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: P641966

Luminaire Tested: GWS-SA6B-830-U-T3R-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:	P641966
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-T3R-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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:	14746 lumens
Efficiency:	N/A
Efficacy:	106.2 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):	138.9
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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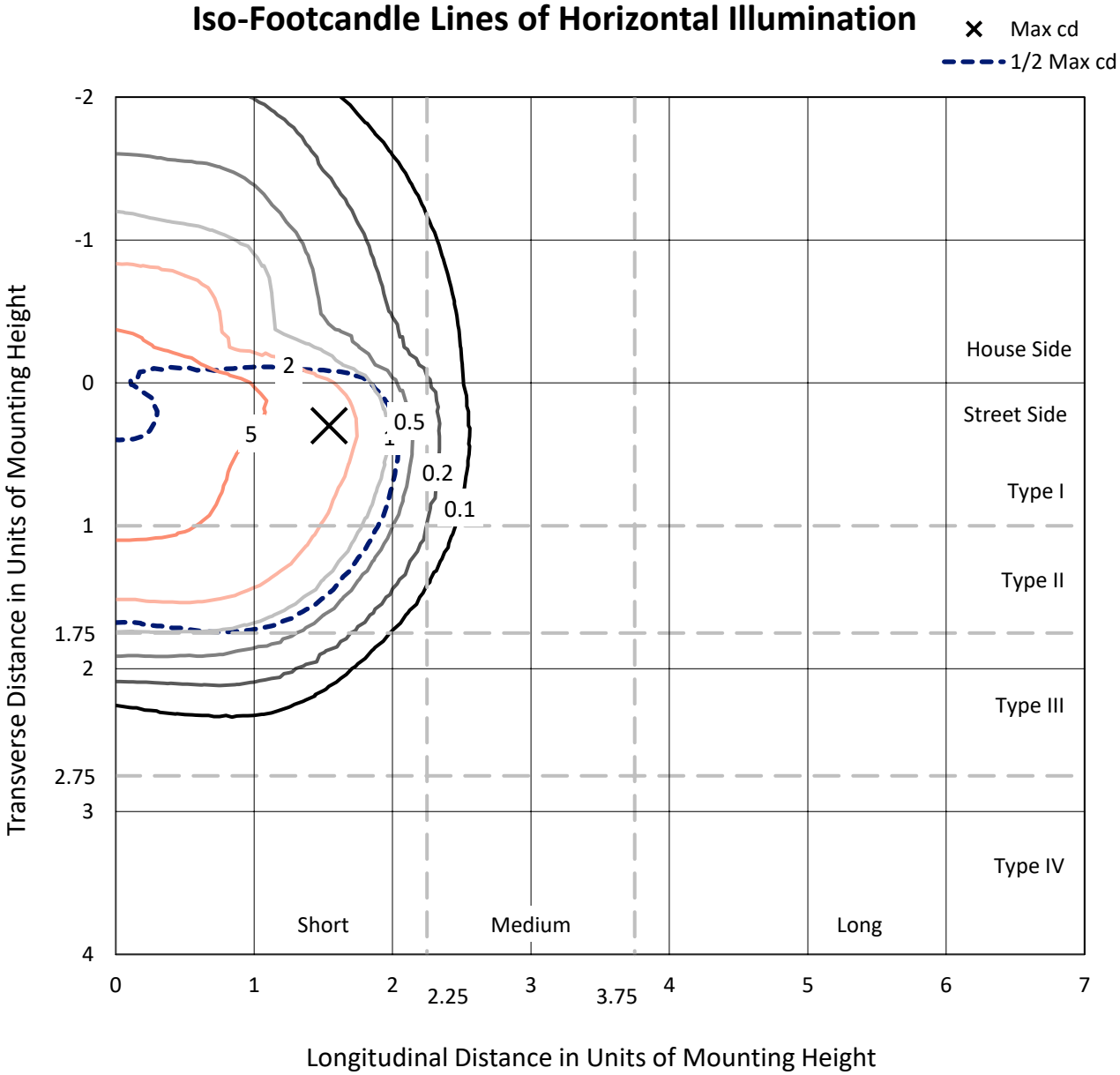
Scaled Data Report

REPORT NUMBER: P641966
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 9.2 fc
Type II - Short - N/A

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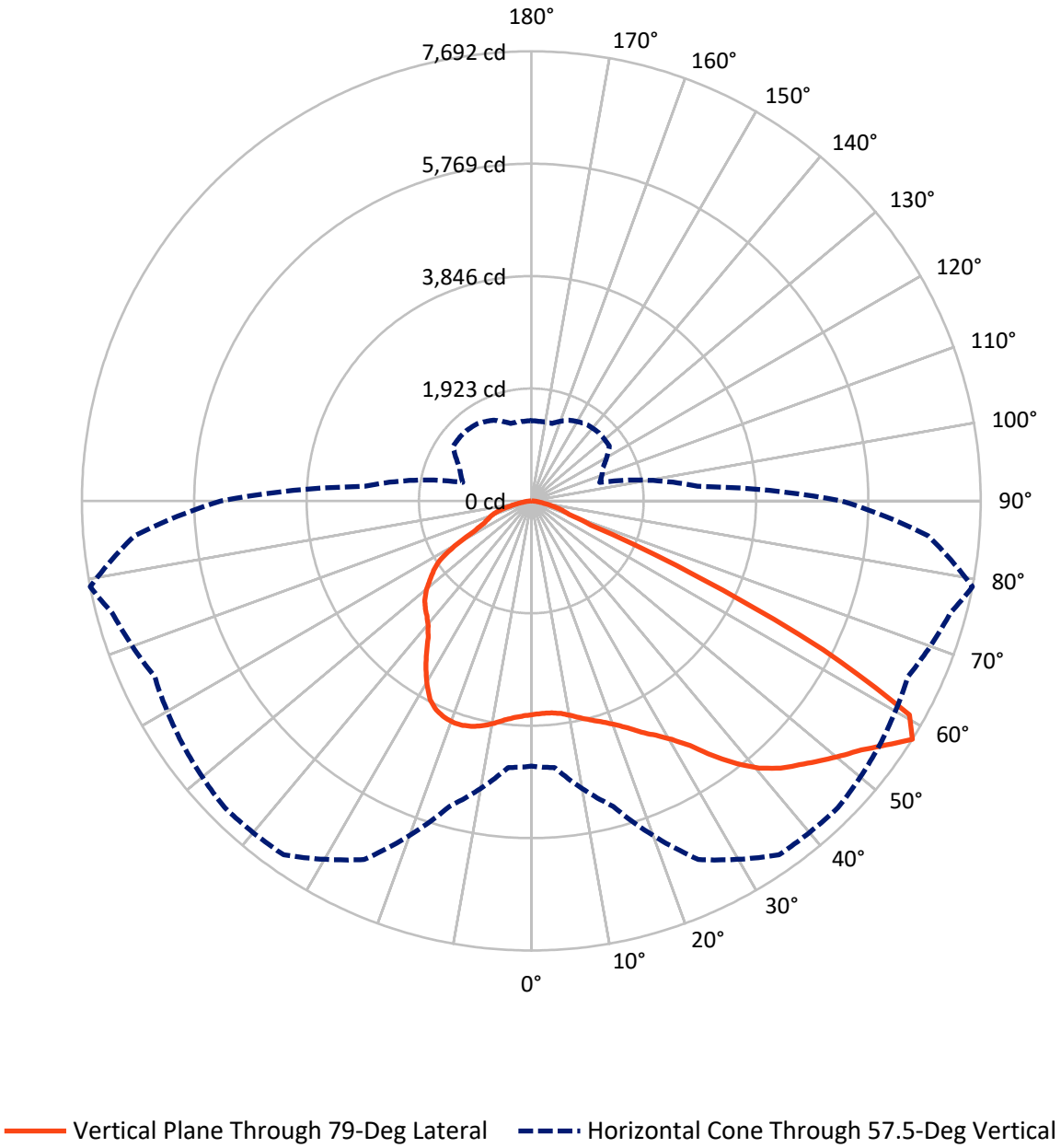
Luminous Intensity Polar Plot



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REPORT NUMBER: P641966
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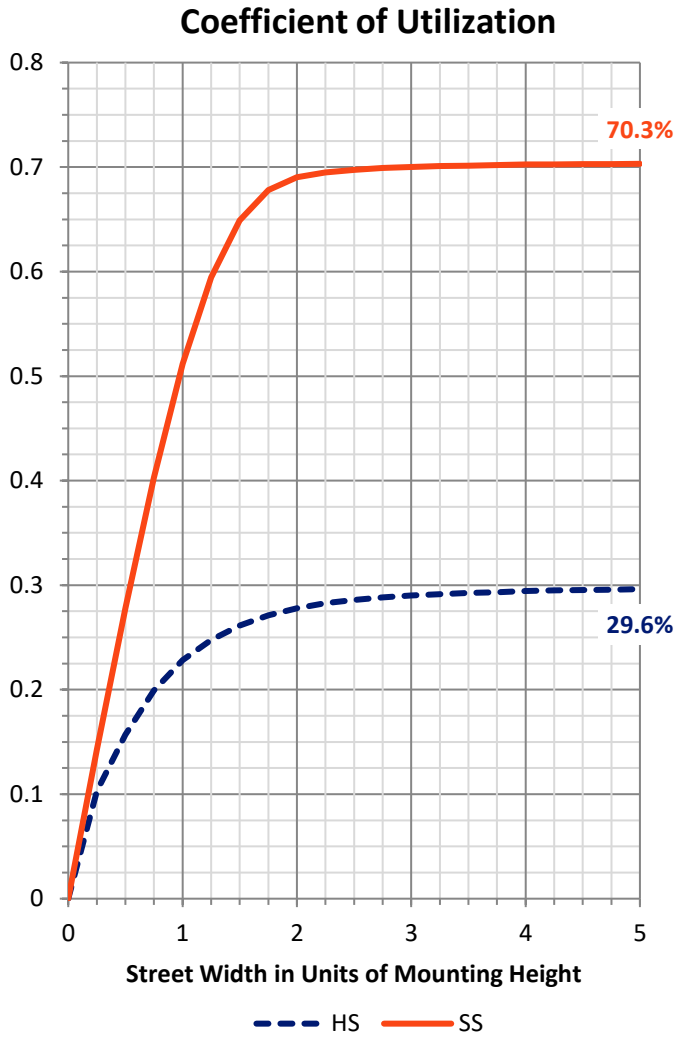
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4383.3	0.0	4383.3
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	10362.7	0.0	10362.7
	% Fixture	70.3	0.0	70.3
Total	Lumens	14746.0	0.0	14746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.4	2.3
10°-20°	940.5	6.4
20°-30°	1594.2	10.8
30°-40°	2440.1	16.5
40°-50°	3253.6	22.1
50°-60°	3757.7	25.5
60°-70°	1952.6	13.2
70°-80°	415.1	2.8
80°-90°	53.8	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°	14746.0	100.0
0°-180°	14746.0	100.0



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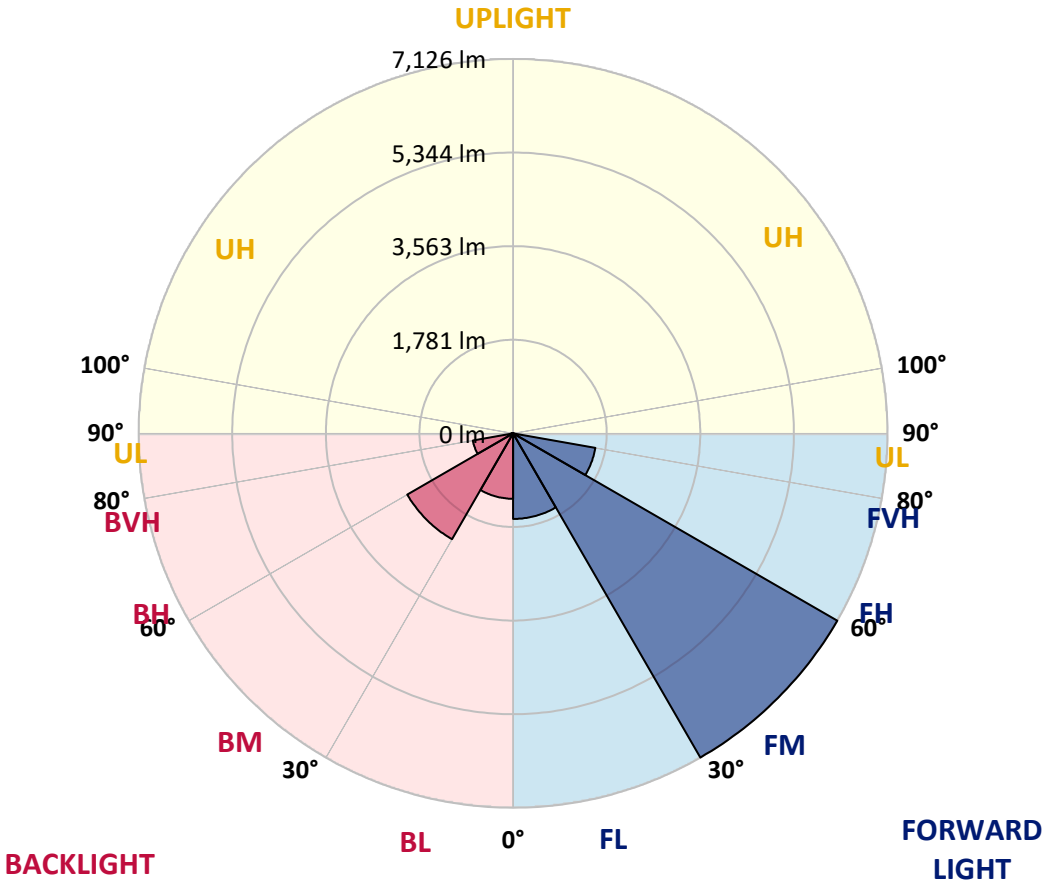
REPORT NUMBER: P641966
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1628.3	11.0			
FM	(30°-60°)	7125.7	48.3			
FH	(60°-80°)	1590.0	10.8			G1/1800
FVH	(80°-90°)	18.7	0.1			G1/100
BL	(0°-30°)	1244.8	8.4	B3/2500		
BM	(30°-60°)	2325.8	15.8	B2/2500		
BH	(60°-80°)	777.7	5.3	B2/1000		G2/1000
BVH	(80°-90°)	35.0	0.2			G1/100
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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REPORT NUMBER: P641966
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	*3654.4*	3654.4
2.5°	3488.0	3480.8	3483.2	3492.8	3529.0	3555.5	3583.3	3608.6	3632.7	*3639.9*	3646.0
5°	3363.8	3350.6	3354.2	3369.9	3412.1	3456.7	3506.1	3566.4	3624.3	*3643.5*	3668.9
7.5°	3275.8	3273.4	3279.4	3303.5	3348.2	3390.4	3454.3	3539.9	3639.9	*3672.5*	3717.1
10°	3158.9	3154.0	3178.2	3227.6	3301.1	3368.7	3444.6	3545.9	3685.7	*3734.0*	3802.7
12.5°	3066.0	3063.6	3088.9	3157.7	3251.7	3359.0	3463.9	3577.2	3747.2	*3813.5*	3897.9
15°	3120.3	3109.4	3110.6	3158.9	3243.3	3369.9	3512.1	3633.9	3808.7	*3893.1*	4001.6
17.5°	3278.2	3258.9	3244.5	3252.9	3301.1	3432.6	3585.7	3709.9	3879.9	*3978.7*	4111.4
20°	3496.5	3485.6	3445.8	3419.3	3430.1	3545.9	3701.4	3817.2	3972.7	*4083.6*	4225.9
22.5°	3789.4	3762.9	3708.7	3666.5	3633.9	3724.3	3867.8	3967.9	4101.7	*4217.4*	4365.7
25°	4152.3	4113.8	4028.2	3961.8	3891.9	3984.8	4112.6	4188.5	4278.9	*4386.2*	4527.3
27.5°	4522.5	4489.9	4394.7	4305.5	4218.7	4276.5	4428.4	4471.8	4462.2	*4540.6*	4661.1
30°	4916.7	4875.7	4785.3	4688.9	4576.7	4614.1	4750.4	4772.1	4669.6	*4734.7*	4816.7
32.5°	5332.7	5292.9	5214.5	5102.4	4975.8	4990.3	5027.7	5048.2	4950.5	*4987.9*	5050.6
35°	5755.9	5718.5	5638.9	5528.0	5435.2	5347.2	5253.1	5335.1	5278.4	*5350.8*	5346.0
37.5°	6142.9	6105.5	6056.1	5970.5	5811.4	5637.7	5420.7	5522.0	5610.0	*5701.6*	5686.0
40°	6404.5	6379.2	6391.3	6378.0	6173.1	5829.4	5502.7	5613.6	5853.6	*6010.3*	6001.8
42.5°	6630.0	6604.7	6674.6	6725.3	6484.1	6006.7	5542.5	5648.6	6009.1	*6253.8*	6241.8
45°	6730.1	6722.8	6838.6	6998.9	6768.7	6194.8	5645.0	5720.9	6127.2	*6440.7*	6394.9
47.5°	6610.7	6636.0	6863.9	7135.2	7005.0	6417.8	5854.8	5874.0	6281.6	*6643.3*	6514.3
50°	6373.2	6428.7	6736.1	7138.8	7177.4	6669.8	6145.3	6097.1	6488.9	*6859.1*	6577.0
52.5°	6027.2	6085.0	6586.6	7111.1	7276.2	6961.6	6532.3	6463.6	6750.6	*7074.9*	6587.8
55°	5232.6	5311.0	6244.2	7048.4	7372.7	7226.8	6968.8	6828.9	7088.2	*7371.5*	6695.1
57.5°	*4539.4*	*4580.4*	*5409.9*	*6769.9*	*7392.0*	*7422.1*	*7279.9*	*7113.5*	*7423.3*	*7692.2*	*6815.7*
60°	3331.3	3340.9	4087.2	5601.6	6800.0	7308.8	7254.5	7007.4	7264.2	*7435.4*	6263.5
62.5°	1882.1	1883.3	2478.9	3738.8	5079.5	5957.2	5991.0	5772.8	5557.0	*5607.6*	4359.7
65°	706.5	772.8	1132.1	1837.4	2928.6	3517.0	3656.8	3707.4	3348.2	*3125.1*	2337.8
67.5°	472.6	488.3	660.7	945.2	1303.3	1504.7	1683.1	1687.9	1234.6	*1100.8*	921.1
70°	360.5	376.2	519.6	676.4	660.7	610.1	659.5	641.4	663.1	*681.2*	700.5
72.5°	268.9	284.5	402.7	477.4	396.7	390.6	442.5	491.9	537.7	*557.0*	587.2
75°	178.4	190.5	271.3	255.6	219.4	259.2	323.1	372.6	399.1	*422.0*	444.9
77.5°	113.3	121.8	144.7	117.0	121.8	151.9	188.1	232.7	258.0	*280.9*	293.0
80°	51.8	50.6	49.4	55.5	68.7	89.2	113.3	139.9	159.1	*168.8*	176.0
82.5°	20.5	22.9	25.3	30.1	37.4	48.2	63.9	82.0	97.7	*100.1*	106.1
85°	8.4	9.6	10.9	13.3	16.9	21.7	26.5	37.4	47.0	*50.6*	54.3
87.5°	0.0	0.0	0.0	0.0	1.2	2.4	3.6	6.0	10.9	*12.1*	13.3
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: P641966
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4
2.5°	3678.5	3662.8	3689.4	3707.4	3724.3	3706.2	3700.2	3684.5	3682.1	3682.1	3690.6
5°	3712.3	3701.4	3729.2	3740.0	3738.8	3699.0	3674.9	3643.5	3627.9	3627.9	3630.3
7.5°	3772.6	3766.5	3782.2	3765.3	3726.7	3646.0	3566.4	3500.1	3455.5	3432.6	3439.8
10°	3872.6	3865.4	3852.1	3789.4	3678.5	3510.9	3348.2	3227.6	3155.3	3114.3	3116.7
12.5°	3970.3	3958.2	3911.2	3772.6	3544.7	3278.2	3064.8	2929.8	2850.2	2802.0	2791.1
15°	4077.6	4046.2	3945.0	3685.7	3326.5	2993.7	2770.6	2624.8	2539.2	2510.2	2509.0
17.5°	4180.1	4124.6	3941.4	3531.4	3064.8	2695.9	2471.6	2381.2	2366.7	2380.0	2383.6
20°	4283.8	4194.5	3901.6	3318.0	2753.8	2399.3	2283.5	2320.9	2375.2	2411.3	2419.8
22.5°	4391.1	4252.4	3811.1	3043.1	2425.8	2199.2	2247.4	2329.4	2396.9	2445.1	2449.9
25°	4511.6	4306.7	3676.1	2706.7	2163.0	2143.7	2238.9	2325.7	2398.1	2453.5	2463.2
27.5°	4580.4	4307.9	3486.8	2360.7	2042.4	2122.0	2218.4	2300.4	2372.8	2433.1	2443.9
30°	4647.9	4275.3	3186.6	2079.8	2007.4	2096.7	2183.5	2259.4	2328.2	2387.2	2400.5
32.5°	4743.1	4245.2	2840.6	1918.2	1987.0	2072.6	2143.7	2211.2	2264.3	2290.8	2298.0
35°	4861.3	4206.6	2472.8	1848.3	1973.7	2053.3	2116.0	2152.1	2083.4	2068.9	2084.6
37.5°	5026.5	4170.4	2106.3	1818.2	1965.2	2046.0	2101.5	2008.7	1924.3	1890.5	1902.6
40°	5204.9	4149.9	1857.9	1794.0	1968.9	2053.3	2041.2	1903.8	1782.0	1710.9	1708.4
42.5°	5356.8	4118.6	1698.8	1778.4	1978.5	2081.0	1959.2	1810.9	1630.1	1587.9	1589.1
45°	5459.3	4039.0	1614.4	1761.5	1987.0	2087.0	1920.6	1683.1	1554.1	1527.6	1526.4
47.5°	5501.5	3894.3	1560.1	1735.0	1985.7	2037.6	1842.3	1630.1	1501.1	1493.8	1498.7
50°	5473.8	3656.8	1504.7	1683.1	1956.8	1985.7	1751.8	1583.1	1464.9	1504.7	1533.6
52.5°	5371.3	3349.4	1438.4	1612.0	1905.0	1926.7	1706.0	1554.1	1438.4	1491.4	1514.3
55°	5344.8	3099.8	1354.0	1519.2	1827.8	1821.8	1657.8	1539.6	1420.3	1399.8	1403.4
57.5°	*5309.8*	*2856.2*	*1214.1*	*1352.8*	*1632.5*	*1642.1*	*1612.0*	*1522.8*	*1373.3*	*1367.2*	*1373.3*
60°	4612.9	2189.5	1082.7	1167.1	1340.7	1392.6	1560.1	1491.4	1297.3	1272.0	1270.8
62.5°	3013.0	1326.2	963.3	1017.6	1092.3	1152.6	1422.7	1401.0	1214.1	1198.4	1209.3
65°	1620.4	945.2	876.5	909.1	950.1	995.9	1179.1	1247.9	1097.2	1041.7	1042.9
67.5°	828.3	804.2	811.4	834.3	865.7	888.6	951.3	1011.6	935.6	888.6	887.4
70°	708.9	728.2	739.1	752.3	772.8	769.2	775.2	786.1	780.1	757.2	756.0
72.5°	604.0	634.2	636.6	639.0	646.2	629.4	618.5	600.4	601.6	605.2	606.5
75°	459.4	488.3	495.5	491.9	499.1	477.4	463.0	444.9	423.2	419.6	422.0
77.5°	299.0	321.9	332.8	330.4	334.0	317.1	309.9	290.6	265.2	255.6	255.6
80°	180.9	194.1	202.6	205.0	208.6	196.5	184.5	167.6	156.7	145.9	145.9
82.5°	109.7	118.2	124.2	124.2	127.8	114.5	104.9	92.8	88.0	78.4	78.4
85°	55.5	61.5	63.9	62.7	60.3	49.4	45.8	39.8	37.4	32.6	32.6
87.5°	13.3	16.9	16.9	12.1	12.1	6.0	3.6	1.2	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

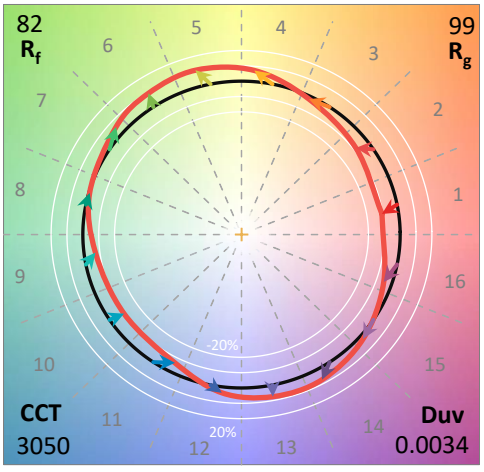
Test Information

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

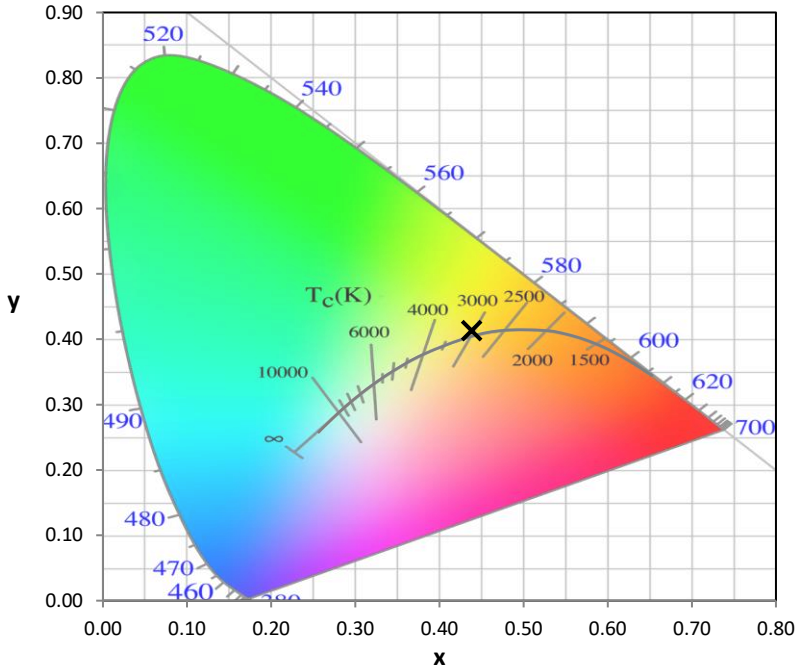
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

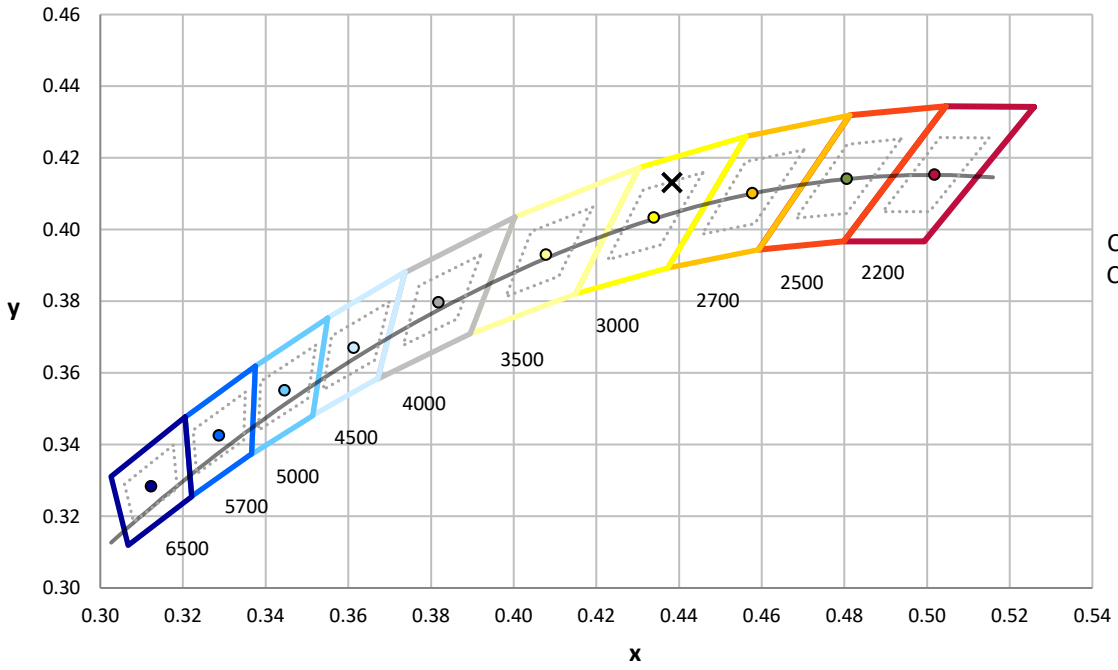
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

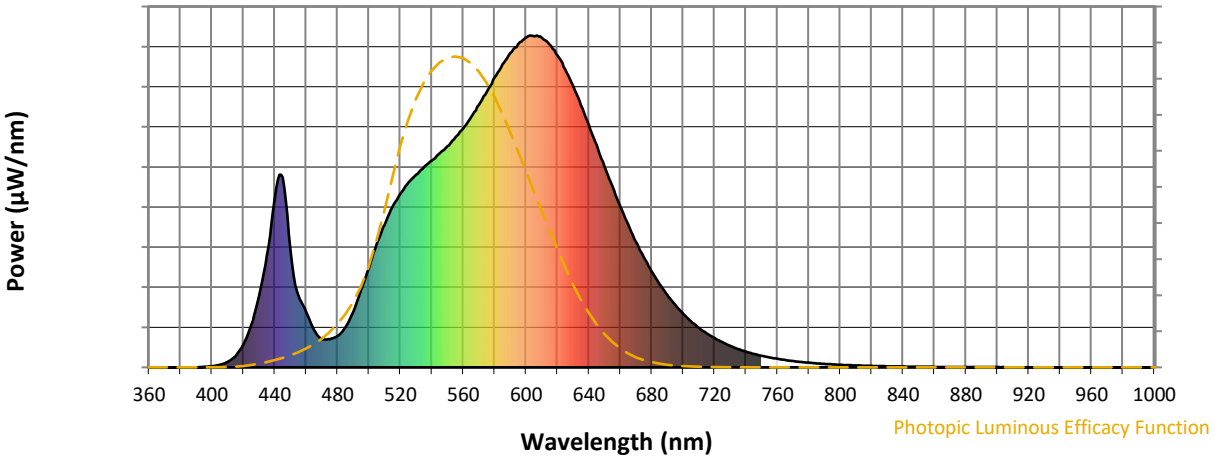


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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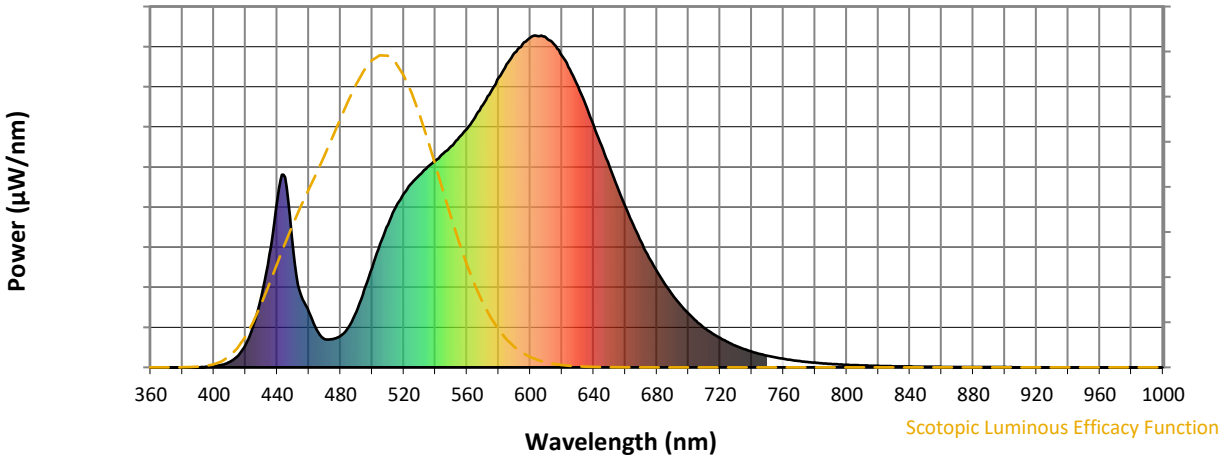
Scotopic Flux vs. Wavelength



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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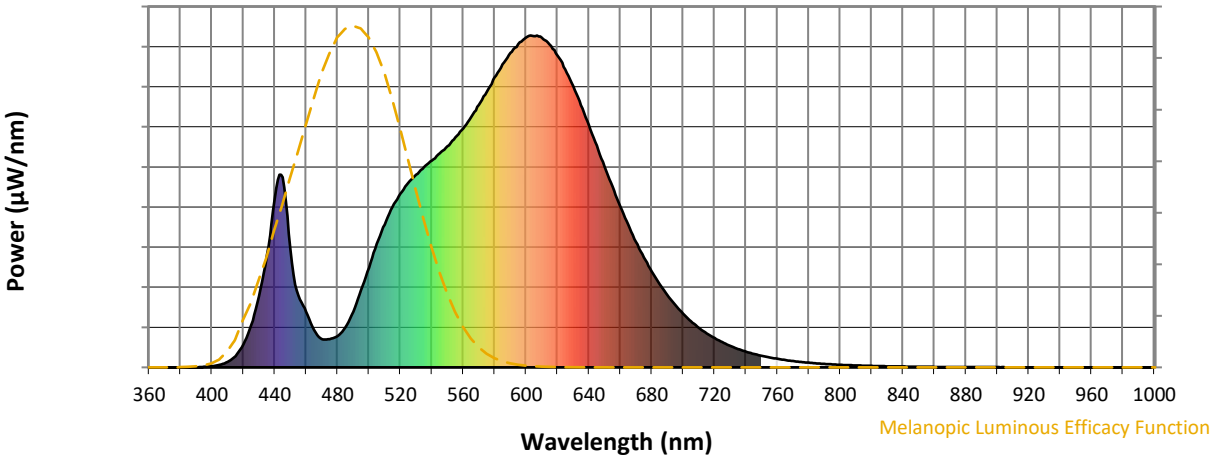
Melanopic Flux vs. Wavelength



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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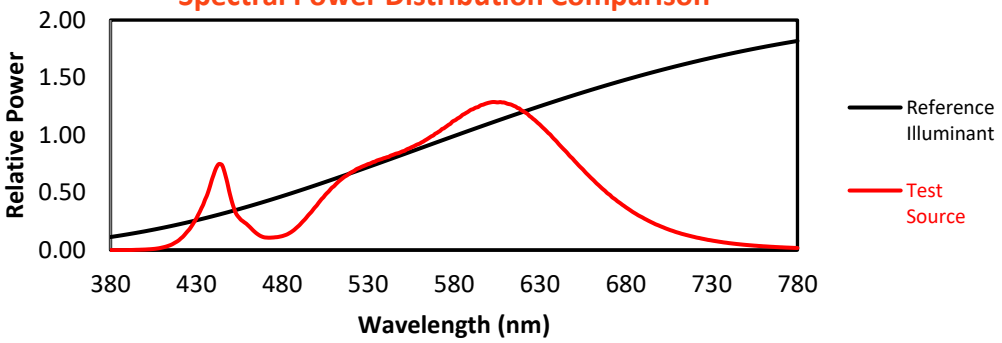
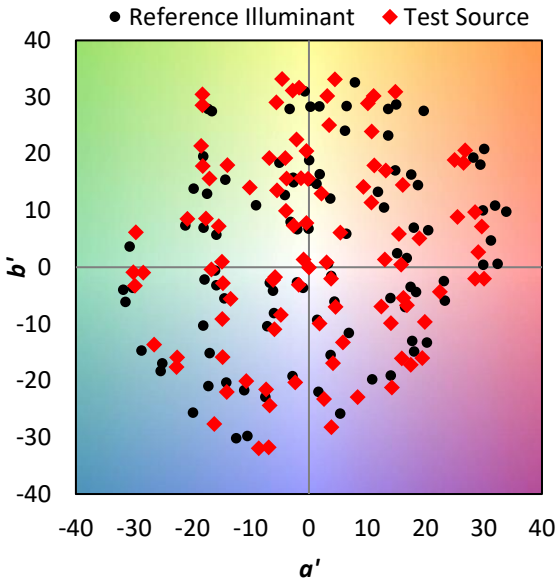
Summary

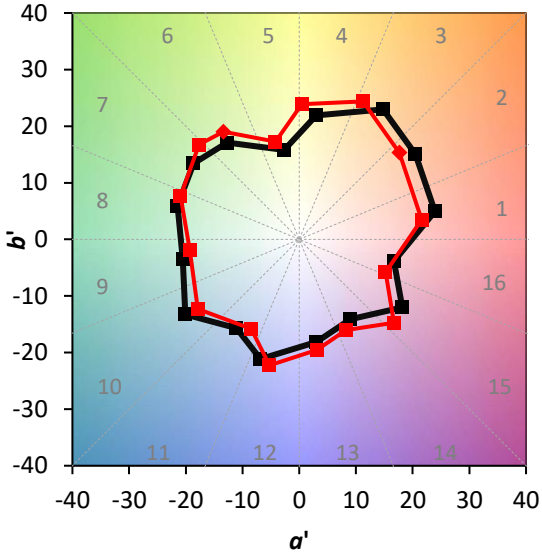
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

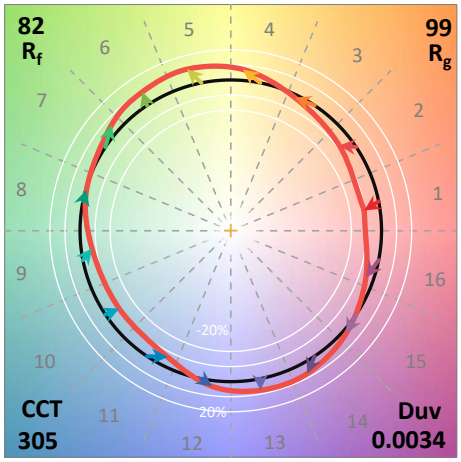
Spectral Power Distribution Comparison

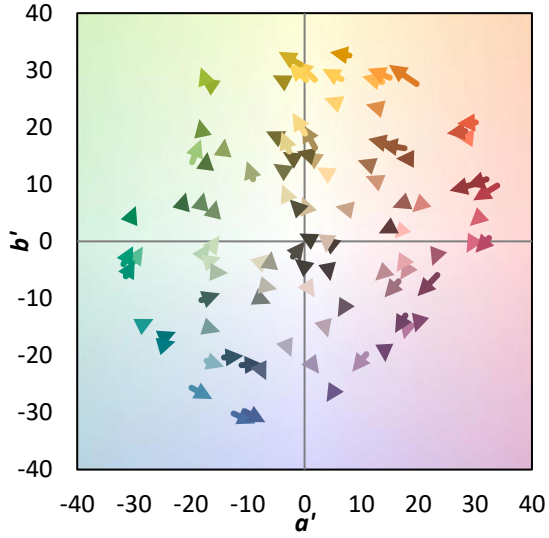


Color Vector Graphics









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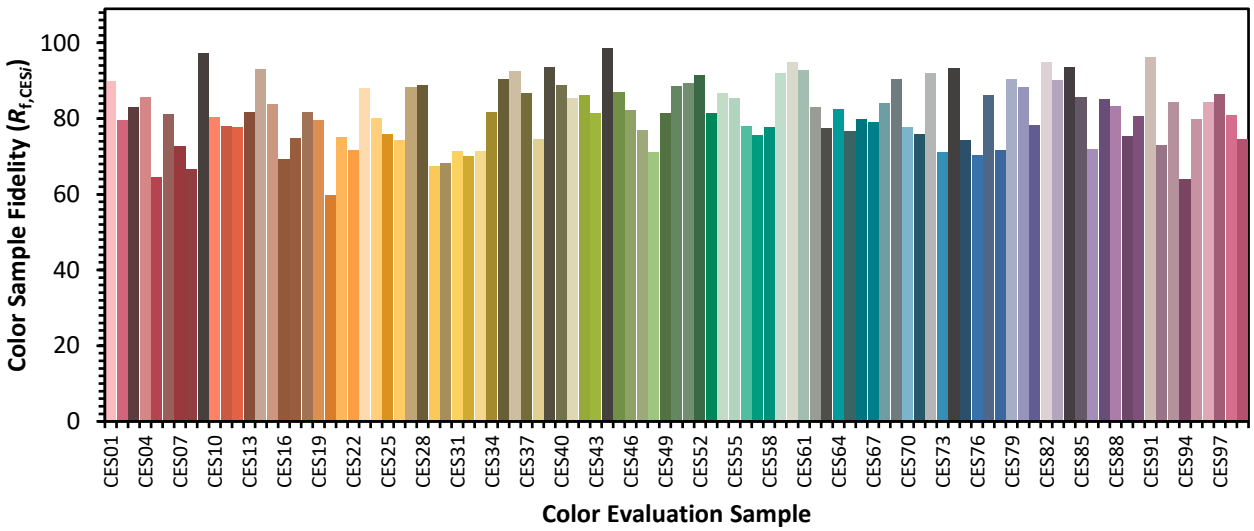
Individual Sample Fidelity Index ($R_{f,i}$)

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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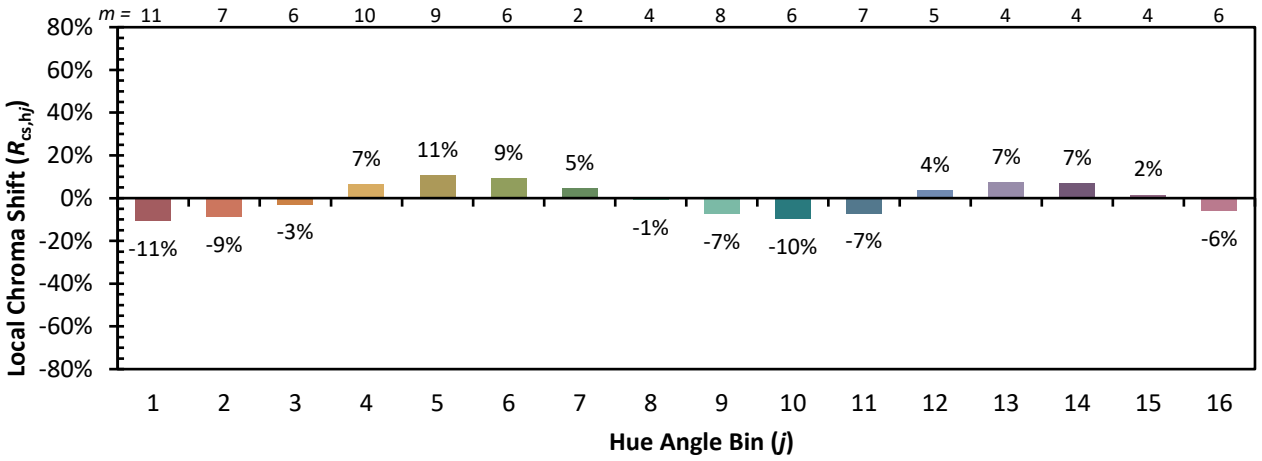
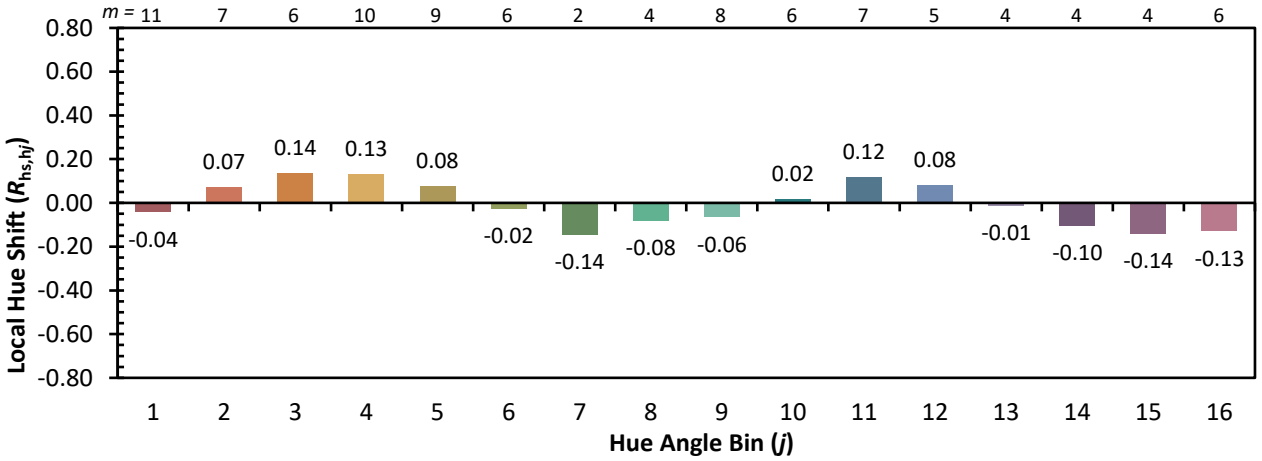
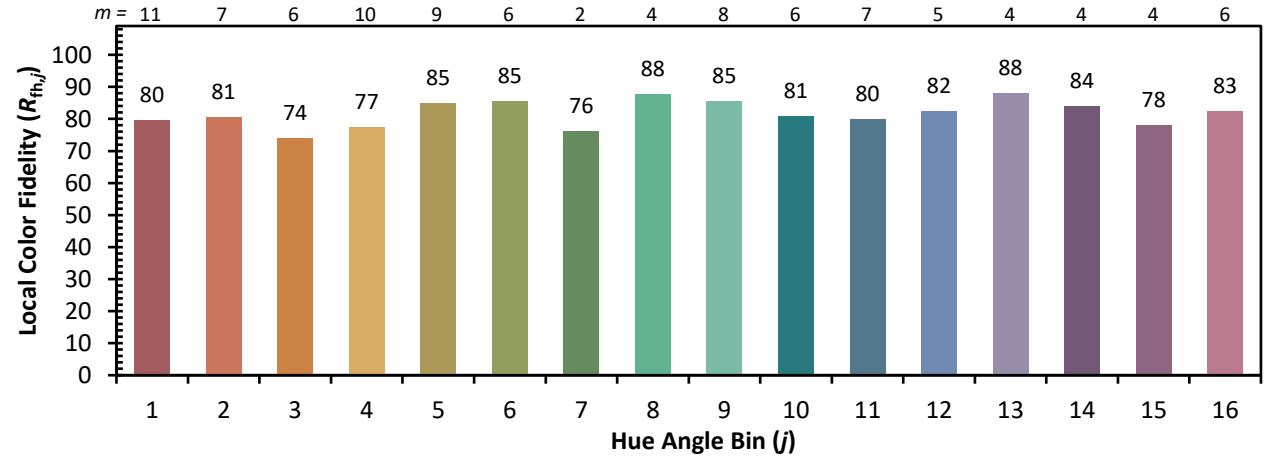
Color Rendition by Hue-Angle Bin







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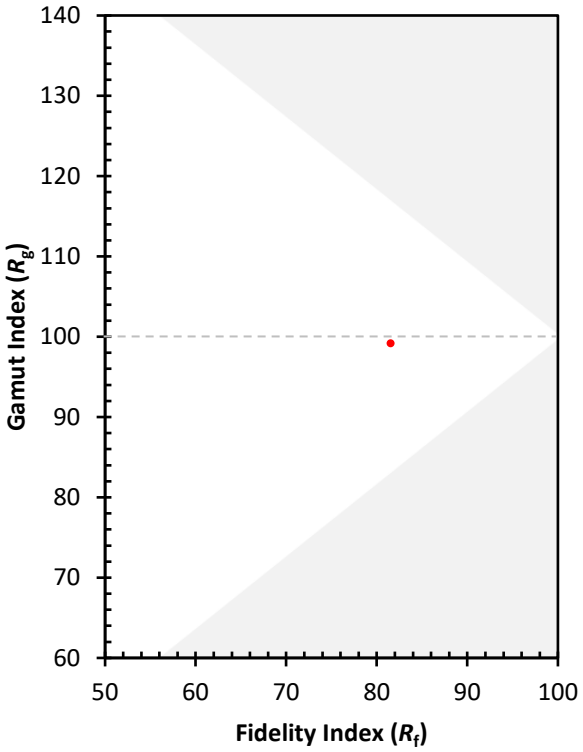
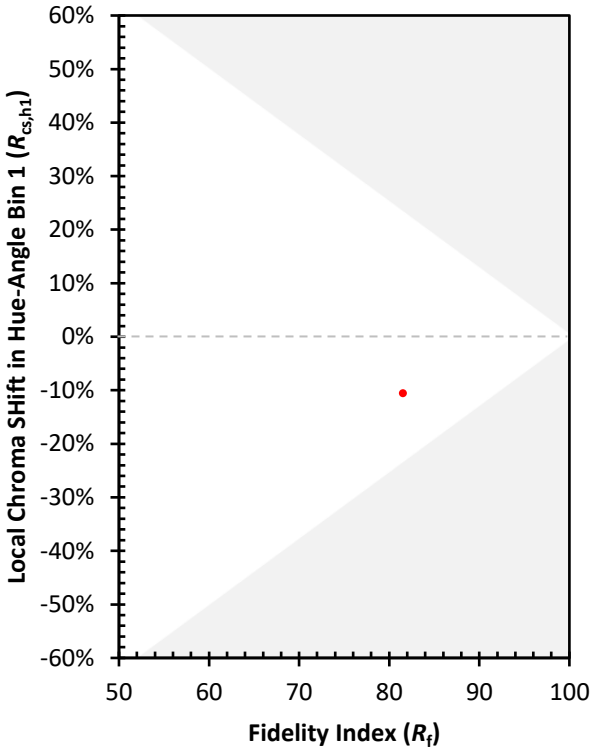
Measure Comparisons





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