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: P386500

Luminaire Tested: **GPC-SA2A-830-U-SL4-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:	P386500
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2A-830-U-SL4-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6271 lumens
Efficiency:	N/A
Efficacy:	95.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
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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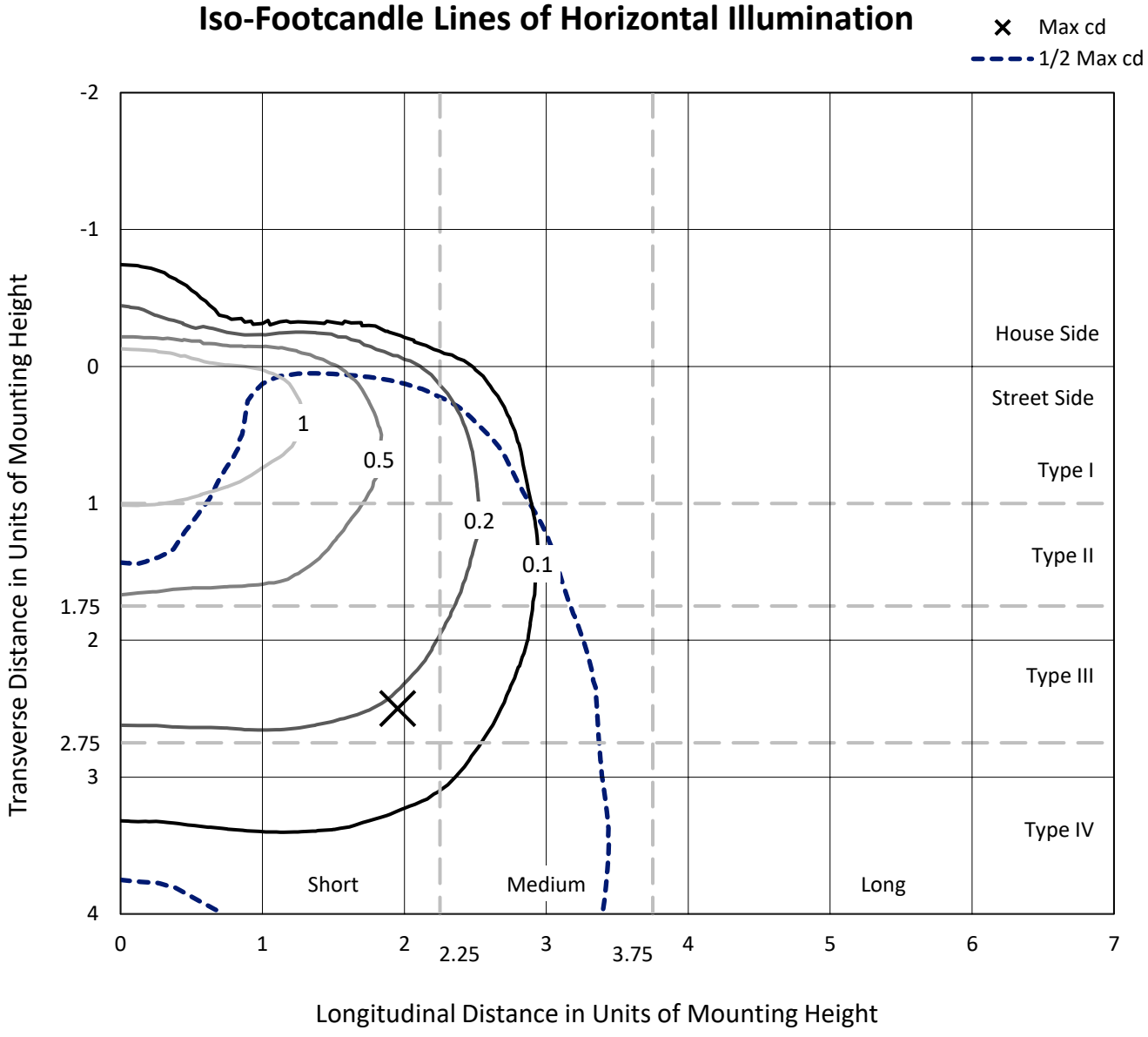
REPORT NUMBER: P386500
CATALOG NUMBER: GPC-SA2A-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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REPORT NUMBER: P386500
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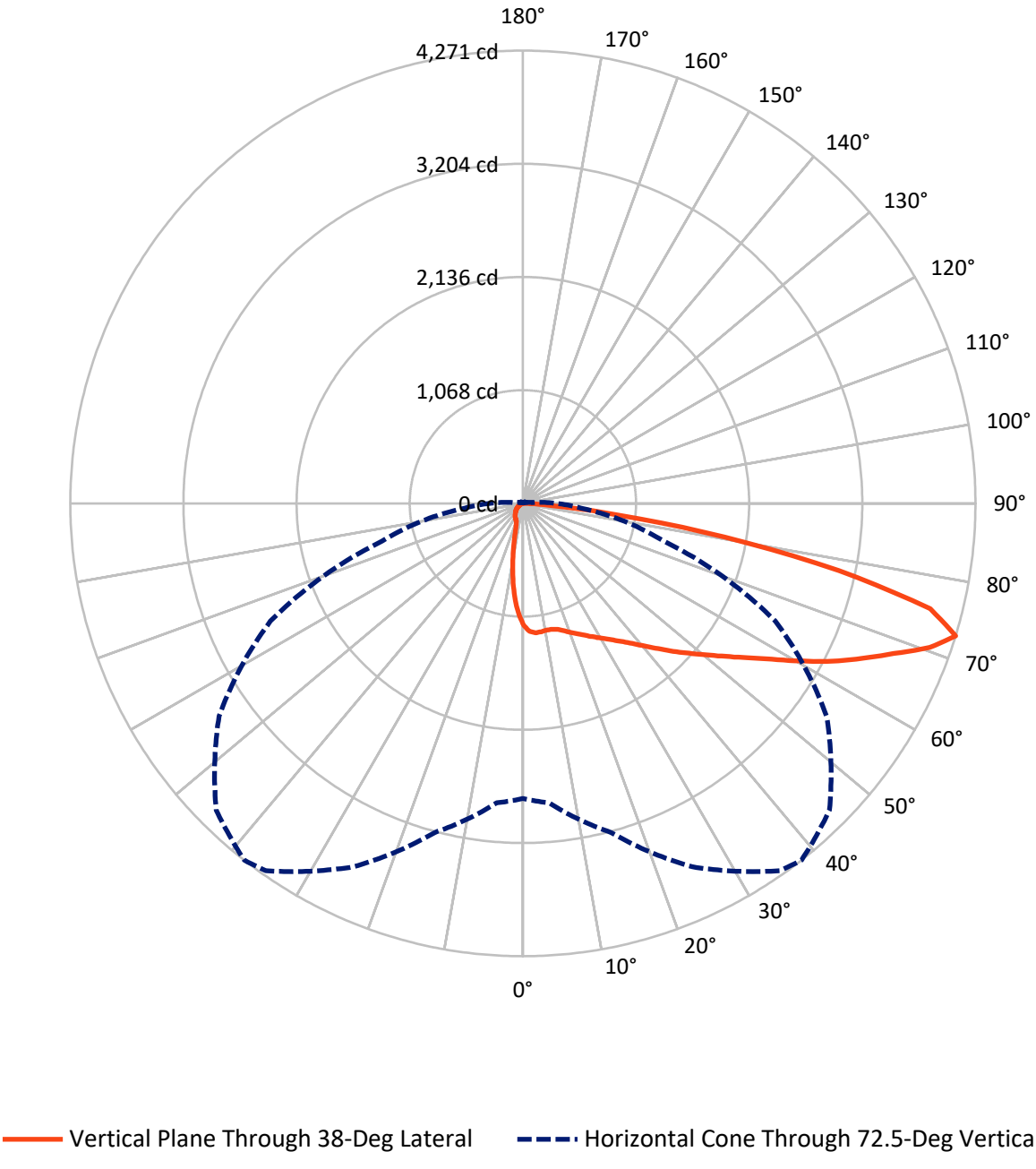
Luminous Intensity Polar Plot



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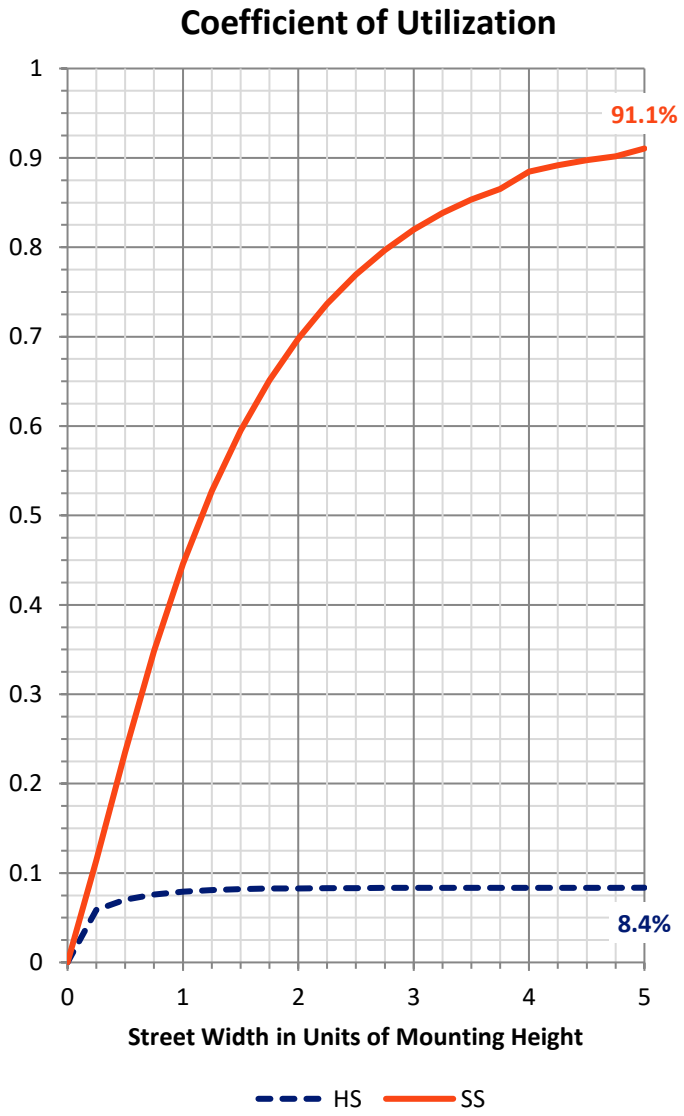
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	527.7	0.0	527.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5743.3	0.0	5743.3
	% Fixture	91.6	0.0	91.6
Total	Lumens	6271.0	0.0	6271.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.3	1.6
10°-20°	240.3	3.8
20°-30°	382.2	6.1
30°-40°	574.6	9.2
40°-50°	876.6	14.0
50°-60°	1238.9	19.8
60°-70°	1554.0	24.8
70°-80°	1162.0	18.5
80°-90°	144.1	2.3
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°	6271.0	100.0
0°-180°	6271.0	100.0



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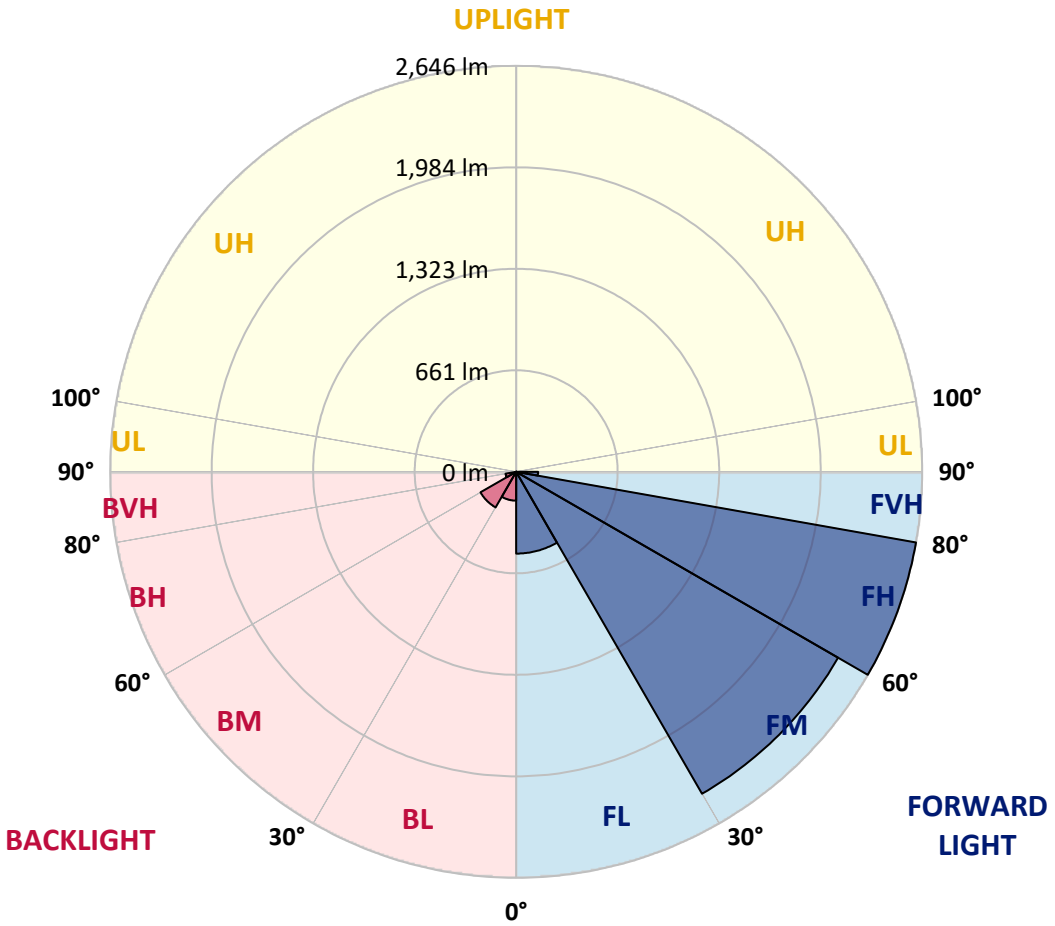
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	532.9	8.5			
FM	(30°-60°)	2422.1	38.6			
FH	(60°-80°)	2645.5	42.2			G2/5000
FVH	(80°-90°)	142.7	2.3			G2/225
BL	(0°-30°)	187.9	3.0	B1/500		
BM	(30°-60°)	268.0	4.3	B1/1000		
BH	(60°-80°)	70.5	1.1	B0/110		G0/110
BVH	(80°-90°)	1.3	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 IV Short



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Scaled Data Report

REPORT NUMBER: P386500
CATALOG NUMBER: GPC-SA2A-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2
2.5°	1224.1	1224.3	1221.5	1216.8	1210.8	1207.6	1202.4	1194.1	1185.3	1169.4	1152.2
5°	1249.1	1249.1	1245.4	1239.2	1229.5	1226.7	1216.8	1203.5	1185.3	1159.5	1130.6
7.5°	1246.5	1247.0	1242.0	1235.5	1225.9	1223.3	1211.3	1196.4	1173.8	1142.5	1105.6
10°	1232.9	1234.2	1230.3	1227.2	1218.3	1215.5	1204.3	1189.4	1166.8	1133.4	1091.0
12.5°	1219.1	1220.4	1221.7	1224.6	1219.1	1218.1	1209.2	1196.7	1175.1	1140.5	1092.5
15°	1210.3	1212.9	1222.2	1233.4	1234.7	1233.7	1228.0	1216.2	1194.4	1158.4	1103.7
17.5°	1210.3	1214.4	1234.0	1255.3	1262.9	1263.6	1258.7	1242.3	1216.2	1177.7	1114.2
20°	1220.4	1226.1	1256.6	1286.8	1299.3	1299.3	1289.7	1266.8	1236.3	1195.1	1121.2
22.5°	1246.5	1254.0	1292.3	1327.2	1340.5	1337.6	1324.6	1291.2	1257.1	1214.9	1130.0
25°	1297.8	1303.5	1343.3	1378.5	1386.6	1380.1	1363.6	1320.9	1283.7	1241.8	1146.2
27.5°	1363.9	1364.7	1405.8	1435.5	1430.6	1426.2	1405.6	1358.2	1322.0	1280.0	1174.1
30°	1436.6	1436.6	1472.8	1495.4	1480.3	1476.7	1456.1	1403.2	1370.9	1332.1	1213.6
32.5°	1506.9	1510.0	1539.4	1553.8	1536.8	1533.2	1513.1	1460.3	1436.1	1411.6	1275.4
35°	1574.9	1577.2	1605.1	1612.9	1596.7	1597.8	1583.5	1538.7	1529.5	1526.4	1368.3
37.5°	1640.8	1641.3	1669.7	1674.6	1666.5	1675.4	1676.7	1637.1	1654.0	1679.3	1499.3
40°	1700.9	1701.4	1729.6	1742.3	1756.1	1767.6	1777.7	1756.6	1812.6	1871.2	1655.3
42.5°	1749.1	1754.6	1790.2	1814.5	1850.9	1872.8	1900.4	1899.4	2001.5	2089.5	1843.9
45°	1791.5	1800.9	1850.7	1893.1	1955.6	1990.5	2033.8	2067.6	2214.0	2332.5	2034.8
47.5°	1847.5	1856.4	1913.2	1982.7	2066.0	2111.9	2183.5	2256.7	2447.6	2571.0	2221.3
50°	1926.5	1922.5	1978.5	2078.3	2185.3	2245.5	2347.6	2457.2	2679.4	2778.9	2330.9
52.5°	2010.6	2009.0	2050.4	2182.2	2326.0	2396.3	2531.2	2664.5	2901.0	2922.1	2381.2
55°	2114.8	2103.6	2138.5	2300.7	2492.9	2568.4	2727.3	2869.8	3077.6	3002.8	2406.4
57.5°	2223.9	2205.4	2238.7	2432.7	2681.2	2770.5	2944.5	3069.8	3195.0	3058.1	2406.2
60°	2336.6	2314.8	2354.4	2597.9	2915.1	3018.5	3179.9	3204.9	3304.7	3085.9	2388.5
62.5°	2430.9	2417.9	2476.8	2774.4	3176.3	3277.9	3357.8	3327.9	3397.1	3107.5	2347.1
65°	2530.7	2531.5	2626.5	2980.4	3453.9	3522.4	3529.2	3487.3	3474.5	3103.1	2206.9
67.5°	2665.6	2678.1	2836.7	3260.2	3724.0	3776.9	3776.3	3659.9	3531.0	2927.1	1896.2
70°	2808.3	2837.7	3078.9	3580.2	4018.8	4072.5	4044.9	3769.8	3324.7	2366.9	1342.0
72.5°	2784.3	2835.4	3213.5	3782.1	4230.5	4271.4	4092.0	3499.8	2627.8	1375.6	571.4
75°	2148.1	2207.2	2946.6	3582.1	4008.4	3971.7	3515.9	2723.4	1436.1	383.9	128.7
77.5°	1134.7	1166.2	1946.5	2728.9	3125.5	3048.7	2476.8	1510.8	437.8	95.1	57.8
80°	594.3	601.6	848.2	1548.3	1929.1	1929.6	1467.8	663.6	180.5	48.7	38.8
82.5°	318.3	324.5	448.2	715.4	1010.8	916.2	562.0	365.1	105.0	27.6	37.2
85°	76.6	77.9	254.2	326.8	397.4	283.9	166.9	306.5	28.4	16.1	30.2
87.5°	29.4	30.0	94.3	141.4	101.3	65.6	78.1	114.3	3.6	6.3	4.7
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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REPORT NUMBER: P386500
CATALOG NUMBER: GPC-SA2A-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2
2.5°	1141.8	1135.0	1118.3	1097.2	1078.5	1064.9	1044.6	1031.3	1022.5	1022.2	1018.8
5°	1112.8	1099.0	1063.1	1020.4	981.6	946.7	905.5	873.0	848.8	844.9	836.5
7.5°	1081.9	1059.2	1004.0	937.3	872.2	806.1	729.2	681.6	640.7	621.1	619.1
10°	1062.8	1031.1	952.7	856.3	754.2	646.7	546.1	476.6	426.3	412.0	401.3
12.5°	1058.9	1017.0	913.1	780.3	634.4	492.2	381.0	307.1	266.9	254.2	250.8
15°	1062.8	1010.5	879.8	705.0	513.1	349.2	255.7	212.8	197.7	194.0	193.8
17.5°	1065.2	1002.7	842.0	621.4	395.3	249.5	195.8	183.3	181.0	180.7	181.3
20°	1064.9	990.7	796.9	528.2	294.0	196.1	177.1	174.5	174.0	174.2	174.0
22.5°	1063.1	976.6	747.5	432.1	222.2	175.3	169.0	167.5	167.2	167.2	167.2
25°	1066.5	965.4	693.0	340.1	183.1	165.6	161.7	160.4	160.2	160.2	159.6
27.5°	1078.7	959.2	633.4	261.7	165.4	157.0	153.9	153.7	152.9	152.6	153.1
30°	1098.5	959.2	568.0	203.7	154.7	148.2	145.8	145.3	145.1	144.8	145.1
32.5°	1133.4	966.5	496.7	169.3	144.5	138.3	136.7	137.5	136.7	136.7	136.7
35°	1196.4	988.4	421.9	147.7	133.9	128.7	127.1	128.1	127.6	127.6	127.4
37.5°	1288.4	1029.0	346.6	134.6	124.5	119.0	116.9	118.5	118.0	118.0	117.7
40°	1400.4	1088.1	275.0	124.7	115.4	109.6	107.8	108.6	107.3	107.3	107.8
42.5°	1538.7	1163.1	212.5	115.1	106.3	100.8	99.7	99.0	96.6	95.3	95.6
45°	1692.3	1241.2	165.6	105.7	97.7	93.2	91.7	89.6	85.7	83.1	83.3
47.5°	1829.6	1301.4	134.6	96.6	89.9	86.5	84.1	80.2	74.5	71.4	71.6
50°	1901.7	1310.5	114.6	87.5	82.6	79.2	75.8	69.8	63.0	59.6	59.4
52.5°	1920.2	1267.8	99.7	79.2	75.3	71.4	66.9	58.9	51.3	47.7	47.1
55°	1927.0	1202.7	86.5	71.4	67.5	63.0	57.3	48.2	41.1	37.5	37.2
57.5°	1904.6	1105.6	76.0	64.3	59.6	54.2	47.1	38.5	31.8	28.9	28.9
60°	1854.8	974.0	68.0	56.8	51.6	45.3	38.0	30.0	23.7	21.4	21.4
62.5°	1755.6	803.7	60.4	49.0	44.0	37.5	30.7	22.7	16.7	15.4	15.6
65°	1568.4	609.7	52.9	41.9	37.5	31.0	24.0	16.1	11.2	11.2	11.7
67.5°	1279.0	423.5	45.1	35.7	32.3	25.3	18.2	11.2	7.8	8.9	9.9
70°	846.7	237.5	38.5	29.4	27.6	20.1	13.5	7.6	6.3	8.3	10.2
72.5°	*319.6*	*92.5*	*32.3*	*23.7*	*24.0*	*15.4*	*9.6*	*5.7*	*5.7*	*9.1*	*12.0*
75°	89.1	45.3	23.2	17.4	18.8	11.2	7.0	4.9	5.5	10.4	14.1
77.5°	52.3	33.3	15.1	10.2	12.8	7.8	4.7	3.9	4.7	8.9	13.5
80°	42.2	17.7	8.9	5.2	7.0	4.4	3.1	2.3	1.3	3.4	7.0
82.5°	42.2	10.7	4.2	3.6	3.6	2.3	1.6	1.0	0.3	0.0	1.8
85°	28.4	4.4	2.6	2.3	1.8	0.8	0.5	0.3	0.0	0.0	0.0
87.5°	4.7	1.8	1.0	0.5	0.3	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

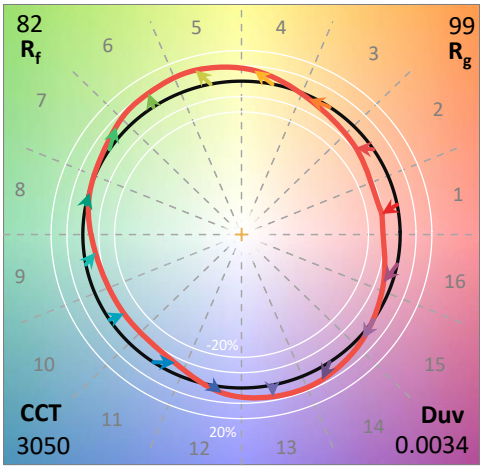
Test Information

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

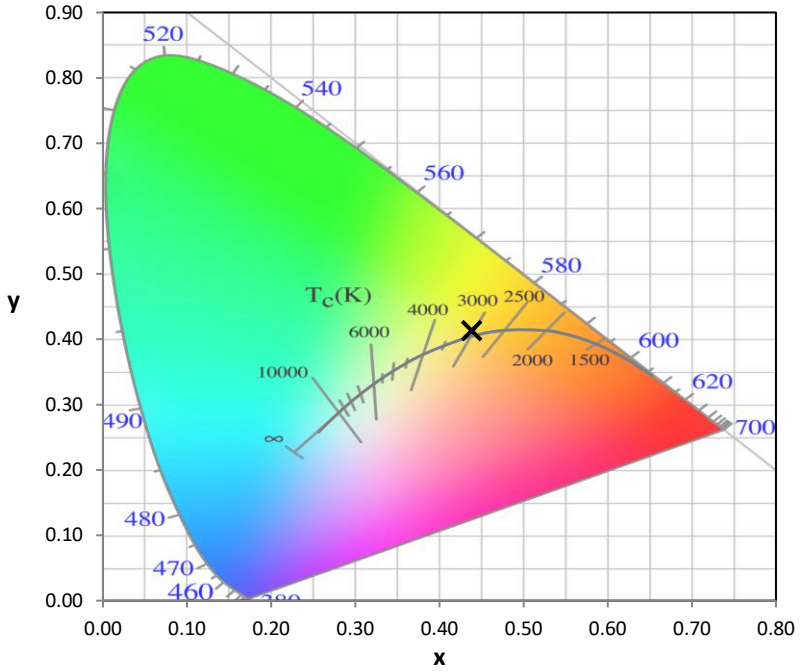
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

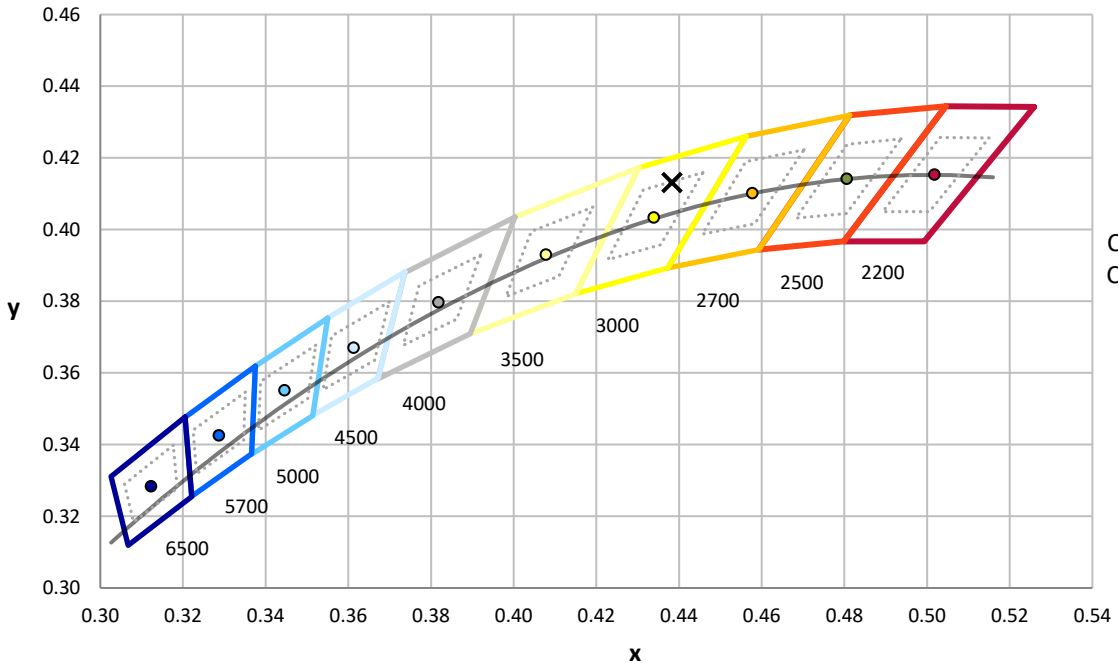
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

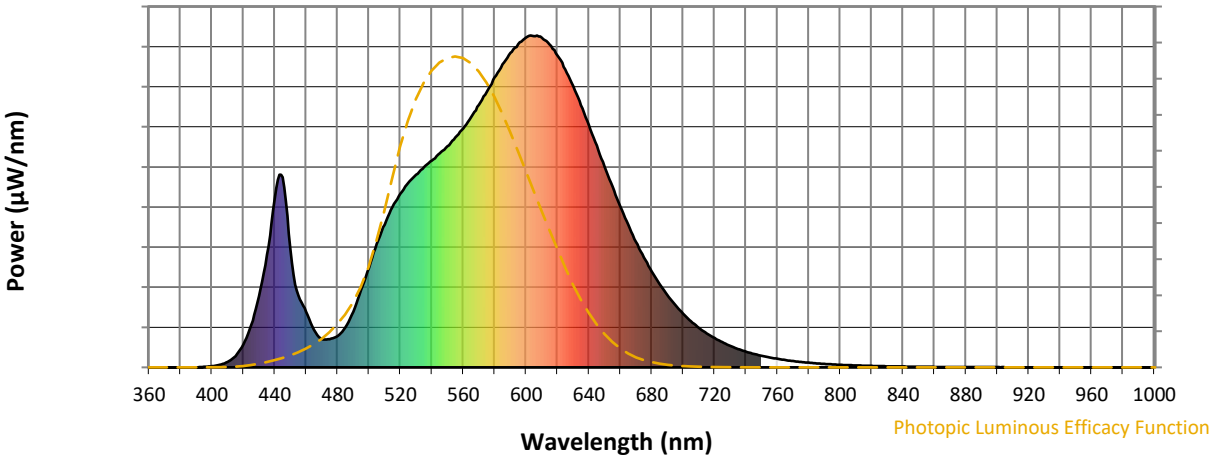


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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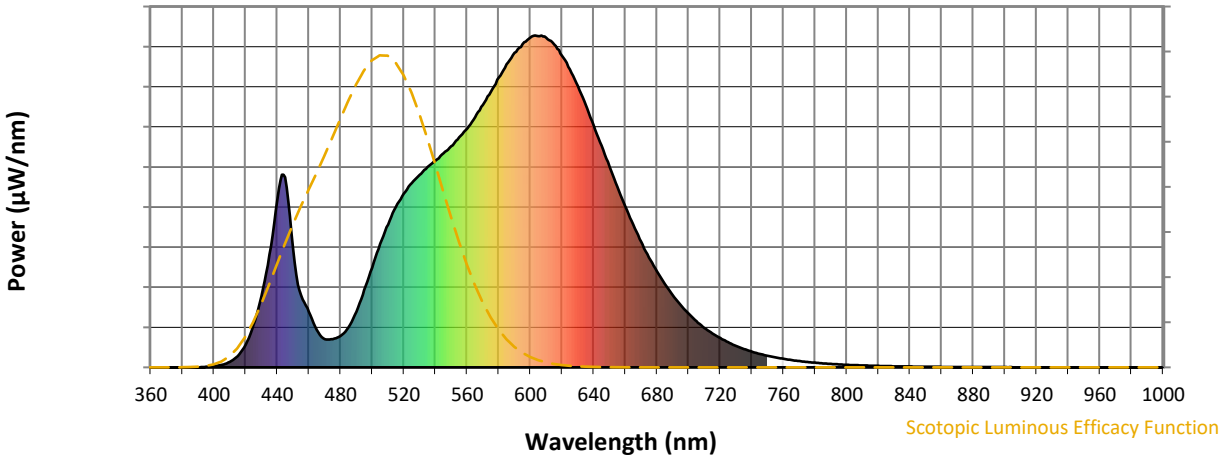
Scotopic Flux vs. Wavelength



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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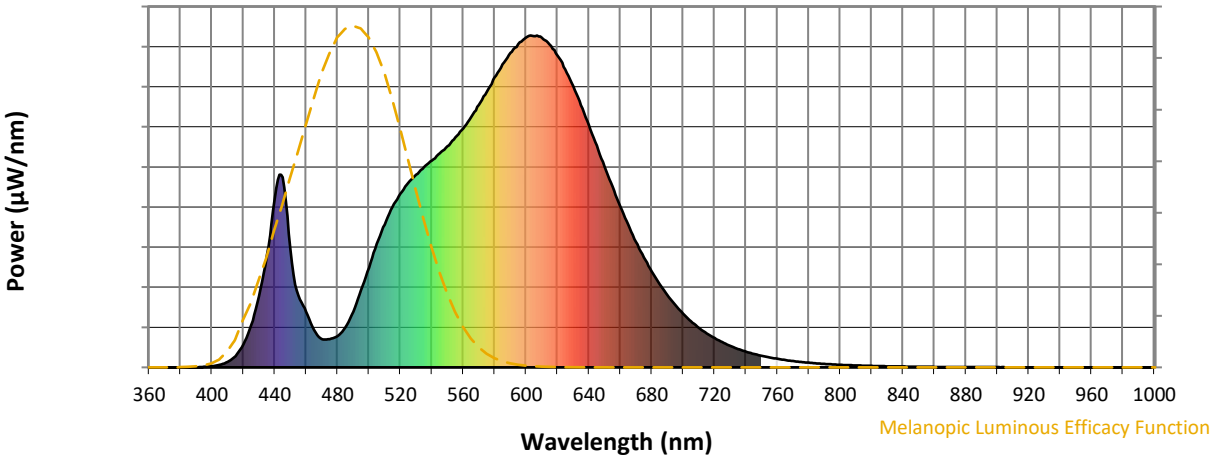
Melanopic Flux vs. Wavelength



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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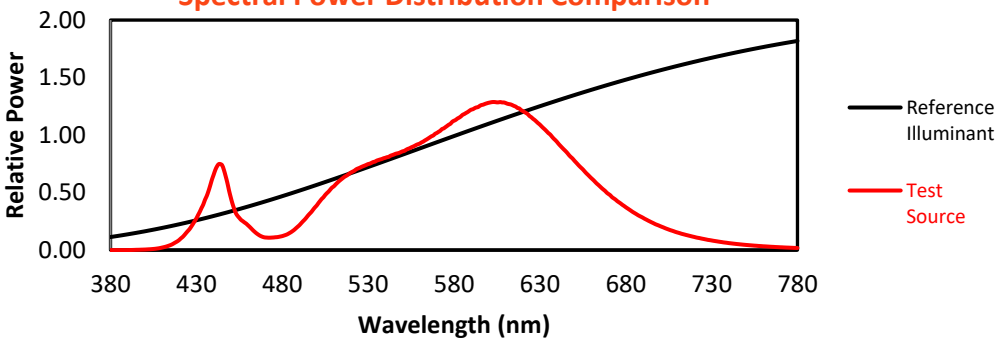
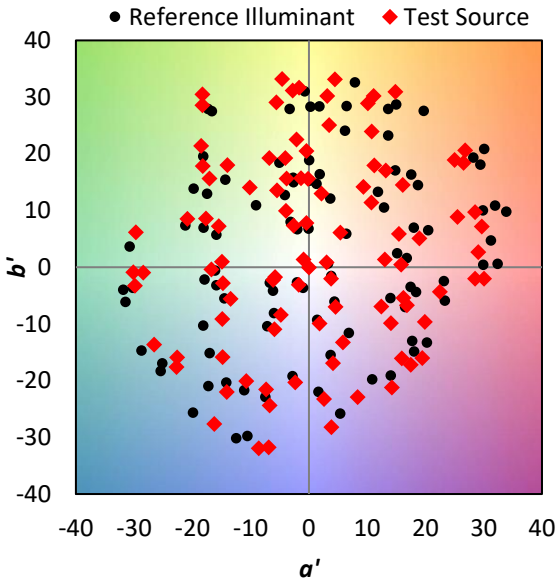
Summary

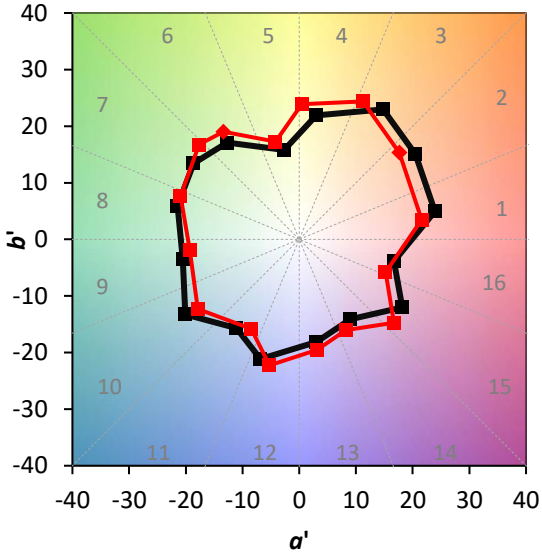
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

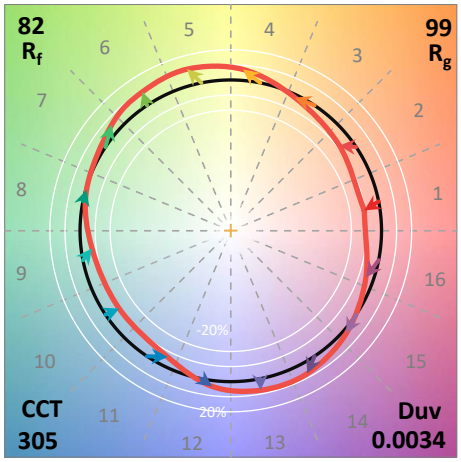
Spectral Power Distribution Comparison

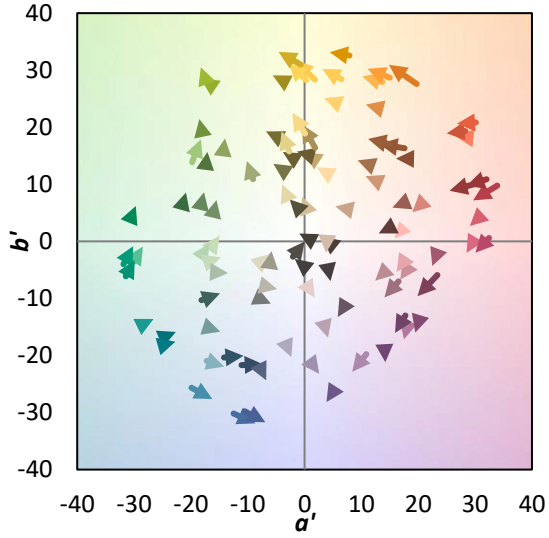


Color Vector Graphics









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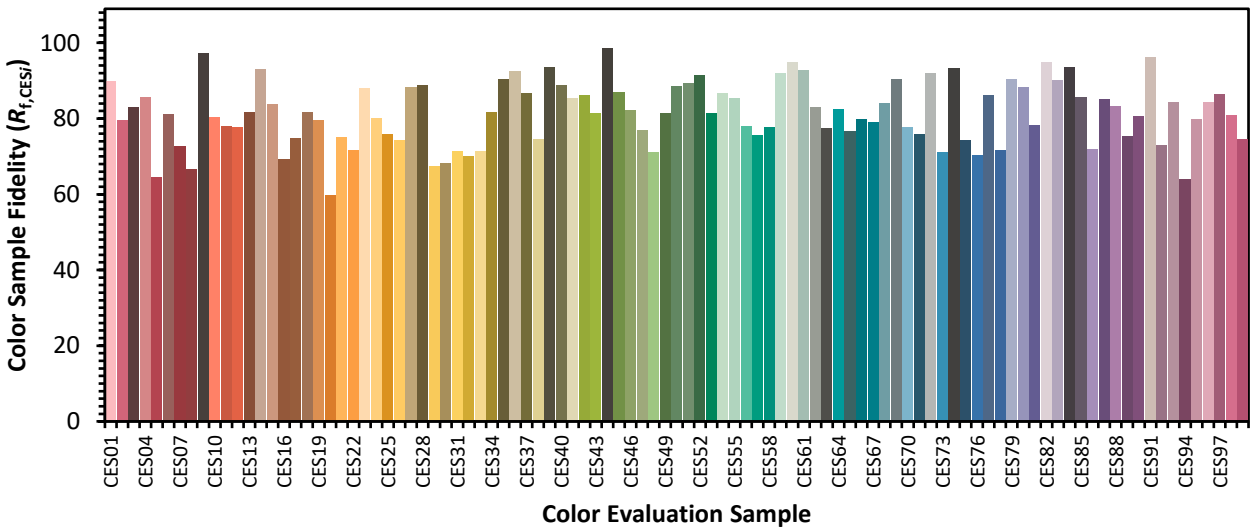
Individual Sample Fidelity Index ($R_{f,i}$)

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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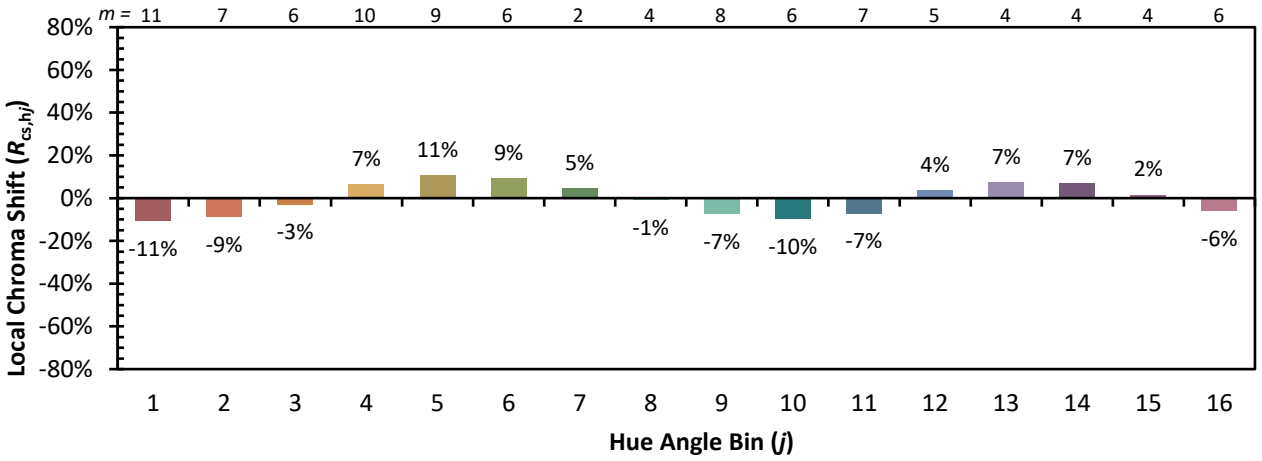
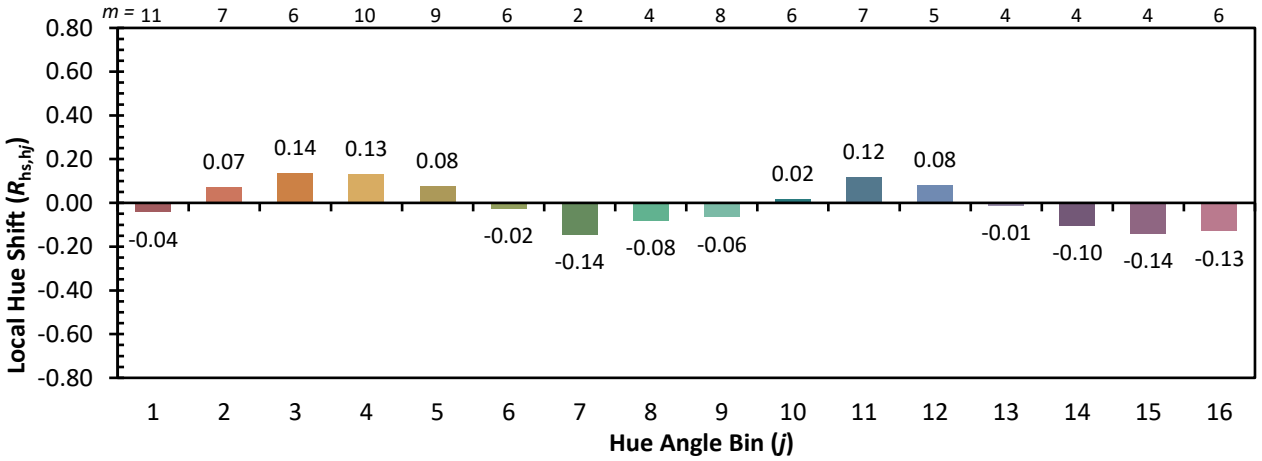
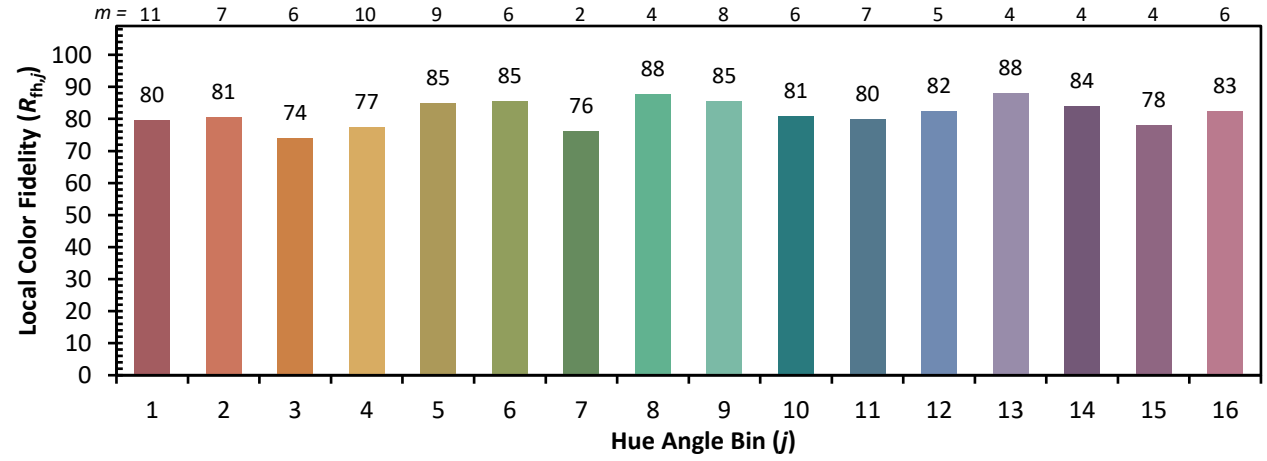
Color Rendition by Hue-Angle Bin







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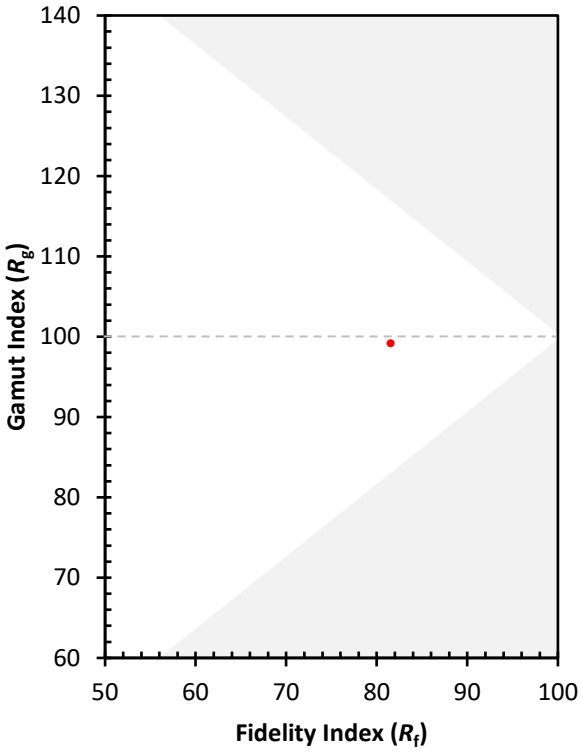
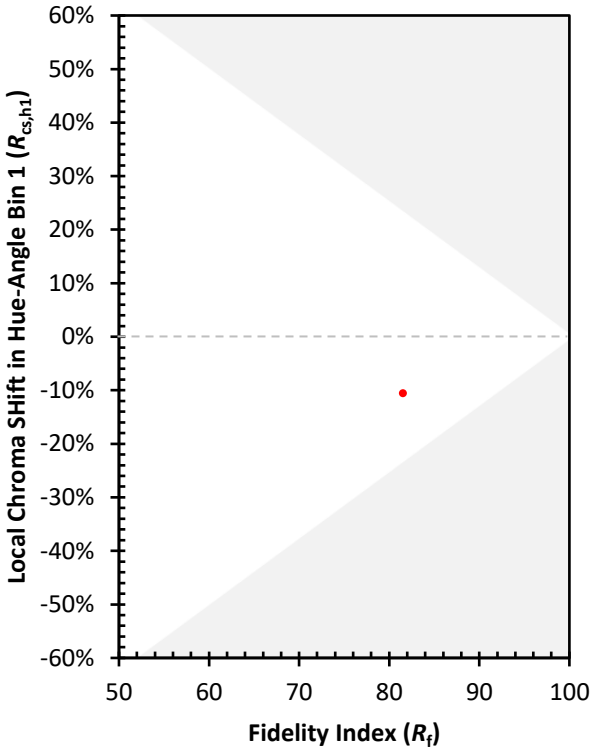
Measure Comparisons





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