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: P386964

Luminaire Tested: **GPC-SA2C-830-U-T4W-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:	P386964
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2C-830-U-T4W-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8503 lumens
Efficiency:	N/A
Efficacy:	76.6 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):	111
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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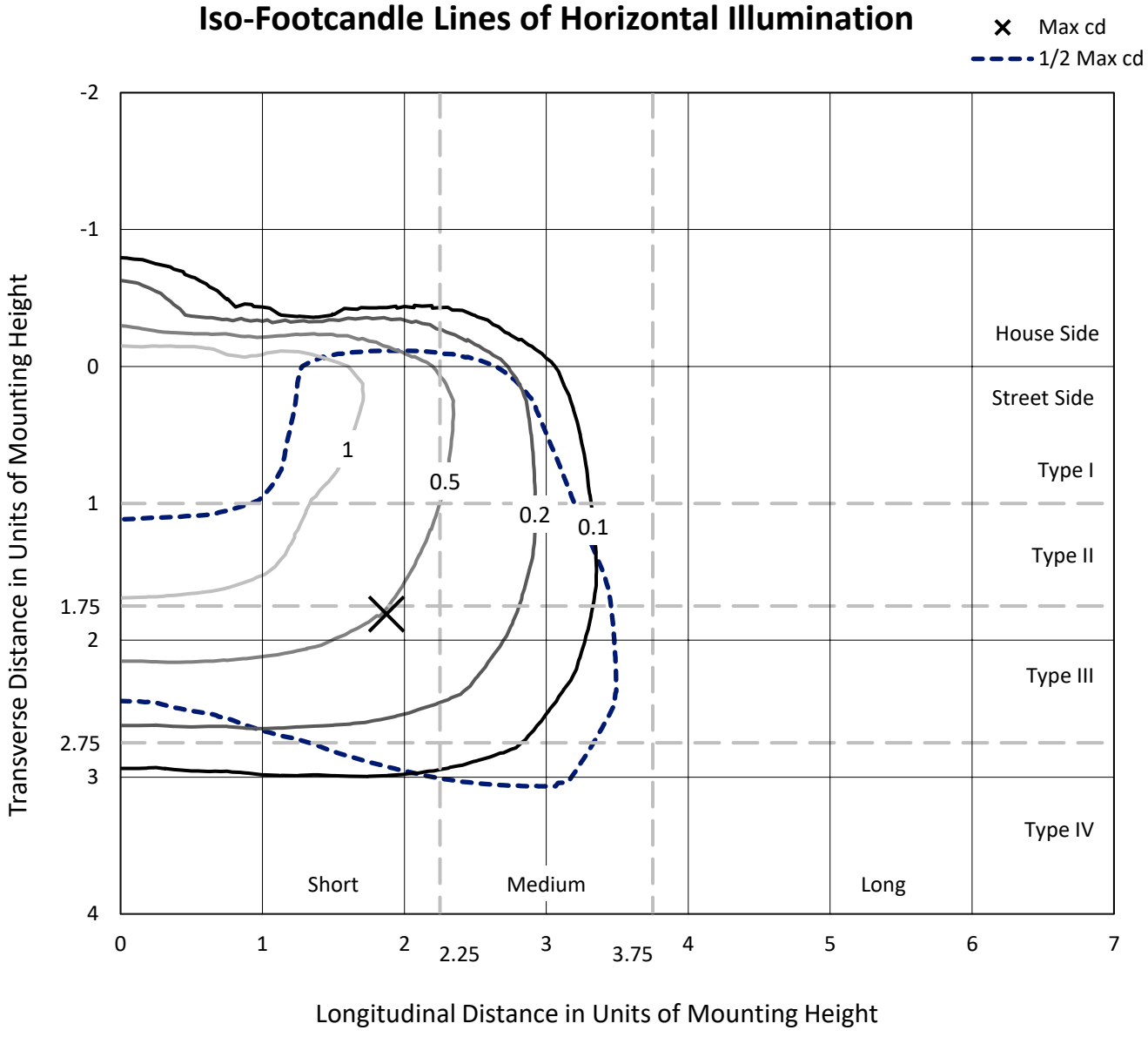
REPORT NUMBER: P386964
CATALOG NUMBER: GPC-SA2C-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type IV - Short - N/A

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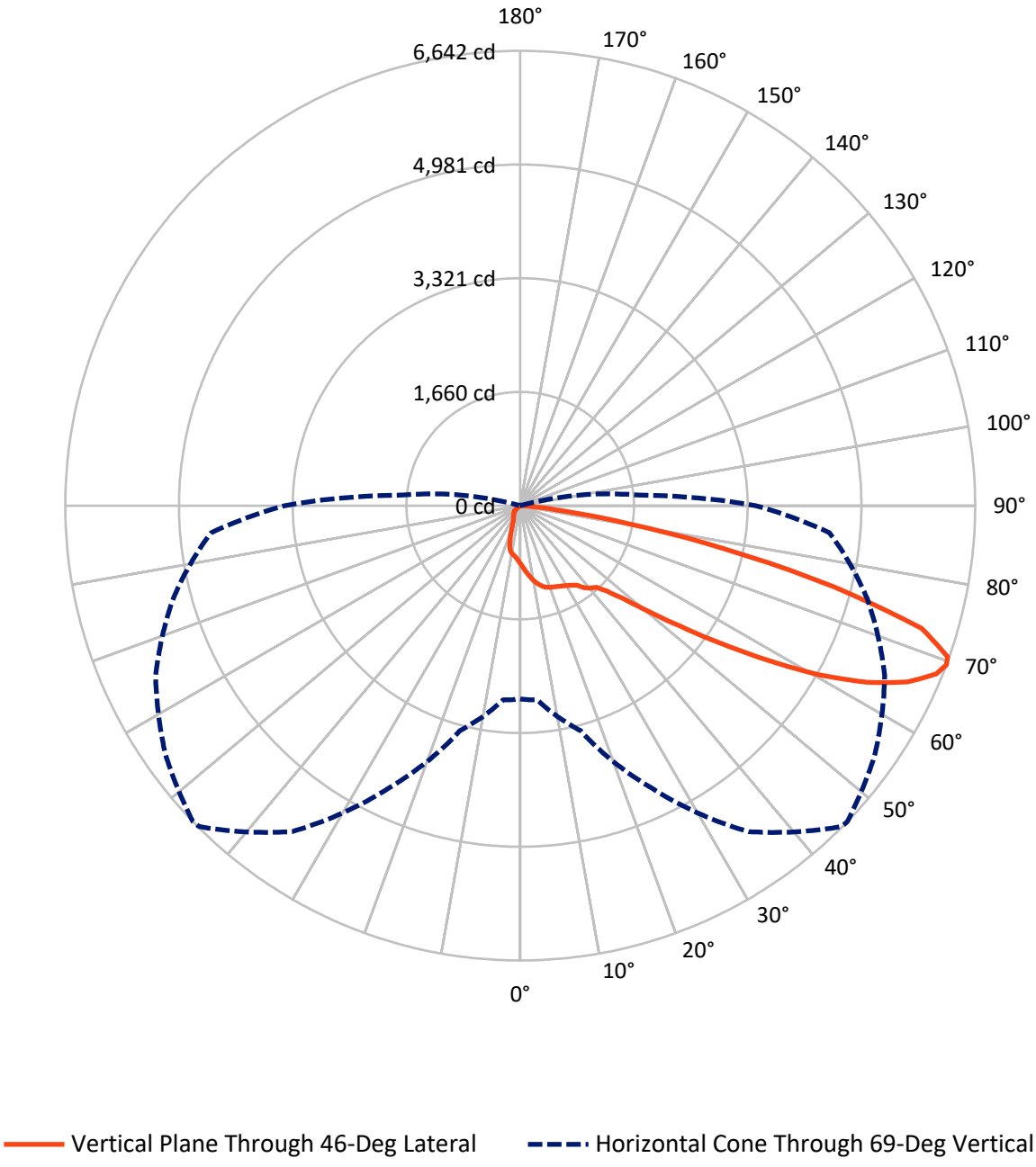
Luminous Intensity Polar Plot



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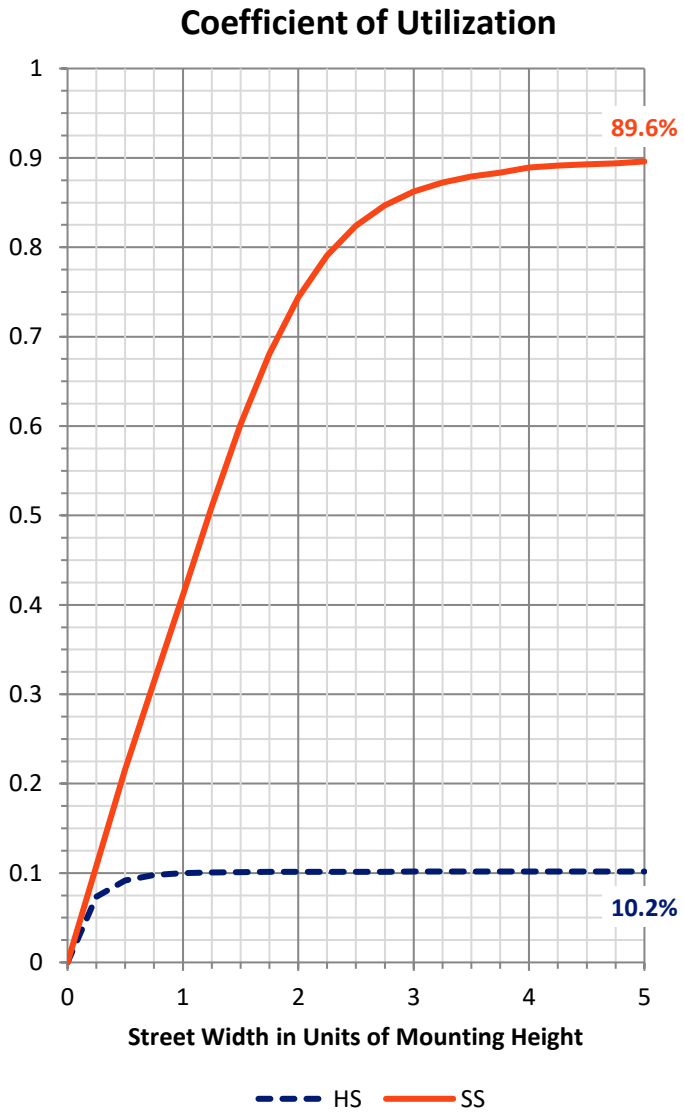
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	872.7	0.0	872.7
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	7630.4	0.0	7630.4
	% Fixture	89.7	0.0	89.7
Total	Lumens	8503.0	0.0	8503.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	1.0
10°-20°	257.3	3.0
20°-30°	404.6	4.8
30°-40°	580.2	6.8
40°-50°	1002.8	11.8
50°-60°	1981.1	23.3
60°-70°	2768.7	32.6
70°-80°	1337.6	15.7
80°-90°	86.0	1.0
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°	8503.0	100.0
0°-180°	8503.0	100.0



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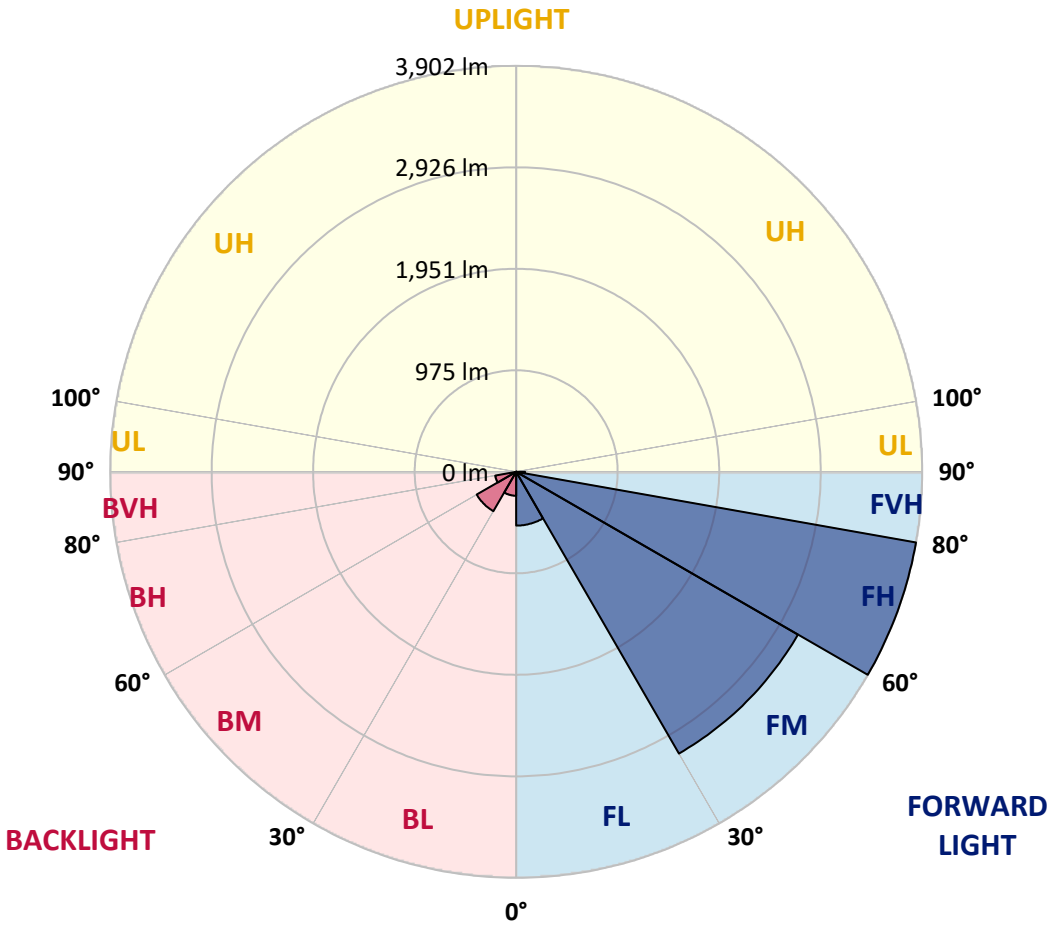
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	516.7	6.1			
FM	(30°-60°)	3126.7	36.8			
FH	(60°-80°)	3901.7	45.9			G2/5000
FVH	(80°-90°)	85.3	1.0			G1/100
BL	(0°-30°)	230.0	2.7	B1/500		
BM	(30°-60°)	437.3	5.1	B1/1000		
BH	(60°-80°)	204.6	2.4	B1/500		G1/500
BVH	(80°-90°)	0.7	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: P386964
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	852.0	852.0	852.0	852.0	852.0	852.0	*852.0*	852.0	852.0	852.0	852.0
2.5°	946.5	945.3	939.7	937.3	923.7	915.8	*912.6*	902.6	888.2	873.9	857.9
5°	1054.1	1053.7	1043.3	1033.4	1007.9	983.9	*979.5*	956.4	924.1	893.8	863.5
7.5°	1164.1	1158.9	1148.6	1129.4	1092.4	1054.1	*1050.5*	1017.8	972.0	928.1	884.7
10°	1257.4	1254.2	1240.7	1211.6	1168.1	1124.7	*1120.3*	1080.0	1028.2	974.4	918.9
12.5°	1330.0	1327.6	1309.6	1273.4	1227.1	1182.1	*1176.1*	1140.2	1084.8	1024.6	959.2
15°	1374.2	1373.0	1351.1	1312.4	1267.0	1227.9	*1222.7*	1191.2	1139.8	1076.8	1003.1
17.5°	1384.6	1385.0	1362.3	1323.2	1285.7	1257.8	*1253.8*	1229.9	1186.9	1124.3	1046.9
20°	1361.5	1366.3	1345.9	1312.0	1288.9	1274.2	*1271.0*	1256.6	1220.3	1161.3	1082.0
22.5°	1328.8	1331.2	1317.2	1294.5	1284.9	1287.7	*1286.1*	1278.2	1247.5	1193.2	1116.7
25°	1308.9	1308.9	1300.5	1281.3	1287.7	1304.9	*1305.3*	1303.7	1279.3	1232.3	1158.9
27.5°	1308.1	1305.7	1296.1	1281.7	1299.3	1325.6	*1327.2*	1338.0	1322.8	1279.7	1211.6
30°	1339.9	1337.2	1316.8	1298.1	1320.4	1348.7	*1352.7*	1376.2	1368.7	1331.2	1270.2
32.5°	1414.5	1404.5	1359.5	1328.8	1345.5	1379.4	*1384.6*	1422.1	1434.0	1394.6	1326.8
35°	1516.6	1485.1	1420.1	1387.0	1388.6	1424.1	*1428.9*	1483.9	1519.4	1452.8	1370.6
37.5°	1657.3	1641.7	1536.1	1447.6	1454.8	1508.6	*1522.5*	1582.3	1572.4	1484.7	1420.5
40°	1965.9	1941.5	1829.1	1617.4	1518.2	1577.2	*1581.5*	1613.4	1614.2	1556.8	1524.1
42.5°	2386.1	2376.1	2257.7	1925.6	1642.9	1623.0	*1631.0*	1684.8	1745.0	1709.1	1707.5
45°	2851.3	2846.1	2720.6	2334.6	1895.3	1773.3	*1783.3*	1855.4	1970.7	1978.6	2029.3
47.5°	3225.7	3223.3	3151.1	2791.1	2281.6	2028.1	*2031.2*	2107.8	2310.3	2410.4	2491.3
50°	3566.9	3578.5	3521.5	3285.1	2807.9	2427.1	*2419.6*	2470.6	2795.9	2959.8	3060.2
52.5°	4041.4	4057.7	3897.8	3746.0	3360.0	2922.3	*2916.3*	2969.7	3379.6	3502.4	3520.3
55°	4460.4	4432.5	4306.1	4262.2	4033.4	3533.9	*3532.3*	3579.3	3944.1	3996.3	4029.4
57.5°	4645.4	4634.6	4695.6	4796.1	4738.7	4256.7	*4253.1*	4217.2	4449.2	4454.8	4556.5
60°	4762.2	4775.3	4962.3	5272.1	5415.2	5034.5	*5011.3*	4792.5	4931.6	4919.3	5028.1
62.5°	4674.5	4700.4	5036.9	5553.1	5921.5	5713.4	*5680.7*	5319.5	5343.8	5301.2	5402.4
65°	4208.8	4249.1	4800.4	5500.1	6172.7	6244.1	*6211.0*	5784.8	5671.2	5601.0	5544.8
67.5°	3417.4	3441.4	4017.1	5038.9	6059.5	6560.6	*6553.8*	6192.6	5918.3	5550.4	5114.2
69°	*2824.2*	*2847.7*	*3401.9*	*4553.3*	*5810.3*	*6628.4*	*6641.5*	*6323.4*	*5871.3*	*5242.6*	*4531.3*
70°	2392.1	2417.2	2933.5	4137.1	5521.3	6596.9	*6620.4*	6311.0	5736.5	4886.2	4019.8
72.5°	1254.6	1276.2	1806.0	2850.1	4501.0	6057.5	*6128.8*	5777.6	4862.6	3548.6	2376.9
75°	394.3	406.6	705.3	1489.8	3081.8	4709.9	*4726.3*	4532.1	3452.9	1951.9	989.9
77.5°	150.3	146.7	234.8	549.0	1558.0	2965.7	*3065.8*	2832.2	1812.0	690.1	228.4
80°	80.9	81.3	122.0	227.2	666.6	1524.1	*1608.7*	1372.6	643.9	215.3	52.6
82.5°	35.1	36.7	68.6	120.4	306.2	562.1	*604.4*	503.1	246.0	144.7	19.5
85°	7.6	8.4	33.1	65.4	124.8	157.9	*165.5*	163.1	156.7	112.4	7.6
87.5°	0.0	0.0	14.8	23.5	31.5	35.9	*31.5*	41.1	86.5	75.7	4.0
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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REPORT NUMBER: P386964
CATALOG NUMBER: GPC-SA2C-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0
2.5°	852.8	845.6	833.2	819.7	810.1	800.1	792.2	788.6	784.6	781.8	785.4
5°	851.2	837.2	813.3	790.2	773.4	759.9	748.7	744.3	739.9	736.8	736.4
7.5°	865.1	845.6	808.9	775.0	749.1	730.8	715.6	709.2	704.1	701.7	699.7
10°	891.8	866.7	817.7	773.4	739.9	708.8	676.2	651.0	634.7	627.1	624.3
12.5°	926.5	895.0	834.4	781.8	733.2	673.4	604.0	544.2	505.5	492.8	485.2
15°	967.2	928.1	856.4	792.6	708.4	599.2	481.6	403.5	367.6	360.4	352.4
17.5°	1006.3	963.2	882.7	794.6	654.2	478.8	352.8	299.8	285.9	290.6	291.8
20°	1040.5	997.9	908.6	777.0	555.8	359.2	273.1	259.9	265.1	274.3	275.9
22.5°	1075.2	1031.4	932.5	730.8	429.8	272.7	246.0	249.2	254.4	263.5	265.1
25°	1117.5	1072.0	954.8	645.9	322.5	232.0	233.6	238.4	243.6	252.0	252.8
27.5°	1166.1	1123.5	969.6	535.4	239.2	213.3	218.5	225.7	230.8	238.8	240.4
30°	1230.7	1191.2	974.4	421.0	200.5	196.5	198.9	207.7	215.3	222.5	223.7
32.5°	1291.3	1258.2	958.4	317.7	185.8	181.0	181.0	186.2	195.0	201.7	203.3
35°	1347.1	1325.6	907.4	232.4	174.6	166.6	162.7	162.7	168.2	173.8	175.4
37.5°	1420.9	1420.1	824.9	185.4	163.9	154.7	146.3	139.9	137.9	139.1	139.9
40°	1547.3	1548.5	717.2	166.2	154.7	142.3	129.6	118.0	107.2	103.7	103.3
42.5°	1744.6	1726.7	604.4	157.1	146.7	129.6	110.4	94.9	78.1	73.0	72.6
45°	2058.0	1951.5	484.8	148.7	138.3	115.2	91.3	70.2	56.6	52.6	52.6
47.5°	2514.4	2246.9	375.6	139.5	127.2	98.9	69.0	50.6	41.5	39.5	39.9
50°	2986.5	2536.4	287.8	128.0	113.6	81.7	51.0	36.7	31.5	31.5	31.9
52.5°	3405.1	2748.5	224.5	115.6	96.9	64.2	38.7	28.7	26.3	25.9	26.3
55°	3797.0	2885.2	171.8	101.3	76.9	47.8	29.5	23.5	21.9	21.1	20.7
57.5°	4174.9	2953.0	128.8	81.7	55.8	34.7	23.5	19.9	18.3	17.1	16.7
60°	4426.5	2898.0	88.5	60.2	38.7	25.1	19.5	17.1	15.1	14.0	13.6
62.5°	4568.4	2747.7	57.0	43.5	27.5	18.7	15.5	14.4	11.6	10.4	10.4
65°	4511.0	2499.7	39.9	31.1	19.9	14.0	11.6	11.6	8.4	6.8	6.4
67.5°	3997.5	2111.8	30.3	23.1	14.4	10.4	8.8	10.0	5.2	3.2	3.2
69°	*3439.4*	*1750.2*	*25.9*	*19.1*	*12.0*	*8.4*	*7.6*	*9.2*	*3.6*	*2.4*	*2.0*
70°	2989.3	1509.8	23.5	16.7	10.0	7.2	6.8	8.8	3.6	2.0	1.6
72.5°	1788.5	842.0	17.9	12.0	6.4	5.6	5.6	10.0	3.6	2.0	1.6
75°	722.8	296.6	13.2	8.4	4.8	4.8	6.8	12.8	3.2	1.6	1.2
77.5°	163.9	65.0	7.6	5.2	3.2	4.8	8.0	10.0	2.0	0.8	0.0
80°	39.9	15.9	4.8	3.2	2.0	3.6	6.0	5.6	0.4	0.0	0.0
82.5°	13.2	5.6	2.0	1.6	0.4	1.2	2.8	1.6	0.0	0.0	0.0
85°	5.6	3.2	0.8	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0
87.5°	3.6	1.2	0.0	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

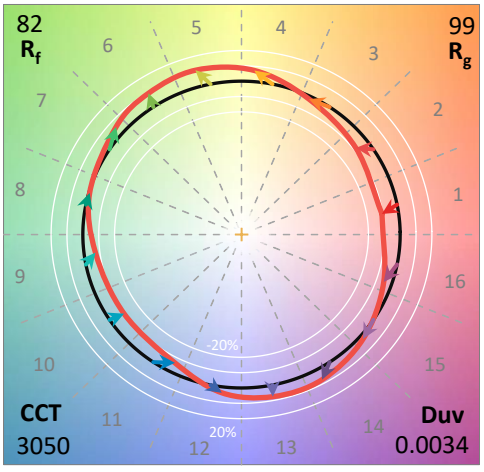
Test Information

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

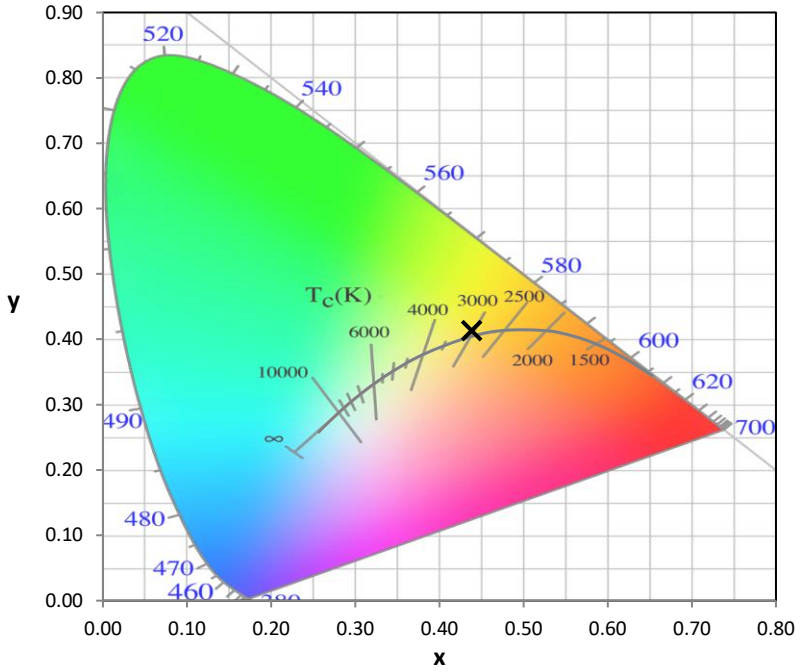
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

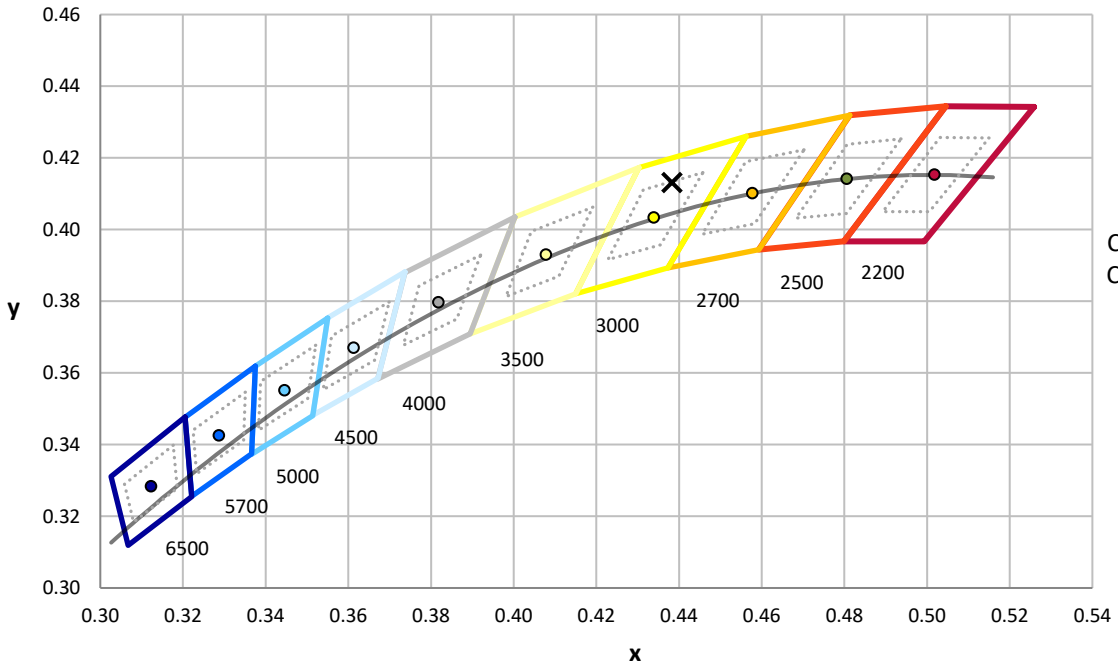
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

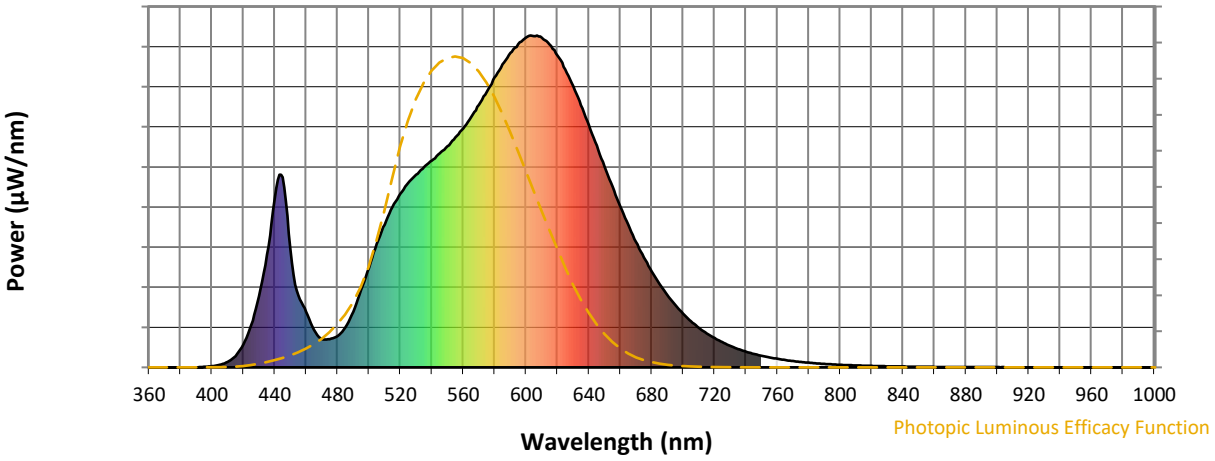


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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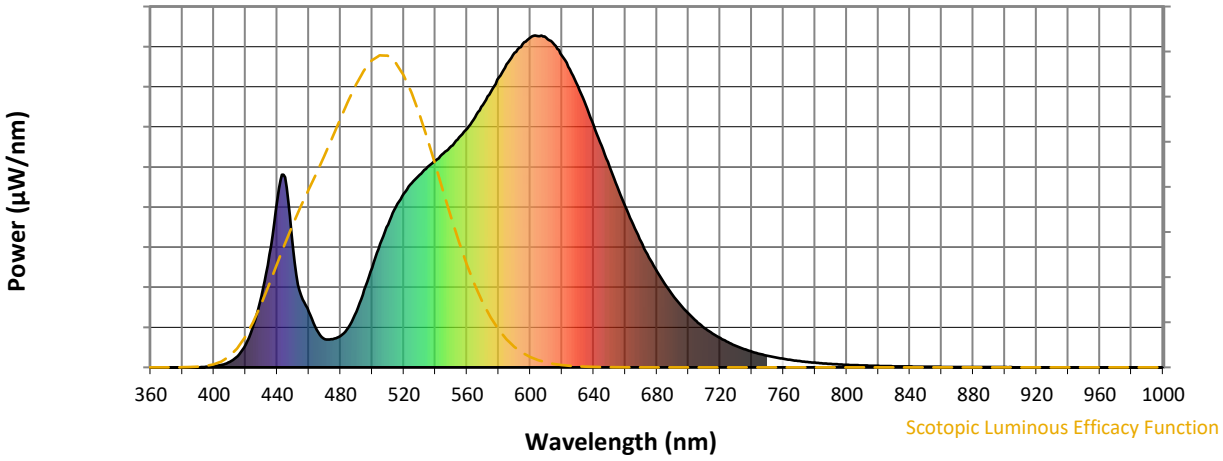
Scotopic Flux vs. Wavelength



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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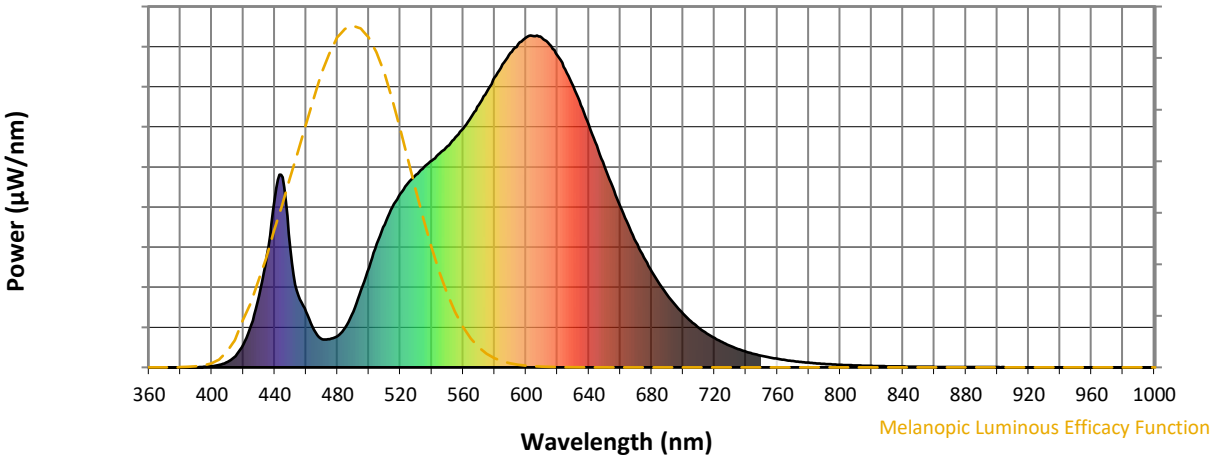
Melanopic Flux vs. Wavelength



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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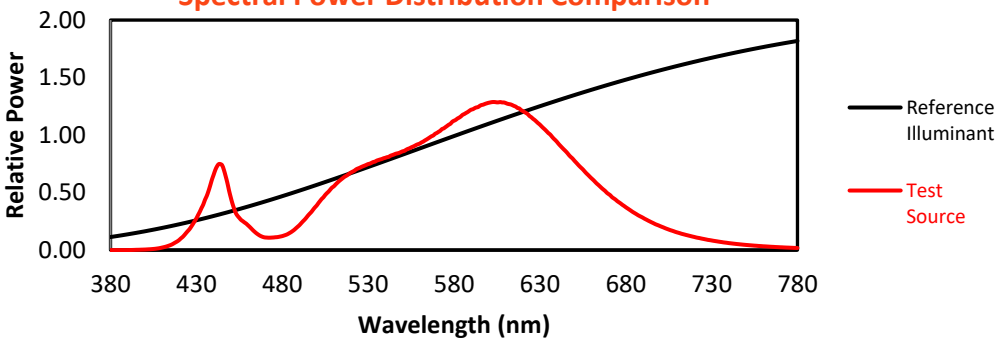
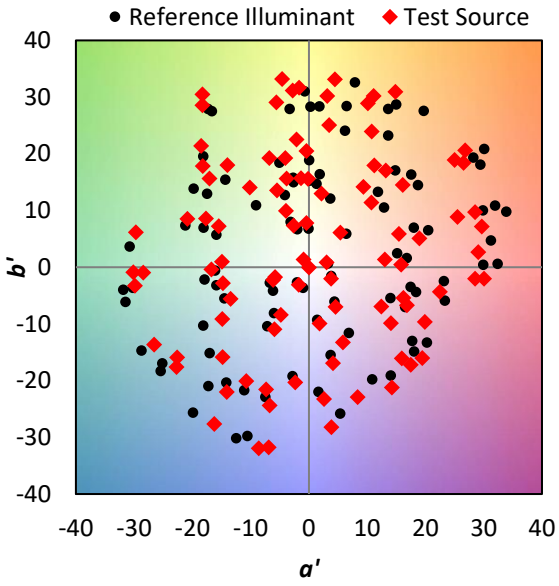
Summary

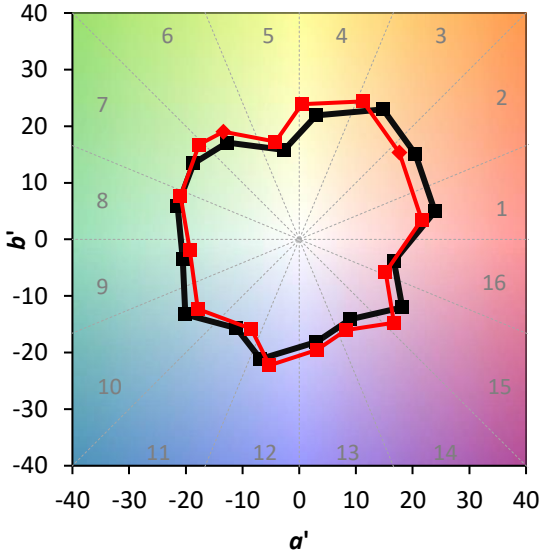
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

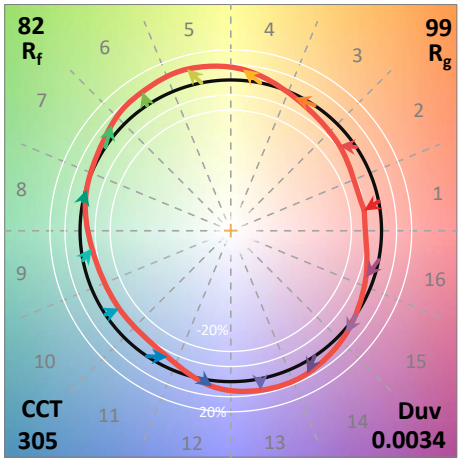
Spectral Power Distribution Comparison

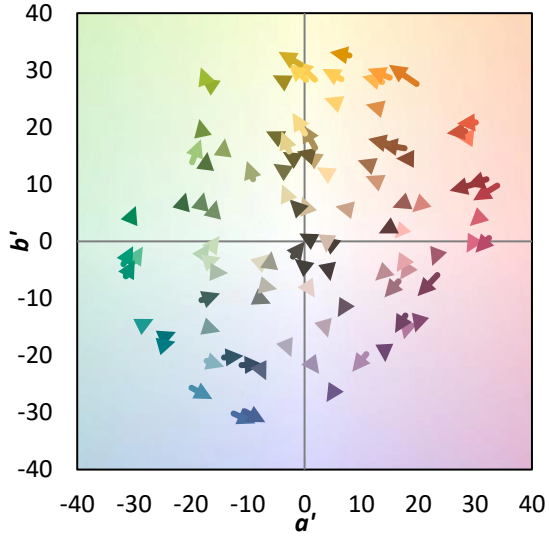


Color Vector Graphics









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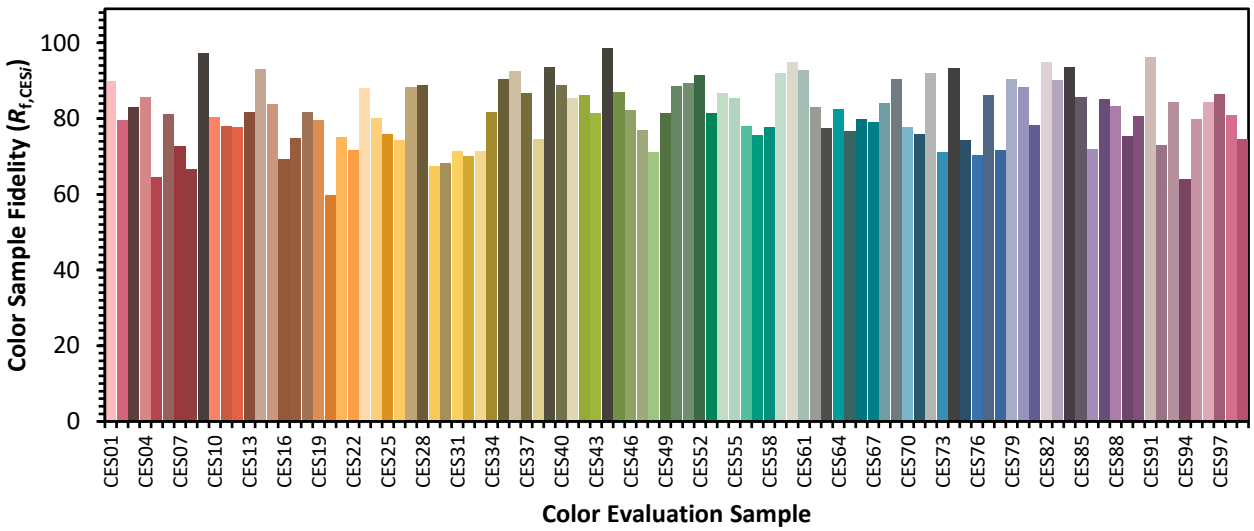
Individual Sample Fidelity Index ($R_{f,i}$)

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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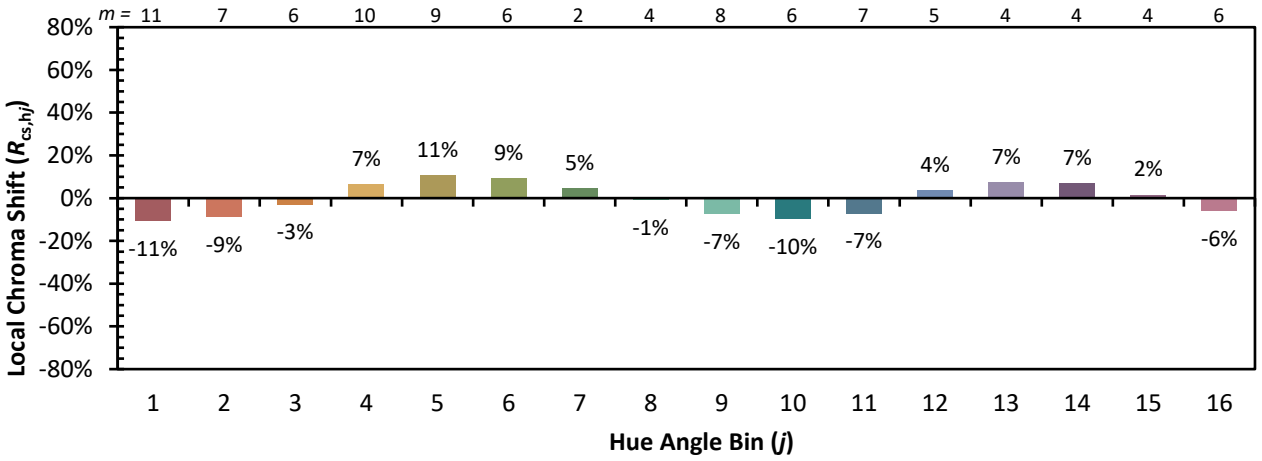
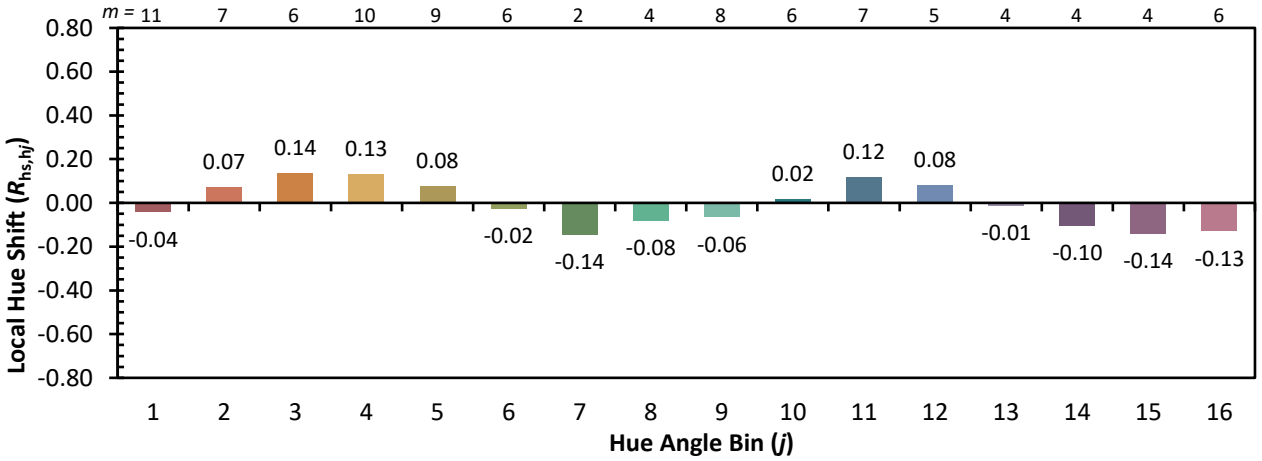
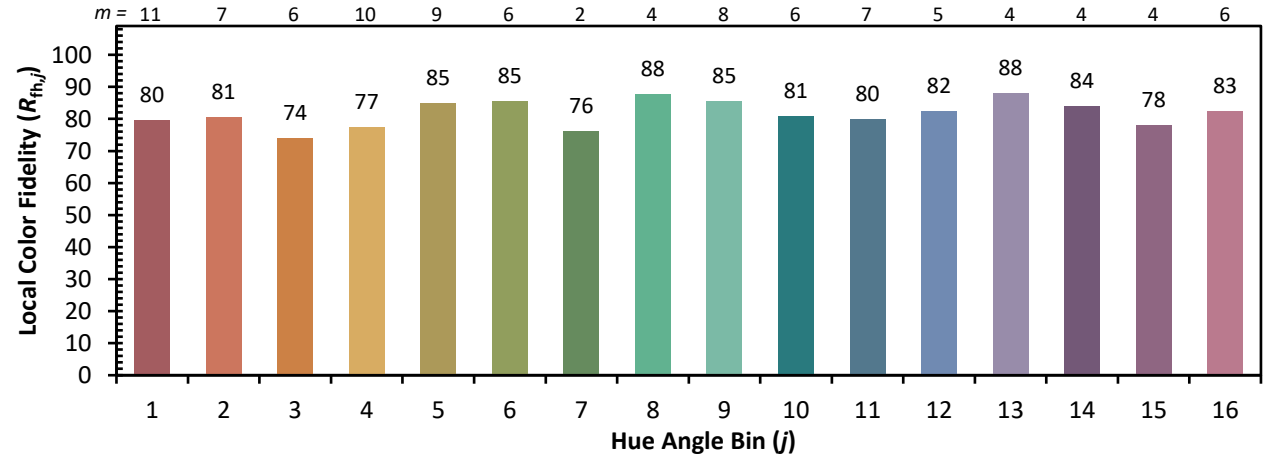
Color Rendition by Hue-Angle Bin







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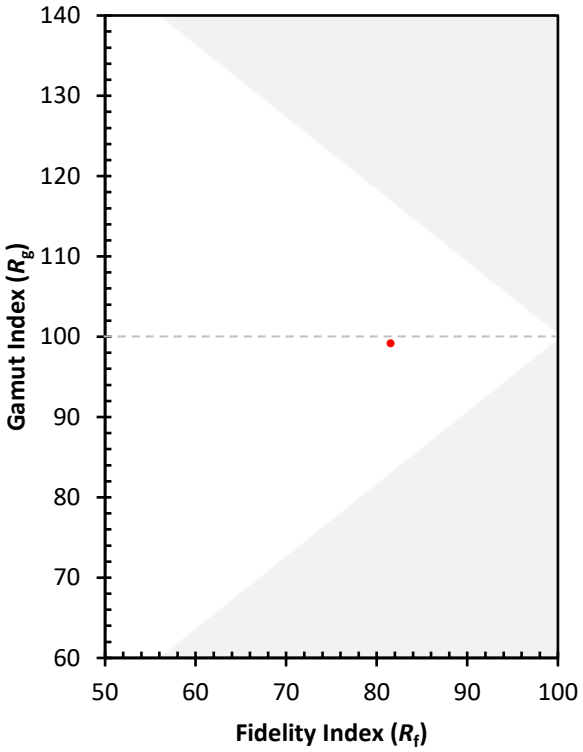
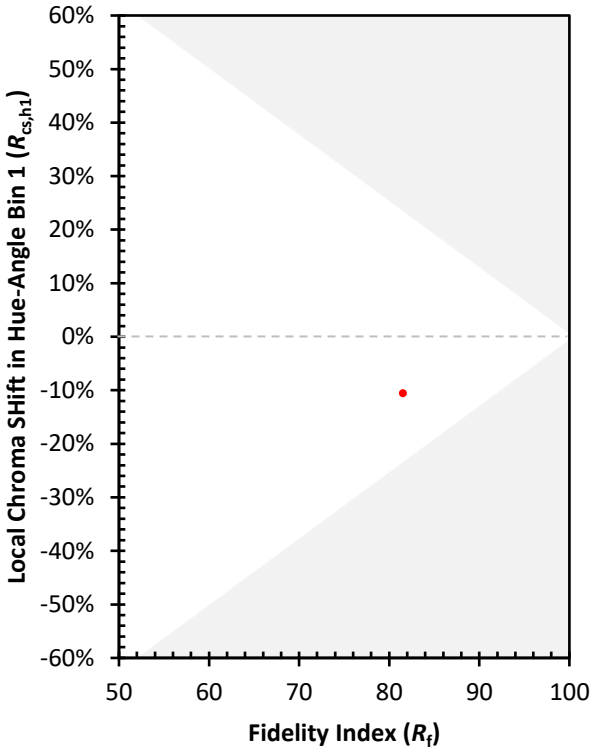
Measure Comparisons





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