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: P643447

Luminaire Tested: GWS-SA6E-830-U-T3-W-GRSWH

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:	P643447
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6E-830-U-T3-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30351.1 lumens
Efficiency:	N/A
Efficacy:	93.7 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

Input Watts (W):	323.8
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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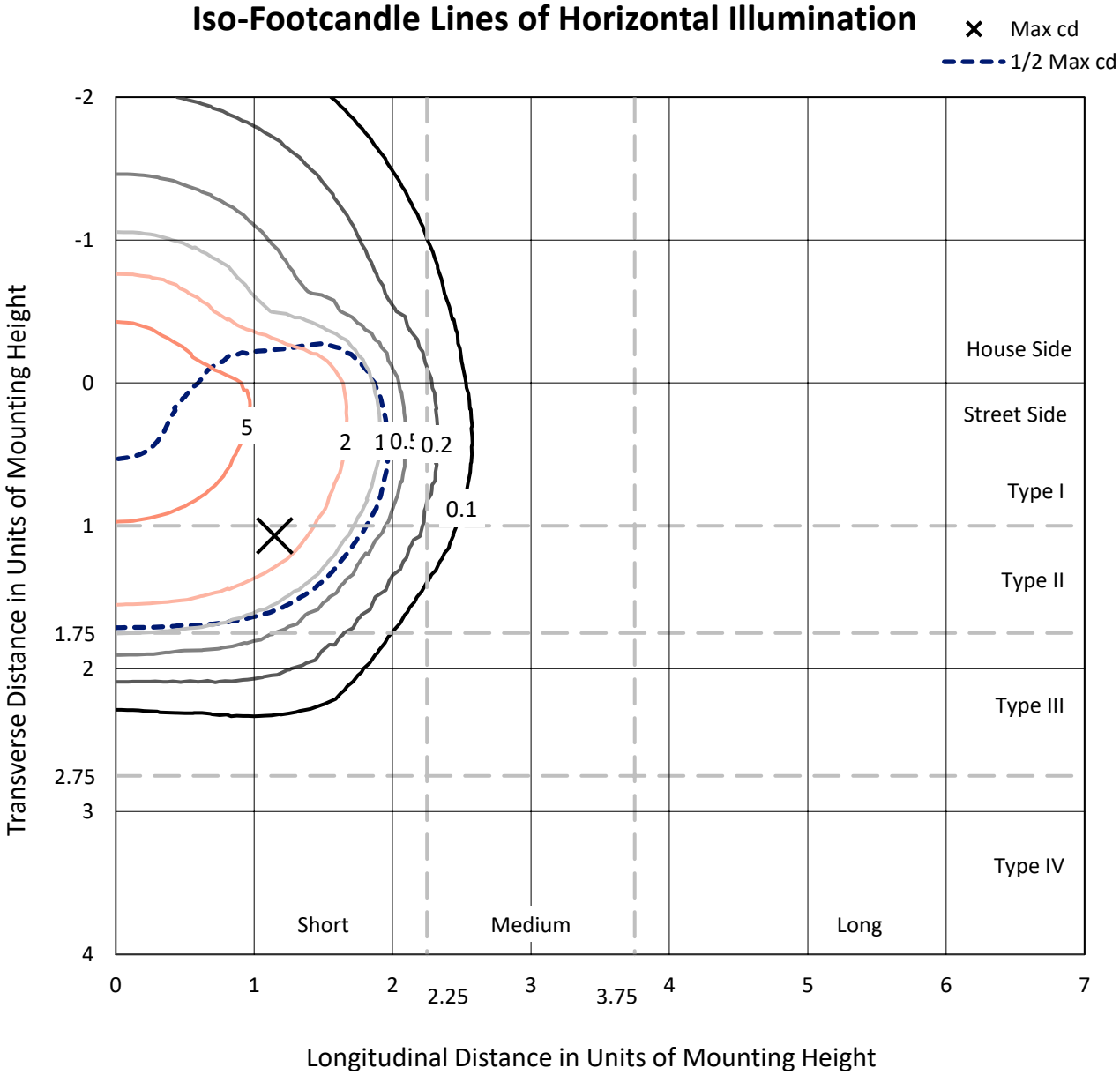
Scaled Data Report

REPORT NUMBER: P643447
CATALOG NUMBER: GWS-SA6E-830-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 7 fc
Type II - Short - N/A

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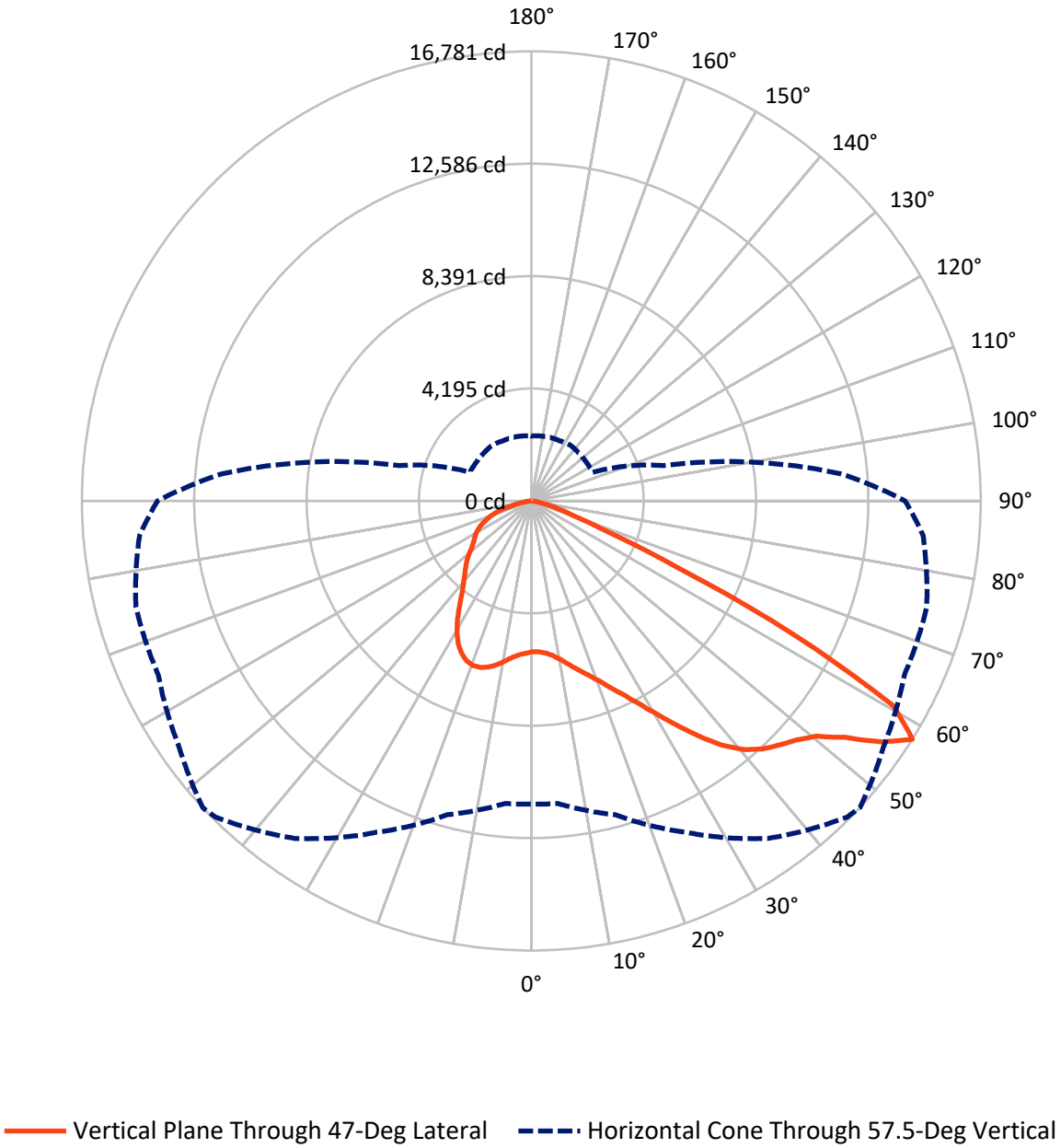
Luminous Intensity Polar Plot



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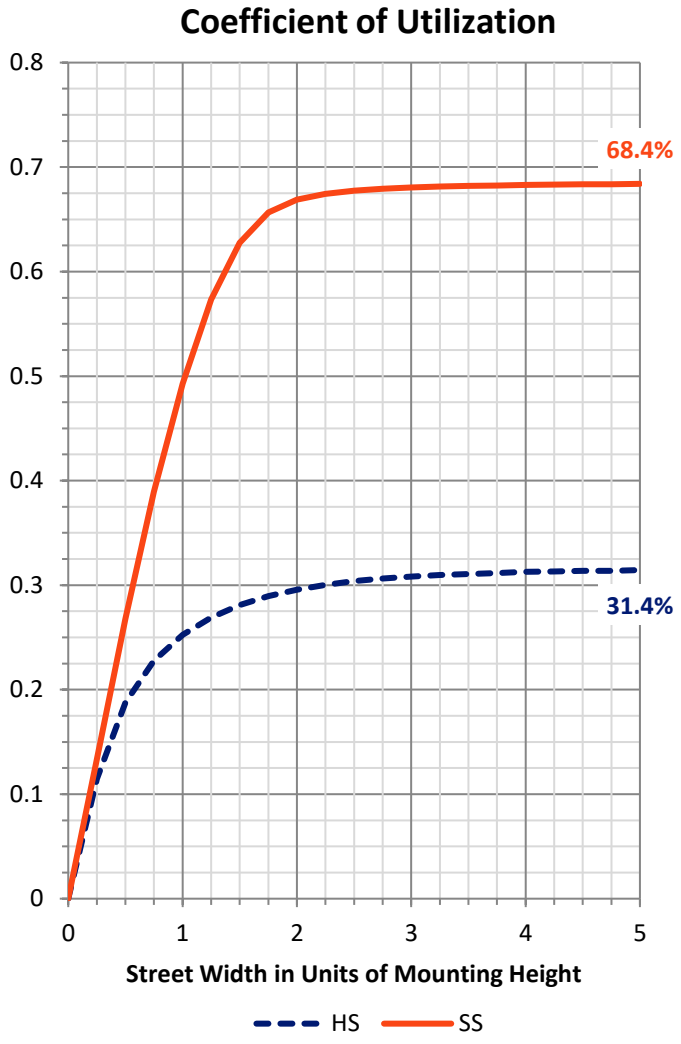
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9606.1	0.0	9606.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	20745.0	0.0	20745.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	30351.1	0.0	30351.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.2	1.8
10°-20°	1826.0	6.0
20°-30°	3287.8	10.8
30°-40°	4965.9	16.4
40°-50°	6687.2	22.0
50°-60°	8035.6	26.5
60°-70°	3913.5	12.9
70°-80°	964.1	3.2
80°-90°	115.9	0.4
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°	30351.1	100.0
0°-180°	30351.1	100.0



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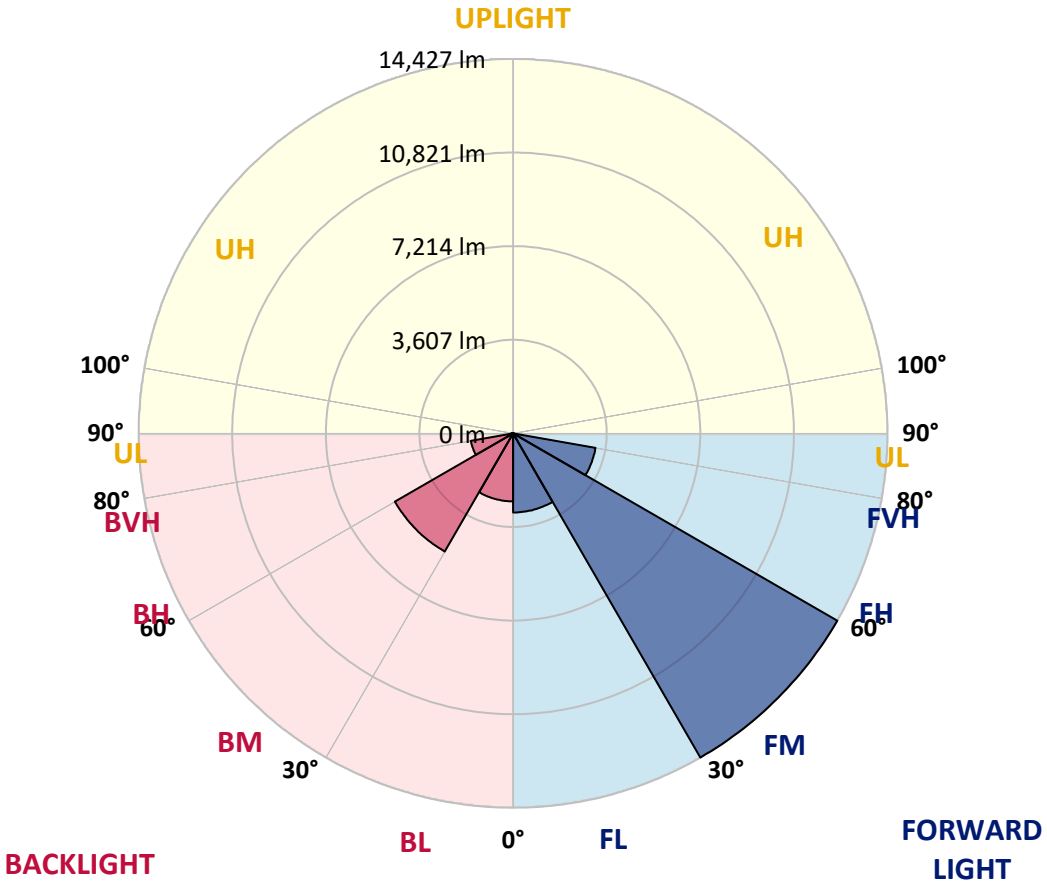
REPORT NUMBER: P643447
CATALOG NUMBER: GWS-SA6E-830-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3048.6	10.0			
FM	(30°-60°)	14427.5	47.5			
FH	(60°-80°)	3225.4	10.6			G2/5000
FVH	(80°-90°)	43.5	0.1			G1/100
BL	(0°-30°)	2620.4	8.6	B4/5000		
BM	(30°-60°)	5261.2	17.3	B4/8500		
BH	(60°-80°)	1652.2	5.4	B3/2500		G3/2500
BVH	(80°-90°)	72.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
Type II Short



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REPORT NUMBER: P643447
CATALOG NUMBER: GWS-SA6E-830-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7
2.5°	5618.5	5615.9	5615.9	5631.2	5631.2	5636.3	5644.0	5651.6	5654.1	5641.4	5613.4
5°	5679.6	5679.6	5679.6	5692.4	5692.4	5697.5	5707.7	5710.2	5707.7	5687.3	5659.2
7.5°	5776.5	5776.5	5779.1	5794.4	5807.1	5814.7	5832.6	5830.0	5822.4	5789.3	5753.6
10°	5934.6	5942.2	5949.9	5967.7	5993.2	6011.0	6023.8	6023.8	6013.6	5962.6	5916.7
12.5°	6158.9	6169.1	6176.7	6192.0	6212.4	6243.0	6271.1	6271.1	6258.3	6194.6	6125.8
15°	6421.5	6431.7	6429.1	6434.2	6472.4	6515.8	6538.7	6554.0	6559.1	6469.9	6362.8
17.5°	6722.3	6732.5	6722.3	6707.0	6712.1	6780.9	6821.7	6877.8	6910.9	6791.1	6620.3
20°	6995.0	6984.8	6984.8	6995.0	7010.3	7094.5	7155.6	7247.4	7288.2	7142.9	6877.8
22.5°	7283.1	7306.0	7295.8	7295.8	7357.0	7497.2	7571.2	7691.0	7734.3	7545.7	7188.8
25°	7655.3	7675.7	7670.6	7675.7	7747.0	7945.9	8019.8	8241.6	8284.9	8014.7	7532.9
27.5°	8063.2	8096.3	8111.6	8106.5	8221.2	8481.2	8573.0	8881.4	8960.5	8539.9	7900.0
30°	8593.4	8629.1	8641.8	8636.7	8771.8	9126.2	9230.7	9582.5	9694.6	9161.9	8366.5
32.5°	9207.7	9243.4	9281.7	9297.0	9470.3	9832.3	9982.7	10347.2	10507.8	9880.7	8929.9
35°	9817.0	9847.6	9921.5	10041.3	10278.4	10648.0	10780.6	11140.0	11295.5	10627.7	9610.5
37.5°	10490.0	10510.4	10574.1	10739.8	11081.4	11433.2	11565.8	11909.9	11927.8	11349.1	10380.4
40°	11226.7	11226.7	11214.0	11377.1	11734.0	12088.4	12203.1	12401.9	12297.4	11904.8	11129.9
42.5°	11851.3	11841.1	11851.3	12004.2	12269.3	12557.4	12656.8	12618.6	12486.0	12330.5	11807.9
45°	12414.7	12422.3	12514.1	12631.3	12769.0	12939.8	12998.4	12781.7	12661.9	12672.1	12350.9
47.5°	12797.0	12804.7	13018.8	13215.1	13299.2	13352.8	13327.3	13026.5	12965.3	13080.0	12769.0
50°	12848.0	12888.8	13258.4	13661.2	13870.3	13877.9	13806.5	13439.4	13421.6	13551.6	12993.3
52.5°	12858.2	12899.0	13360.4	14086.9	14629.9	14744.6	14663.1	14280.7	14094.6	13964.6	13268.6
55°	12820.0	12865.9	13375.7	14372.4	15412.5	15871.4	15879.0	15338.6	14744.6	14658.0	14053.8
57.5°	11318.5	11336.3	12126.6	13645.9	15381.9	16682.0	16781.4	16047.3	15369.2	15287.6	14683.4
60°	7884.7	7956.1	8815.2	10821.4	12921.9	15213.7	15534.9	15320.8	14867.0	14273.0	12598.2
62.5°	3948.7	4009.9	4871.5	6768.2	8912.0	10722.0	11066.1	11293.0	11400.1	10762.8	8578.1
65°	1700.3	1746.2	2281.5	3535.8	5044.9	5919.3	6039.1	6311.8	6979.7	6227.7	4621.7
67.5°	1136.9	1167.5	1440.3	2156.6	2972.4	3028.5	3010.6	3069.2	3214.6	2653.7	2087.8
70°	871.8	897.3	1080.9	1580.5	2136.2	1827.8	1730.9	1570.3	1705.4	1738.6	1692.7
72.5°	632.2	652.6	790.3	1078.3	1338.3	1167.5	1152.2	1233.8	1417.4	1468.3	1440.3
75°	407.9	418.1	502.2	591.4	690.8	749.5	780.1	927.9	1114.0	1152.2	1119.1
77.5°	272.8	280.4	328.8	379.8	392.6	395.1	405.3	471.6	599.1	670.4	662.8
80°	142.8	142.8	160.6	160.6	183.5	219.2	229.4	272.8	331.4	367.1	369.6
82.5°	56.1	58.6	68.8	76.5	91.8	112.2	119.8	142.8	173.3	198.8	221.8
85°	22.9	25.5	28.0	33.1	40.8	51.0	53.5	61.2	81.6	102.0	114.7
87.5°	0.0	0.0	2.5	2.5	5.1	7.6	7.6	10.2	12.7	22.9	30.6
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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Scaled Data Report

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CATALOG NUMBER: GWS-SA6E-830-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7
2.5°	5646.5	5613.4	5646.5	5656.7	5684.7	5694.9	5677.1	5674.5	5674.5	5649.0	5641.4
5°	5684.7	5654.1	5687.3	5702.6	5743.4	5768.9	5774.0	5794.4	5807.1	5796.9	5794.4
7.5°	5779.1	5740.8	5776.5	5799.5	5853.0	5893.8	5911.6	5957.5	5990.6	5985.5	5983.0
10°	5944.8	5893.8	5934.6	5972.8	6031.4	6079.9	6082.4	6107.9	6141.0	6130.8	6125.8
12.5°	6135.9	6087.5	6133.4	6171.6	6240.5	6260.9	6227.7	6217.5	6222.6	6209.9	6199.7
15°	6370.5	6301.6	6342.4	6385.8	6424.0	6401.1	6329.7	6301.6	6299.1	6281.3	6271.1
17.5°	6605.0	6518.3	6548.9	6571.9	6554.0	6482.6	6393.4	6345.0	6322.0	6286.4	6276.2
20°	6837.0	6727.4	6722.3	6704.4	6622.8	6492.8	6373.0	6276.2	6217.5	6169.1	6151.2
22.5°	7102.1	6949.1	6872.7	6791.1	6612.7	6401.1	6220.1	6082.4	5988.1	5926.9	5906.5
25°	7387.6	7170.9	7012.9	6849.7	6510.7	6204.8	5952.4	5763.8	5651.6	5585.3	5562.4
27.5°	7670.6	7372.3	7135.2	6857.4	6306.7	5921.8	5582.8	5327.8	5215.7	5162.1	5144.3
30°	8053.0	7640.0	7280.5	6758.0	6039.1	5529.2	5106.1	4848.6	4774.7	4736.4	4721.1
32.5°	8494.0	7979.0	7474.3	6548.9	5697.5	5070.4	4624.3	4445.8	4394.8	4320.9	4318.4
35°	9075.2	8463.4	7657.8	6240.5	5266.7	4578.4	4254.6	4127.2	4035.4	3918.1	3907.9
37.5°	9753.3	9067.5	7757.2	5847.9	4764.5	4173.1	3979.3	3836.6	3688.7	3533.2	3512.8
40°	10454.3	9773.7	7764.9	5383.9	4272.5	3905.4	3742.2	3556.1	3372.6	3199.3	3176.3
42.5°	11191.0	10431.4	7629.8	4848.6	3869.7	3673.4	3507.7	3273.2	3066.7	2949.4	2936.7
45°	11848.7	10961.6	7323.9	4285.2	3571.4	3479.7	3268.1	3015.7	2906.1	2822.0	2804.1
47.5°	12366.2	11313.4	6910.9	3780.5	3329.3	3280.8	3005.5	2875.5	2791.4	2714.9	2697.1
50°	12621.1	11392.4	6373.0	3370.1	3104.9	3046.3	2857.7	2758.2	2702.2	2641.0	2625.7
52.5°	12937.2	11481.6	5909.1	3025.9	2885.7	2806.7	2735.3	2656.3	2615.5	2577.3	2564.5
55°	13663.8	11818.1	5664.3	2750.6	2676.7	2641.0	2630.8	2564.5	2551.8	2526.3	2503.3
57.5°	*13959.5*	*11601.5*	*5085.7*	*2526.3*	*2511.0*	*2516.1*	*2541.6*	*2480.4*	*2467.6*	*2437.0*	*2421.7*
60°	11226.7	8769.3	3444.0	2332.5	2373.3	2406.5	2431.9	2370.8	2352.9	2347.8	2327.4
62.5°	7193.9	5394.1	2403.9	2151.5	2212.7	2253.5	2268.8	2210.2	2197.4	2238.2	2240.8
65°	3744.8	2939.2	1950.1	1957.8	2008.8	2070.0	2100.5	2080.2	2075.1	2118.4	2120.9
67.5°	1911.9	1797.2	1700.3	1728.4	1769.2	1848.2	1919.6	2008.8	2039.4	2044.5	2047.0
70°	1628.9	1578.0	1529.5	1547.4	1590.7	1634.0	1702.9	1746.2	1695.2	1682.5	1677.4
72.5°	1386.8	1348.5	1325.6	1346.0	1368.9	1361.3	1340.9	1361.3	1368.9	1371.5	1374.0
75°	1078.3	1050.3	1032.4	1035.0	1035.0	1006.9	968.7	945.8	920.3	899.9	899.9
77.5°	660.2	665.3	683.2	680.6	678.1	667.9	629.7	609.3	548.1	530.2	530.2
80°	377.3	384.9	402.8	407.9	407.9	395.1	356.9	333.9	305.9	293.2	290.6
82.5°	229.4	239.6	249.8	254.9	257.5	242.2	209.0	191.2	175.9	163.1	163.1
85°	119.8	124.9	135.1	137.7	130.0	114.7	96.9	89.2	73.9	71.4	71.4
87.5°	33.1	35.7	40.8	33.1	30.6	22.9	12.7	10.2	5.1	2.5	2.5
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

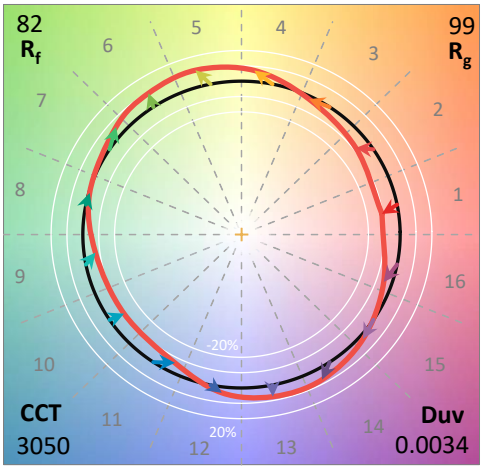
Test Information

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

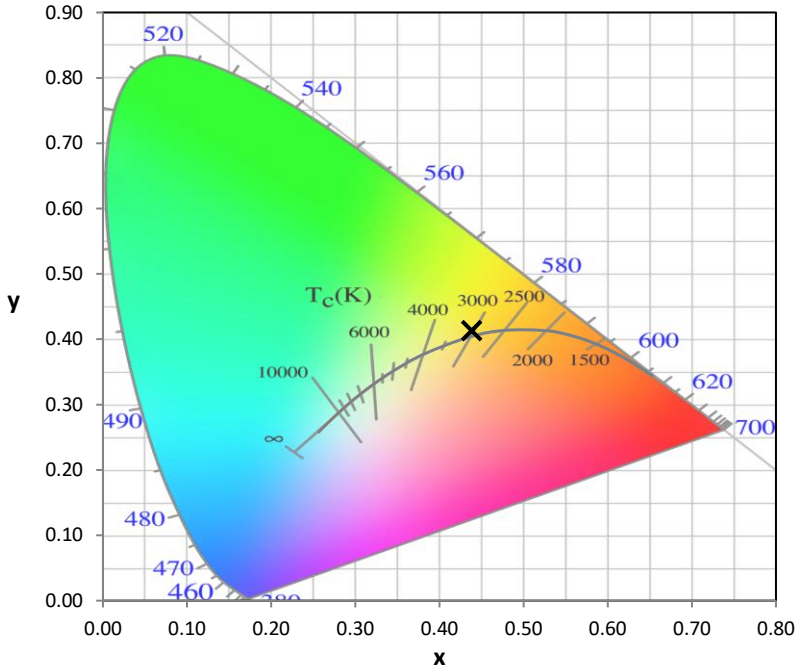
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

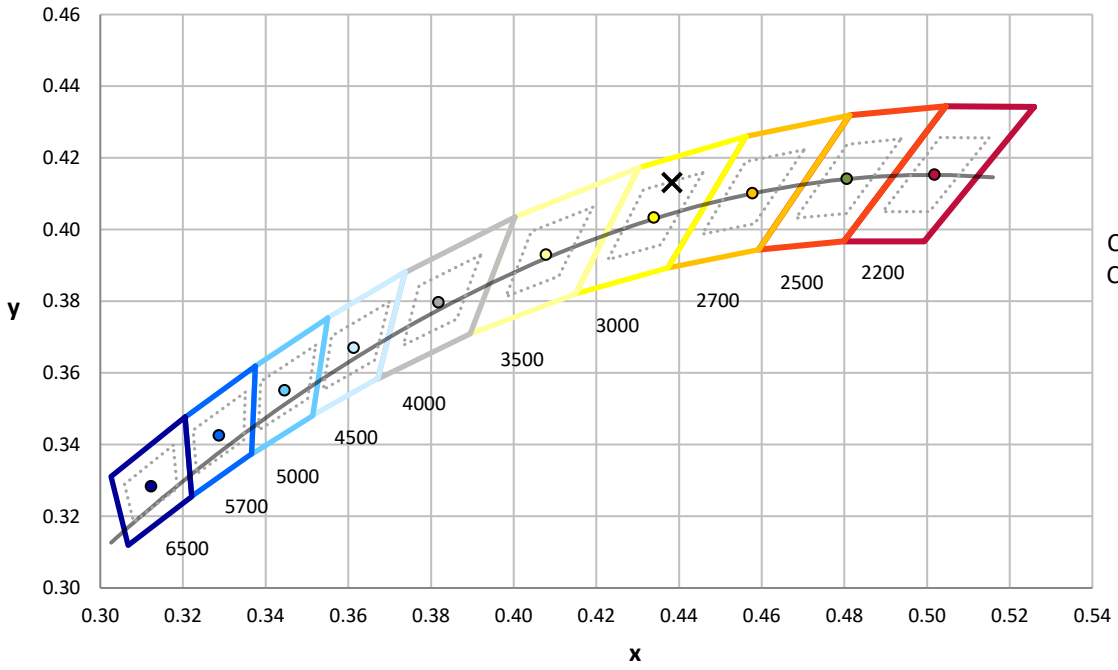
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

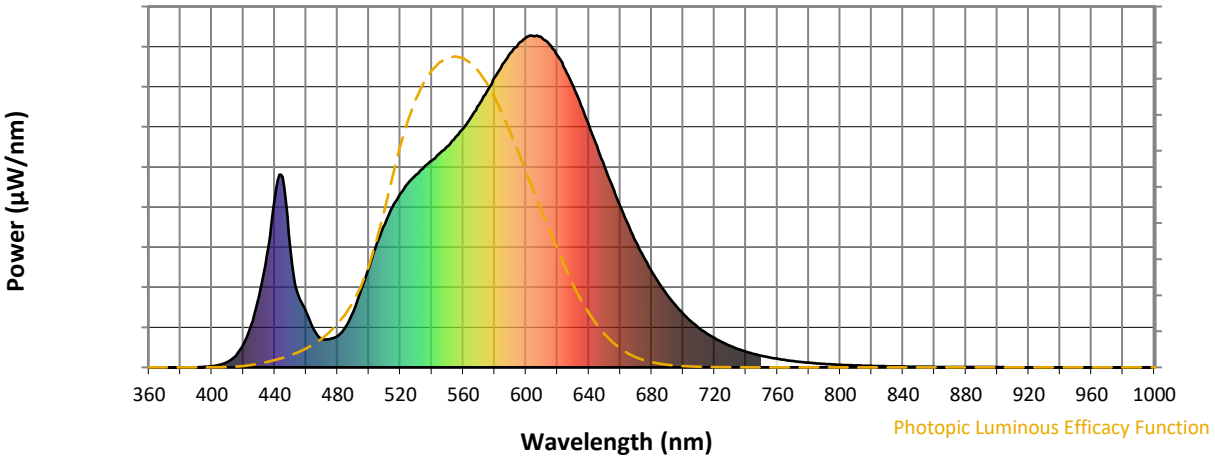


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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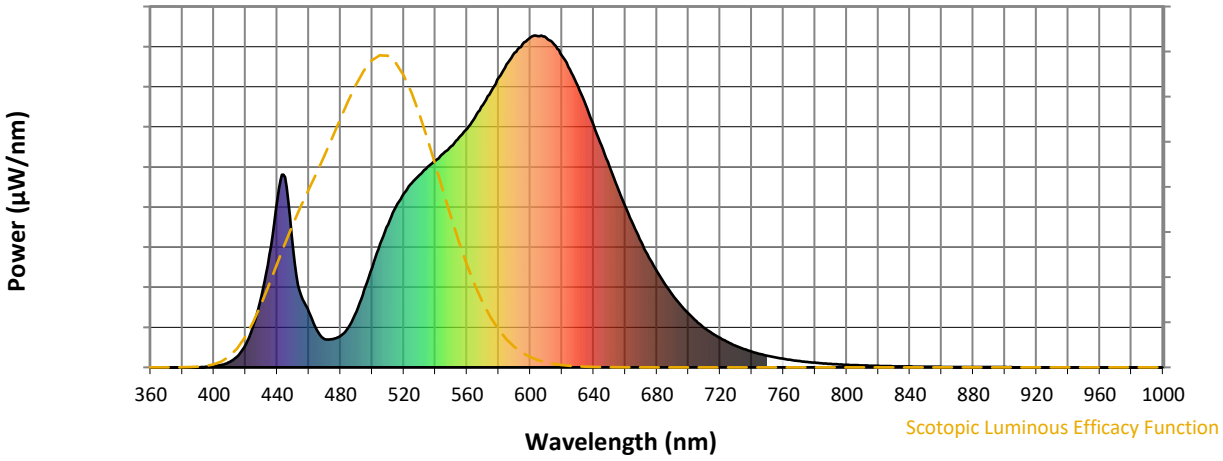
Scotopic Flux vs. Wavelength



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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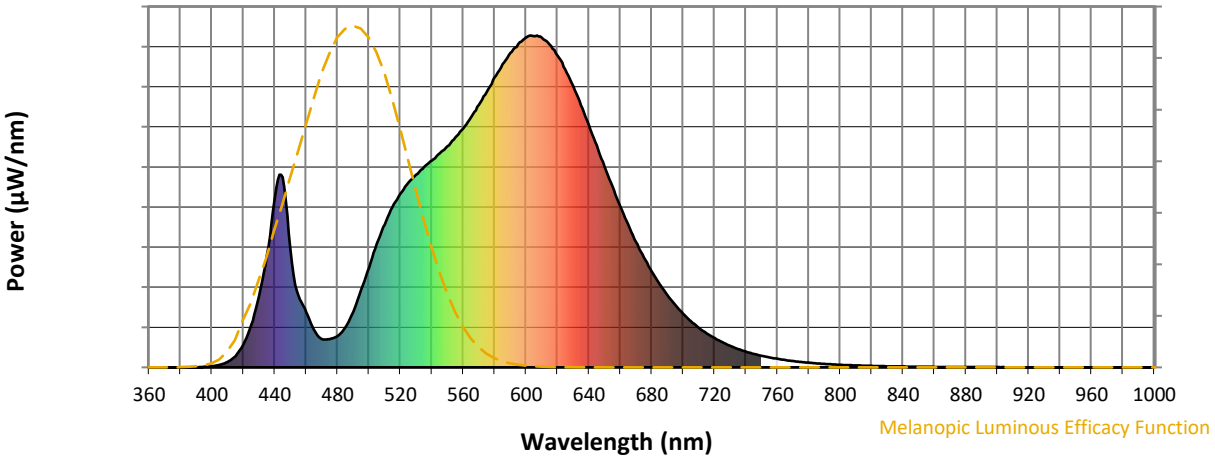
Melanopic Flux vs. Wavelength



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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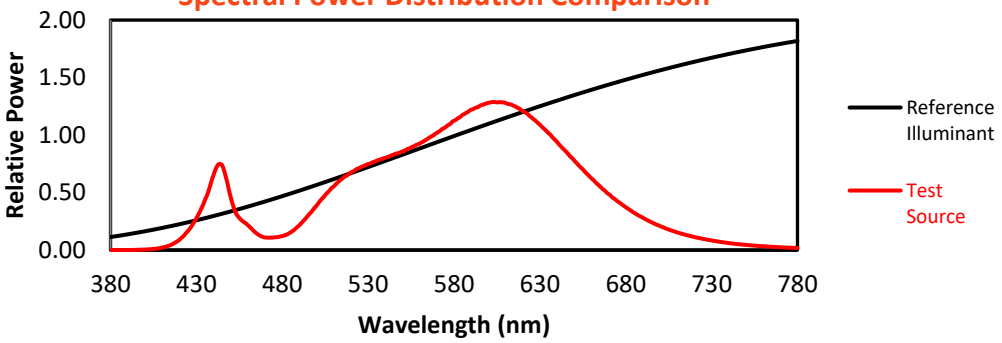
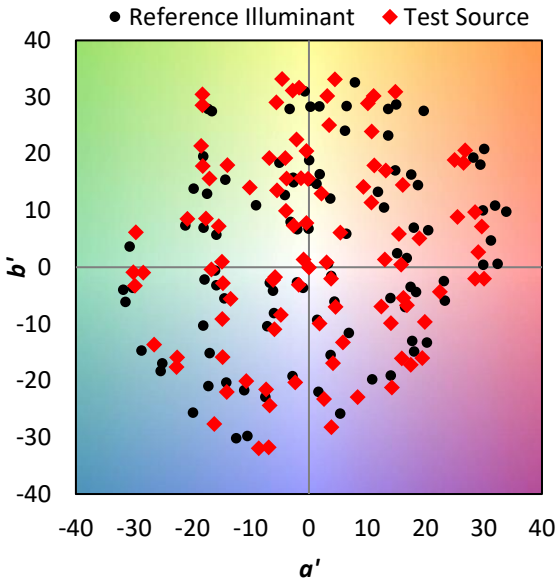
Summary

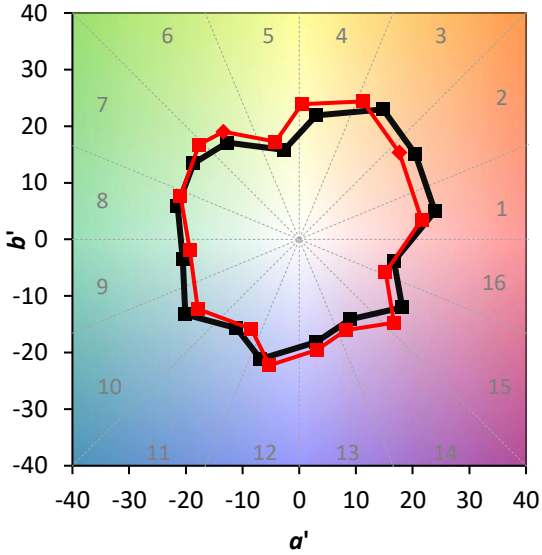
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

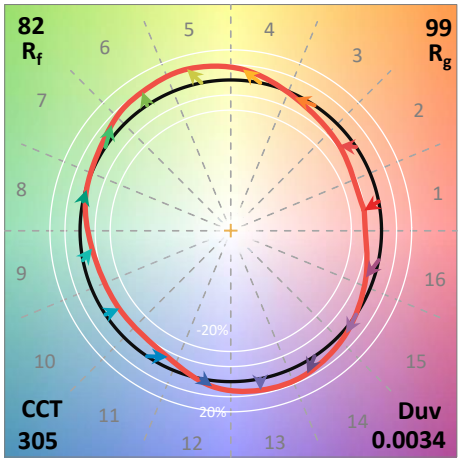
Spectral Power Distribution Comparison

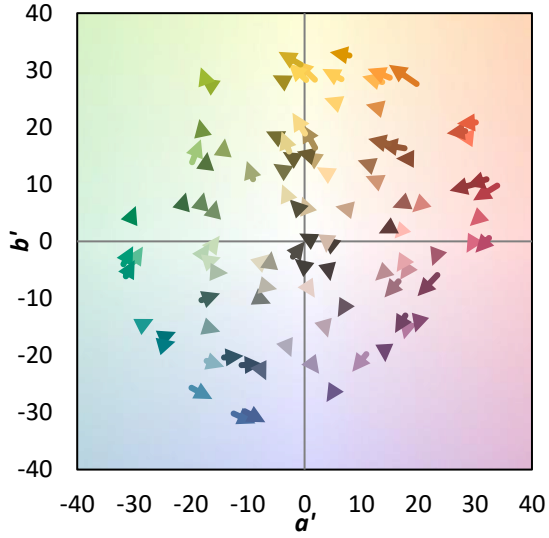


Color Vector Graphics









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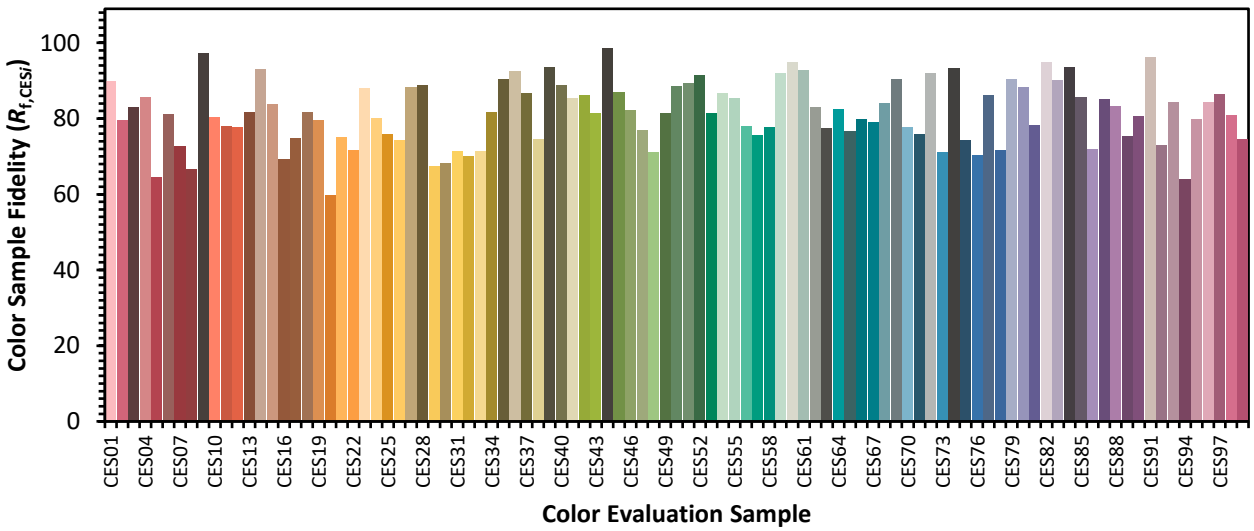
Individual Sample Fidelity Index ($R_{f,i}$)

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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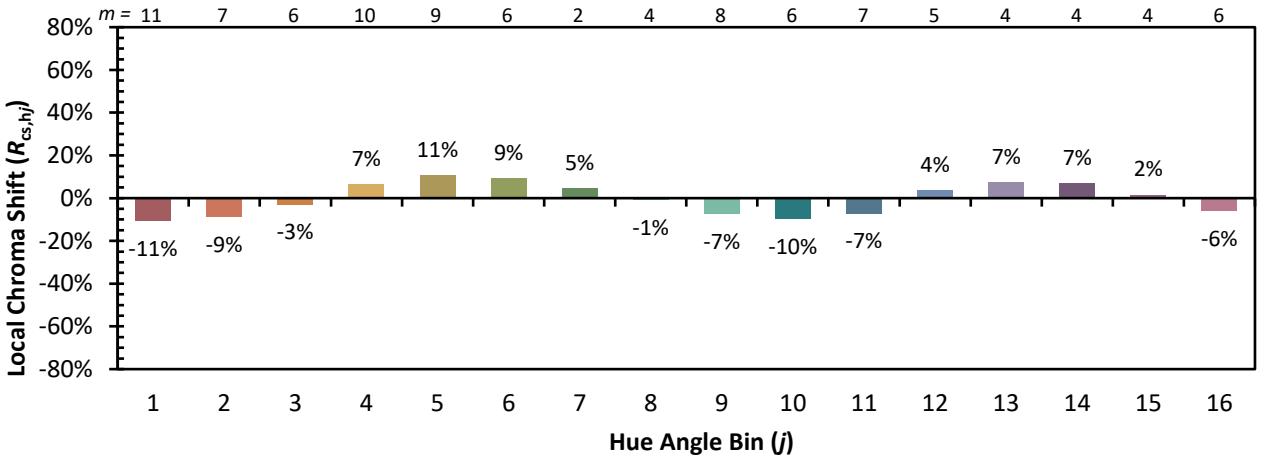
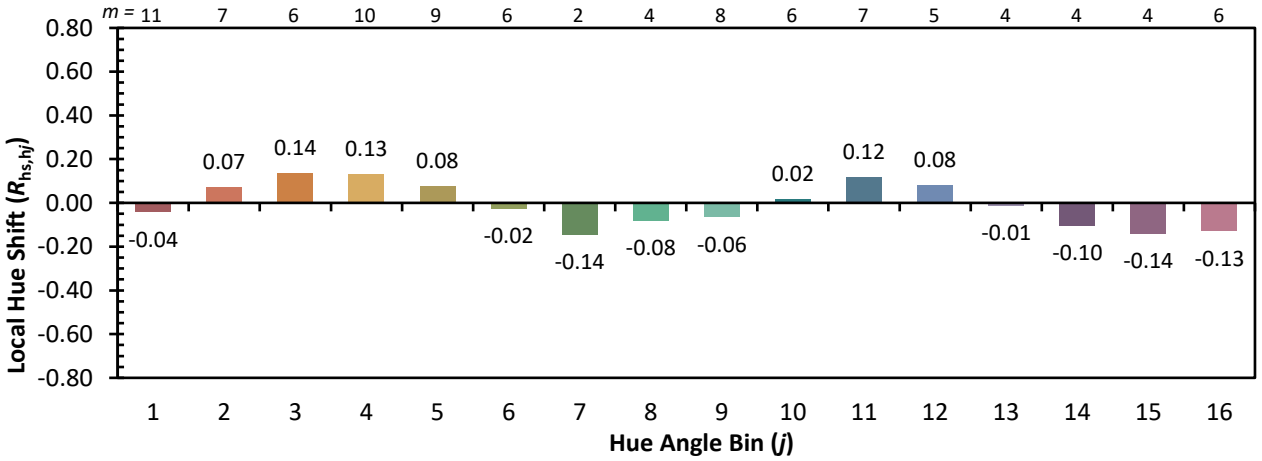
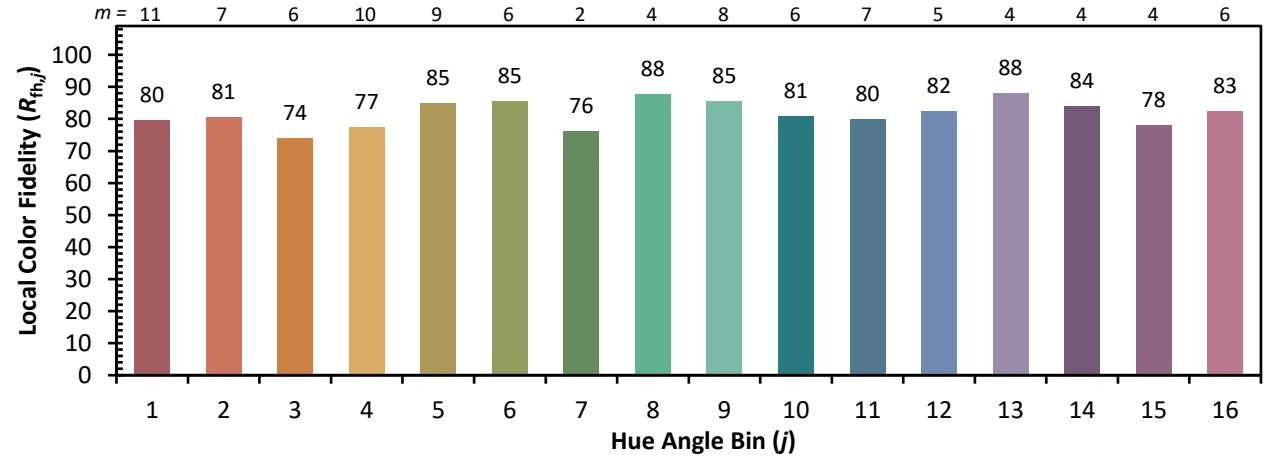
Color Rendition by Hue-Angle Bin







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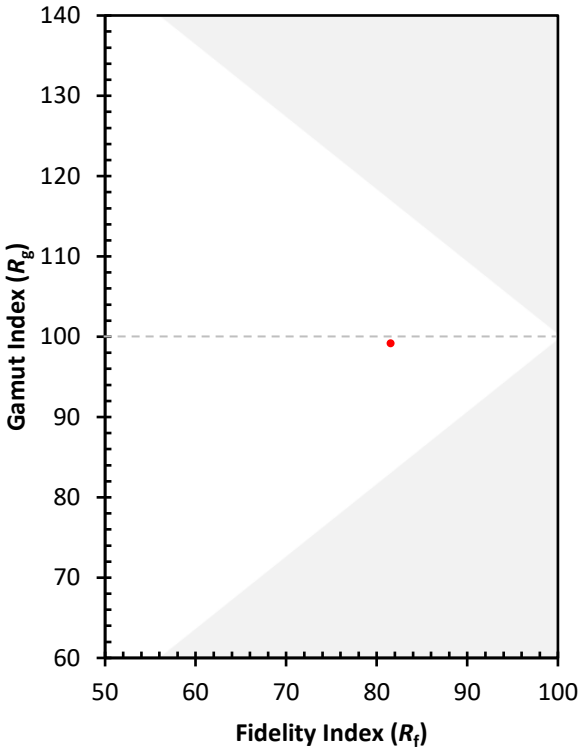
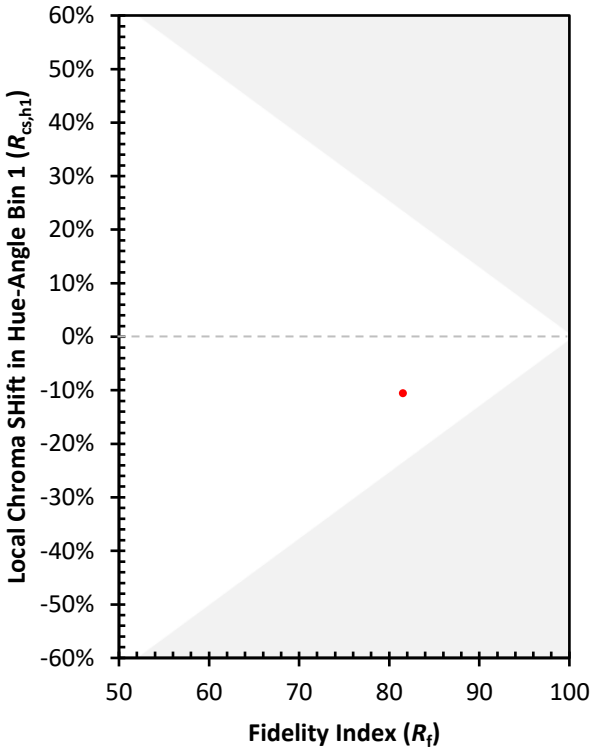
Measure Comparisons





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