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: P386724

Luminaire Tested: **GPC-SA2B-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:	P386724
	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-SA2B-830-U-SL4-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 800mA 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:	7692 lumens
Efficiency:	N/A
Efficacy:	90.5 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):	85
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: P386724
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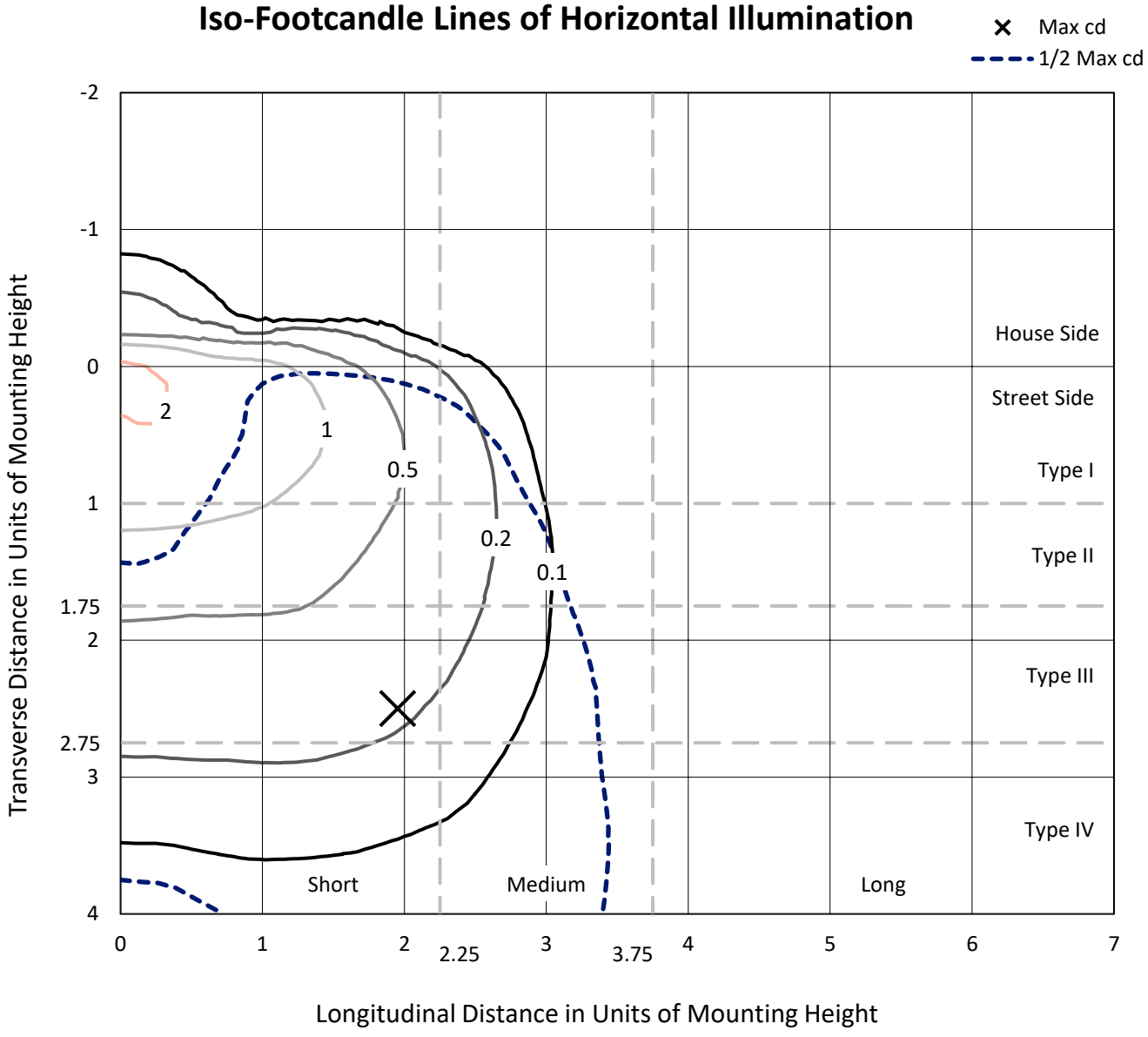
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - N/A

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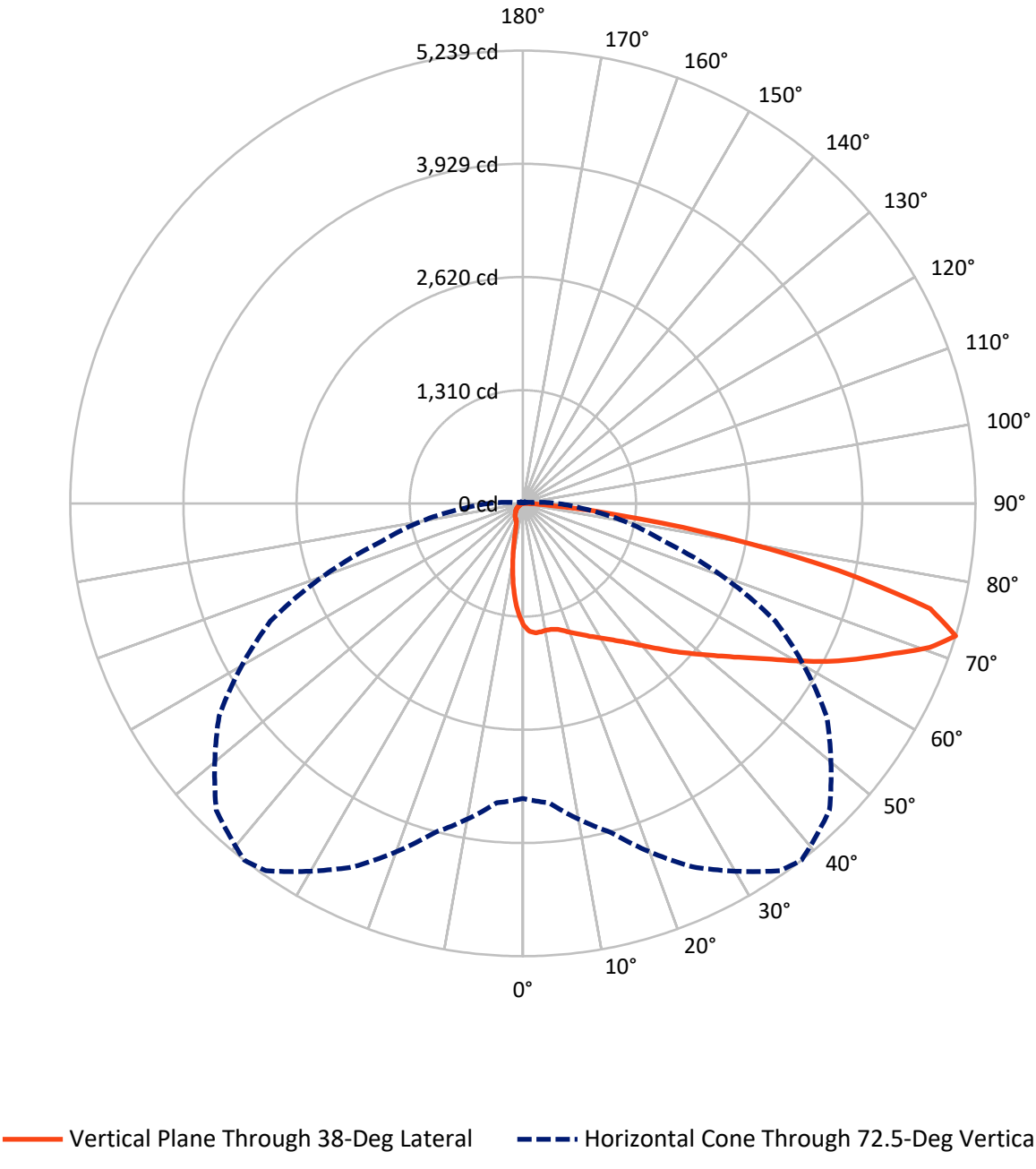
Luminous Intensity Polar Plot



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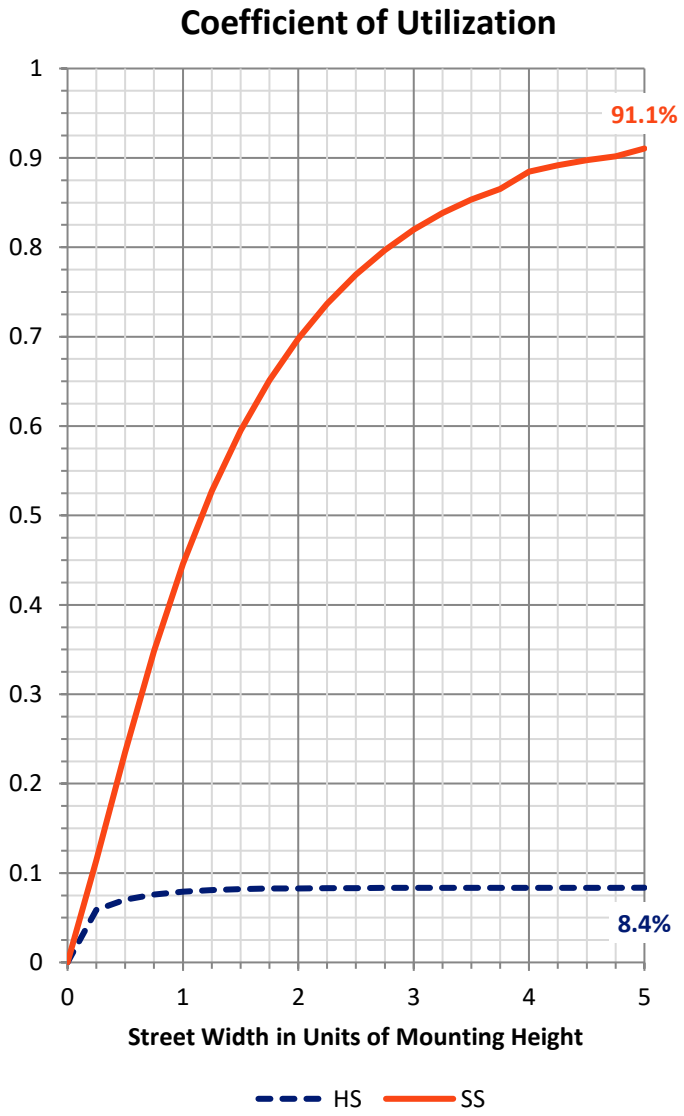
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	647.3	0.0	647.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	7044.7	0.0	7044.7
	% Fixture	91.6	0.0	91.6
Total	Lumens	7692.0	0.0	7692.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	1.6
10°-20°	294.8	3.8
20°-30°	468.8	6.1
30°-40°	704.8	9.2
40°-50°	1075.2	14.0
50°-60°	1519.7	19.8
60°-70°	1906.2	24.8
70°-80°	1425.3	18.5
80°-90°	176.7	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°	7692.0	100.0
0°-180°	7692.0	100.0



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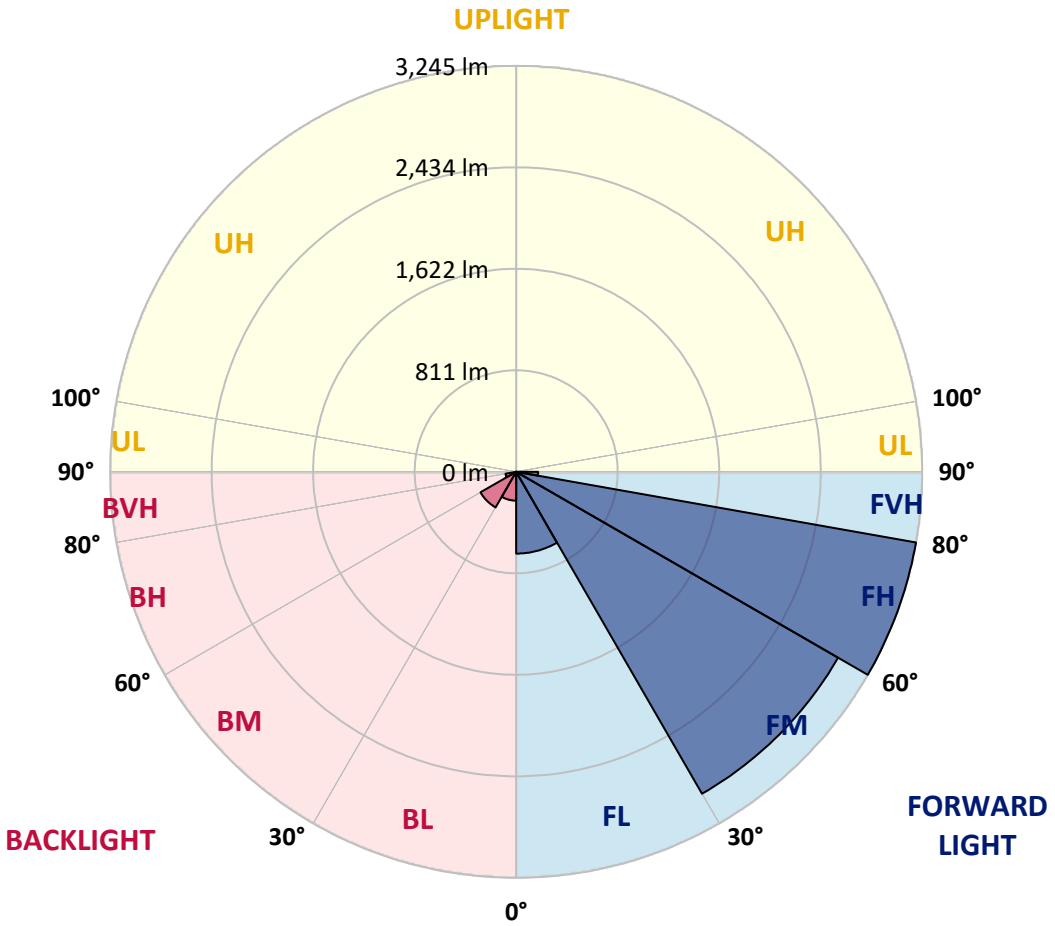
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	653.6	8.5			
FM	(30°-60°)	2971.0	38.6			
FH	(60°-80°)	3245.0	42.2			G2/5000
FVH	(80°-90°)	175.1	2.3			G2/225
BL	(0°-30°)	230.5	3.0	B1/500		
BM	(30°-60°)	328.7	4.3	B1/1000		
BH	(60°-80°)	86.5	1.1	B0/110		G0/110
BVH	(80°-90°)	1.6	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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REPORT NUMBER: P386724
CATALOG NUMBER: GPC-SA2B-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5
2.5°	1501.4	1501.7	1498.2	1492.5	1485.1	1481.3	1474.9	1464.7	1453.8	1434.3	1413.3
5°	1532.1	1532.1	1527.6	1520.0	1508.1	1504.6	1492.5	1476.2	1453.8	1422.2	1386.7
7.5°	1528.9	1529.5	1523.5	1515.5	1503.7	1500.5	1485.8	1467.6	1439.8	1401.4	1356.1
10°	1512.3	1513.9	1509.1	1505.3	1494.4	1490.9	1477.1	1458.9	1431.1	1390.3	1338.2
12.5°	1495.4	1497.0	1498.5	1502.1	1495.4	1494.1	1483.2	1467.9	1441.4	1398.9	1340.1
15°	1484.5	1487.7	1499.2	1512.9	1514.5	1513.2	1506.2	1491.8	1465.0	1420.9	1353.8
17.5°	1484.5	1489.6	1513.6	1539.8	1549.0	1550.0	1543.9	1523.8	1491.8	1444.6	1366.6
20°	1497.0	1504.0	1541.4	1578.4	1593.7	1593.7	1581.9	1553.8	1516.4	1466.0	1375.2
22.5°	1528.9	1538.2	1585.1	1627.9	1644.2	1640.7	1624.7	1583.8	1542.0	1490.2	1386.1
25°	1591.8	1598.9	1647.7	1690.9	1700.8	1692.8	1672.7	1620.3	1574.6	1523.1	1405.9
27.5°	1673.0	1673.9	1724.4	1760.8	1754.7	1749.3	1724.1	1665.9	1621.5	1570.1	1440.1
30°	1762.1	1762.1	1806.5	1834.3	1815.8	1811.3	1786.1	1721.2	1681.6	1634.0	1488.6
32.5°	1848.3	1852.2	1888.3	1905.9	1885.1	1880.6	1856.0	1791.2	1761.5	1731.4	1564.4
35°	1931.7	1934.6	1968.8	1978.4	1958.6	1959.8	1942.3	1887.3	1876.1	1872.3	1678.4
37.5°	2012.5	2013.2	2048.0	2054.1	2044.2	2055.0	2056.6	2008.1	2028.8	2059.8	1839.1
40°	2086.3	2087.0	2121.5	2137.1	2154.1	2168.1	2180.6	2154.7	2223.4	2295.3	2030.4
42.5°	2145.4	2152.1	2195.9	2225.6	2270.3	2297.2	2331.0	2329.8	2455.0	2563.0	2261.7
45°	2197.5	2209.0	2270.0	2322.1	2398.8	2441.6	2494.6	2536.1	2715.7	2861.0	2495.9
47.5°	2266.2	2277.1	2346.7	2432.0	2534.2	2590.4	2678.3	2768.1	3002.2	3153.6	2724.6
50°	2363.0	2358.2	2426.9	2549.2	2680.5	2754.3	2879.5	3014.0	3286.5	3408.6	2859.1
52.5°	2466.2	2464.3	2515.0	2676.7	2853.0	2939.3	3104.8	3268.3	3558.4	3584.3	2920.7
55°	2594.0	2580.2	2623.0	2822.0	3057.8	3150.4	3345.3	3520.0	3775.0	3683.3	2951.7
57.5°	2727.8	2705.1	2746.0	2984.0	3288.8	3398.3	3611.7	3765.4	3919.0	3751.0	2951.4
60°	2866.1	2839.3	2887.8	3186.5	3575.6	3702.4	3900.5	3931.2	4053.5	3785.2	2929.7
62.5°	2981.8	2965.8	3038.0	3403.1	3896.0	4020.6	4118.7	4082.0	4166.9	3811.7	2878.9
65°	3104.1	3105.1	3221.7	3655.8	4236.6	4320.6	4328.9	4277.5	4261.8	3806.3	2707.0
67.5°	3269.6	3284.9	3479.5	3998.9	4567.8	4632.7	4632.1	4489.3	4331.1	3590.3	2325.9
70°	3444.7	3480.7	3776.6	4391.5	4929.5	4995.3	4961.4	4624.1	4078.1	2903.2	1646.1
72.5°	3415.3	3477.9	3941.7	4639.1	5189.2	5239.3	5019.2	4292.8	3223.3	1687.3	700.9
75°	2634.8	2707.4	3614.3	4393.7	4916.7	4871.6	4312.6	3340.5	1761.5	470.9	157.8
77.5°	1391.9	1430.5	2387.6	3347.2	3833.7	3739.5	3038.0	1853.1	537.0	116.6	70.9
80°	729.0	737.9	1040.5	1899.1	2366.2	2366.8	1800.4	814.0	221.4	59.7	47.6
82.5°	390.4	398.0	549.8	877.5	1239.8	1123.8	689.4	447.9	128.7	33.9	45.7
85°	93.9	95.5	311.8	400.9	487.5	348.2	204.8	376.0	34.8	19.8	37.1
87.5°	36.1	36.7	115.6	173.5	124.3	80.5	95.8	140.2	4.5	7.7	5.8
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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REPORT NUMBER: P386724
CATALOG NUMBER: GPC-SA2B-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5
2.5°	1400.5	1392.2	1371.7	1345.9	1322.9	1306.2	1281.3	1265.0	1254.2	1253.8	1249.7
5°	1365.0	1348.1	1304.0	1251.6	1204.0	1161.2	1110.7	1070.8	1041.1	1036.3	1026.1
7.5°	1327.0	1299.2	1231.5	1149.7	1069.8	988.7	894.5	836.0	785.9	761.9	759.3
10°	1303.7	1264.7	1168.6	1050.4	925.1	793.2	669.9	584.6	522.9	505.4	492.3
12.5°	1298.9	1247.5	1120.0	957.1	778.2	603.8	467.4	376.6	327.4	311.8	307.6
15°	1303.7	1239.5	1079.1	864.8	629.3	428.4	313.7	261.0	242.5	238.0	237.7
17.5°	1306.6	1229.9	1032.8	762.2	484.9	306.0	240.2	224.9	222.0	221.7	222.3
20°	1306.2	1215.2	977.5	647.8	360.7	240.5	217.2	214.0	213.4	213.7	213.4
22.5°	1304.0	1197.9	916.8	530.0	272.5	215.0	207.3	205.4	205.1	205.1	205.1
25°	1308.2	1184.2	850.1	417.2	224.6	203.2	198.4	196.8	196.5	196.5	195.8
27.5°	1323.2	1176.5	776.9	321.0	202.9	192.6	188.8	188.5	187.5	187.2	187.8
30°	1347.4	1176.5	696.7	249.8	189.8	181.8	178.9	178.3	177.9	177.6	177.9
32.5°	1390.3	1185.5	609.2	207.6	177.3	169.6	167.7	168.7	167.7	167.7	167.7
35°	1467.6	1212.3	517.5	181.1	164.2	157.8	155.9	157.2	156.5	156.5	156.2
37.5°	1580.3	1262.2	425.2	165.2	152.7	146.0	143.4	145.4	144.7	144.7	144.4
40°	1717.7	1334.7	337.3	153.0	141.5	134.5	132.3	133.2	131.6	131.6	132.3
42.5°	1887.3	1426.7	260.7	141.2	130.3	123.6	122.4	121.4	118.5	116.9	117.2
45°	2075.8	1522.5	203.2	129.7	119.8	114.4	112.4	109.9	105.1	101.9	102.2
47.5°	2244.2	1596.3	165.2	118.5	110.2	106.1	103.2	98.4	91.4	87.5	87.8
50°	2332.6	1607.5	140.6	107.3	101.3	97.1	93.0	85.6	77.3	73.2	72.8
52.5°	2355.3	1555.1	122.4	97.1	92.3	87.5	82.1	72.2	62.9	58.5	57.8
55°	2363.6	1475.2	106.1	87.5	82.7	77.3	70.3	59.1	50.5	46.0	45.7
57.5°	2336.2	1356.1	93.3	78.9	73.2	66.4	57.8	47.3	39.0	35.5	35.5
60°	2275.1	1194.8	83.4	69.6	63.3	55.6	46.6	36.7	29.1	26.2	26.2
62.5°	2153.4	985.8	74.1	60.1	54.0	46.0	37.7	27.8	20.4	18.8	19.2
65°	1923.7	747.8	64.8	51.4	46.0	38.0	29.4	19.8	13.7	13.7	14.4
67.5°	1568.8	519.4	55.3	43.8	39.6	31.0	22.4	13.7	9.6	10.9	12.1
70°	1038.5	291.3	47.3	36.1	33.9	24.6	16.6	9.3	7.7	10.2	12.5
72.5°	*392.0*	*113.4*	*39.6*	*29.1*	*29.4*	*18.8*	*11.8*	*7.0*	*7.0*	*11.2*	*14.7*
75°	109.3	55.6	28.4	21.4	23.0	13.7	8.6	6.1	6.7	12.8	17.3
77.5°	64.2	40.9	18.5	12.5	15.7	9.6	5.8	4.8	5.8	10.9	16.6
80°	51.8	21.7	10.9	6.4	8.6	5.4	3.8	2.9	1.6	4.2	8.6
82.5°	51.8	13.1	5.1	4.5	4.5	2.9	1.9	1.3	0.3	0.0	2.2
85°	34.8	5.4	3.2	2.9	2.2	1.0	0.6	0.3	0.0	0.0	0.0
87.5°	5.8	2.2	1.3	0.6	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

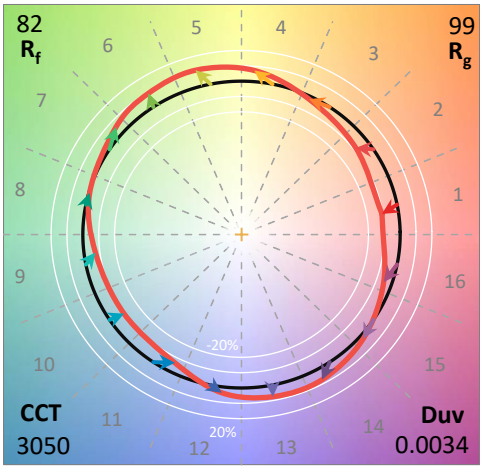
Test Information

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

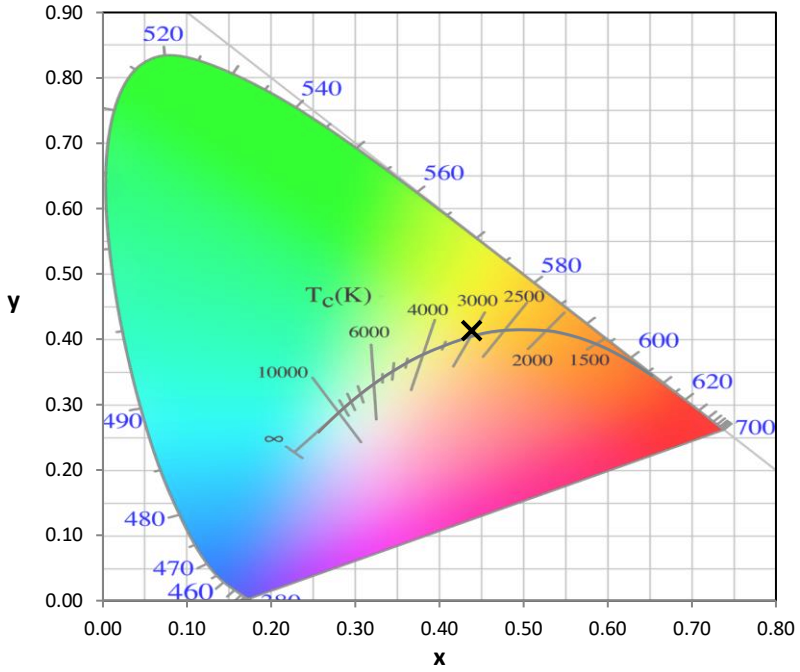
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

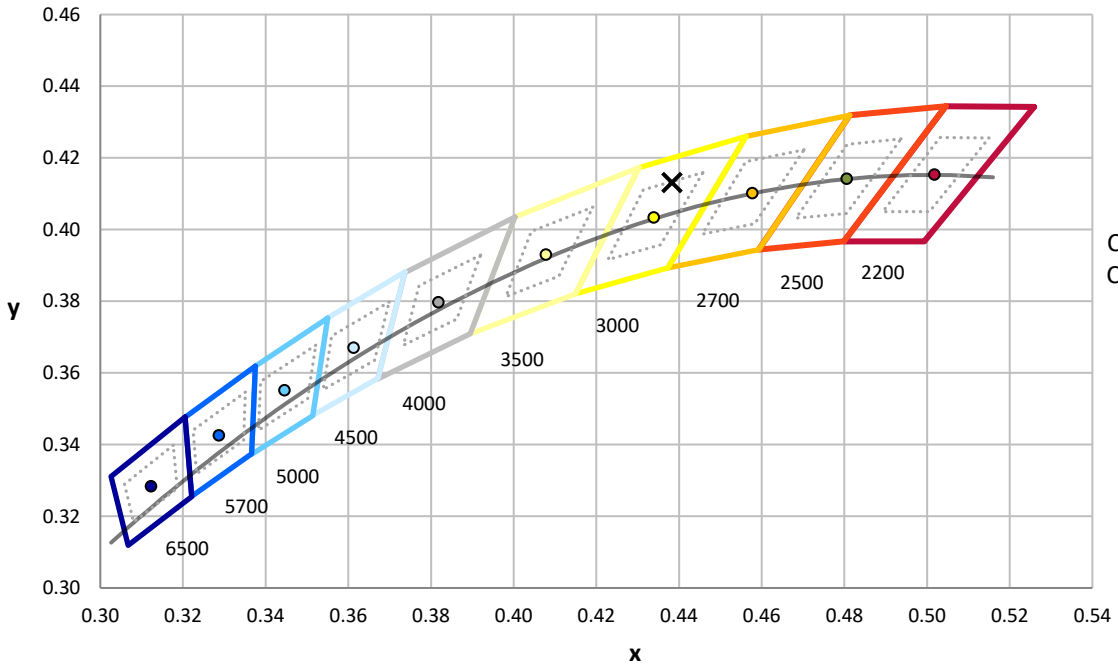
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

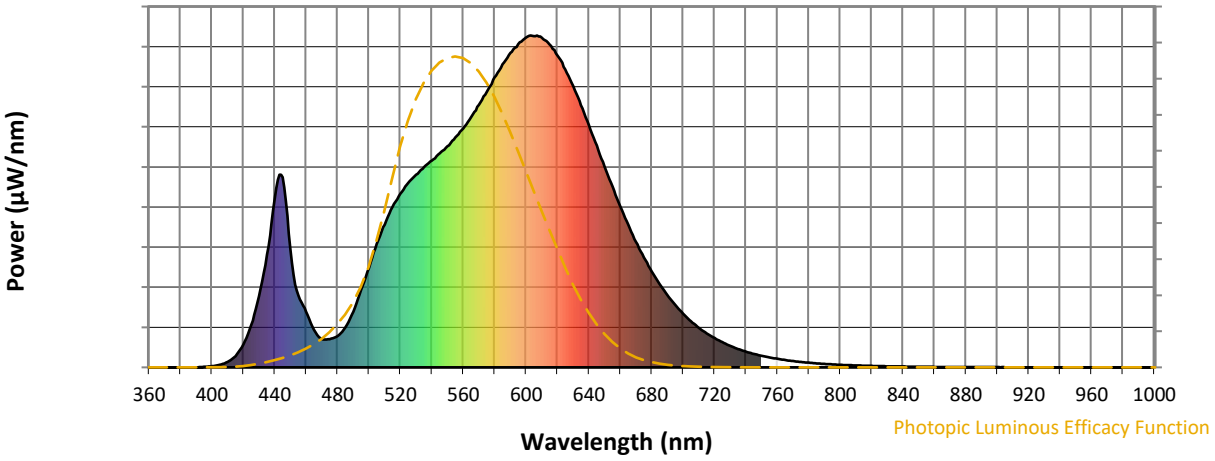


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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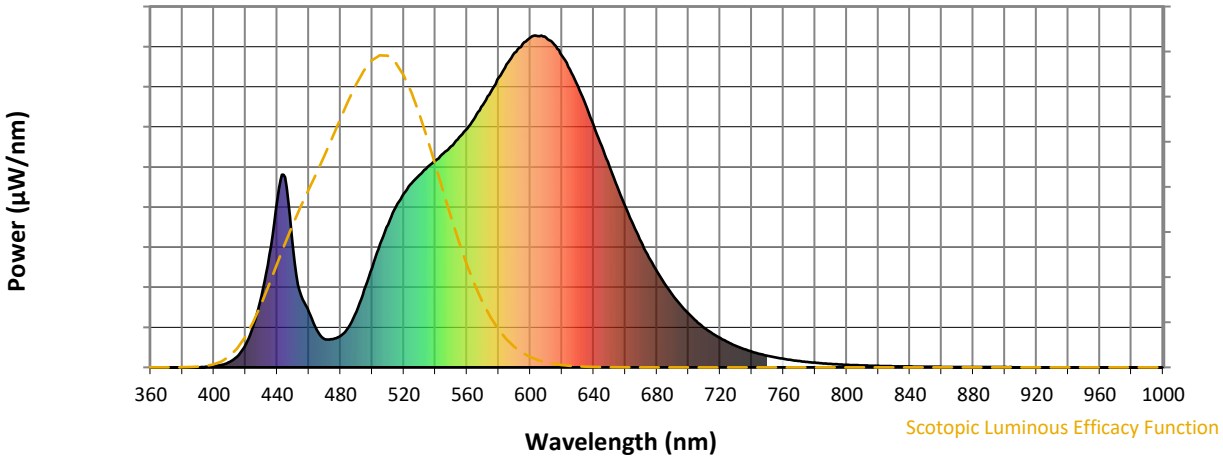
Scotopic Flux vs. Wavelength



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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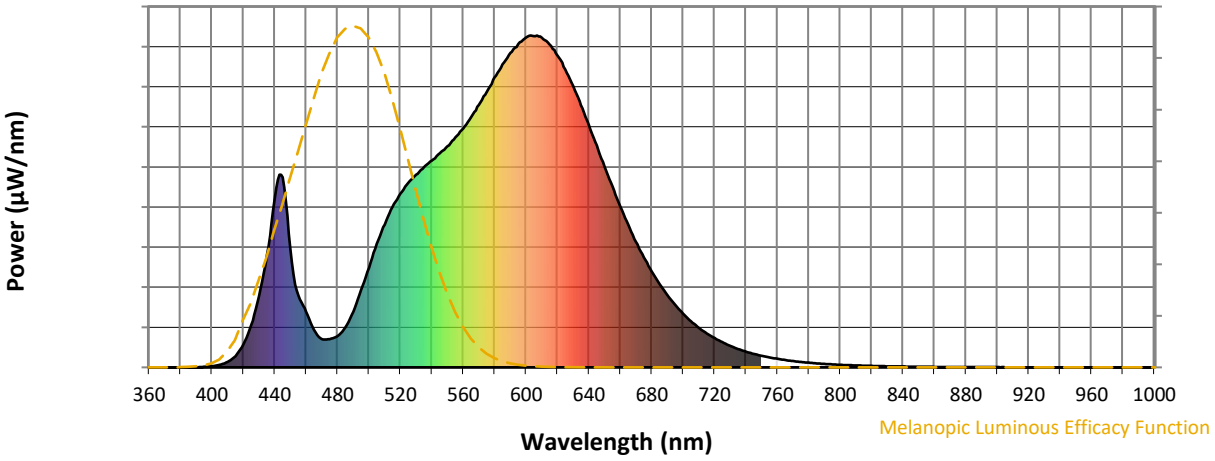
Melanopic Flux vs. Wavelength



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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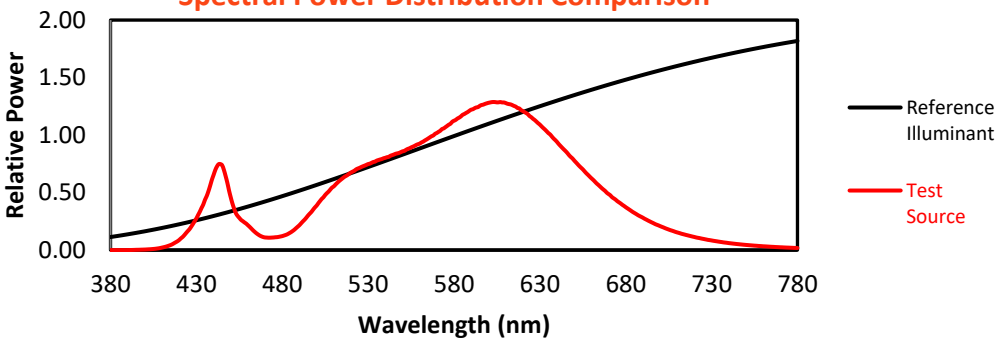
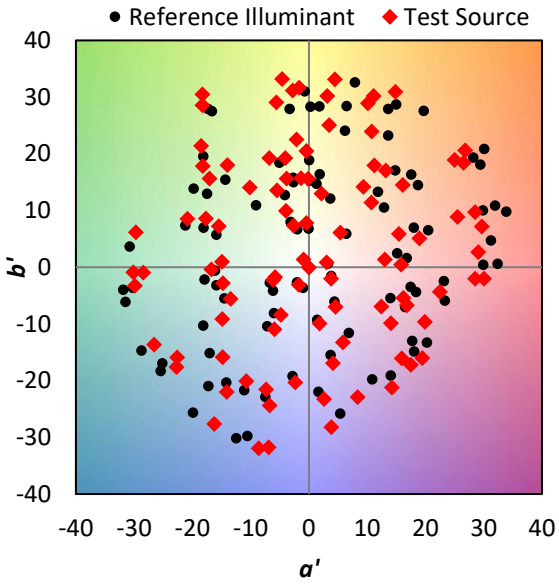
Summary

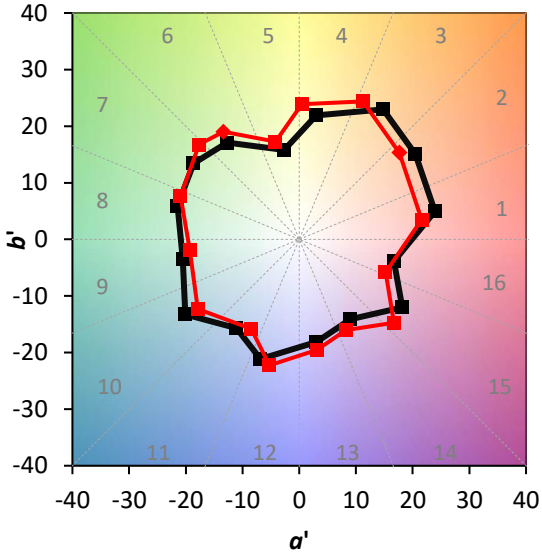
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

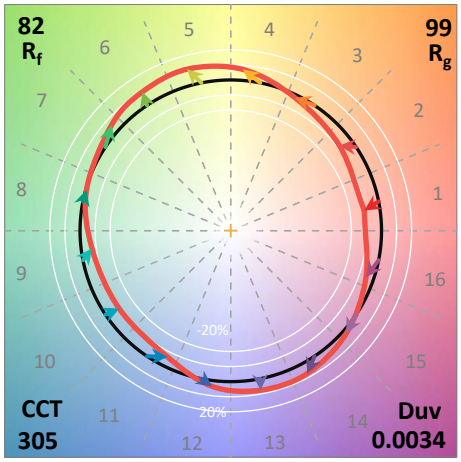
Spectral Power Distribution Comparison

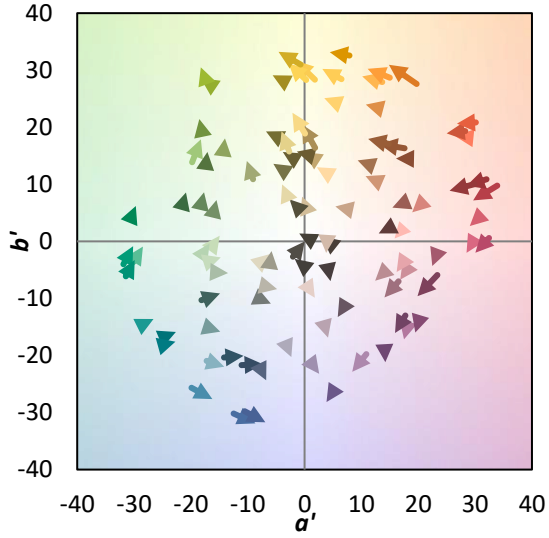


Color Vector Graphics









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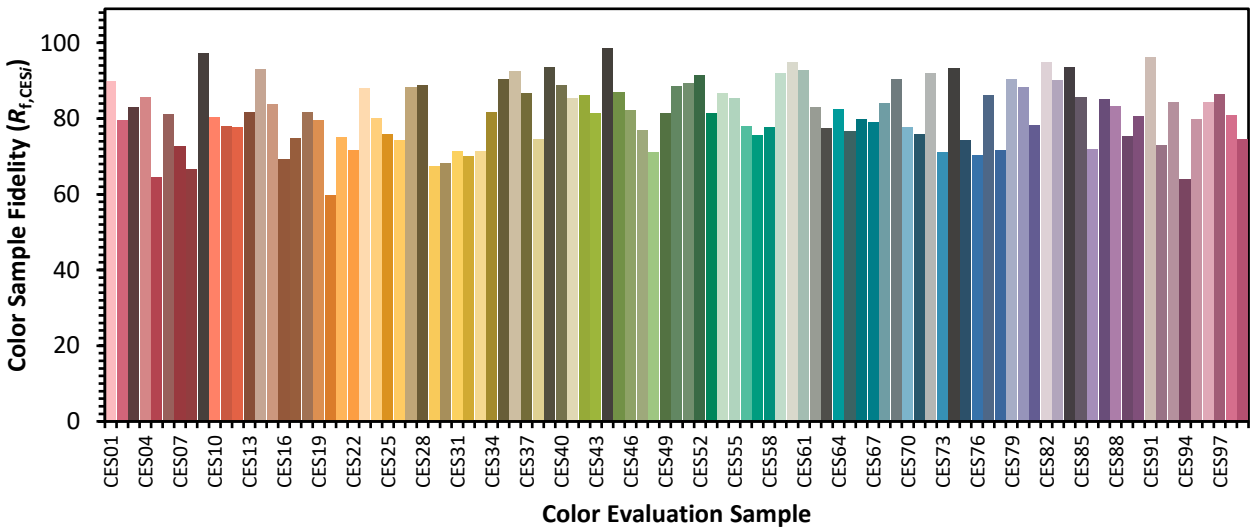
Individual Sample Fidelity Index ($R_{f,i}$)

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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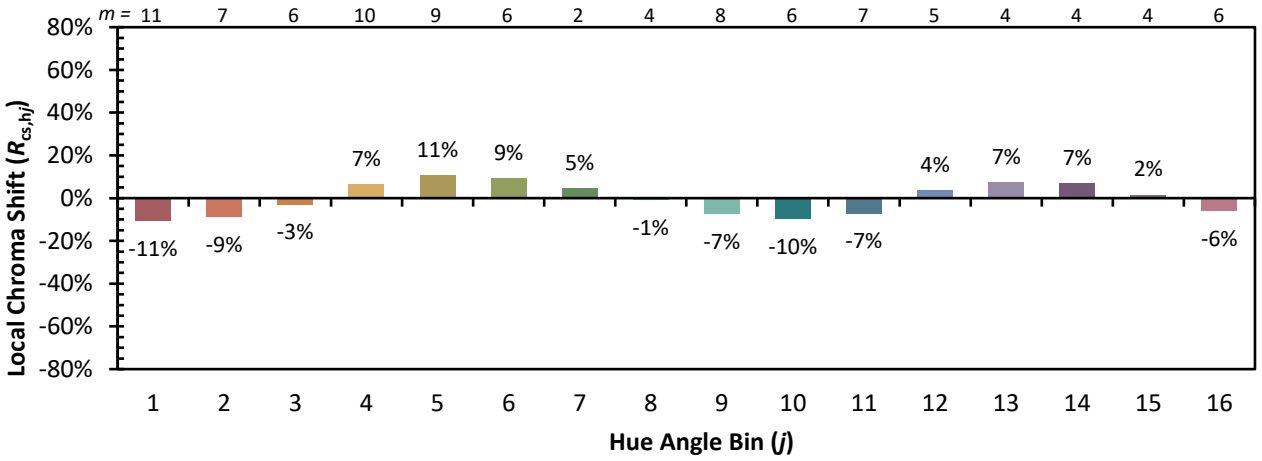
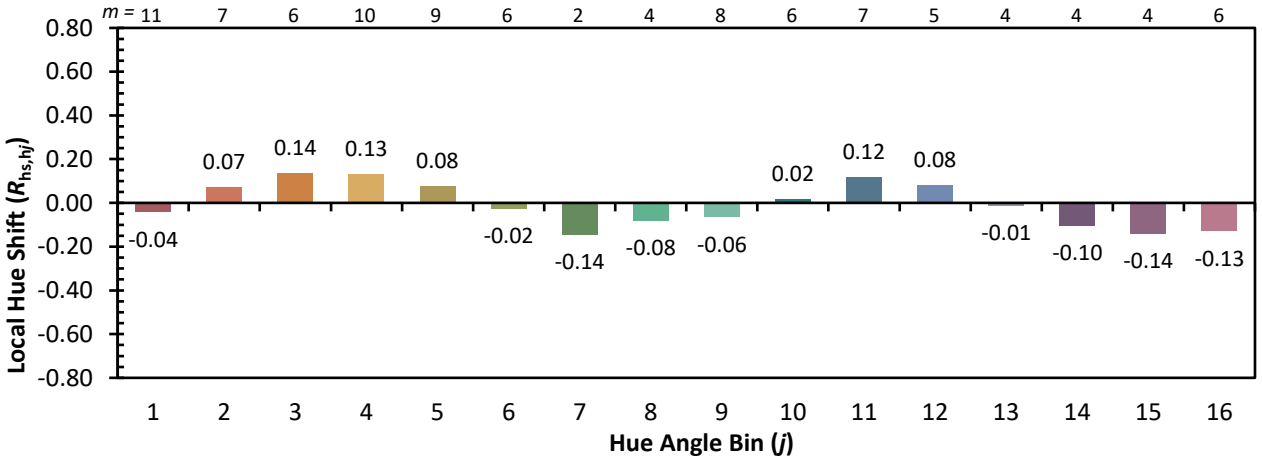
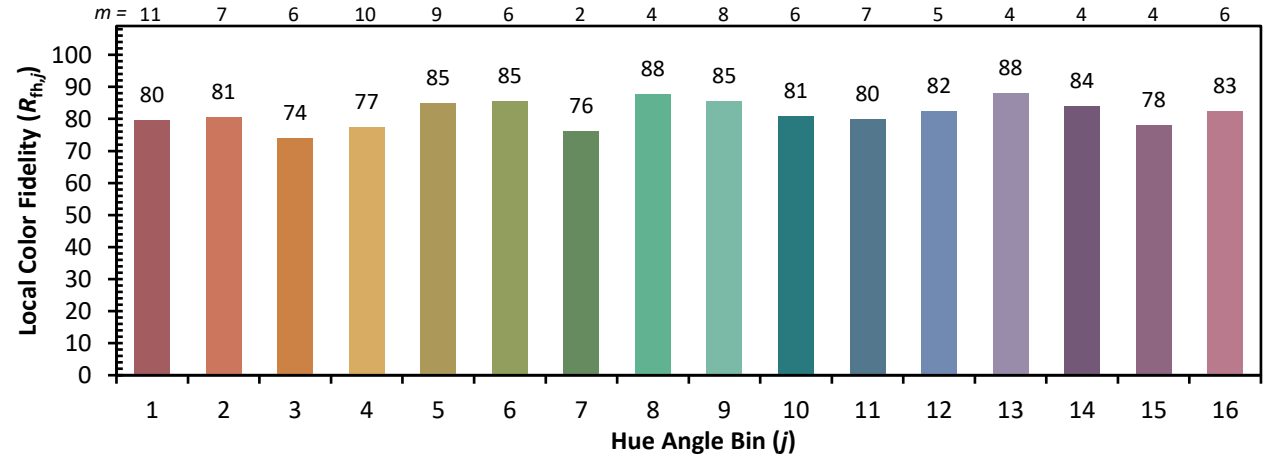
Color Rendition by Hue-Angle Bin







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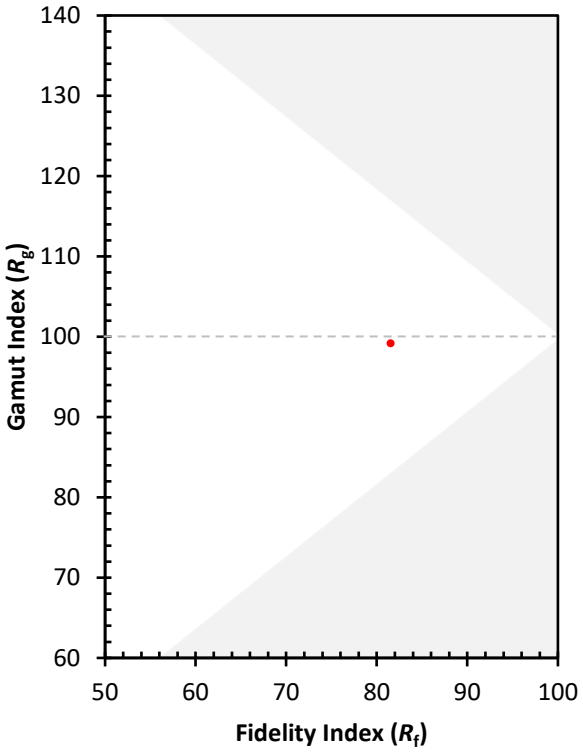
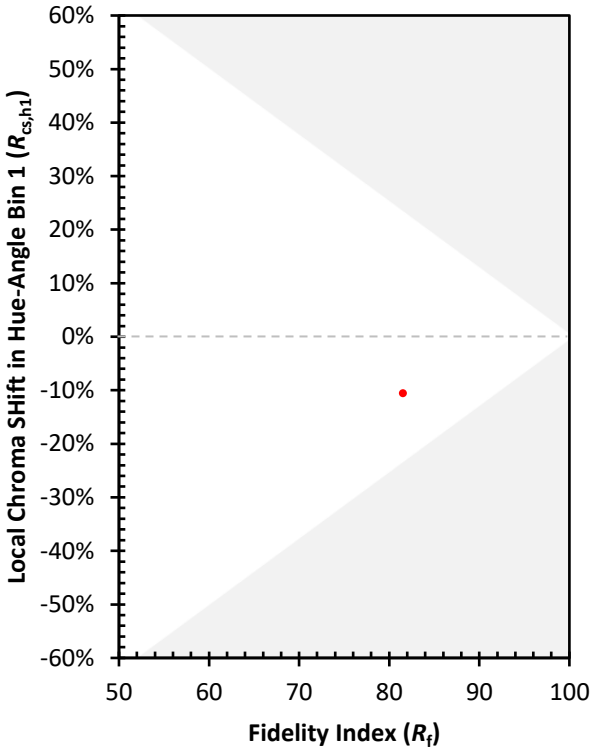
Measure Comparisons





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