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: P643933

Luminaire Tested: GWS-SA6F-830-U-T2-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:	P643933
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-T2-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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:	23484.8 lumens
Efficiency:	N/A
Efficacy:	63.0 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):	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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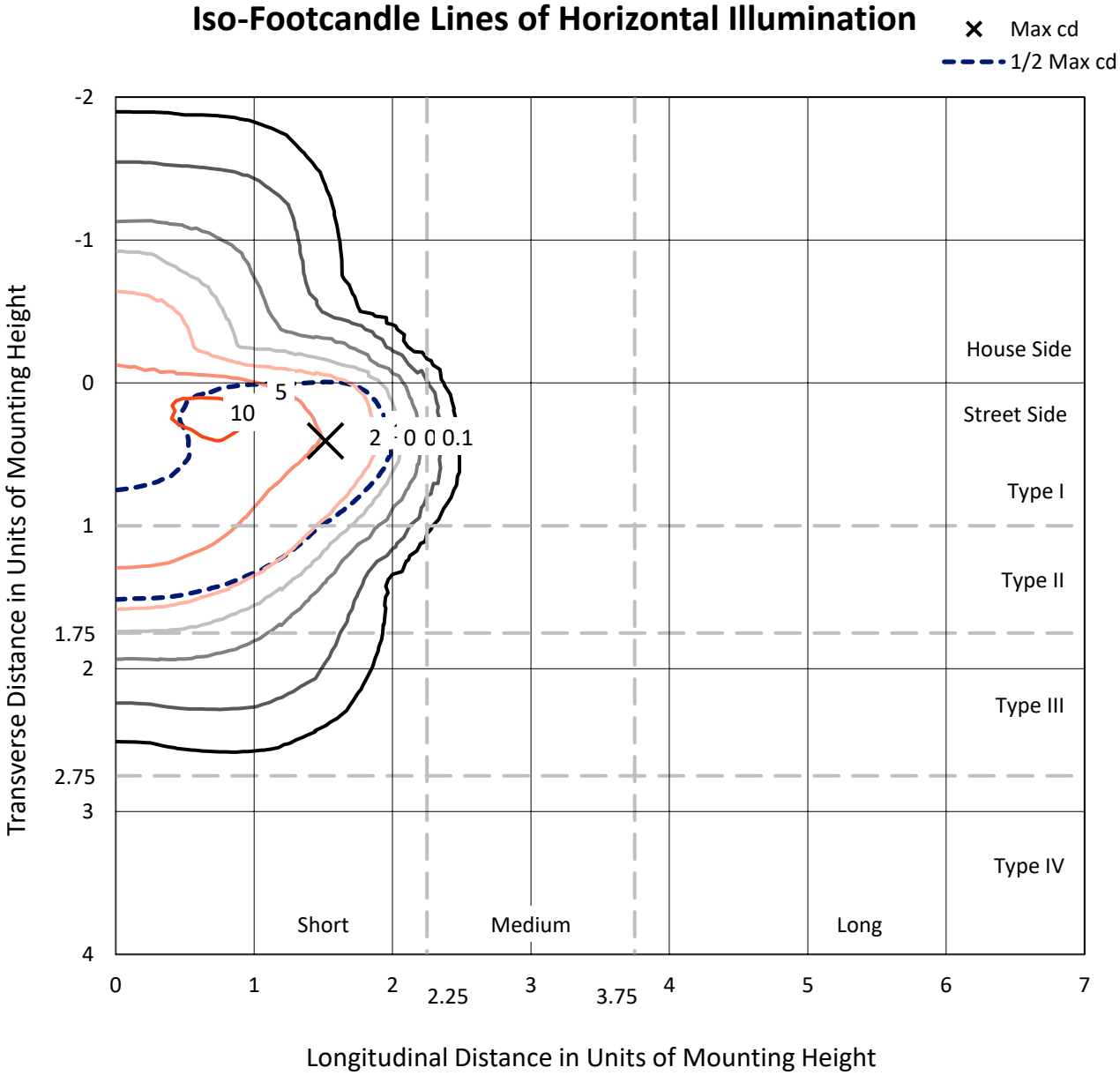
REPORT NUMBER: P643933
CATALOG NUMBER: GWS-SA6F-830-U-T2-W-GRSBK

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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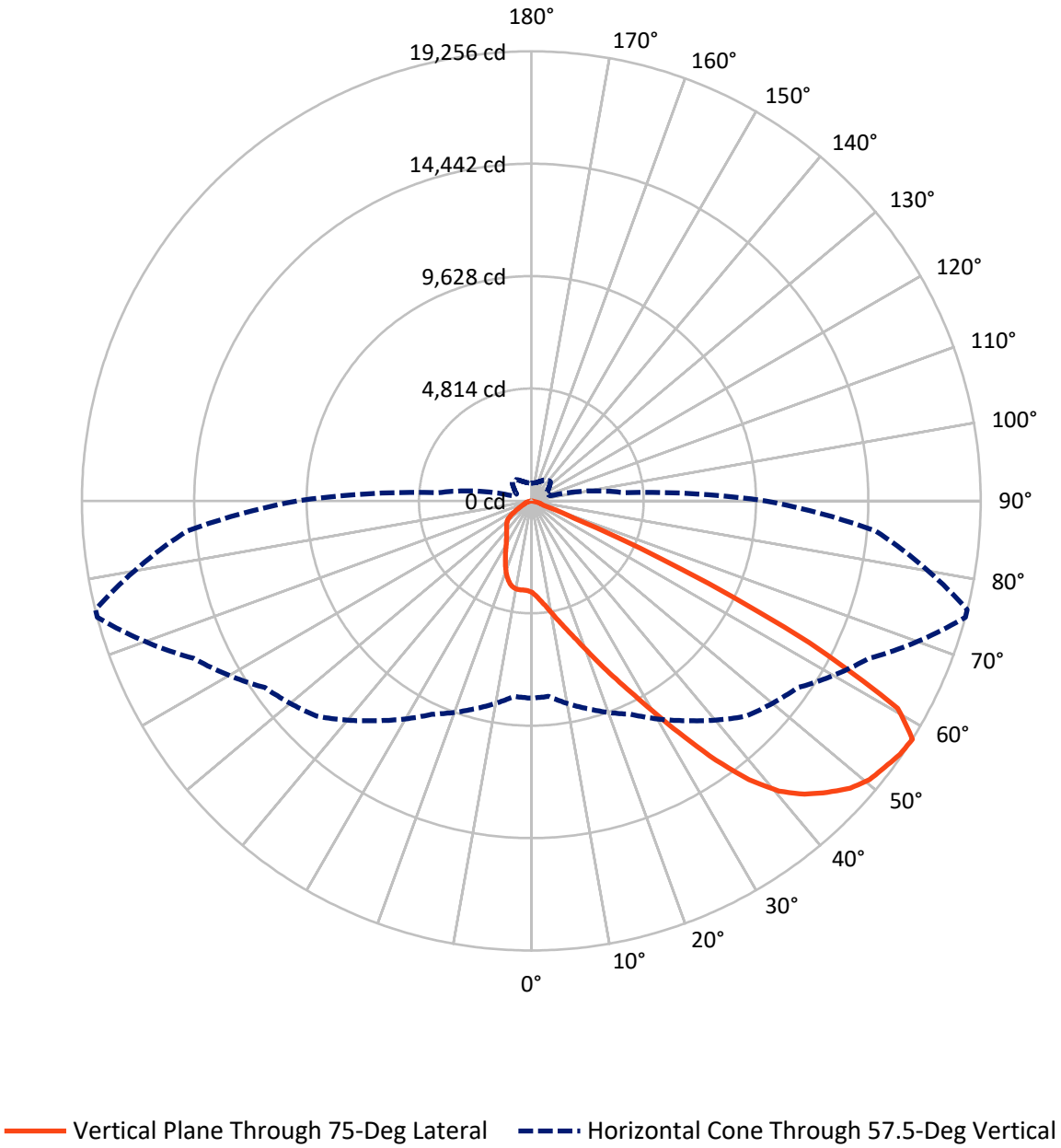
Luminous Intensity Polar Plot



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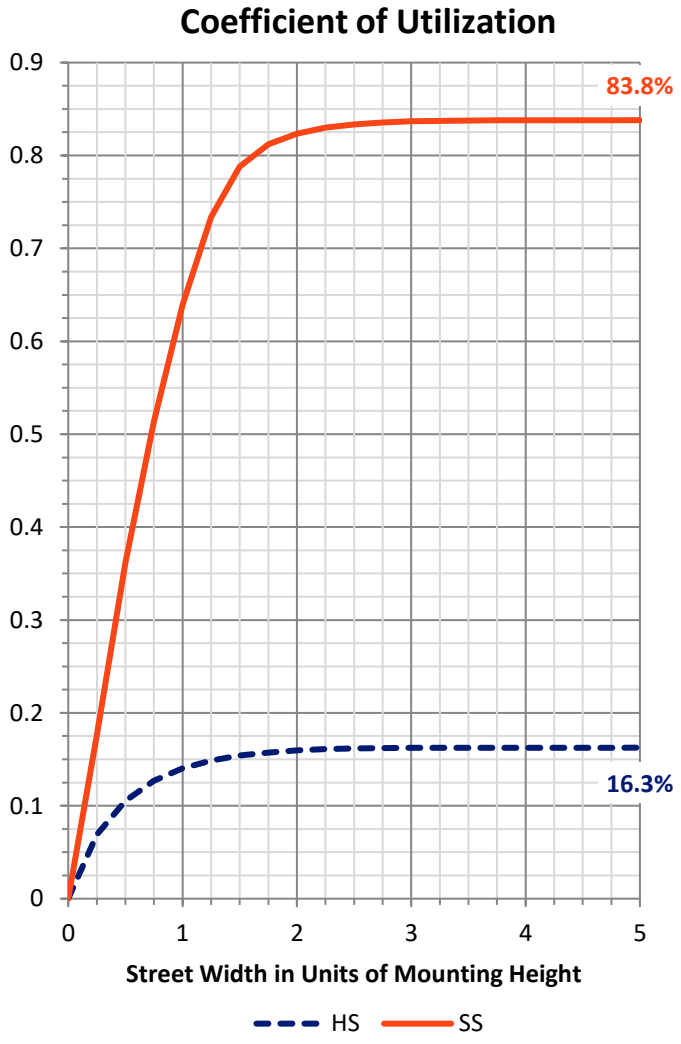
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3836.2	0.0	3836.2
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	19648.6	0.0	19648.6
	% Fixture	83.7	0.0	83.7
Total	Lumens	23484.8	0.0	23484.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.6	1.7
10°-20°	1294.8	5.5
20°-30°	2371.0	10.1
30°-40°	3933.7	16.8
40°-50°	6007.8	25.6
50°-60°	6750.8	28.7
60°-70°	2490.0	10.6
70°-80°	238.0	1.0
80°-90°	0.2	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°	23484.8	100.0
0°-180°	23484.8	100.0



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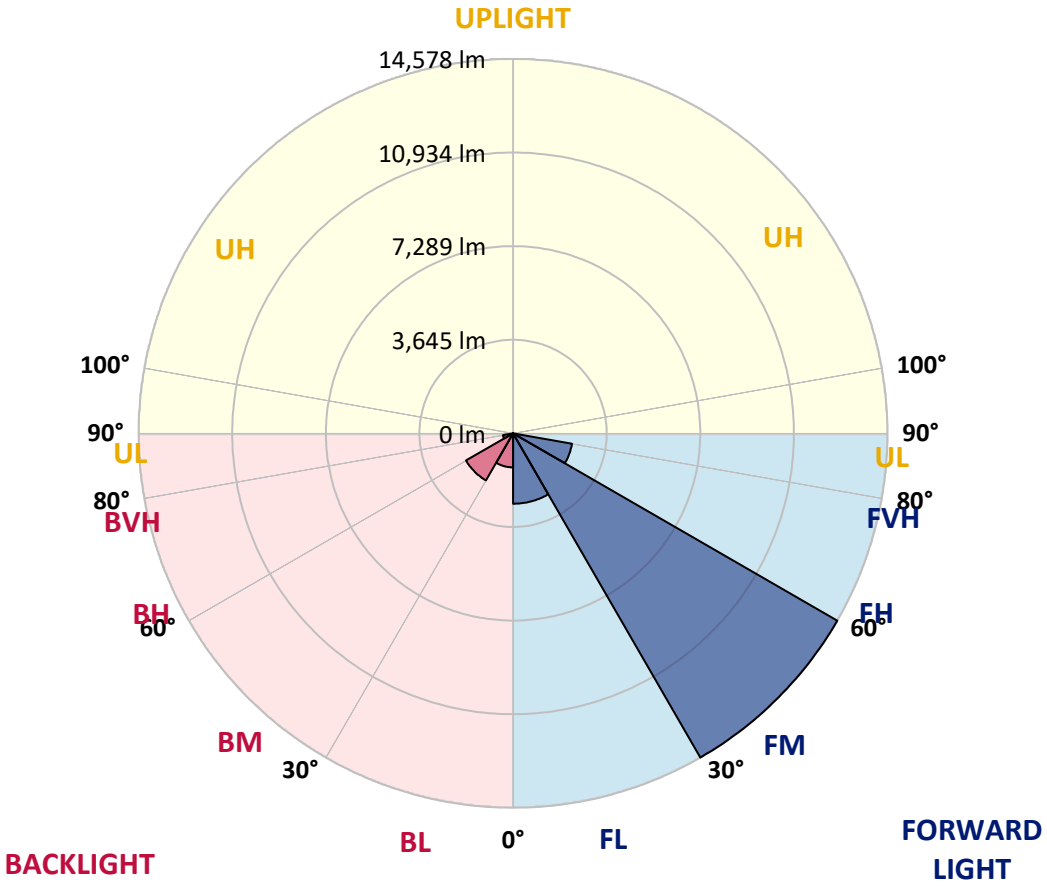
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2740.6	11.7			
FM	(30°-60°)	14578.3	62.1			
FH	(60°-80°)	2329.6	9.9			G2/5000
FVH	(80°-90°)	0.1	0.0			G0/10
BL	(0°-30°)	1323.7	5.6	B3/2500		
BM	(30°-60°)	2114.0	9.0	B2/2500		
BH	(60°-80°)	398.4	1.7	B1/500		G1/500
BVH	(80°-90°)	0.1	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3916.9	3916.9	3916.9	3916.9	3916.9	3916.9	3916.9	3916.9	*3916.9*	3916.9	3916.9
2.5°	4376.1	4421.4	4407.3	4378.9	4361.9	4302.4	4265.6	4157.8	*4081.3*	4072.8	4002.0
5°	4928.8	4920.3	4908.9	4874.9	4846.6	4753.0	4642.5	4461.1	*4299.6*	4279.7	4129.5
7.5°	5232.0	5237.7	5243.4	5237.7	5217.9	5147.0	5025.1	4812.6	*4566.0*	4549.0	4310.9
10°	5356.7	5368.1	5396.4	5450.3	5498.5	5492.8	5421.9	5203.7	*4900.4*	4872.1	4551.8
12.5°	5416.3	5430.4	5475.8	5577.8	5708.2	5810.2	5821.6	5626.0	*5291.6*	5246.2	4838.1
15°	5498.5	5512.6	5569.3	5702.5	5892.4	6093.6	6224.0	6099.3	*5725.2*	5677.0	5152.7
17.5°	5535.3	5555.1	5637.3	5813.1	6059.6	6368.6	6663.3	6652.0	*6238.2*	6201.3	5518.3
20°	5606.2	5620.3	5694.0	5883.9	6181.5	6626.5	7122.5	7301.0	*6864.6*	6810.7	5960.4
22.5°	5830.1	5835.7	5869.7	5988.8	6266.5	6813.5	7590.1	8057.8	*7604.3*	7533.4	6456.4
25°	6195.7	6192.8	6207.0	6226.9	6430.9	7003.4	8040.8	8910.9	*8451.7*	8375.2	7017.6
27.5°	6660.5	6660.5	6694.5	6637.8	6720.0	7238.7	8485.8	9891.5	*9438.1*	9330.4	7632.6
30°	7207.5	7204.7	7284.0	7193.3	7218.8	7610.0	8964.7	10960.1	*10628.4*	10495.2	8341.2
32.5°	7950.1	7933.1	8023.8	7899.1	7814.0	8171.2	9548.6	12076.8	*12054.1*	11850.0	9231.2
35°	8888.2	8859.9	8888.2	8766.3	8613.3	8956.2	10313.8	13190.6	*13635.6*	13420.2	10291.2
37.5°	9820.7	9911.4	9942.6	9732.8	9608.1	9951.1	11235.0	14188.3	*15146.2*	14922.3	11393.7
40°	10920.4	10892.0	10999.7	10764.5	10685.1	11064.9	12136.3	14930.8	*16342.3*	16129.7	12374.3
42.5°	11731.0	11782.0	11915.2	11784.8	11722.5	12079.6	12893.0	15364.5	*17172.7*	16963.0	13074.4
45°	12703.1	12740.0	12791.0	12683.3	12618.1	12969.5	13440.0	15554.4	*17804.8*	17578.0	13544.9
47.5°	13754.6	13783.0	13783.0	13561.9	13352.2	13496.7	13805.6	15662.1	*18385.8*	18167.6	13893.5
50°	14508.5	14522.7	14647.4	14491.5	14035.2	13811.3	13972.9	15766.9	*18771.3*	18567.2	14006.9
52.5°	13839.7	13822.7	14233.6	14556.7	14678.6	14233.6	14262.0	15920.0	*18958.3*	18782.6	14097.6
55°	11654.4	11626.1	12204.3	12989.4	14063.6	14633.2	14610.6	16010.7	*19165.2*	19057.5	14426.3
57.5°	*8448.9*	*8400.7*	*9205.7*	*10078.6*	*11487.2*	*13031.9*	*13938.9*	*15959.7*	*19255.9*	*19247.4*	*14809.0*
60°	5079.0	5039.3	5798.9	6717.2	7805.5	9358.7	10863.7	14296.0	*18042.9*	18059.9	13814.1
62.5°	3126.2	3163.0	3848.9	4316.6	4721.9	5189.5	6059.6	9616.6	*13366.3*	13476.9	9707.3
65°	2103.0	2131.4	2766.2	3355.8	3355.8	2743.6	2355.3	4597.2	*7131.0*	6943.9	4591.5
67.5°	1411.5	1442.6	1944.3	2633.0	2732.2	1913.1	955.1	1371.8	*1986.8*	1927.3	1136.5
70°	830.4	864.4	1295.3	1805.4	1989.6	1332.1	637.7	581.0	*564.0*	547.0	442.1
72.5°	371.3	385.5	660.4	918.3	838.9	561.2	450.6	464.8	*439.3*	430.8	360.0
75°	113.4	119.0	170.1	198.4	201.2	201.2	272.1	365.6	*345.8*	348.6	277.8
77.5°	28.3	28.3	45.3	42.5	22.7	19.8	51.0	82.2	*85.0*	76.5	56.7
80°	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	*2.8*	2.8	2.8
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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Scaled Data Report

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CATALOG NUMBER: GWS-SA6F-830-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3916.9	3916.9	3916.9	3916.9	3916.9	3916.9	3916.9	3916.9	3916.9	3916.9	3916.9
2.5°	3970.8	3897.1	3848.9	3780.9	3732.7	3681.7	3636.3	3599.5	3579.7	3574.0	3576.8
5°	4061.5	3945.3	3831.9	3701.5	3610.8	3525.8	3457.8	3403.9	3378.4	3369.9	3369.9
7.5°	4200.4	4038.8	3837.6	3633.5	3480.5	3347.3	3267.9	3208.4	3185.7	3180.0	3163.0
10°	4381.8	4160.7	3829.1	3511.6	3296.2	3157.4	3100.7	3083.7	3092.2	3095.0	3092.2
12.5°	4600.0	4288.2	3775.2	3333.1	3100.7	3015.6	3021.3	3066.7	3117.7	3143.2	3148.9
15°	4832.4	4404.4	3653.4	3120.5	2933.5	2930.6	3012.8	3117.7	3216.9	3259.4	3270.7
17.5°	5093.2	4498.0	3466.3	2893.8	2788.9	2871.1	3018.5	3180.0	3313.2	3384.1	3398.3
20°	5379.4	4574.5	3228.2	2681.2	2661.4	2808.7	3012.8	3211.2	3375.6	3455.0	3469.1
22.5°	5677.0	4628.3	2953.3	2485.6	2545.2	2737.9	2959.0	3151.7	3307.6	3398.3	3409.6
25°	6017.1	4634.0	2672.7	2321.3	2437.5	2641.5	2828.6	2987.3	3117.7	3197.0	3205.5
27.5°	6314.7	4566.0	2423.3	2188.0	2338.3	2522.5	2647.2	2735.1	2825.8	2871.1	2873.9
30°	6657.7	4446.9	2188.0	2080.3	2236.2	2375.1	2437.5	2457.3	2465.8	2474.3	2463.0
32.5°	7065.8	4302.4	2012.3	1975.5	2120.0	2213.6	2230.6	2190.9	2142.7	2074.7	2057.7
35°	7567.5	4172.0	1867.8	1873.4	1992.5	2049.2	2035.0	1950.0	1856.4	1774.2	1760.1
37.5°	8111.6	4061.5	1757.2	1774.2	1853.6	1893.3	1850.8	1757.2	1714.7	1643.9	1646.7
40°	8593.5	3970.8	1658.0	1675.0	1711.9	1748.7	1680.7	1618.4	1697.7	1692.0	1697.7
42.5°	8936.4	3894.3	1573.0	1564.5	1590.0	1615.5	1564.5	1533.3	1666.5	1629.7	1649.5
45°	9137.6	3823.4	1502.2	1451.1	1490.8	1536.2	1502.2	1462.5	1507.8	1337.8	1323.6
47.5°	9273.7	3783.7	1439.8	1340.6	1411.5	1490.8	1420.0	1323.6	1258.4	1111.0	1099.7
50°	9287.8	3763.9	1366.1	1227.2	1317.9	1403.0	1320.8	1187.6	1094.0	1028.8	1020.3
52.5°	9361.5	3803.6	1264.1	1082.7	1181.9	1317.9	1261.2	1128.0	1000.5	943.8	932.5
55°	9690.3	3970.8	1094.0	884.3	1028.8	1252.7	1213.1	1006.2	884.3	850.3	841.8
57.5°	*10030.4*	*4004.8*	*861.6*	*700.1*	*895.6*	*1159.2*	*1108.2*	*926.8*	*807.8*	*768.1*	*759.6*
60°	9171.6	3299.1	646.2	578.2	790.8	1071.3	1026.0	878.6	739.7	691.6	683.1
62.5°	6025.6	1782.7	513.0	490.3	666.0	907.0	935.3	793.6	660.4	609.4	606.5
65°	2777.6	827.6	394.0	388.3	521.5	722.7	804.9	694.4	558.3	513.0	513.0
67.5°	756.7	411.0	308.9	286.3	354.3	484.7	586.7	518.7	396.8	342.9	340.1
70°	377.0	331.6	277.8	246.6	255.1	300.4	345.8	289.1	201.2	164.4	161.6
72.5°	308.9	272.1	235.2	209.7	192.7	184.2	178.6	144.5	93.5	70.9	68.0
75°	229.6	195.6	167.2	136.0	116.2	107.7	96.4	70.9	39.7	22.7	19.8
77.5°	51.0	48.2	45.3	34.0	31.2	25.5	19.8	14.2	5.7	0.0	0.0
80°	2.8	2.8	2.8	2.8	2.8	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

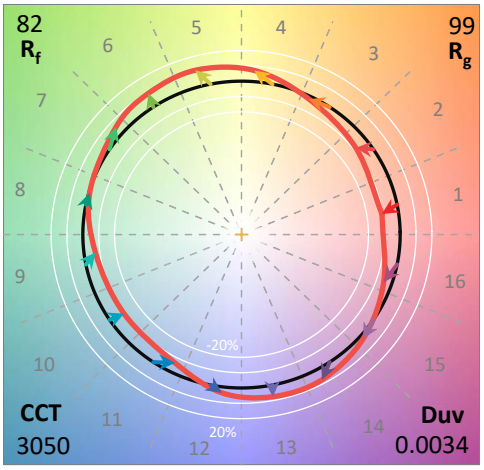
Test Information

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

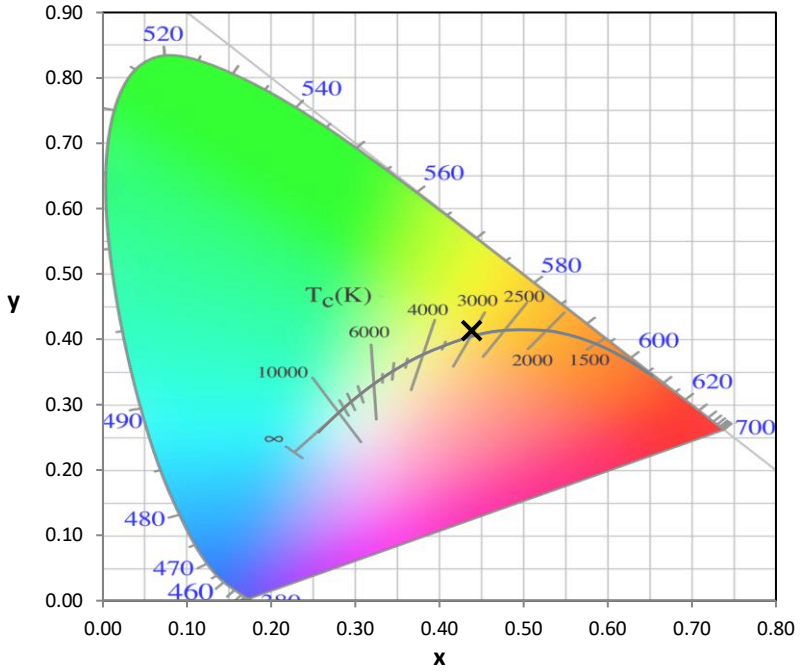
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

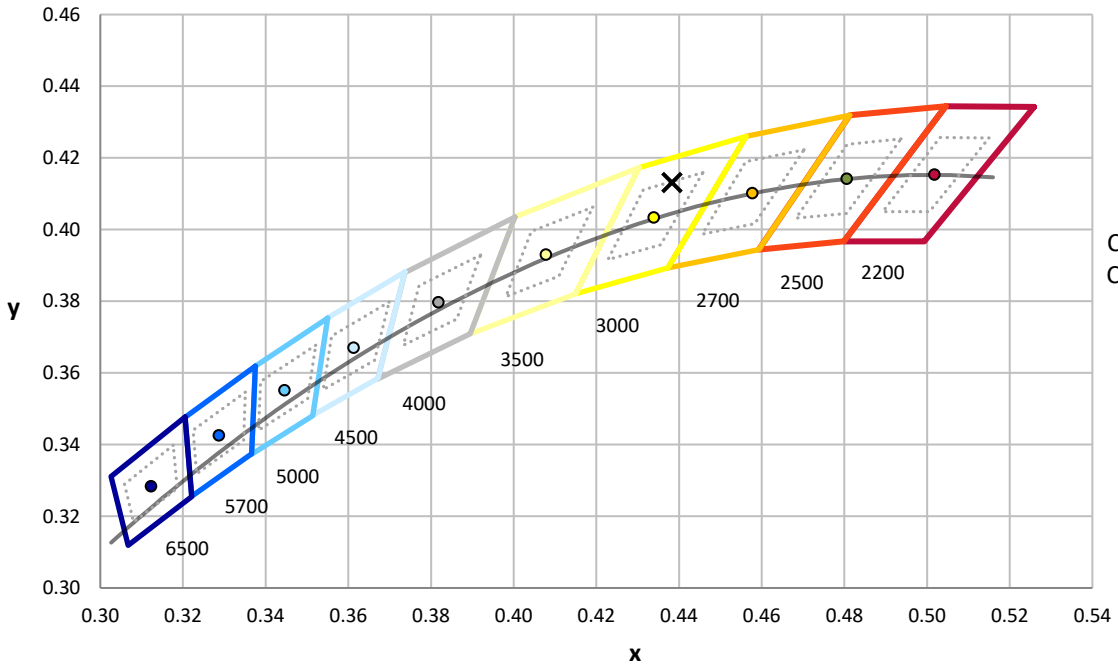
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

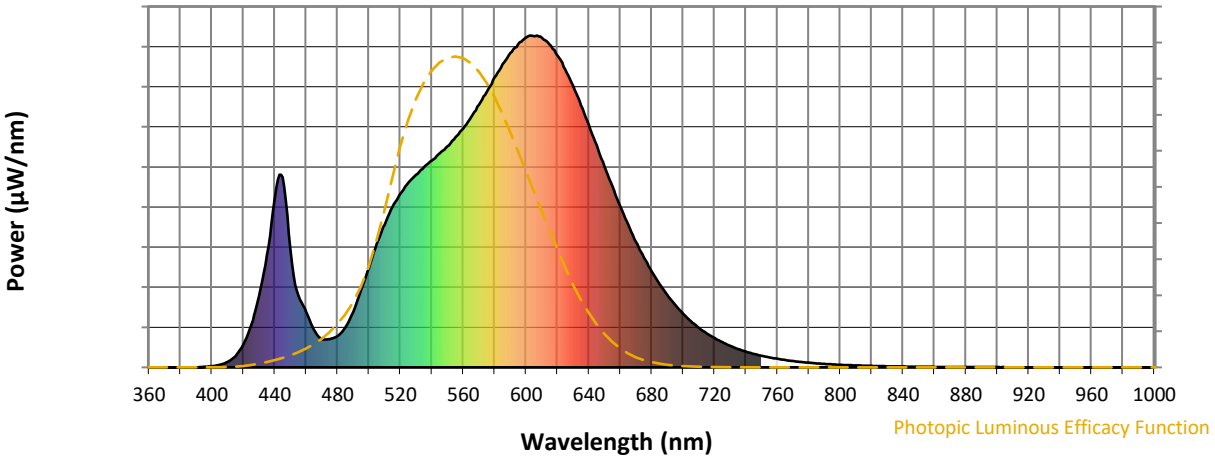


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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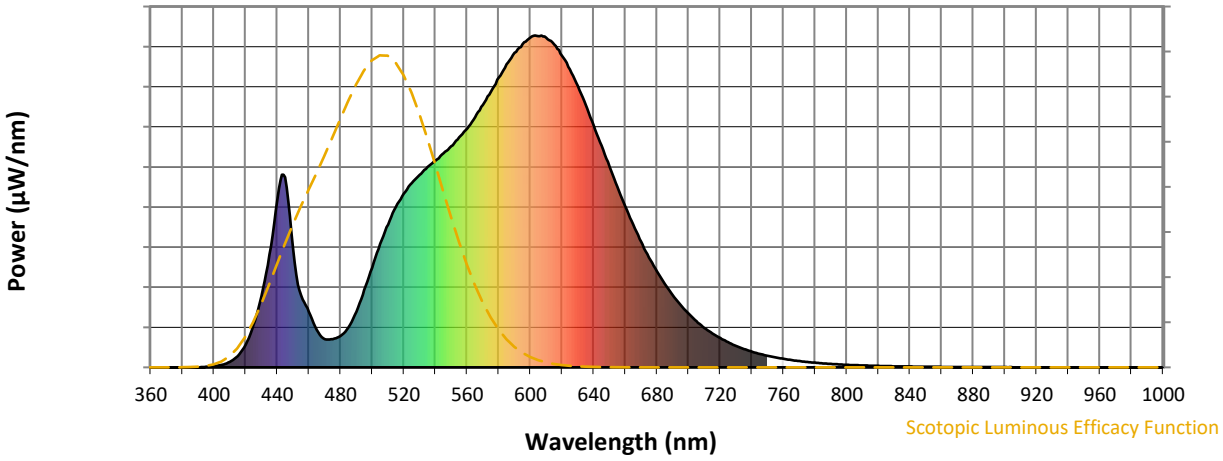
Scotopic Flux vs. Wavelength



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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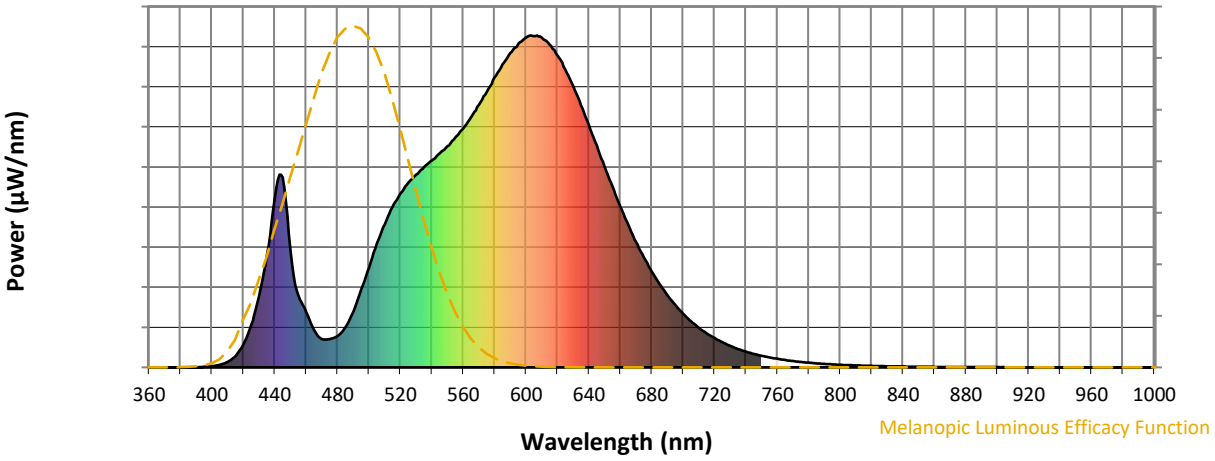
Melanopic Flux vs. Wavelength



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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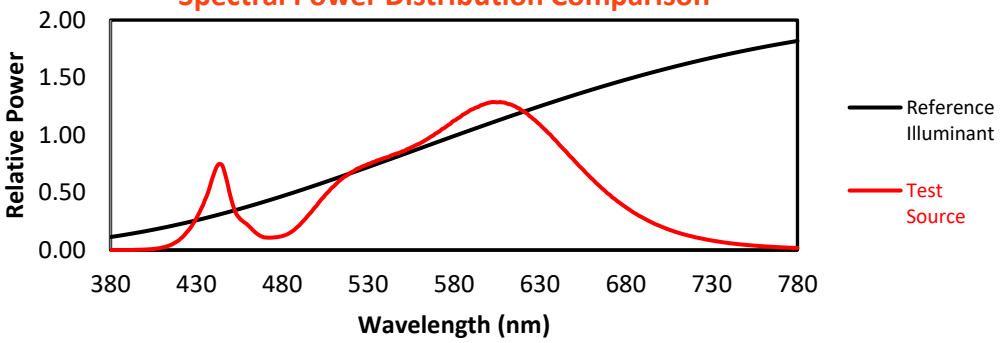
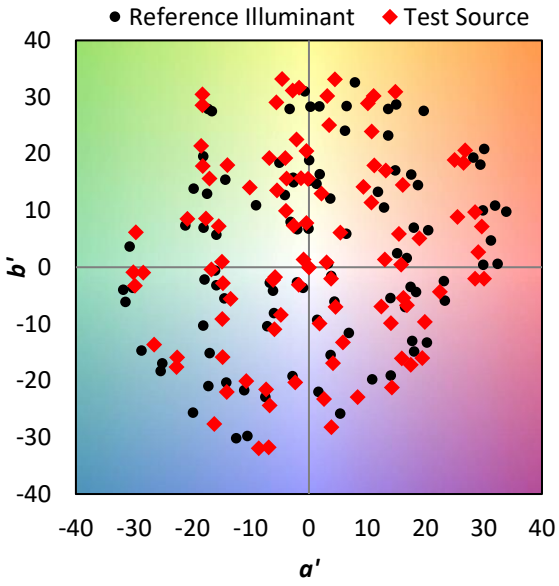
Summary

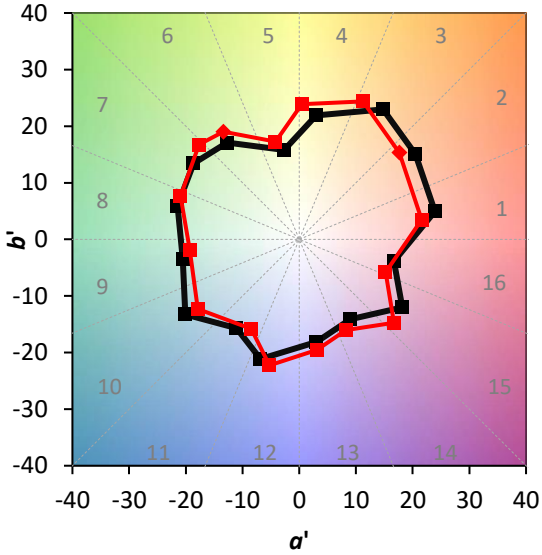
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

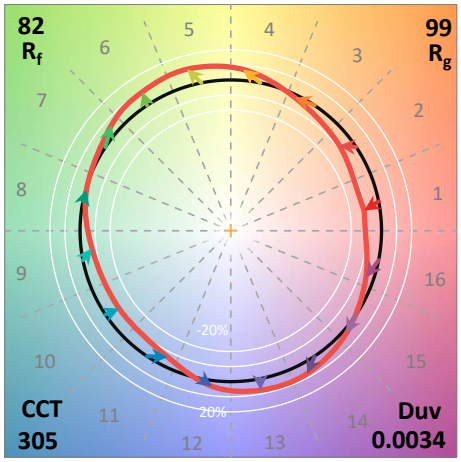
Spectral Power Distribution Comparison

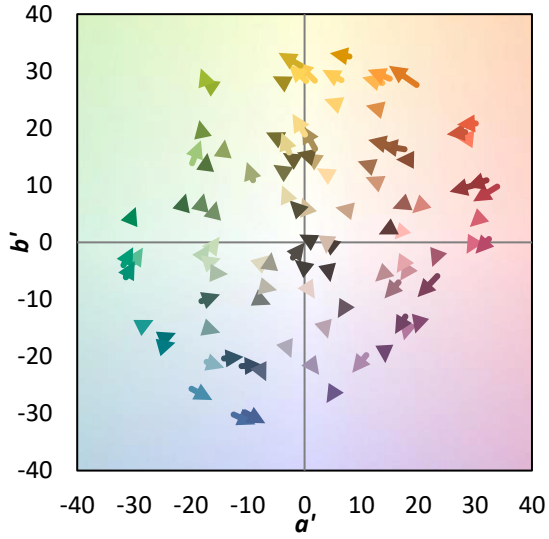


Color Vector Graphics









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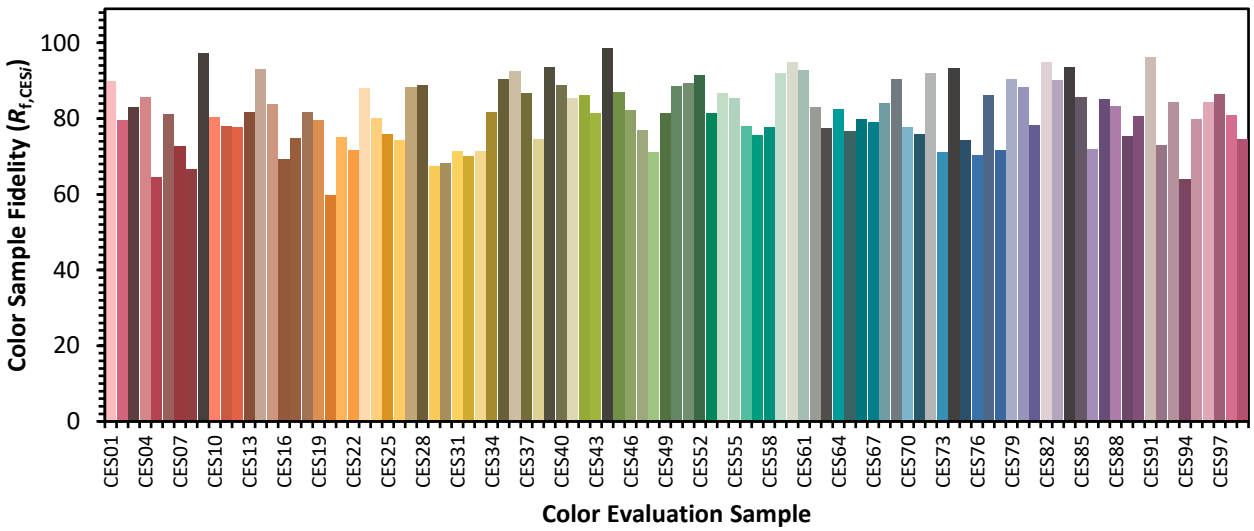
Individual Sample Fidelity Index ($R_{f,i}$)

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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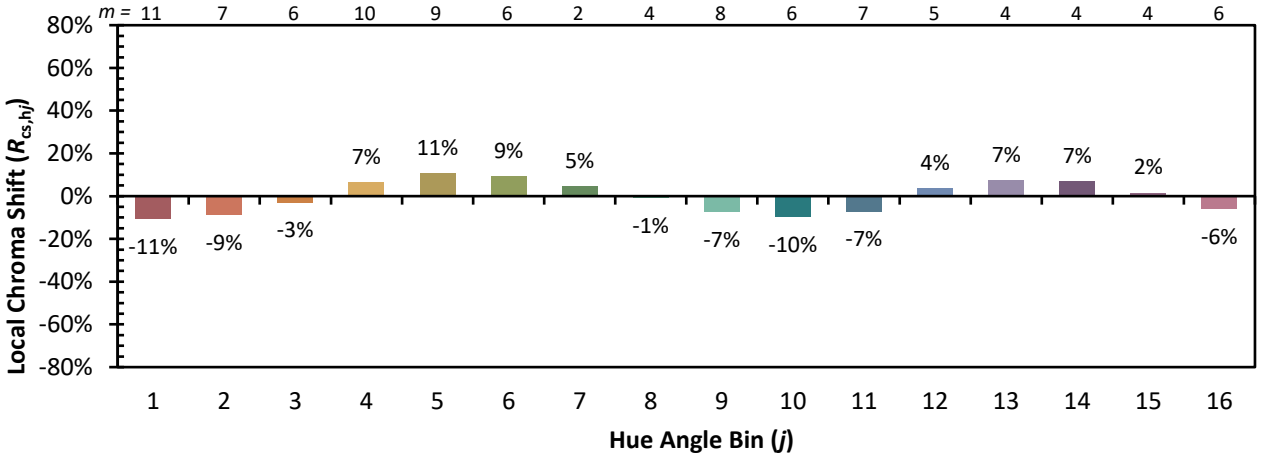
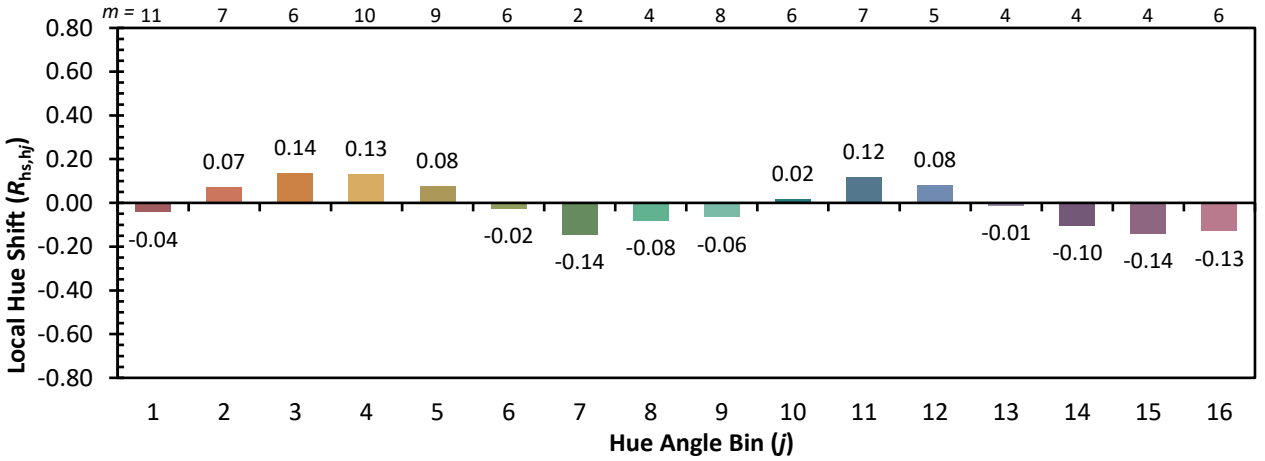
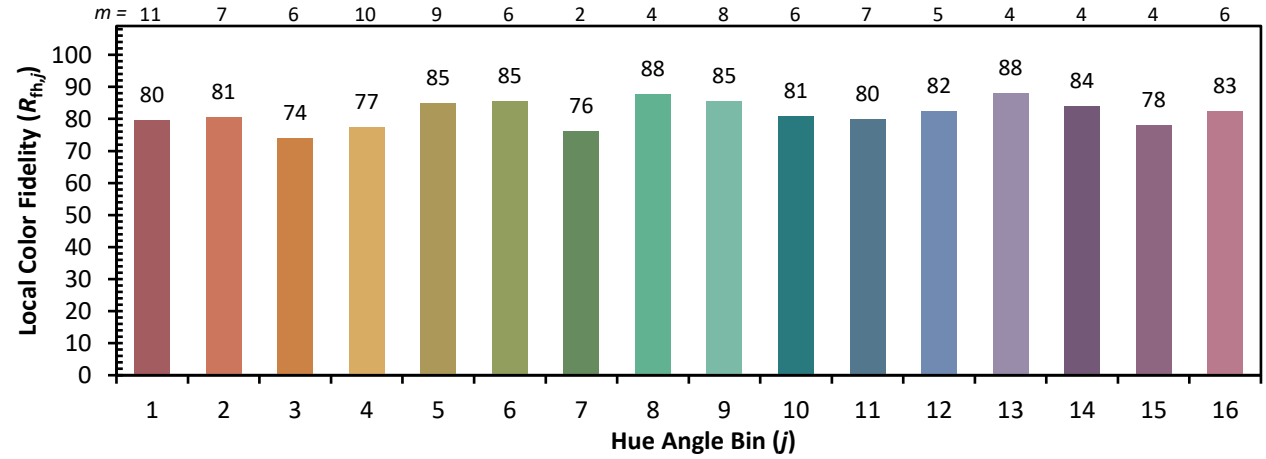
Color Rendition by Hue-Angle Bin







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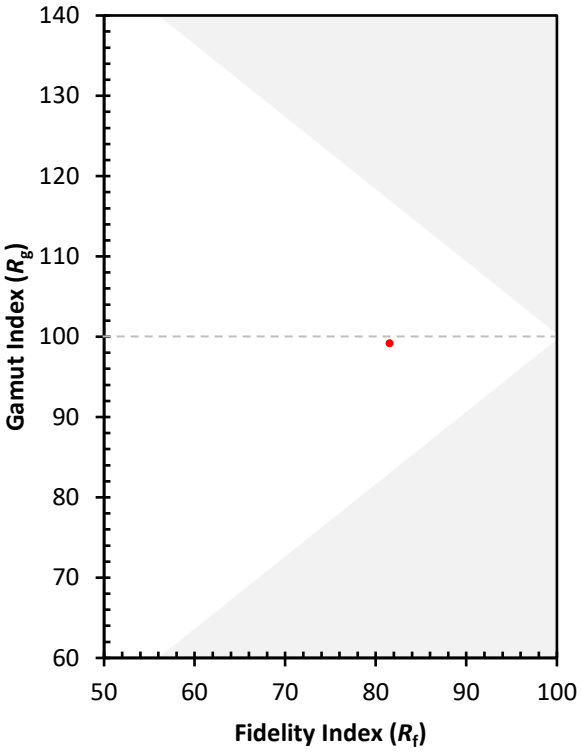
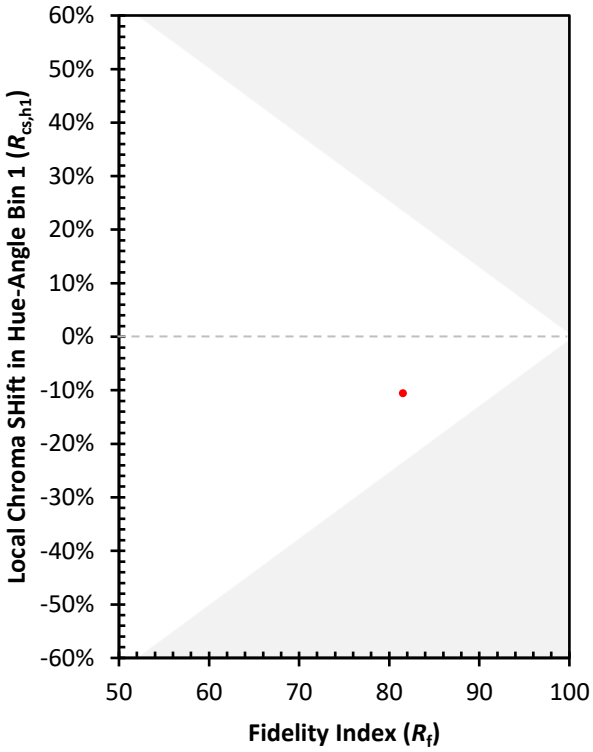
Measure Comparisons





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