Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P641970

Luminaire Tested: GWS-SA6B-830-U-T4FT-W

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P641970
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-T4FT-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16245.9 lumens
Efficiency:	N/A
Efficacy:	117.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	138.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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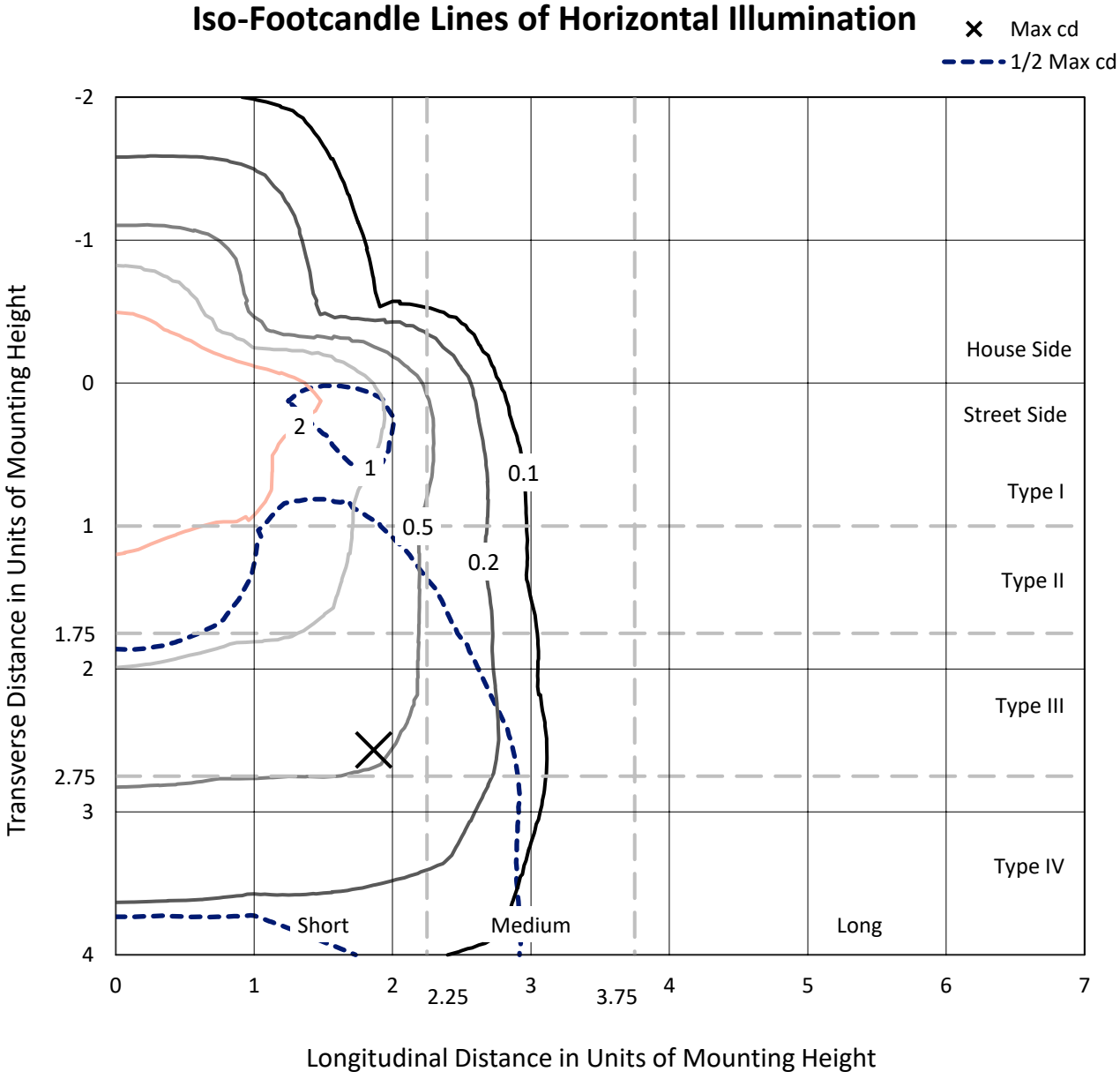
Scaled Data Report

REPORT NUMBER: P641970
CATALOG NUMBER: GWS-SA6B-830-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4 fc
Type IV - Short - N/A

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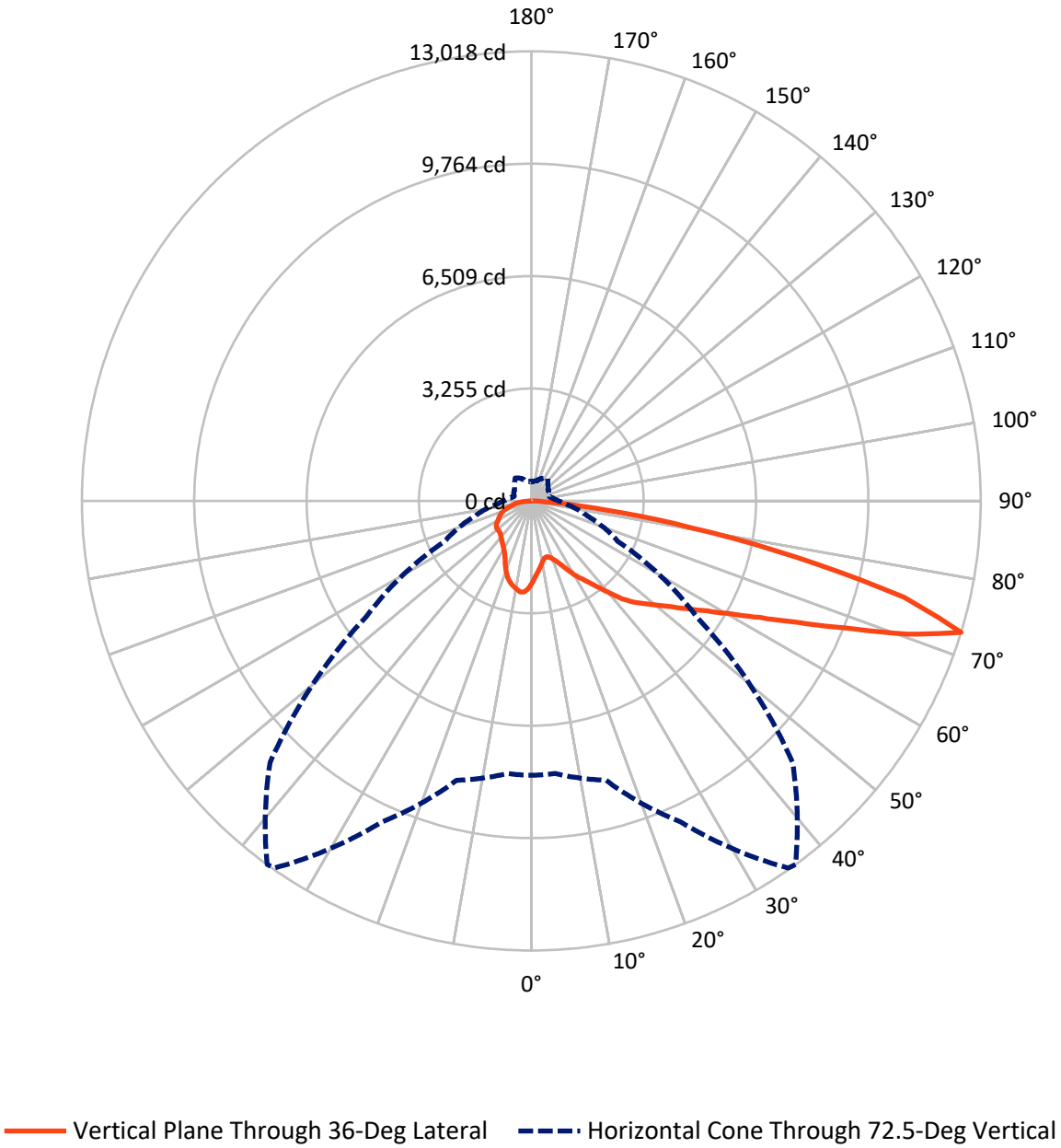
Luminous Intensity Polar Plot



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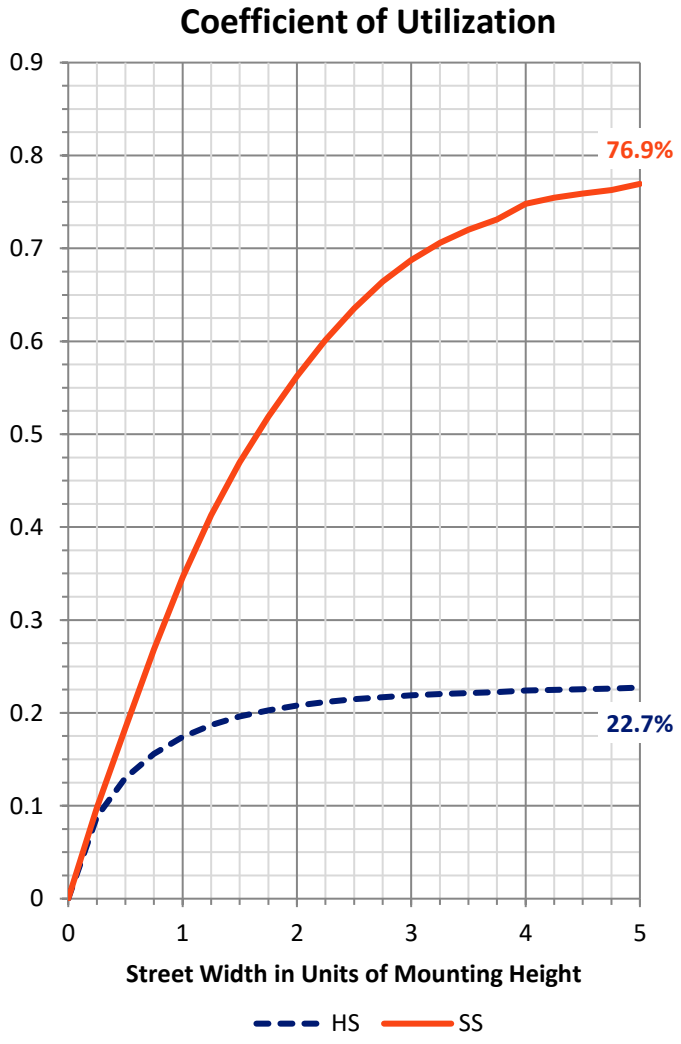
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3745.4	0.0	3745.4
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	12500.5	0.0	12500.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	16245.9	0.0	16245.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.2	1.4
10°-20°	627.0	3.9
20°-30°	1038.5	6.4
30°-40°	1555.2	9.6
40°-50°	2268.9	14.0
50°-60°	3229.3	19.9
60°-70°	4080.0	25.1
70°-80°	2907.4	17.9
80°-90°	317.4	2.0
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°	16245.9	100.0
0°-180°	16245.9	100.0



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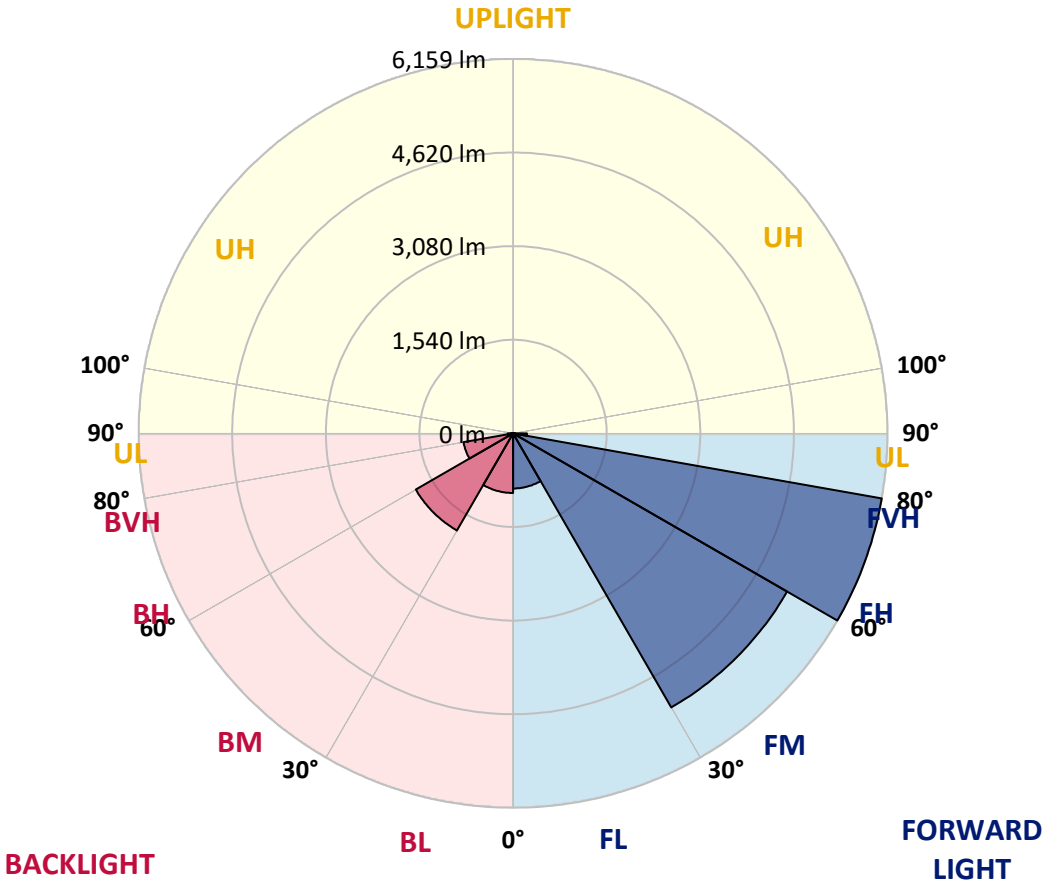
REPORT NUMBER: P641970
CATALOG NUMBER: GWS-SA6B-830-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	907.0	5.6			
FM	(30°-60°)	5206.4	32.0			
FH	(60°-80°)	6159.4	37.9			G3/7500
FVH	(80°-90°)	227.8	1.4			G3/500
BL	(0°-30°)	980.8	6.0	B2/1000		
BM	(30°-60°)	1847.0	11.4	B2/2500		
BH	(60°-80°)	828.0	5.1	B2/1000		G2/1000
BVH	(80°-90°)	89.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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Scaled Data Report

REPORT NUMBER: P641970
CATALOG NUMBER: GWS-SA6B-830-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2377.7	2377.7	2377.7	2377.7	2377.7	*2377.7*	2377.7	2377.7	2377.7	2377.7	2377.7
2.5°	2169.1	2165.5	2158.2	2179.9	2201.6	*2199.2*	2229.4	2258.3	2289.6	2322.2	2365.6
5°	1995.5	1993.0	1987.0	2019.6	2052.1	*2050.9*	2100.3	2147.4	2211.3	2281.2	2368.0
7.5°	1821.8	1815.8	1824.2	1865.2	1911.1	*1915.9*	1983.4	2060.6	2153.4	2258.3	2381.3
10°	1668.7	1667.5	1671.1	1716.9	1785.7	*1790.5*	1877.3	1984.6	2107.6	2247.4	2411.4
12.5°	1628.9	1626.5	1616.9	1639.8	1691.6	*1698.8*	1794.1	1925.5	2076.2	2253.5	2452.4
15°	1694.0	1688.0	1654.2	1643.4	1668.7	*1674.7*	1755.5	1890.6	2058.1	2264.3	2504.3
17.5°	1806.2	1802.5	1738.6	1694.0	1710.9	*1715.7*	1776.0	1884.5	2053.3	2286.0	2568.2
20°	1970.1	1954.5	1854.4	1786.9	1786.9	*1794.1*	1830.3	1911.1	2059.4	2312.6	2640.5
22.5°	2187.2	2155.8	2014.7	1923.1	1899.0	*1908.6*	1924.3	1977.4	2084.7	2357.2	2730.9
25°	2430.7	2401.8	2234.2	2105.2	2071.4	*2075.0*	2061.8	2071.4	2140.1	2418.7	2843.1
27.5°	2689.9	2670.6	2492.2	2328.2	2275.2	*2275.2*	2228.2	2205.2	2217.3	2488.6	2968.5
30°	2921.4	2894.9	2744.2	2564.5	2494.6	*2494.6*	2405.4	2356.0	2327.0	2574.2	3136.1
32.5°	3043.2	3027.5	2927.5	2790.0	2704.4	*2691.1*	2614.0	2556.1	2488.6	2700.8	3362.7
35°	3202.4	3198.7	3138.5	3031.2	2922.6	*2903.3*	2850.3	2804.5	2687.5	2858.7	3664.2
37.5°	3402.5	3396.5	3386.8	3322.9	3192.7	*3189.1*	3142.1	3086.6	2934.7	3086.6	4029.5
40°	3626.8	3615.9	3603.9	3602.7	3524.3	*3511.0*	3507.4	3444.7	3232.5	3361.5	4410.5
42.5°	3935.4	3898.1	3784.7	3835.4	3893.2	*3881.2*	3927.0	3833.0	3603.9	3688.3	4771.0
45°	4315.2	4223.6	3999.3	4013.8	4159.7	*4183.8*	4343.0	4320.1	4012.6	4065.7	5150.8
47.5°	4543.1	4463.5	4255.0	4242.9	4425.0	*4455.1*	4801.1	4844.5	4452.7	4520.2	5619.8
50°	4730.0	4674.5	4503.3	4520.2	4713.1	*4743.3*	5255.7	5348.5	4867.5	4985.6	6164.8
52.5°	4955.5	4875.9	4743.3	4822.8	5059.2	*5095.3*	5760.9	5861.0	5241.2	5496.8	6729.1
55°	5082.1	5049.5	5051.9	5173.7	5470.3	*5519.7*	6290.2	6273.3	5583.6	5934.5	7153.5
57.5°	5373.8	5361.8	5472.7	5518.5	5950.2	*6014.1*	6819.5	6674.8	5894.7	6273.3	7357.2
60°	5888.7	5858.5	5955.0	6024.9	6543.4	*6633.8*	7410.3	7067.9	6105.7	6525.3	7288.5
62.5°	6612.1	6574.7	6578.4	6689.3	7338.0	*7433.2*	8067.4	7395.8	6170.8	6563.9	6853.3
65°	7511.6	7457.3	7395.8	7546.5	8392.9	*8472.5*	8782.4	7634.6	6015.3	6192.5	5944.2
67.5°	8460.5	8415.9	8343.5	8659.4	9759.0	*9807.2*	9584.2	7614.1	5522.2	5199.0	4169.3
70°	8515.9	8526.8	8869.2	10012.2	11542.3	*11554.3*	10342.6	7201.7	4472.0	3370.0	2077.4
72.5°	*7944.4*	*7926.3*	*8372.5*	*10259.4*	*12977.1*	*13018.1*	*10700.7*	*5834.4*	*2763.5*	*1680.8*	*974.2*
75°	6453.0	6484.3	6953.3	8976.5	11122.7	*11158.8*	8723.3	3439.9	1313.0	822.3	623.4
77.5°	2778.0	2952.8	3877.6	6323.9	7966.1	*7854.0*	4496.1	1393.8	700.5	586.0	477.5
80°	801.8	870.5	1381.7	3007.0	4773.4	*4689.0*	1779.6	522.1	488.3	440.1	342.4
82.5°	259.2	287.0	506.4	1197.3	2138.9	*2136.5*	675.2	308.7	319.5	299.0	220.6
85°	72.3	83.2	155.5	362.9	661.9	*648.7*	195.3	145.9	170.0	172.4	109.7
87.5°	0.0	0.0	1.2	2.4	2.4	*2.4*	4.8	21.7	49.4	62.7	44.6
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: P641970
CATALOG NUMBER: GWS-SA6B-830-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2377.7	2377.7	2377.7	2377.7	2377.7	2377.7	2377.7	2377.7	2377.7	2377.7	2377.7
2.5°	2392.1	2388.5	2437.9	2476.5	2512.7	2536.8	2544.0	2548.9	2558.5	2563.3	2558.5
5°	2409.0	2427.1	2509.1	2569.4	2617.6	2646.5	2647.7	2645.3	2652.6	2646.5	2642.9
7.5°	2445.2	2480.1	2583.8	2647.7	2679.1	2680.3	2651.4	2617.6	2600.7	2586.2	2581.4
10°	2493.4	2545.3	2658.6	2700.8	2691.1	2646.5	2582.6	2529.6	2499.4	2477.7	2472.9
12.5°	2559.7	2617.6	2724.9	2723.7	2663.4	2583.8	2509.1	2445.2	2401.8	2376.5	2368.0
15°	2622.4	2696.0	2773.1	2716.5	2621.2	2524.8	2428.3	2342.7	2284.8	2245.0	2237.8
17.5°	2699.6	2778.0	2808.1	2693.6	2568.2	2444.0	2315.0	2202.8	2124.5	2077.4	2073.8
20°	2788.8	2858.7	2825.0	2653.8	2499.4	2336.7	2161.8	2036.4	1952.0	1906.2	1909.8
22.5°	2892.5	2943.1	2829.8	2599.5	2404.2	2184.7	1989.4	1868.9	1812.2	1788.1	1789.3
25°	3003.4	3036.0	2821.4	2526.0	2258.3	1999.1	1812.2	1756.7	1751.9	1745.9	1748.3
27.5°	3134.8	3127.6	2796.0	2422.3	2061.8	1783.2	1688.0	1702.5	1721.8	1719.3	1721.8
30°	3310.9	3242.2	2763.5	2278.8	1827.9	1602.4	1614.4	1655.4	1680.8	1683.2	1690.4
32.5°	3512.2	3368.8	2711.6	2083.5	1604.8	1501.1	1545.7	1595.2	1625.3	1631.3	1641.0
35°	3752.2	3513.4	2620.0	1839.9	1444.4	1440.8	1481.8	1515.6	1548.1	1550.5	1550.5
37.5°	4028.3	3658.1	2474.1	1571.0	1345.6	1389.0	1427.6	1434.8	1443.2	1436.0	1439.6
40°	4281.5	3798.0	2266.7	1326.3	1264.8	1343.2	1375.7	1351.6	1325.1	1307.0	1310.6
42.5°	4493.7	3893.2	1991.8	1155.1	1182.8	1302.2	1327.5	1278.1	1226.2	1192.4	1197.3
45°	4732.4	3981.3	1668.7	1039.3	1112.9	1273.2	1290.1	1226.2	1159.9	1109.3	1102.0
47.5°	5061.6	4160.9	1381.7	958.5	1063.4	1257.6	1285.3	1198.5	1111.7	1035.7	1027.3
50°	5467.9	4415.3	1141.8	905.5	1040.5	1249.1	1284.1	1168.3	1064.6	975.4	969.4
52.5°	5911.6	4663.7	964.6	864.5	1017.6	1223.8	1278.1	1134.6	1015.2	918.8	911.5
55°	6207.0	4761.3	845.2	825.9	980.2	1184.0	1253.9	1102.0	940.5	852.4	841.6
57.5°	6293.8	4636.0	762.0	790.9	932.0	1128.5	1208.1	1033.3	894.6	824.7	816.3
60°	6144.3	4320.1	710.2	762.0	879.0	1057.4	1128.5	993.5	858.5	795.8	789.7
62.5°	5722.3	3833.0	670.4	731.9	824.7	982.7	1077.9	945.3	818.7	769.2	760.8
65°	4873.5	3143.3	637.8	700.5	772.9	911.5	1022.4	897.0	775.3	737.9	728.2
67.5°	3408.5	2207.7	602.9	663.1	721.0	842.8	964.6	852.4	730.7	702.9	693.3
70°	1666.3	1170.7	560.7	619.7	665.6	772.9	906.7	798.2	671.6	655.9	642.6
72.5°	*793.4*	*654.7*	*511.2*	*560.7*	*589.6*	*680.0*	*810.2*	*719.8*	*601.6*	*567.9*	*545.0*
75°	531.7	465.4	446.1	490.7	498.0	570.3	694.5	620.9	530.5	491.9	472.6
77.5°	402.7	355.7	375.0	414.8	400.3	469.0	571.5	553.4	478.7	443.7	434.1
80°	283.3	259.2	297.8	321.9	311.1	399.1	514.8	473.8	394.3	355.7	348.5
82.5°	178.4	173.6	219.4	223.1	226.7	315.9	423.2	372.6	306.3	252.0	233.9
85°	89.2	98.9	131.4	131.4	130.2	162.8	241.1	209.8	165.2	131.4	127.8
87.5°	30.1	42.2	56.7	45.8	35.0	27.7	31.3	38.6	41.0	39.8	39.8
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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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

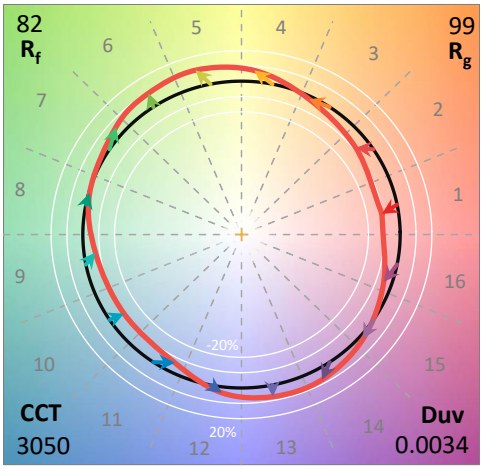
Test Information

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

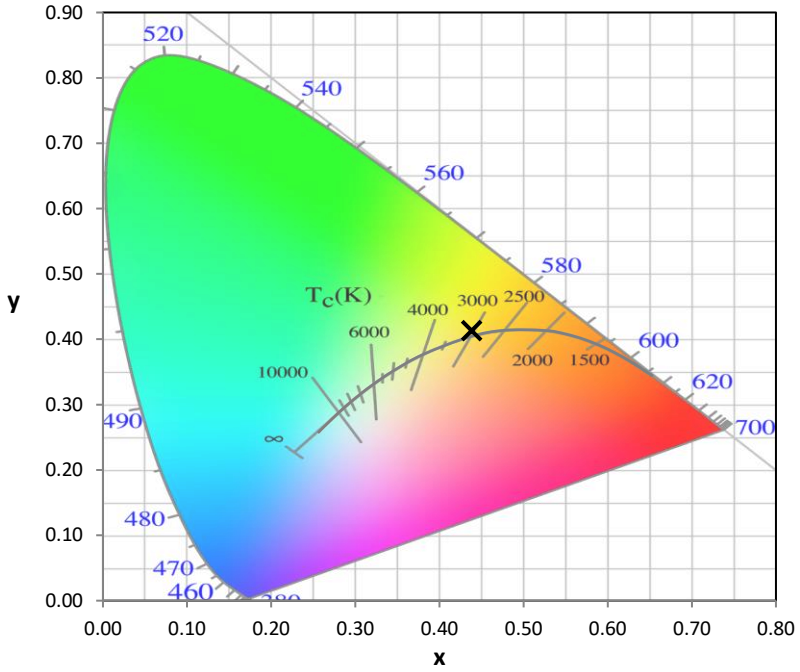
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

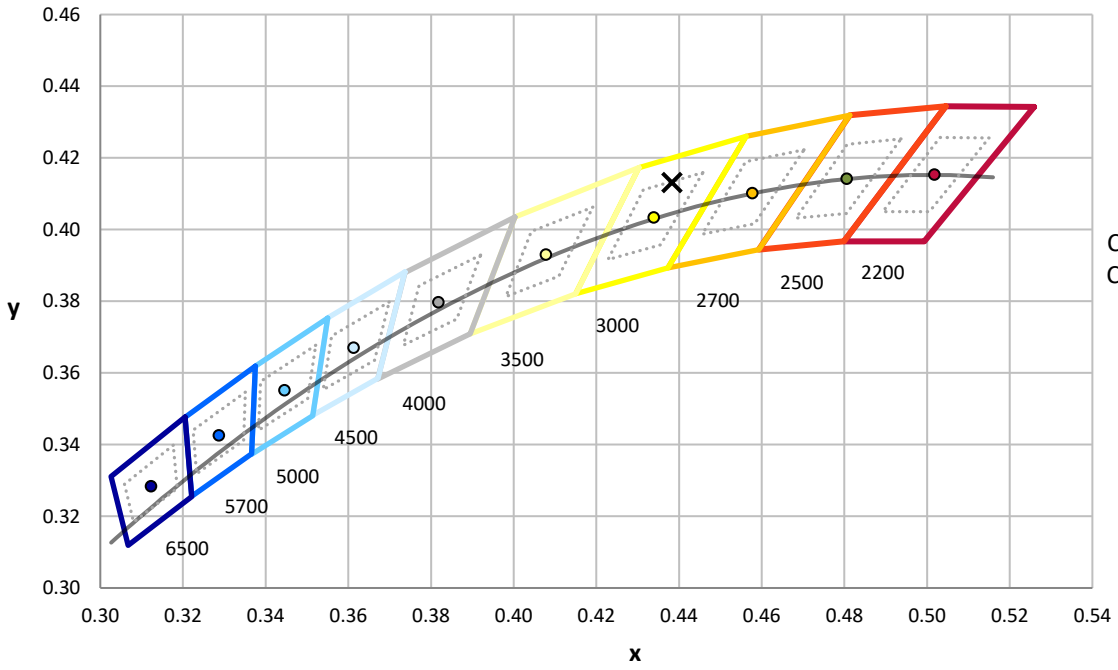
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

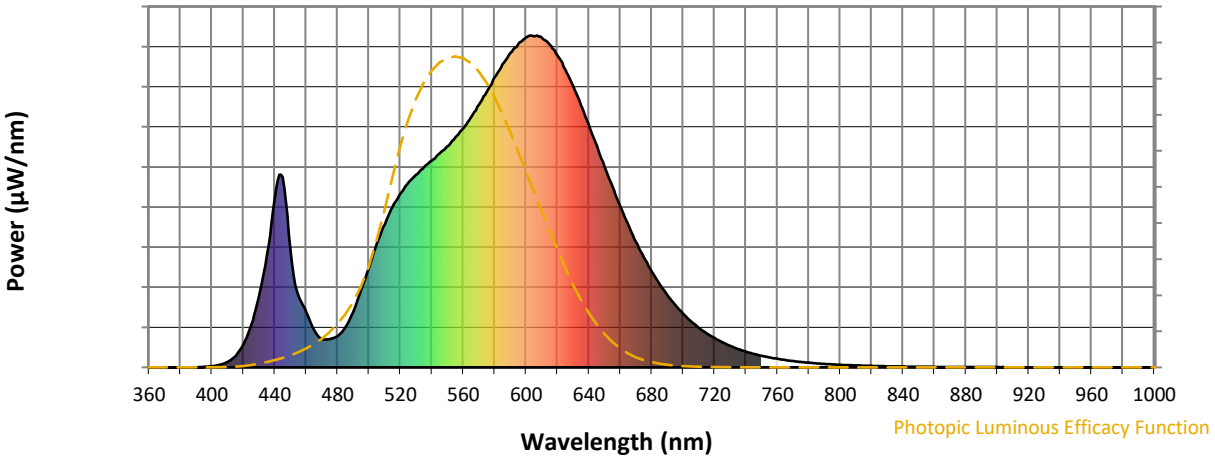


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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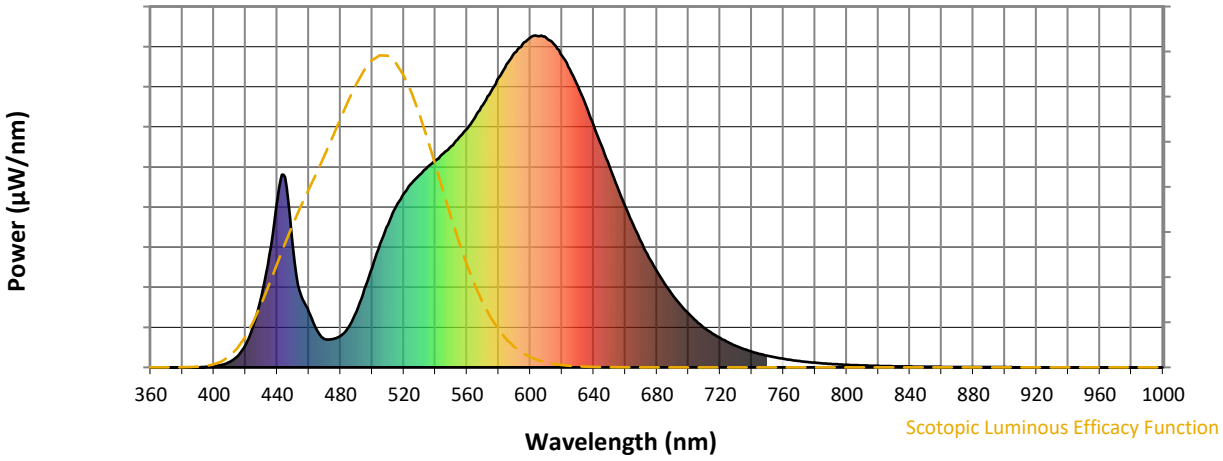
Scotopic Flux vs. Wavelength



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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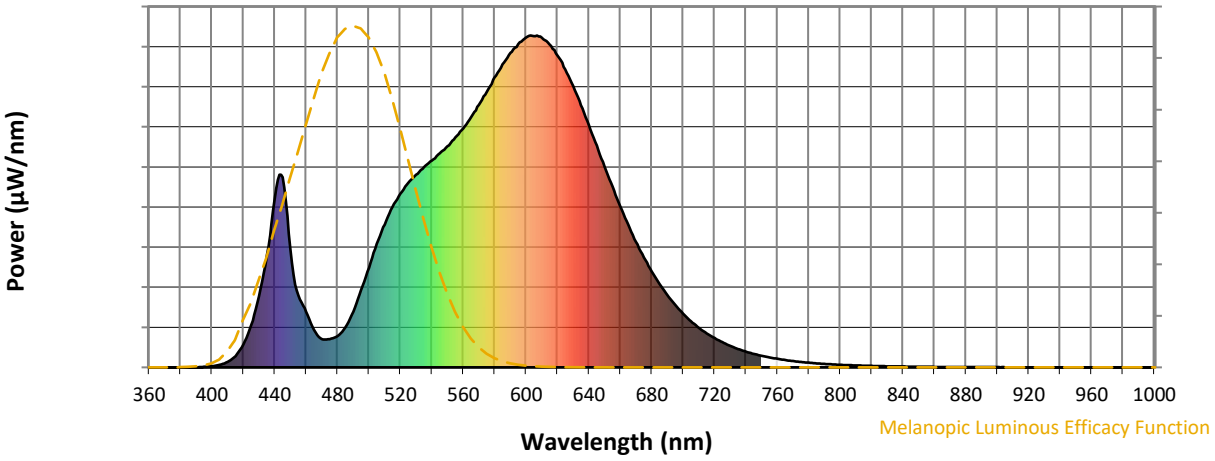
Melanopic Flux vs. Wavelength



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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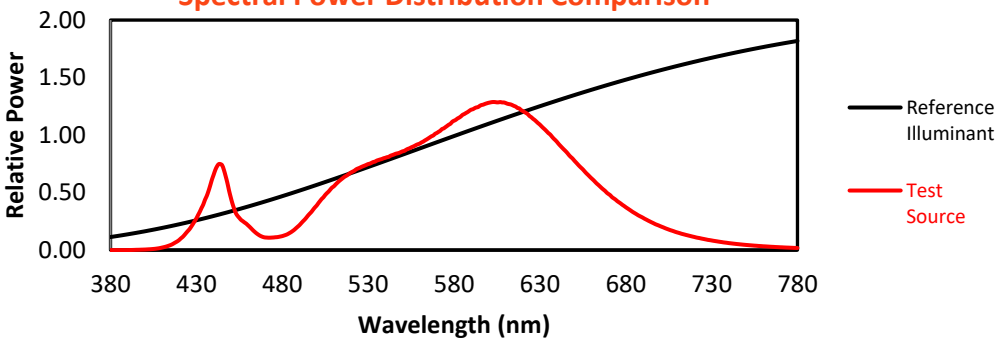
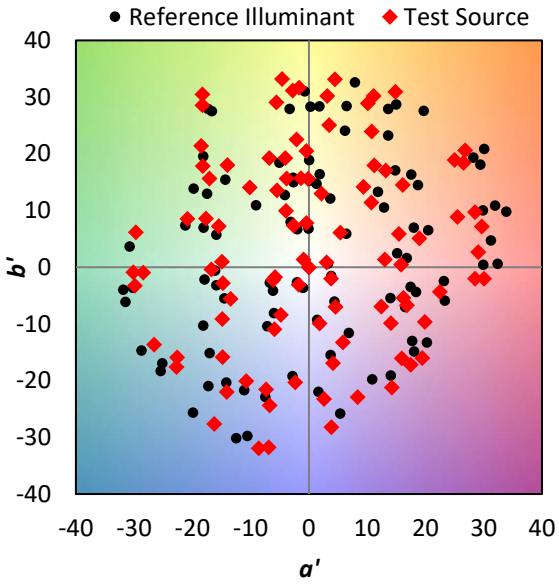
Summary

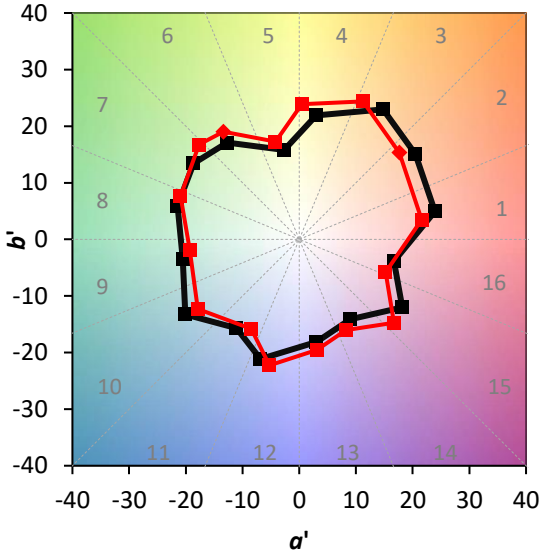
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

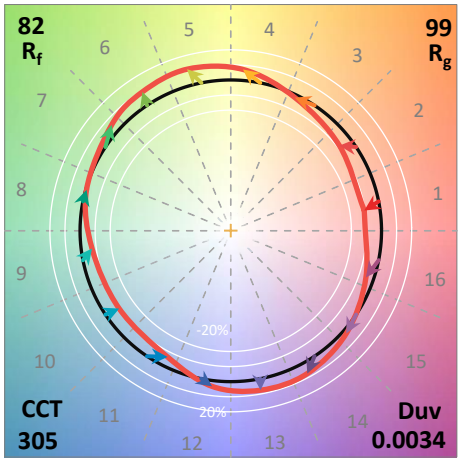
Spectral Power Distribution Comparison

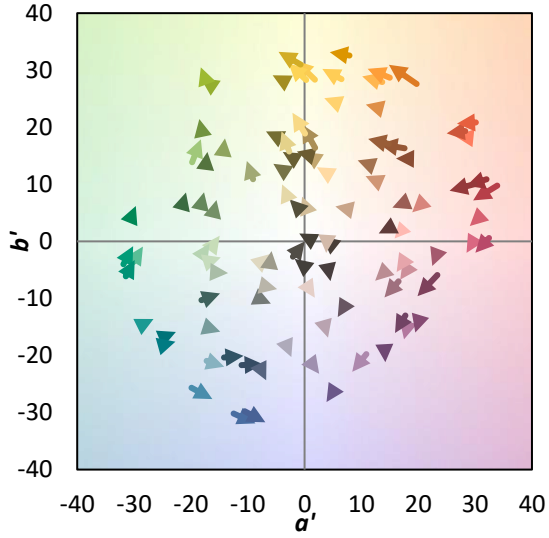


Color Vector Graphics









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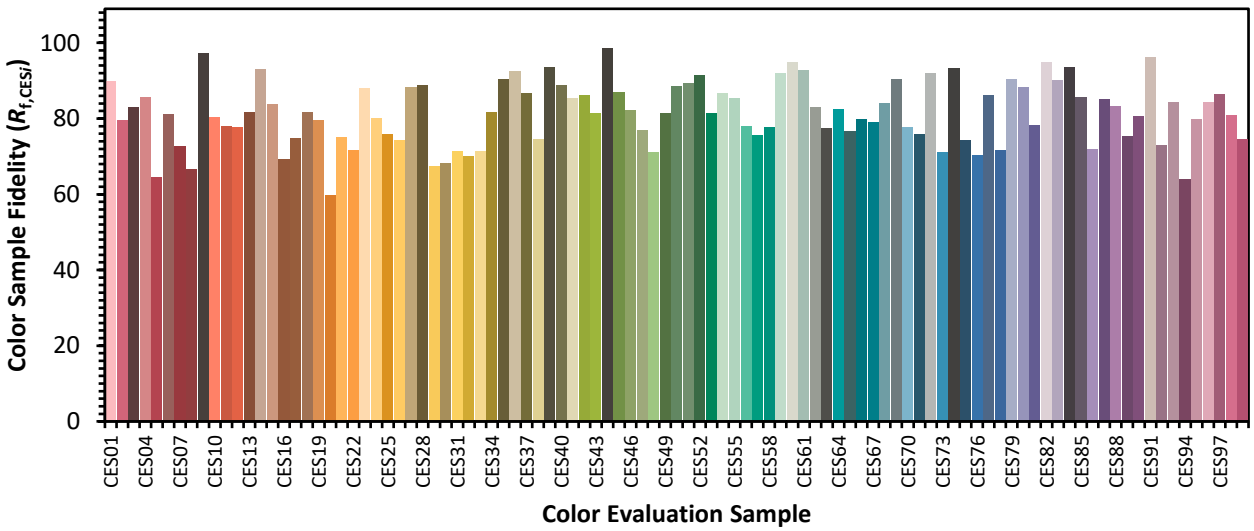
Individual Sample Fidelity Index ($R_{f,i}$)

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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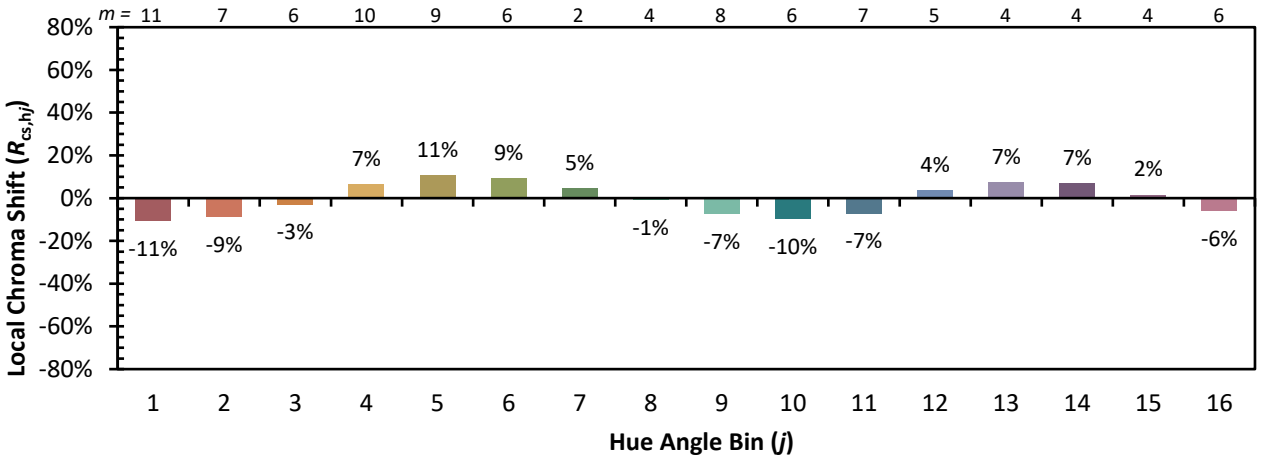
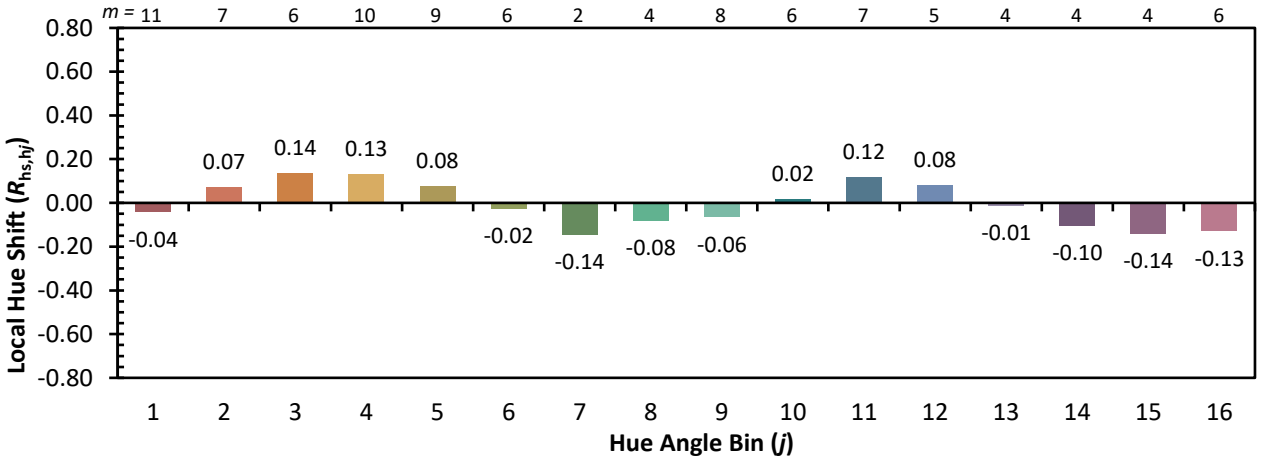
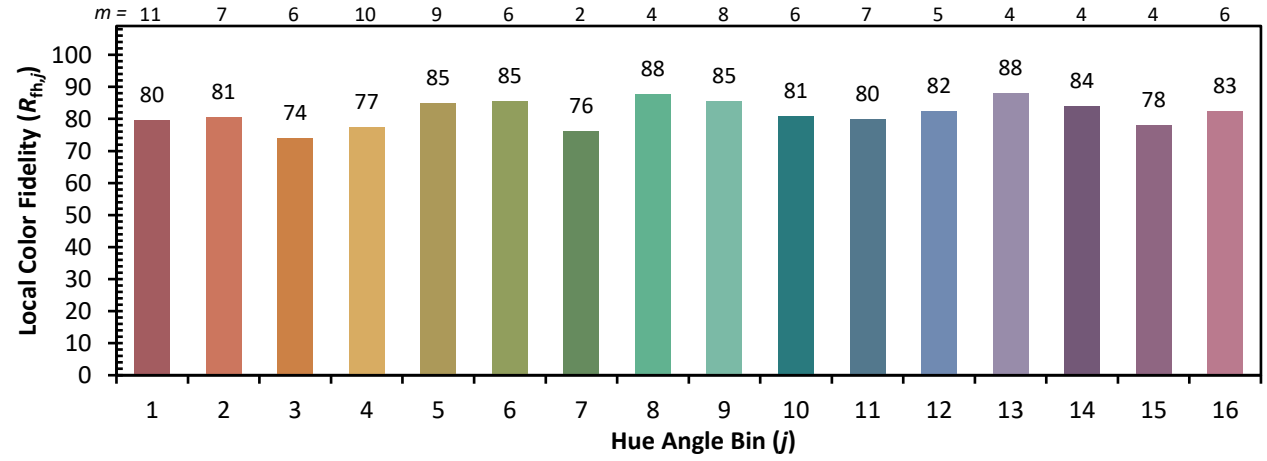
Color Rendition by Hue-Angle Bin







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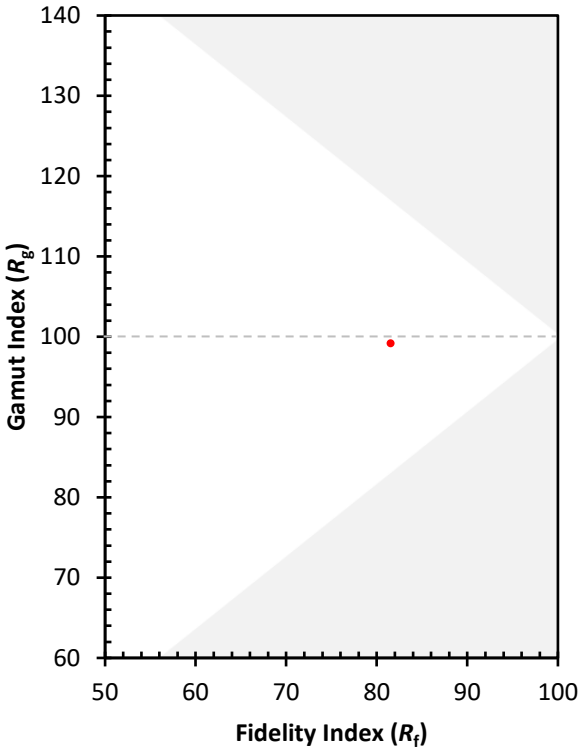
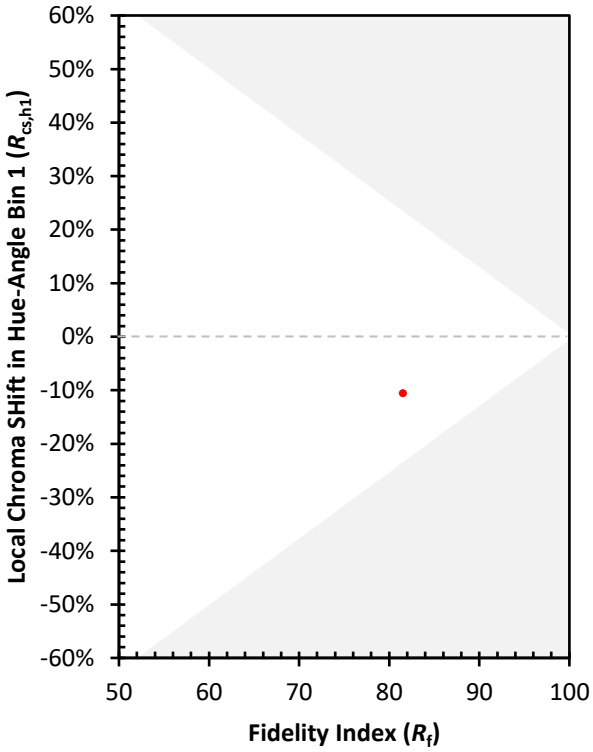
Measure Comparisons





(END OF REPORT)