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: P386948

Luminaire Tested: **GPC-SA2C-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:	P386948
	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-SA2C-830-U-SL4-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA 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:	9520 lumens
Efficiency:	N/A
Efficacy:	85.8 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: P386948
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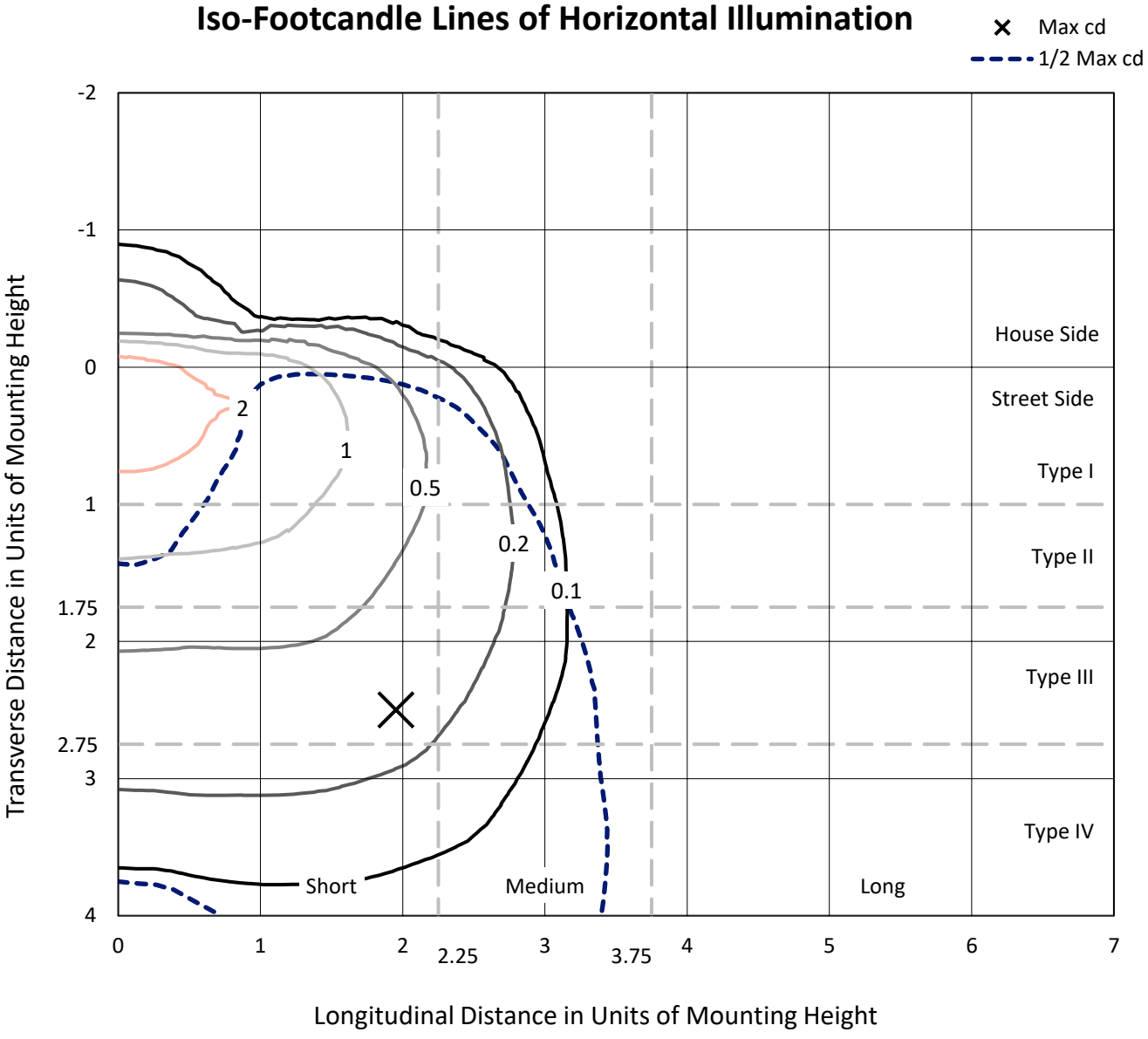
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type IV - Short - N/A

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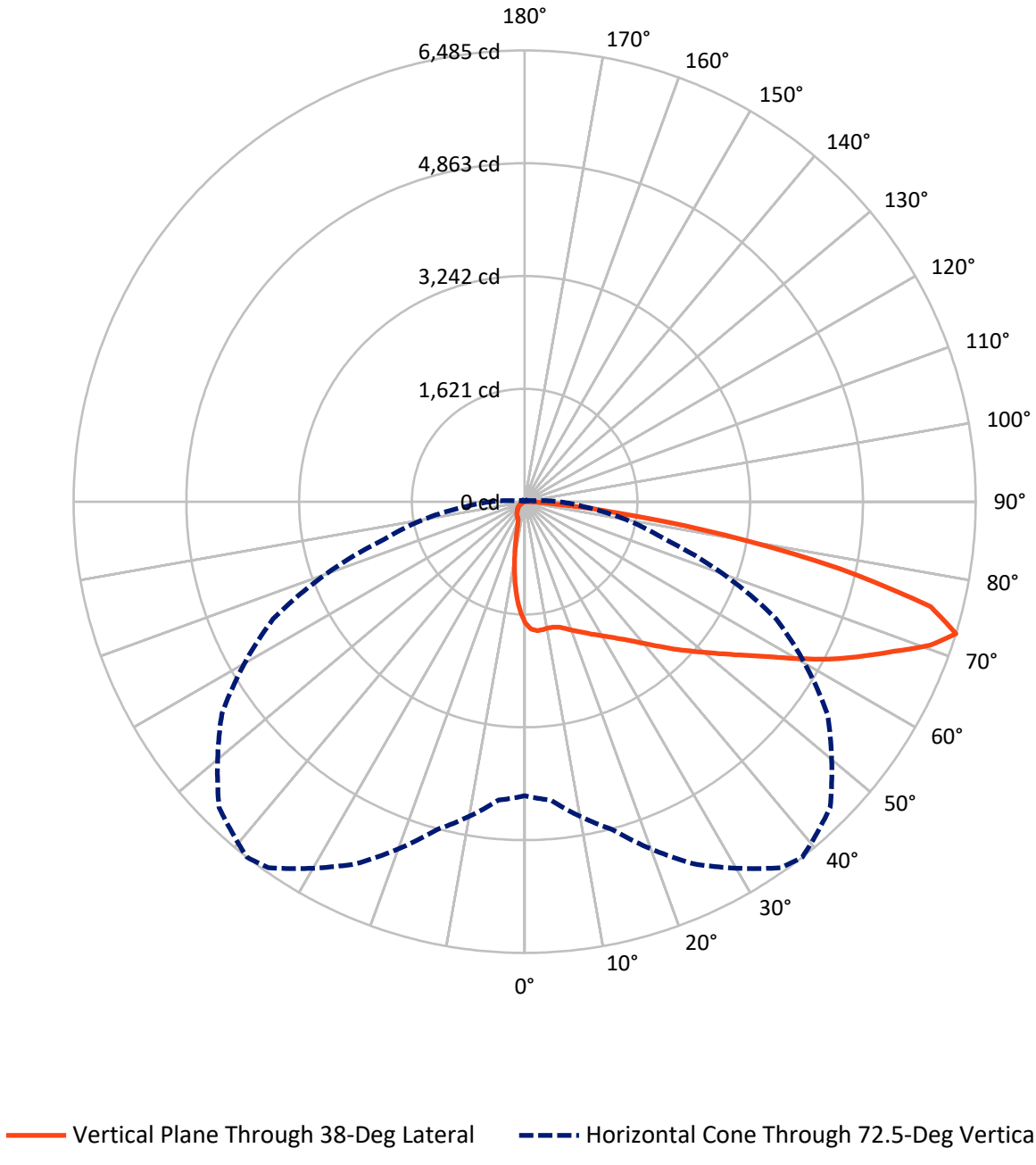
Luminous Intensity Polar Plot



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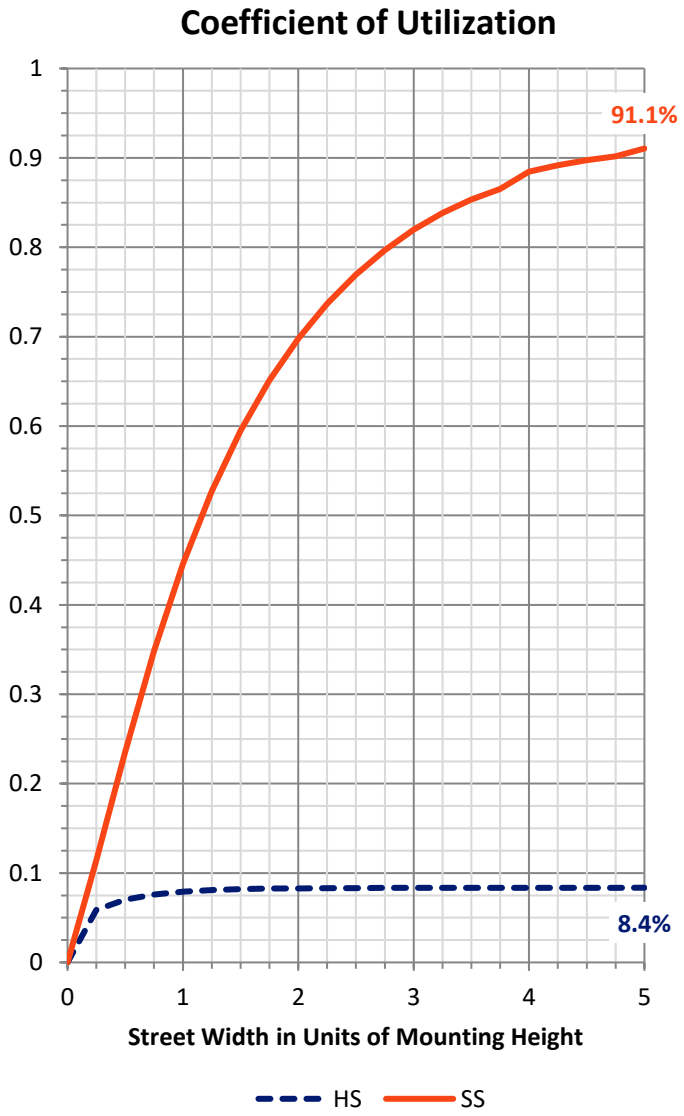
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	801.1	0.0	801.1
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	8718.8	0.0	8718.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	9520.0	0.0	9520.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.2	1.6
10°-20°	364.8	3.8
20°-30°	580.2	6.1
30°-40°	872.3	9.2
40°-50°	1330.8	14.0
50°-60°	1880.8	19.8
60°-70°	2359.2	24.8
70°-80°	1764.0	18.5
80°-90°	218.7	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°	9520.0	100.0
0°-180°	9520.0	100.0



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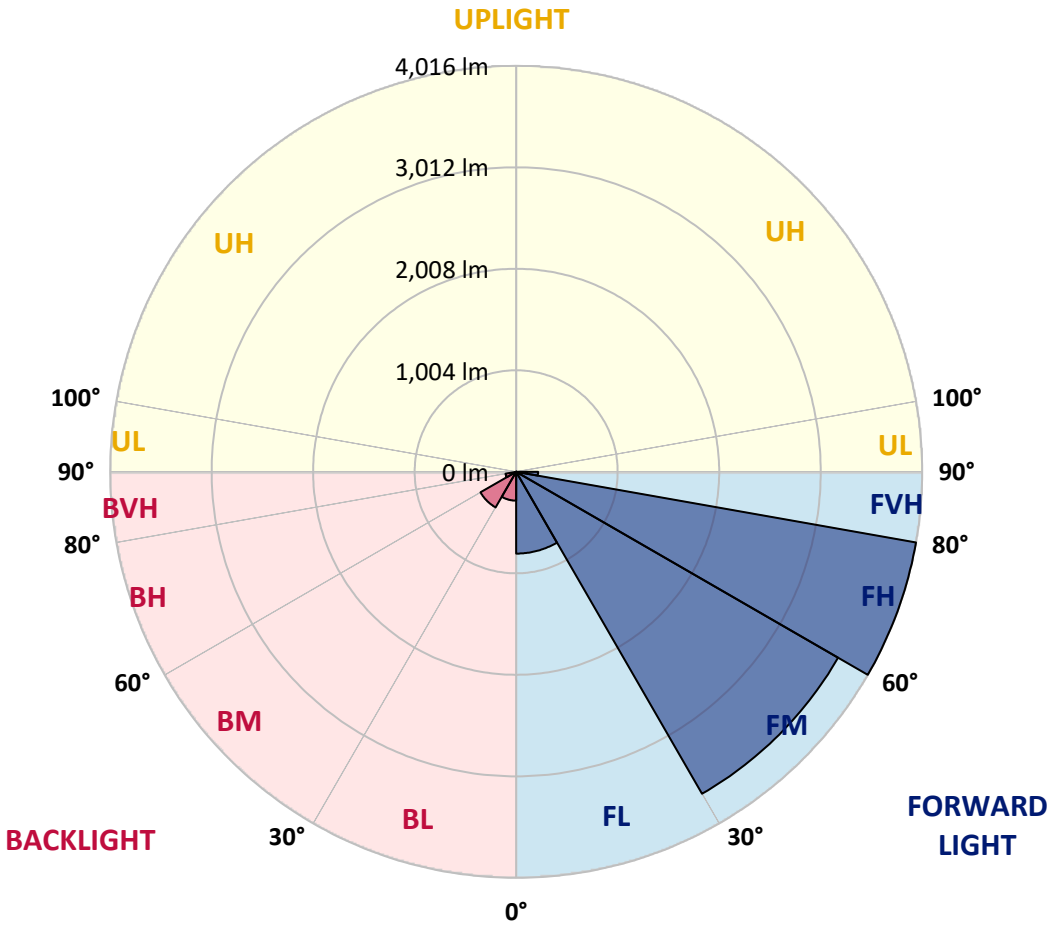
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	809.0	8.5			
FM	(30°-60°)	3677.0	38.6			
FH	(60°-80°)	4016.2	42.2			G2/5000
FVH	(80°-90°)	216.7	2.3			G2/225
BL	(0°-30°)	285.3	3.0	B1/500		
BM	(30°-60°)	406.8	4.3	B1/1000		
BH	(60°-80°)	107.0	1.1	B0/110		G0/110
BVH	(80°-90°)	2.0	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: P386948
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7
2.5°	1858.2	1858.6	1854.3	1847.2	1838.1	1833.3	1825.4	1812.8	1799.3	1775.2	1749.1
5°	1896.2	1896.2	1890.7	1881.2	1866.5	1862.2	1847.2	1827.0	1799.3	1760.2	1716.3
7.5°	1892.2	1893.0	1885.5	1875.6	1861.0	1857.1	1838.9	1816.3	1781.9	1734.5	1678.3
10°	1871.7	1873.7	1867.7	1863.0	1849.5	1845.2	1828.2	1805.7	1771.3	1720.6	1656.2
12.5°	1850.7	1852.7	1854.7	1859.0	1850.7	1849.1	1835.7	1816.7	1783.9	1731.3	1658.6
15°	1837.3	1841.2	1855.5	1872.5	1874.4	1872.9	1864.2	1846.4	1813.2	1758.6	1675.6
17.5°	1837.3	1843.6	1873.3	1905.7	1917.1	1918.3	1910.8	1885.9	1846.4	1787.9	1691.4
20°	1852.7	1861.4	1907.7	1953.5	1972.5	1972.5	1957.9	1923.1	1876.8	1814.4	1702.1
22.5°	1892.2	1903.7	1961.8	2014.8	2035.0	2030.6	2010.8	1960.2	1908.4	1844.4	1715.5
25°	1970.1	1978.8	2039.3	2092.7	2104.9	2095.1	2070.2	2005.3	1948.8	1885.1	1740.0
27.5°	2070.6	2071.7	2134.2	2179.3	2171.8	2165.0	2133.8	2061.9	2006.9	1943.2	1782.3
30°	2180.9	2180.9	2235.8	2270.2	2247.3	2241.7	2210.5	2130.3	2081.2	2022.3	1842.4
32.5°	2287.6	2292.4	2337.0	2358.8	2333.1	2327.5	2297.1	2216.8	2180.1	2142.9	1936.1
35°	2390.8	2394.4	2436.7	2448.5	2424.0	2425.6	2403.8	2335.8	2322.0	2317.3	2077.3
37.5°	2490.8	2491.6	2534.7	2542.2	2530.0	2543.4	2545.4	2485.3	2511.0	2549.3	2276.1
40°	2582.2	2582.9	2625.6	2645.0	2666.0	2683.4	2698.8	2666.8	2751.8	2840.7	2513.0
42.5°	2655.3	2663.6	2717.8	2754.5	2809.9	2843.1	2885.0	2883.4	3038.4	3172.1	2799.2
45°	2719.7	2734.0	2809.5	2873.9	2968.8	3021.8	3087.4	3138.8	3361.0	3540.9	3089.0
47.5°	2804.8	2818.2	2904.4	3009.9	3136.5	3206.1	3314.8	3425.9	3715.7	3903.1	3372.1
50°	2924.5	2918.6	3003.6	3155.0	3317.5	3408.9	3563.9	3730.3	4067.6	4218.6	3538.6
52.5°	3052.3	3049.9	3112.7	3312.8	3531.0	3637.8	3842.6	4045.0	4404.0	4436.0	3614.9
55°	3210.4	3193.4	3246.4	3492.7	3784.5	3899.1	4140.3	4356.6	4672.1	4558.6	3653.2
57.5°	3376.1	3348.0	3398.6	3693.1	4070.3	4205.9	4470.0	4660.2	4850.4	4642.4	3652.8
60°	3547.3	3514.0	3574.1	3943.8	4425.4	4582.3	4827.5	4865.4	5016.8	4684.7	3625.9
62.5°	3690.4	3670.6	3760.0	4211.9	4821.9	4976.1	5097.5	5052.0	5157.2	4717.6	3563.1
65°	3841.8	3843.0	3987.3	4524.6	5243.4	5347.4	5357.7	5294.0	5274.6	4710.8	3350.4
67.5°	4046.6	4065.6	4306.4	4949.2	5653.4	5733.7	5732.9	5556.1	5360.4	4443.6	2878.7
70°	4263.3	4307.9	4674.1	5435.1	6100.9	6182.4	6140.5	5723.0	5047.3	3593.1	2037.3
72.5°	4226.9	4304.4	4878.5	5741.6	6422.4	6484.5	6212.0	5313.0	3989.3	2088.3	867.4
75°	3261.0	3350.8	4473.2	5437.9	6085.1	6029.4	5337.5	4134.4	2180.1	582.8	195.3
77.5°	1722.6	1770.5	2955.0	4142.7	4744.8	4628.2	3760.0	2293.5	664.6	144.3	87.8
80°	902.2	913.3	1287.7	2350.5	2928.5	2929.3	2228.3	1007.4	274.0	73.9	58.9
82.5°	483.1	492.6	680.4	1086.1	1534.4	1390.9	853.2	554.3	159.3	41.9	56.5
85°	116.2	118.2	385.9	496.2	603.3	431.0	253.4	465.4	43.1	24.5	45.9
87.5°	44.7	45.5	143.1	214.7	153.8	99.6	118.6	173.6	5.5	9.5	7.1
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: P386948
CATALOG NUMBER: GPC-SA2C-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7
2.5°	1733.3	1723.0	1697.7	1665.7	1637.2	1616.7	1585.8	1565.7	1552.2	1551.8	1546.7
5°	1689.4	1668.5	1613.9	1549.1	1490.1	1437.2	1374.7	1325.3	1288.5	1282.6	1269.9
7.5°	1642.4	1608.0	1524.1	1422.9	1324.1	1223.7	1107.0	1034.7	972.6	943.0	939.8
10°	1613.5	1565.3	1446.3	1300.0	1145.0	981.7	829.1	723.5	647.2	625.5	609.3
12.5°	1607.6	1543.9	1386.2	1184.5	963.1	747.2	578.4	466.1	405.3	385.9	380.7
15°	1613.5	1534.0	1335.6	1070.3	778.9	530.2	388.3	323.0	300.1	294.6	294.2
17.5°	1617.1	1522.2	1278.2	943.4	600.2	378.8	297.3	278.3	274.8	274.4	275.2
20°	1616.7	1504.0	1209.8	801.8	446.4	297.7	268.9	264.9	264.1	264.5	264.1
22.5°	1613.9	1482.6	1134.7	655.9	337.3	266.1	256.6	254.2	253.8	253.8	253.8
25°	1619.0	1465.6	1052.1	516.4	277.9	251.5	245.5	243.5	243.2	243.2	242.4
27.5°	1637.6	1456.1	961.5	397.3	251.1	238.4	233.7	233.3	232.1	231.7	232.5
30°	1667.7	1456.1	862.3	309.2	234.8	225.0	221.4	220.6	220.2	219.8	220.2
32.5°	1720.6	1467.2	754.0	257.0	219.4	209.9	207.6	208.8	207.6	207.6	207.6
35°	1816.3	1500.4	640.5	224.2	203.2	195.3	192.9	194.5	193.7	193.7	193.3
37.5°	1955.9	1562.1	526.2	204.4	189.0	180.7	177.5	179.9	179.1	179.1	178.7
40°	2125.9	1651.9	417.5	189.4	175.1	166.5	163.7	164.9	162.9	162.9	163.7
42.5°	2335.8	1765.7	322.6	174.8	161.3	153.0	151.4	150.2	146.7	144.7	145.1
45°	2569.1	1884.3	251.5	160.5	148.3	141.5	139.2	136.0	130.1	126.1	126.5
47.5°	2777.5	1975.7	204.4	146.7	136.4	131.3	127.7	121.8	113.1	108.3	108.7
50°	2887.0	1989.5	174.0	132.8	125.3	120.2	115.1	106.0	95.7	90.5	90.1
52.5°	2915.1	1924.7	151.4	120.2	114.3	108.3	101.6	89.4	77.9	72.4	71.6
55°	2925.3	1825.8	131.3	108.3	102.4	95.7	87.0	73.1	62.5	56.9	56.5
57.5°	2891.3	1678.3	115.4	97.7	90.5	82.2	71.6	58.5	48.2	43.9	43.9
60°	2815.8	1478.7	103.2	86.2	78.3	68.8	57.7	45.5	36.0	32.4	32.4
62.5°	2665.2	1220.1	91.7	74.3	66.8	56.9	46.7	34.4	25.3	23.3	23.7
65°	2380.9	925.6	80.3	63.7	56.9	47.0	36.4	24.5	17.0	17.0	17.8
67.5°	1941.7	642.9	68.4	54.2	49.0	38.4	27.7	17.0	11.9	13.4	15.0
70°	1285.3	360.6	58.5	44.7	41.9	30.4	20.6	11.5	9.5	12.7	15.4
72.5°	*485.1*	*140.4*	*49.0*	*36.0*	*36.4*	*23.3*	*14.6*	*8.7*	*8.7*	*13.8*	*18.2*
75°	135.2	68.8	35.2	26.5	28.5	17.0	10.7	7.5	8.3	15.8	21.3
77.5°	79.5	50.6	22.9	15.4	19.4	11.9	7.1	5.9	7.1	13.4	20.6
80°	64.0	26.9	13.4	7.9	10.7	6.7	4.7	3.6	2.0	5.1	10.7
82.5°	64.0	16.2	6.3	5.5	5.5	3.6	2.4	1.6	0.4	0.0	2.8
85°	43.1	6.7	4.0	3.6	2.8	1.2	0.8	0.4	0.0	0.0	0.0
87.5°	7.1	2.8	1.6	0.8	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

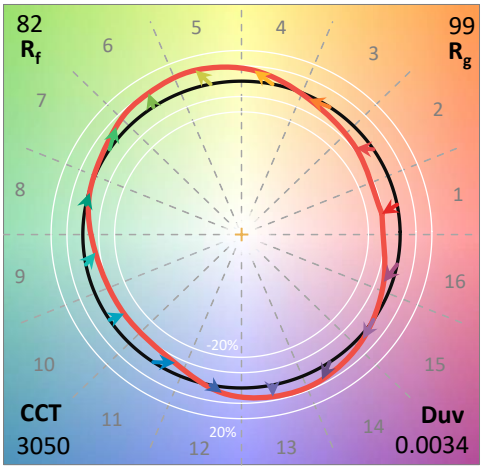
Test Information

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

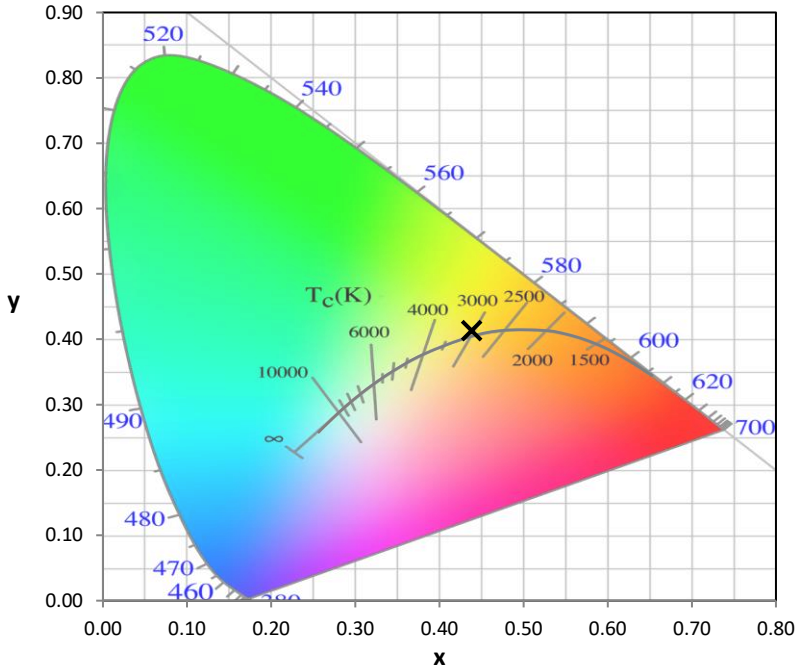
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

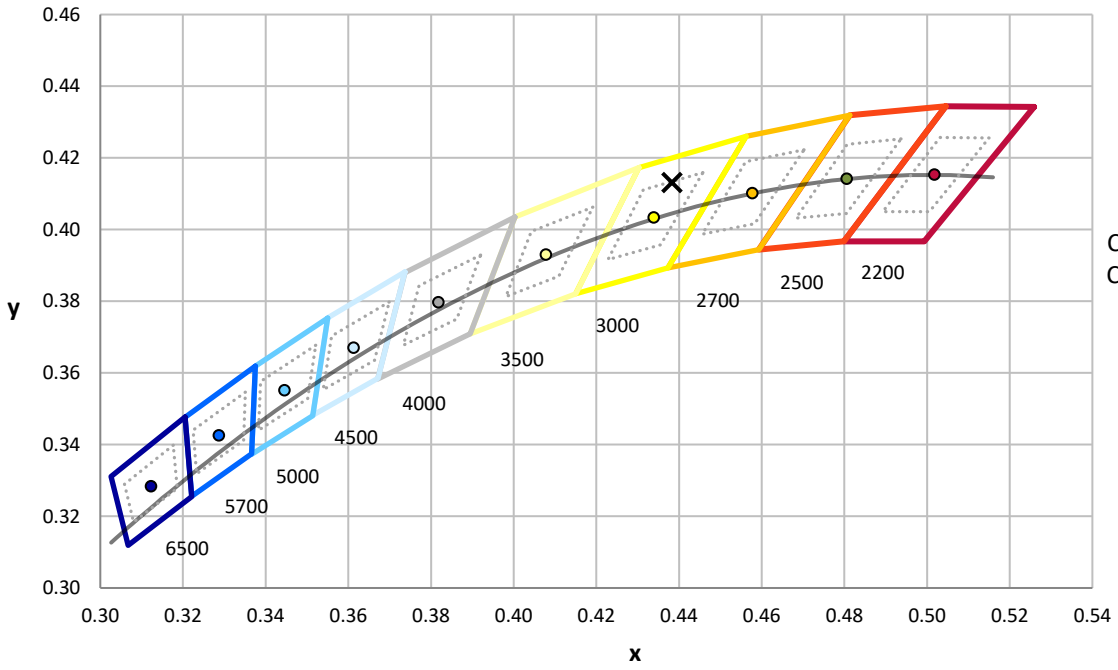
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

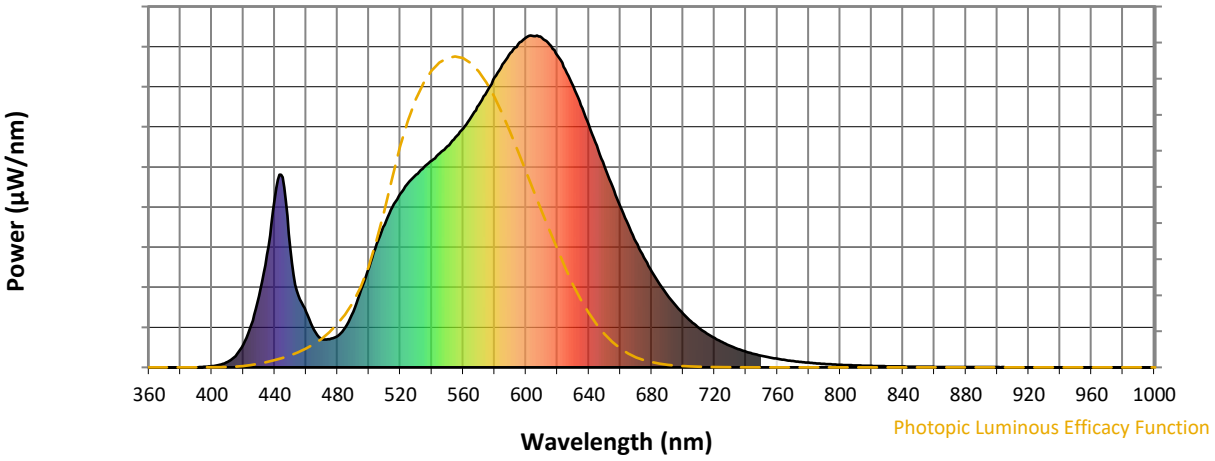


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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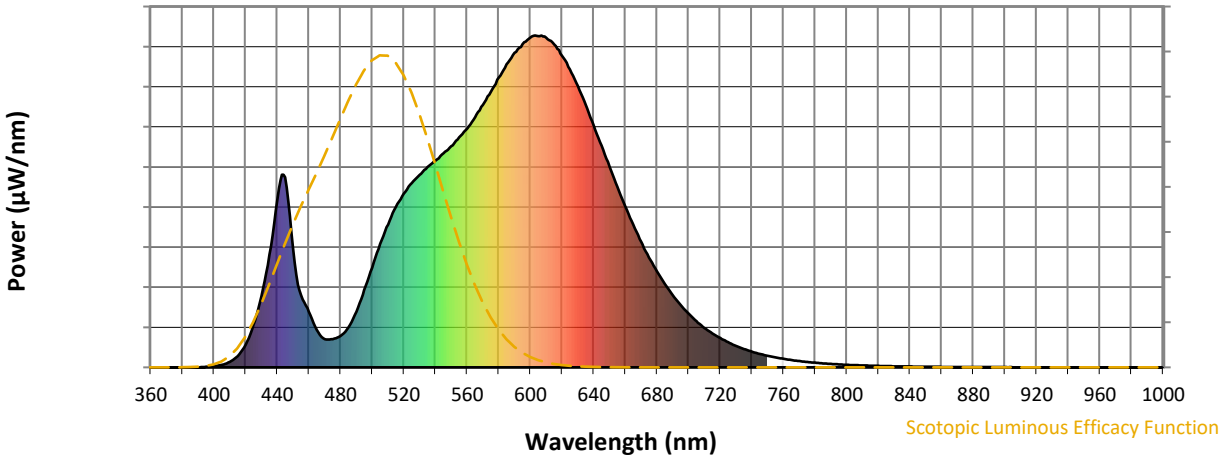
Scotopic Flux vs. Wavelength



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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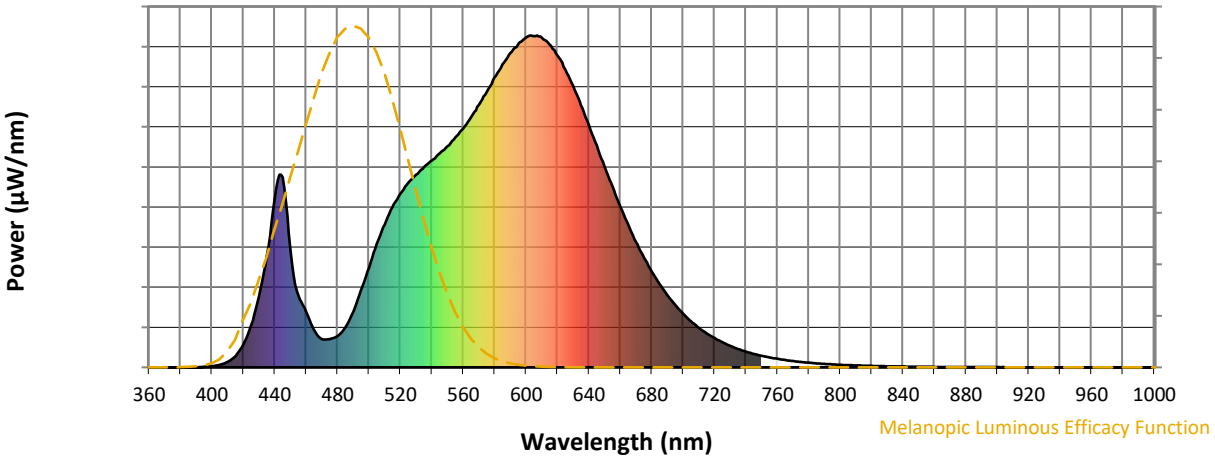
Melanopic Flux vs. Wavelength



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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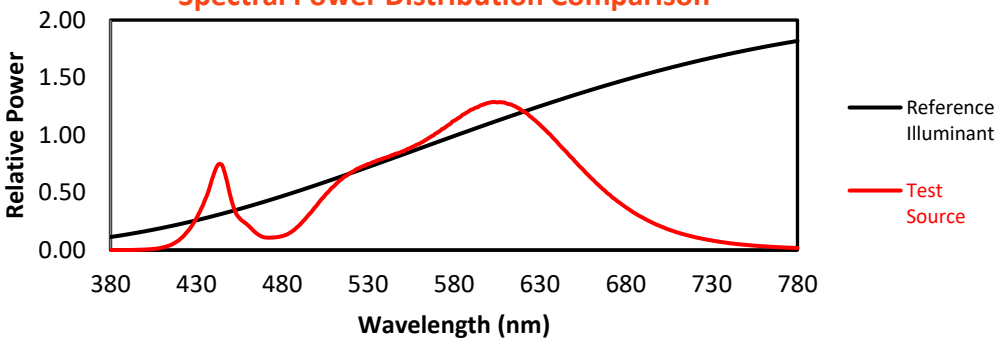
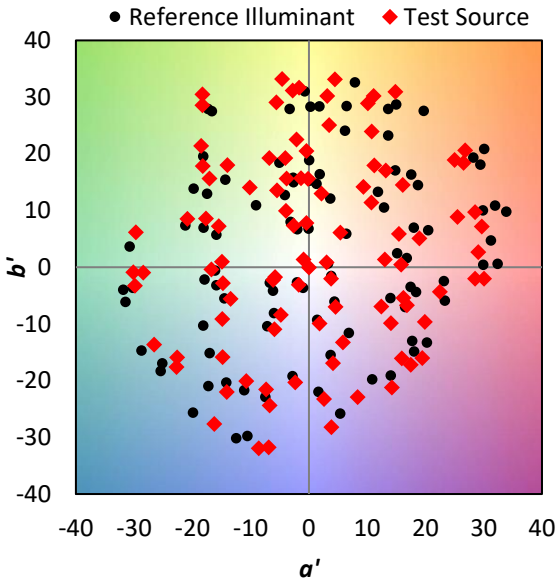
Summary

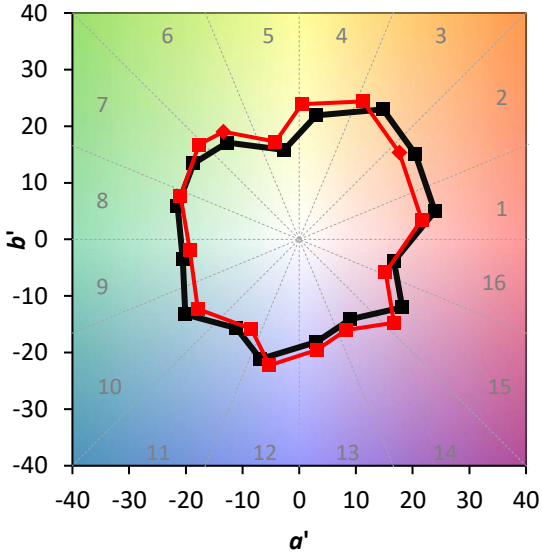
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

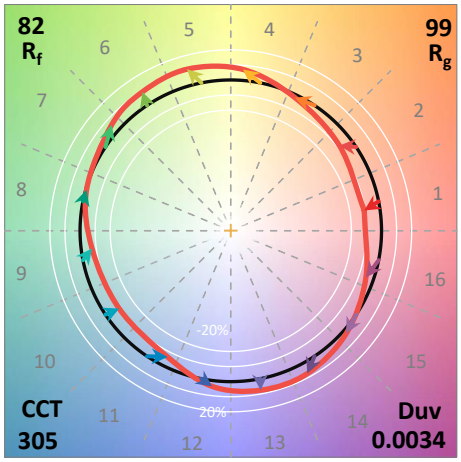
Spectral Power Distribution Comparison

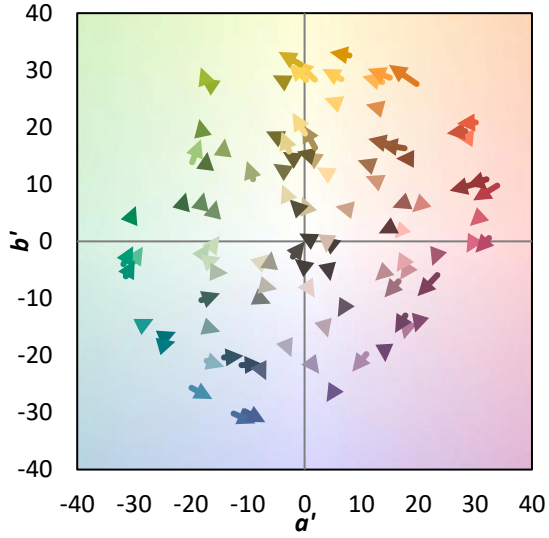


Color Vector Graphics









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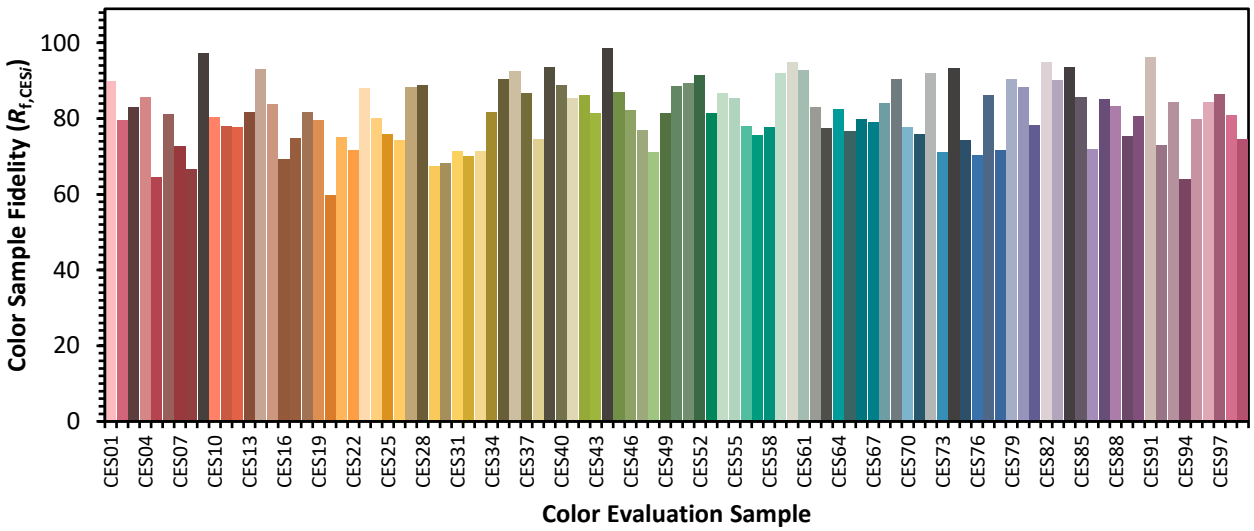
Individual Sample Fidelity Index ($R_{f,i}$)

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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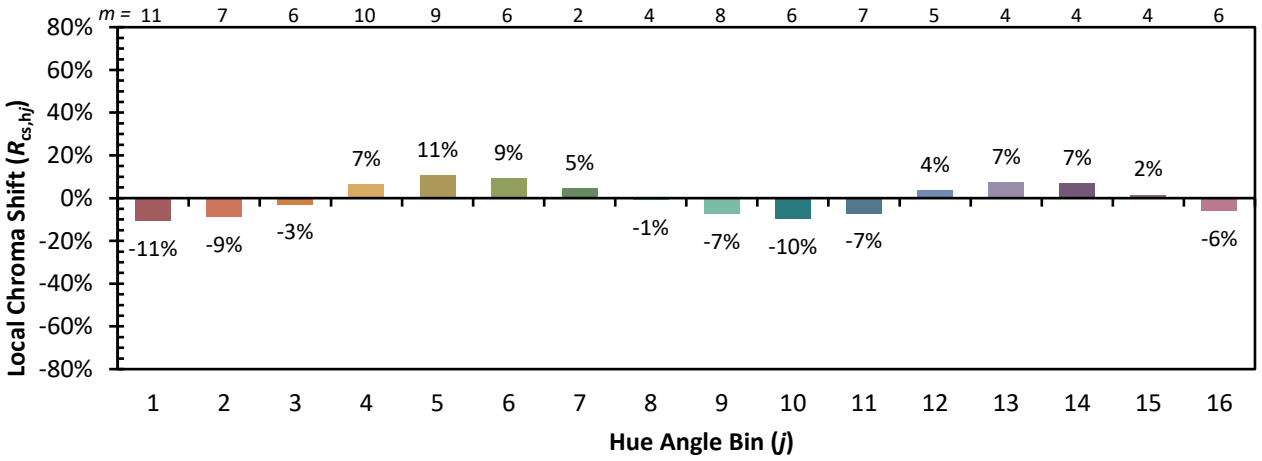
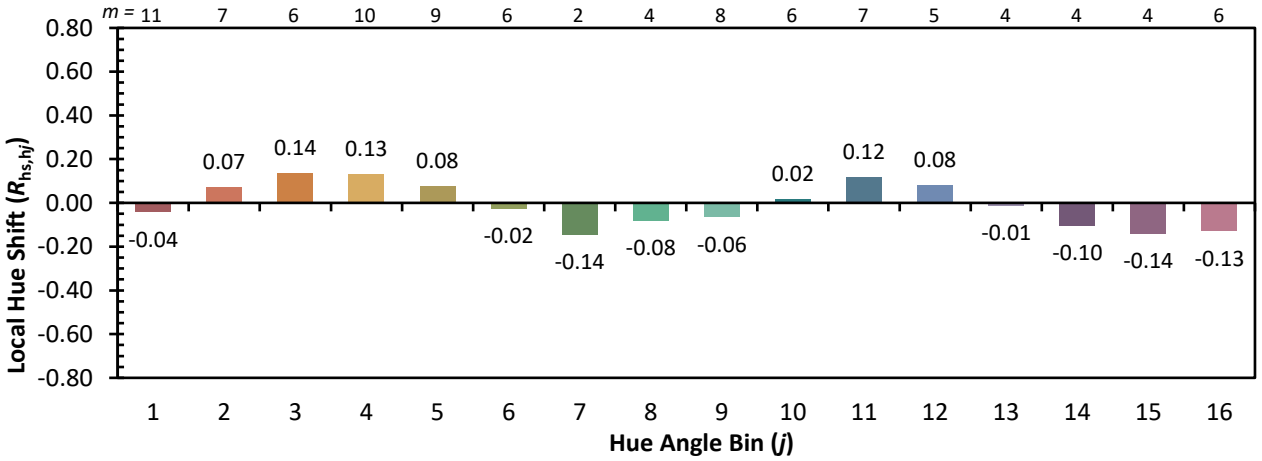
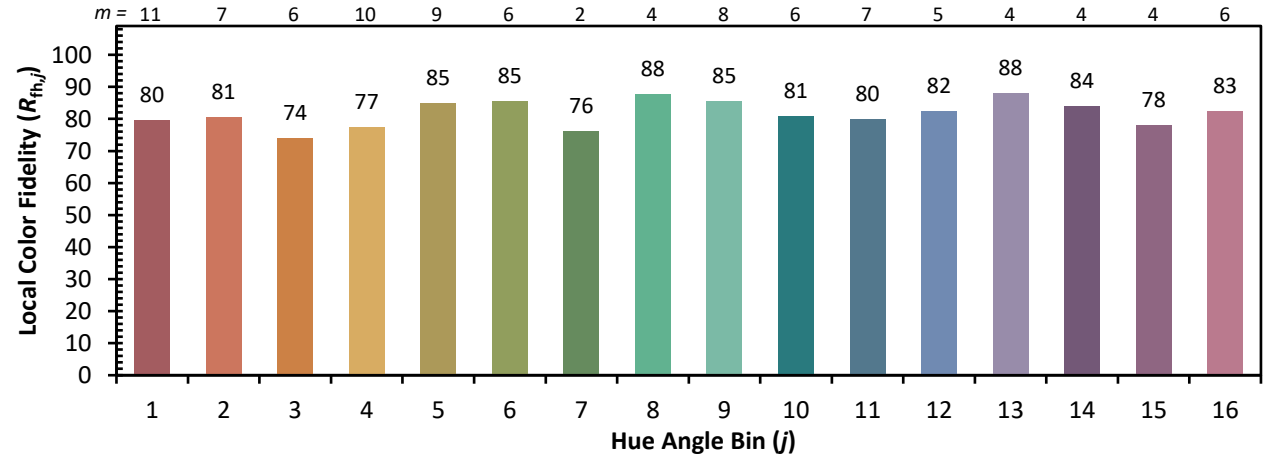
Color Rendition by Hue-Angle Bin







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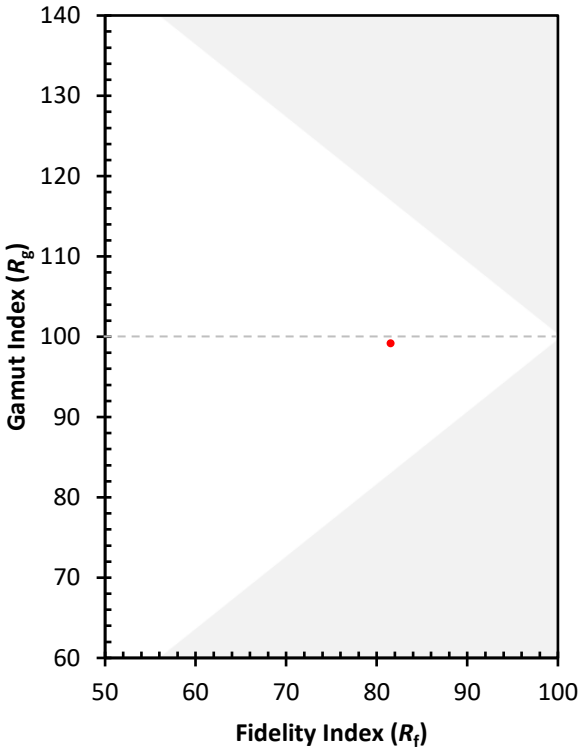
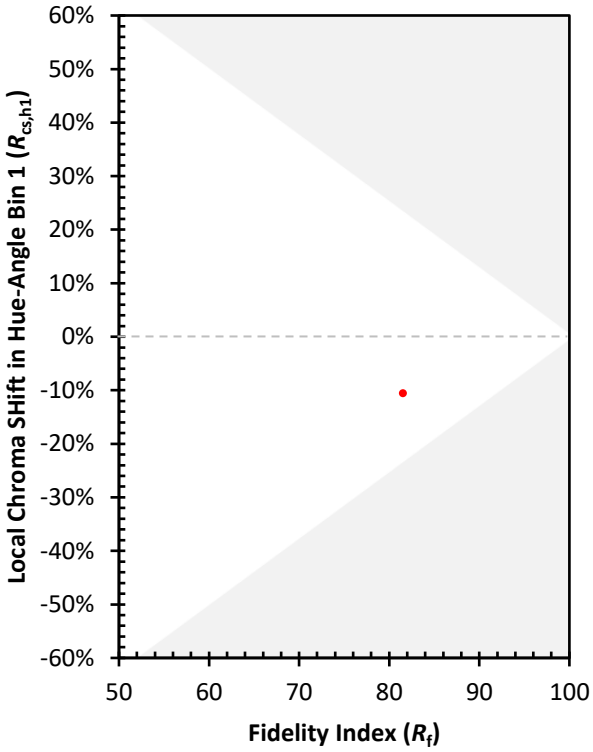
Measure Comparisons





(END OF REPORT)