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: P642928

Luminaire Tested: GWS-SA6D-830-U-SL3-W-GRSBK

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:	P642928
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-SL3-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16644 lumens
Efficiency:	N/A
Efficacy:	67.7 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	245.7
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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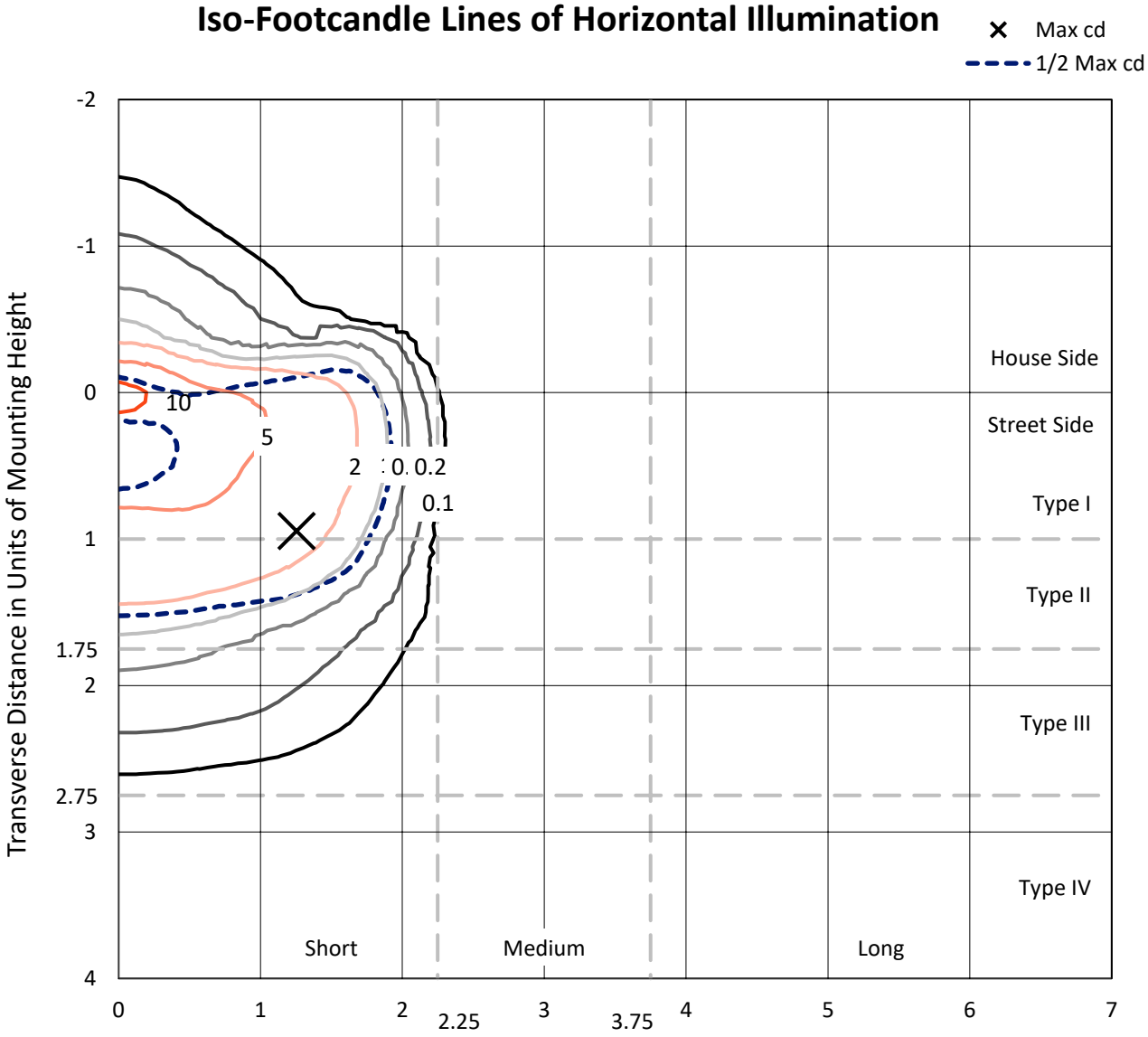
Scaled Data Report

REPORT NUMBER: P642928
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
Type II - Short - N/A

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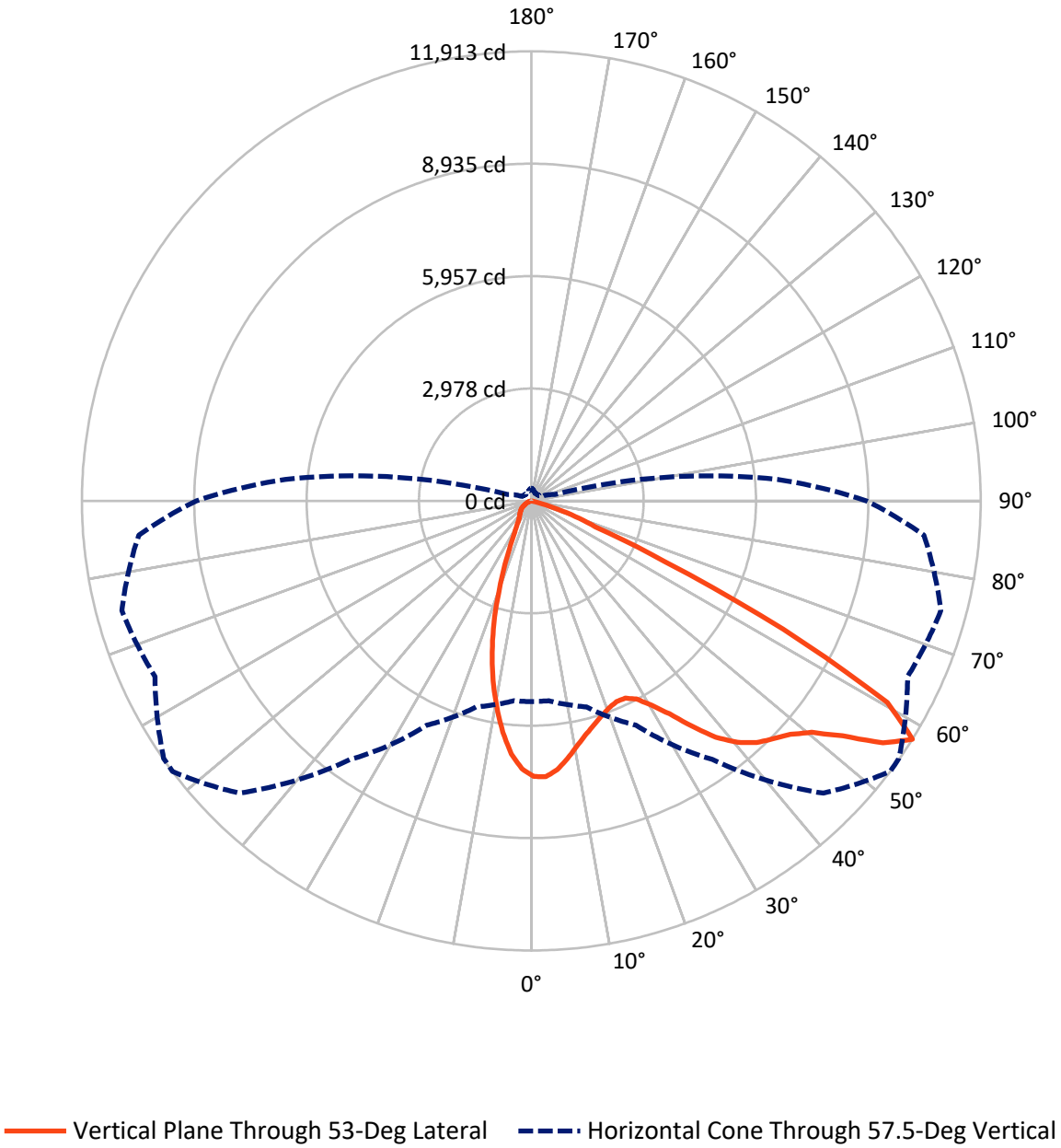
Luminous Intensity Polar Plot



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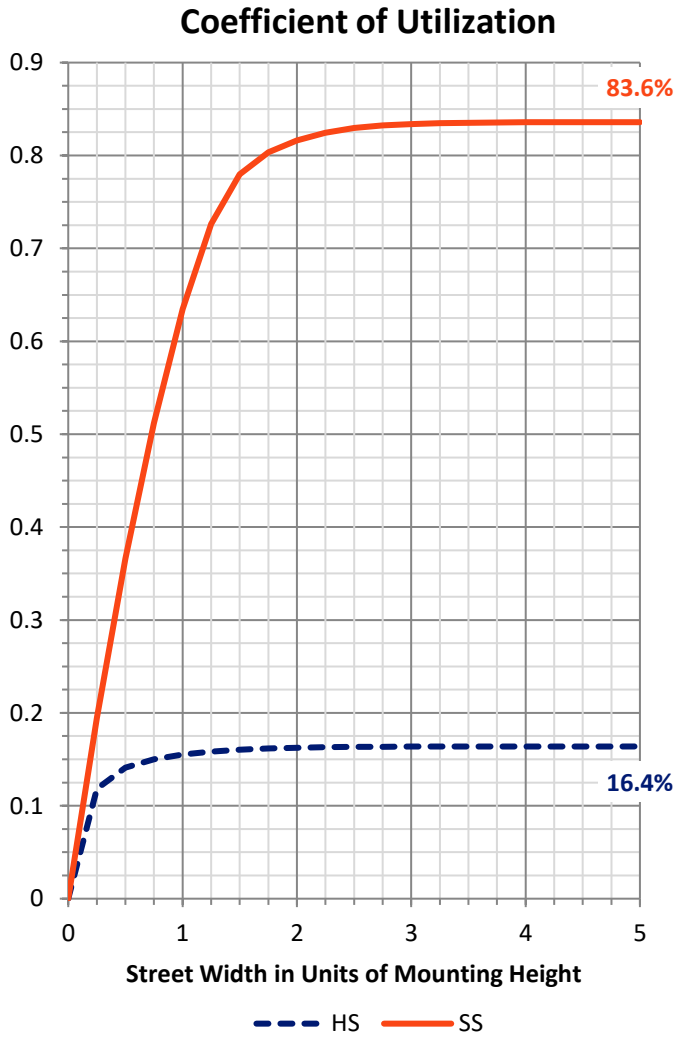
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2749.4	0.0	2749.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	13894.6	0.0	13894.6
	% Fixture	83.5	0.0	83.5
Total	Lumens	16644.0	0.0	16644.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.7	3.8
10°-20°	1371.4	8.2
20°-30°	1786.5	10.7
30°-40°	2591.4	15.6
40°-50°	3739.2	22.5
50°-60°	4522.2	27.2
60°-70°	1843.1	11.1
70°-80°	165.6	1.0
80°-90°	0.0	0.0
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°	16644.0	100.0
0°-180°	16644.0	100.0



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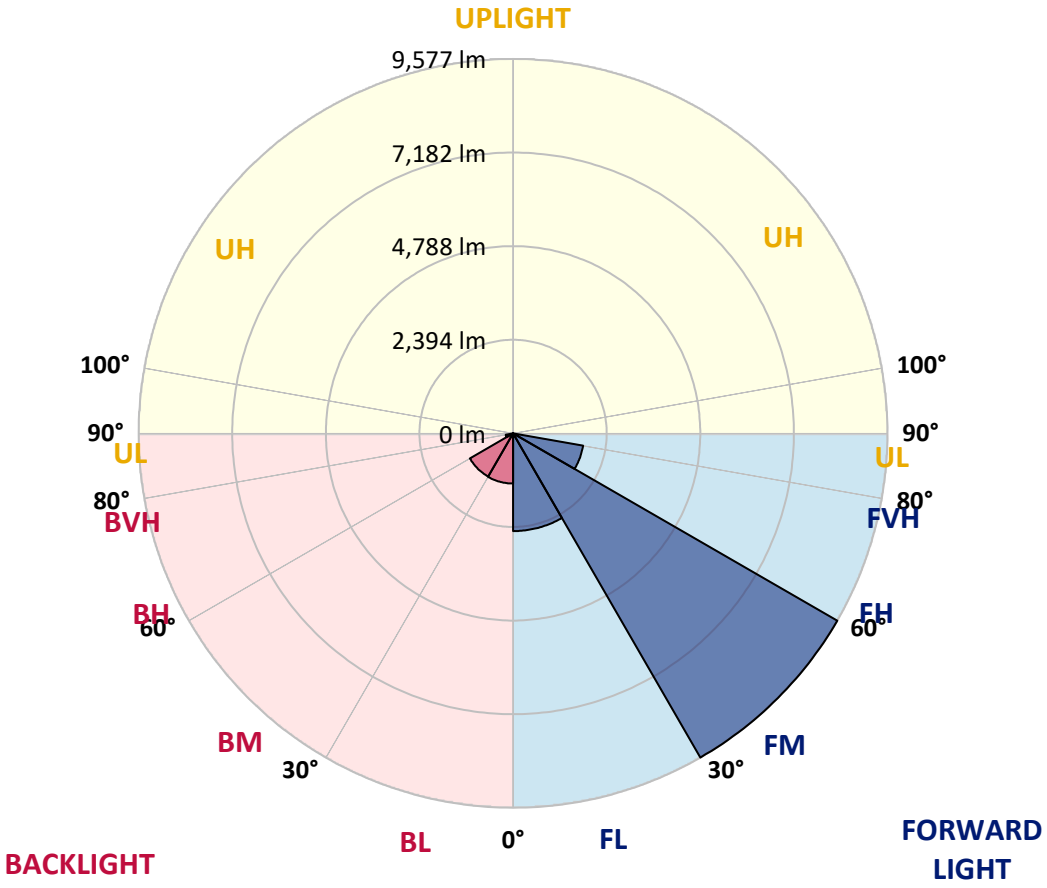
REPORT NUMBER: P642928
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2499.4	15.0			
FM	(30°-60°)	9576.6	57.5			
FH	(60°-80°)	1818.6	10.9			G2/5000
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	1283.2	7.7	B3/2500		
BM	(30°-60°)	1276.1	7.7	B2/2500		
BH	(60°-80°)	190.1	1.1	B1/500		G1/500
BVH	(80°-90°)	0.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P642928
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0
2.5°	7199.0	7215.3	7243.9	7280.6	7305.1	7317.3	7317.3	7352.0	7329.6	7311.2	7290.8
5°	6891.0	6907.3	6946.1	7005.2	7064.4	7107.2	7156.2	7192.9	7207.2	7207.2	7172.5
7.5°	6456.5	6478.9	6503.4	6585.0	6713.5	6809.4	6893.0	6946.1	7023.6	7048.1	6999.1
10°	5989.3	6011.8	6066.8	6179.0	6325.9	6468.7	6611.5	6678.8	6811.4	6880.8	6825.7
12.5°	5593.6	5603.8	5677.2	5811.8	5999.5	6195.4	6368.7	6438.1	6625.8	6729.8	6664.5
15°	5267.2	5273.3	5346.7	5495.6	5711.9	5952.6	6170.9	6242.3	6472.8	6629.9	6531.9
17.5°	5020.3	5022.4	5085.6	5246.8	5473.2	5740.4	5999.5	6087.2	6385.1	6574.8	6427.9
20°	4895.9	4889.8	4934.7	5075.4	5289.6	5556.8	5862.8	5971.0	6336.1	6566.6	6348.3
22.5°	4897.9	4883.7	4902.0	5002.0	5183.5	5434.4	5777.2	5899.6	6340.2	6601.3	6281.0
25°	5014.2	4993.8	4997.9	5050.9	5179.5	5407.9	5789.4	5920.0	6421.8	6717.6	6256.5
27.5°	5210.1	5187.6	5187.6	5214.1	5283.5	5491.6	5942.4	6091.3	6640.1	6944.0	6307.5
30°	5463.0	5440.6	5432.4	5458.9	5516.0	5707.8	6283.1	6438.1	7013.4	7315.3	6470.7
32.5°	5752.7	5726.2	5740.4	5777.2	5832.2	6097.4	6721.7	6927.7	7480.5	7815.1	6764.5
35°	6058.7	6036.2	6101.5	6181.1	6266.7	6638.0	7327.5	7507.0	8053.8	8437.3	7213.3
37.5°	6350.4	6340.2	6476.9	6644.1	6821.6	7286.7	7943.6	8082.3	8545.4	9114.5	7762.0
40°	6642.1	6640.1	6874.7	7168.4	7452.0	7933.4	8410.7	8525.0	8845.3	9640.8	8288.3
42.5°	6968.5	6968.5	7292.8	7684.5	8061.9	8480.1	8753.5	8804.5	8979.9	9944.8	8684.1
45°	7280.6	7299.0	7674.3	8129.2	8576.0	8906.5	8990.1	8994.2	9035.0	10124.3	9012.5
47.5°	7527.4	7543.8	7992.6	8516.8	8998.3	9230.8	9243.0	9224.7	9179.8	10295.7	9265.5
50°	7727.4	7751.8	8221.0	8775.9	9287.9	9542.9	9636.8	9618.4	9504.2	10479.3	9443.0
52.5°	7825.3	7860.0	8300.6	8904.4	9610.2	10077.4	10338.5	10381.3	9989.7	10581.3	9612.3
55°	7041.9	7092.9	7498.9	8325.1	9789.8	10903.6	11313.6	11305.4	10516.0	10885.2	10024.4
57.5°	5318.2	5314.1	5650.7	6554.4	8361.8	10950.5	11913.4	11897.0	11007.6	11238.1	10446.6
60°	3620.9	3596.4	3686.2	4122.8	5846.5	8920.7	10842.4	11062.7	10658.8	10381.3	8869.7
62.5°	2980.4	2957.9	2929.4	2809.0	3357.8	5556.8	7490.7	7825.3	7772.2	7215.3	5563.0
65°	2439.8	2458.1	2537.7	2486.7	2335.8	2849.8	3888.2	4086.0	3735.2	3143.6	1944.1
67.5°	1799.2	1807.4	1911.4	2180.7	2099.1	1897.2	1829.8	1862.5	1091.4	501.8	324.4
70°	1062.8	1068.9	1164.8	1525.9	1703.4	1456.5	1236.2	1217.9	432.5	134.6	146.9
72.5°	601.8	589.5	607.9	726.2	928.2	773.1	636.5	579.3	130.6	75.5	75.5
75°	285.6	277.4	238.7	224.4	204.0	130.6	81.6	69.4	32.6	30.6	30.6
77.5°	2.0	6.1	4.1	6.1	6.1	4.1	2.0	2.0	6.1	6.1	8.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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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REPORT NUMBER: P642928
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0	7301.0
2.5°	7254.1	7192.9	7178.6	7174.5	7117.4	7056.2	6993.0	6968.5	6931.8	6909.3	6927.7
5°	7117.4	7029.7	6952.2	6880.8	6754.3	6615.6	6495.2	6417.7	6344.3	6295.3	6307.5
7.5°	6923.6	6809.4	6631.9	6450.3	6217.8	6009.7	5777.2	5634.4	5501.8	5428.3	5463.0
10°	6717.6	6566.6	6283.1	5975.0	5609.9	5283.5	4951.0	4679.7	4522.6	4373.7	4390.0
12.5°	6515.6	6315.7	5891.4	5424.2	4963.2	4481.8	3980.0	3604.6	3347.6	3161.9	3133.4
15°	6327.9	6070.9	5509.9	4893.9	4265.6	3625.0	2984.5	2447.9	2150.1	1966.5	1954.3
17.5°	6160.7	5842.4	5114.2	4339.0	3551.6	2731.5	1995.1	1593.2	1421.9	1342.3	1334.1
20°	5999.5	5611.9	4710.3	3776.0	2772.3	1917.6	1377.0	1191.3	1136.3	1103.6	1107.7
22.5°	5844.5	5361.0	4286.0	3151.7	2078.7	1346.4	1066.9	995.5	989.4	993.5	995.5
25°	5713.9	5130.5	3849.4	2549.9	1483.0	1026.1	891.5	871.1	889.4	915.9	920.0
27.5°	5646.6	4942.8	3423.0	1944.1	1073.0	834.3	773.1	781.3	813.9	842.5	846.6
30°	5665.0	4802.1	2982.4	1409.6	826.2	703.8	683.4	699.7	732.3	758.9	762.9
32.5°	5795.5	4730.7	2531.6	1026.1	679.3	614.0	605.9	618.1	646.7	667.1	669.1
35°	6054.6	4747.0	2103.2	785.4	583.4	546.7	544.7	552.8	567.1	581.4	583.4
37.5°	6436.1	4879.6	1680.9	652.8	528.3	501.8	493.7	493.7	503.9	510.0	514.1
40°	6846.1	5079.5	1346.4	577.3	489.6	461.0	444.7	438.6	446.8	454.9	457.0
42.5°	7184.7	5279.4	1093.4	524.3	459.0	420.2	399.8	395.8	406.0	420.2	424.3
45°	7443.8	5434.4	911.9	481.4	424.3	381.5	359.0	359.0	377.4	401.9	406.0
47.5°	7680.4	5558.9	777.2	442.7	391.7	346.8	324.4	328.4	359.0	391.7	397.8
50°	7841.6	5658.8	677.3	408.0	365.2	318.2	297.8	306.0	342.7	381.5	387.6
52.5°	8015.0	5781.2	612.0	377.4	340.7	295.8	277.4	283.6	324.4	367.2	375.4
55°	8494.4	6191.3	609.9	336.6	297.8	265.2	257.0	259.1	299.9	348.8	359.0
57.5°	*8886.1*	*6552.3*	*650.7*	*283.6*	*248.9*	*232.6*	*228.5*	*230.5*	*267.2*	*322.3*	*334.6*
60°	7352.0	5091.7	538.5	234.6	208.1	204.0	197.9	202.0	236.6	285.6	295.8
62.5°	4351.2	2911.0	257.0	179.5	177.5	173.4	167.3	175.4	208.1	250.9	257.0
65°	1487.1	862.9	163.2	146.9	151.0	144.8	138.7	146.9	175.4	199.9	202.0
67.5°	285.6	228.5	130.6	122.4	124.4	112.2	110.2	118.3	134.6	138.7	136.7
70°	148.9	132.6	100.0	100.0	95.9	79.6	79.6	87.7	87.7	81.6	79.6
72.5°	77.5	73.4	65.3	73.4	61.2	49.0	49.0	53.0	49.0	40.8	40.8
75°	30.6	30.6	28.6	36.7	26.5	22.4	20.4	24.5	18.4	14.3	14.3
77.5°	8.2	8.2	8.2	10.2	6.1	6.1	4.1	4.1	2.0	0.0	0.0
80°	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

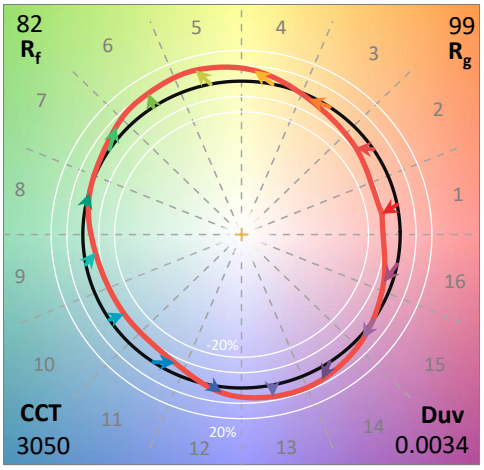
Test Information

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

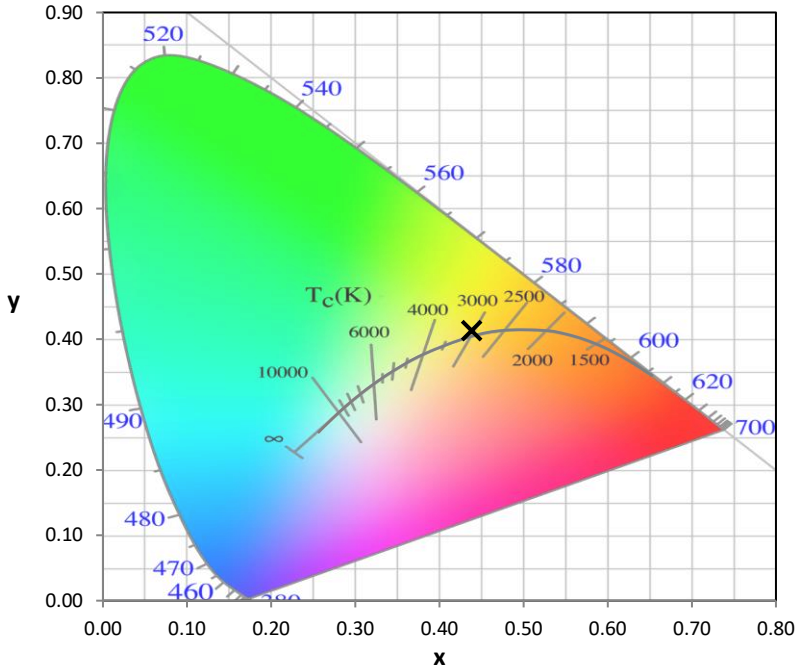
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

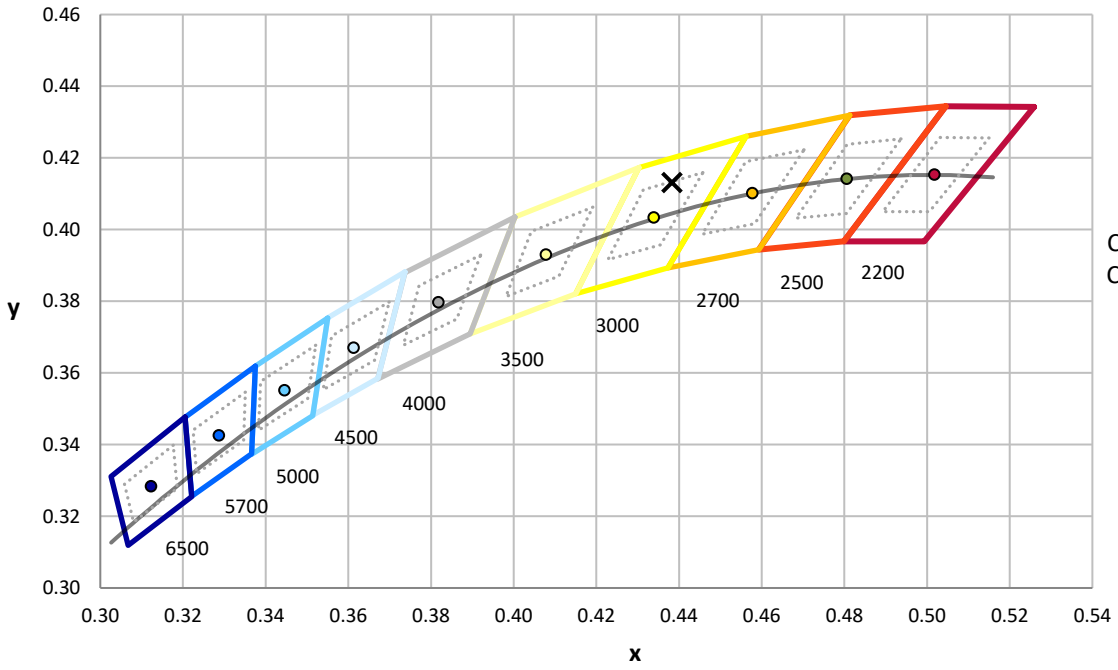
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

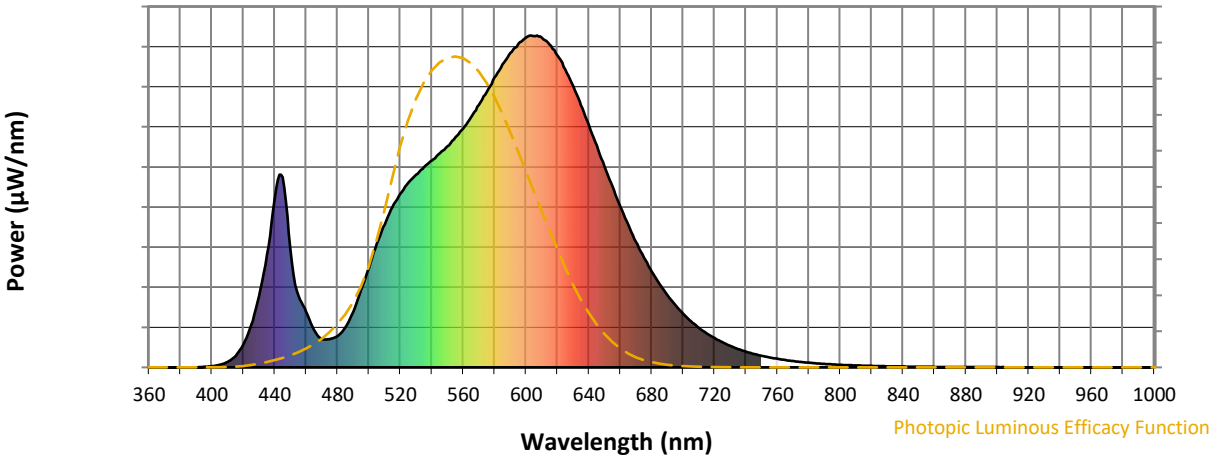


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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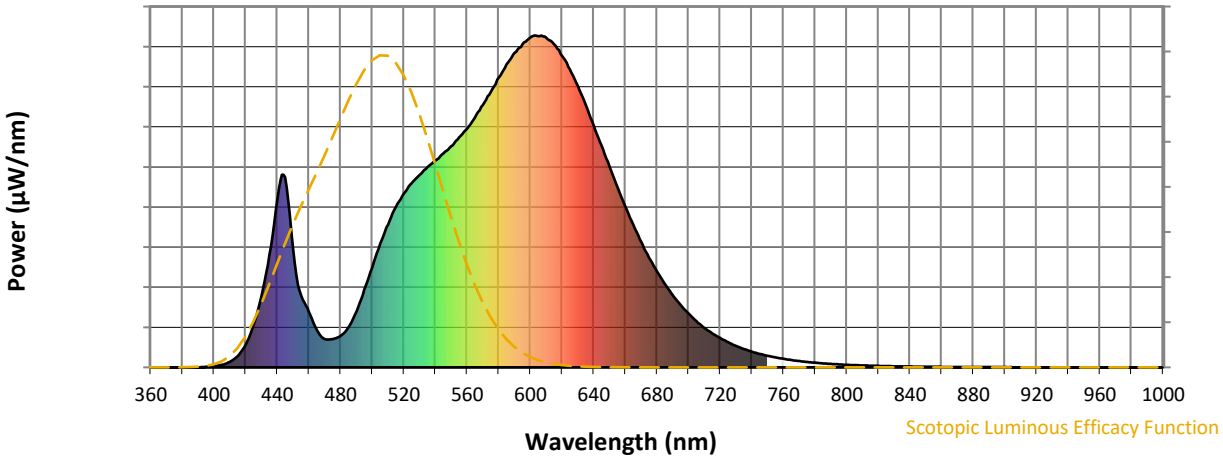
Scotopic Flux vs. Wavelength



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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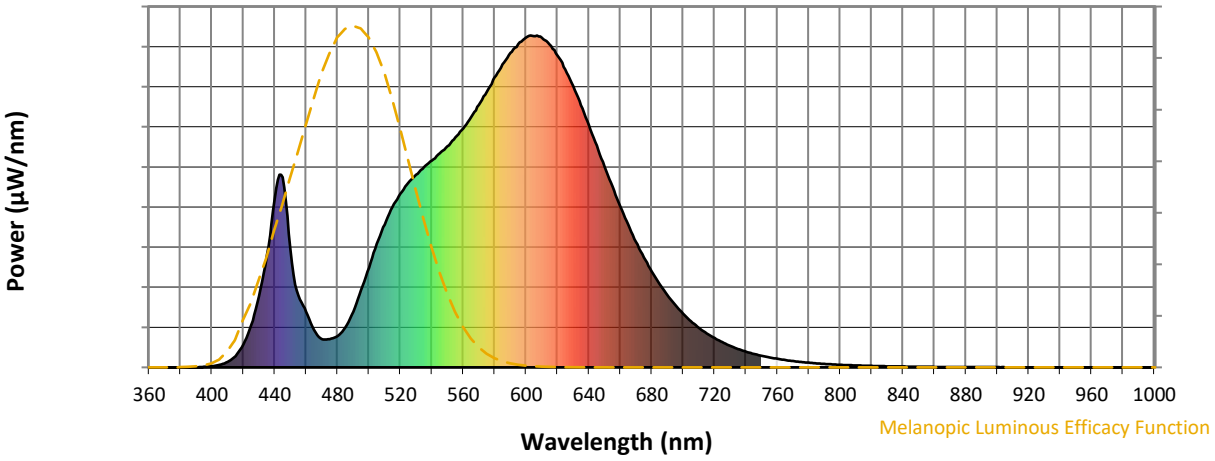
Melanopic Flux vs. Wavelength



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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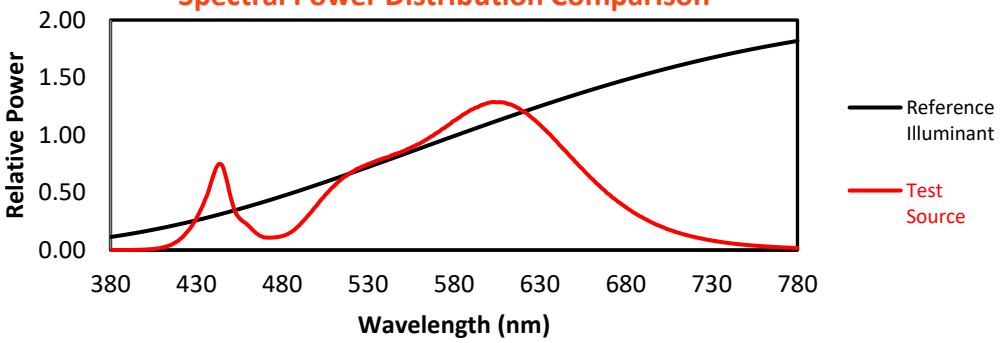
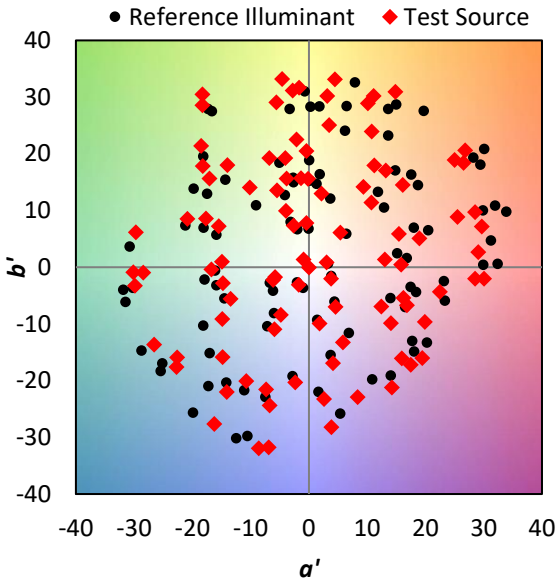
Summary

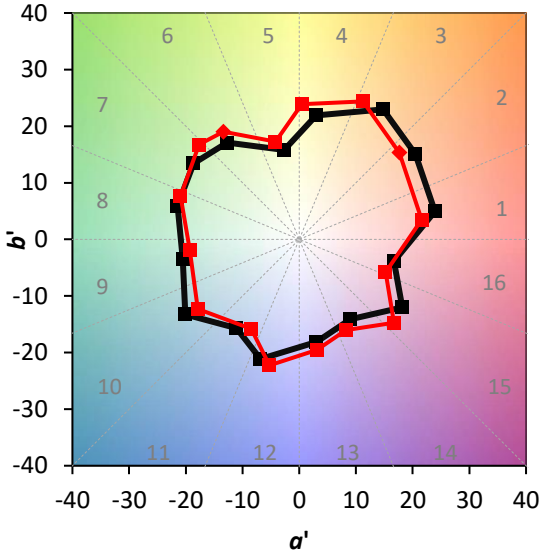
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

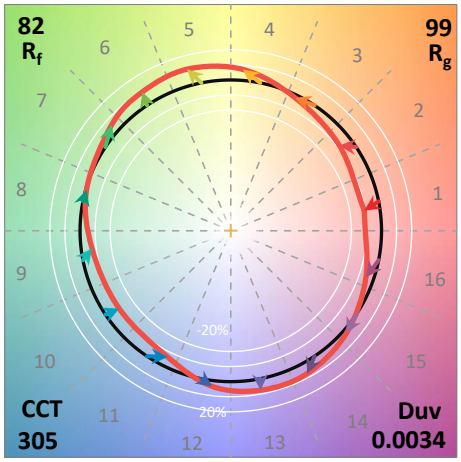
Spectral Power Distribution Comparison

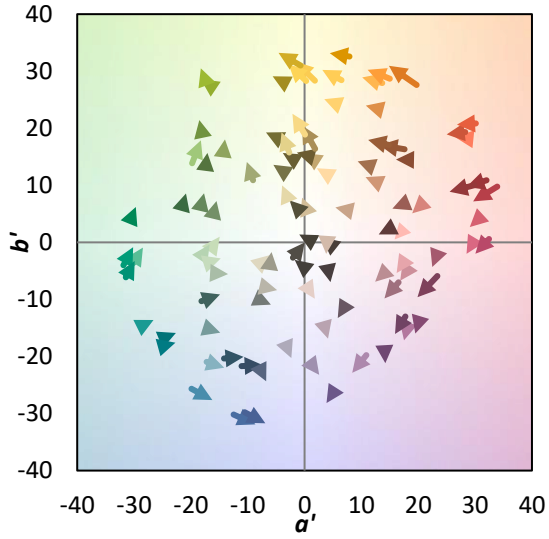


Color Vector Graphics









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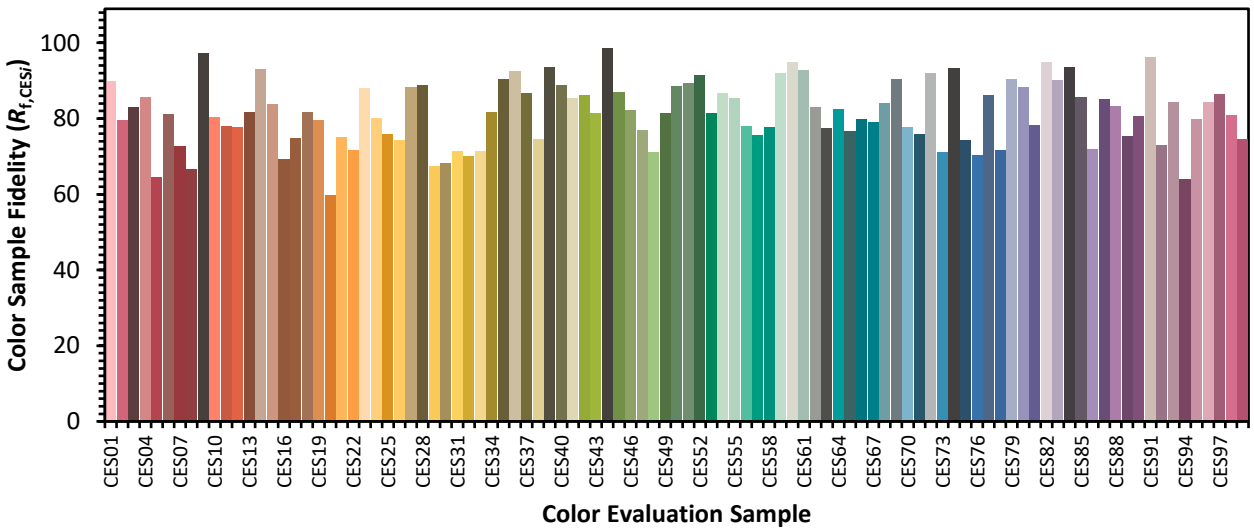
Individual Sample Fidelity Index ($R_{f,i}$)

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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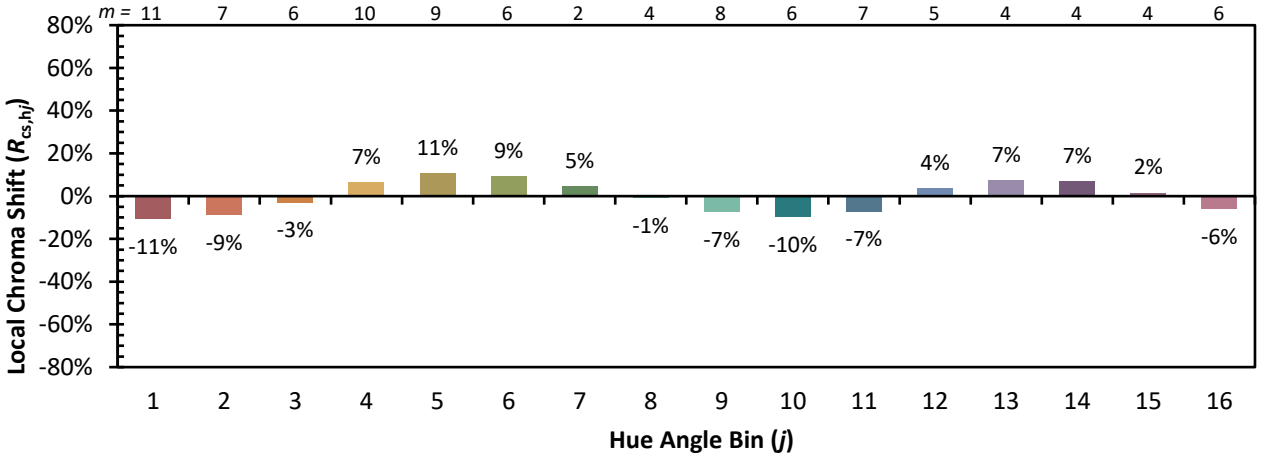
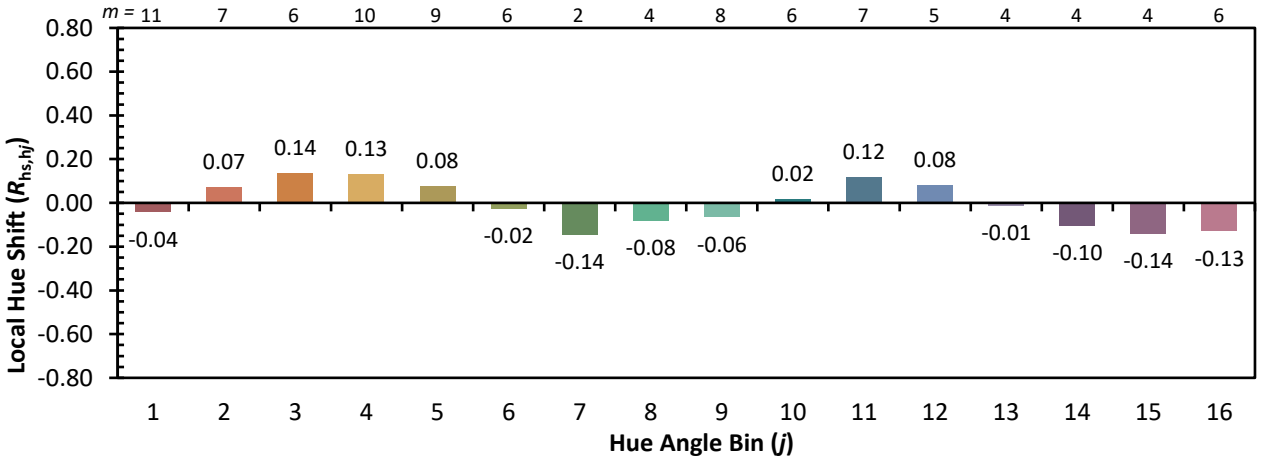
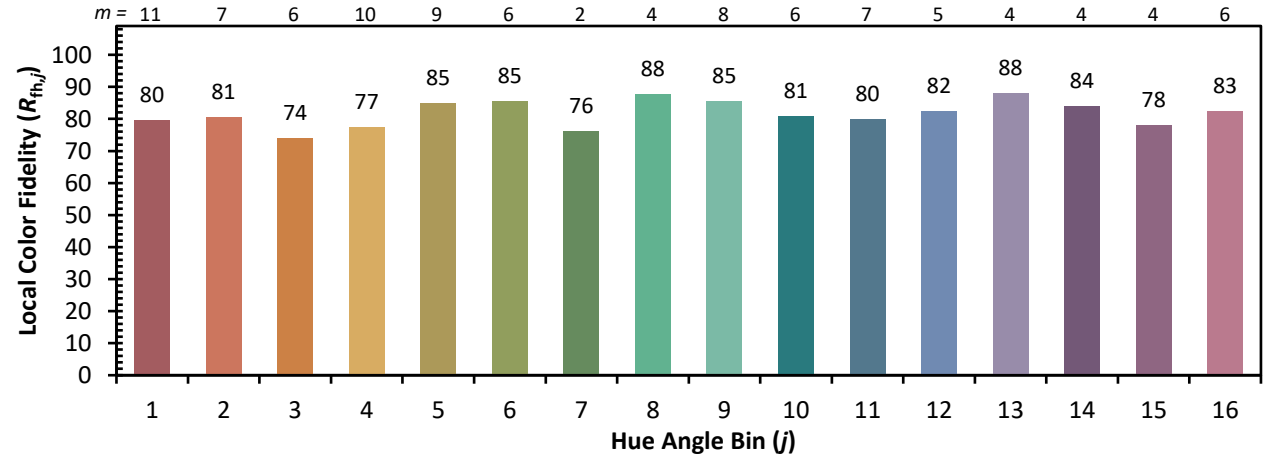
Color Rendition by Hue-Angle Bin







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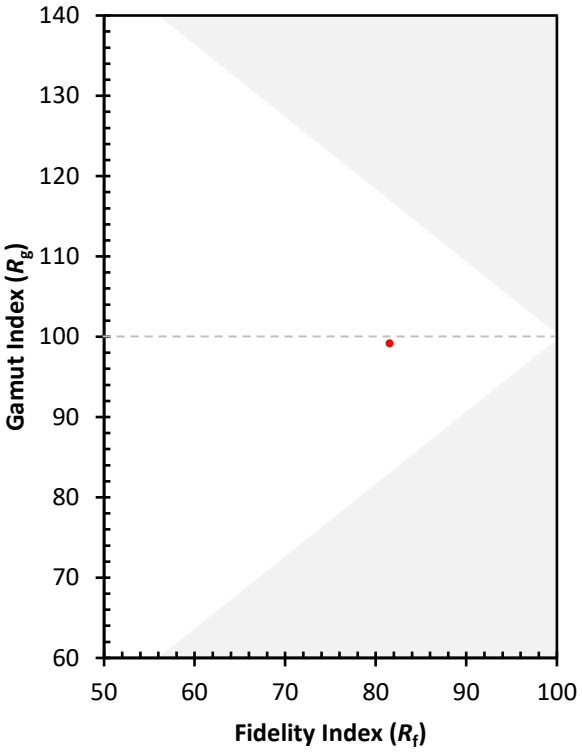
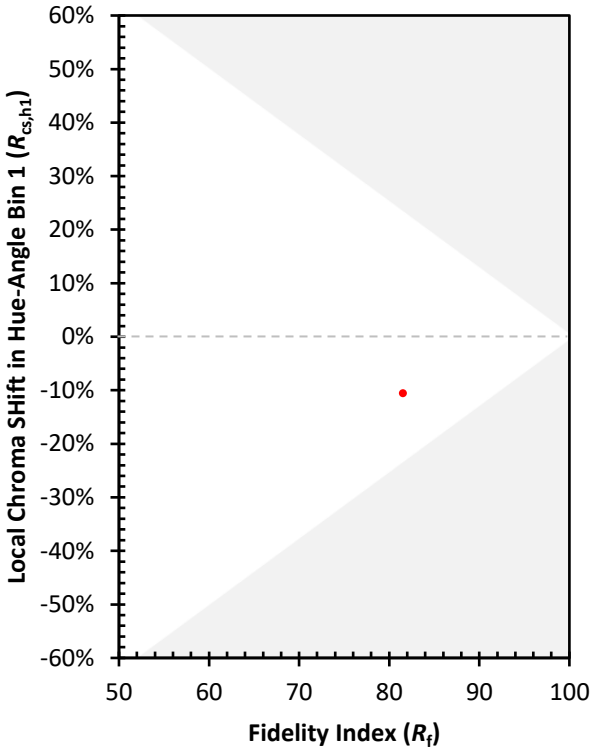
Measure Comparisons





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