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: P642929

Luminaire Tested: GWS-SA6D-830-U-SL3-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:	P642929
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
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-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR 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:	23830.7 lumens
Efficiency:	N/A
Efficacy:	97.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

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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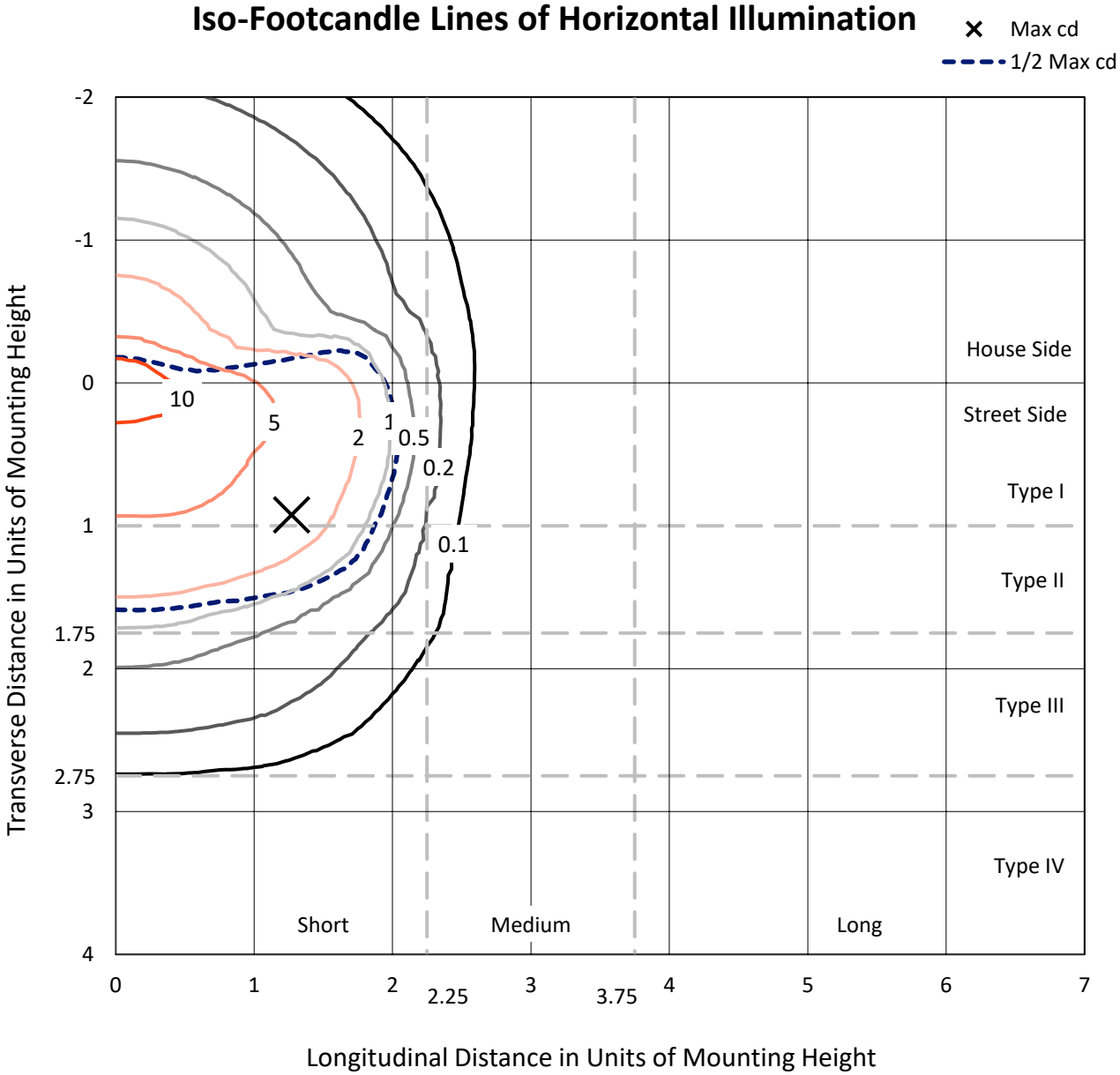
Scaled Data Report

REPORT NUMBER: P642929
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
Type II - Short - N/A

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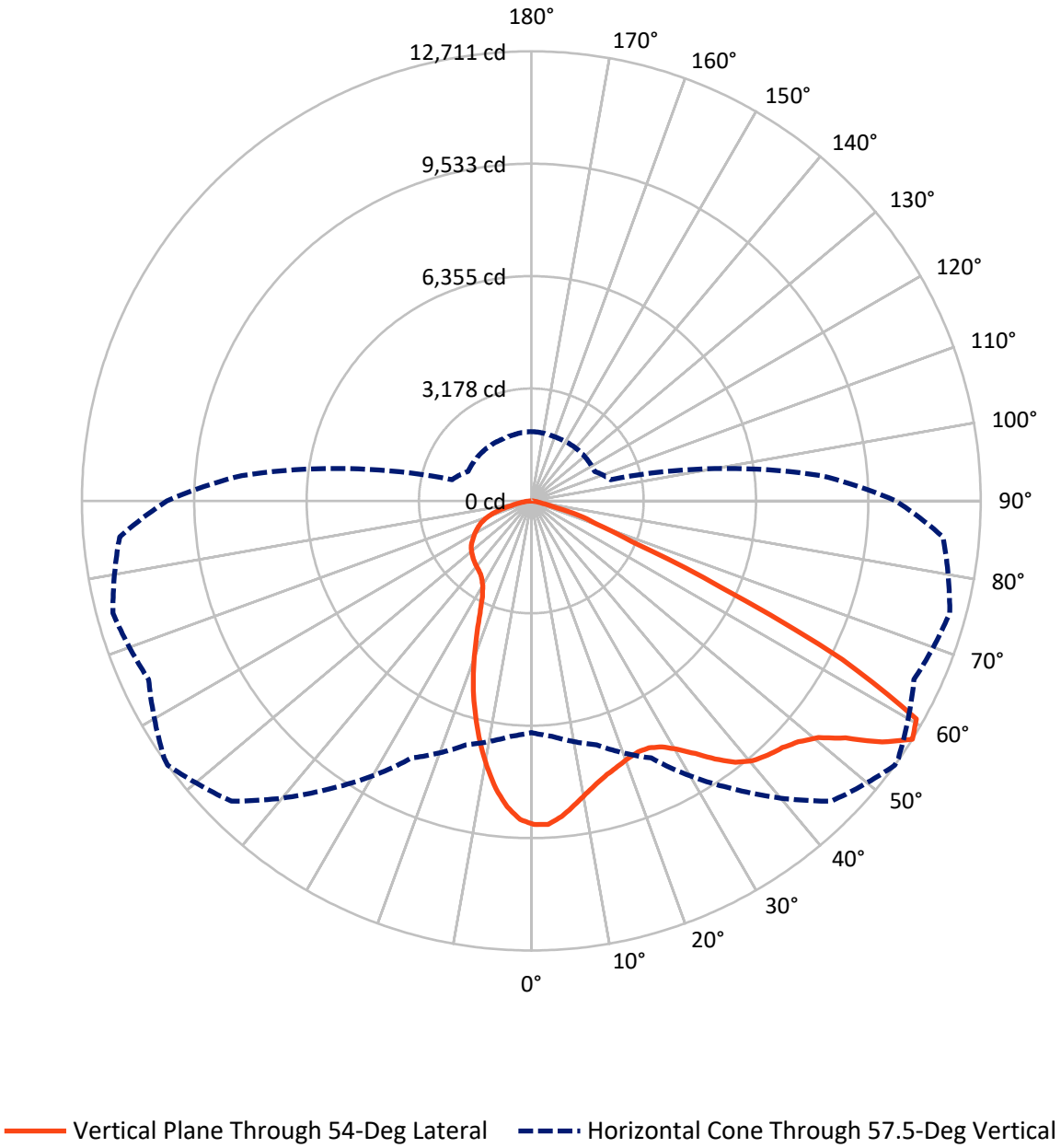
Luminous Intensity Polar Plot



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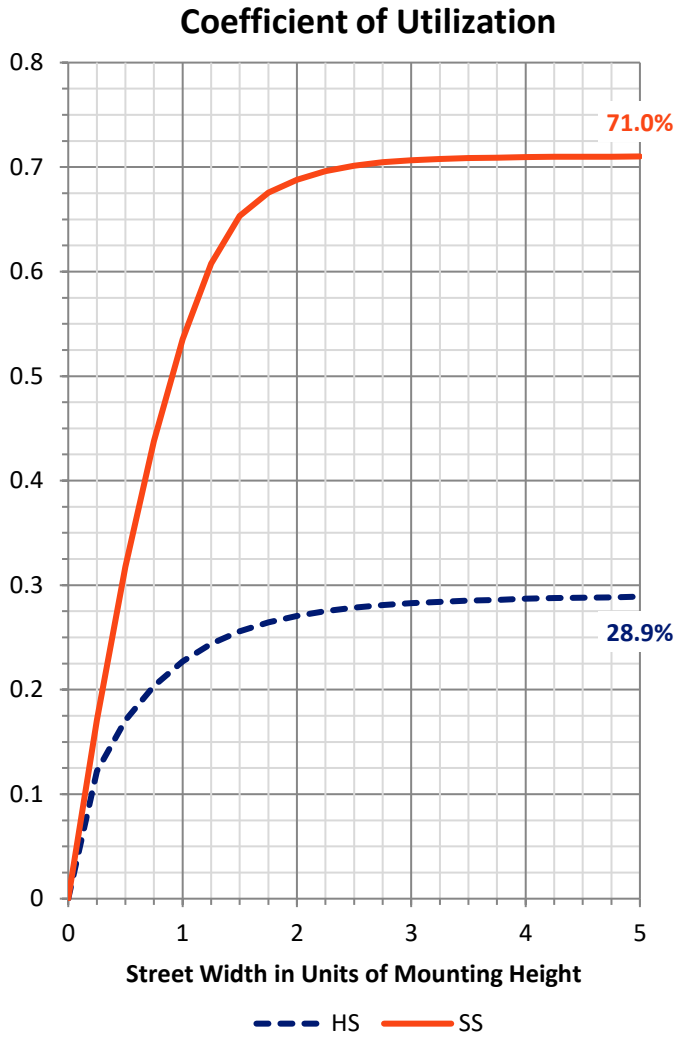
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6927.9	0.0	6927.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	16902.8	0.0	16902.8
	% Fixture	70.9	0.0	70.9
Total	Lumens	23830.7	0.0	23830.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	804.2	3.4
10°-20°	1918.9	8.1
20°-30°	2655.5	11.1
30°-40°	3689.8	15.5
40°-50°	4873.1	20.4
50°-60°	5791.0	24.3
60°-70°	3208.3	13.5
70°-80°	798.9	3.4
80°-90°	90.9	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	23830.7	100.0
0°-180°	23830.7	100.0



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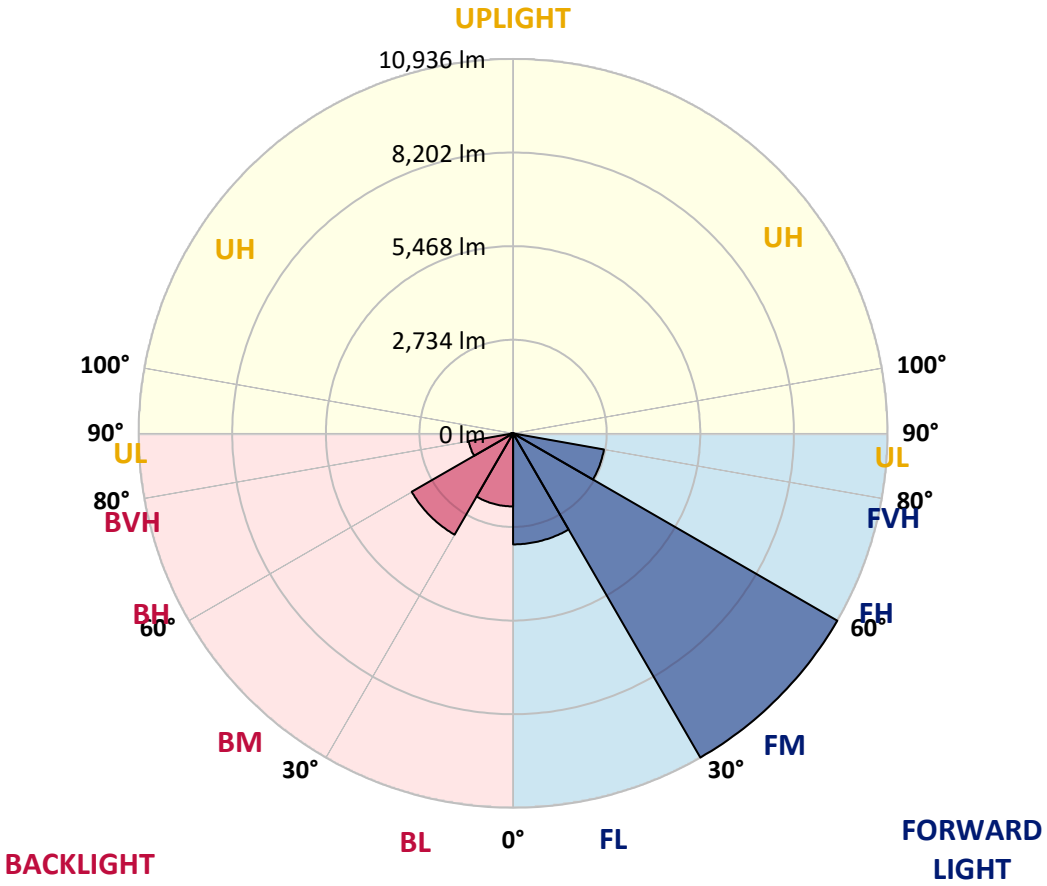
REPORT NUMBER: P642929
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3243.7	13.6			
FM	(30°-60°)	10936.3	45.9			
FH	(60°-80°)	2694.4	11.3			G2/5000
FVH	(80°-90°)	28.4	0.1			G1/100
BL	(0°-30°)	2134.9	9.0	B3/2500		
BM	(30°-60°)	3417.7	14.3	B3/5000		
BH	(60°-80°)	1312.9	5.5	B3/2500		G3/2500
BVH	(80°-90°)	62.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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Scaled Data Report

REPORT NUMBER: P642929
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1
2.5°	8977.8	8996.2	9008.4	9051.2	9087.9	9120.6	9155.3	9155.3	9153.2	9147.1	9134.9
5°	8622.8	8643.2	8671.8	8731.0	8810.5	8867.6	8961.5	8969.6	9010.4	9026.8	9018.6
7.5°	8210.8	8216.9	8253.6	8331.1	8457.6	8559.6	8694.2	8710.6	8808.5	8865.6	8855.4
10°	7759.9	7739.5	7804.8	7919.1	8084.3	8255.7	8429.0	8443.3	8600.4	8708.5	8700.4
12.5°	7347.9	7349.9	7415.2	7553.9	7759.9	7972.1	8204.7	8237.3	8431.1	8569.8	8555.5
15°	7003.1	7011.3	7090.8	7247.9	7482.5	7735.5	8025.1	8055.7	8300.5	8484.1	8443.3
17.5°	6727.7	6735.9	6805.3	6984.8	7235.7	7541.7	7894.6	7925.2	8229.1	8447.4	8363.8
20°	6538.0	6533.9	6601.3	6772.6	7031.7	7364.2	7780.3	7825.2	8206.7	8461.7	8310.7
22.5°	6460.5	6458.5	6507.4	6648.2	6890.9	7227.5	7711.0	7772.2	8231.2	8524.9	8278.1
25°	6499.3	6491.1	6533.9	6638.0	6831.8	7174.5	7731.4	7796.7	8335.2	8655.5	8284.2
27.5°	6619.6	6609.4	6646.1	6740.0	6886.8	7229.6	7874.2	7949.7	8555.5	8894.2	8365.8
30°	6803.2	6797.1	6833.8	6923.6	7052.1	7413.2	8147.5	8233.2	8896.2	9265.4	8543.3
32.5°	7017.4	7007.2	7072.5	7176.5	7325.4	7747.7	8514.7	8626.9	9300.1	9742.8	8841.1
35°	7258.1	7250.0	7339.7	7490.7	7704.9	8212.8	8959.4	9081.8	9712.2	10283.4	9236.9
37.5°	7492.7	7492.7	7666.1	7890.5	8159.8	8718.7	9377.6	9455.1	9997.8	10762.7	9661.2
40°	7700.8	7713.0	7974.1	8310.7	8653.4	9175.7	9653.0	9718.3	10124.2	11093.2	10030.4
42.5°	7931.3	7941.5	8245.5	8686.1	9094.1	9544.9	9820.3	9852.9	10148.7	11258.4	10291.5
45°	8114.9	8129.2	8506.6	8977.8	9477.6	9822.3	9952.9	9981.4	10183.4	11348.2	10481.2
47.5°	8210.8	8231.2	8663.6	9212.4	9736.7	10071.2	10171.2	10183.4	10326.2	11505.3	10709.7
50°	8194.5	8235.3	8722.8	9328.7	9928.4	10322.1	10522.0	10542.4	10617.9	11735.8	10976.9
52.5°	8339.3	8357.6	8849.3	9467.4	10201.8	10785.2	11132.0	11160.5	11125.9	11909.2	11136.1
55°	8098.6	8186.3	8692.2	9447.0	10617.9	11501.2	12035.7	12021.4	11586.9	12103.0	11401.2
57.5°	6550.3	6678.8	7141.8	8019.0	9932.5	12003.0	12710.9	12676.2	11943.9	12251.9	11688.9
60°	4534.8	4555.2	4973.4	5595.6	7666.1	10603.6	12513.0	12588.5	12009.1	12064.2	11156.5
62.5°	3627.0	3620.9	3659.7	3676.0	4875.5	7454.0	9877.4	10152.8	9977.4	9400.1	7906.8
65°	3096.6	3119.1	3233.3	3174.2	3182.3	4198.2	5901.6	5940.3	5817.9	5609.8	4181.9
67.5°	2423.5	2462.2	2664.2	2894.7	2821.2	2702.9	3062.0	3043.6	2399.0	1856.3	1534.0
70°	1517.7	1542.2	1758.4	2272.5	2456.1	2219.5	1968.5	1960.4	1285.2	1056.7	1158.7
72.5°	885.3	889.4	950.6	1266.8	1629.9	1517.7	1448.4	1395.3	826.2	842.5	924.1
75°	487.5	487.5	485.5	546.7	642.6	569.1	550.8	536.5	552.8	626.3	687.5
77.5°	102.0	104.0	110.2	144.8	187.7	228.5	287.6	289.7	361.1	418.2	467.1
80°	46.9	49.0	61.2	77.5	100.0	132.6	175.4	177.5	218.3	263.2	295.8
82.5°	24.5	26.5	32.6	40.8	53.0	69.4	97.9	97.9	130.6	155.0	175.4
85°	8.2	8.2	12.2	16.3	22.4	28.6	38.8	38.8	57.1	75.5	87.7
87.5°	0.0	0.0	0.0	0.0	2.0	4.1	8.2	8.2	10.2	12.2	20.4
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: P642929
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1	9149.1
2.5°	9108.3	9045.1	9047.1	9059.4	9020.6	8961.5	8922.7	8873.8	8843.2	8837.0	8859.5
5°	8977.8	8904.4	8853.4	8800.3	8690.2	8559.6	8457.6	8374.0	8318.9	8298.5	8274.0
7.5°	8798.3	8702.4	8573.9	8425.0	8225.1	7992.5	7829.3	7676.3	7570.2	7539.6	7525.4
10°	8618.8	8480.0	8251.6	7974.1	7641.6	7327.5	7031.7	6805.3	6625.7	6523.7	6556.4
12.5°	8433.1	8261.8	7904.8	7478.4	7015.4	6542.1	6154.5	5779.2	5489.5	5344.7	5301.8
15°	8269.9	8037.4	7539.6	6962.3	6346.3	5750.6	5189.6	4626.6	4259.4	4059.5	4004.4
17.5°	8131.2	7829.3	7154.1	6436.0	5699.6	4851.0	4161.5	3639.3	3388.3	3278.2	3270.0
20°	7994.5	7625.3	6772.6	5868.9	4953.0	4002.4	3386.3	3141.5	3051.8	3013.0	3011.0
22.5°	7872.1	7411.1	6370.7	5301.8	4210.4	3363.9	3025.2	2919.2	2894.7	2894.7	2890.6
25°	7768.1	7196.9	5958.7	4700.0	3539.3	2994.6	2837.6	2792.7	2802.9	2821.2	2823.3
27.5°	7725.3	7029.6	5560.9	4081.9	3076.2	2780.4	2709.0	2702.9	2731.5	2760.0	2764.1
30°	7770.1	6915.4	5152.9	3490.3	2798.8	2649.9	2617.2	2629.5	2664.2	2692.7	2692.7
32.5°	7908.9	6858.3	4736.7	3057.9	2637.6	2558.1	2547.9	2560.1	2586.6	2603.0	2605.0
35°	8143.5	6880.7	4306.3	2766.2	2533.6	2490.8	2488.7	2496.9	2507.1	2517.3	2519.3
37.5°	8439.2	6980.7	3845.3	2596.8	2466.3	2441.8	2437.7	2435.7	2437.7	2437.7	2439.8
40°	8728.9	7131.6	3433.2	2496.9	2419.4	2399.0	2388.8	2374.5	2372.5	2368.4	2366.3
42.5°	8943.1	7247.9	3104.8	2425.5	2376.5	2352.1	2339.8	2317.4	2315.3	2313.3	2311.3
45°	9104.3	7345.8	2831.4	2356.1	2331.7	2309.2	2282.7	2262.3	2266.4	2270.5	2270.5
47.5°	9285.8	7431.5	2631.5	2290.9	2276.6	2254.1	2221.5	2207.2	2221.5	2235.8	2235.8
50°	9506.1	7551.9	2468.3	2225.6	2219.5	2192.9	2164.4	2158.3	2174.6	2195.0	2195.0
52.5°	9667.3	7655.9	2352.1	2160.3	2160.3	2125.6	2101.1	2099.1	2117.5	2137.9	2139.9
55°	9969.2	7898.7	2311.3	2084.8	2076.7	2050.1	2031.8	2017.5	2039.9	2058.3	2058.3
57.5°	*10309.9*	*8221.0*	*2321.5*	*1976.7*	*1966.5*	*1958.3*	*1944.1*	*1927.7*	*1933.9*	*1954.3*	*1956.3*
60°	9587.7	7596.7	2209.3	1868.6	1862.5	1858.4	1840.0	1811.5	1819.6	1835.9	1838.0
62.5°	6697.1	5048.9	1787.0	1734.0	1754.4	1752.3	1727.8	1695.2	1697.2	1719.7	1719.7
65°	3476.1	2731.5	1568.7	1611.6	1642.2	1629.9	1589.1	1560.6	1556.5	1585.0	1578.9
67.5°	1499.4	1491.2	1428.0	1483.0	1515.7	1489.2	1446.3	1399.4	1403.5	1413.7	1405.5
70°	1207.6	1244.4	1270.9	1330.0	1356.6	1307.6	1260.7	1234.2	1211.7	1209.7	1195.4
72.5°	964.9	1015.9	1075.1	1136.2	1144.4	1095.4	1036.3	1011.8	977.1	975.1	960.8
75°	726.2	769.1	816.0	864.9	864.9	818.0	779.3	767.0	726.2	714.0	701.7
77.5°	495.7	522.2	558.9	571.2	583.4	565.1	526.3	505.9	459.0	446.7	430.4
80°	312.1	330.5	352.9	361.1	373.3	350.9	320.3	297.8	265.2	255.0	246.8
82.5°	187.7	199.9	214.2	218.3	228.5	212.2	183.6	167.3	148.9	140.8	134.6
85°	95.9	102.0	110.2	112.2	110.2	93.8	83.6	75.5	63.2	61.2	57.1
87.5°	24.5	28.6	30.6	28.6	26.5	20.4	14.3	10.2	4.1	4.1	2.0
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

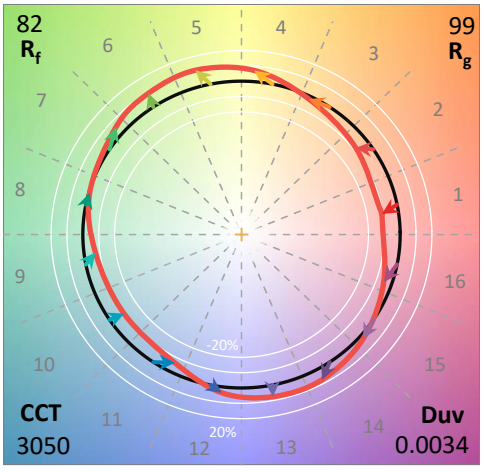
Test Information

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

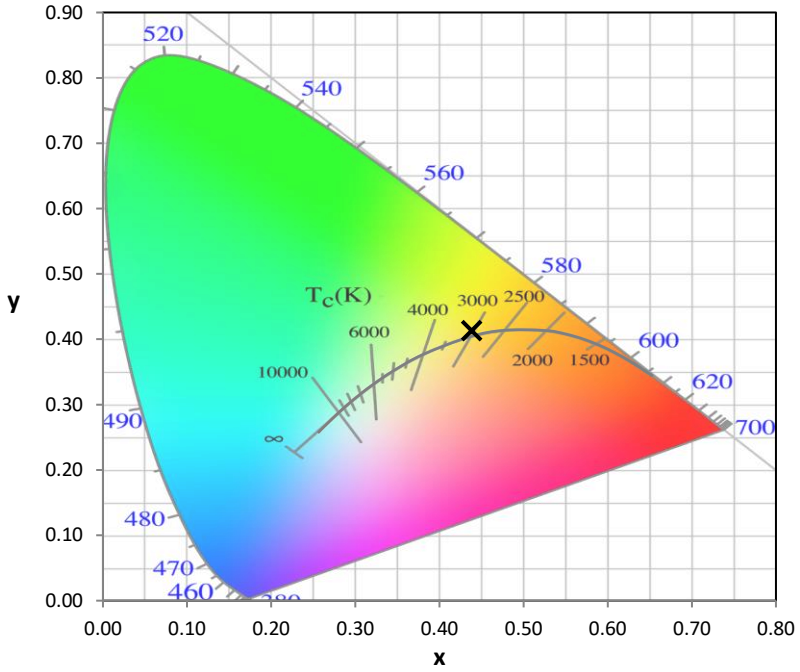
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

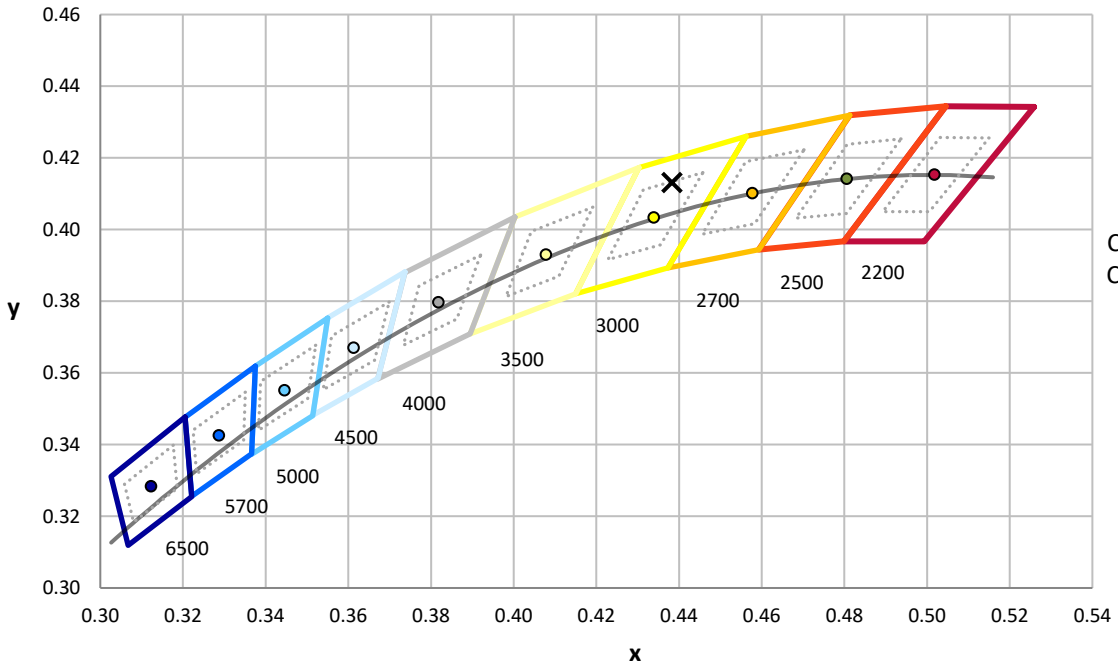
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

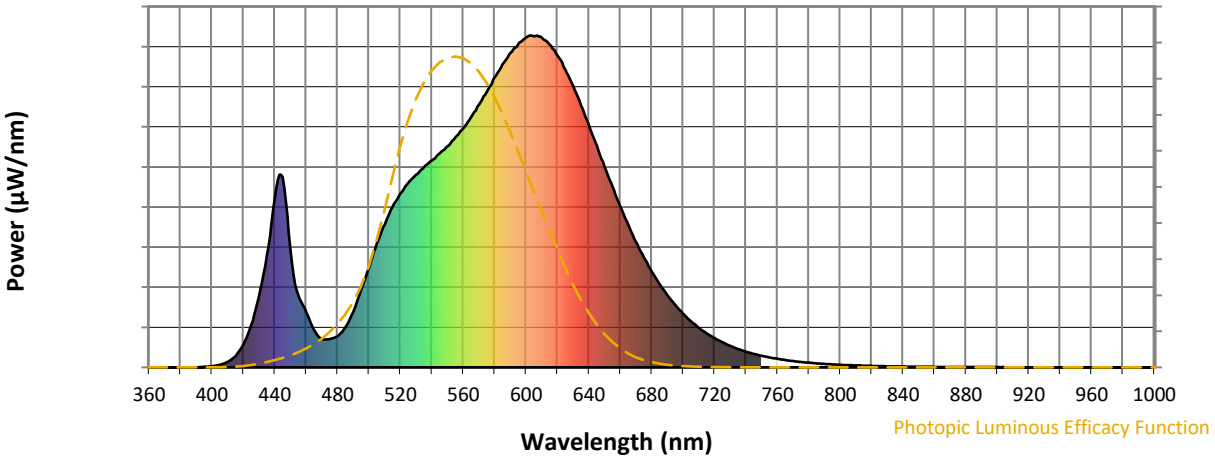


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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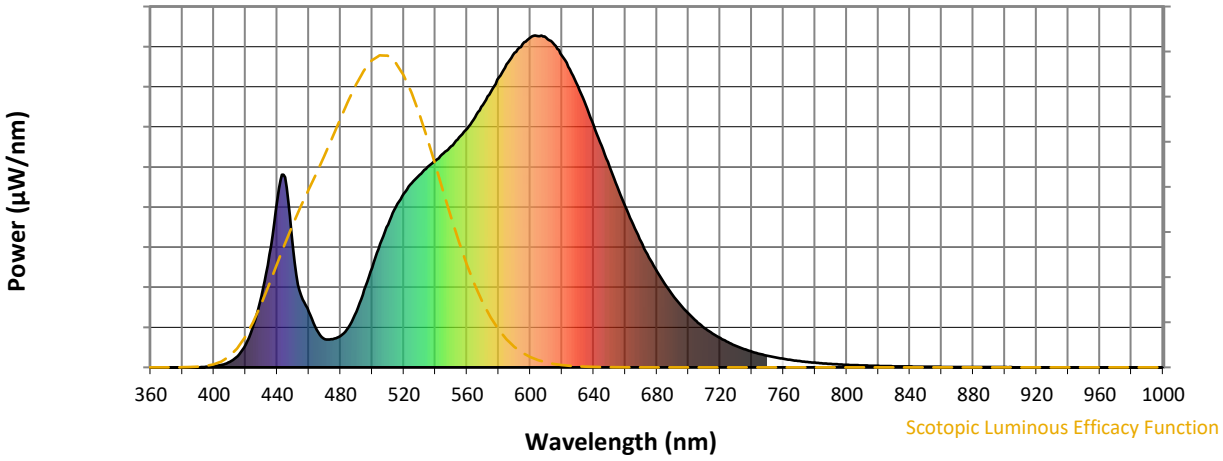
Scotopic Flux vs. Wavelength



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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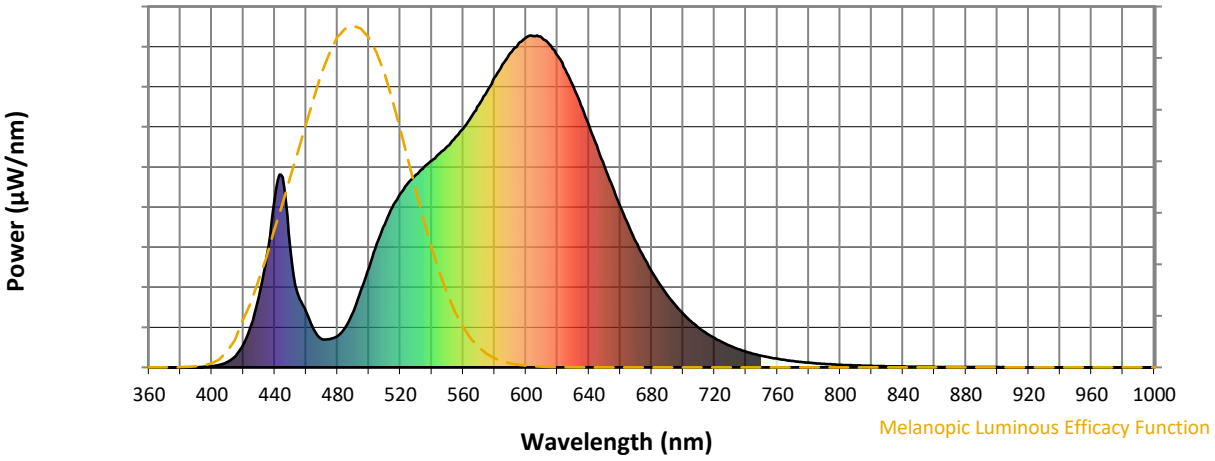
Melanopic Flux vs. Wavelength



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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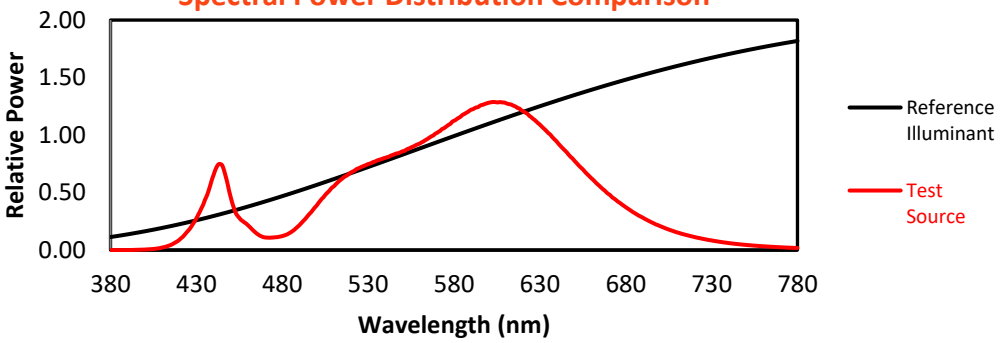
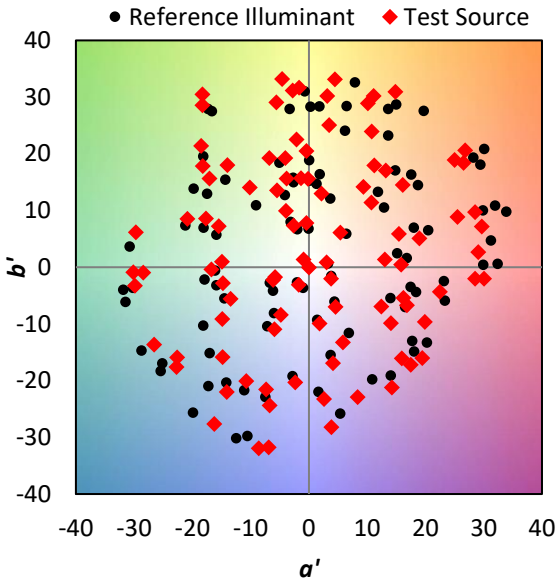
Summary

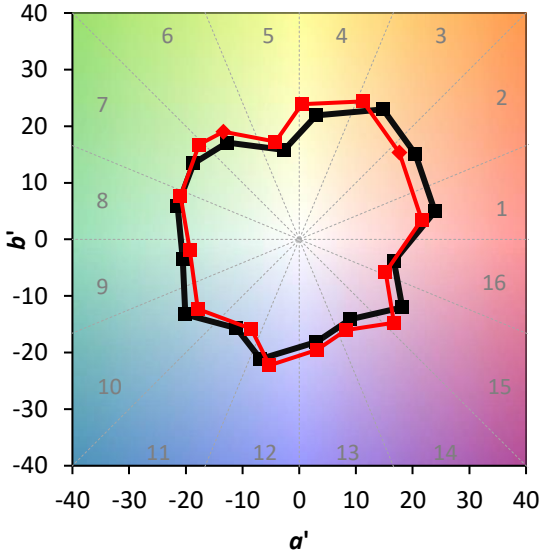
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

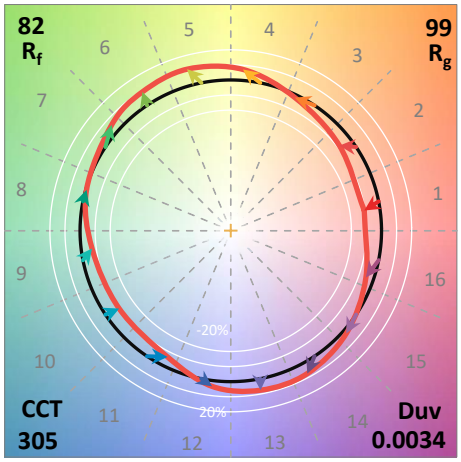
Spectral Power Distribution Comparison

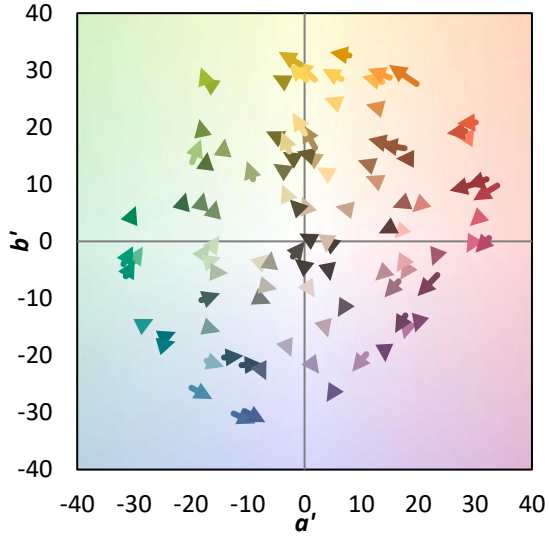


Color Vector Graphics









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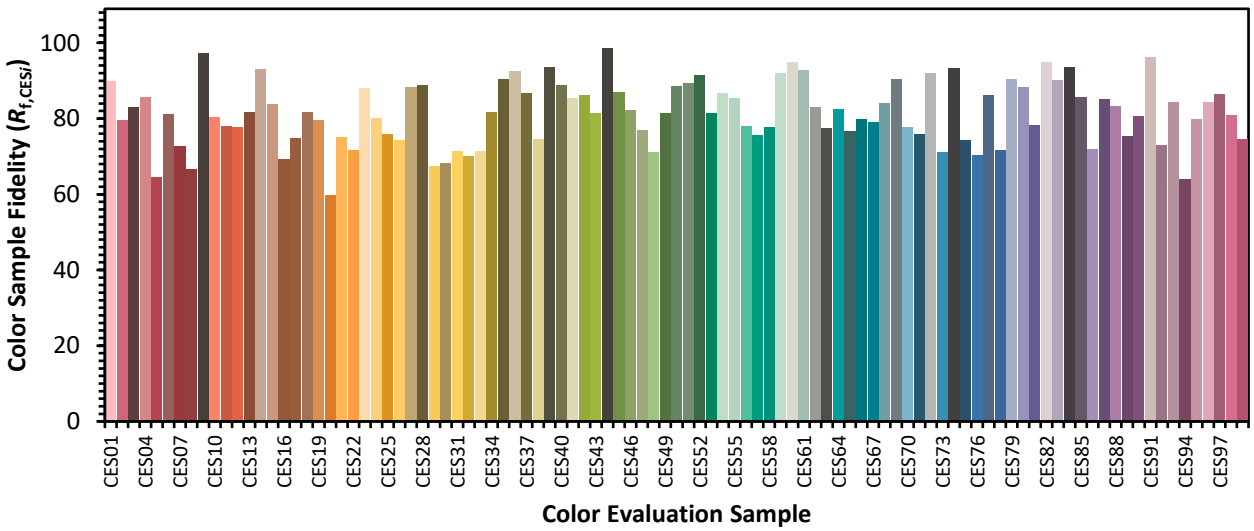
Individual Sample Fidelity Index ($R_{f,i}$)

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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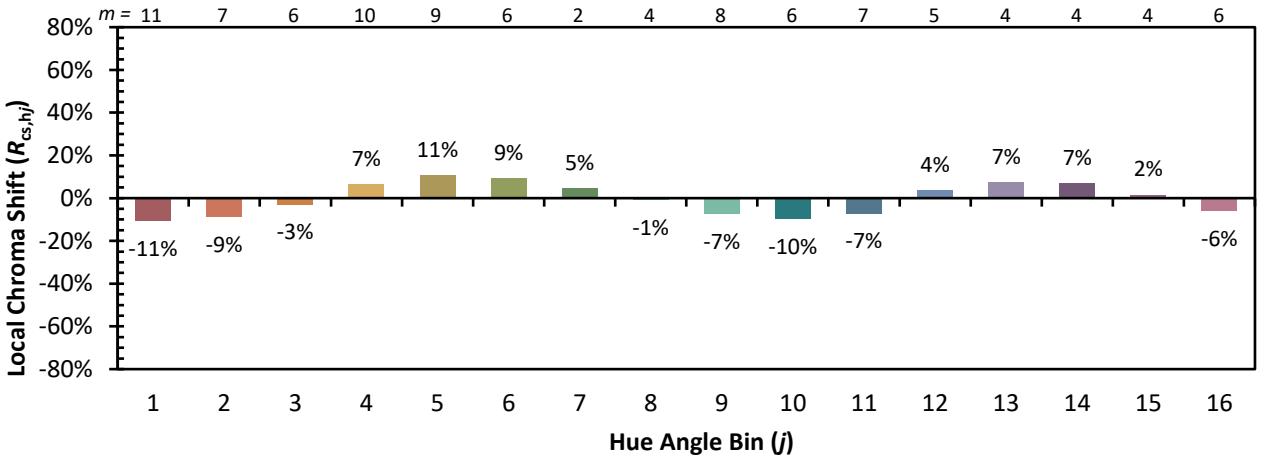
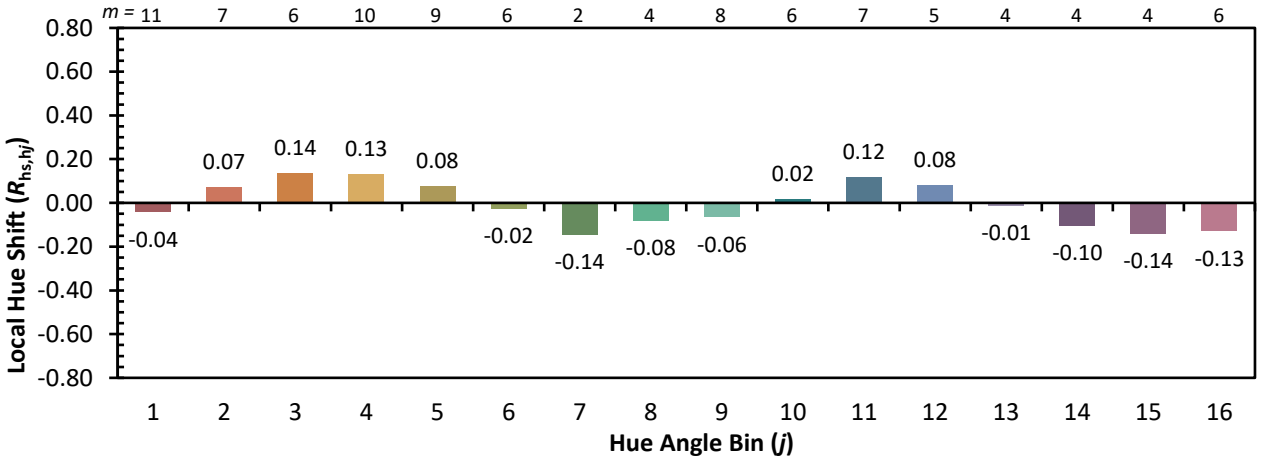
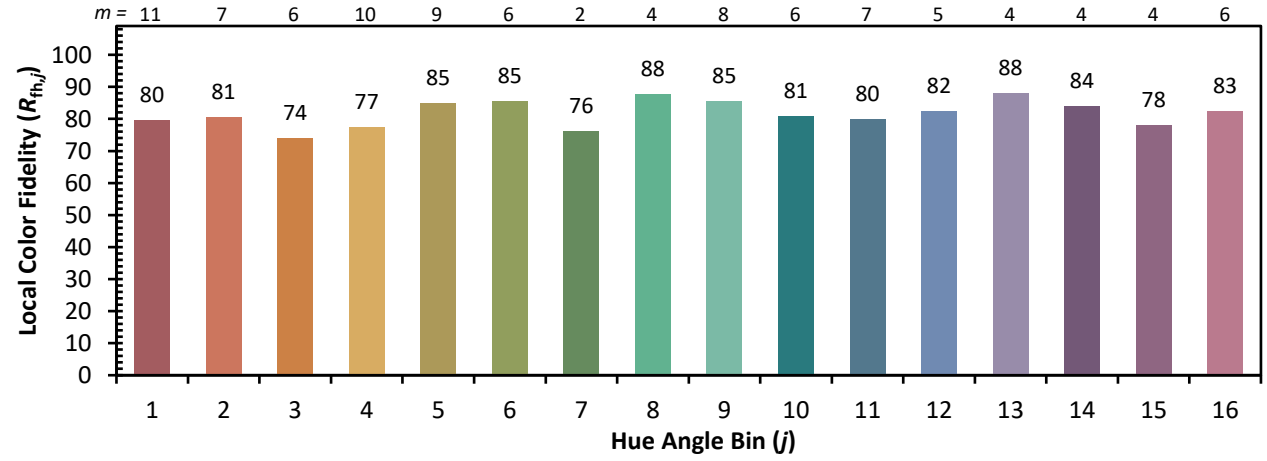
Color Rendition by Hue-Angle Bin







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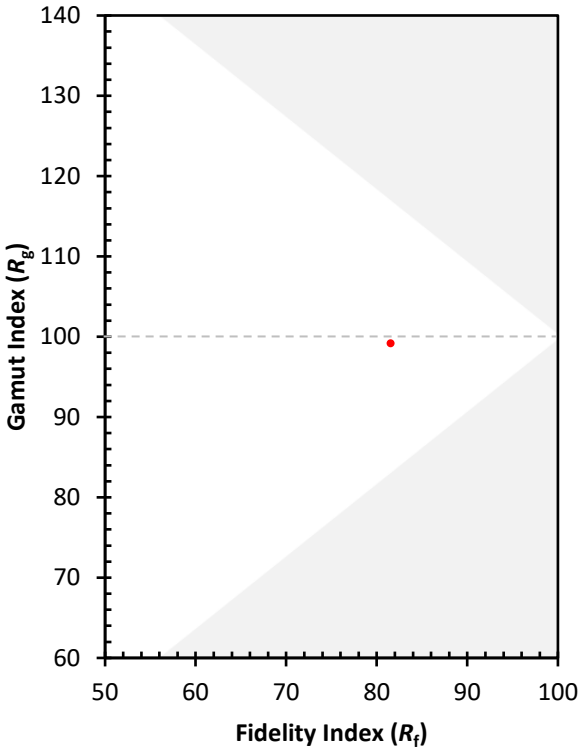
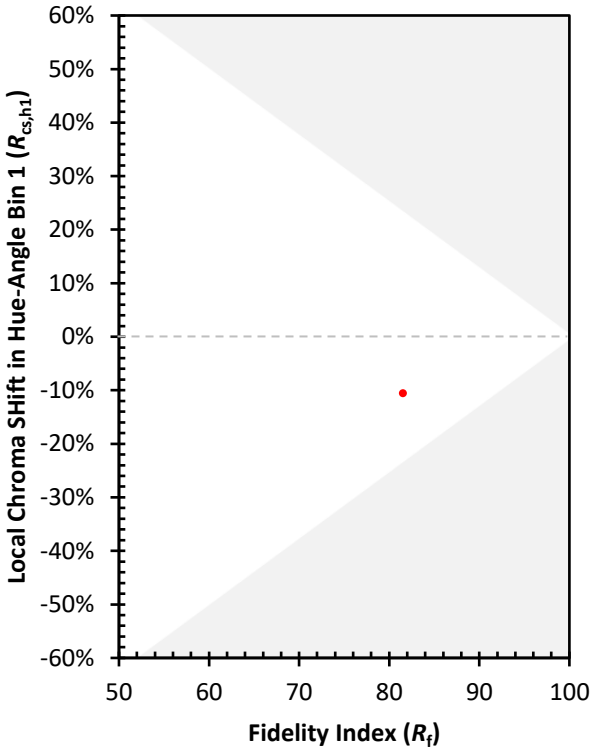
Measure Comparisons





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