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: P387172

Luminaire Tested: **GPC-SA2D-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:	P387172
	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-SA2D-830-U-SL4-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA 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:	10444 lumens
Efficiency:	N/A
Efficacy:	81.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G3

Input Watts (W):	128
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: P387172
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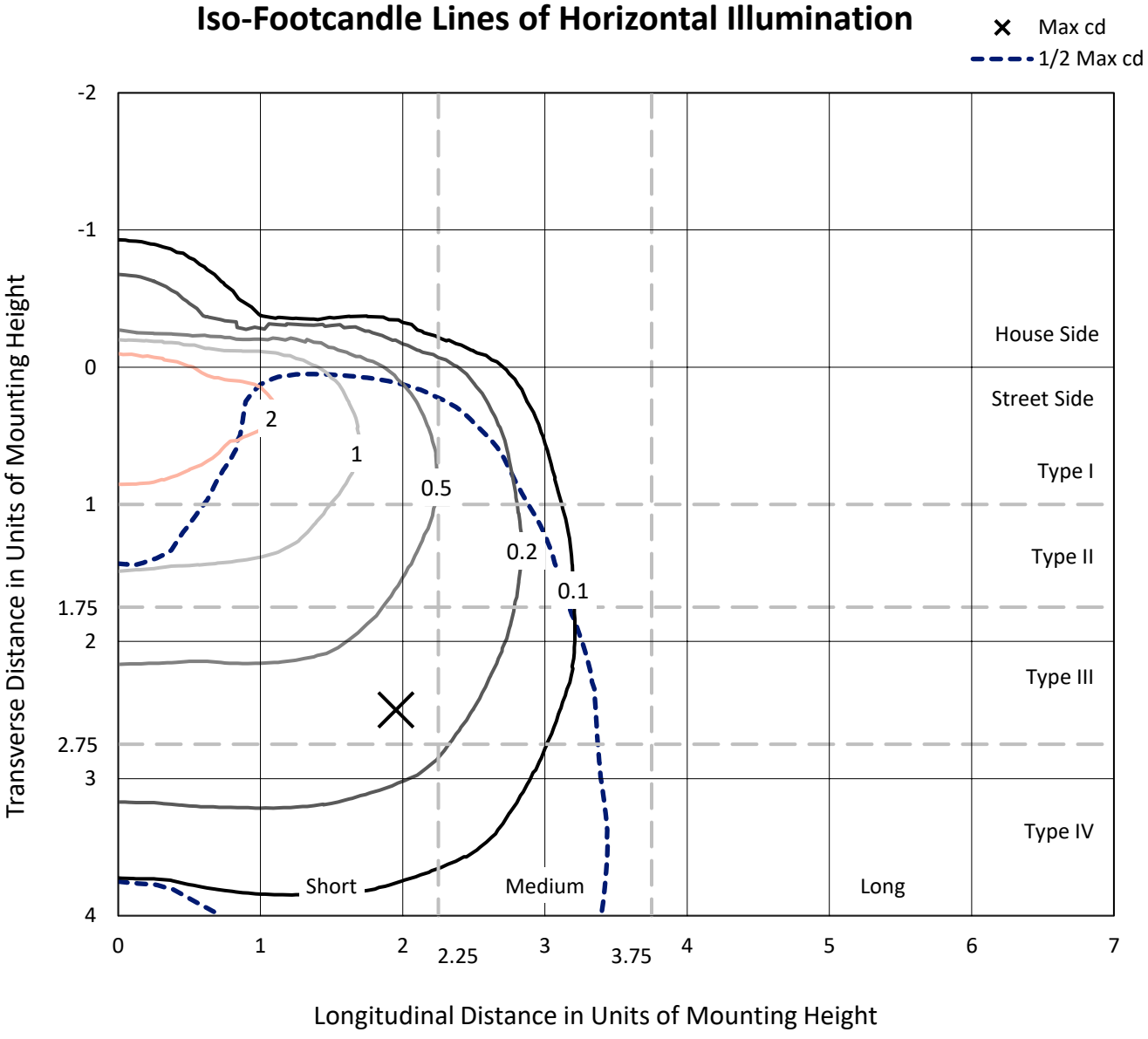
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Short - N/A

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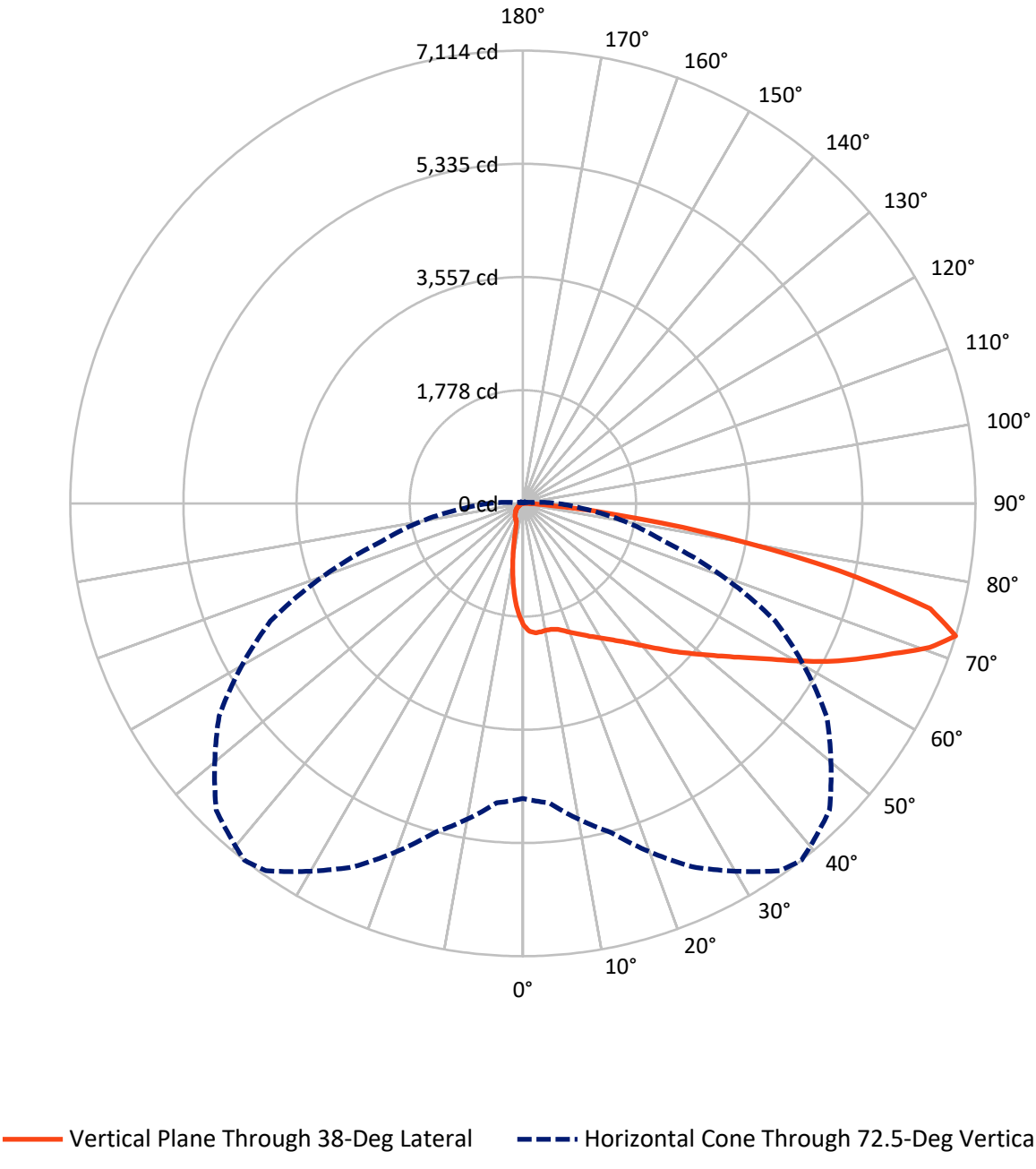
Luminous Intensity Polar Plot



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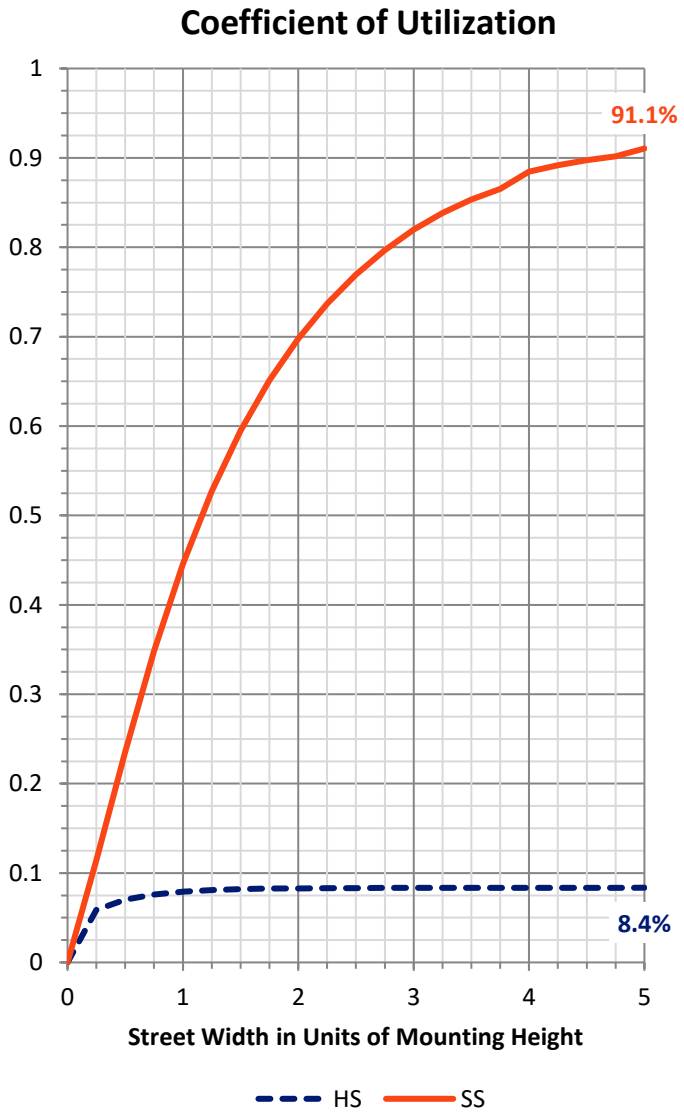
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	878.9	0.0	878.9
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	9565.1	0.0	9565.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	10444.0	0.0	10444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.7	1.6
10°-20°	400.2	3.8
20°-30°	636.5	6.1
30°-40°	957.0	9.2
40°-50°	1459.9	14.0
50°-60°	2063.4	19.8
60°-70°	2588.2	24.8
70°-80°	1935.2	18.5
80°-90°	240.0	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°	10444.0	100.0
0°-180°	10444.0	100.0



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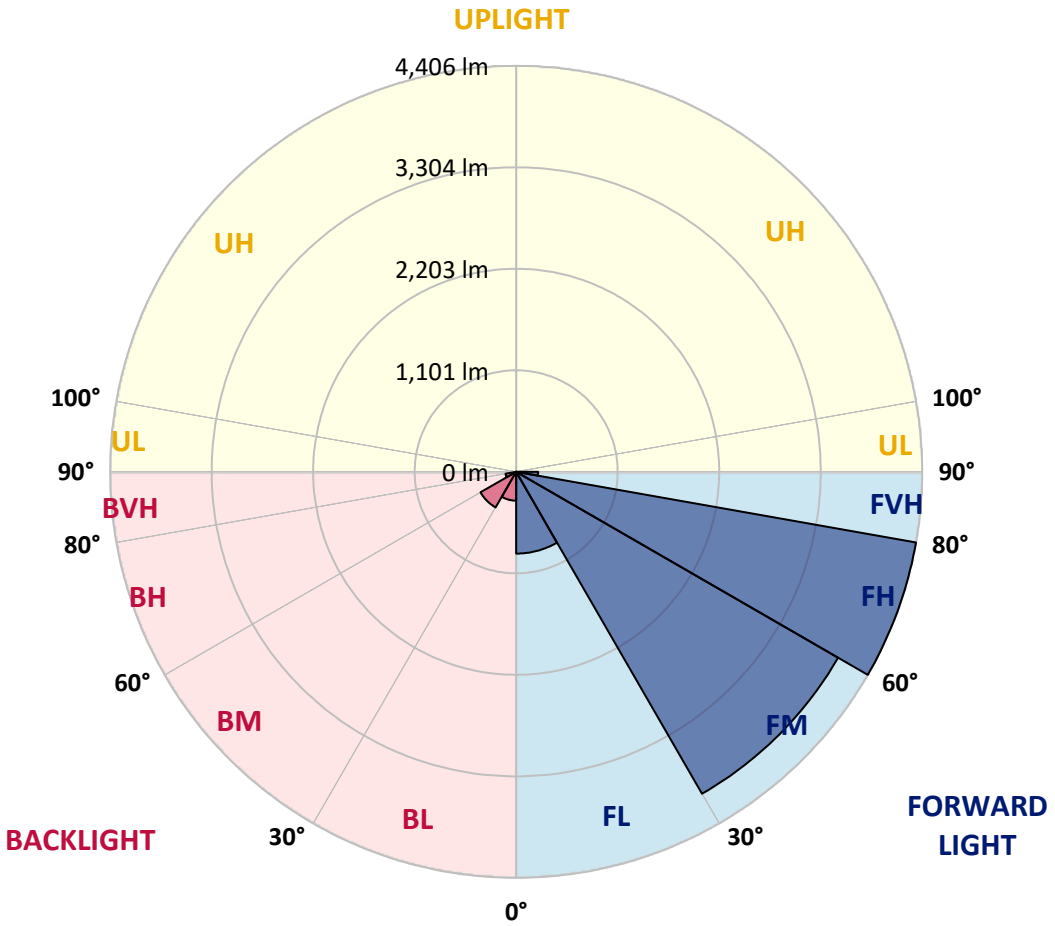
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	887.5	8.5			
FM	(30°-60°)	4033.9	38.6			
FH	(60°-80°)	4406.0	42.2			G2/5000
FVH	(80°-90°)	237.7	2.3			G3/500
BL	(0°-30°)	312.9	3.0	B1/500		
BM	(30°-60°)	446.3	4.3	B1/1000		
BH	(60°-80°)	117.4	1.1	B1/500		G1/500
BVH	(80°-90°)	2.2	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-G3
Type IV Short



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REPORT NUMBER: P387172
CATALOG NUMBER: GPC-SA2D-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1920.6	1920.6	1920.6	1920.6	1920.6	*1920.6*	1920.6	1920.6	1920.6	1920.6	1920.6
2.5°	2038.6	2039.0	2034.3	2026.5	2016.5	*2011.3*	2002.6	1988.7	1974.0	1947.5	1918.9
5°	2080.2	2080.2	2074.2	2063.8	2047.7	*2042.9*	2026.5	2004.3	1974.0	1931.0	1882.9
7.5°	2075.9	2076.8	2068.5	2057.7	2041.6	*2037.3*	2017.3	1992.6	1954.9	1902.8	1841.2
10°	2053.3	2055.5	2049.0	2043.8	2029.1	*2024.3*	2005.6	1980.9	1943.2	1887.7	1817.0
12.5°	2030.4	2032.5	2034.7	2039.5	2030.4	*2028.6*	2013.9	1993.1	1957.1	1899.4	1819.6
15°	2015.6	2019.9	2035.6	2054.2	2056.4	*2054.6*	2045.1	2025.6	1989.1	1929.3	1838.2
17.5°	2015.6	2022.5	2055.1	2090.6	2103.2	*2104.5*	2096.3	2069.0	2025.6	1961.4	1855.6
20°	2032.5	2042.1	2092.8	2143.1	2163.9	*2163.9*	2147.9	2109.7	2059.0	1990.4	1867.3
22.5°	2075.9	2088.5	2152.2	2210.4	2232.5	*2227.7*	2206.0	2150.5	2093.7	2023.4	1882.0
25°	2161.3	2170.9	2237.3	2295.8	2309.3	*2298.4*	2271.1	2199.9	2137.9	2068.1	1908.9
27.5°	2271.5	2272.8	2341.3	2390.8	2382.6	*2375.2*	2340.9	2262.0	2201.7	2131.9	1955.3
30°	2392.5	2392.5	2452.8	2490.6	2465.4	*2459.3*	2425.1	2337.0	2283.2	2218.6	2021.2
32.5°	2509.6	2514.8	2563.9	2587.7	2559.5	*2553.4*	2520.1	2432.0	2391.7	2350.9	2124.0
35°	2622.8	2626.8	2673.2	2686.2	2659.3	*2661.0*	2637.2	2562.6	2547.4	2542.2	2278.9
37.5°	2732.6	2733.5	2780.7	2789.0	2775.5	*2790.3*	2792.4	2726.5	2754.7	2796.8	2497.1
40°	2832.8	2833.6	2880.5	2901.7	2924.7	*2943.8*	2960.7	2925.6	3018.9	3116.4	2756.9
42.5°	2913.0	2922.1	2981.6	3021.9	3082.6	*3119.1*	3165.0	3163.3	3333.3	3479.9	3070.9
45°	2983.7	2999.3	3082.2	3152.9	3257.0	*3315.1*	3387.1	3443.5	3687.3	3884.6	3388.8
47.5°	3077.0	3091.7	3186.3	3302.1	3440.9	*3517.2*	3636.5	3758.4	4076.3	4281.9	3699.4
50°	3208.4	3201.9	3295.2	3461.3	3639.5	*3739.7*	3909.8	4092.4	4462.4	4628.0	3882.0
52.5°	3348.5	3345.9	3414.9	3634.3	3873.8	*3990.9*	4215.6	4437.6	4831.5	4866.6	3965.7
55°	3522.0	3503.3	3561.5	3831.7	4151.8	*4277.6*	4542.2	4779.4	5125.5	5001.1	4007.8
57.5°	3703.7	3672.9	3728.5	4051.6	4465.4	*4614.2*	4903.9	5112.5	5321.2	5093.0	4007.4
60°	3891.5	3855.1	3921.0	4326.6	4854.9	*5027.1*	5296.0	5337.7	5503.8	5139.4	3977.9
62.5°	4048.6	4026.9	4124.9	4620.7	5289.9	*5459.1*	5592.3	5542.4	5657.8	5175.4	3908.9
65°	4214.7	4216.0	4374.3	4963.8	5752.3	*5866.4*	5877.7	5807.8	5786.6	5168.1	3675.5
67.5°	4439.4	4460.2	4724.3	5429.6	6202.1	*6290.2*	6289.3	6095.4	5880.7	4874.8	3158.1
70°	4677.1	4726.1	5127.7	5962.7	6693.1	*6782.5*	6736.5	6278.4	5537.2	3941.9	2235.1
72.5°	*4637.2*	*4722.2*	*5352.0*	*6298.8*	*7045.7*	*7113.8*	*6815.0*	*5828.6*	*4376.5*	*2291.0*	*951.6*
75°	3577.5	3676.0	4907.4	5965.7	6675.7	*6614.6*	5855.5	4535.7	2391.7	639.3	214.3
77.5°	1889.8	1942.3	3241.8	4544.8	5205.4	*5077.4*	4124.9	2516.1	729.1	158.3	96.3
80°	989.8	1001.9	1412.7	2578.6	3212.7	*3213.6*	2444.6	1105.2	300.6	81.1	64.6
82.5°	530.0	540.4	746.5	1191.5	1683.4	*1525.9*	936.0	608.1	174.8	46.0	62.0
85°	127.5	129.7	423.3	544.3	661.9	*472.8*	278.0	510.5	47.3	26.9	50.3
87.5°	49.0	49.9	157.0	235.5	168.7	*109.3*	130.1	190.4	6.1	10.4	7.8
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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Scaled Data Report

REPORT NUMBER: P387172
CATALOG NUMBER: GPC-SA2D-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1920.6	1920.6	1920.6	1920.6	1920.6	1920.6	1920.6	1920.6	1920.6	1920.6	1920.6
2.5°	1901.5	1890.3	1862.5	1827.4	1796.1	1773.6	1739.7	1717.6	1702.9	1702.4	1696.8
5°	1853.4	1830.4	1770.5	1699.4	1634.8	1576.7	1508.1	1453.9	1413.6	1407.1	1393.2
7.5°	1801.8	1764.0	1672.1	1561.0	1452.6	1342.4	1214.5	1135.1	1067.0	1034.5	1031.0
10°	1770.1	1717.2	1586.6	1426.1	1256.1	1077.0	909.6	793.8	710.0	686.2	668.4
12.5°	1763.6	1693.8	1520.7	1299.5	1056.6	819.8	634.6	511.4	444.6	423.3	417.7
15°	1770.1	1682.9	1465.2	1174.1	854.5	581.7	425.9	354.4	329.2	323.1	322.7
17.5°	1774.0	1669.9	1402.3	1034.9	658.4	415.5	326.2	305.4	301.5	301.0	301.9
20°	1773.6	1650.0	1327.3	879.6	489.7	326.6	294.9	290.6	289.7	290.2	289.7
22.5°	1770.5	1626.5	1244.8	719.6	370.0	291.9	281.5	278.9	278.5	278.5	278.5
25°	1776.2	1607.9	1154.2	566.5	304.9	275.9	269.4	267.2	266.8	266.8	265.9
27.5°	1796.6	1597.5	1054.9	435.9	275.4	261.5	256.3	255.9	254.6	254.2	255.0
30°	1829.5	1597.5	946.0	339.2	257.6	246.8	242.9	242.0	241.6	241.2	241.6
32.5°	1887.7	1609.6	827.1	281.9	240.7	230.3	227.7	229.0	227.7	227.7	227.7
35°	1992.6	1646.1	702.7	245.9	222.9	214.3	211.7	213.4	212.5	212.5	212.1
37.5°	2145.7	1713.7	577.3	224.2	207.3	198.2	194.8	197.4	196.5	196.5	196.1
40°	2332.2	1812.2	458.0	207.8	192.1	182.6	179.6	180.9	178.7	178.7	179.6
42.5°	2562.6	1937.1	353.9	191.7	177.0	167.9	166.1	164.8	160.9	158.8	159.2
45°	2818.5	2067.2	275.9	176.1	162.7	155.3	152.7	149.2	142.7	138.4	138.8
47.5°	3047.0	2167.4	224.2	160.9	149.6	144.0	140.1	133.6	124.1	118.8	119.3
50°	3167.2	2182.6	190.8	145.7	137.5	131.9	126.2	116.2	105.0	99.3	98.9
52.5°	3198.0	2111.5	166.1	131.9	125.4	118.8	111.5	98.0	85.4	79.4	78.5
55°	3209.3	2003.0	144.0	118.8	112.3	105.0	95.4	80.2	68.5	62.5	62.0
57.5°	3172.0	1841.2	126.7	107.1	99.3	90.2	78.5	64.2	52.9	48.1	48.1
60°	3089.1	1622.2	113.2	94.6	85.9	75.5	63.3	49.9	39.5	35.6	35.6
62.5°	2923.9	1338.5	100.6	81.5	73.3	62.5	51.2	37.7	27.8	25.6	26.0
65°	2612.0	1015.4	88.0	69.8	62.5	51.6	39.9	26.9	18.7	18.7	19.5
67.5°	2130.1	705.3	75.0	59.4	53.8	42.1	30.4	18.7	13.0	14.7	16.5
70°	1410.1	395.6	64.2	49.0	46.0	33.4	22.6	12.6	10.4	13.9	16.9
72.5°	*532.2*	*154.0*	*53.8*	*39.5*	*39.9*	*25.6*	*16.0*	*9.5*	*9.5*	*15.2*	*20.0*
75°	148.3	75.5	38.6	29.1	31.2	18.7	11.7	8.2	9.1	17.3	23.4
77.5°	87.2	55.5	25.2	16.9	21.3	13.0	7.8	6.5	7.8	14.7	22.6
80°	70.3	29.5	14.7	8.7	11.7	7.4	5.2	3.9	2.2	5.6	11.7
82.5°	70.3	17.8	6.9	6.1	6.1	3.9	2.6	1.7	0.4	0.0	3.0
85°	47.3	7.4	4.3	3.9	3.0	1.3	0.9	0.4	0.0	0.0	0.0
87.5°	7.8	3.0	1.7	0.9	0.4	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

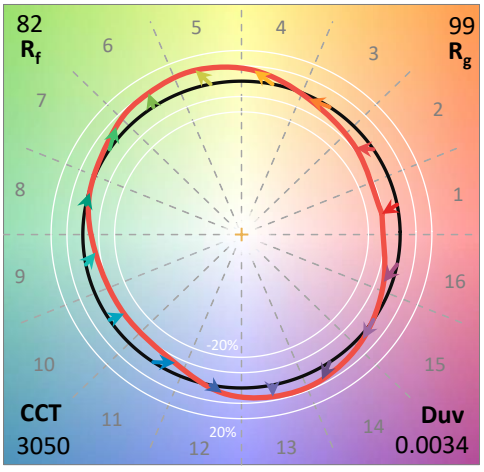
Test Information

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

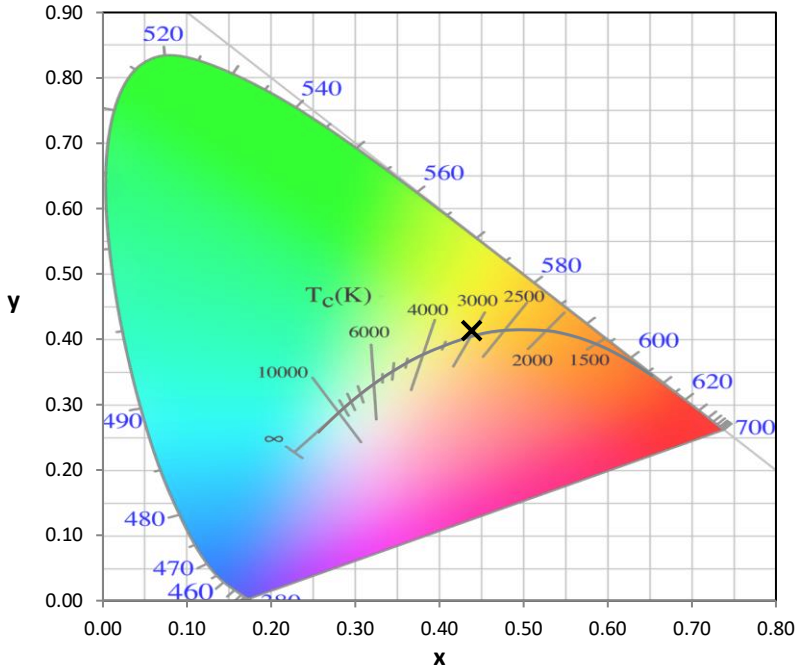
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

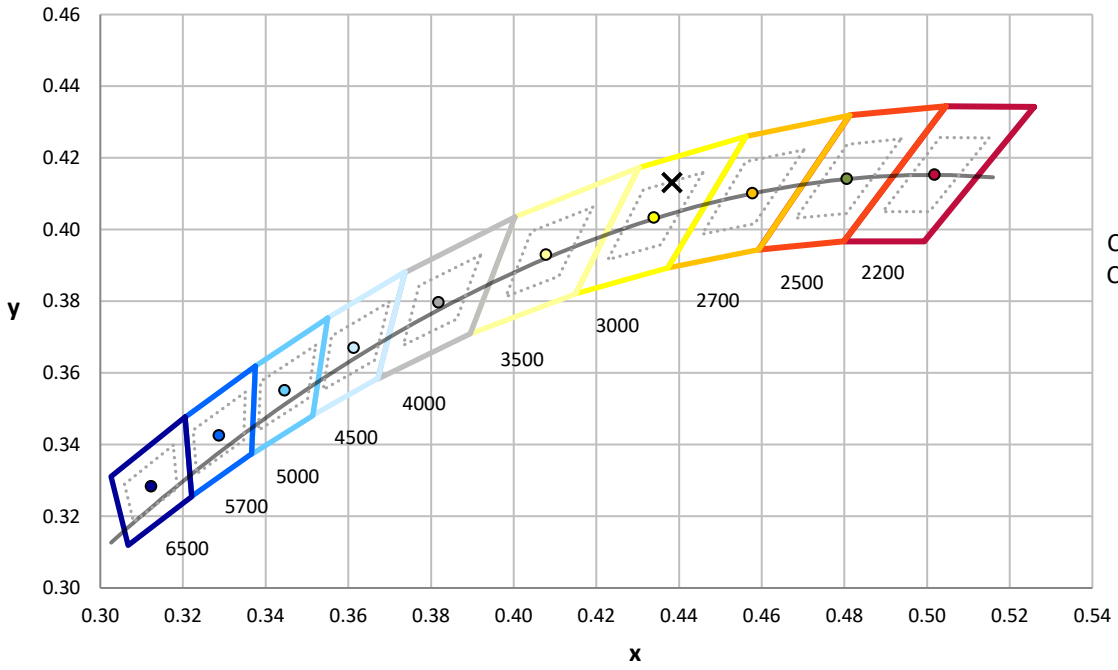
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

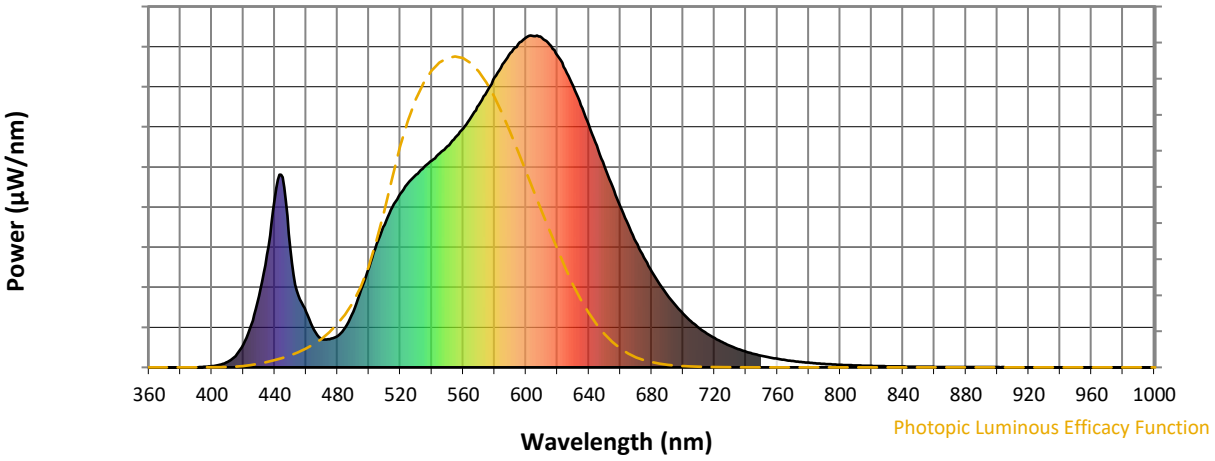


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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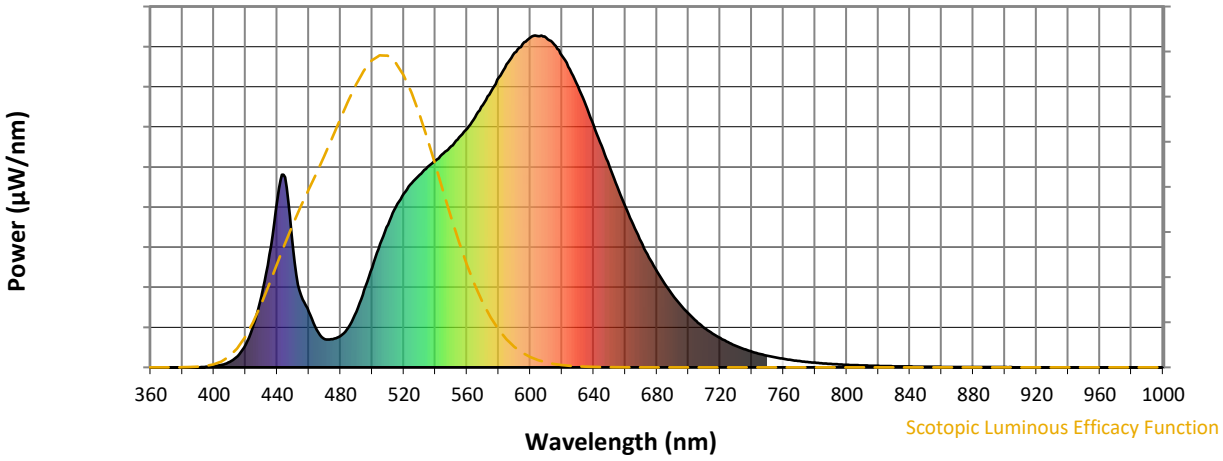
Scotopic Flux vs. Wavelength



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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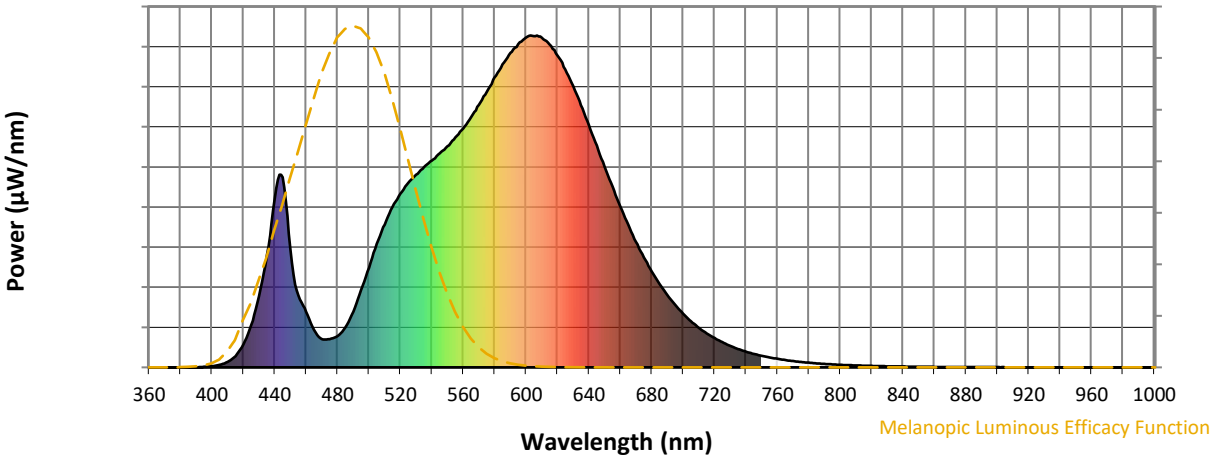
Melanopic Flux vs. Wavelength



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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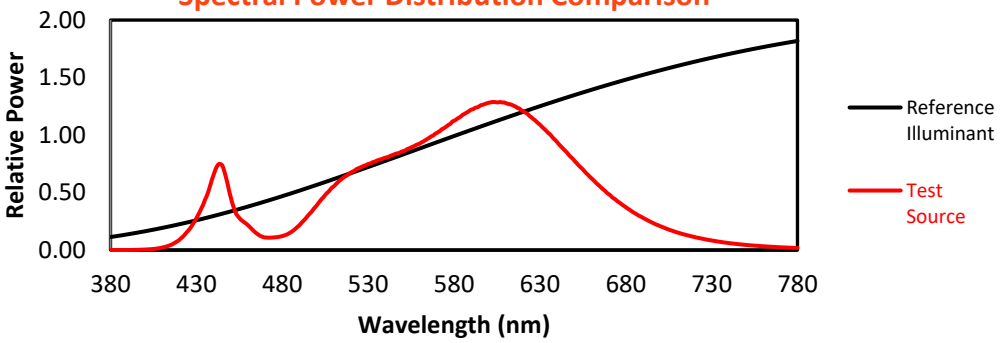
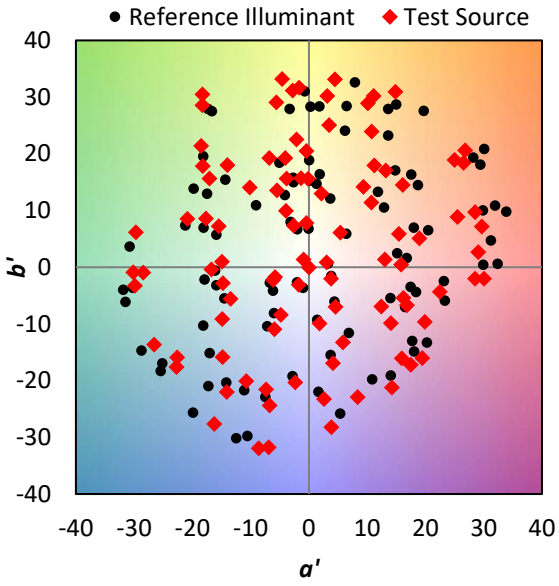
Summary

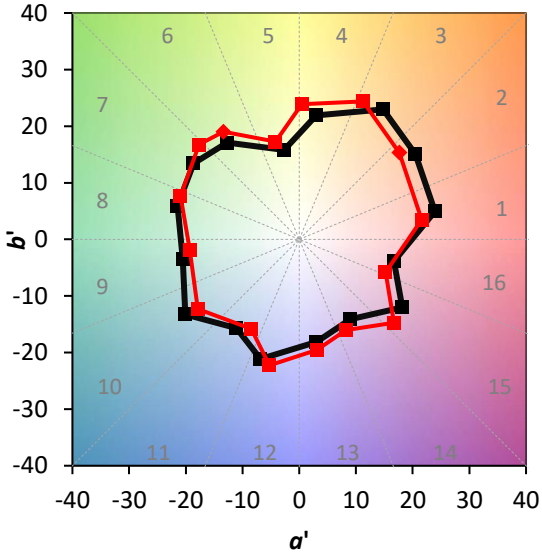
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

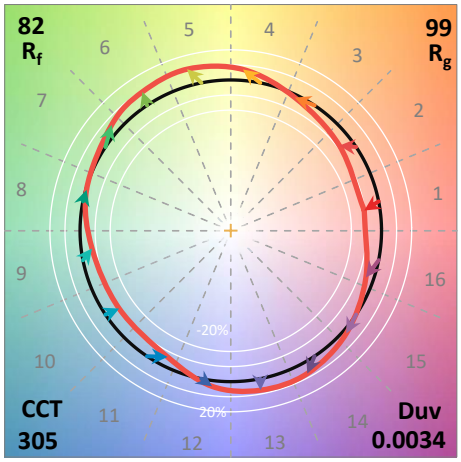
Spectral Power Distribution Comparison

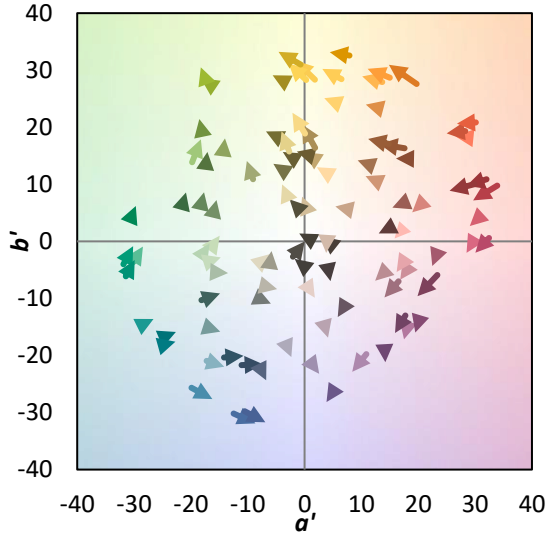


Color Vector Graphics









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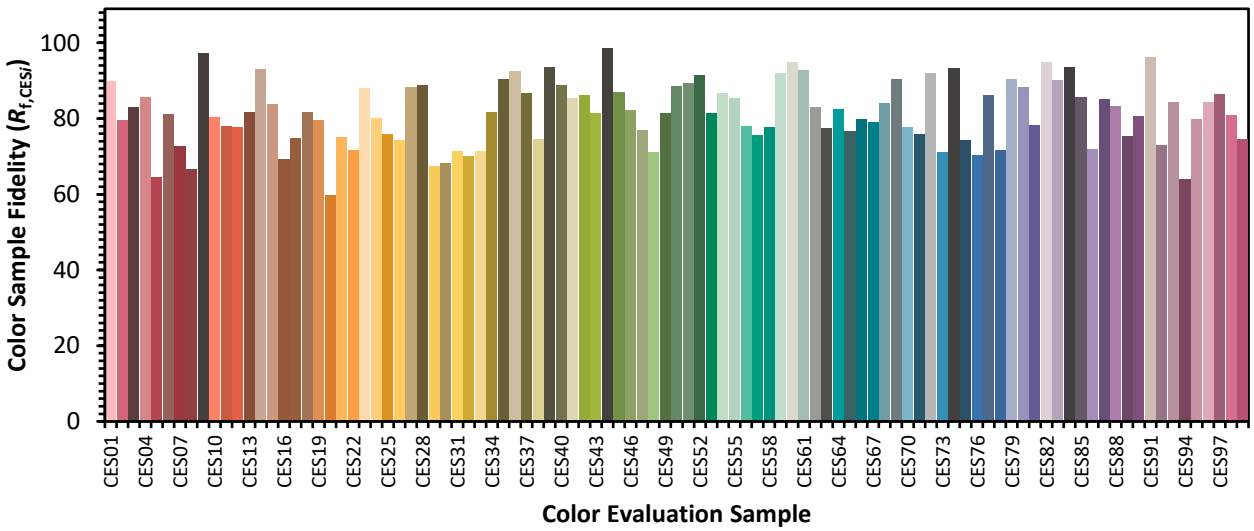
Individual Sample Fidelity Index ($R_{f,i}$)

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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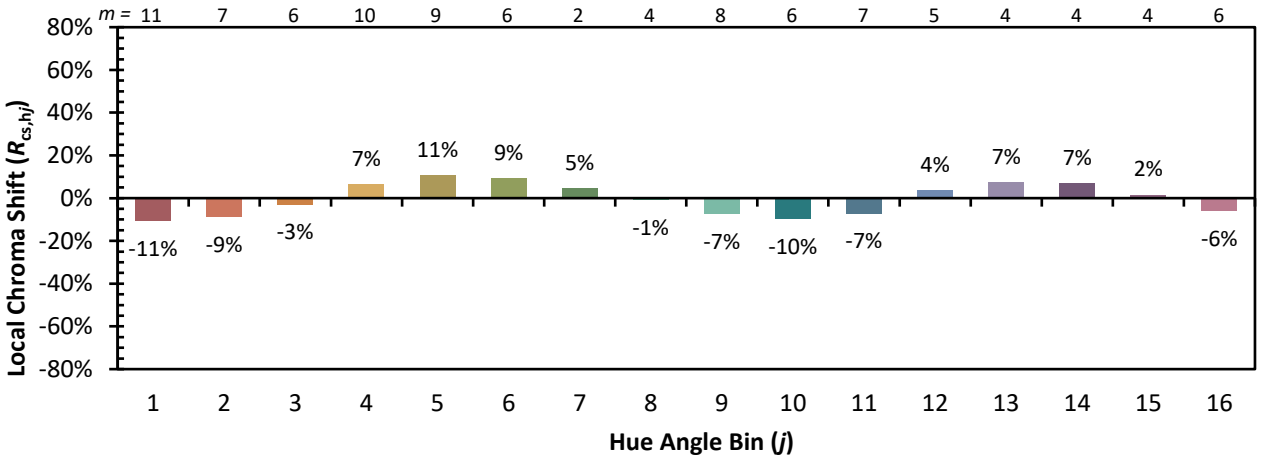
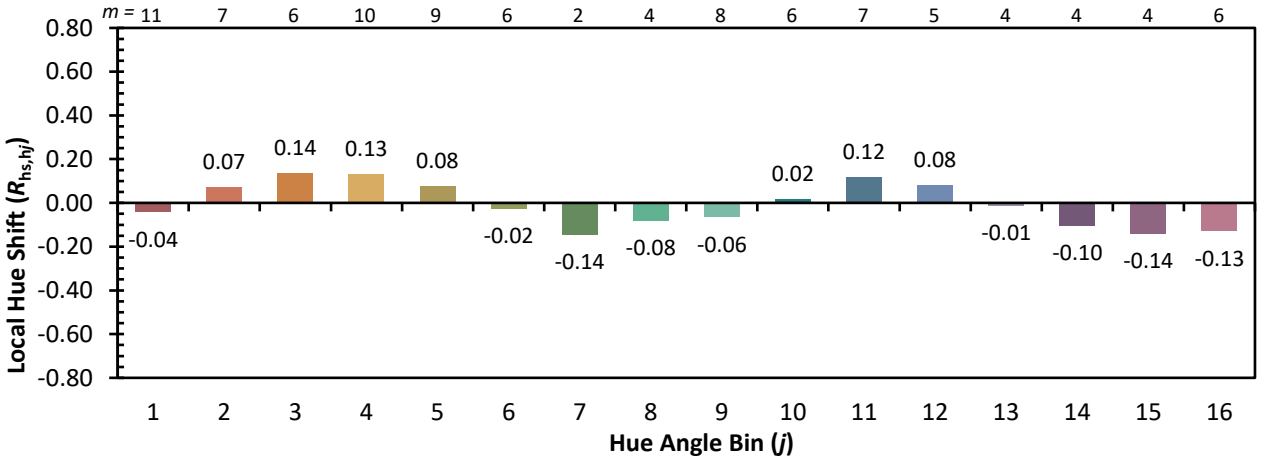
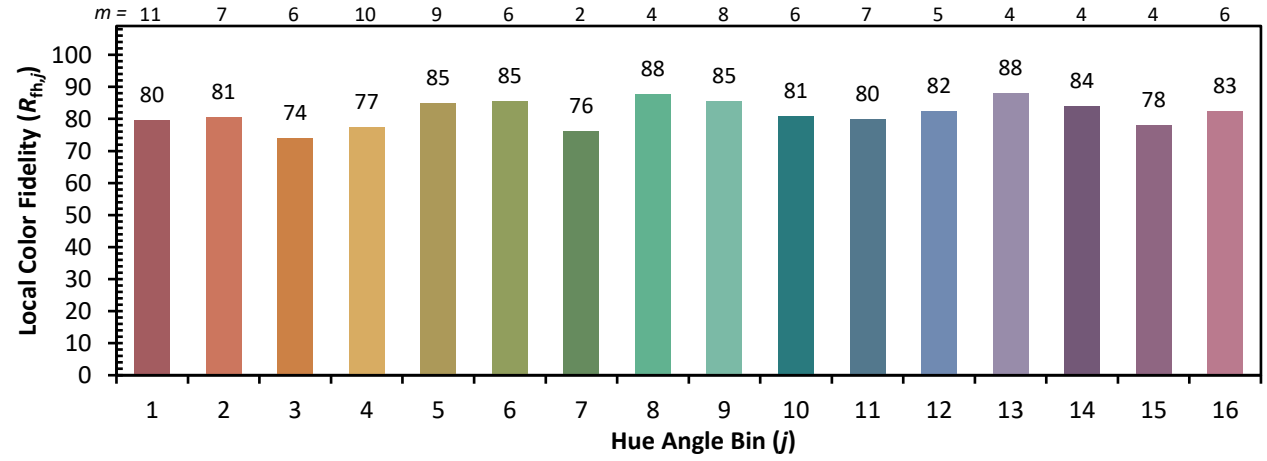
Color Rendition by Hue-Angle Bin







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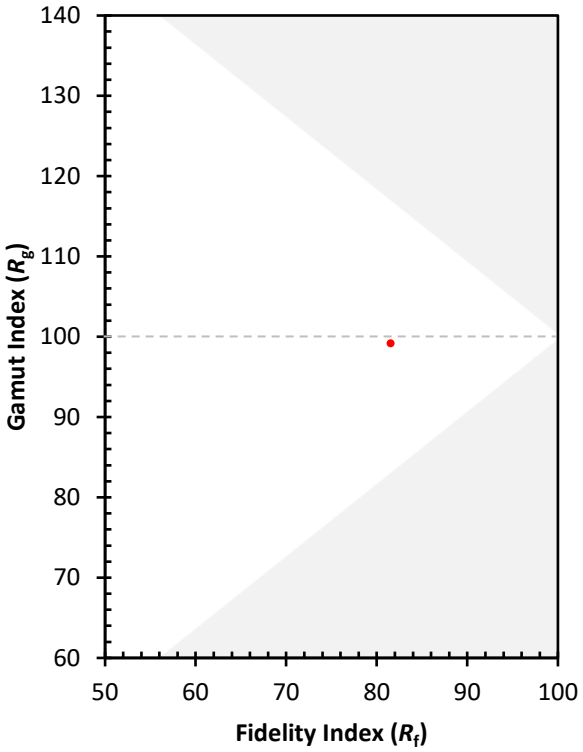
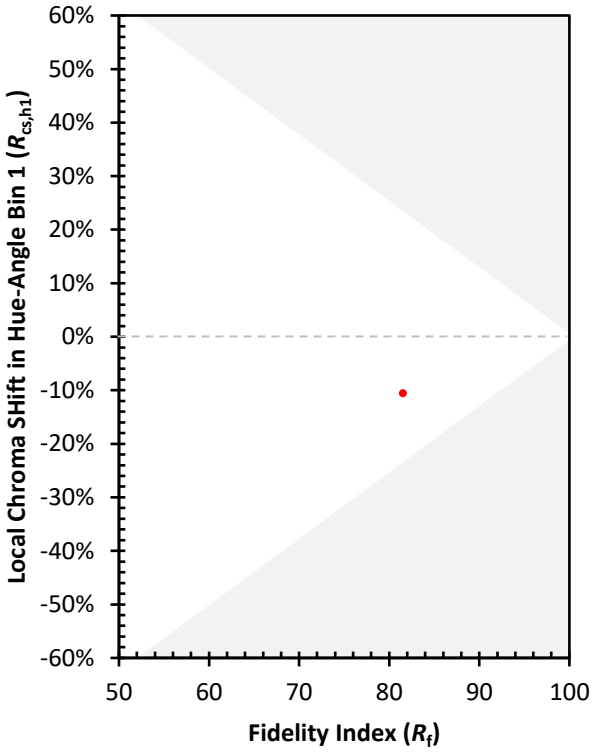
Measure Comparisons





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