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: P643923

Luminaire Tested: GWS-SA6F-830-U-SL4-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:	P643923
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-SL4-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	37970.8 lumens
Efficiency:	N/A
Efficacy:	101.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

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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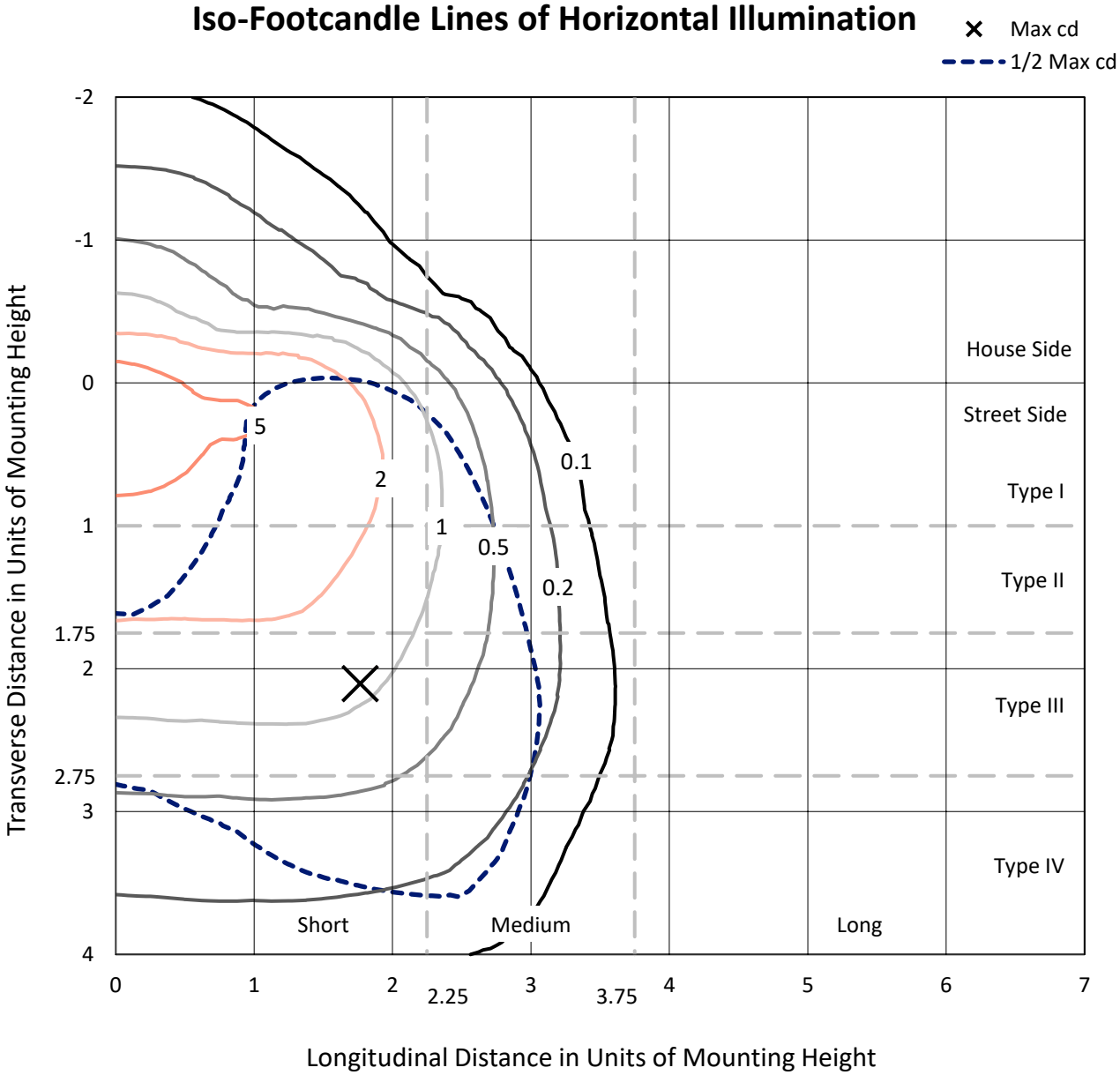
REPORT NUMBER: P643923
CATALOG NUMBER: GWS-SA6F-830-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 7.2 fc
Type IV - Short - N/A

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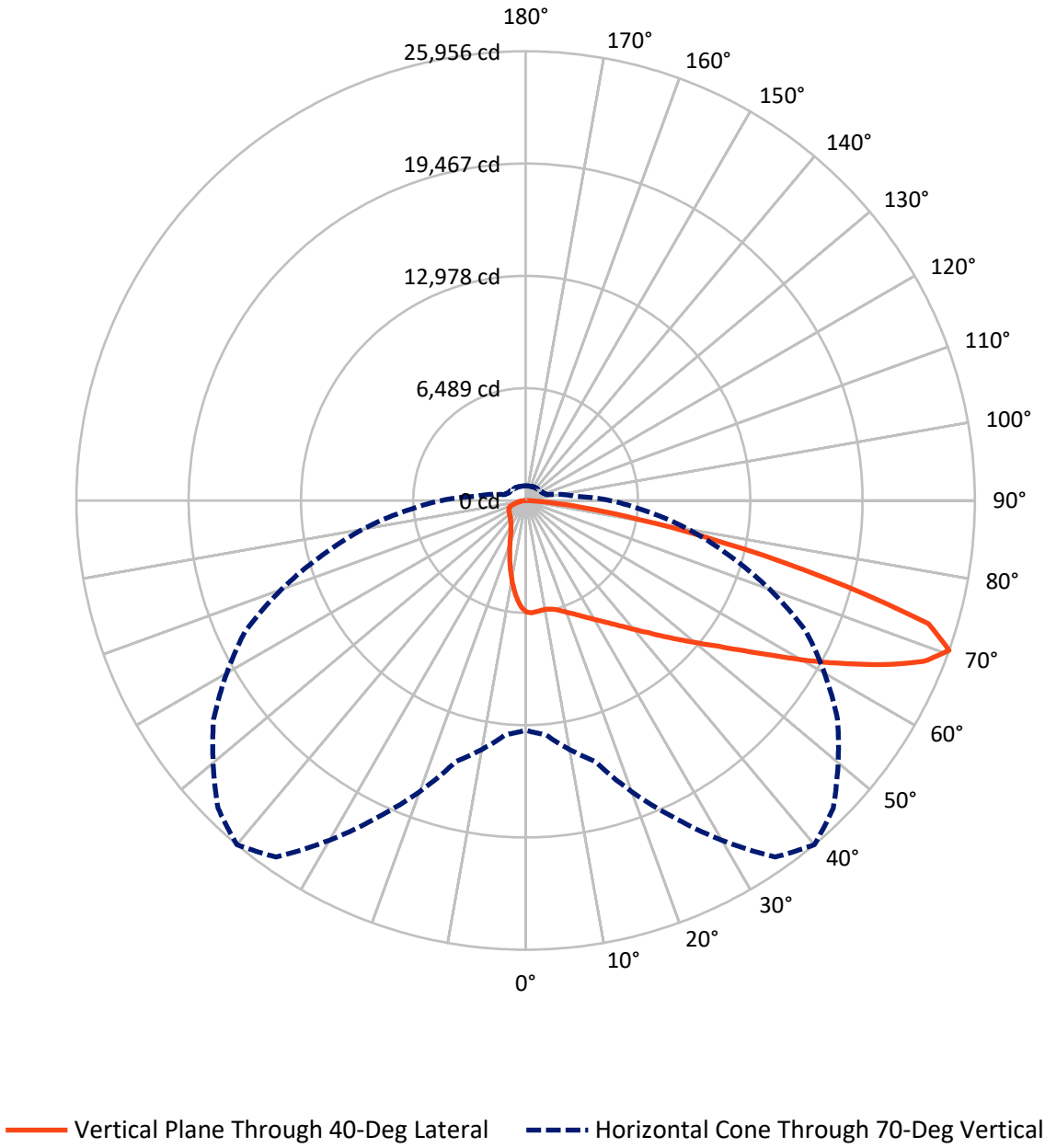
Luminous Intensity Polar Plot



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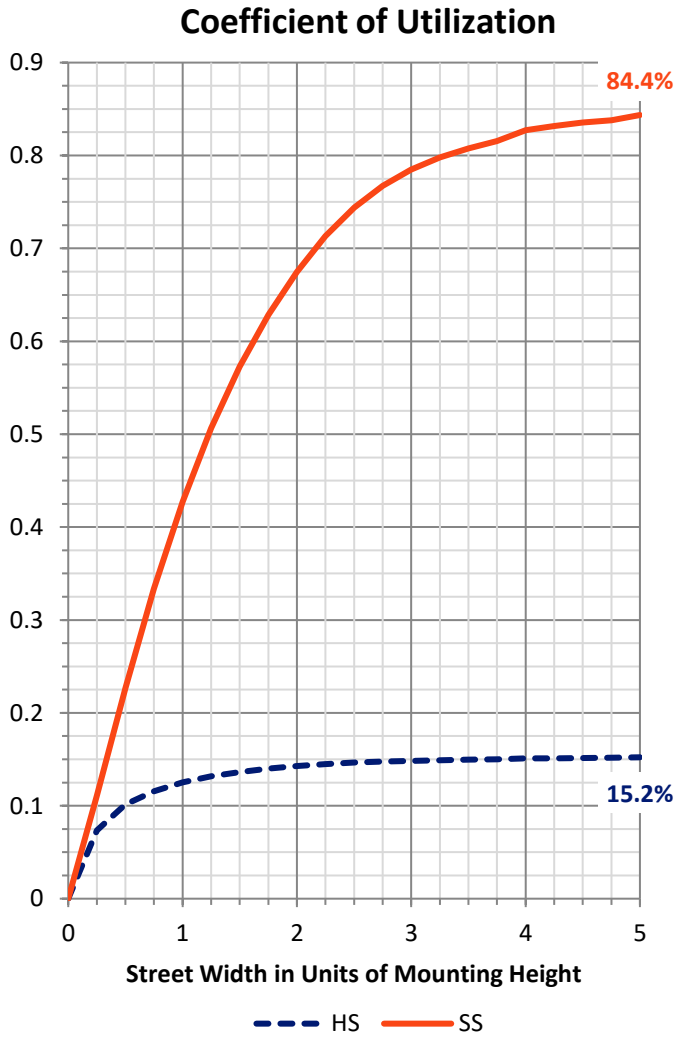
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5848.5	0.0	5848.5
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	32122.3	0.0	32122.3
	% Fixture	84.6	0.0	84.6
Total	Lumens	37970.8	0.0	37970.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.6	1.5
10°-20°	1484.8	3.9
20°-30°	2331.3	6.1
30°-40°	3505.2	9.2
40°-50°	5410.4	14.2
50°-60°	8034.9	21.2
60°-70°	10127.8	26.7
70°-80°	5856.8	15.4
80°-90°	650.0	1.7
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°	37970.8	100.0
0°-180°	37970.8	100.0



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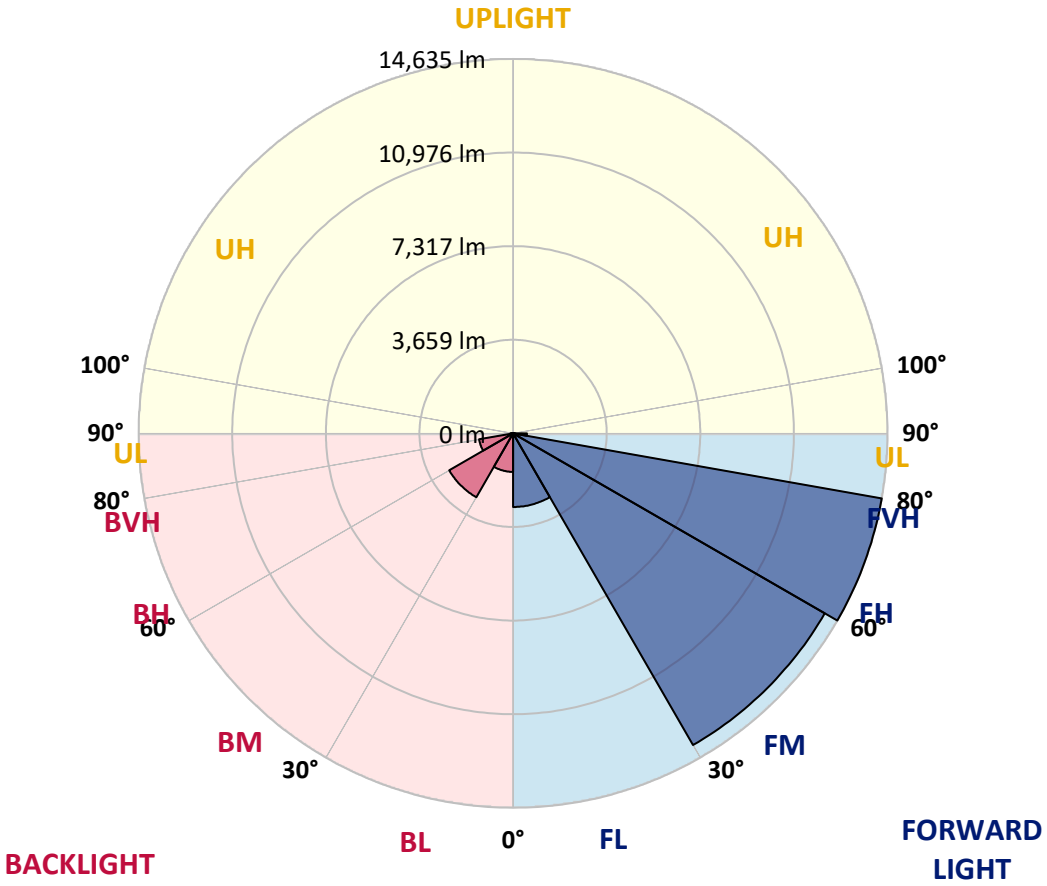
REPORT NUMBER: P643923
CATALOG NUMBER: GWS-SA6F-830-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2878.5	7.6			
FM	(30°-60°)	14067.7	37.0			
FH	(60°-80°)	14634.8	38.5			G5
FVH	(80°-90°)	541.3	1.4			G4/750
BL	(0°-30°)	1507.2	4.0	B3/2500		
BM	(30°-60°)	2882.8	7.6	B3/5000		
BH	(60°-80°)	1349.8	3.6	B3/2500		G3/2500
BVH	(80°-90°)	108.7	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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Scaled Data Report

REPORT NUMBER: P643923
CATALOG NUMBER: GWS-SA6F-830-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	6447.9	6447.9	6447.9	6447.9	6447.9	*6447.9*	6447.9	6447.9	6447.9	6447.9	6447.9
2.5°	6487.6	6498.9	6507.4	6518.7	6513.1	*6496.1*	6510.2	6510.2	6479.1	6445.0	6413.9
5°	6496.1	6510.2	6507.4	6504.6	6481.9	*6453.5*	6453.5	6436.5	6382.7	6328.8	6277.8
7.5°	6479.1	6476.2	6473.4	6464.9	6439.4	*6408.2*	6402.5	6368.5	6297.7	6224.0	6150.3
10°	6402.5	6399.7	6408.2	6428.0	6422.4	*6394.0*	6394.0	6362.9	6280.7	6190.0	6093.6
12.5°	6340.2	6340.2	6374.2	6428.0	6447.9	*6436.5*	6439.4	6416.7	6323.2	6215.5	6102.1
15°	6348.7	6351.5	6425.2	6513.1	6549.9	*6541.4*	6544.2	6518.7	6413.9	6306.2	6153.1
17.5°	6405.4	6419.5	6547.1	6668.9	6717.1	*6705.8*	6686.0	6643.4	6524.4	6402.5	6215.5
20°	6524.4	6547.1	6711.5	6864.5	6921.2	*6895.7*	6861.7	6776.6	6646.3	6513.1	6283.5
22.5°	6759.6	6773.8	6955.2	7105.4	7150.8	*7119.6*	7051.6	6929.7	6779.5	6640.6	6365.7
25°	7091.2	7108.3	7281.1	7420.0	7408.7	*7371.8*	7278.3	7128.1	6949.5	6802.2	6484.7
27.5°	7485.2	7513.5	7683.6	7794.1	7720.4	*7666.6*	7561.7	7380.3	7179.1	7045.9	6666.1
30°	7916.0	7927.3	8071.9	8182.4	8069.1	*7995.4*	7867.8	7672.3	7490.9	7391.7	6938.2
32.5°	8332.6	8344.0	8468.7	8531.0	8412.0	*8358.1*	8247.6	8040.7	7913.2	7859.3	7343.5
35°	8771.9	8769.1	8871.1	8925.0	8803.1	*8780.4*	8667.1	8508.4	8485.7	8556.5	7935.8
37.5°	9211.3	9185.7	9239.6	9310.5	9242.4	*9265.1*	9191.4	9137.6	9225.4	9409.6	8723.8
40°	9562.7	9562.7	9619.4	9707.2	9729.9	*9829.1*	9786.6	9857.5	10140.9	10580.2	9698.7
42.5°	9874.5	9877.3	9996.3	10132.4	10296.8	*10449.8*	10483.8	10668.0	11254.7	11943.5	10923.1
45°	10200.4	10203.2	10364.8	10563.2	10911.8	*11203.7*	11271.7	11685.5	12524.5	13363.4	12252.4
47.5°	10577.4	10546.2	10770.1	11101.7	11597.7	*12017.1*	12192.9	12779.6	13839.6	14871.2	13505.1
50°	11002.5	10937.3	11186.7	11759.2	12371.4	*12946.8*	13241.5	13913.2	15251.0	16262.8	14684.2
52.5°	11481.5	11444.6	11705.4	12402.6	13337.9	*14001.1*	14400.7	15282.2	16622.8	17648.8	15619.5
55°	12076.7	11988.8	12365.8	13252.9	14471.6	*15316.2*	15789.5	16636.9	18122.1	18907.2	16333.7
57.5°	12728.5	12632.2	13136.7	14315.7	15945.4	*16872.2*	17464.5	18161.8	19533.5	19870.8	16753.1
60°	13431.4	13400.2	13998.3	15562.8	17702.6	*18779.6*	19207.6	19839.6	20760.7	20429.1	16648.3
62.5°	14074.8	14063.5	14933.6	16914.7	19564.7	*20749.4*	21089.5	21256.7	21645.0	20392.3	15815.0
65°	14752.2	14848.5	16024.7	18482.0	21698.9	*22860.9*	23002.6	22577.5	21942.6	19425.8	14108.8
67.5°	14837.2	15024.3	16710.6	19950.2	23722.5	*24819.4*	24706.0	23079.1	21064.0	16736.1	11059.2
70°	*13269.9*	*13595.8*	*15616.6*	*20174.1*	*25148.1*	*25955.9*	*25136.8*	*21999.3*	*17875.5*	*12124.8*	*6955.2*
72.5°	11087.5	11368.1	13153.7	17203.8	23308.7	*24337.5*	23229.4	18620.9	12632.2	6955.2	3542.8
75°	8630.2	8956.2	10602.9	13675.2	17450.4	*17861.3*	17305.8	12986.4	6943.9	2868.2	1609.8
77.5°	5266.0	5501.2	6782.3	9265.1	12209.9	*11594.8*	9826.3	7281.1	3046.8	1374.6	994.8
80°	2329.7	2474.3	3341.6	4976.9	7054.4	*6668.9*	5257.5	3109.2	1666.5	872.9	694.4
82.5°	1249.9	1343.4	1646.7	1969.8	3097.8	*3239.5*	2627.3	1791.2	895.6	498.8	396.8
85°	549.8	603.7	748.2	714.2	1017.5	*1000.5*	1009.0	1230.1	428.0	229.6	257.9
87.5°	0.0	0.0	0.0	0.0	2.8	*2.8*	31.2	164.4	42.5	68.0	59.5
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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REPORT NUMBER: P643923
CATALOG NUMBER: GWS-SA6F-830-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6447.9	6447.9	6447.9	6447.9	6447.9	6447.9	6447.9	6447.9	6447.9	6447.9	6447.9
2.5°	6379.9	6328.8	6314.7	6297.7	6266.5	6212.6	6173.0	6127.6	6107.8	6085.1	6087.9
5°	6221.1	6158.8	6099.3	6022.7	5926.4	5818.7	5745.0	5660.0	5614.6	5572.1	5583.4
7.5°	6085.1	5988.7	5866.9	5705.3	5532.4	5339.7	5183.8	5061.9	4979.7	4923.1	4951.4
10°	6000.1	5886.7	5674.1	5410.5	5118.6	4823.9	4600.0	4390.2	4259.9	4157.8	4152.1
12.5°	5983.1	5835.7	5526.8	5144.1	4721.8	4327.9	3999.1	3715.7	3542.8	3415.2	3463.4
15°	6000.1	5813.0	5399.2	4897.6	4364.7	3831.9	3423.8	3097.8	2890.9	2774.7	2766.2
17.5°	6019.9	5790.3	5254.7	4631.1	3990.6	3381.2	2907.9	2562.1	2349.6	2233.4	2236.2
20°	6036.9	5756.3	5084.6	4339.2	3610.8	2961.8	2471.5	2142.7	1952.8	1867.8	1881.9
22.5°	6065.3	5722.3	4903.2	4027.4	3222.5	2556.5	2125.7	1859.3	1745.9	1689.2	1692.0
25°	6119.1	5702.5	4716.2	3687.3	2839.9	2233.4	1887.6	1709.0	1638.2	1604.2	1601.3
27.5°	6229.6	5719.5	4520.6	3358.6	2494.1	1986.8	1734.5	1618.3	1570.2	1547.5	1544.7
30°	6413.9	5787.5	4350.5	3024.1	2196.5	1794.1	1629.7	1558.8	1530.5	1510.6	1507.8
32.5°	6694.5	5915.0	4166.3	2712.4	1955.6	1652.4	1547.5	1510.6	1490.8	1479.5	1479.5
35°	7119.6	6147.4	3984.9	2440.3	1768.6	1541.8	1482.3	1468.1	1451.1	1445.5	1451.1
37.5°	7731.8	6518.7	3820.5	2202.2	1635.4	1456.8	1411.4	1417.1	1402.9	1411.4	1420.0
40°	8508.4	7014.7	3681.7	2006.6	1536.2	1394.4	1349.1	1368.9	1360.4	1368.9	1383.1
42.5°	9491.8	7629.8	3576.8	1853.6	1465.3	1343.4	1300.9	1320.8	1315.1	1326.4	1340.6
45°	10588.7	8440.3	3528.6	1745.9	1414.3	1306.6	1261.2	1275.4	1269.7	1278.2	1292.4
47.5°	11640.2	9177.2	3571.1	1683.5	1371.8	1275.4	1227.2	1232.9	1230.1	1227.2	1235.7
50°	12547.1	9763.9	3693.0	1663.7	1343.4	1244.2	1198.9	1201.7	1193.2	1176.2	1181.9
52.5°	13286.9	10234.4	3766.7	1663.7	1329.3	1210.2	1167.7	1170.5	1153.5	1130.9	1133.7
55°	13774.4	10424.3	3707.2	1660.9	1323.6	1181.9	1136.5	1139.4	1122.4	1094.0	1096.8
57.5°	13913.2	10240.1	3457.8	1629.7	1317.9	1159.2	1105.4	1111.0	1099.7	1068.5	1068.5
60°	13525.0	9565.5	3001.5	1558.8	1303.7	1145.0	1082.7	1091.2	1085.5	1054.3	1054.3
62.5°	12507.5	8366.7	2457.3	1451.1	1264.1	1128.0	1062.8	1079.8	1094.0	1077.0	1074.2
65°	10602.9	6703.0	1998.1	1332.1	1213.1	1099.7	1034.5	1077.0	1108.2	1130.9	1130.9
67.5°	7955.7	4798.4	1629.7	1207.4	1136.5	1043.0	997.6	1037.3	1060.0	1074.2	1082.7
70°	*4849.4*	*2822.9*	*1283.9*	*1062.8*	*1026.0*	*958.0*	*924.0*	*884.3*	*853.1*	*847.4*	*850.3*
72.5°	2372.3	1615.5	1043.0	904.1	875.8	813.4	736.9	719.9	705.7	697.2	694.4
75°	1306.6	1125.2	861.6	751.1	700.1	623.5	606.5	578.2	572.5	561.2	564.0
77.5°	924.0	887.1	711.4	609.4	532.8	493.2	501.7	481.8	481.8	473.3	470.5
80°	694.4	697.2	547.0	445.0	394.0	379.8	388.3	388.3	382.6	379.8	377.0
82.5°	439.3	496.0	368.5	286.3	280.6	283.4	280.6	277.8	283.4	274.9	272.1
85°	303.3	357.1	223.9	170.1	170.1	167.2	172.9	170.1	175.7	167.2	167.2
87.5°	68.0	158.7	82.2	51.0	53.9	51.0	53.9	56.7	62.4	65.2	65.2
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

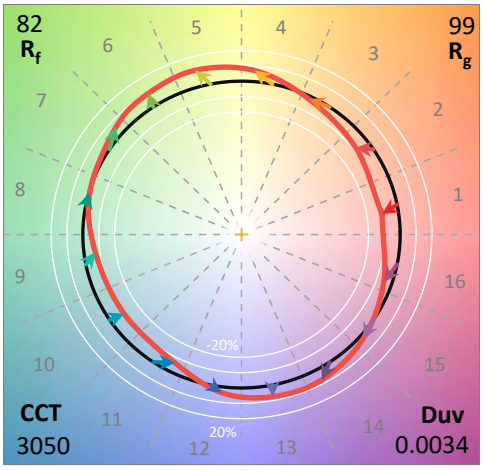
Test Information

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

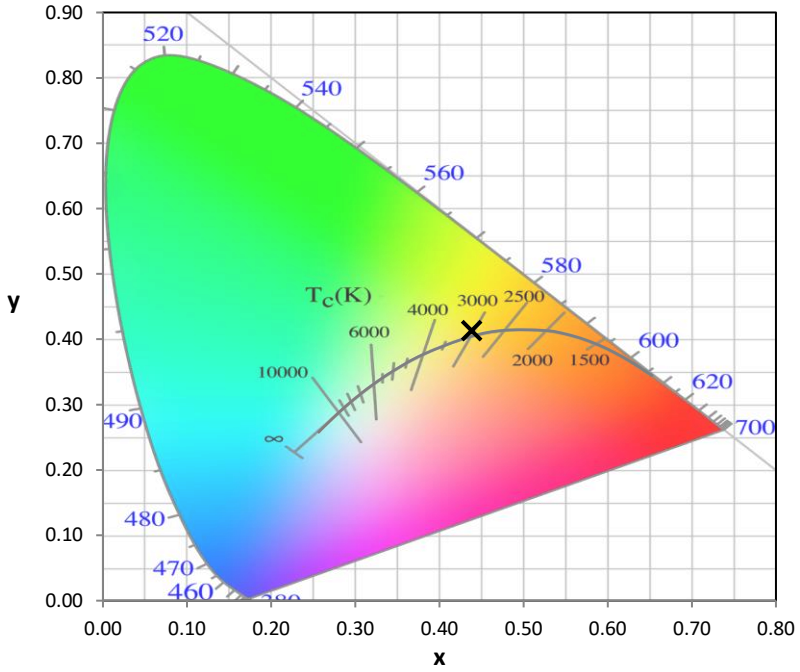
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

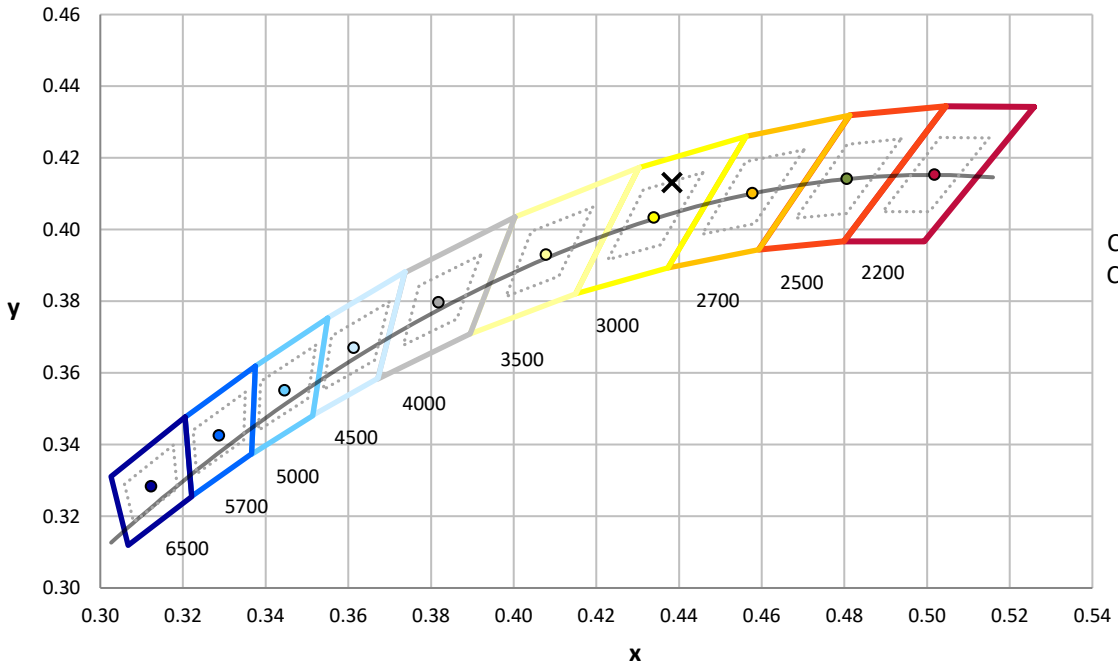
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

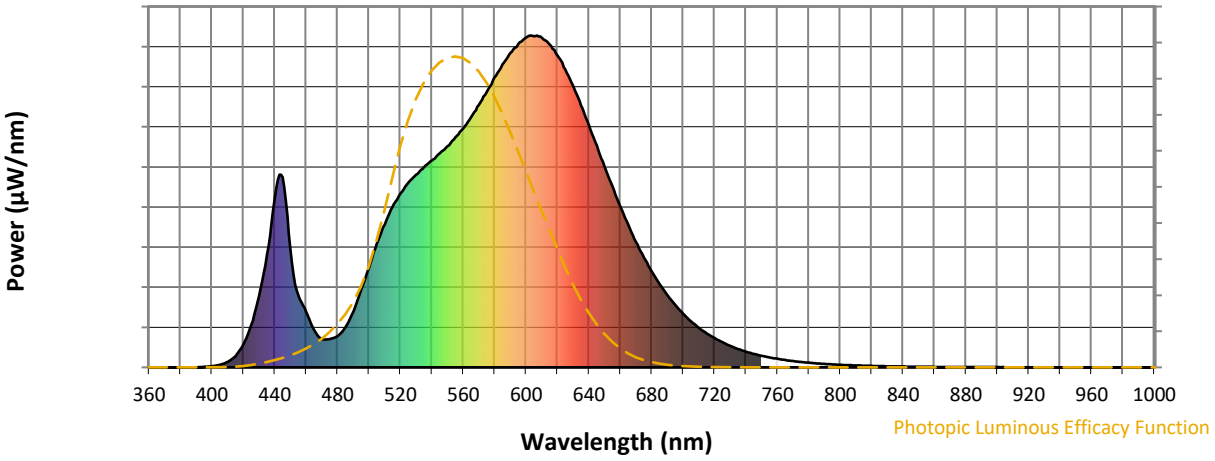


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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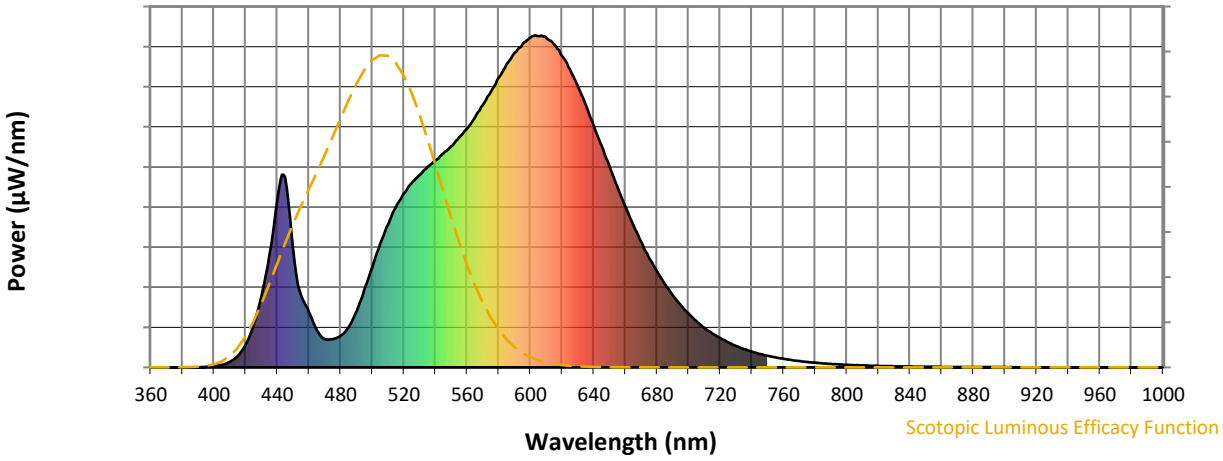
Scotopic Flux vs. Wavelength



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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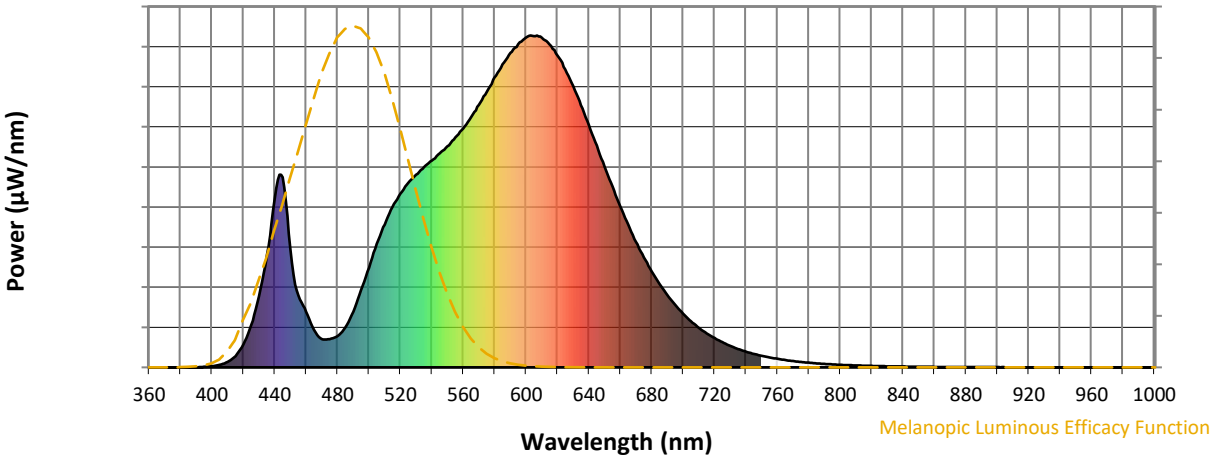
Melanopic Flux vs. Wavelength



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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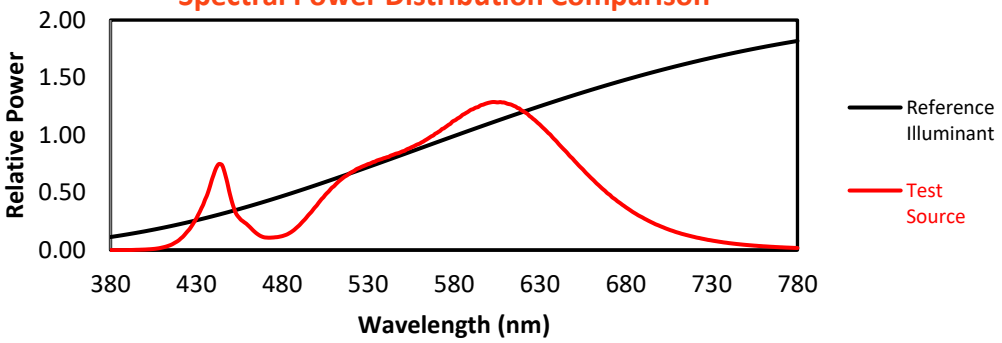
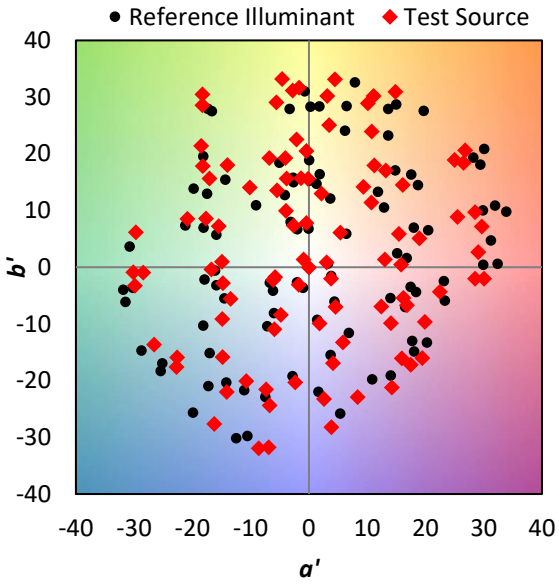
Summary

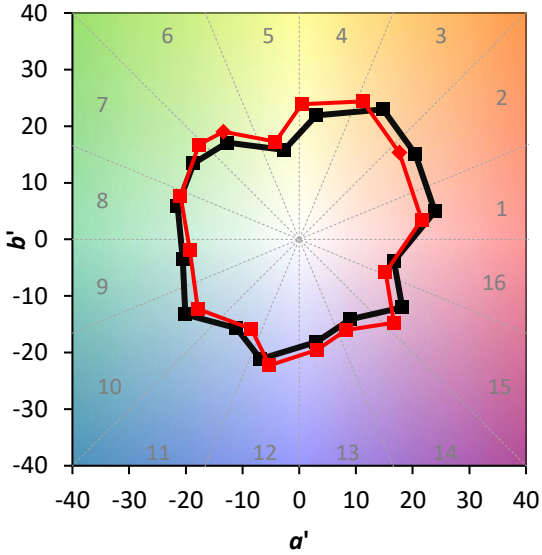
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

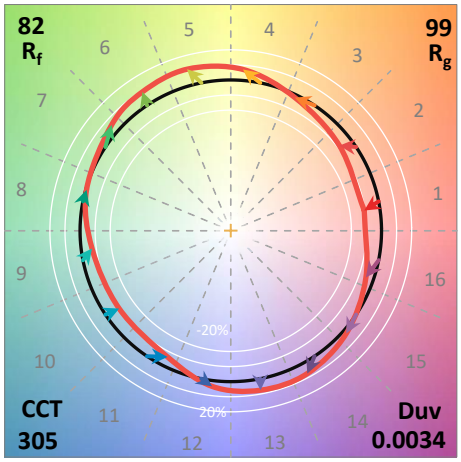
Spectral Power Distribution Comparison

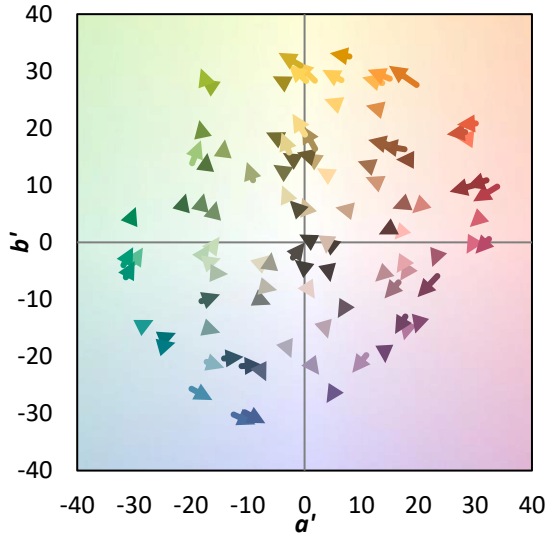


Color Vector Graphics









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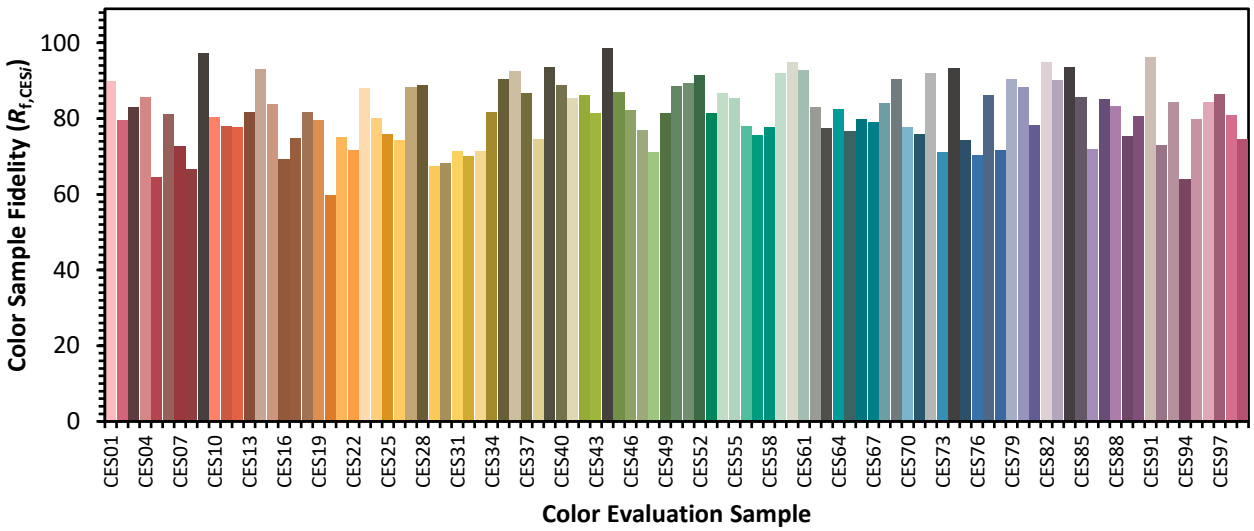
Individual Sample Fidelity Index ($R_{f,i}$)

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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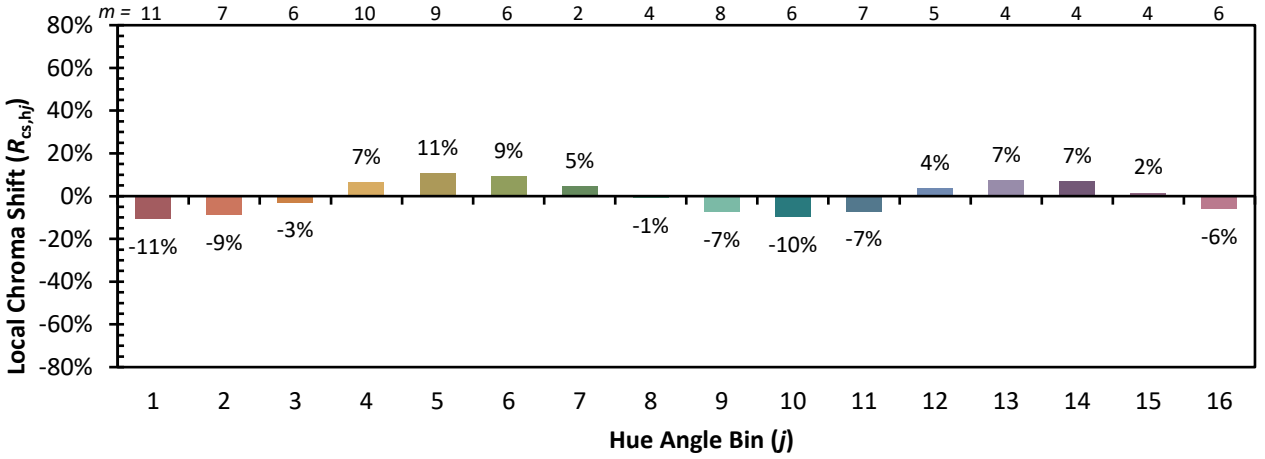
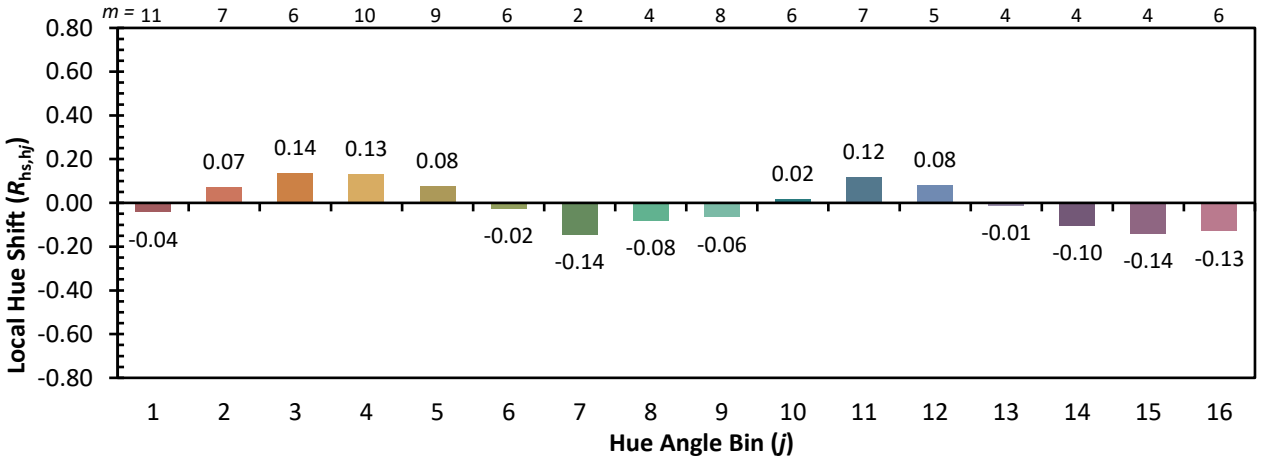
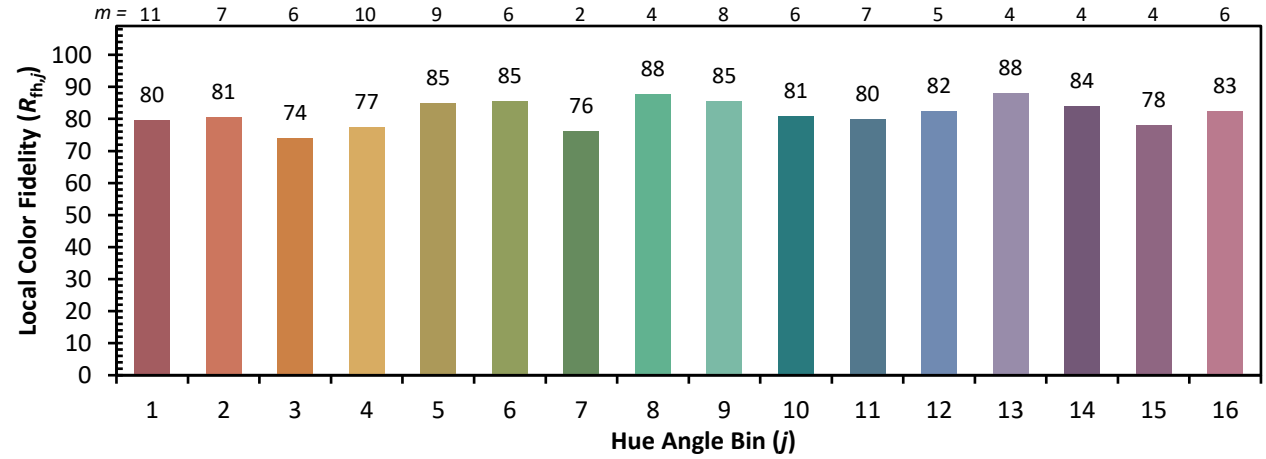
Color Rendition by Hue-Angle Bin







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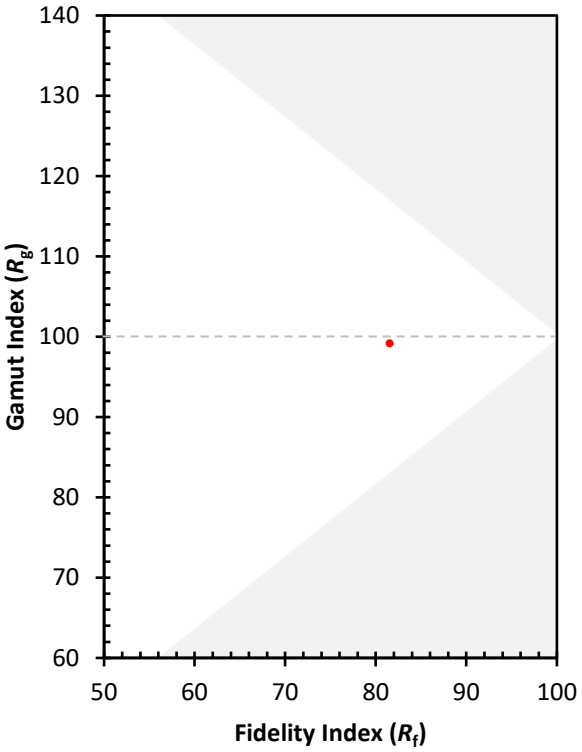
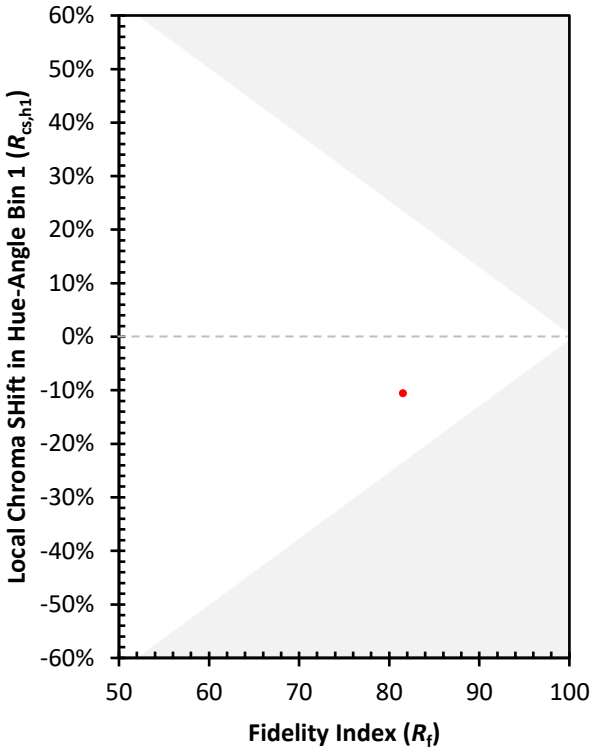
Measure Comparisons





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