.2	18.9	11.5	6.6	2.8	2.1	3.7	3.0	2.3
70°	*2030.3*	*585.8*	*20.4*	*13.3*	*9.1*	*5.6*	*1.9*	*1.4*	*4.0*	*3.0*	*1.9*
72.5°	1519.4	392.1	16.1	8.9	6.8	4.9	1.6	0.7	3.5	2.6	1.6
75°	830.2	157.9	12.9	5.6	4.2	3.5	1.2	0.5	2.3	1.9	1.2
77.5°	218.5	41.6	9.4	3.7	2.3	1.4	0.7	0.2	1.2	0.9	0.5
80°	55.7	16.1	6.1	2.6	1.6	0.7	0.0	0.0	0.2	0.0	0.0
82.5°	29.7	6.8	3.7	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	22.5	4.4	2.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.7	1.4	0.7	0.0	0.0	0.0	0.0	0.0	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

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

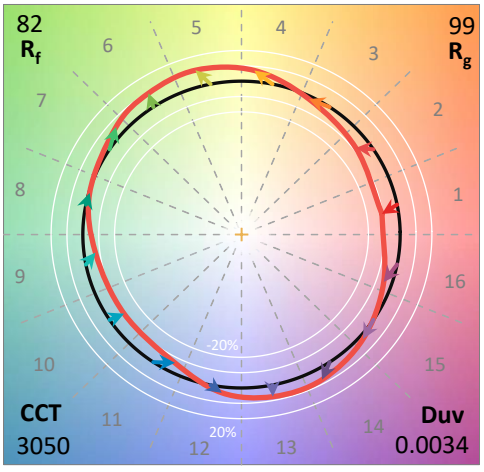
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

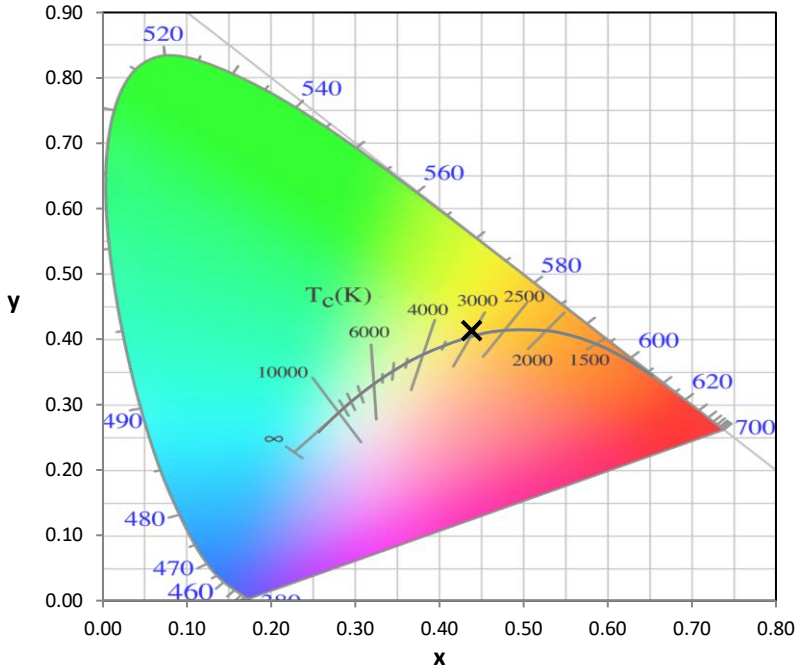
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

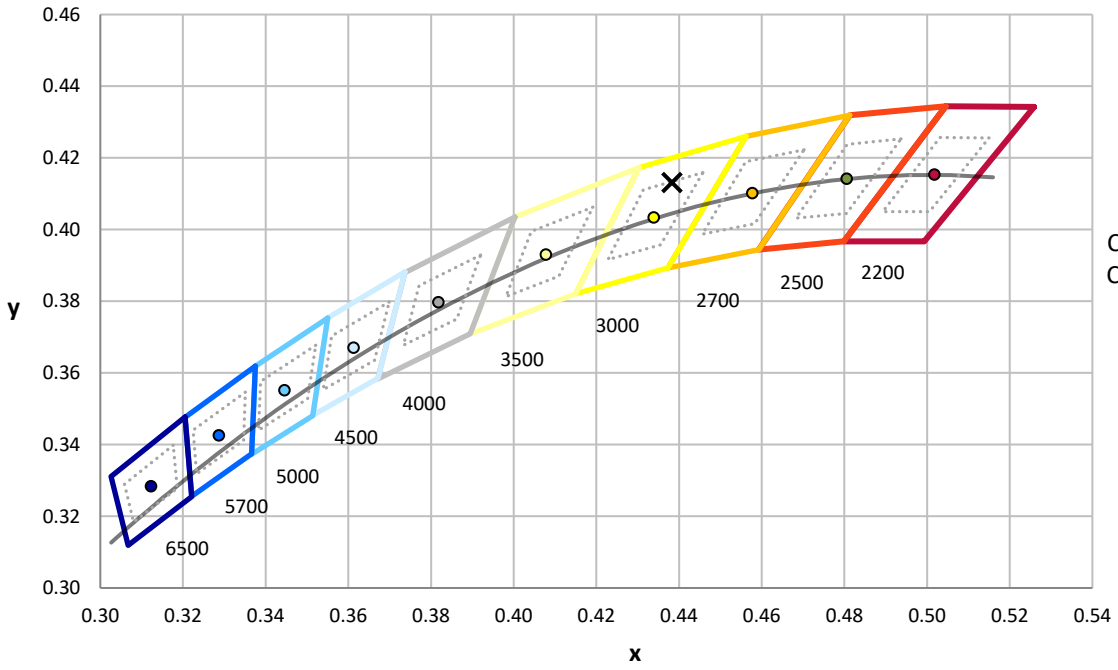
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

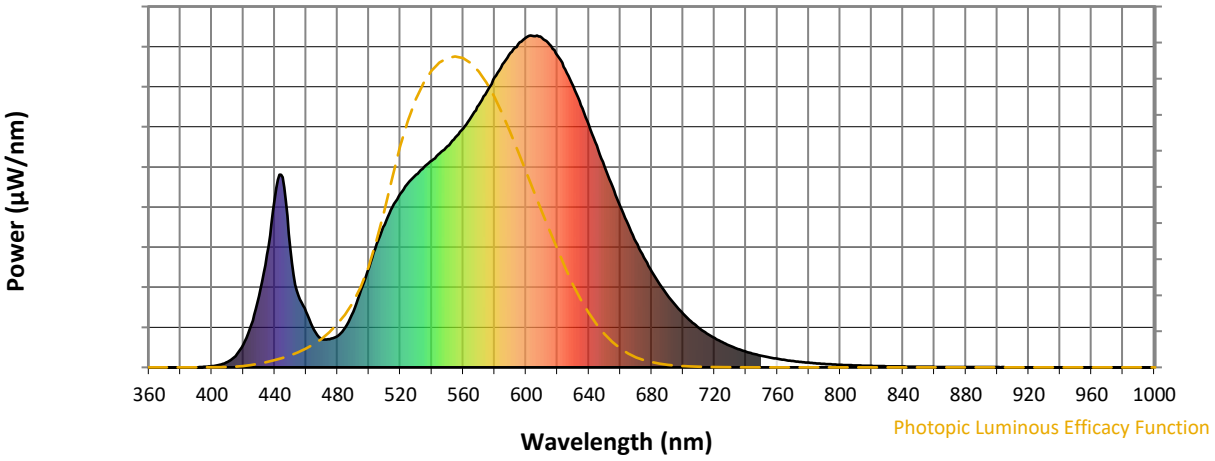


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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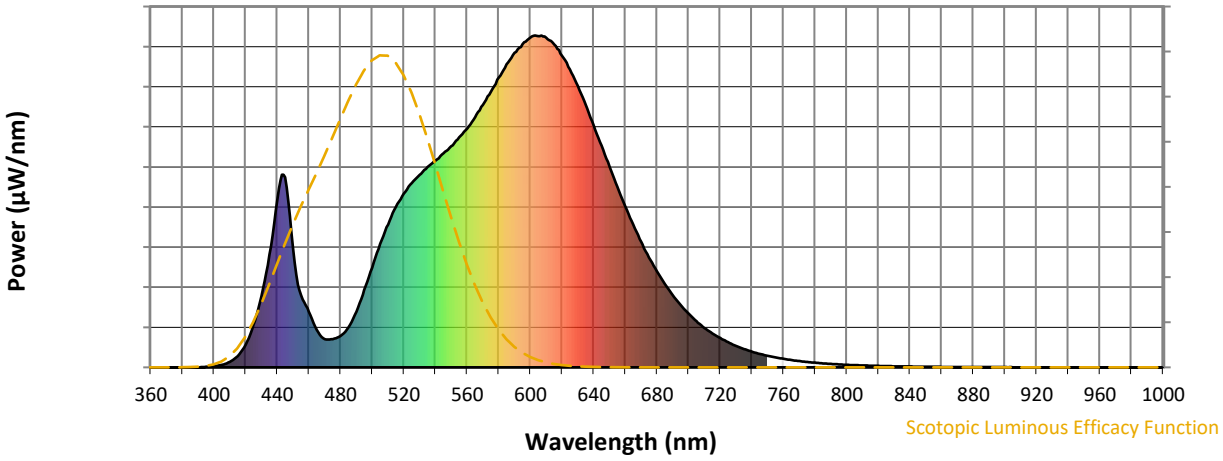
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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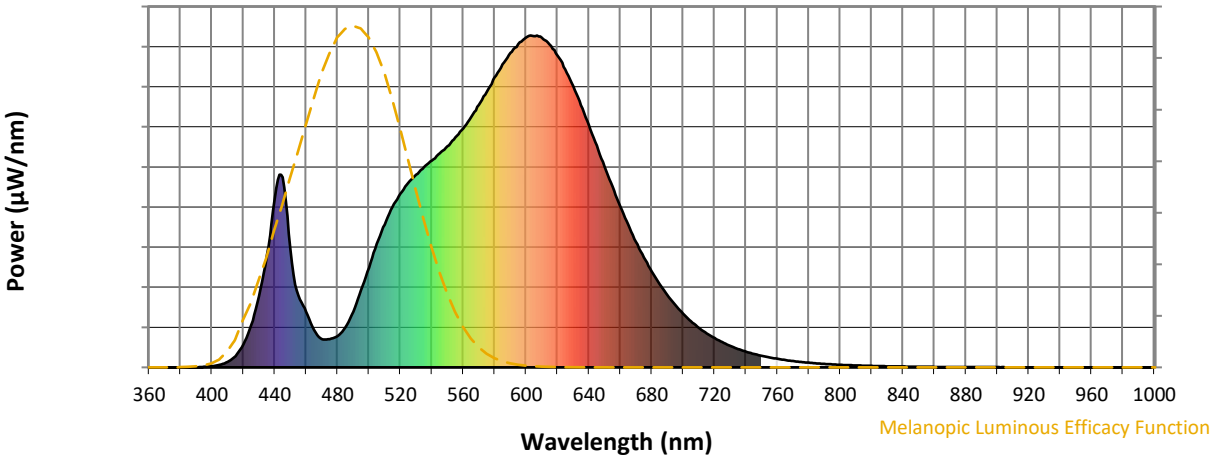
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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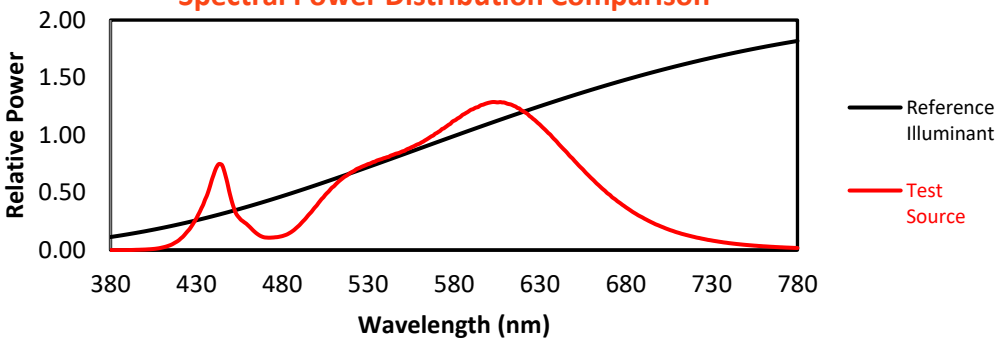
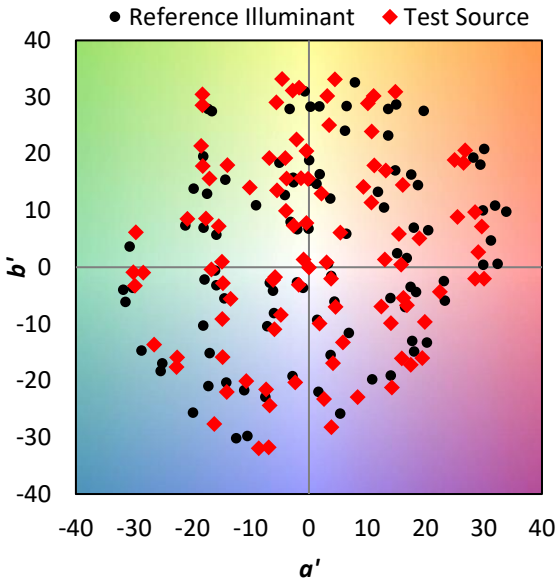
Summary

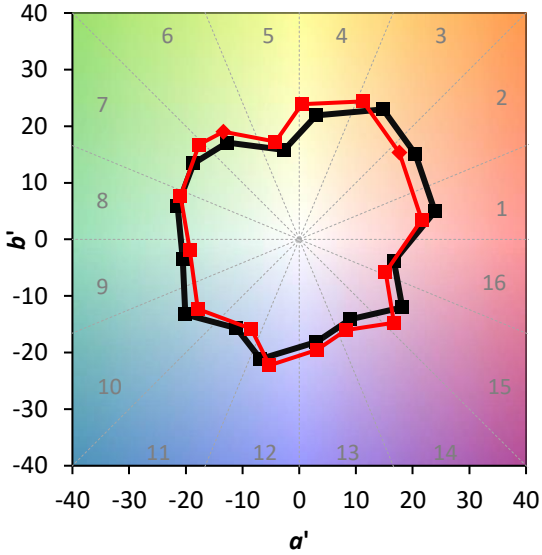
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

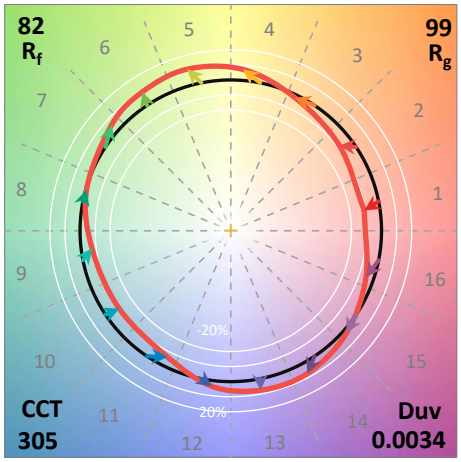
Spectral Power Distribution Comparison

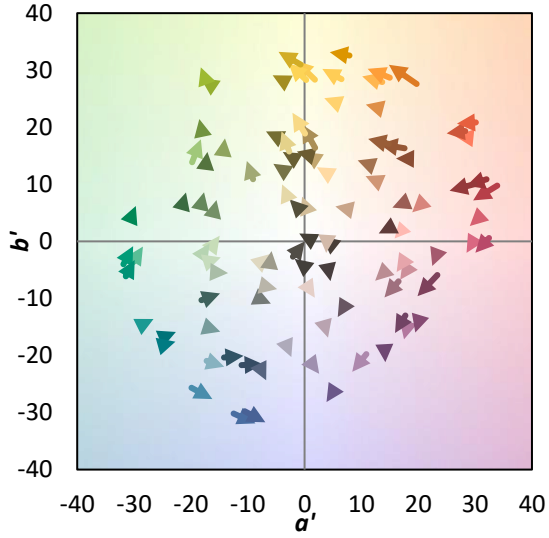


Color Vector Graphics









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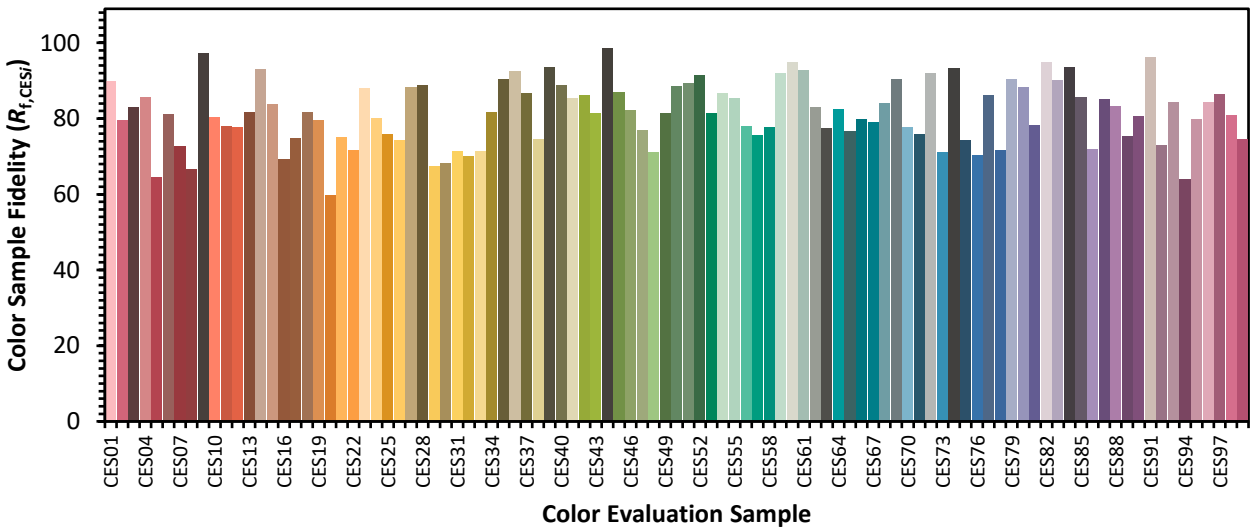
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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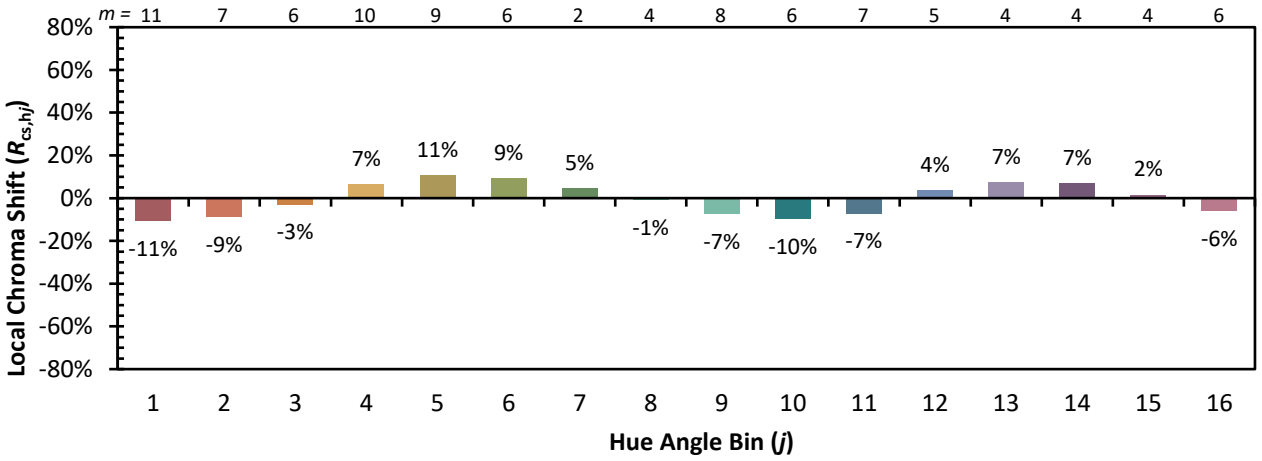
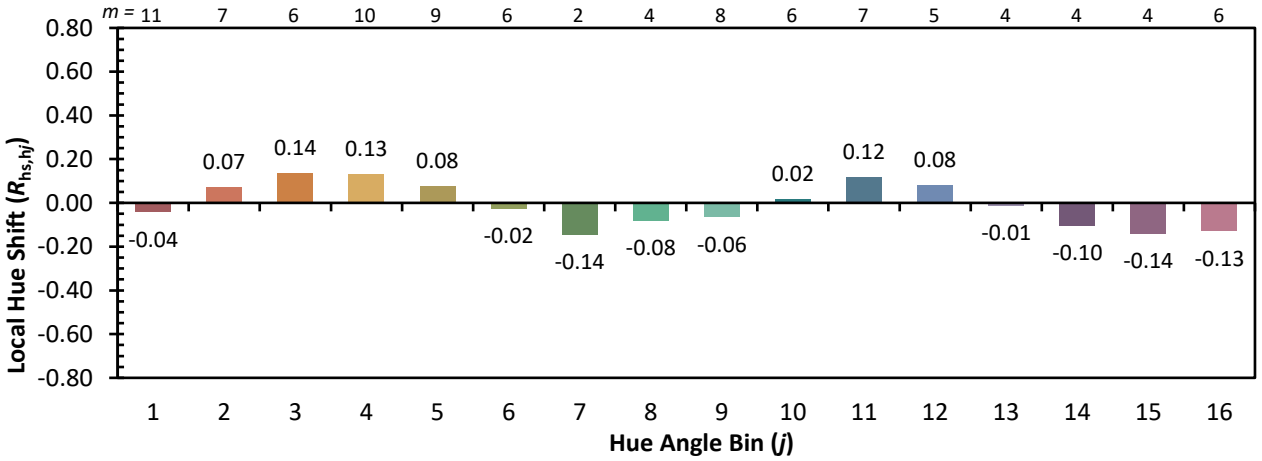
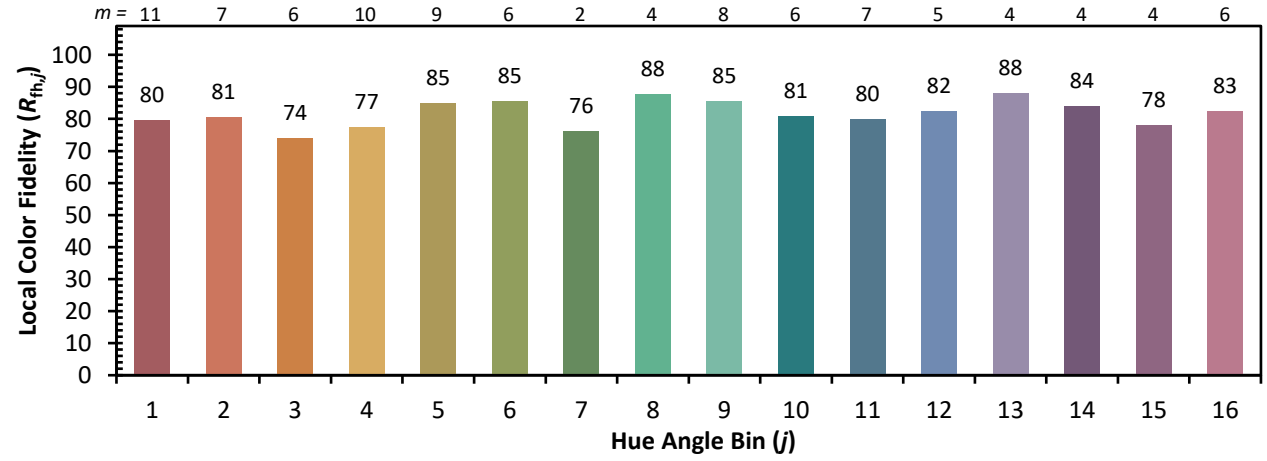
Color Rendition by Hue-Angle Bin







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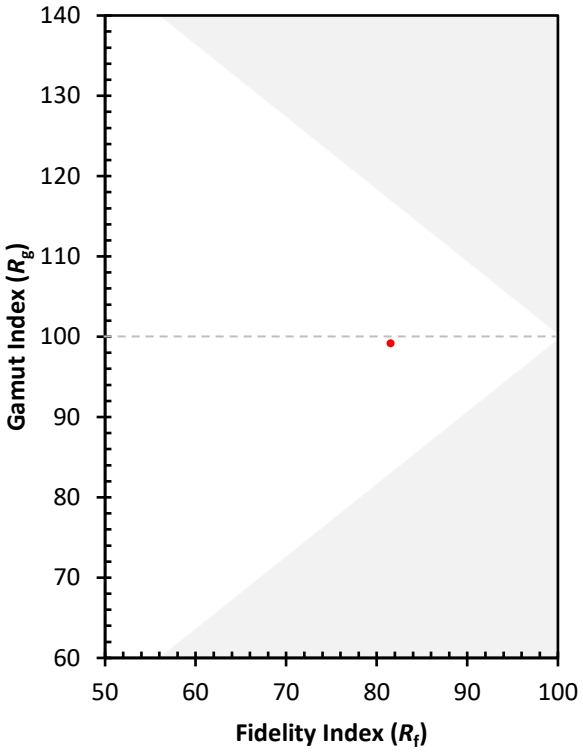
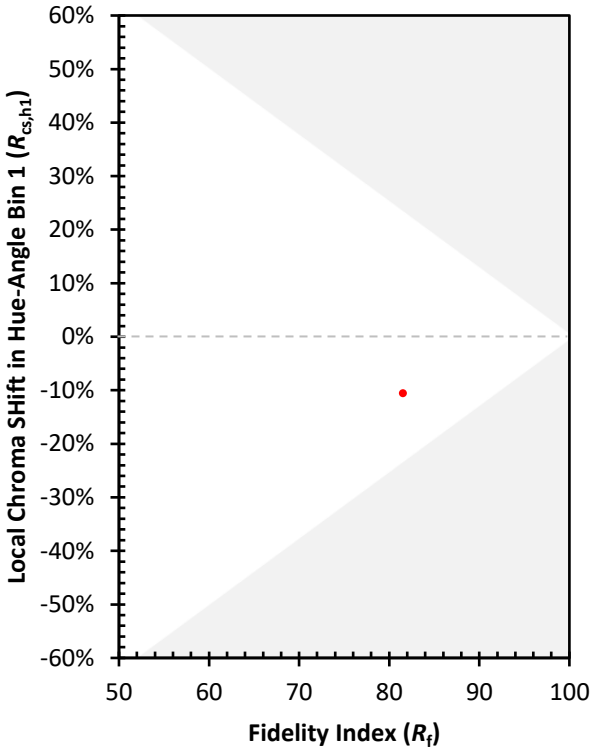
Measure Comparisons





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