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: P643917

Luminaire Tested: GWS-SA6F-830-U-SL2-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:	P643917
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-SL2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	38852.3 lumens
Efficiency:	N/A
Efficacy:	104.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - 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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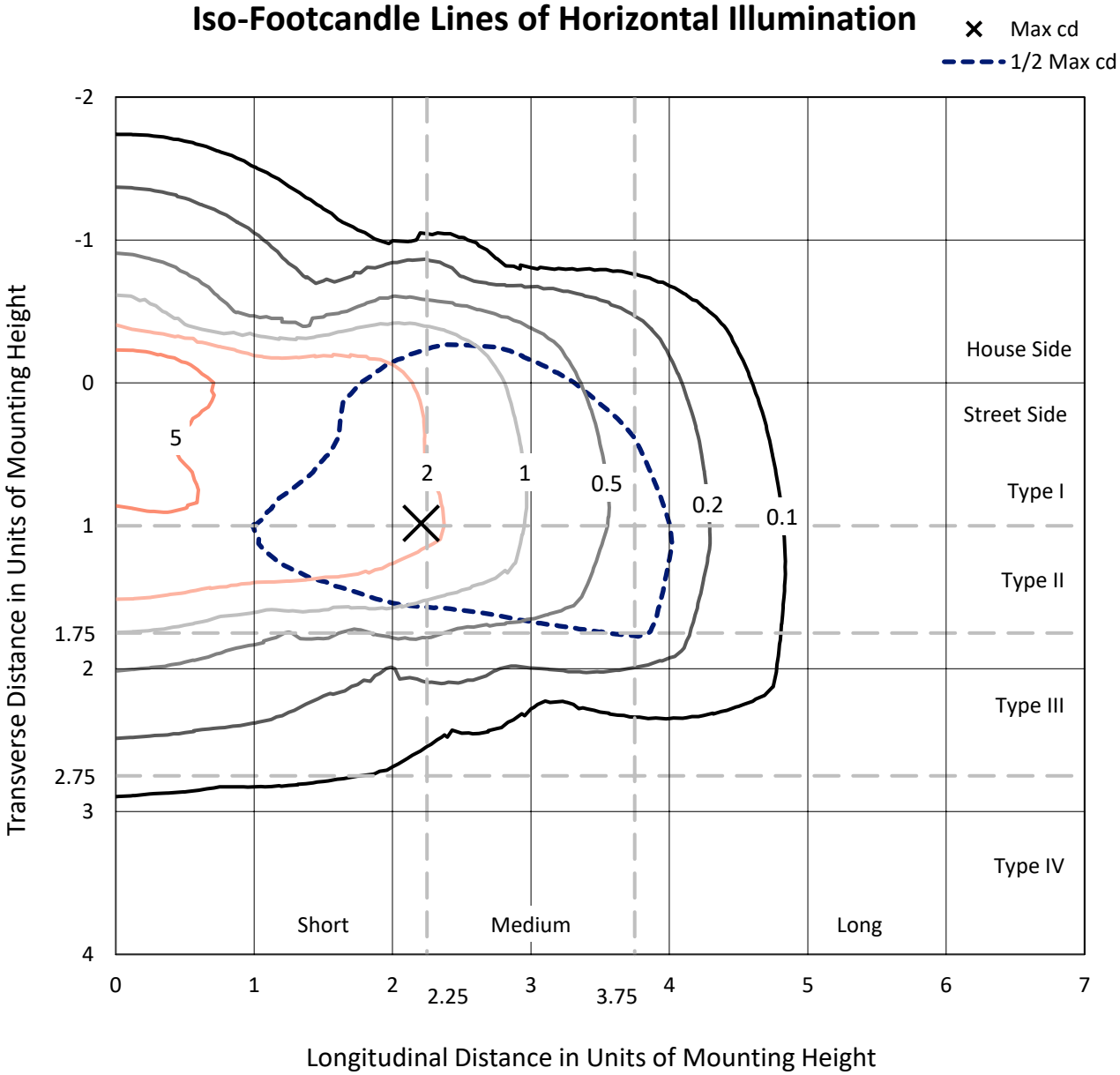
Scaled Data Report

REPORT NUMBER: P643917
CATALOG NUMBER: GWS-SA6F-830-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 9.5 fc
Type II - Short - N/A

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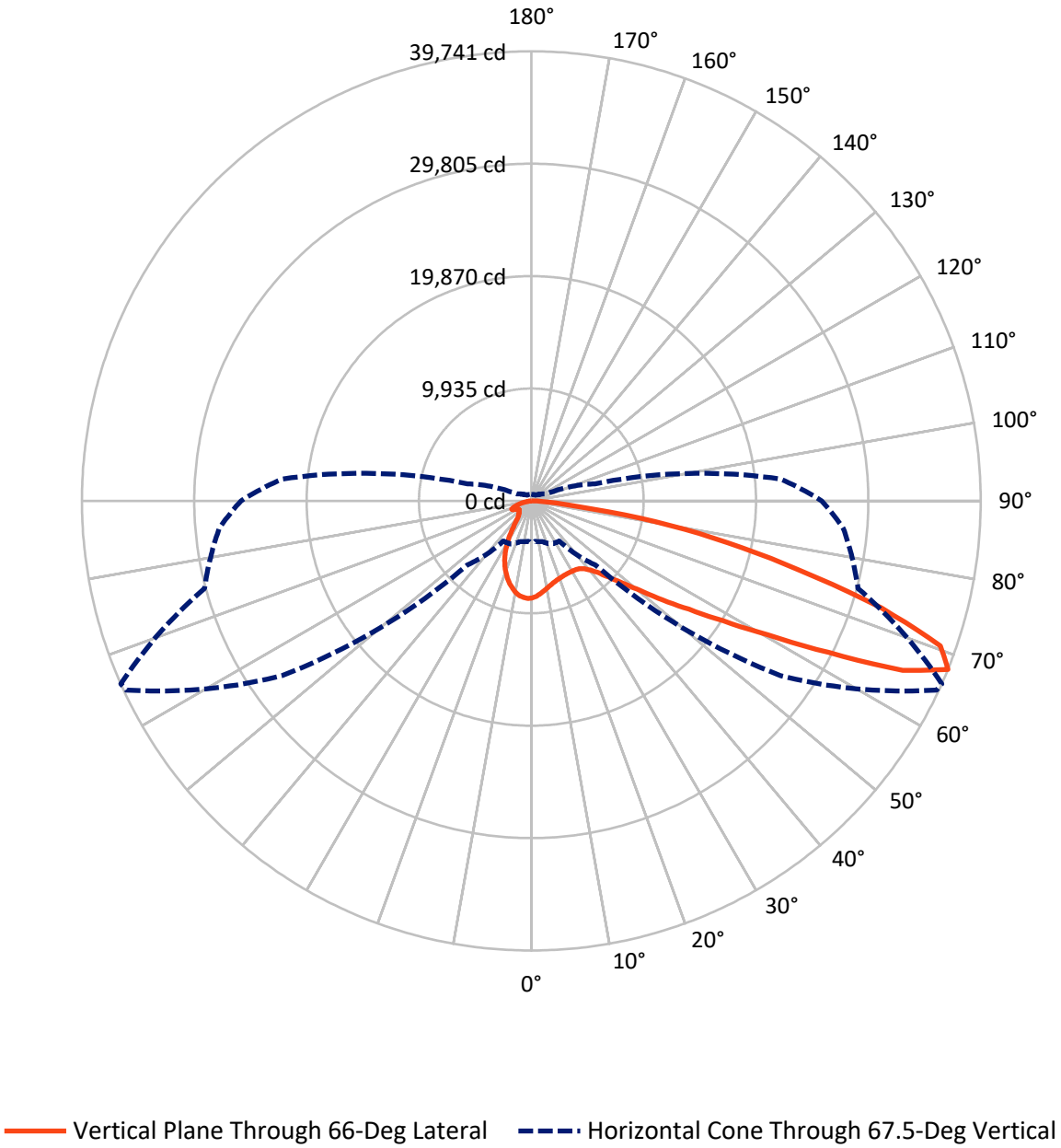
Luminous Intensity Polar Plot



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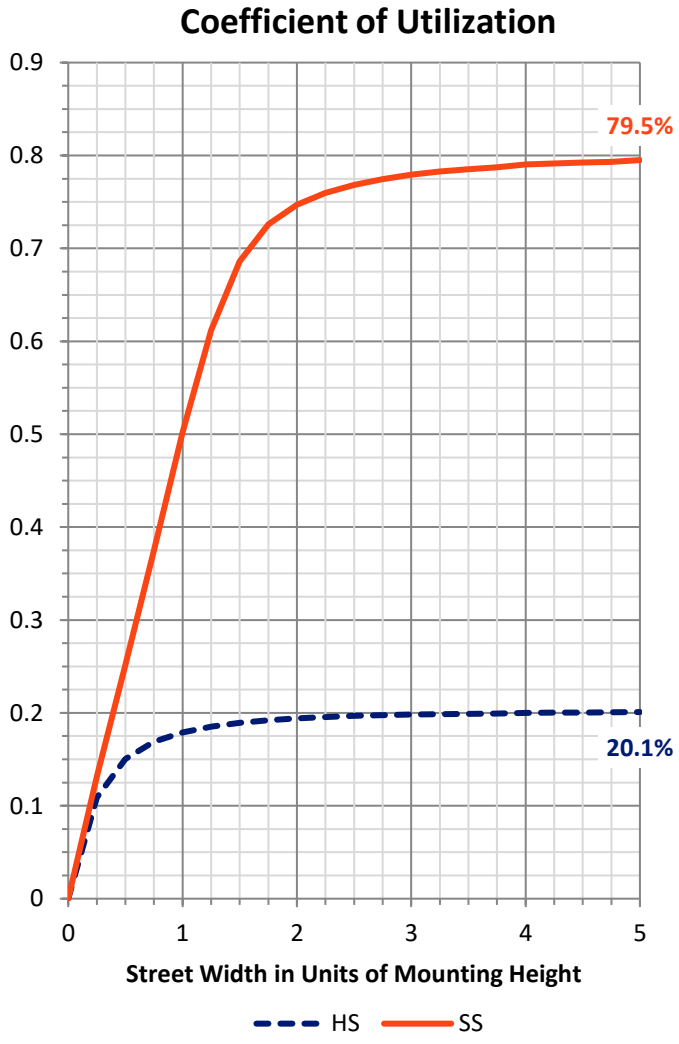
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7884.0	0.0	7884.0
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	30968.3	0.0	30968.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	38852.3	0.0	38852.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.5	1.9
10°-20°	1851.7	4.8
20°-30°	2545.3	6.6
30°-40°	3479.8	9.0
40°-50°	5272.8	13.6
50°-60°	8196.7	21.1
60°-70°	9979.3	25.7
70°-80°	6078.9	15.6
80°-90°	694.4	1.8
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°	38852.3	100.0
0°-180°	38852.3	100.0



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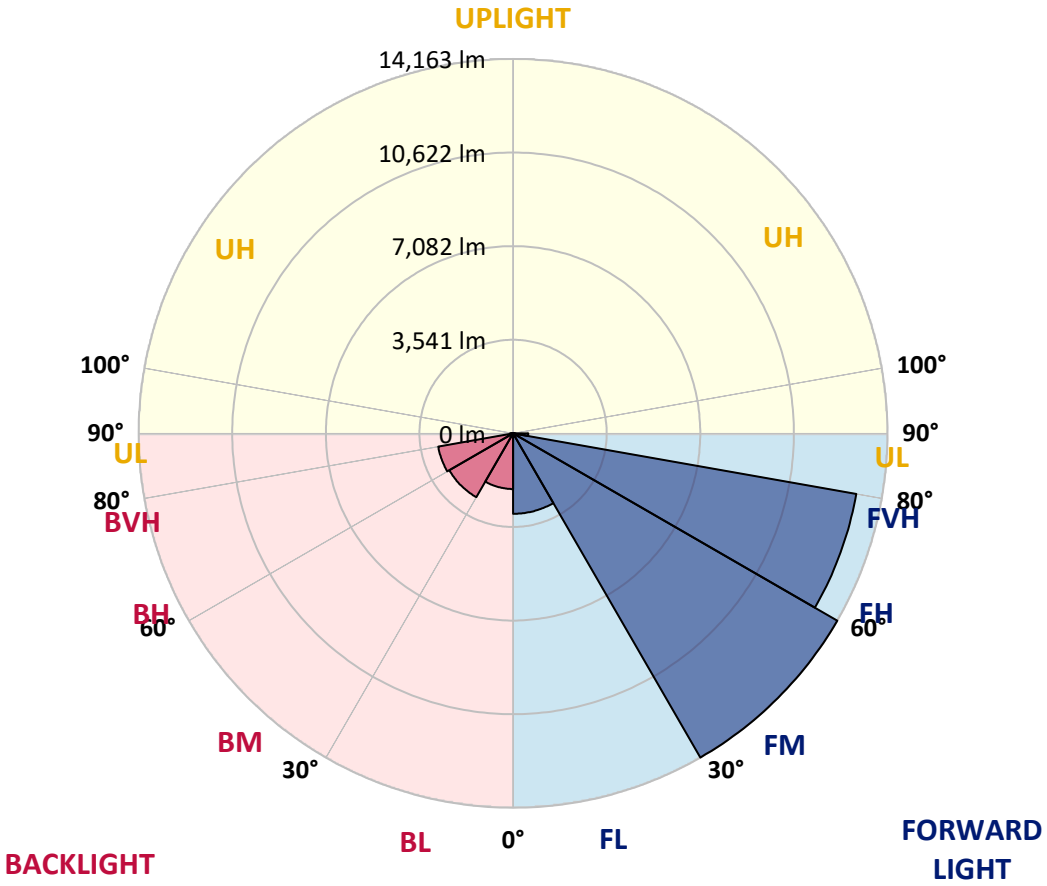
REPORT NUMBER: P643917
CATALOG NUMBER: GWS-SA6F-830-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3044.3	7.8			
FM	(30°-60°)	14163.2	36.5			
FH	(60°-80°)	13183.6	33.9			G5
FVH	(80°-90°)	577.3	1.5			G4/750
BL	(0°-30°)	2106.2	5.4	B3/2500		
BM	(30°-60°)	2786.1	7.2	B3/5000		
BH	(60°-80°)	2874.7	7.4	B4/5000		G4/5000
BVH	(80°-90°)	117.1	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type II Short



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Scaled Data Report

REPORT NUMBER: P643917
CATALOG NUMBER: GWS-SA6F-830-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8585.3	8585.3	8585.3	8585.3	8585.3	8585.3	8585.3	8585.3	*8585.3*	8585.3	8585.3
2.5°	8041.1	8069.4	8052.4	8160.1	8165.8	8301.8	8378.3	8443.5	*8449.2*	8534.2	8590.9
5°	7491.2	7508.2	7508.2	7610.2	7678.3	7859.7	8035.4	8222.5	*8236.6*	8440.7	8596.6
7.5°	7046.2	7063.2	7051.9	7187.9	7275.8	7477.0	7700.9	7987.2	*8015.6*	8344.3	8616.4
10°	6697.6	6691.9	6720.3	6845.0	6958.3	7199.3	7448.7	7774.6	*7817.1*	8233.8	8639.1
12.5°	6459.5	6465.2	6482.2	6612.5	6734.4	6972.5	7230.4	7584.7	*7630.1*	8106.2	8627.8
15°	6346.1	6334.8	6349.0	6468.0	6584.2	6793.9	7060.4	7426.0	*7471.4*	7992.9	8630.6
17.5°	6320.6	6312.1	6309.3	6394.3	6482.2	6677.7	6932.8	7304.1	*7352.3*	7919.2	8647.6
20°	6400.0	6388.6	6357.5	6394.3	6431.1	6595.5	6842.1	7216.3	*7270.1*	7871.0	8681.6
22.5°	6618.2	6598.4	6550.2	6504.8	6456.7	6555.9	6785.4	7151.1	*7204.9*	7839.8	8715.6
25°	6949.8	6932.8	6881.8	6779.8	6604.0	6587.0	6774.1	7122.7	*7176.6*	7817.1	8729.8
27.5°	7406.2	7380.7	7329.6	7182.3	6896.0	6703.2	6816.6	7119.9	*7170.9*	7791.6	8715.6
30°	7947.5	7930.5	7902.2	7723.6	7341.0	6949.8	6913.0	7142.6	*7182.3*	7777.5	8687.3
32.5°	8497.4	8480.4	8503.1	8418.0	7947.5	7358.0	7122.7	7204.9	*7233.3*	7774.6	8661.8
35°	8982.1	9001.9	9166.3	9180.5	8718.5	7910.7	7454.3	7349.5	*7355.1*	7831.3	8673.1
37.5°	9489.4	9565.9	9781.4	9965.6	9580.1	8641.9	7947.5	7621.6	*7615.9*	7975.9	8744.0
40°	10161.2	10195.2	10470.1	10815.9	10575.0	9645.3	8647.6	8066.6	*8026.9*	8270.6	8933.9
42.5°	10815.9	10898.1	11337.4	11734.2	11654.9	10776.2	9529.1	8732.6	*8661.8*	8792.2	9325.0
45°	11649.2	11728.6	12221.7	12731.9	12876.5	12054.5	10657.2	9679.3	*9608.5*	9577.3	10042.1
47.5°	12482.5	12564.7	13006.8	13743.8	14251.1	13653.1	12125.4	10929.3	*10813.1*	10691.2	11124.8
50°	13043.7	13140.1	13562.4	14446.7	15637.1	15648.5	13865.7	12567.5	*12420.1*	12227.4	12649.7
52.5°	13023.9	13086.2	13488.7	14509.1	16634.8	17941.5	16195.5	14653.6	*14534.6*	14115.1	14483.5
55°	12000.7	12094.2	12499.5	13775.0	16742.5	20115.4	19619.4	17113.8	*16901.2*	16150.1	16555.5
57.5°	9945.7	10025.1	10433.3	12006.3	15787.3	21229.3	23967.3	20248.6	*19956.7*	18366.6	18834.3
60°	7508.2	7411.8	7604.6	8982.1	13502.9	21257.6	27805.0	24500.1	*24012.6*	20736.1	21127.3
62.5°	5634.7	5538.3	5580.8	5969.1	9155.0	19540.0	29993.1	30316.2	*29511.3*	23411.8	23335.2
65°	4452.8	4398.9	4520.8	4787.2	5337.1	14880.4	30010.1	36605.7	*36098.3*	26512.5	25599.9
67.5°	*3628.0*	*3594.0*	*3718.7*	*4211.8*	*4328.1*	*7995.7*	*26909.3*	*39542.1*	*39740.5*	*29908.1*	*27700.1*
70°	2922.2	2871.2	3066.8	3715.8	4024.8	4838.2	19276.4	38045.5	*38365.8*	31931.8	27107.8
72.5°	2018.1	2020.9	2120.1	3010.1	3885.9	4177.8	10903.8	31679.6	*32374.0*	30098.0	23831.2
75°	1360.5	1371.8	1400.2	1986.9	3579.8	4053.1	5810.4	23984.3	*24474.6*	24877.1	19698.8
77.5°	822.0	827.6	892.8	1201.8	2468.7	3783.9	3936.9	17385.9	*17771.4*	16399.6	12210.4
80°	476.2	496.0	555.5	805.0	1666.6	2842.9	3046.9	10660.0	*11096.5*	7290.0	3880.2
82.5°	209.7	223.9	303.3	467.7	972.2	2417.7	2378.0	4211.8	*4149.5*	2032.2	1346.3
85°	36.8	45.3	65.2	147.4	357.1	1275.5	1845.2	1859.3	*1748.8*	770.9	558.4
87.5°	0.0	0.0	0.0	0.0	0.0	8.5	277.8	498.8	*496.0*	218.2	192.7
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: P643917
CATALOG NUMBER: GWS-SA6F-830-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8585.3	8585.3	8585.3	8585.3	8585.3	8585.3	8585.3	8585.3	8585.3	8585.3	8585.3
2.5°	8627.8	8551.2	8619.3	8627.8	8613.6	8602.3	8517.2	8443.5	8435.0	8355.7	8355.7
5°	8658.9	8588.1	8622.1	8556.9	8454.9	8350.0	8168.6	8043.9	7987.2	7885.2	7885.2
7.5°	8701.5	8627.8	8588.1	8426.5	8188.4	7958.9	7666.9	7423.2	7324.0	7179.4	7173.7
10°	8741.1	8647.6	8511.6	8196.9	7817.1	7451.5	7026.4	6680.6	6445.3	6272.4	6272.4
12.5°	8738.3	8616.4	8347.2	7882.3	7358.0	6828.0	6261.1	5739.6	5427.8	5158.5	5141.5
15°	8732.6	8565.4	8137.4	7516.7	6822.3	6088.2	5317.2	4637.0	4175.0	3911.4	3888.7
17.5°	8727.0	8500.2	7902.2	7100.1	6170.4	5169.9	4152.3	3415.4	3029.9	2868.4	2874.0
20°	8727.0	8426.5	7649.9	6621.0	5419.3	4070.1	3046.9	2511.2	2414.9	2423.4	2431.9
22.5°	8701.5	8335.8	7369.3	6099.5	4583.1	2993.1	2247.6	2066.2	2117.3	2196.6	2208.0
25°	8641.9	8185.6	7043.4	5521.3	3588.3	2179.6	1833.8	1799.8	1893.3	1992.6	2020.9
27.5°	8548.4	8012.7	6677.7	4843.9	2641.6	1751.6	1612.7	1609.9	1683.6	1757.3	1782.8
30°	8449.2	7820.0	6292.3	4090.0	1913.2	1524.9	1471.0	1471.0	1507.9	1553.2	1547.6
32.5°	8333.0	7624.4	5878.4	3304.9	1558.9	1397.3	1380.3	1371.8	1377.5	1394.5	1394.5
35°	8233.8	7451.5	5453.3	2474.4	1397.3	1326.5	1309.5	1289.6	1281.1	1269.8	1275.5
37.5°	8196.9	7315.5	5014.0	1865.0	1318.0	1275.5	1247.1	1218.8	1198.9	1193.3	1190.4
40°	8256.5	7258.8	4574.6	1536.2	1261.3	1221.6	1190.4	1153.6	1136.6	1136.6	1136.6
42.5°	8488.9	7301.3	4126.8	1388.8	1221.6	1176.3	1130.9	1096.9	1091.2	1096.9	1099.7
45°	8914.0	7465.7	3662.0	1315.1	1187.6	1130.9	1077.1	1051.5	1051.5	1057.2	1057.2
47.5°	9673.6	7896.5	3202.8	1269.8	1153.6	1094.1	1037.4	1011.9	1009.0	1014.7	1014.7
50°	10988.8	8673.1	2789.0	1238.6	1128.1	1065.7	1009.0	975.0	966.5	963.7	963.7
52.5°	12646.9	10019.4	2525.4	1215.9	1096.9	1034.5	977.9	932.5	915.5	907.0	907.0
55°	14650.8	11813.6	2525.4	1198.9	1057.2	997.7	932.5	887.2	861.6	850.3	850.3
57.5°	16921.1	13902.5	2961.9	1184.8	1026.0	955.2	884.3	839.0	810.6	793.6	793.6
60°	19231.1	16110.5	4041.8	1164.9	997.7	901.3	830.5	788.0	751.1	731.3	728.4
62.5°	21626.1	18542.3	5464.6	1176.3	977.9	850.3	773.8	725.6	694.4	674.6	671.7
65°	23819.9	20858.0	6708.9	1264.1	980.7	805.0	708.6	666.1	640.6	615.1	612.2
67.5°	*25682.1*	*22136.3*	*5835.9*	*1442.7*	*1040.2*	*751.1*	*643.4*	*600.9*	*578.2*	*561.2*	*558.4*
70°	24378.3	20186.3	3310.5	1553.2	1122.4	694.4	569.7	541.4	518.7	507.3	504.5
72.5°	20846.7	17091.1	2213.6	1371.8	1023.2	620.7	501.7	479.0	462.0	447.8	445.0
75°	16887.1	13553.9	1692.1	1125.2	796.5	504.5	430.8	413.8	396.8	382.6	379.8
77.5°	9991.1	7831.3	1247.1	890.0	561.2	394.0	357.1	343.0	326.0	314.6	311.8
80°	3188.6	2721.0	790.8	612.2	371.3	303.3	274.9	263.6	246.6	232.4	229.6
82.5°	1215.9	1051.5	419.5	311.8	246.6	206.9	184.2	172.9	161.6	147.4	144.6
85°	538.5	504.5	232.4	167.2	133.2	102.0	90.7	85.0	70.9	59.5	56.7
87.5°	189.9	189.9	99.2	48.2	28.3	14.2	8.5	2.8	0.0	0.0	0.0
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

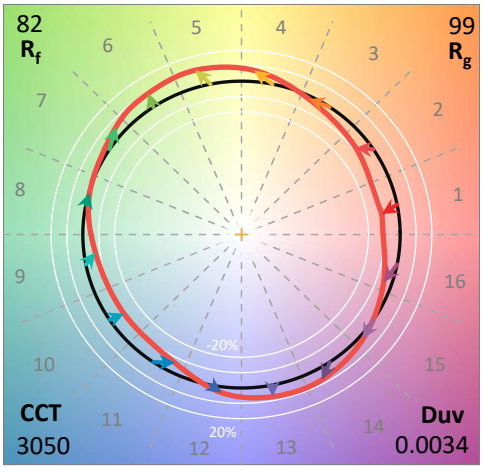
Test Information

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

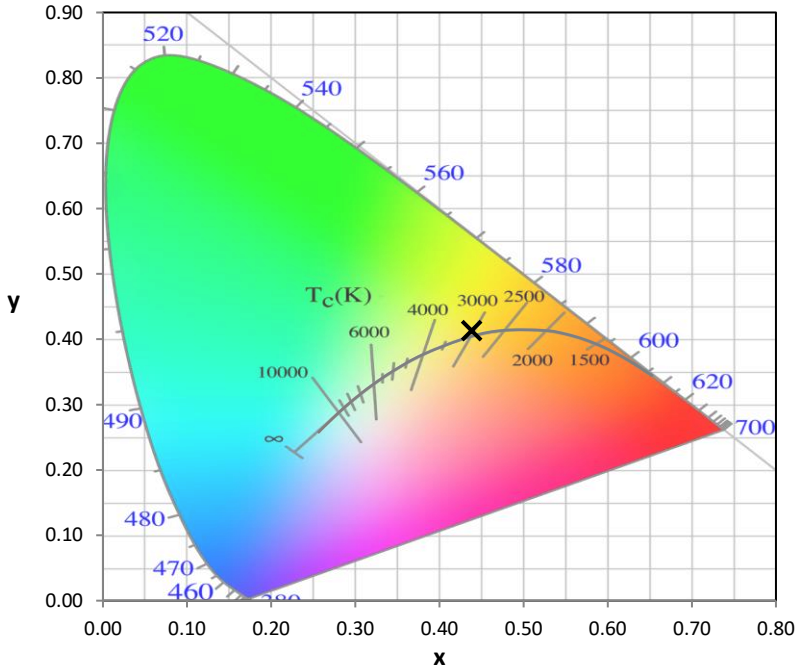
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

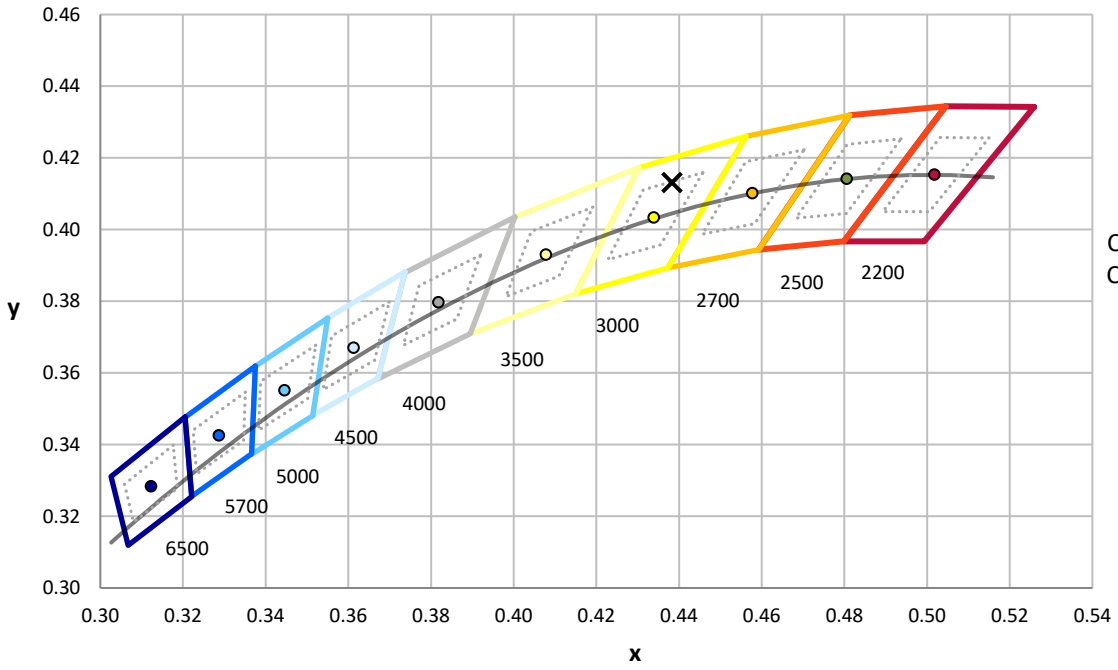
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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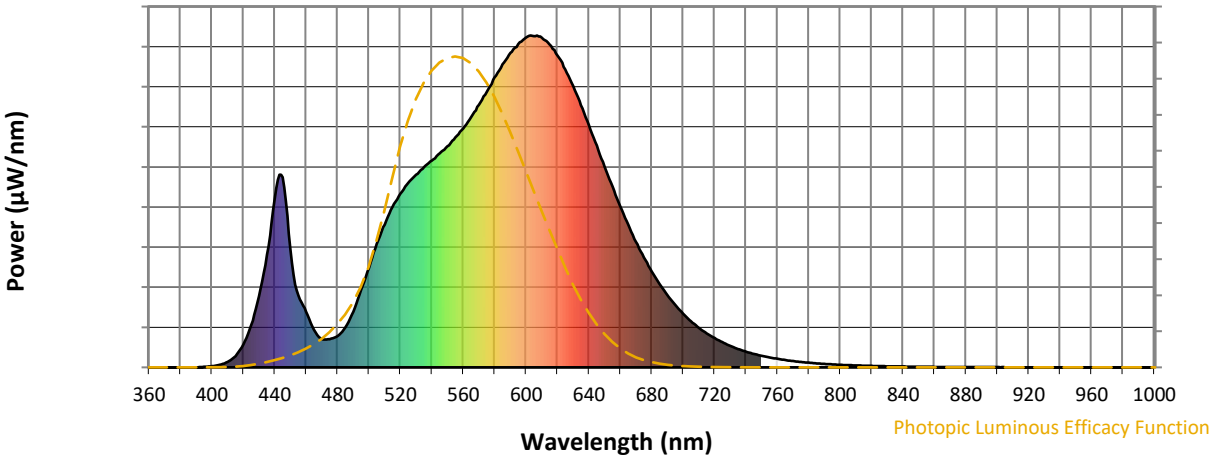
Photopic Flux vs. Wavelength



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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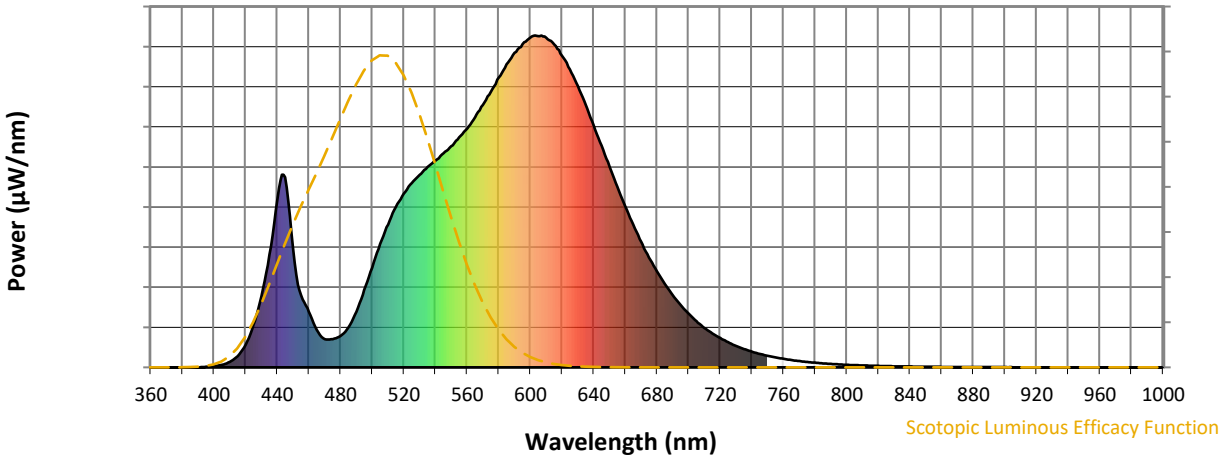
Scotopic Flux vs. Wavelength



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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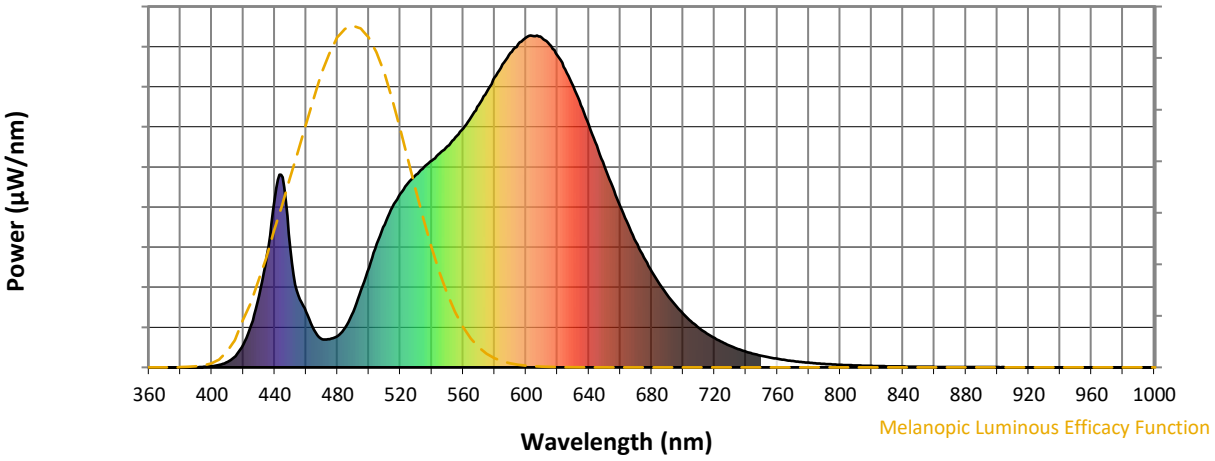
Melanopic Flux vs. Wavelength



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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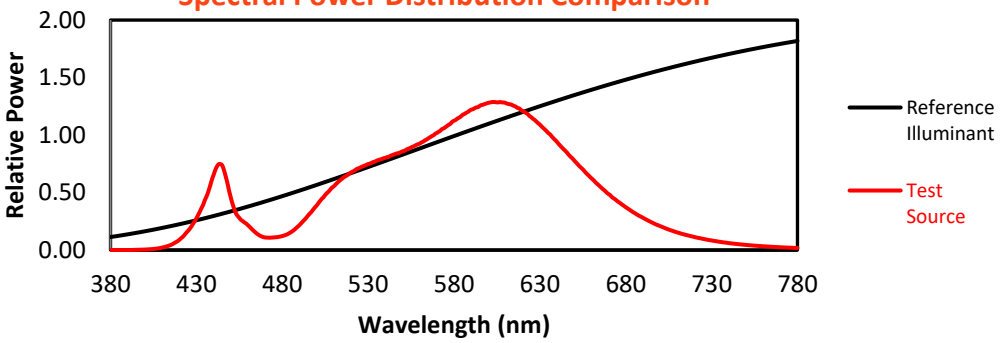
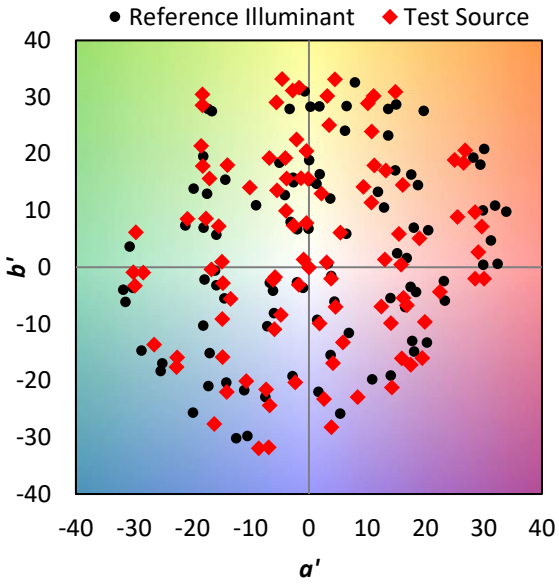
Summary

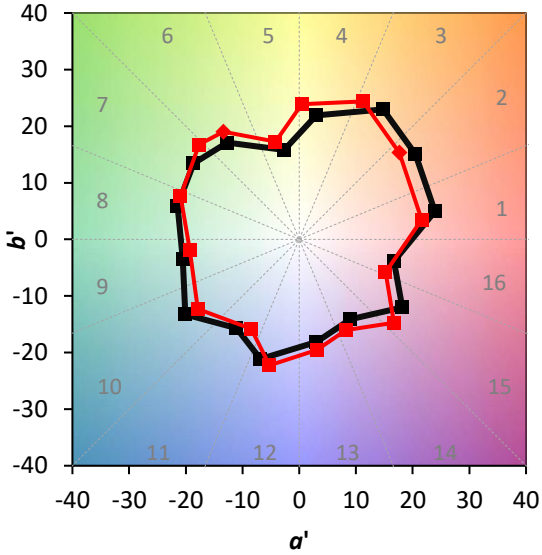
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

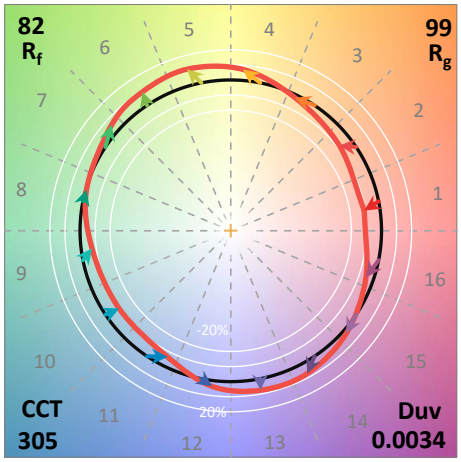
Spectral Power Distribution Comparison

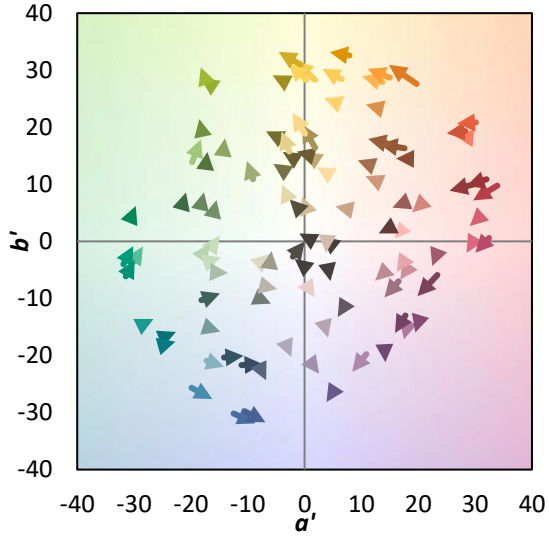


Color Vector Graphics









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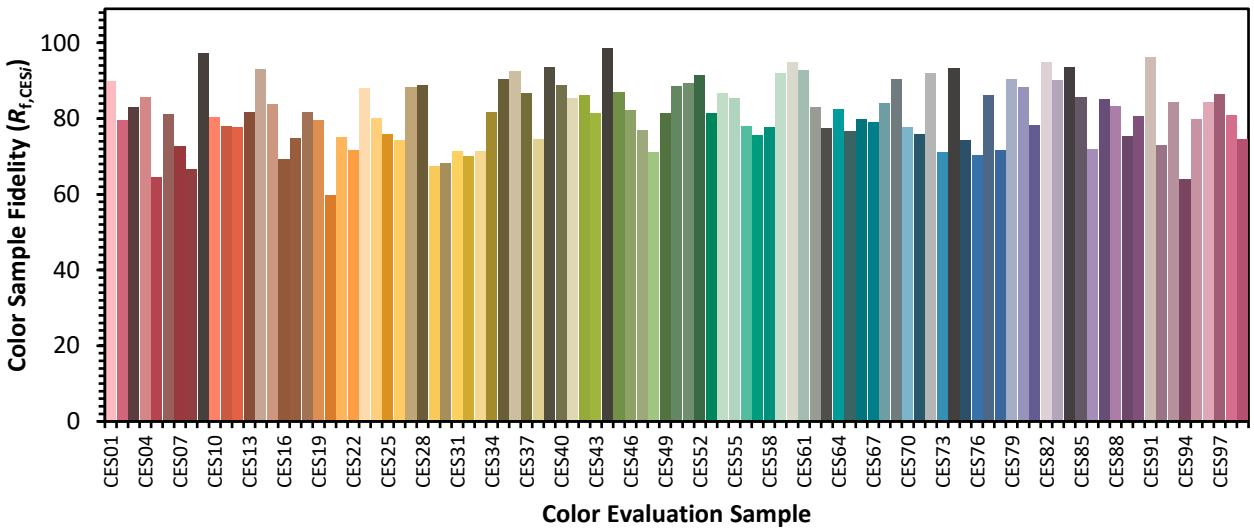
Individual Sample Fidelity Index ($R_{f,i}$)

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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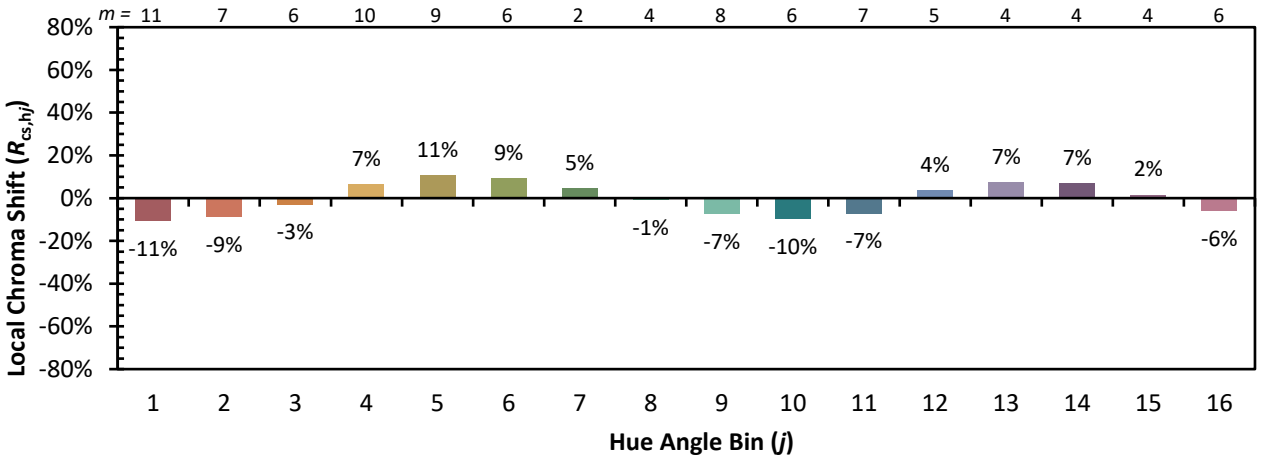
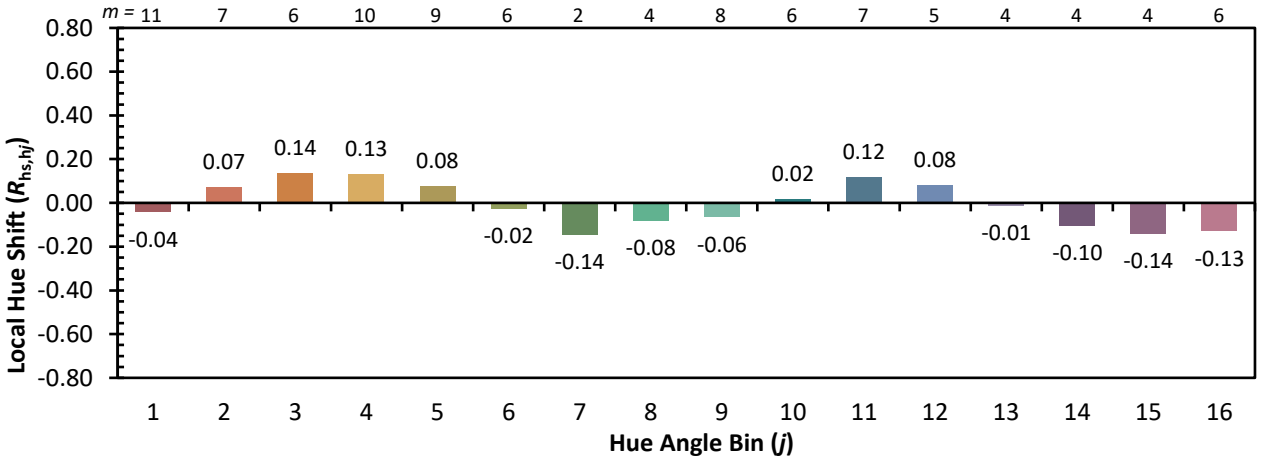
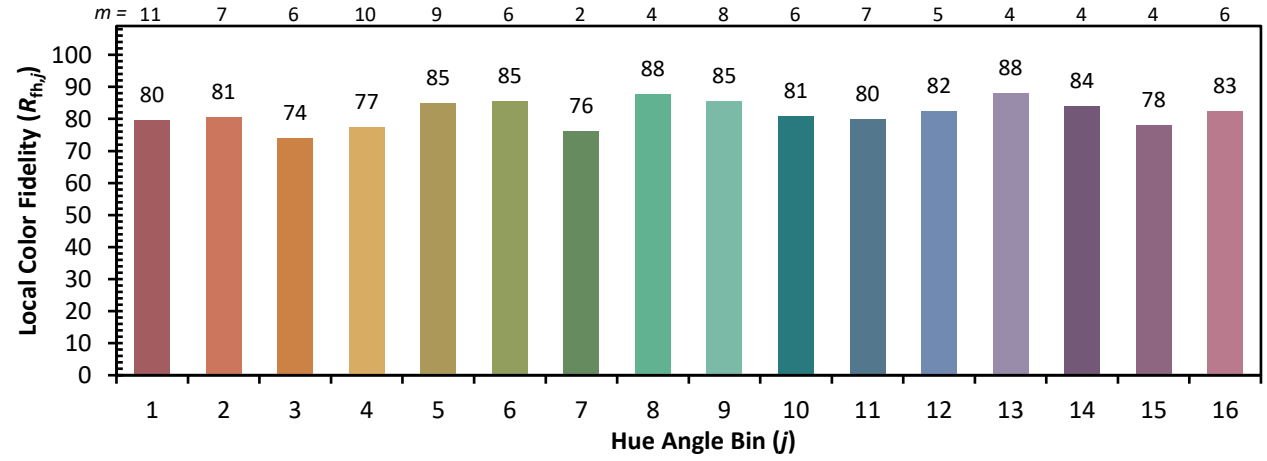
Color Rendition by Hue-Angle Bin







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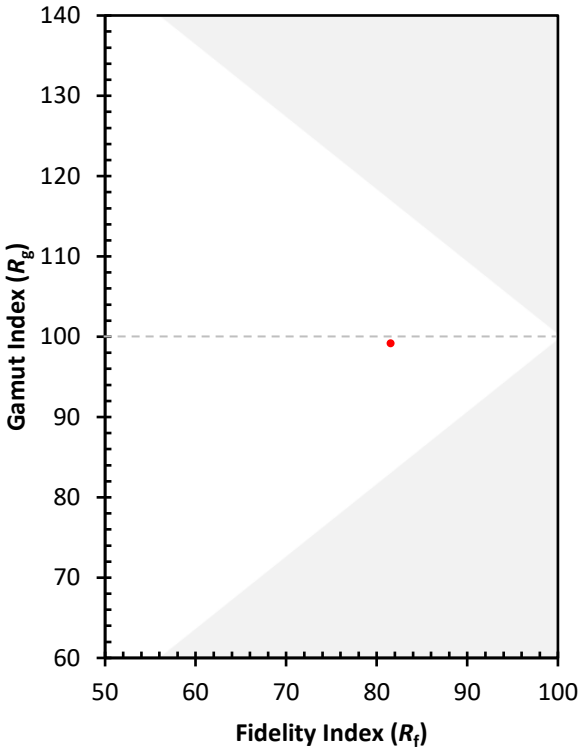
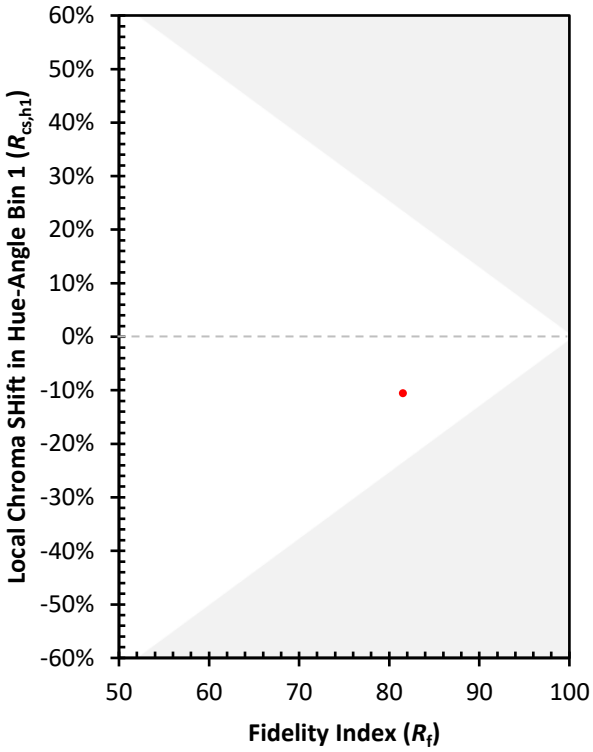
Measure Comparisons





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