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: P386272

Luminaire Tested: **GPC-SA1D-830-U-SL2-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:	P386272
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
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-SL2-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5454 lumens
Efficiency:	N/A
Efficacy:	82.6 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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REPORT NUMBER: P386272
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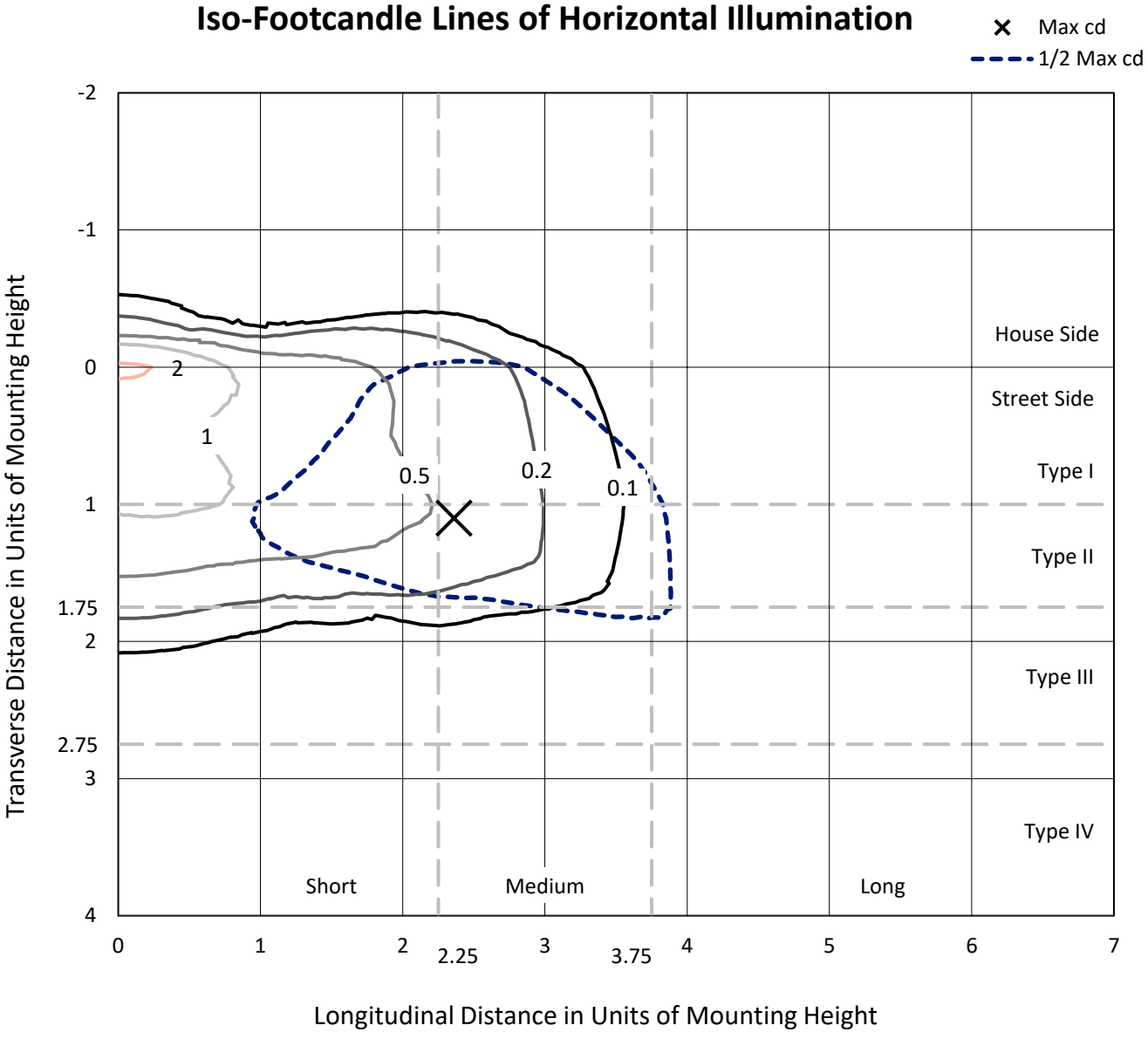
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Medium - N/A

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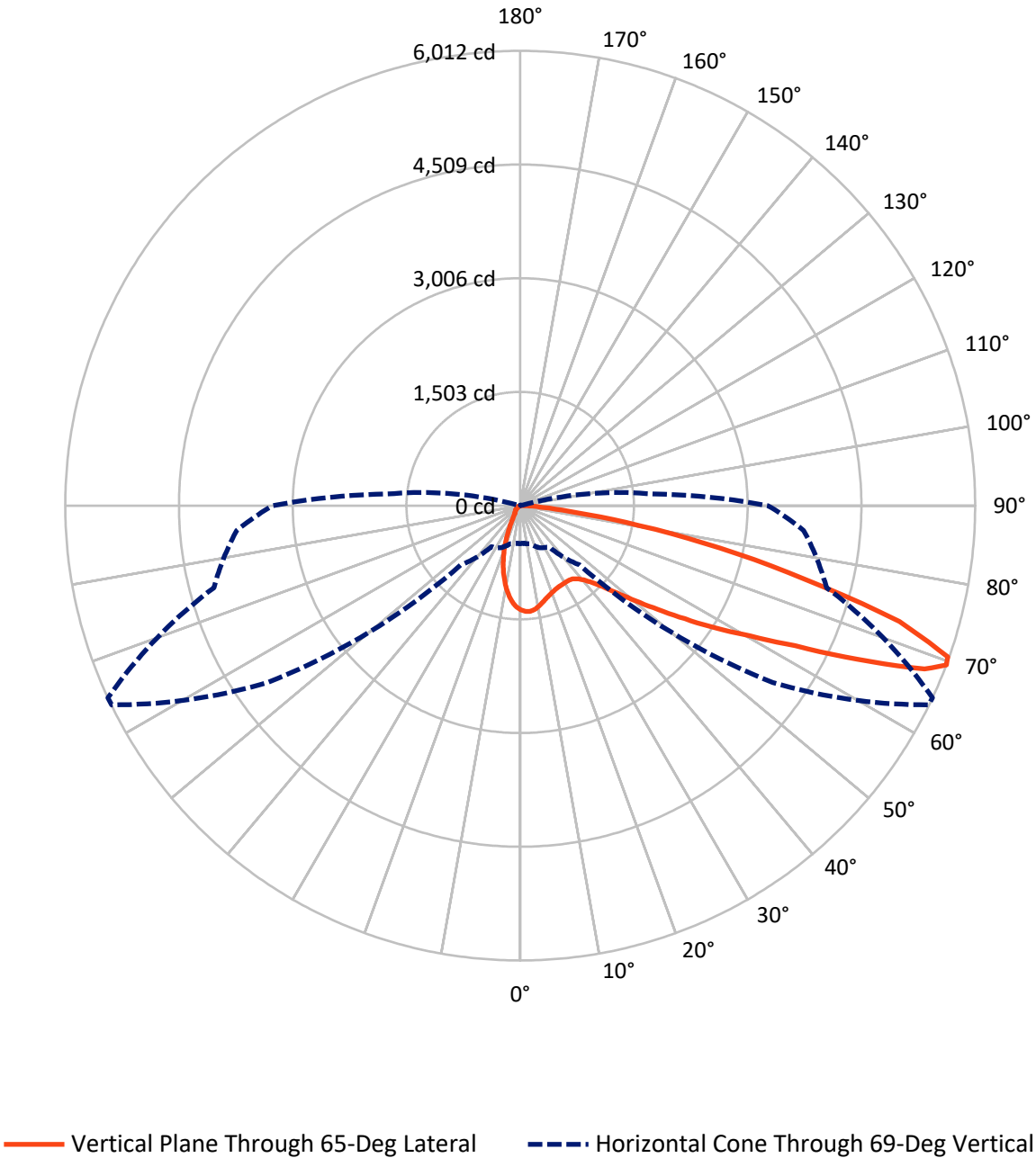
Luminous Intensity Polar Plot



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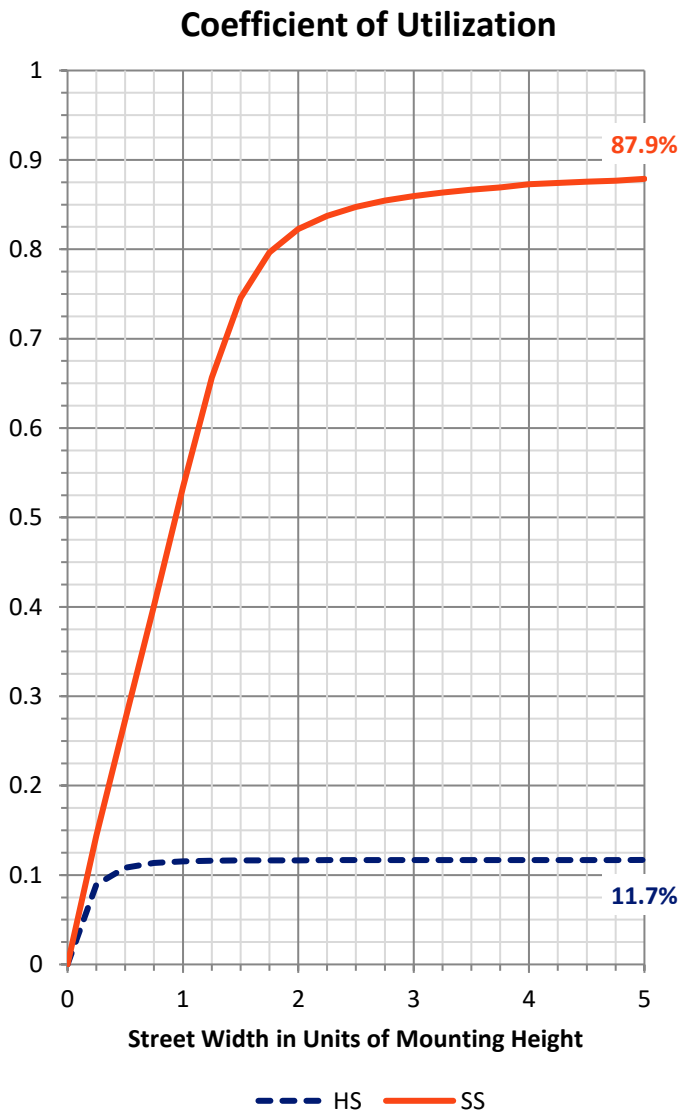
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	642.9	0.0	642.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4811.1	0.0	4811.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	5454.0	0.0	5454.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	2.1
10°-20°	252.3	4.6
20°-30°	349.4	6.4
30°-40°	487.2	8.9
40°-50°	757.3	13.9
50°-60°	1215.7	22.3
60°-70°	1375.2	25.2
70°-80°	807.7	14.8
80°-90°	94.0	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°	5454.0	100.0
0°-180°	5454.0	100.0



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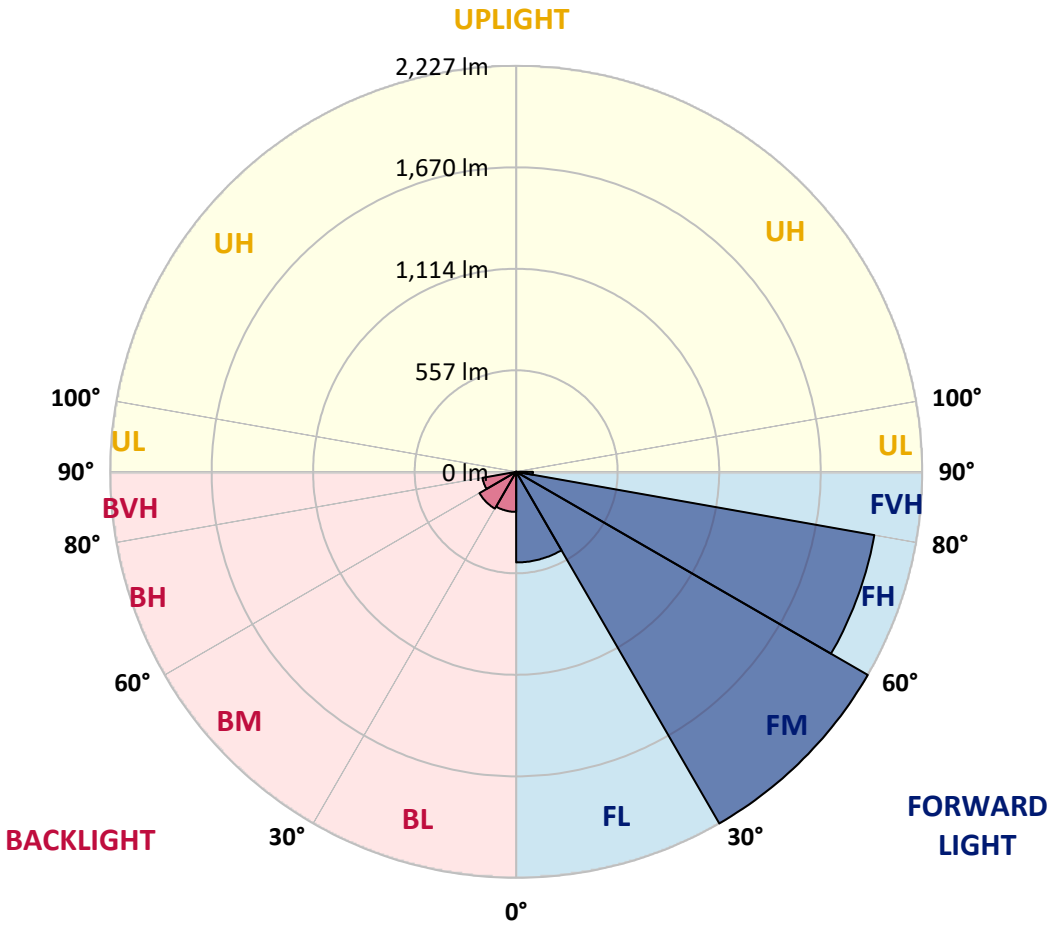
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	497.0	9.1			
FM	(30°-60°)	2227.3	40.8			
FH	(60°-80°)	1995.0	36.6			G2/5000
FVH	(80°-90°)	91.8	1.7			G1/100
BL	(0°-30°)	220.0	4.0	B1/500		
BM	(30°-60°)	233.0	4.3	B1/1000		
BH	(60°-80°)	187.8	3.4	B1/500		G1/500
BVH	(80°-90°)	2.1	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: P386272
CATALOG NUMBER: GPC-SA1D-830-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2	*1378.2*	1378.2	1378.2
2.5°	1390.5	1387.0	1389.8	1395.8	1398.8	1398.8	1401.1	1398.3	*1399.2*	1392.5	1382.9
5°	1303.5	1298.2	1305.8	1322.6	1343.4	1361.2	1387.5	1401.3	*1402.7*	1402.9	1391.6
7.5°	1209.8	1204.9	1216.2	1236.1	1262.8	1295.8	1341.8	1381.9	*1384.2*	1405.9	1397.6
10°	1133.6	1130.1	1143.3	1164.5	1195.9	1232.8	1289.2	1345.0	*1351.7*	1399.7	1396.7
12.5°	1073.1	1070.4	1082.8	1107.3	1139.4	1180.2	1239.1	1303.9	*1312.9*	1385.6	1392.1
15°	1029.1	1028.6	1039.0	1062.5	1098.1	1136.1	1196.4	1265.8	*1276.2*	1370.4	1391.4
17.5°	1006.0	1006.7	1014.3	1034.4	1064.8	1102.7	1160.4	1233.8	*1245.1*	1356.8	1394.9
20°	1003.7	1004.4	1008.5	1019.8	1044.5	1078.0	1131.1	1206.8	*1218.5*	1346.6	1400.4
22.5°	1024.0	1023.5	1024.7	1023.5	1037.4	1062.8	1111.7	1186.0	*1199.6*	1339.9	1404.8
25°	1063.0	1062.3	1061.8	1053.3	1044.1	1057.7	1103.6	1174.2	*1187.1*	1335.1	1407.3
27.5°	1117.2	1116.8	1116.1	1102.0	1074.3	1065.8	1104.5	1169.8	*1180.7*	1331.2	1406.9
30°	1188.5	1191.8	1190.8	1171.2	1128.1	1090.4	1114.2	1167.5	*1177.0*	1323.5	1402.0
32.5°	1272.3	1278.8	1283.8	1262.8	1208.8	1139.4	1136.6	1170.1	*1177.0*	1317.8	1393.2
35°	1359.3	1367.6	1386.3	1378.9	1307.8	1213.0	1175.1	1185.3	*1191.1*	1321.0	1389.1
37.5°	1444.9	1454.9	1495.5	1516.9	1437.5	1310.4	1235.1	1222.9	*1225.9*	1340.6	1393.7
40°	1544.4	1559.4	1621.0	1655.6	1592.4	1440.8	1324.9	1287.5	*1288.7*	1383.8	1415.2
42.5°	1675.0	1690.5	1757.2	1811.4	1766.9	1605.6	1446.8	1386.3	*1385.2*	1464.5	1465.7
45°	1834.3	1850.4	1919.4	1979.7	1959.6	1800.8	1602.8	1530.6	*1529.2*	1591.9	1561.5
47.5°	2014.7	2030.7	2092.3	2154.4	2176.1	2028.8	1801.5	1727.4	*1724.2*	1769.0	1709.4
50°	2169.6	2180.0	2236.7	2320.3	2418.1	2309.0	2048.7	1977.3	*1973.9*	2004.1	1926.6
52.5°	2225.9	2231.9	2289.6	2406.6	2650.8	2688.4	2373.4	2281.5	*2279.0*	2292.1	2215.7
55°	2111.9	2122.7	2193.6	2367.1	2776.8	3117.2	2783.2	2658.2	*2639.0*	2610.6	2518.1
57.5°	1801.3	1818.6	1894.7	2125.5	2717.9	3457.4	3385.6	3084.2	*3056.0*	2882.5	2763.9
60°	1349.6	1370.9	1434.1	1683.1	2403.8	3578.5	4043.8	3558.9	*3495.4*	3099.0	2989.8
62.5°	926.1	936.7	979.7	1141.9	1770.3	3380.0	4594.4	4194.7	*4078.9*	3334.4	3234.2
65°	707.3	711.0	728.6	784.4	1054.2	2745.6	4813.4	5033.6	*4893.5*	3615.9	3487.8
67.5°	570.0	567.0	591.3	671.1	706.0	1675.0	4558.0	5827.3	*5761.7*	3992.3	3743.1
69°	*502.6*	*498.5*	*523.2*	*616.0*	*663.0*	*1107.3*	*4074.7*	*6007.5*	*6011.7*	*4191.0*	*3760.6*
70°	452.3	455.1	479.6	583.2	648.5	869.1	3613.1	5961.6	*5994.4*	4265.3	3655.4
72.5°	302.1	309.5	358.6	484.2	623.6	657.7	2181.6	5115.8	*5241.8*	4098.0	3136.1
75°	170.3	175.9	234.2	365.1	587.6	626.3	1152.3	3768.9	*3890.8*	3426.9	2418.4
77.5°	83.5	86.5	132.5	235.6	491.3	596.8	653.6	2560.1	*2699.2*	2236.7	1367.9
80°	35.3	36.9	66.2	145.4	351.3	569.6	485.3	1575.6	*1592.9*	876.3	364.4
82.5°	13.6	14.1	27.9	90.7	223.2	444.0	405.9	747.0	*729.0*	165.0	83.1
85°	1.6	1.8	10.2	54.5	124.2	228.5	329.8	321.9	*297.9*	32.8	42.7
87.5°	0.0	0.0	0.7	16.6	36.9	107.1	171.5	133.6	*120.5*	10.6	22.2
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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REPORT NUMBER: P386272
CATALOG NUMBER: GPC-SA1D-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2
2.5°	1374.8	1372.5	1360.0	1342.0	1324.9	1303.7	1283.4	1271.2	1261.5	1255.0	1262.6
5°	1378.5	1368.3	1330.5	1282.0	1234.5	1180.9	1131.1	1088.8	1072.2	1053.8	1062.1
7.5°	1377.3	1358.2	1290.1	1203.8	1116.5	1026.3	940.9	875.1	841.0	807.5	816.0
10°	1371.5	1339.2	1236.1	1108.2	977.6	847.9	726.7	634.7	583.2	536.6	543.3
12.5°	1358.8	1313.8	1172.4	998.8	824.1	653.1	511.2	393.3	330.0	302.1	305.6
15°	1351.2	1289.2	1105.0	888.1	660.3	454.9	312.5	232.4	203.6	194.3	195.5
17.5°	1347.5	1265.4	1035.3	761.4	492.7	289.6	201.9	178.2	171.9	170.3	170.8
20°	1343.8	1241.4	963.5	636.0	339.5	194.8	165.9	159.0	156.7	154.6	155.1
22.5°	1337.6	1218.3	886.4	509.1	228.9	158.1	149.5	142.9	138.0	135.5	135.9
25°	1330.0	1194.1	807.7	379.2	167.1	141.0	132.9	123.5	117.7	113.1	113.3
27.5°	1317.8	1164.3	726.5	276.0	140.3	126.2	115.4	105.0	95.3	90.0	90.0
30°	1300.7	1130.6	636.3	197.6	125.8	111.7	98.5	85.6	75.2	70.4	69.9
32.5°	1281.8	1095.5	545.1	149.8	114.2	98.1	83.1	69.5	60.2	56.3	56.1
35°	1265.6	1057.7	454.2	125.5	102.7	84.9	68.5	57.0	49.6	46.4	46.2
37.5°	1255.2	1019.8	365.6	112.2	92.3	72.7	57.5	47.1	41.8	39.2	39.0
40°	1253.6	991.7	284.6	102.0	82.6	61.8	48.0	39.9	35.1	32.3	32.1
42.5°	1274.6	975.5	218.3	93.5	72.7	52.4	40.8	34.2	29.1	26.3	26.1
45°	1329.8	980.6	168.0	85.9	62.8	44.3	34.6	28.4	23.8	21.7	21.2
47.5°	1430.4	1015.7	133.6	78.2	53.3	37.6	29.5	23.5	19.6	17.5	17.3
50°	1609.5	1098.1	111.7	69.9	44.5	32.1	24.5	19.2	15.9	14.1	13.8
52.5°	1847.2	1244.8	99.7	61.8	36.9	27.2	20.1	15.2	12.5	11.1	10.8
55°	2109.4	1422.5	91.9	53.1	30.2	22.6	15.9	12.0	9.7	8.5	8.1
57.5°	2365.3	1576.5	84.5	44.5	25.2	18.5	12.7	9.5	7.6	6.5	6.2
60°	2600.5	1717.9	75.9	35.8	20.5	14.5	9.9	7.4	6.0	4.8	4.8
62.5°	2852.2	1827.3	64.2	27.9	16.8	11.1	8.1	6.7	4.8	4.2	3.9
65°	3119.0	1908.6	50.3	21.7	13.2	8.3	6.7	6.9	3.9	3.0	2.8
67.5°	3316.1	1892.4	37.2	17.1	10.2	6.5	6.5	7.4	3.5	2.3	2.1
69°	*3272.7*	*1761.1*	*31.2*	*14.8*	*8.8*	*5.5*	*6.0*	*7.4*	*3.2*	*2.1*	*1.8*
70°	3147.0	1615.7	27.5	13.2	7.8	5.1	5.8	7.2	3.0	2.1	1.8
72.5°	2620.8	1216.9	21.5	9.9	6.2	4.2	4.8	6.2	3.0	2.1	1.6
75°	1971.3	778.9	16.4	7.2	4.6	3.2	3.7	4.6	3.0	1.8	1.6
77.5°	1072.7	280.9	11.8	4.8	3.2	2.5	2.5	3.5	2.8	1.4	0.9
80°	275.8	70.6	7.4	3.2	2.5	1.8	1.6	2.3	1.6	0.2	0.0
82.5°	68.1	15.9	3.9	2.3	1.8	0.7	0.7	1.2	0.7	0.0	0.0
85°	37.4	7.8	2.5	1.6	0.9	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	19.2	2.3	0.7	0.5	0.2	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

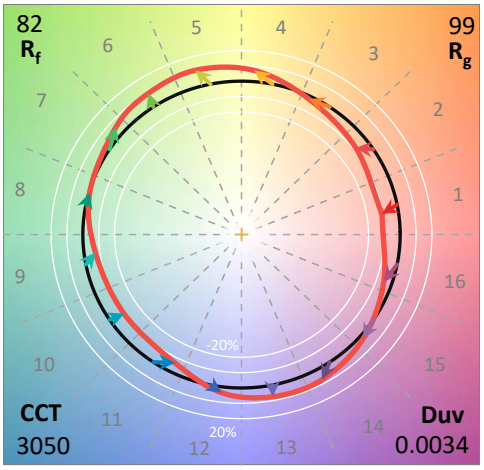
Test Information

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

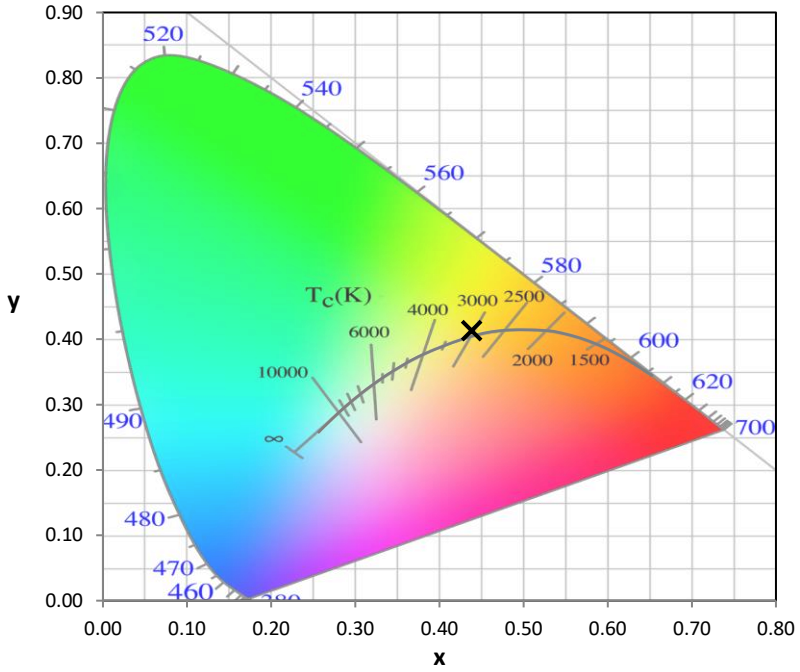
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

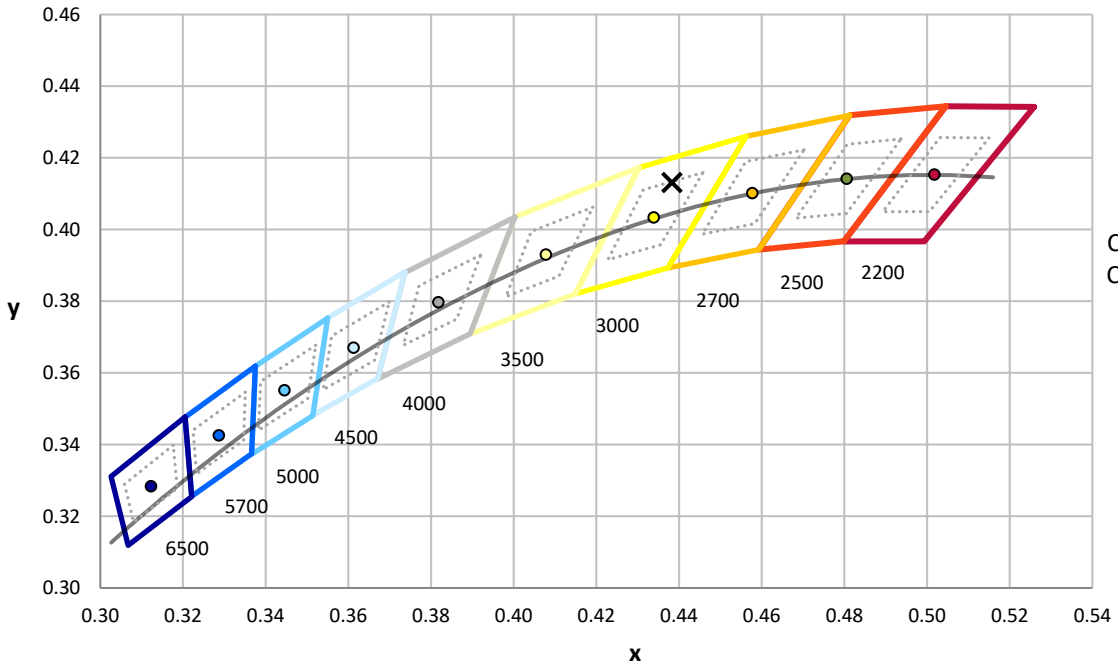
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

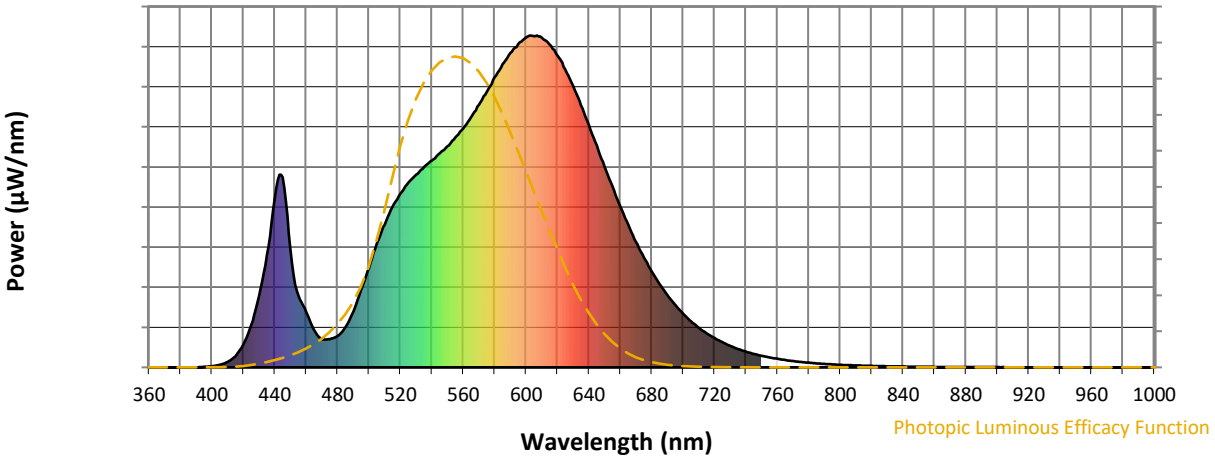


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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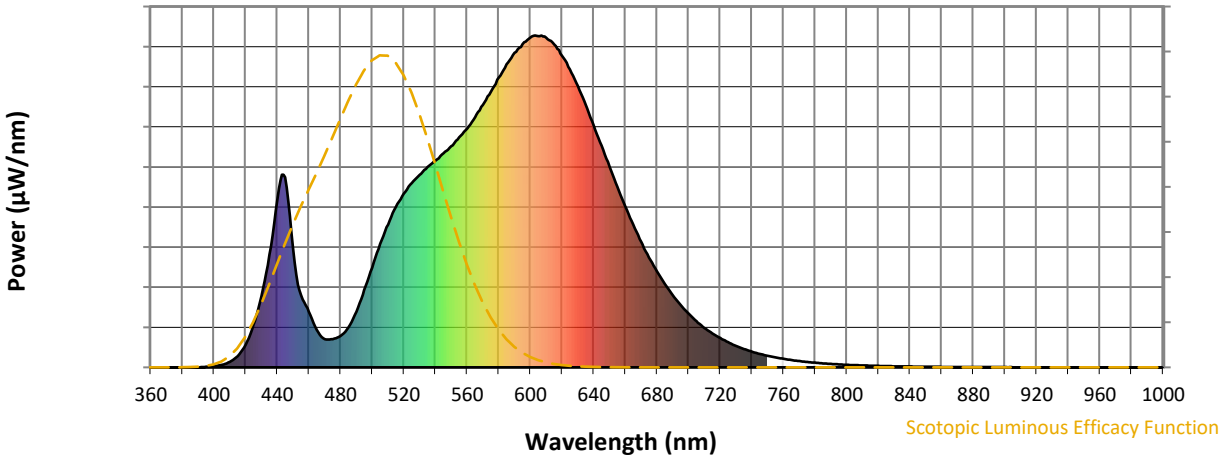
Scotopic Flux vs. Wavelength



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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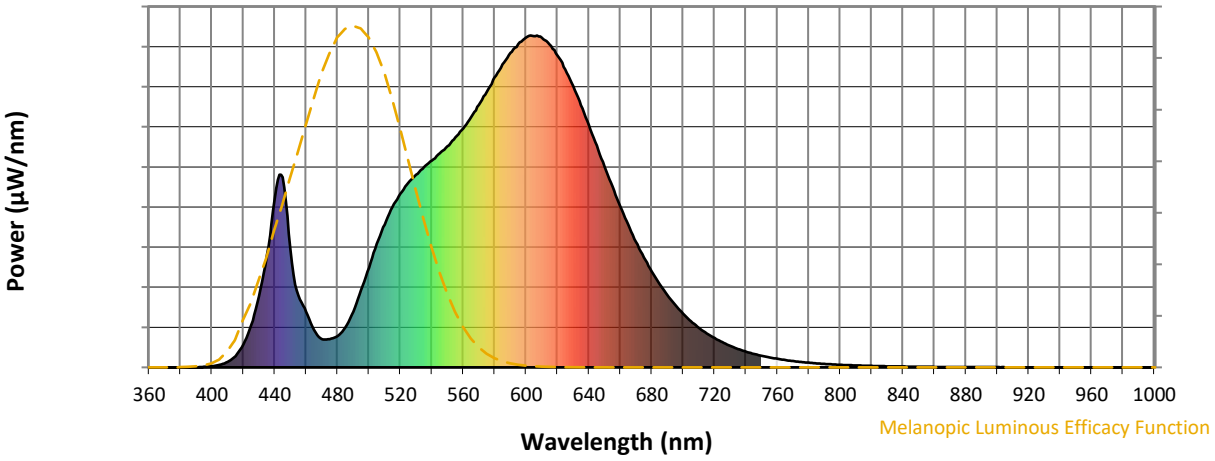
Melanopic Flux vs. Wavelength



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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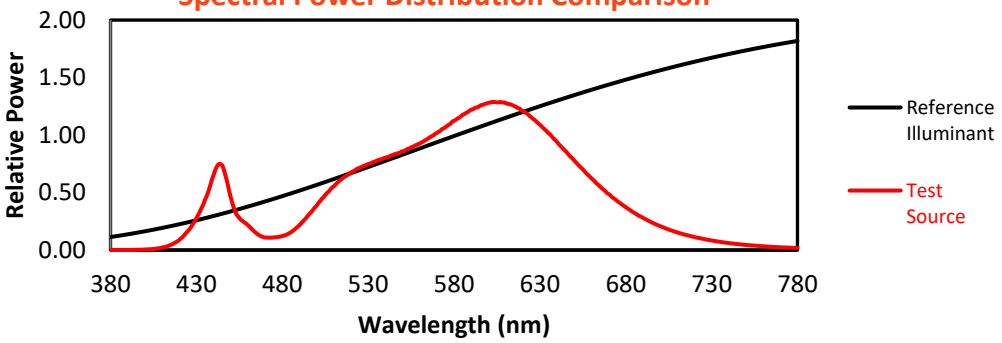
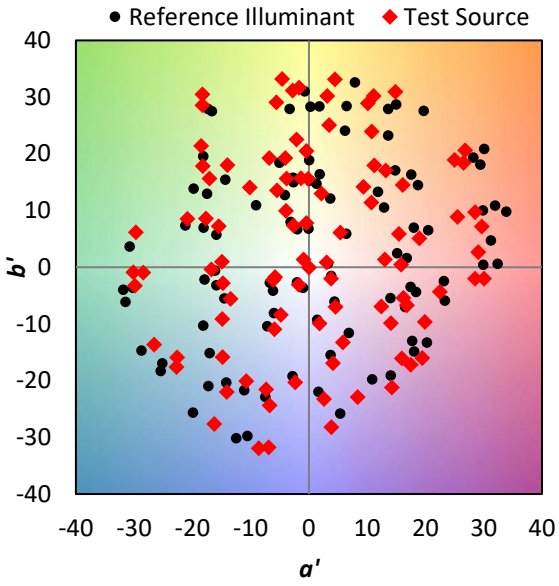
Summary

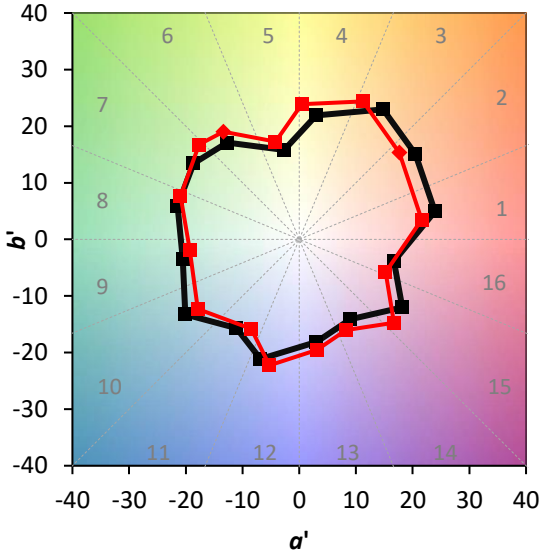
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

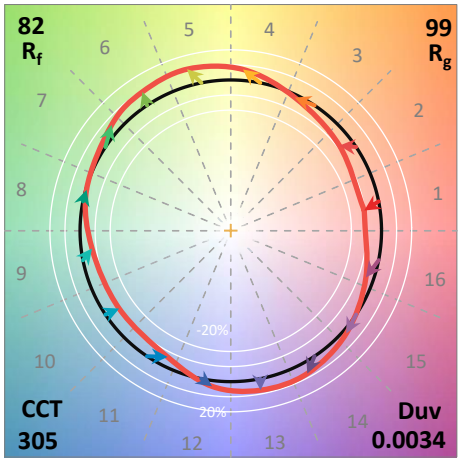
Spectral Power Distribution Comparison

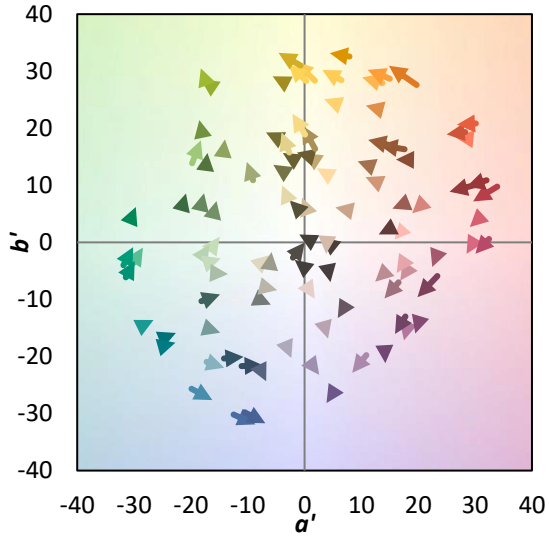


Color Vector Graphics









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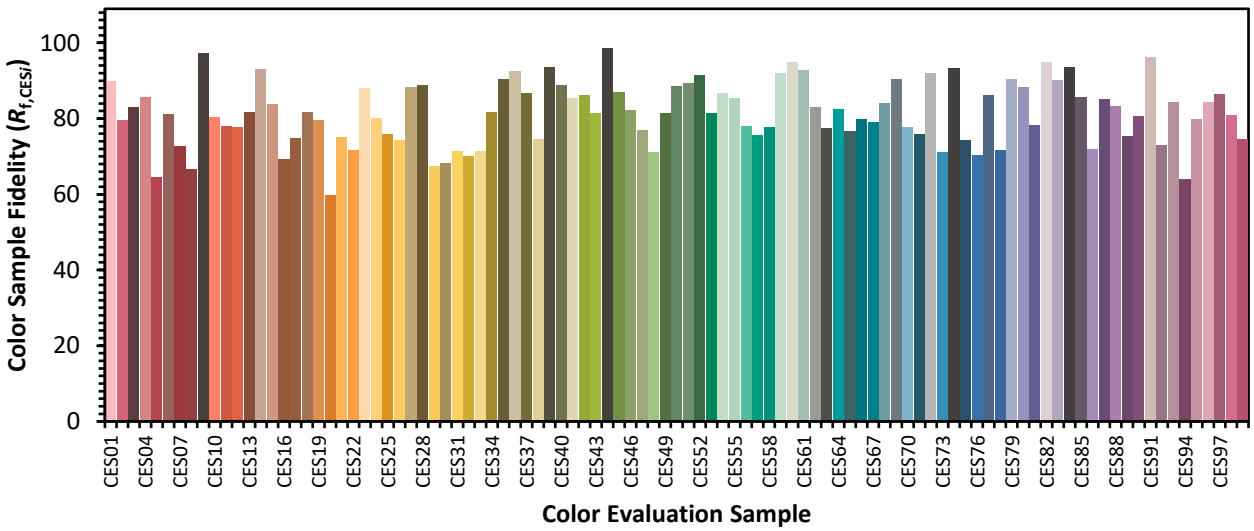
Individual Sample Fidelity Index ($R_{f,i}$)

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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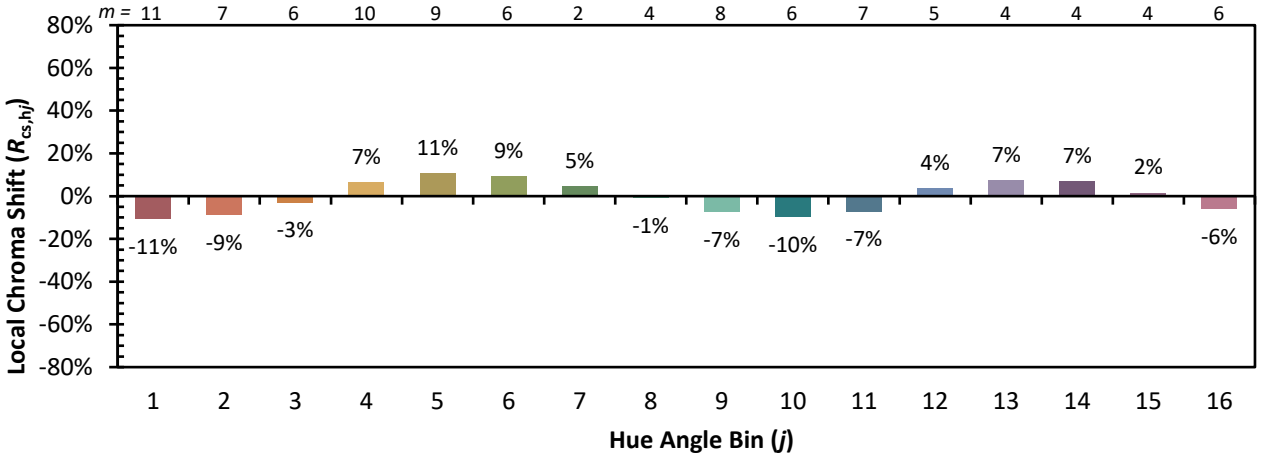
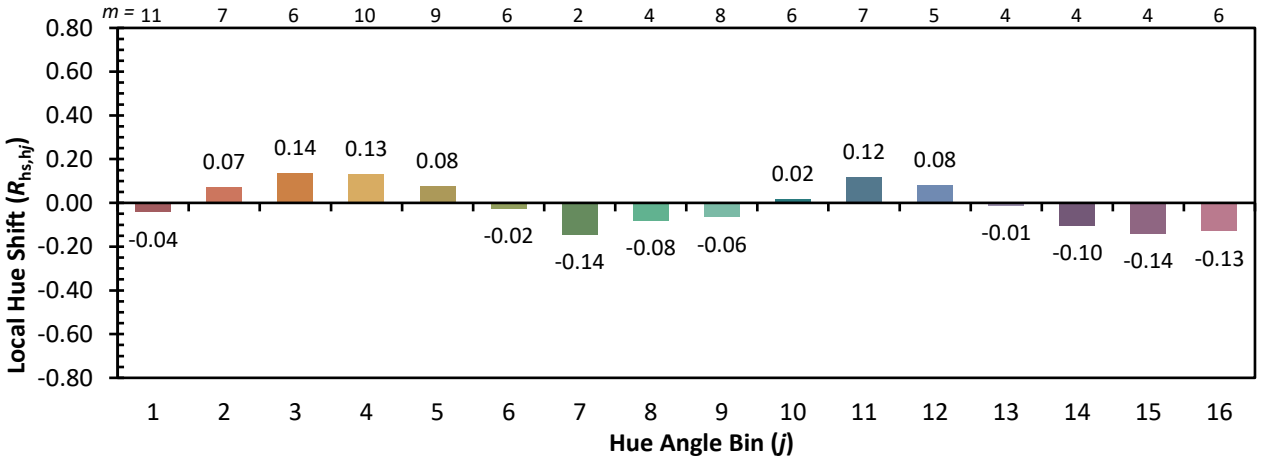
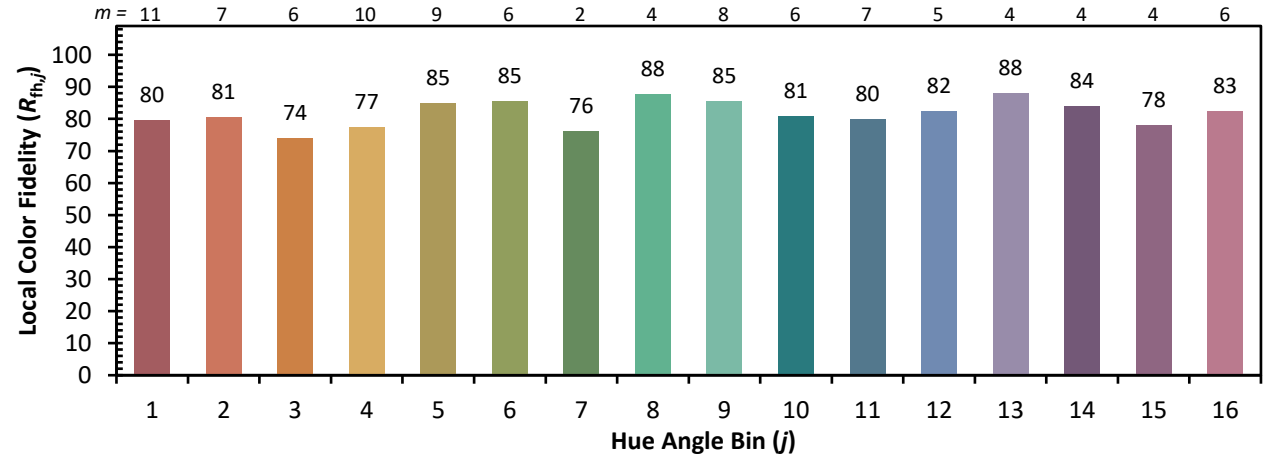
Color Rendition by Hue-Angle Bin







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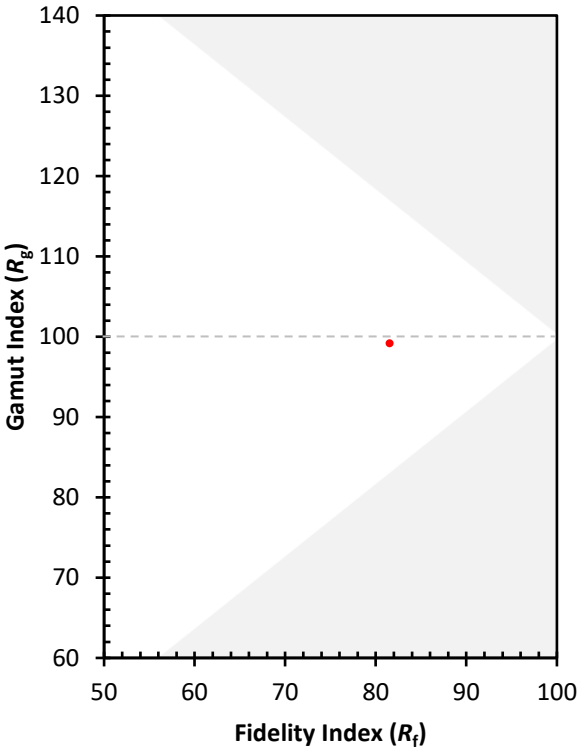
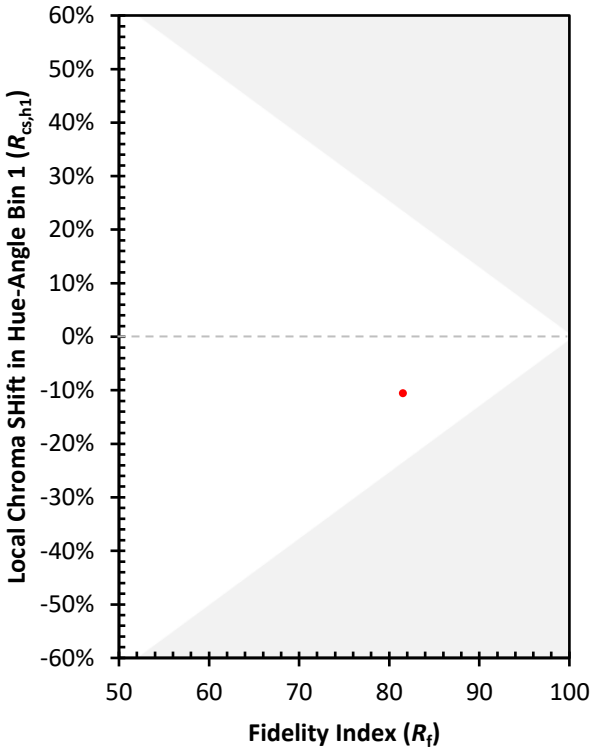
Measure Comparisons





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