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: P641933

Luminaire Tested: GWS-SA6B-830-U-RW-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:	P641933
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-RW-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17314.2 lumens
Efficiency:	N/A
Efficacy:	124.7 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B4 - U0 - G4

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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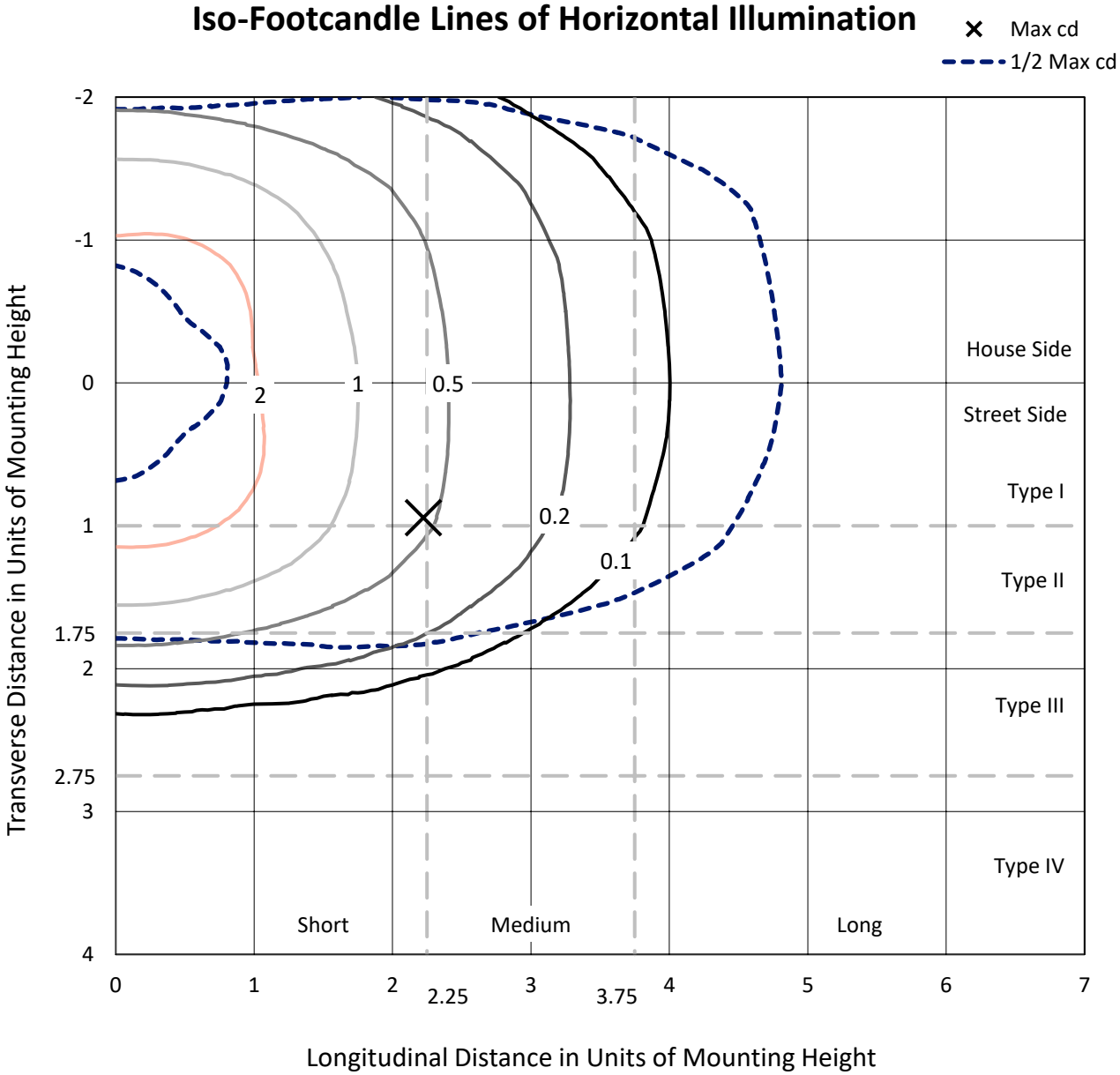
Scaled Data Report

REPORT NUMBER: P641933
CATALOG NUMBER: GWS-SA6B-830-U-RW-W

Iso-Footcandle Lines of Horizontal Illumination



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

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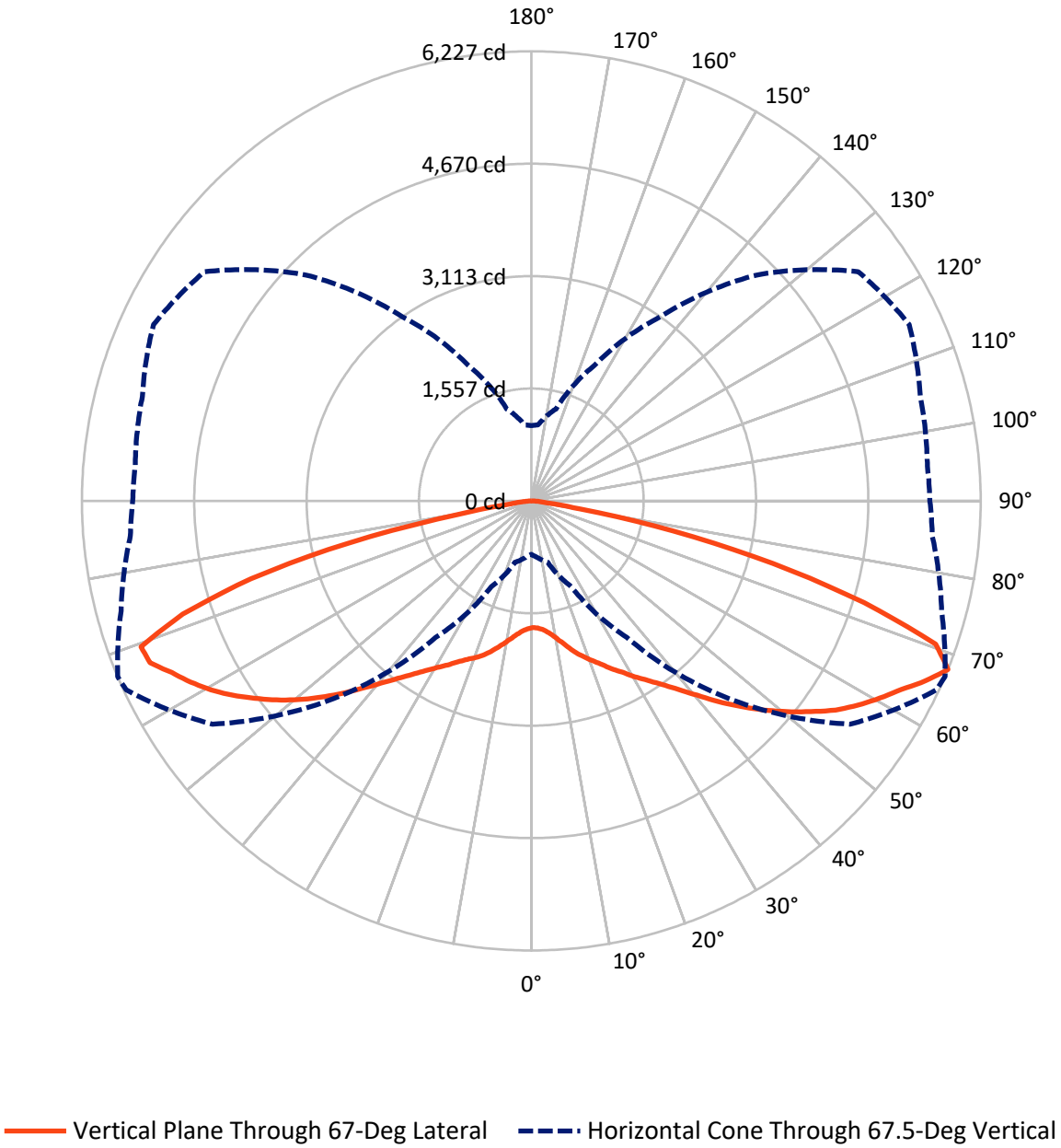
CATALOG NUMBER: GWS-SA6B-830-U-RW-W

Luminous Intensity Polar Plot



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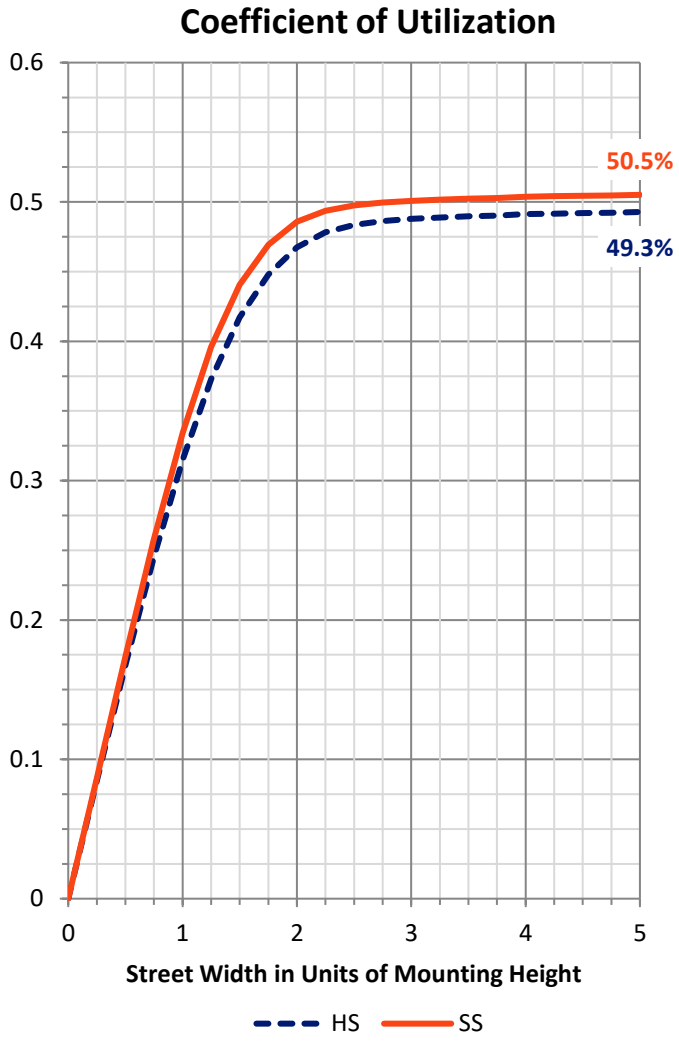
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8561.6	0.0	8561.6
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	8752.6	0.0	8752.6
	% Fixture	50.6	0.0	50.6
Total	Lumens	17314.2	0.0	17314.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.0	1.0
10°-20°	581.1	3.4
20°-30°	1140.1	6.6
30°-40°	1942.4	11.2
40°-50°	3119.1	18.0
50°-60°	4238.2	24.5
60°-70°	4054.1	23.4
70°-80°	1927.5	11.1
80°-90°	139.7	0.8
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°	17314.2	100.0
0°-180°	17314.2	100.0



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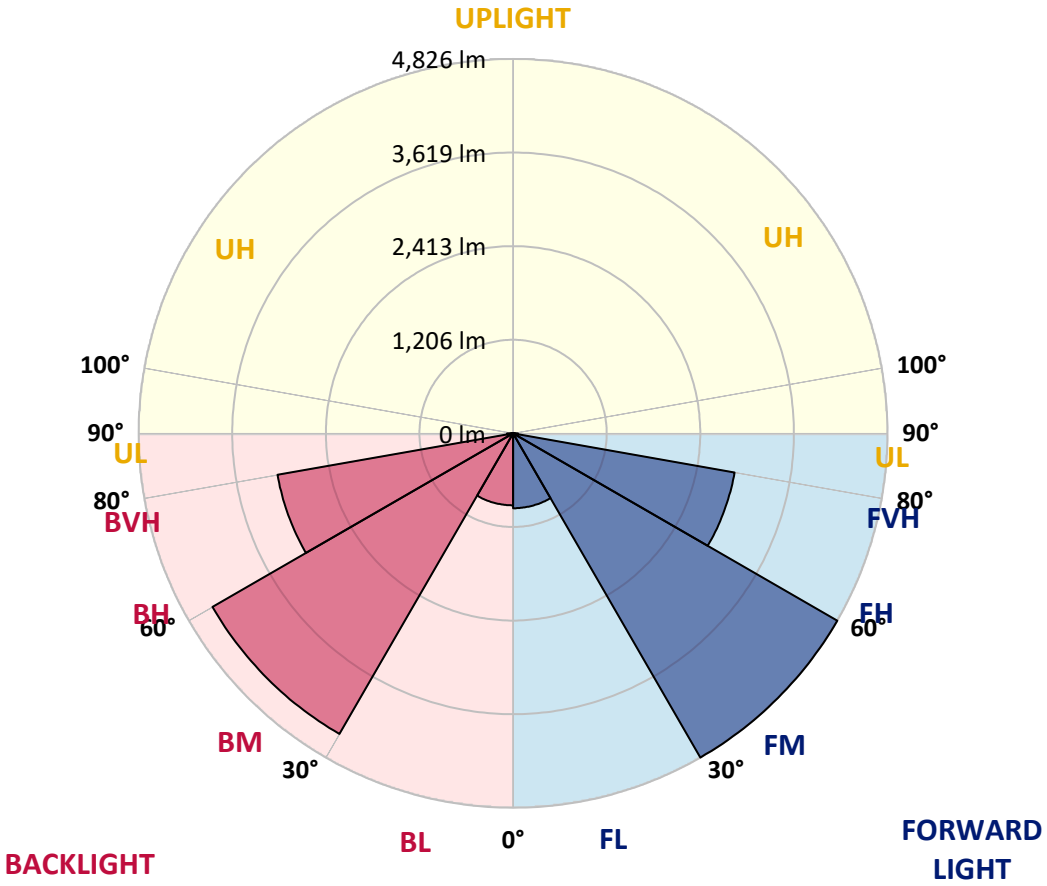
CATALOG NUMBER: GWS-SA6B-830-U-RW-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	965.4	5.6			
FM	(30°-60°)	4825.6	27.9			
FH	(60°-80°)	2898.8	16.7			G2/5000
FVH	(80°-90°)	62.8	0.4			G1/100
BL	(0°-30°)	927.8	5.4	B2/1000		
BM	(30°-60°)	4474.1	25.8	B3/5000		
BH	(60°-80°)	3082.8	17.8	B4/5000		G4/5000
BVH	(80°-90°)	76.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type III Short



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REPORT NUMBER: P641933
CATALOG NUMBER: GWS-SA6B-830-U-RW-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2
2.5°	1717.0	1719.4	1723.0	1730.3	1737.5	1748.3	1759.2	1758.0	1762.8	1766.4	1770.0
5°	1707.3	1709.8	1715.8	1725.4	1736.3	1754.4	1777.3	1786.9	1794.2	1807.4	1819.5
7.5°	1727.8	1732.7	1741.1	1754.4	1771.2	1794.2	1825.5	1842.4	1853.2	1877.4	1897.8
10°	1755.6	1761.6	1778.5	1803.8	1829.1	1864.1	1903.9	1929.2	1936.4	1967.8	2006.4
12.5°	1782.1	1789.3	1817.1	1862.9	1908.7	1955.7	2002.7	2034.1	2036.5	2078.7	2122.1
15°	1824.3	1830.3	1867.7	1926.8	1996.7	2061.8	2119.7	2141.4	2151.1	2181.2	2235.5
17.5°	1917.1	1924.4	1972.6	2036.5	2110.1	2178.8	2236.7	2254.8	2254.8	2280.1	2324.7
20°	2017.2	2024.5	2088.4	2170.3	2259.6	2329.5	2374.1	2357.2	2351.2	2358.4	2389.8
22.5°	2129.4	2142.6	2204.1	2299.4	2409.1	2494.7	2517.6	2467.0	2450.1	2433.2	2440.4
25°	2272.8	2288.5	2348.8	2450.1	2557.4	2647.8	2661.1	2582.7	2573.1	2514.0	2492.3
27.5°	2438.0	2450.1	2524.8	2624.9	2725.0	2801.0	2815.4	2719.0	2686.4	2604.4	2553.8
30°	2651.4	2662.3	2727.4	2826.3	2913.1	2966.1	2984.2	2851.6	2826.3	2700.9	2622.5
32.5°	2884.2	2889.0	2955.3	3050.5	3127.7	3178.4	3153.0	2998.7	2961.3	2820.2	2712.9
35°	3150.6	3150.6	3236.2	3313.4	3374.9	3389.4	3341.1	3165.1	3121.7	2968.6	2834.7
37.5°	3412.3	3419.5	3499.1	3590.7	3645.0	3642.6	3554.5	3361.6	3312.2	3145.8	2997.5
40°	3695.6	3711.3	3790.9	3893.4	3945.2	3938.0	3802.9	3588.3	3537.7	3341.1	3196.4
42.5°	3956.1	3981.4	4074.2	4179.1	4235.8	4231.0	4089.9	3848.8	3799.3	3577.5	3432.8
45°	4163.5	4190.0	4305.7	4451.6	4542.1	4533.6	4391.3	4118.8	4058.6	3825.8	3666.7
47.5°	4345.5	4373.3	4502.3	4656.6	4800.1	4814.6	4684.3	4391.3	4327.4	4092.3	3912.7
50°	4485.4	4498.7	4643.3	4812.1	4978.5	5059.3	4946.0	4665.0	4587.9	4355.2	4152.6
52.5°	4474.5	4492.6	4671.1	4900.2	5123.2	5255.9	5177.5	4923.1	4848.3	4595.1	4397.4
55°	4253.9	4272.0	4484.2	4818.2	5204.0	5399.3	5390.9	5169.0	5114.8	4839.9	4651.8
57.5°	3931.9	3971.7	4182.7	4543.3	5097.9	5513.9	5547.7	5393.3	5336.6	5079.8	4903.8
60°	3355.6	3408.7	3652.2	4120.0	4757.9	5475.3	5715.3	5582.6	5547.7	5302.9	5131.7
62.5°	2438.0	2476.6	2801.0	3414.7	4253.9	5200.4	5856.3	5777.9	5751.4	5503.0	5337.9
65°	1460.2	1548.2	1808.6	2415.1	3431.6	4681.9	5779.2	6033.6	6005.8	5709.2	5513.9
67.5°	739.1	778.9	881.4	1309.4	2307.8	3874.1	5392.1	6192.7	6226.5	5885.3	5576.6
70°	458.2	469.0	498.0	646.3	1152.7	2545.3	4409.4	5777.9	5943.1	5857.5	5413.8
72.5°	367.8	370.2	375.0	402.7	553.4	1190.1	2787.7	4525.2	4823.0	5470.5	5181.1
75°	305.1	306.3	307.5	315.9	344.8	485.9	1356.5	3109.6	3458.1	4649.4	4803.7
77.5°	244.8	238.7	243.6	247.2	254.4	271.3	467.8	1659.1	2012.4	3051.8	3714.9
80°	159.2	156.7	166.4	170.0	177.2	188.1	249.6	563.1	683.7	1110.5	1181.6
82.5°	85.6	80.8	101.3	97.7	101.3	109.7	147.1	206.2	231.5	335.2	283.4
85°	26.5	26.5	27.7	32.6	39.8	38.6	63.9	101.3	112.1	143.5	106.1
87.5°	4.8	4.8	4.8	4.8	4.8	6.0	13.3	20.5	27.7	49.4	37.4
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: P641933
CATALOG NUMBER: GWS-SA6B-830-U-RW-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2	1753.2
2.5°	1777.3	1766.4	1772.5	1776.1	1774.9	1772.5	1760.4	1758.0	1752.0	1742.3	1739.9
5°	1830.3	1818.3	1819.5	1815.9	1803.8	1788.1	1761.6	1748.3	1737.5	1725.4	1724.2
7.5°	1913.5	1900.3	1896.6	1879.8	1846.0	1809.8	1767.6	1743.5	1725.4	1709.8	1707.3
10°	2019.6	2006.4	1994.3	1954.5	1899.1	1850.8	1795.4	1760.4	1733.9	1714.6	1711.0
12.5°	2137.8	2126.9	2096.8	2038.9	1972.6	1915.9	1859.3	1815.9	1777.3	1748.3	1744.7
15°	2269.2	2245.1	2199.3	2124.5	2061.8	2016.0	1947.3	1888.2	1826.7	1788.1	1779.7
17.5°	2360.9	2340.4	2286.1	2213.8	2164.3	2124.5	2043.7	1959.3	1876.1	1819.5	1807.4
20°	2426.0	2404.3	2342.8	2289.7	2274.0	2240.3	2146.2	2048.6	1952.1	1882.2	1866.5
22.5°	2473.0	2450.1	2387.4	2360.9	2382.6	2376.5	2284.9	2174.0	2059.4	1976.2	1956.9
25°	2517.6	2495.9	2440.4	2450.1	2508.0	2526.0	2427.2	2298.2	2167.9	2070.3	2047.4
27.5°	2559.8	2532.1	2506.8	2559.8	2641.8	2675.6	2570.7	2424.8	2283.7	2183.6	2165.5
30°	2624.9	2592.4	2588.7	2665.9	2796.1	2825.1	2709.3	2563.4	2423.6	2322.3	2299.4
32.5°	2706.9	2676.8	2679.2	2794.9	2945.6	2969.8	2870.9	2734.6	2594.8	2493.5	2462.1
35°	2817.8	2780.5	2801.0	2943.2	3095.2	3139.8	3060.2	2946.9	2810.6	2706.9	2671.9
37.5°	2971.0	2916.7	2958.9	3108.4	3261.6	3327.9	3266.4	3182.0	3046.9	2942.0	2909.5
40°	3166.3	3121.7	3138.6	3303.8	3461.7	3541.3	3502.7	3419.5	3285.7	3175.9	3138.6
42.5°	3397.8	3353.2	3347.2	3523.2	3681.2	3801.7	3764.3	3688.4	3549.7	3424.3	3388.2
45°	3624.5	3583.5	3591.9	3771.6	3948.8	4080.3	4042.9	3953.7	3802.9	3658.2	3629.3
47.5°	3860.8	3827.0	3834.3	4024.8	4220.1	4351.5	4304.5	4196.0	4020.0	3865.6	3830.7
50°	4103.2	4064.6	4075.4	4275.6	4486.6	4610.8	4538.4	4378.1	4183.9	4033.2	4003.1
52.5°	4344.3	4298.5	4326.2	4515.5	4733.8	4832.6	4698.8	4504.7	4316.6	4167.1	4133.3
55°	4621.6	4573.4	4543.3	4745.8	4961.7	5002.7	4819.4	4592.7	4369.6	4199.6	4179.1
57.5°	4874.8	4833.8	4777.2	4979.7	5138.9	5108.8	4912.2	4568.6	4240.6	4022.4	3993.4
60°	5101.5	5066.6	5017.1	5189.5	5261.9	5194.4	4837.5	4282.8	3922.3	3694.4	3681.2
62.5°	5310.1	5272.7	5226.9	5374.0	5364.4	5207.6	4497.4	3843.9	3361.6	3116.9	3095.2
65°	5475.3	5441.5	5428.3	5544.0	5528.4	4948.4	3968.1	3125.3	2456.1	2180.0	2171.6
67.5°	*5522.3*	*5509.1*	*5580.2*	*5776.7*	*5532.0*	*4427.5*	*3112.0*	*2072.7*	*1319.1*	*1057.4*	*1041.8*
70°	5346.3	5345.1	5548.9	5829.8	5030.4	3382.1	1836.4	934.5	663.2	588.4	578.8
72.5°	5117.2	5113.6	5275.2	5029.2	3730.6	1850.8	772.9	500.4	414.8	394.3	394.3
75°	4741.0	4731.4	4853.1	3825.8	2098.0	696.9	410.0	343.6	325.6	321.9	321.9
77.5°	3864.4	3783.6	3591.9	2364.5	731.9	342.4	271.3	270.1	259.2	258.0	258.0
80°	1270.9	1270.9	1477.0	901.9	323.1	211.0	191.7	201.4	190.5	183.3	182.1
82.5°	207.4	285.8	406.3	258.0	174.8	131.4	118.2	125.4	131.4	104.9	104.9
85°	82.0	107.3	156.7	120.6	80.8	53.1	56.7	62.7	55.5	48.2	47.0
87.5°	31.3	38.6	55.5	28.9	16.9	9.6	6.0	6.0	4.8	4.8	4.8
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

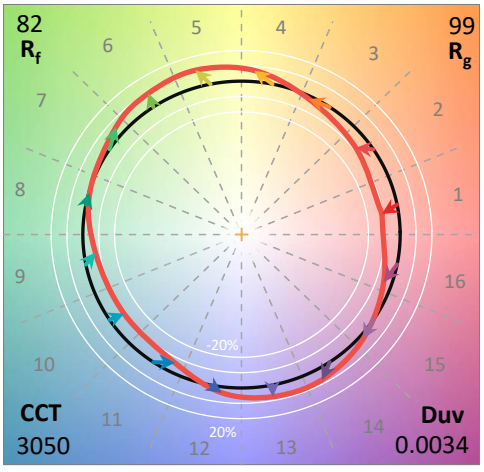
Test Information

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

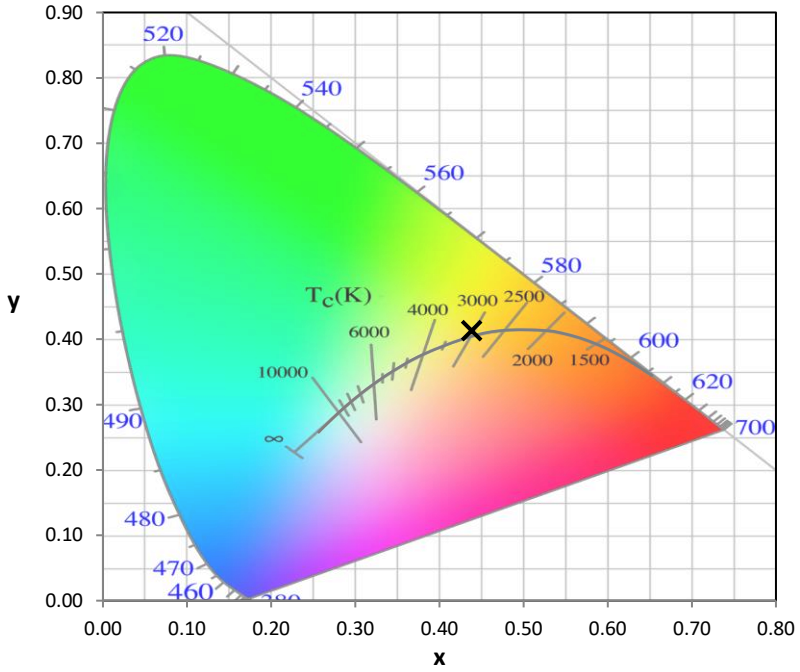
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

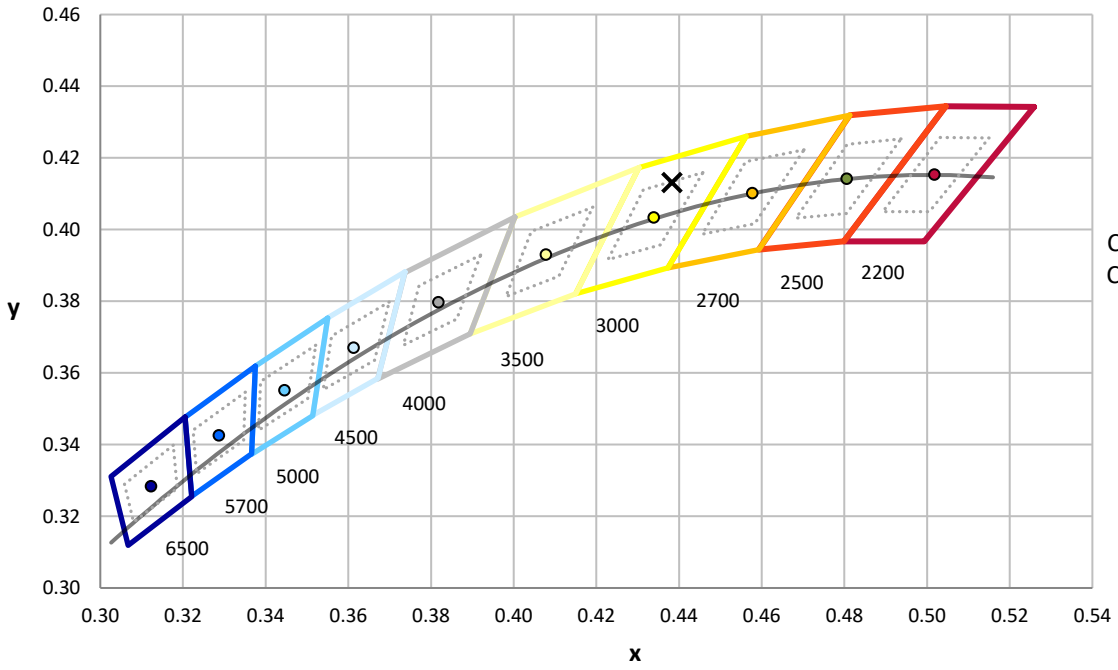
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

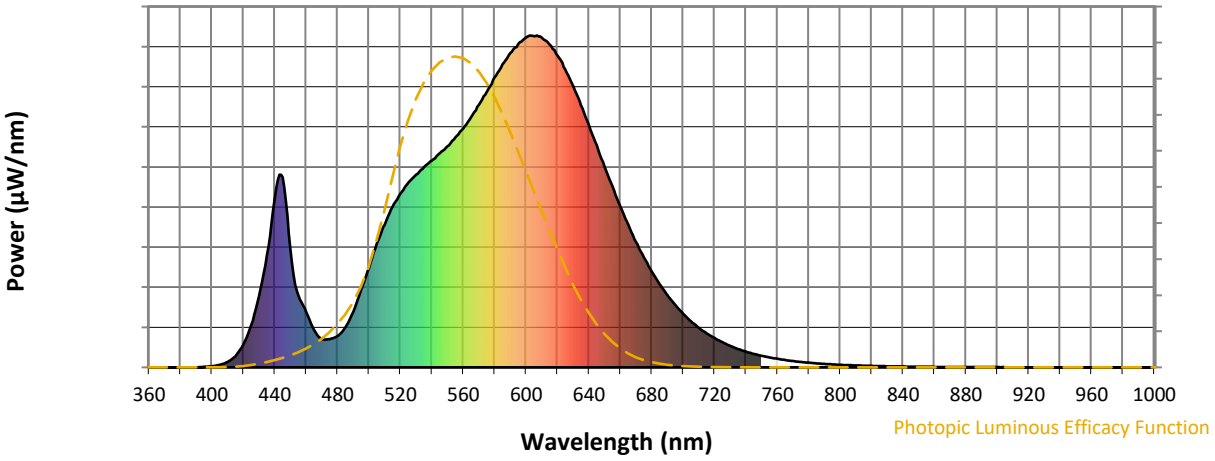


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

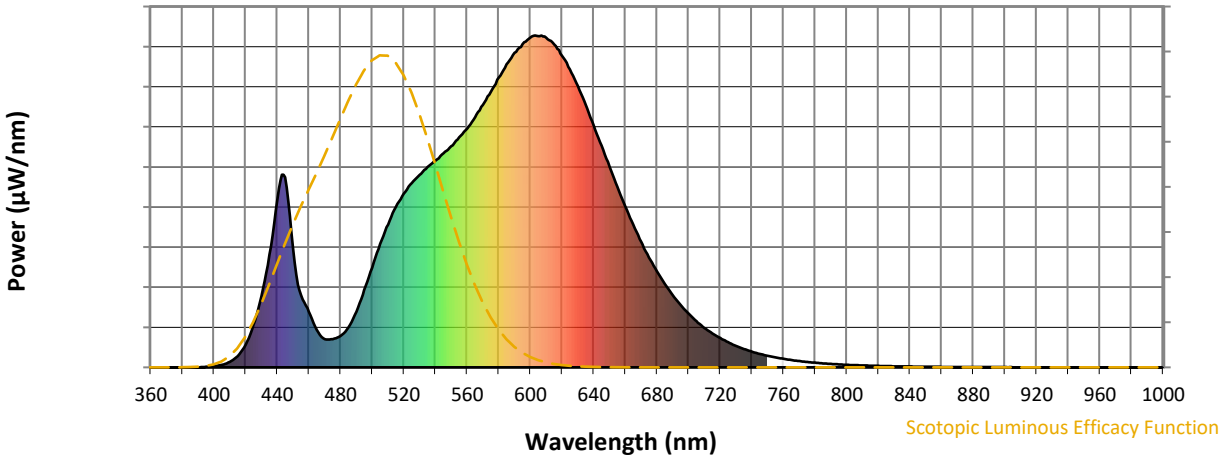


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

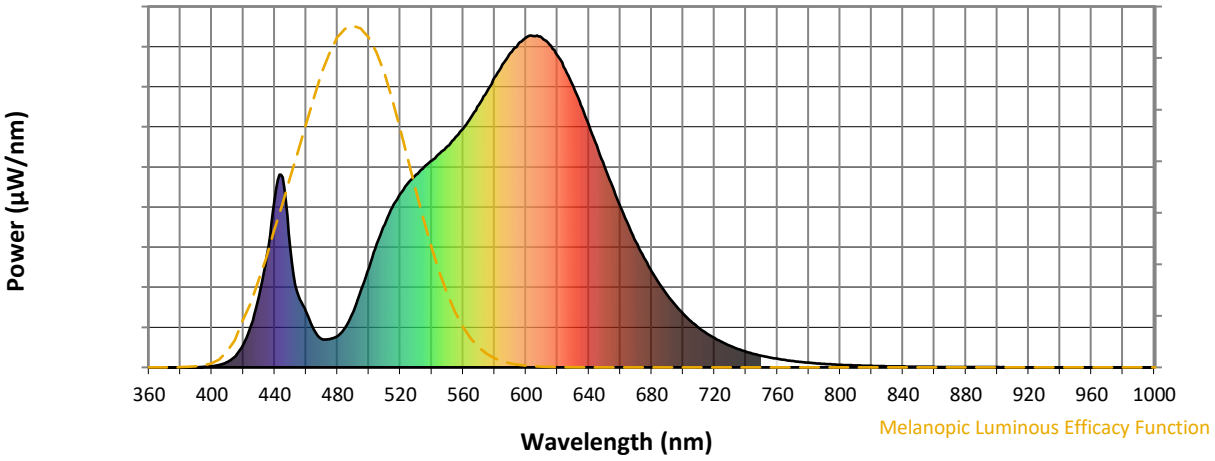


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

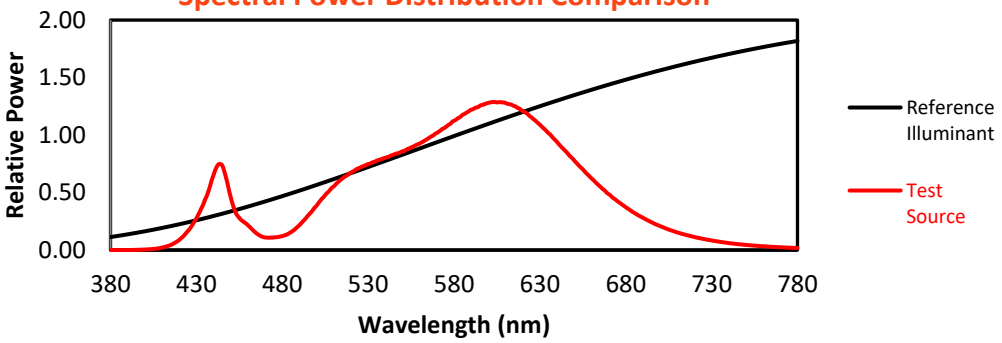
REPORT NUMBER: SP1-2408-195-9

TM-30-18

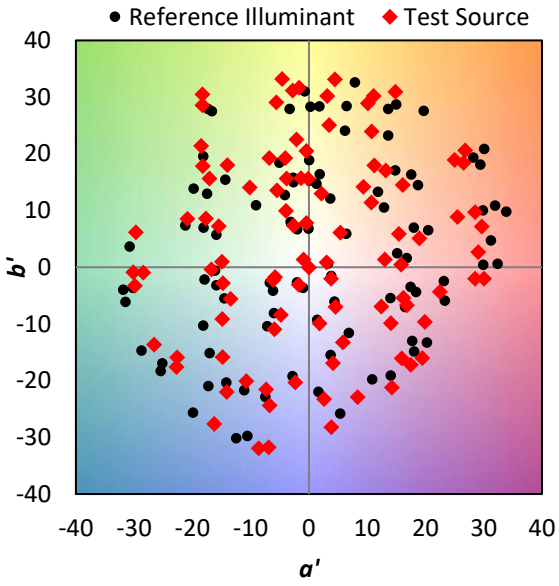
Summary

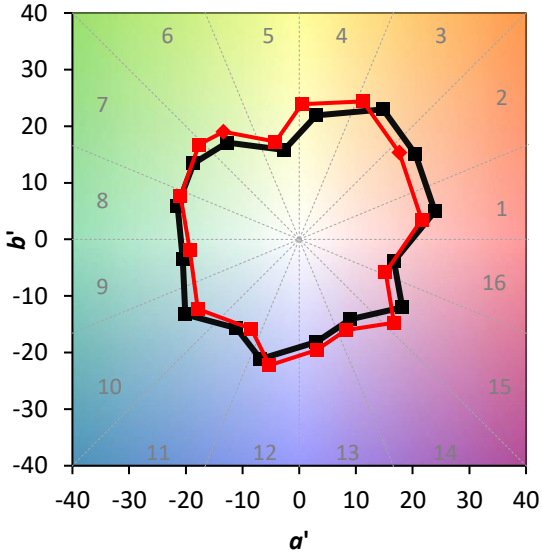
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

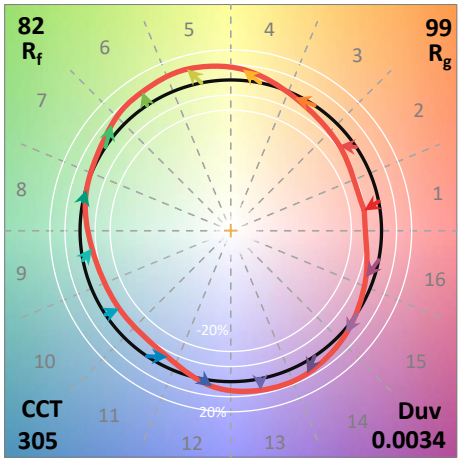
Spectral Power Distribution Comparison

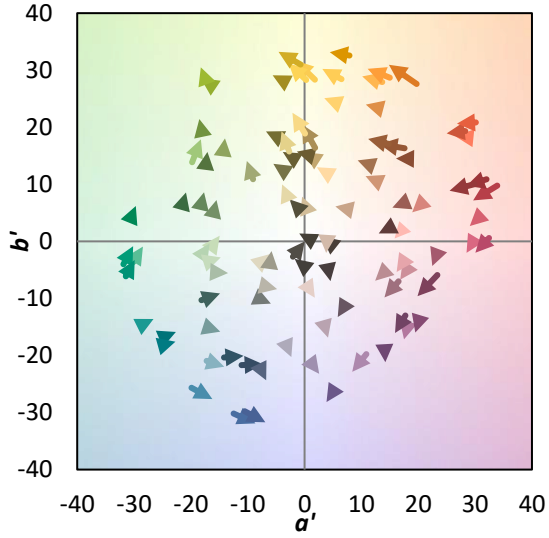


Color Vector Graphics







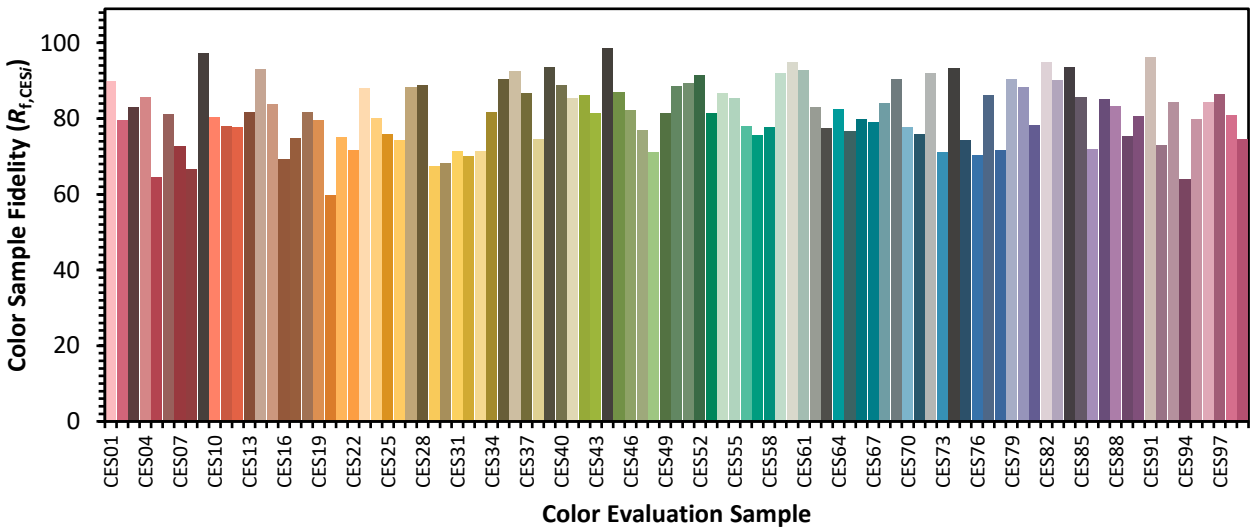


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

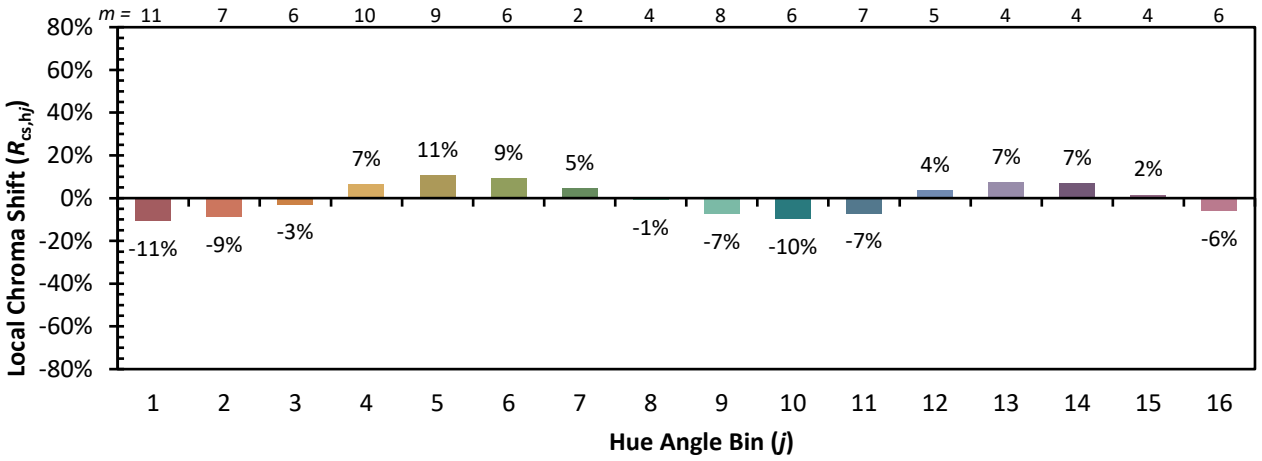
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

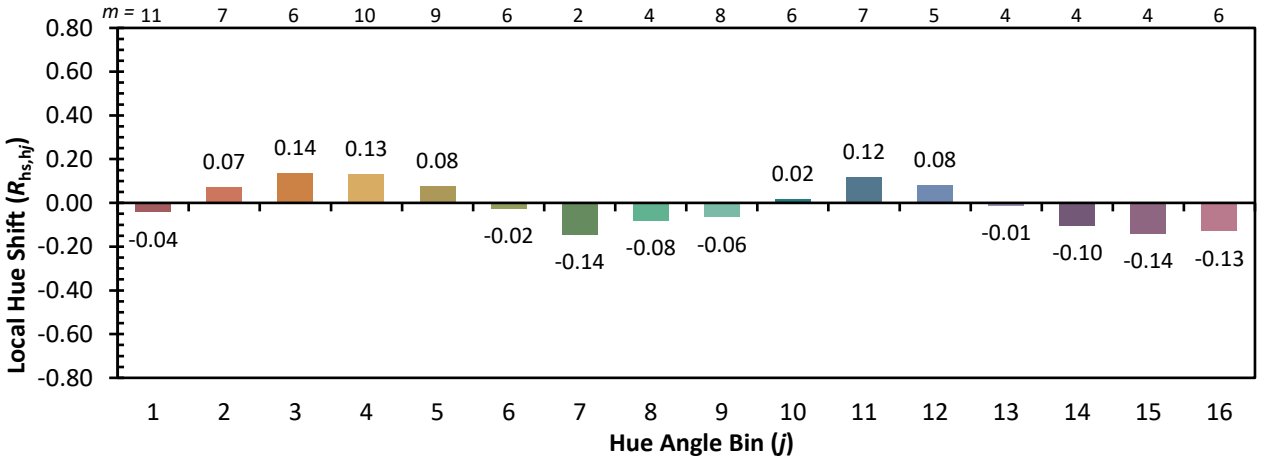


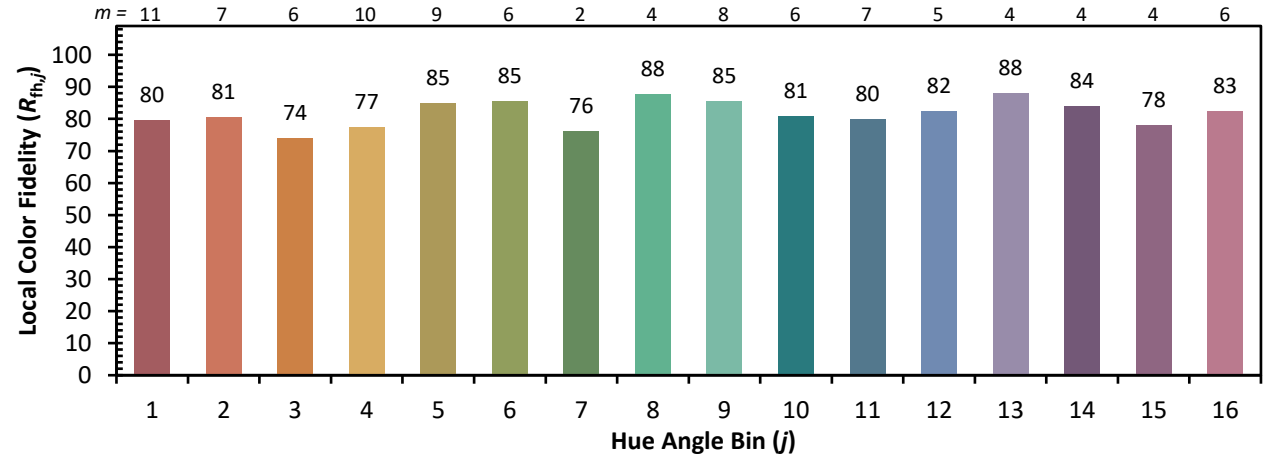
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



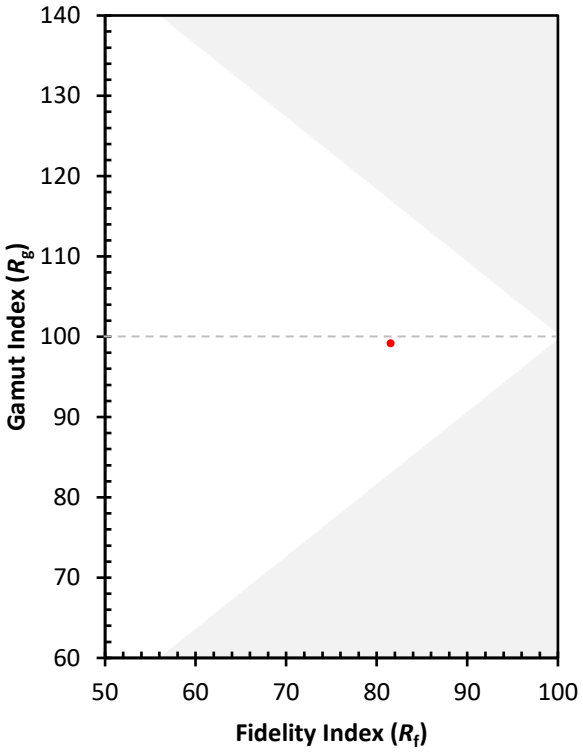


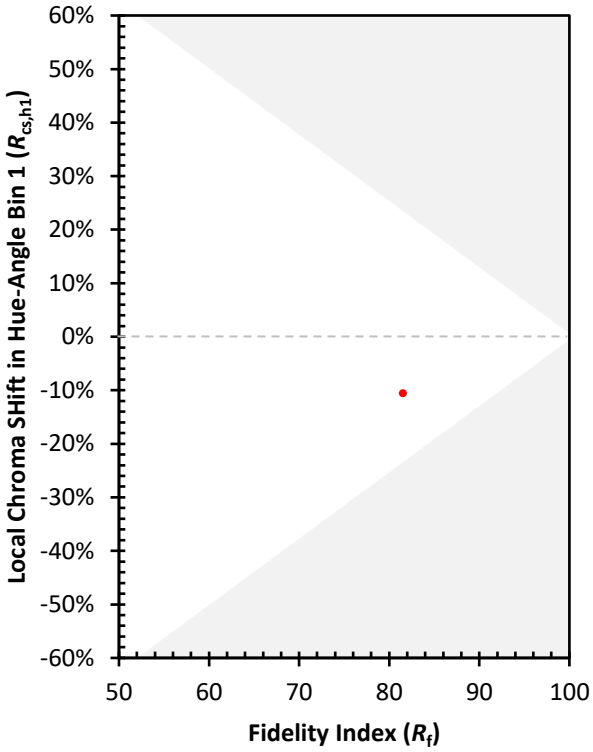


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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