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: P643912

Luminaire Tested: GWS-SA6F-830-U-RW-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:	P643912
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-RW-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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:	34853.1 lumens
Efficiency:	N/A
Efficacy:	93.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G2

Input Watts (W):	372.6
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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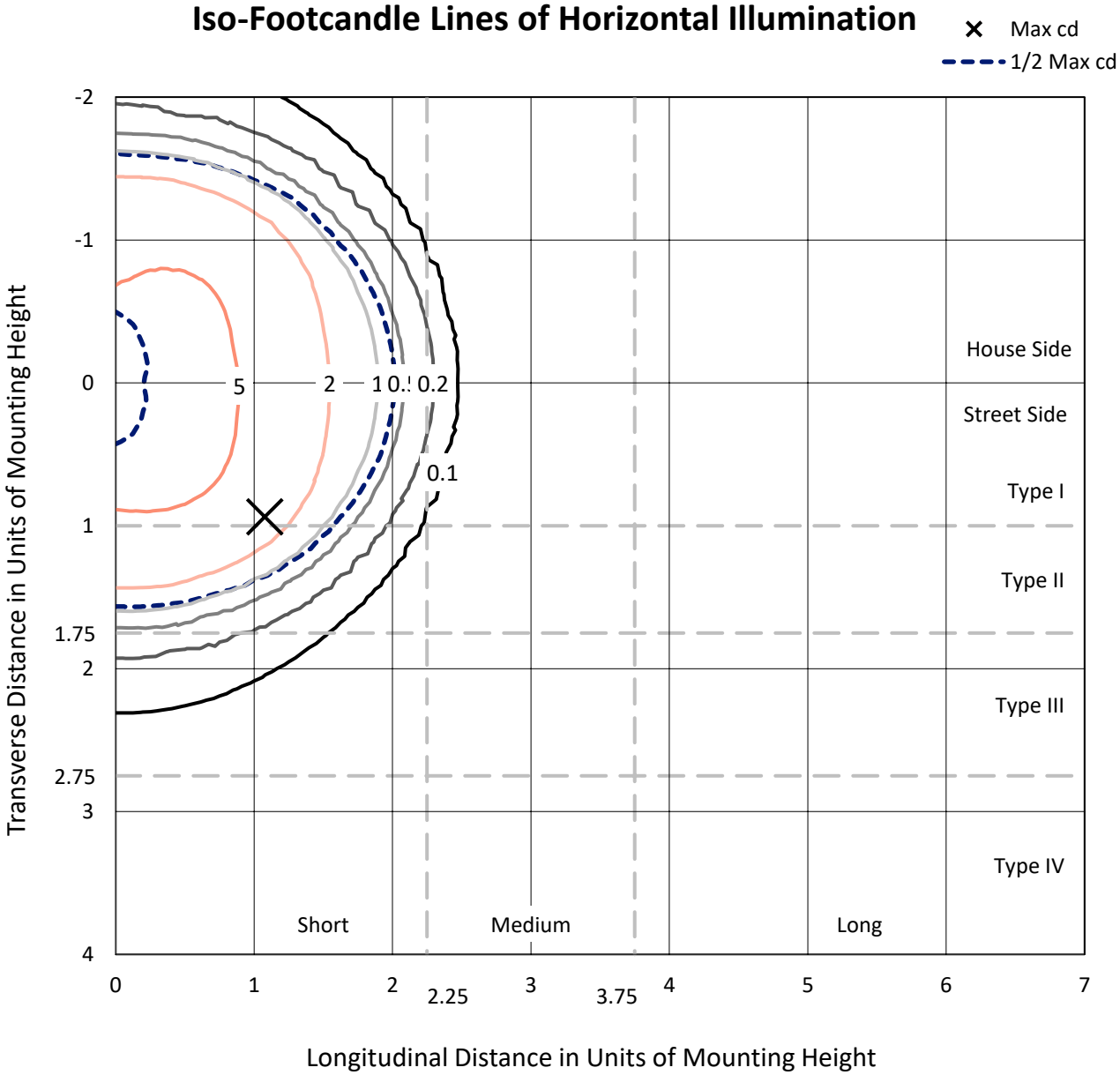
Scaled Data Report

REPORT NUMBER: P643912
CATALOG NUMBER: GWS-SA6F-830-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 7.1 fc
Type V - Short - N/A

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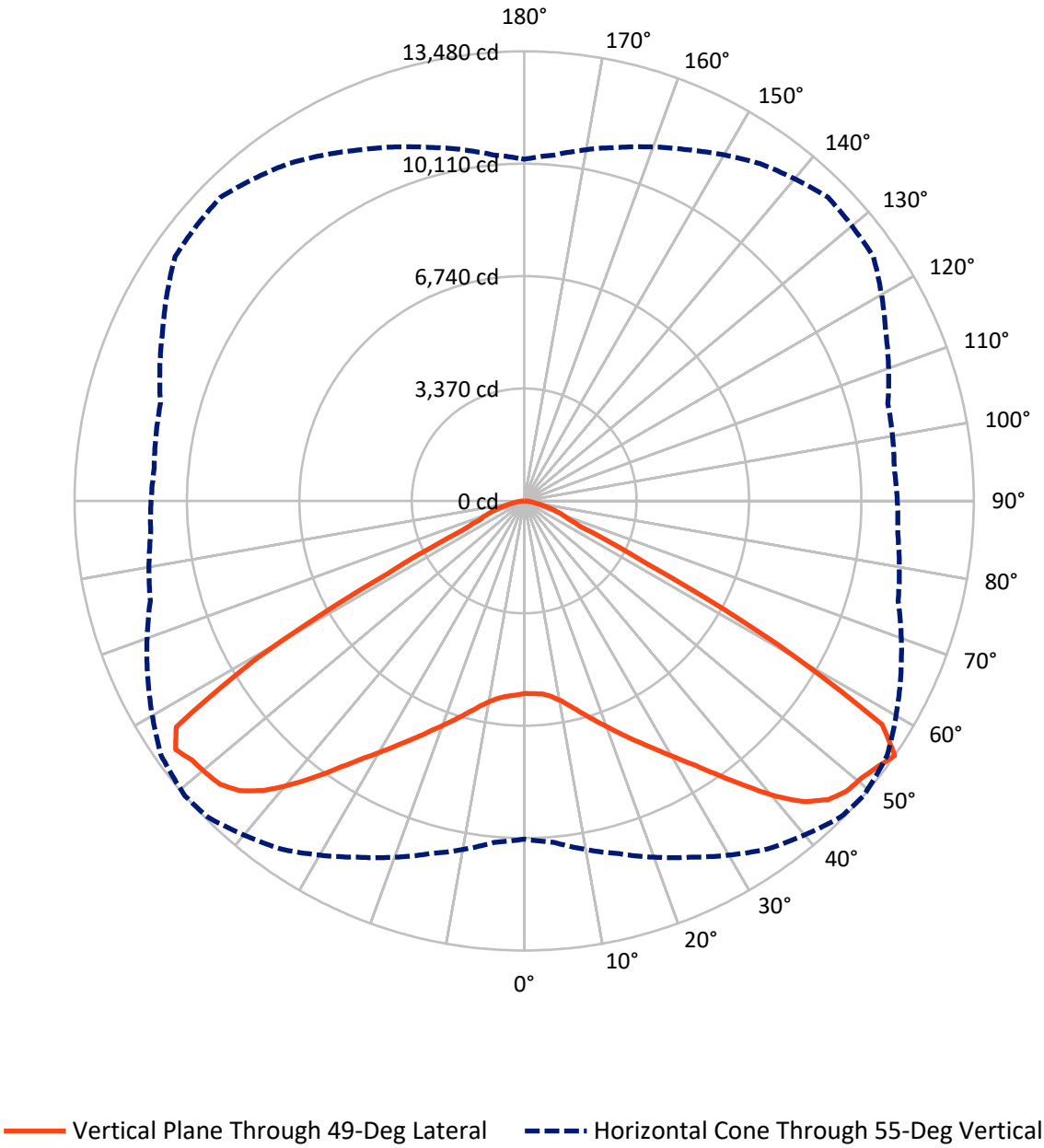
Luminous Intensity Polar Plot



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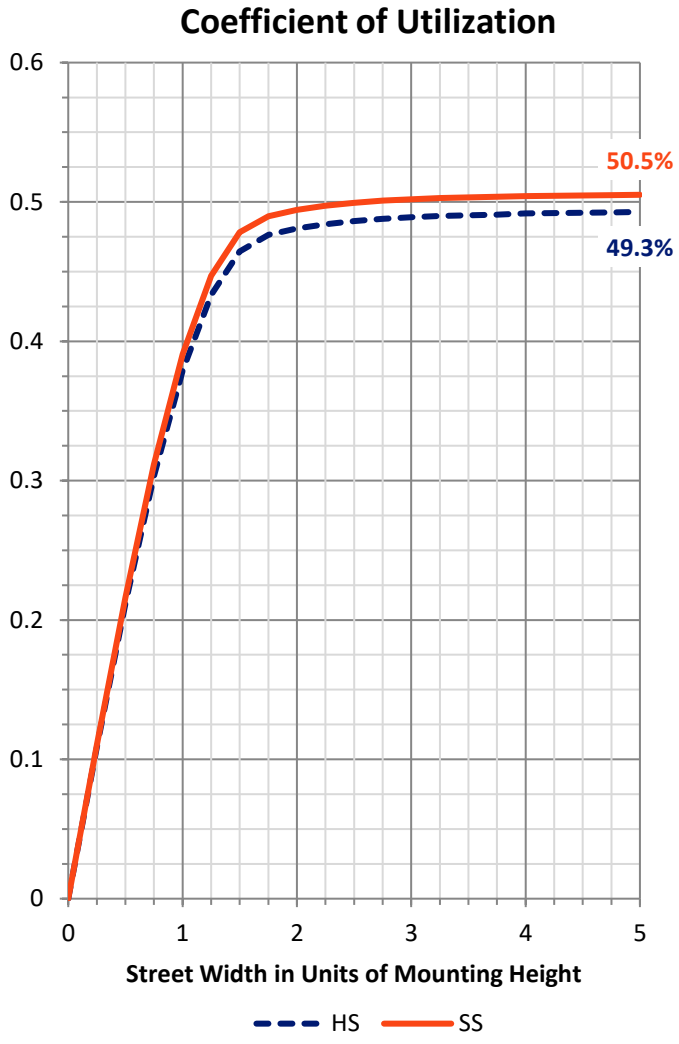
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17255.6	0.0	17255.6
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	17597.5	0.0	17597.5
	% Fixture	50.5	0.0	50.5
Total	Lumens	34853.1	0.0	34853.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.2	1.6
10°-20°	1857.7	5.3
20°-30°	3538.5	10.2
30°-40°	5998.4	17.2
40°-50°	9027.2	25.9
50°-60°	9881.2	28.4
60°-70°	3124.5	9.0
70°-80°	749.9	2.2
80°-90°	112.5	0.3
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°	34853.1	100.0
0°-180°	34853.1	100.0



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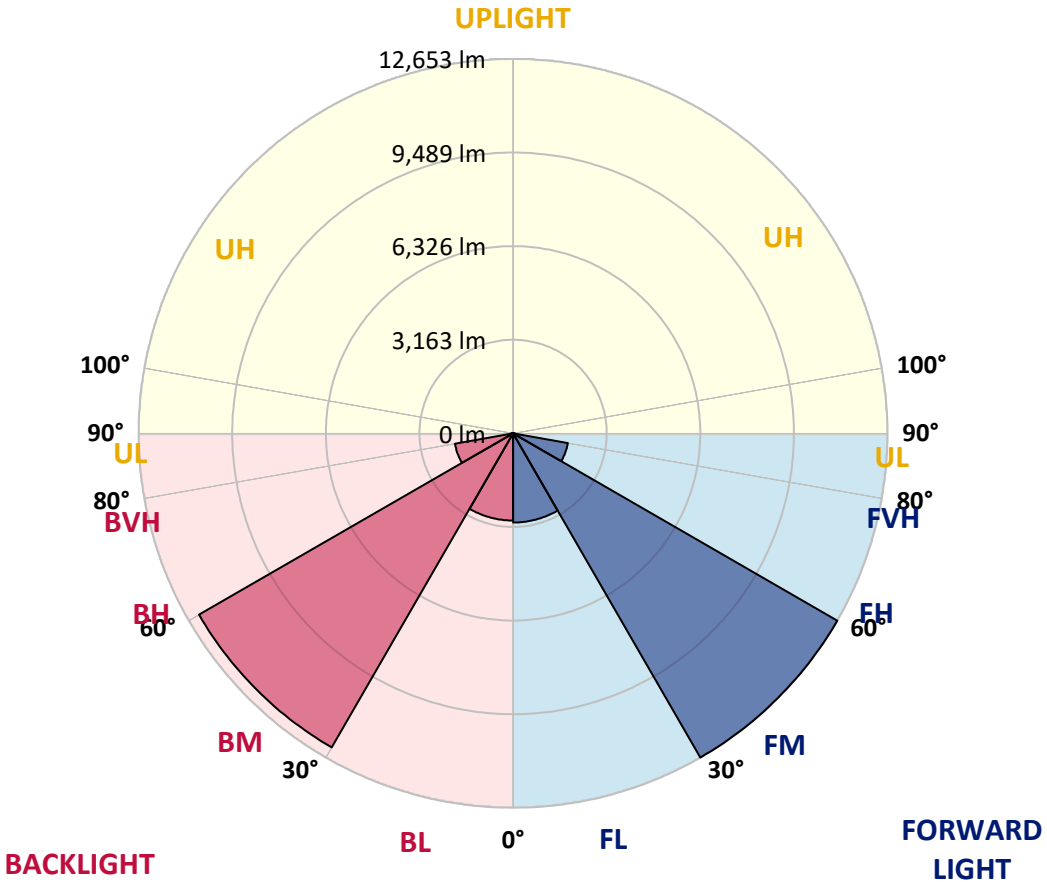
REPORT NUMBER: P643912
CATALOG NUMBER: GWS-SA6F-830-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3013.4	8.6			
FM	(30°-60°)	12652.6	36.3			
FH	(60°-80°)	1879.4	5.4			G2/5000
FVH	(80°-90°)	52.1	0.1			G1/100
BL	(0°-30°)	2946.0	8.5	B4/5000		
BM	(30°-60°)	12254.2	35.2	B5		
BH	(60°-80°)	1994.9	5.7	B3/2500		G2/5000
BVH	(80°-90°)	60.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
Type V Short



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REPORT NUMBER: P643912
CATALOG NUMBER: GWS-SA6F-830-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	5773.6	5773.6	5773.6	5773.6	5773.6	5773.6	*5773.6*	5773.6	5773.6	5773.6	5773.6
2.5°	5688.6	5694.3	5705.6	5725.4	5745.3	5773.6	*5785.0*	5799.1	5796.3	5813.3	5813.3
5°	5660.3	5668.8	5685.8	5714.1	5748.1	5802.0	*5816.1*	5850.2	5884.2	5926.7	5940.9
7.5°	5694.3	5705.6	5725.4	5770.8	5821.8	5892.7	*5921.0*	5977.7	6042.9	6119.4	6150.6
10°	5759.5	5773.6	5807.6	5881.3	5963.5	6071.2	*6096.7*	6167.6	6272.5	6377.3	6439.7
12.5°	5833.1	5855.8	5918.2	6034.4	6156.3	6298.0	*6337.7*	6425.5	6538.9	6675.0	6760.0
15°	5918.2	5938.0	6034.4	6198.8	6388.7	6575.8	*6621.1*	6706.1	6833.7	6966.9	7085.9
17.5°	6096.7	6130.8	6244.1	6434.0	6655.1	6876.2	*6927.2*	7023.6	7125.6	7230.5	7343.9
20°	6340.5	6368.8	6513.4	6748.7	7009.4	7210.7	*7261.7*	7346.7	7394.9	7448.7	7545.1
22.5°	6584.3	6623.9	6788.3	7066.1	7372.2	7590.5	*7630.1*	7709.5	7675.5	7658.5	7720.8
25°	6887.5	6941.4	7103.0	7406.2	7718.0	7987.3	*8018.5*	8086.5	8029.8	7941.9	7939.1
27.5°	7264.5	7312.7	7479.9	7791.7	8100.7	8381.3	*8440.8*	8531.5	8406.8	8299.1	8222.5
30°	7712.3	7743.5	7927.8	8259.4	8576.8	8843.3	*8919.8*	9010.5	8917.0	8738.4	8661.9
32.5°	8233.9	8276.4	8489.0	8837.6	9121.0	9387.5	*9464.0*	9577.4	9475.3	9274.1	9177.7
35°	8860.3	8902.8	9126.7	9506.5	9795.6	10070.5	*10124.4*	10217.9	10090.4	9858.0	9781.4
37.5°	9540.5	9594.4	9877.8	10237.8	10541.1	10861.3	*10864.2*	10892.5	10711.1	10422.0	10337.0
40°	10305.8	10376.7	10660.1	11034.2	11399.9	11660.6	*11657.8*	11578.4	11272.3	10824.5	10694.1
42.5°	11062.6	11119.3	11405.5	11791.0	12156.6	12403.2	*12329.5*	12136.8	11694.6	11085.3	10912.4
45°	11609.6	11652.1	11952.6	12386.2	12757.5	12910.6	*12777.4*	12545.0	11946.9	11249.6	10994.6
47.5°	11867.5	11924.2	12227.5	12658.3	13077.8	13165.7	*13007.0*	12788.7	12094.3	11402.7	11059.7
50°	11728.7	11802.3	12145.3	12545.0	13018.3	13199.7	*13086.3*	12868.1	12250.2	11552.9	11176.0
52.5°	11368.7	11439.5	11873.2	12357.9	12893.6	13253.6	*13250.7*	13072.1	12428.7	11595.4	11181.6
55°	*10138.6*	*10277.5*	*10952.0*	*11788.2*	*12740.5*	*13412.3*	*13480.3*	*13290.4*	*12457.1*	*11606.8*	*11241.1*
57.5°	6598.4	6842.2	7482.8	8571.2	10481.5	12199.2	*12658.3*	12703.7	12253.0	11558.6	11252.5
60°	2755.0	2950.6	3457.9	4180.7	5759.5	7803.0	*8693.0*	9585.9	10662.9	11054.1	11147.6
62.5°	1712.0	1729.0	1780.0	1944.4	2471.6	3469.3	*4041.8*	4878.0	6479.4	7842.7	8472.0
65°	1544.7	1553.2	1564.6	1553.2	1578.7	1700.6	*1853.7*	2145.6	2797.5	3474.9	4279.9
67.5°	1360.5	1371.8	1380.3	1371.8	1380.3	1386.0	*1403.0*	1428.5	1547.6	1643.9	1717.6
70°	1099.7	1116.7	1130.9	1125.2	1159.3	1159.3	*1176.3*	1196.1	1255.6	1326.5	1377.5
72.5°	839.0	824.8	841.8	847.5	878.7	895.7	*921.2*	943.8	1011.9	1054.4	1119.6
75°	544.2	530.0	555.5	569.7	612.2	634.9	*657.6*	680.3	728.4	756.8	819.1
77.5°	294.8	291.9	317.5	337.3	382.6	411.0	*428.0*	445.0	484.7	493.2	532.9
80°	170.1	170.1	187.1	201.2	229.6	260.8	*277.8*	291.9	320.3	328.8	345.8
82.5°	93.5	93.5	102.0	110.5	133.2	150.2	*164.4*	175.7	201.2	209.7	218.2
85°	45.4	42.5	48.2	53.9	62.4	70.9	*79.4*	85.0	104.9	110.5	121.9
87.5°	5.7	5.7	5.7	8.5	11.3	17.0	*19.8*	19.8	31.2	36.8	42.5
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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Scaled Data Report

REPORT NUMBER: P643912
CATALOG NUMBER: GWS-SA6F-830-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5773.6	5773.6	5773.6	5773.6	5773.6	5773.6	5773.6	5773.6	5773.6	5773.6	5773.6
2.5°	5830.3	5793.5	5816.1	5824.6	5824.6	5816.1	5779.3	5768.0	5751.0	5725.4	5725.4
5°	5960.7	5932.4	5938.0	5923.8	5889.8	5847.3	5779.3	5745.3	5716.9	5685.8	5682.9
7.5°	6184.6	6147.8	6142.1	6088.2	5997.5	5906.8	5804.8	5742.4	5699.9	5660.3	5657.4
10°	6476.6	6442.5	6400.0	6292.3	6159.1	6025.9	5887.0	5802.0	5739.6	5682.9	5680.1
12.5°	6802.5	6762.8	6683.5	6524.7	6357.5	6227.1	6068.4	5938.0	5844.5	5768.0	5753.8
15°	7156.8	7100.1	6964.1	6777.0	6612.6	6473.7	6303.7	6116.6	5974.9	5853.0	5838.8
17.5°	7428.9	7355.2	7207.8	7032.1	6896.0	6757.2	6536.1	6300.8	6096.7	5943.7	5921.0
20°	7616.0	7556.5	7389.2	7258.8	7179.5	7057.6	6799.7	6533.2	6303.7	6110.9	6099.6
22.5°	7788.9	7718.0	7553.6	7477.1	7477.1	7394.9	7148.3	6833.7	6564.4	6340.5	6312.2
25°	7984.4	7907.9	7783.2	7774.7	7814.4	7777.5	7479.9	7142.6	6828.0	6575.8	6530.4
27.5°	8256.5	8171.5	8097.8	8148.8	8205.5	8165.8	7834.2	7443.1	7111.5	6856.4	6816.7
30°	8690.2	8585.3	8517.3	8579.7	8690.2	8574.0	8214.0	7800.2	7465.8	7185.1	7165.3
32.5°	9194.7	9075.7	9004.8	9104.0	9203.2	9021.8	8664.7	8267.9	7916.4	7621.6	7587.6
35°	9801.3	9651.1	9546.2	9679.4	9781.4	9602.9	9248.6	8871.6	8480.5	8174.3	8129.0
37.5°	10339.8	10158.4	10087.6	10274.6	10410.7	10294.5	9909.0	9554.7	9126.7	8792.2	8772.4
40°	10731.0	10552.4	10501.4	10810.3	11048.4	11020.1	10674.3	10269.0	9866.5	9481.0	9444.1
42.5°	10901.0	10776.3	10787.6	11204.3	11572.8	11754.2	11445.2	11011.6	10623.2	10223.6	10198.1
45°	10937.9	10861.3	10952.0	11473.6	11958.2	12329.5	12065.9	11703.1	11263.8	10878.3	10867.0
47.5°	10977.5	10935.0	11073.9	11626.6	12202.0	12632.8	12485.4	12111.3	11666.3	11289.3	11261.0
50°	11071.1	11054.1	11210.0	11734.3	12318.2	12715.0	12547.8	12176.5	11720.2	11348.8	11280.8
52.5°	11099.4	11071.1	11295.0	11901.6	12510.9	12712.2	12352.2	11867.5	11408.4	10994.6	10923.7
55°	*11187.3*	*11136.3*	*11289.3*	*11963.9*	*12777.4*	*12876.6*	*12340.9*	*11615.3*	*10974.7*	*10410.7*	*10243.4*
57.5°	11210.0	11153.3	11252.5	11861.9	12488.3	12400.4	10847.2	9373.3	8165.8	7539.4	7610.3
60°	11088.1	11105.1	10935.0	10867.0	10016.7	8843.3	6640.9	5308.8	4169.4	3687.5	3792.4
62.5°	8440.8	8511.6	7930.6	6896.0	5303.1	4203.4	2780.5	2159.8	1828.2	1743.1	1757.3
65°	4260.1	4356.4	3752.7	3103.6	2307.2	1865.0	1612.8	1561.7	1544.7	1524.9	1524.9
67.5°	1686.5	1714.8	1692.1	1584.4	1473.9	1434.2	1422.9	1417.2	1397.3	1386.0	1388.8
70°	1354.8	1377.5	1343.5	1275.5	1230.1	1227.3	1221.6	1210.3	1196.1	1196.1	1204.6
72.5°	1105.4	1128.1	1079.9	1037.4	1003.4	977.9	963.7	955.2	935.3	935.3	943.8
75°	813.5	827.6	788.0	782.3	745.4	719.9	697.3	685.9	660.4	649.1	657.6
77.5°	541.4	538.5	518.7	518.7	504.5	473.3	447.8	422.3	388.3	365.6	371.3
80°	351.5	351.5	343.0	343.0	328.8	303.3	272.1	246.6	226.8	209.7	209.7
82.5°	223.9	221.1	218.2	215.4	209.7	184.2	161.6	144.6	130.4	119.0	121.9
85°	124.7	124.7	119.0	119.0	107.7	93.5	82.2	70.9	62.4	59.5	59.5
87.5°	42.5	42.5	39.7	39.7	34.0	25.5	19.8	17.0	14.2	11.3	14.2
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

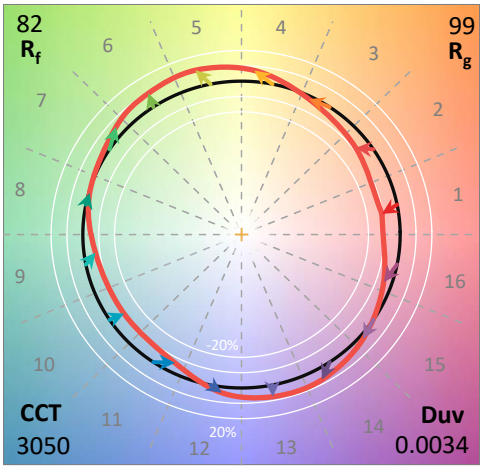
Test Information

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

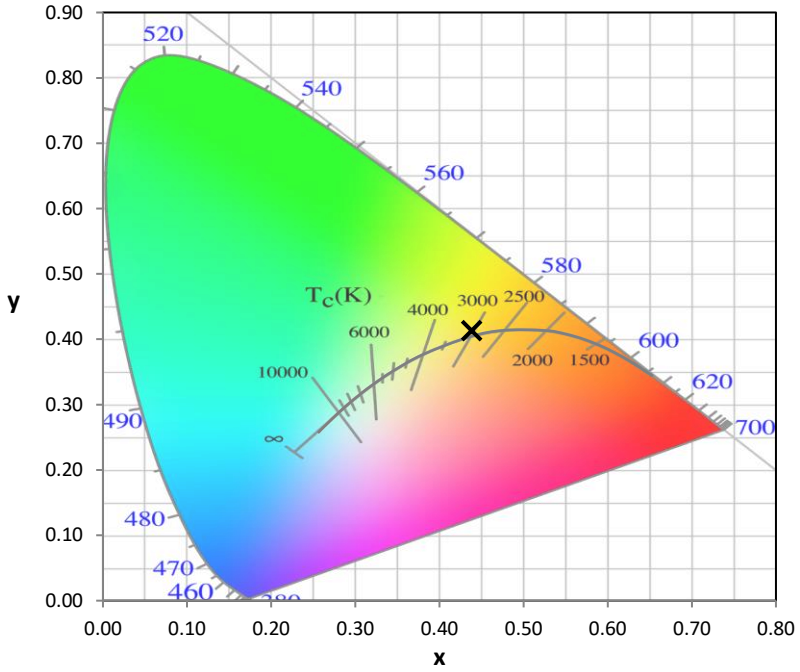
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

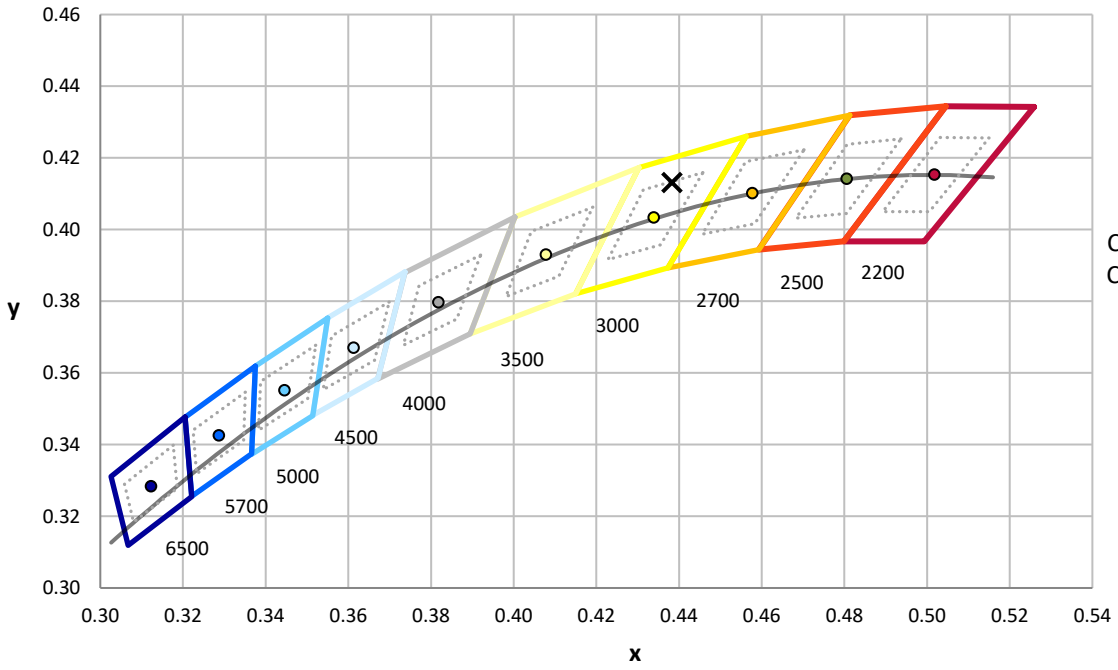
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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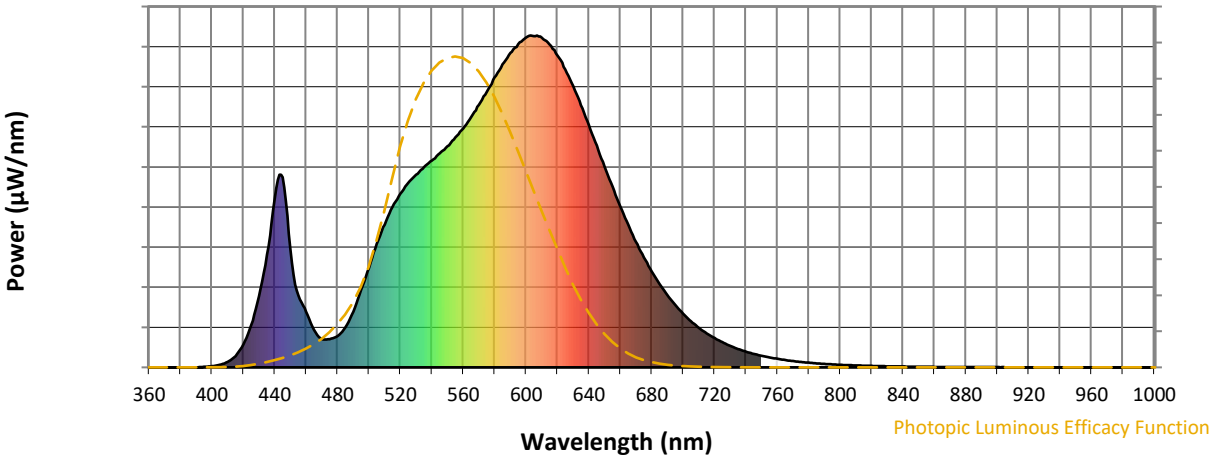
Photopic Flux vs. Wavelength



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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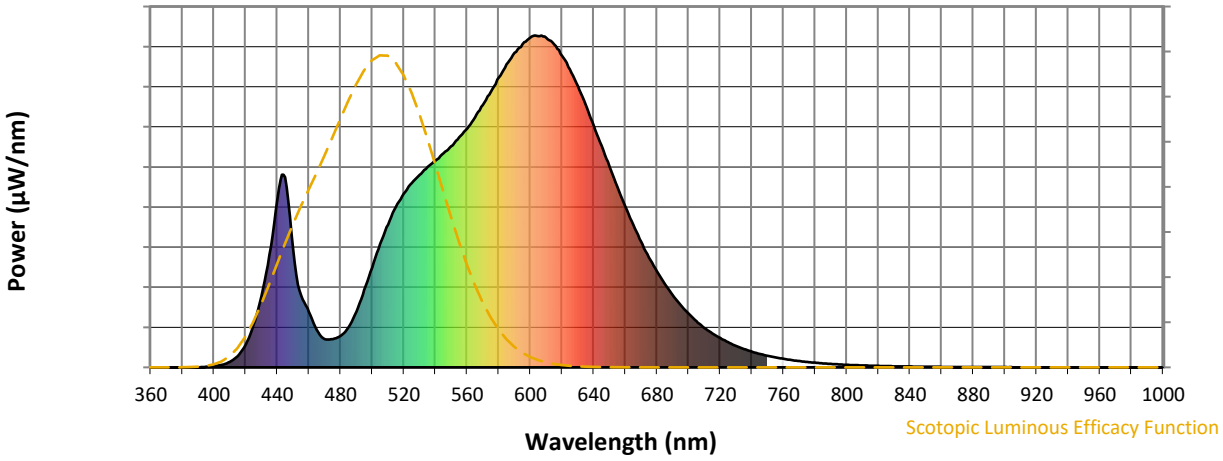
Scotopic Flux vs. Wavelength



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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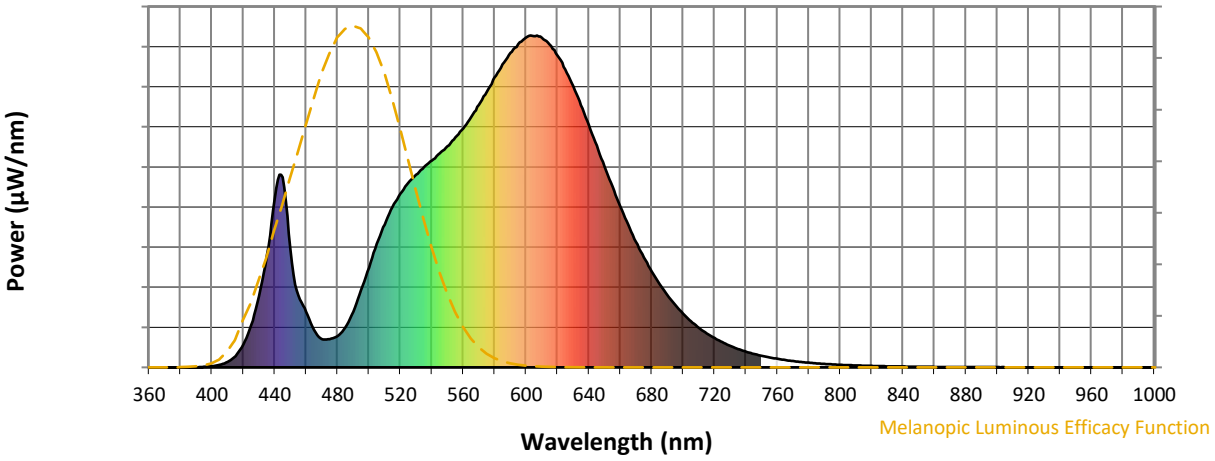
Melanopic Flux vs. Wavelength



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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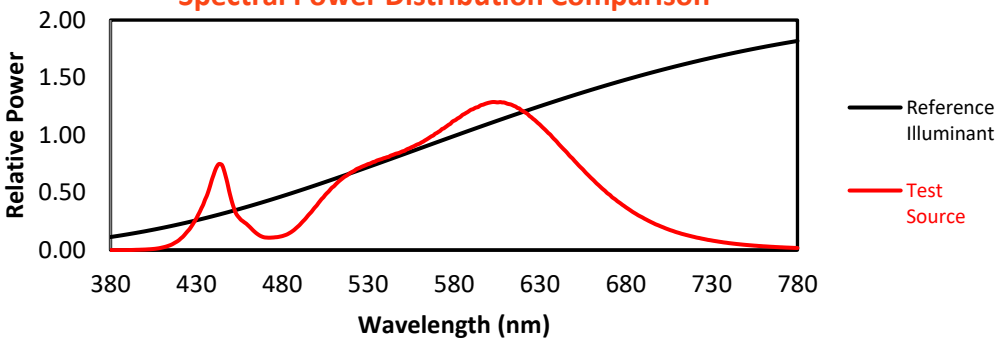
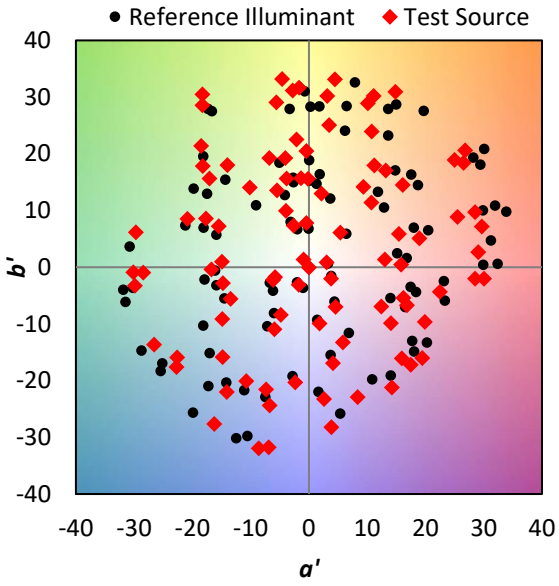
Summary

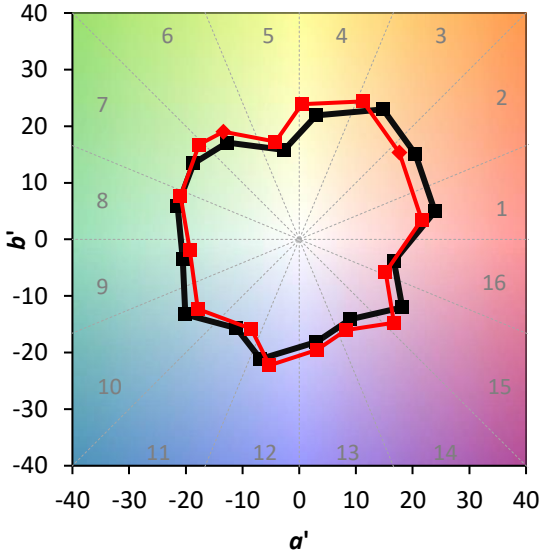
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

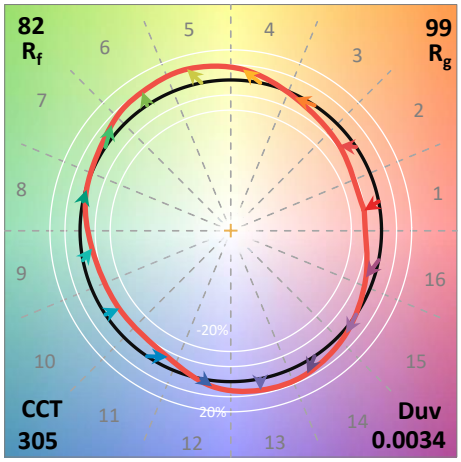
Spectral Power Distribution Comparison

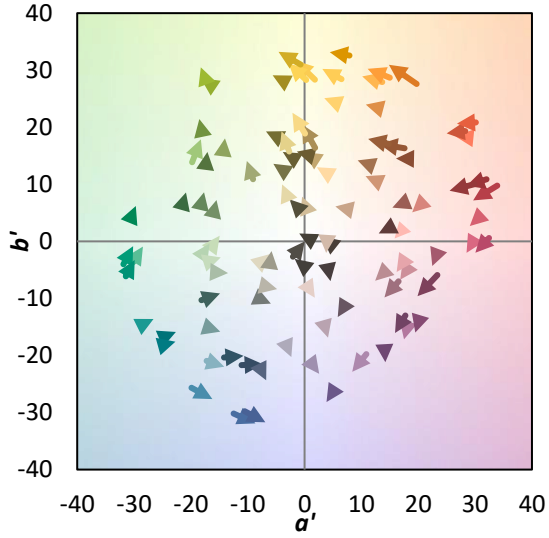


Color Vector Graphics









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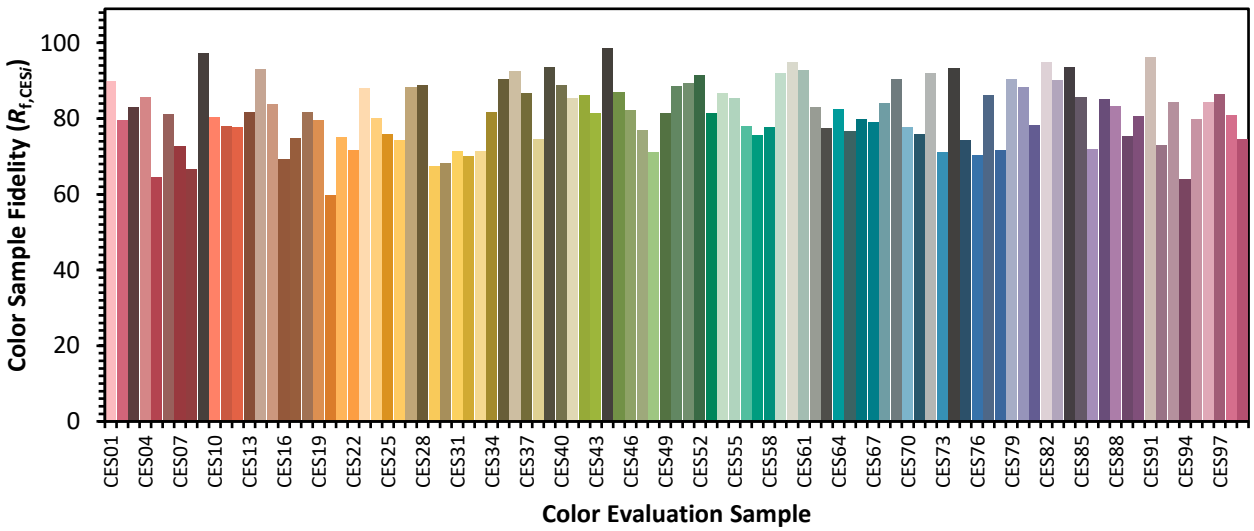
Individual Sample Fidelity Index ($R_{f,i}$)

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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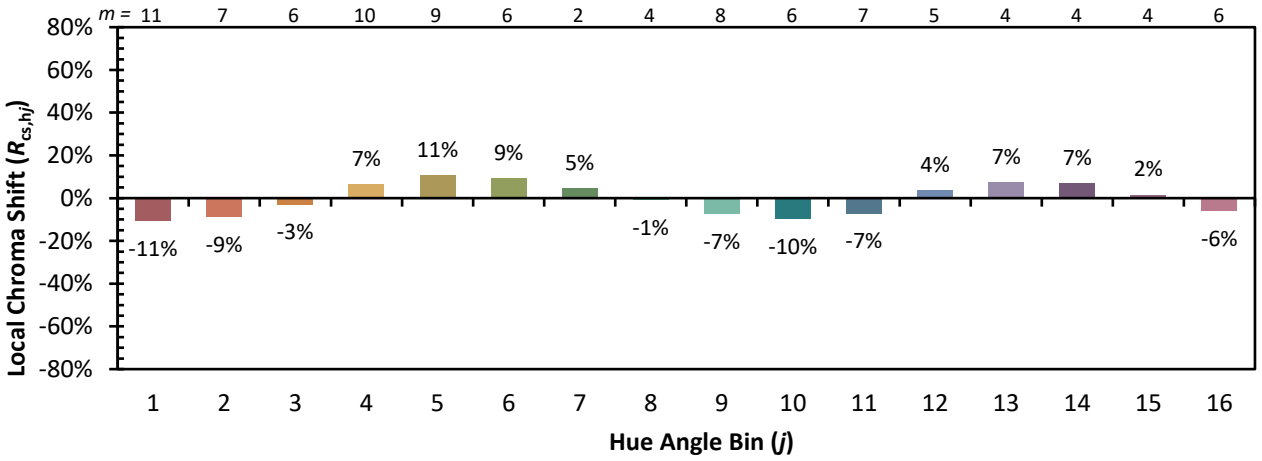
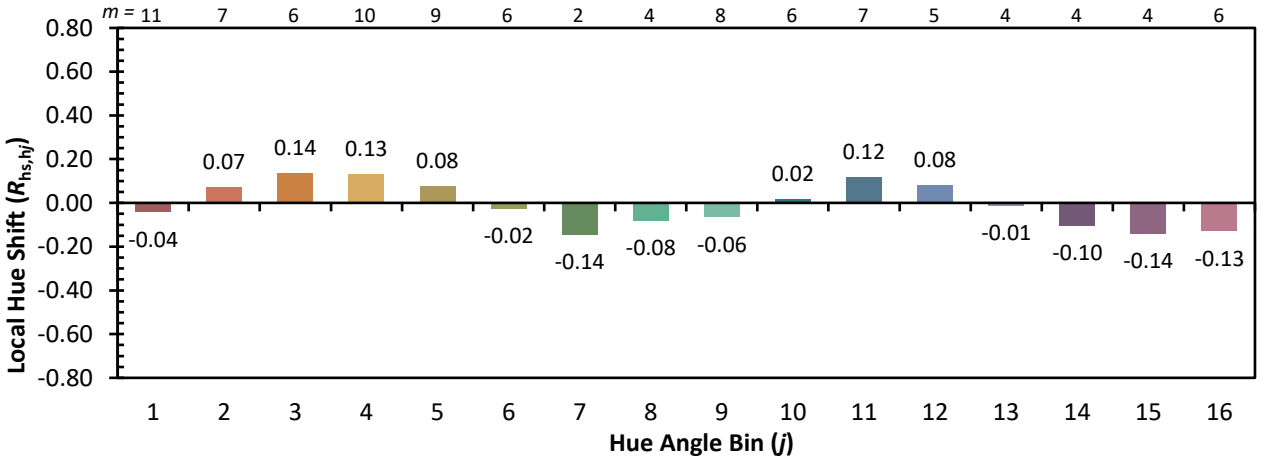
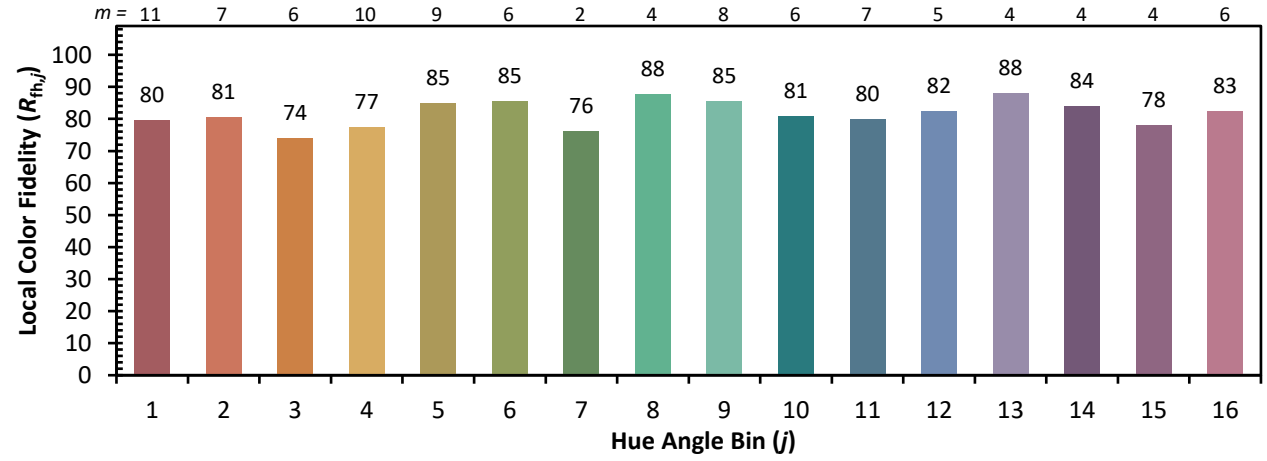
Color Rendition by Hue-Angle Bin







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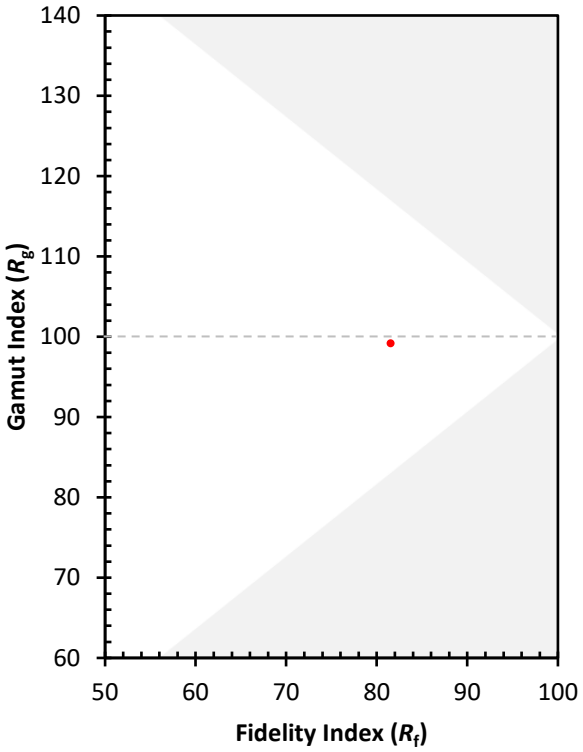
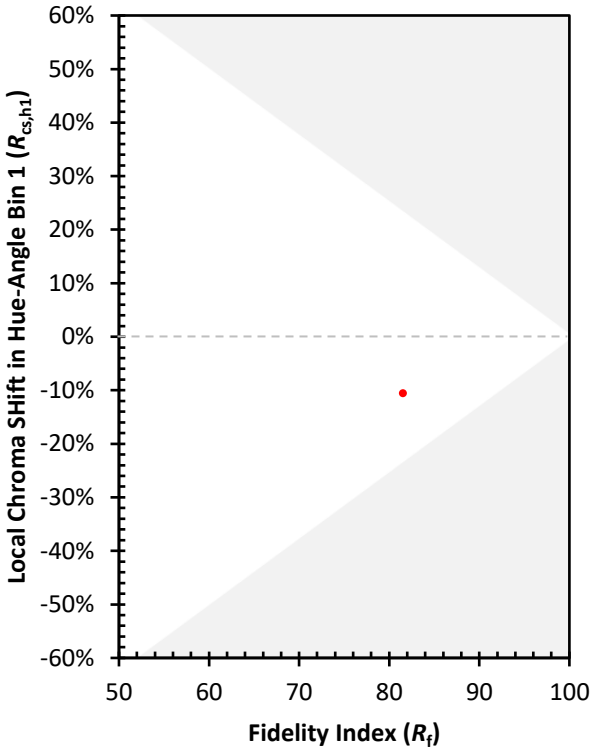
Measure Comparisons





(END OF REPORT)