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: P642952

Luminaire Tested: GWS-SA6D-830-U-T3-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:	P642952
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-T3-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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:	24287.7 lumens
Efficiency:	N/A
Efficacy:	98.9 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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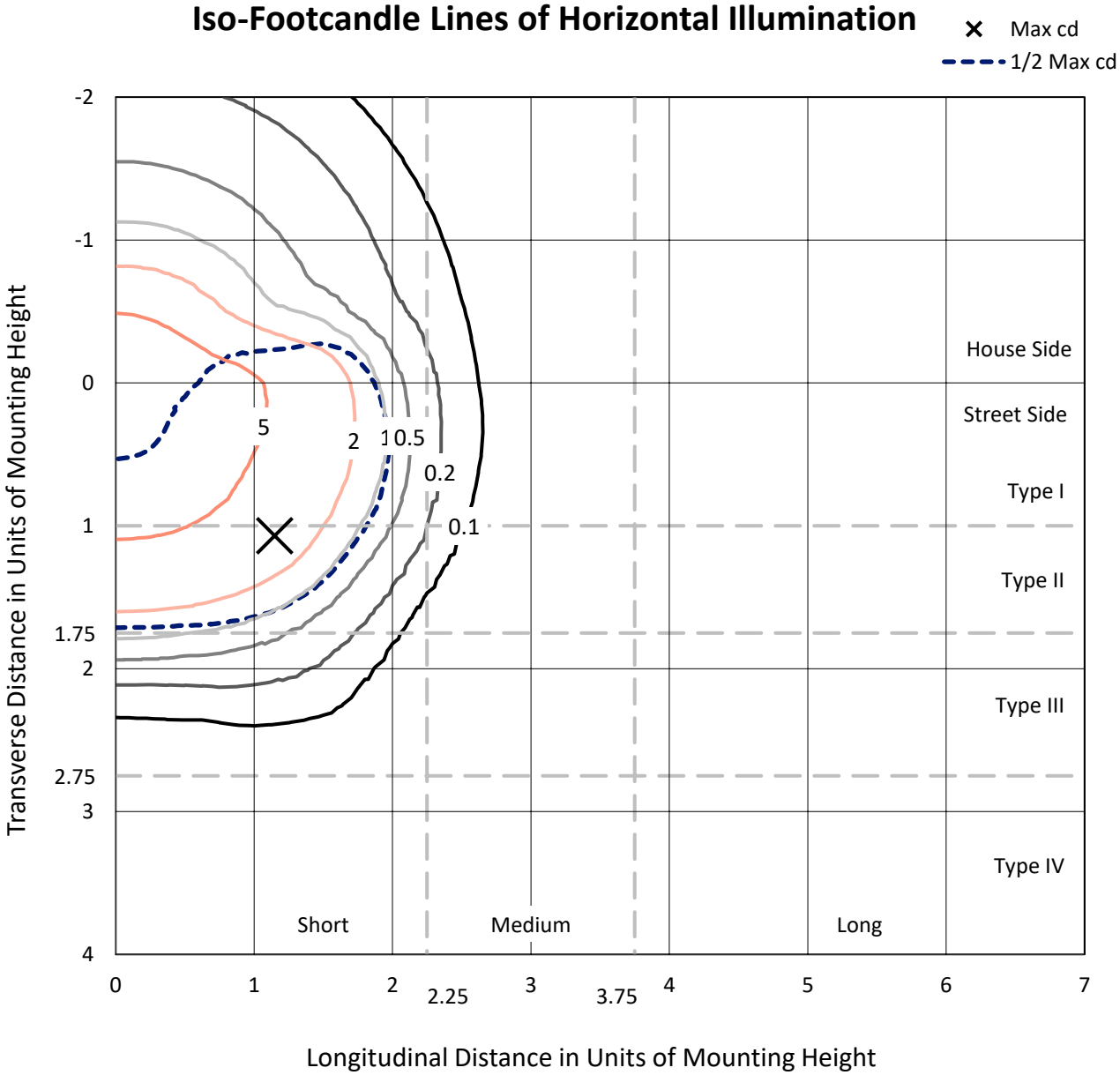
REPORT NUMBER: P642952
CATALOG NUMBER: GWS-SA6D-830-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type II - Short - N/A

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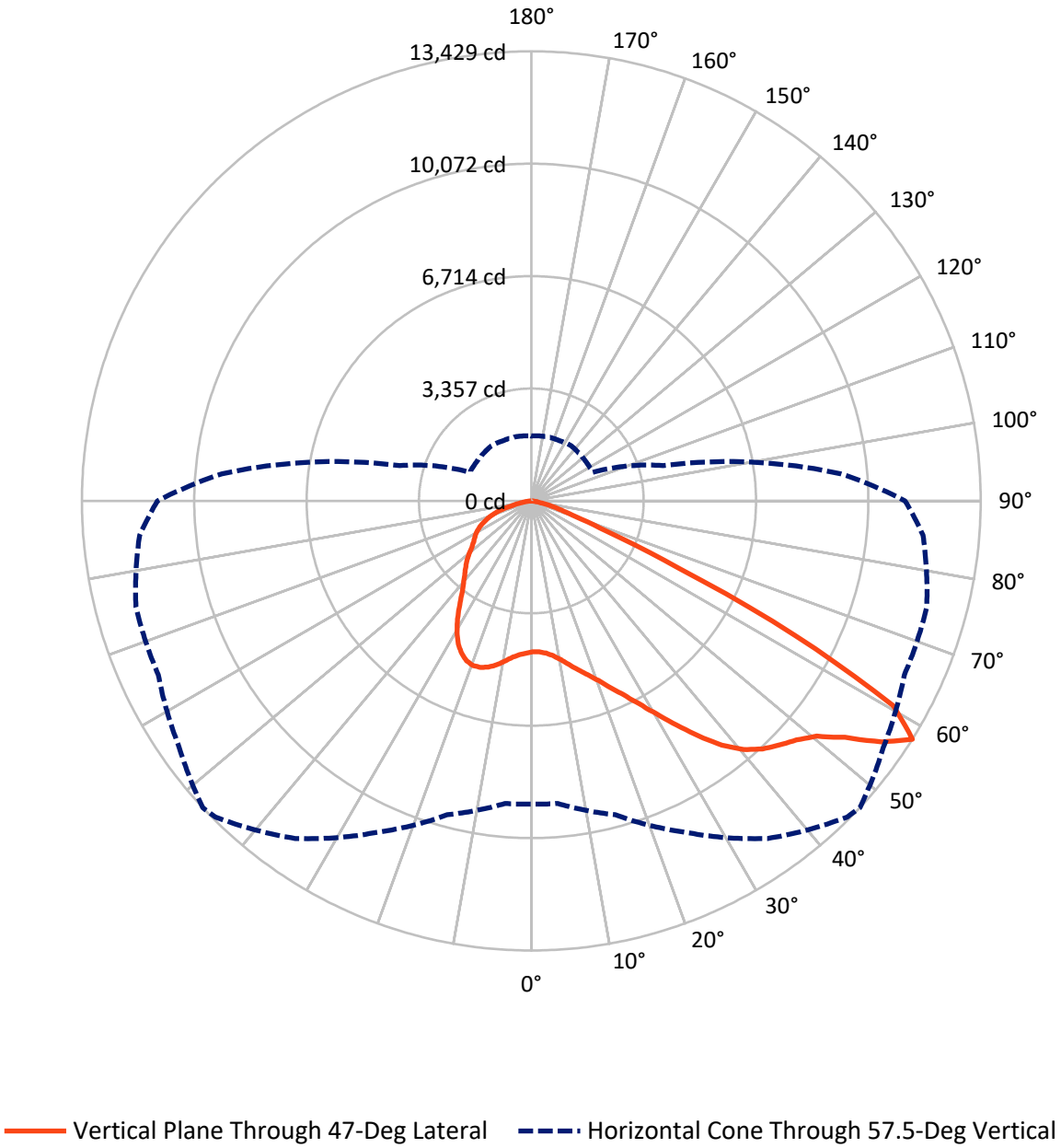
Luminous Intensity Polar Plot



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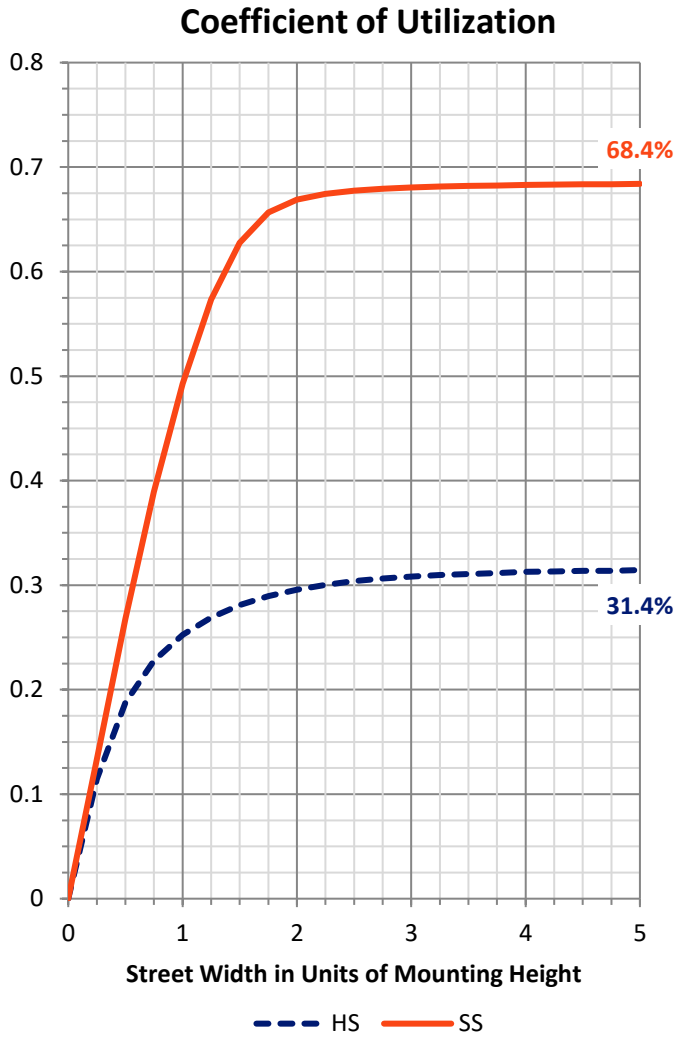
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7687.0	0.0	7687.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	16600.7	0.0	16600.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	24287.7	0.0	24287.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.3	1.8
10°-20°	1461.2	6.0
20°-30°	2631.0	10.8
30°-40°	3973.8	16.4
40°-50°	5351.3	22.0
50°-60°	6430.3	26.5
60°-70°	3131.7	12.9
70°-80°	771.5	3.2
80°-90°	92.7	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°	24287.7	100.0
0°-180°	24287.7	100.0



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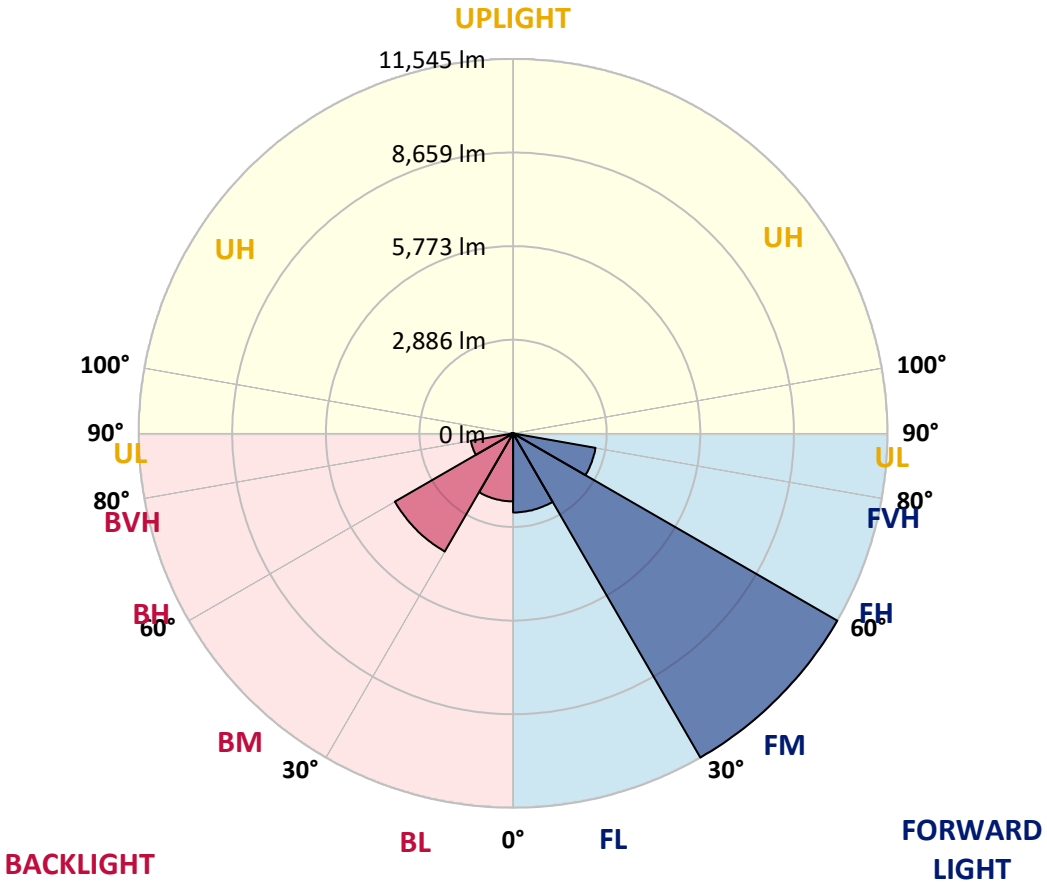
REPORT NUMBER: P642952
CATALOG NUMBER: GWS-SA6D-830-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2439.6	10.0			
FM	(30°-60°)	11545.2	47.5			
FH	(60°-80°)	2581.1	10.6			G2/5000
FVH	(80°-90°)	34.8	0.1			G1/100
BL	(0°-30°)	2096.9	8.6	B3/2500		
BM	(30°-60°)	4210.1	17.3	B3/5000		
BH	(60°-80°)	1322.1	5.4	B3/2500		G3/2500
BVH	(80°-90°)	57.9	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-G3
Type II Short



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REPORT NUMBER: P642952
CATALOG NUMBER: GWS-SA6D-830-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4504.2	4504.2	4504.2	4504.2	4504.2	4504.2	*4504.2*	4504.2	4504.2	4504.2	4504.2
2.5°	4496.0	4494.0	4494.0	4506.2	4506.2	4510.3	*4516.4*	4522.5	4524.6	4514.4	4491.9
5°	4545.0	4545.0	4545.0	4555.2	4555.2	4559.3	*4567.4*	4569.5	4567.4	4551.1	4528.7
7.5°	4622.5	4622.5	4624.5	4636.8	4647.0	4653.1	*4667.4*	4665.3	4659.2	4632.7	4604.1
10°	4749.0	4755.1	4761.2	4775.5	4795.9	4810.2	*4820.4*	4820.4	4812.2	4771.4	4734.7
12.5°	4928.5	4936.7	4942.8	4955.0	4971.3	4995.8	*5018.3*	5018.3	5008.1	4957.1	4902.0
15°	5138.6	5146.8	5144.7	5148.8	5179.4	5214.1	*5232.4*	5244.7	5248.8	5177.4	5091.7
17.5°	5379.3	5387.5	5379.3	5367.1	5371.2	5426.2	*5458.9*	5503.8	5530.3	5434.4	5297.7
20°	5597.6	5589.4	5589.4	5597.6	5609.8	5677.2	*5726.1*	5799.6	5832.2	5715.9	5503.8
22.5°	5828.1	5846.5	5838.3	5838.3	5887.3	5999.5	*6058.6*	6154.5	6189.2	6038.2	5752.6
25°	6125.9	6142.3	6138.2	6142.3	6199.4	6358.5	*6417.7*	6595.1	6629.8	6413.6	6028.0
27.5°	6452.3	6478.9	6491.1	6487.0	6578.8	6786.9	*6860.3*	7107.2	7170.4	6833.8	6321.8
30°	6876.6	6905.2	6915.4	6911.3	7019.4	7303.0	*7386.6*	7668.1	7757.9	7331.5	6695.1
32.5°	7368.3	7396.8	7427.4	7439.7	7578.4	7868.1	*7988.4*	8280.1	8408.6	7906.8	7145.9
35°	7855.8	7880.3	7939.4	8035.3	8225.0	8520.8	*8626.9*	8914.5	9039.0	8504.5	7690.6
37.5°	8394.4	8410.7	8461.7	8594.3	8867.6	9149.1	*9255.2*	9530.6	9544.9	9081.8	8306.6
40°	8983.9	8983.9	8973.7	9104.3	9389.8	9673.4	*9765.2*	9924.3	9840.7	9526.5	8906.4
42.5°	9483.7	9475.5	9483.7	9606.1	9818.2	10048.7	*10128.3*	10097.7	9991.6	9867.2	9449.0
45°	9934.5	9940.6	10014.1	10107.9	10218.1	10354.7	*10401.7*	10228.3	10132.4	10140.5	9883.5
47.5°	10240.5	10246.6	10418.0	10575.1	10642.4	10685.2	*10664.8*	10424.1	10375.1	10466.9	10218.1
50°	10281.3	10313.9	10609.7	10932.0	11099.3	11105.4	*11048.3*	10754.6	10740.3	10844.3	10397.6
52.5°	10289.5	10322.1	10691.3	11272.7	11707.2	11799.0	*11733.7*	11427.7	11278.8	11174.8	10617.9
55°	10258.9	10295.6	10703.6	11501.2	12333.5	12700.7	*12706.8*	12274.3	11799.0	11729.7	11246.2
57.5°	*9057.3*	*9071.6*	*9704.0*	*10919.8*	*12309.0*	*13349.4*	*13428.9*	*12841.4*	*12298.8*	*12233.5*	*11750.1*
60°	6309.5	6366.7	7054.1	8659.5	10340.5	12174.4	*12431.4*	12260.0	11896.9	11421.6	10081.4
62.5°	3159.9	3208.8	3898.3	5416.0	7131.6	8580.0	*8855.4*	9036.9	9122.6	8612.6	6864.4
65°	1360.6	1397.4	1825.7	2829.4	4037.0	4736.7	*4832.6*	5050.9	5585.4	4983.6	3698.4
67.5°	909.8	934.3	1152.6	1725.8	2378.6	2423.4	*2409.2*	2456.1	2572.4	2123.6	1670.7
70°	697.7	718.1	864.9	1264.8	1709.5	1462.6	*1385.1*	1256.6	1364.7	1391.2	1354.5
72.5°	505.9	522.2	632.4	862.9	1071.0	934.3	*922.1*	987.3	1134.2	1175.0	1152.6
75°	326.4	334.6	401.9	473.3	552.8	599.7	*624.2*	742.5	891.5	922.1	895.5
77.5°	218.3	224.4	263.2	304.0	314.2	316.2	*324.4*	377.4	479.4	536.5	530.4
80°	114.2	114.2	128.5	128.5	146.9	175.4	*183.6*	218.3	265.2	293.8	295.8
82.5°	44.9	46.9	55.1	61.2	73.4	89.8	*95.9*	114.2	138.7	159.1	177.5
85°	18.4	20.4	22.4	26.5	32.6	40.8	*42.8*	49.0	65.3	81.6	91.8
87.5°	0.0	0.0	2.0	2.0	4.1	6.1	*6.1*	8.2	10.2	18.4	24.5
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: P642952
CATALOG NUMBER: GWS-SA6D-830-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4504.2	4504.2	4504.2	4504.2	4504.2	4504.2	4504.2	4504.2	4504.2	4504.2	4504.2
2.5°	4518.5	4491.9	4518.5	4526.6	4549.1	4557.2	4542.9	4540.9	4540.9	4520.5	4514.4
5°	4549.1	4524.6	4551.1	4563.3	4596.0	4616.4	4620.5	4636.8	4647.0	4638.8	4636.8
7.5°	4624.5	4593.9	4622.5	4640.9	4683.7	4716.3	4730.6	4767.3	4793.9	4789.8	4787.7
10°	4757.1	4716.3	4749.0	4779.6	4826.5	4865.3	4867.3	4887.7	4914.2	4906.1	4902.0
12.5°	4910.1	4871.4	4908.1	4938.7	4993.8	5010.1	4983.6	4975.4	4979.5	4969.3	4961.1
15°	5097.8	5042.7	5075.4	5110.1	5140.7	5122.3	5065.2	5042.7	5040.7	5026.4	5018.3
17.5°	5285.5	5216.1	5240.6	5259.0	5244.7	5187.6	5116.2	5077.4	5059.1	5030.5	5022.3
20°	5471.1	5383.4	5379.3	5365.0	5299.8	5195.7	5099.9	5022.3	4975.4	4936.7	4922.4
22.5°	5683.3	5560.9	5499.7	5434.4	5291.6	5122.3	4977.5	4867.3	4791.8	4742.9	4726.5
25°	5911.7	5738.4	5611.9	5481.3	5210.0	4965.2	4763.3	4612.3	4522.5	4469.5	4451.2
27.5°	6138.2	5899.5	5709.8	5487.4	5046.8	4738.8	4467.5	4263.5	4173.7	4130.9	4116.6
30°	6444.2	6113.7	5826.1	5407.9	4832.6	4424.6	4086.0	3880.0	3820.8	3790.2	3778.0
32.5°	6797.1	6385.0	5981.1	5240.6	4559.3	4057.4	3700.5	3557.7	3516.9	3457.7	3455.7
35°	7262.2	6772.6	6128.0	4993.8	4214.5	3663.7	3404.7	3302.7	3229.2	3135.4	3127.2
37.5°	7804.8	7256.1	6207.5	4679.6	3812.6	3339.4	3184.3	3070.1	2951.8	2827.4	2811.0
40°	8365.8	7821.1	6213.7	4308.4	3418.9	3125.2	2994.6	2845.7	2698.8	2560.1	2541.8
42.5°	8955.3	8347.4	6105.5	3880.0	3096.6	2939.6	2807.0	2619.3	2454.0	2360.2	2350.0
45°	9481.6	8771.7	5860.7	3429.1	2858.0	2784.5	2615.2	2413.2	2325.5	2258.2	2243.9
47.5°	9895.8	9053.3	5530.3	3025.2	2664.2	2625.4	2405.1	2301.1	2233.7	2172.5	2158.3
50°	10099.7	9116.5	5099.9	2696.8	2484.6	2437.7	2286.8	2207.2	2162.3	2113.4	2101.1
52.5°	10352.7	9187.9	4728.6	2421.4	2309.2	2246.0	2188.9	2125.6	2093.0	2062.4	2052.2
55°	10934.1	9457.2	4532.7	2201.1	2141.9	2113.4	2105.2	2052.2	2042.0	2021.6	2003.2
57.5°	*11170.7*	*9283.8*	*4069.7*	*2021.6*	*2009.3*	*2013.4*	*2033.8*	*1984.9*	*1974.7*	*1950.2*	*1937.9*
60°	8983.9	7017.4	2756.0	1866.5	1899.2	1925.7	1946.1	1897.1	1882.9	1878.8	1862.5
62.5°	5756.7	4316.5	1923.7	1721.7	1770.7	1803.3	1815.5	1768.6	1758.4	1791.1	1793.1
65°	2996.7	2352.1	1560.6	1566.7	1607.5	1656.4	1680.9	1664.6	1660.5	1695.2	1697.2
67.5°	1530.0	1438.2	1360.6	1383.1	1415.7	1479.0	1536.1	1607.5	1632.0	1636.0	1638.1
70°	1303.5	1262.7	1224.0	1238.2	1272.9	1307.6	1362.7	1397.4	1356.6	1346.4	1342.3
72.5°	1109.7	1079.1	1060.8	1077.1	1095.4	1089.3	1073.0	1089.3	1095.4	1097.5	1099.5
75°	862.9	840.5	826.2	828.2	828.2	805.8	775.2	756.8	736.4	720.1	720.1
77.5°	528.3	532.4	546.7	544.7	542.6	534.5	503.9	487.5	438.6	424.3	424.3
80°	301.9	308.0	322.3	326.4	326.4	316.2	285.6	267.2	244.8	234.6	232.6
82.5°	183.6	191.8	199.9	204.0	206.0	193.8	167.3	153.0	140.8	130.6	130.6
85°	95.9	100.0	108.1	110.2	104.0	91.8	77.5	71.4	59.2	57.1	57.1
87.5°	26.5	28.6	32.6	26.5	24.5	18.4	10.2	8.2	4.1	2.0	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

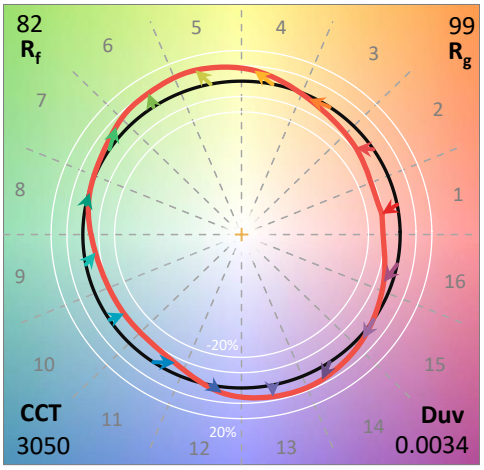
Test Information

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

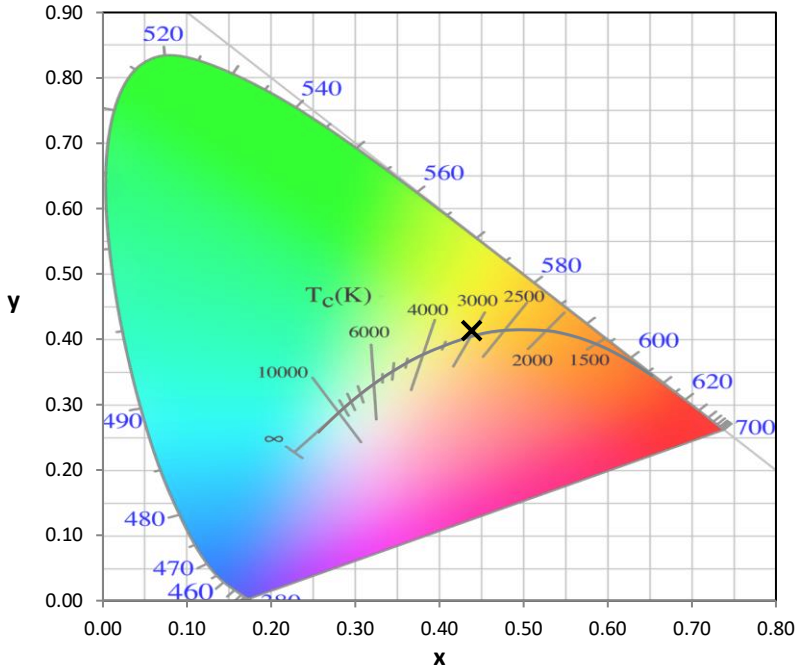
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

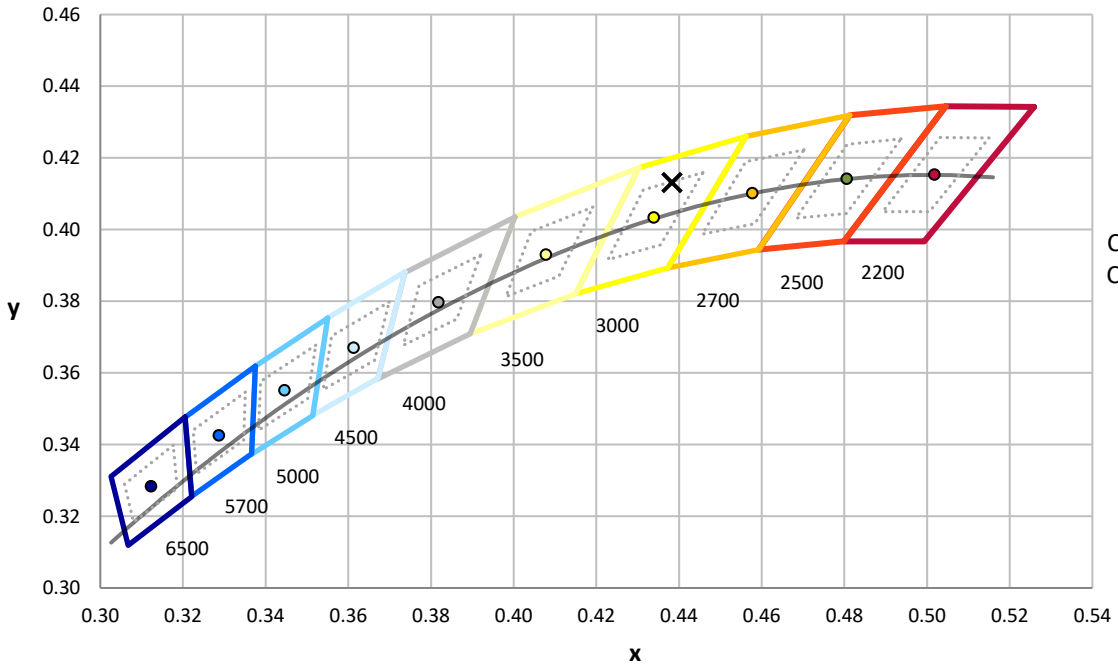
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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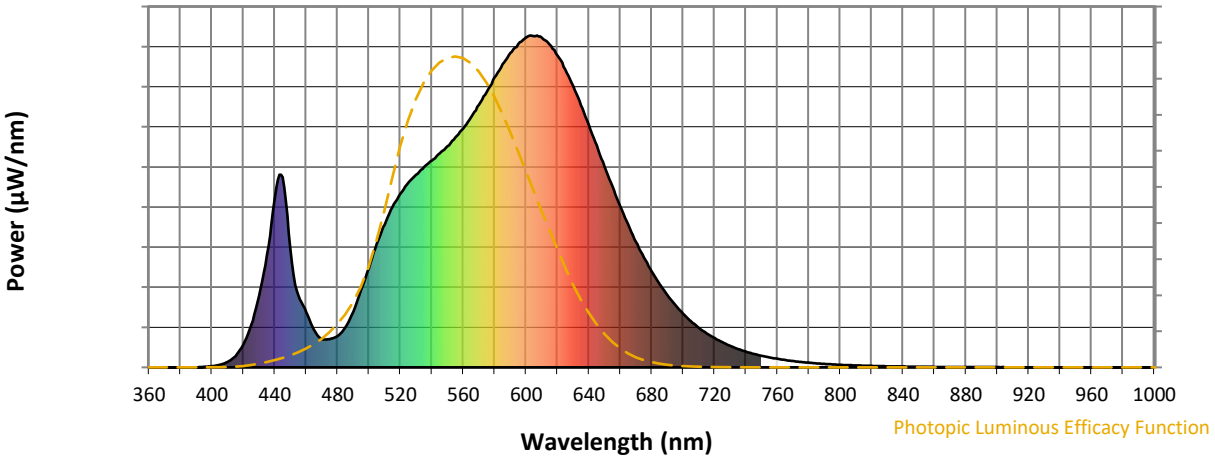
Photopic Flux vs. Wavelength



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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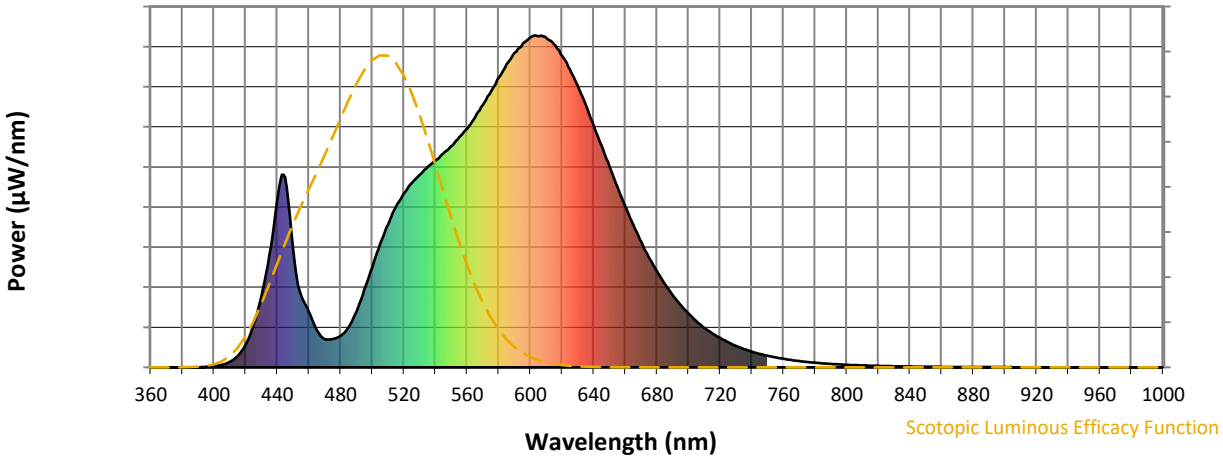
Scotopic Flux vs. Wavelength



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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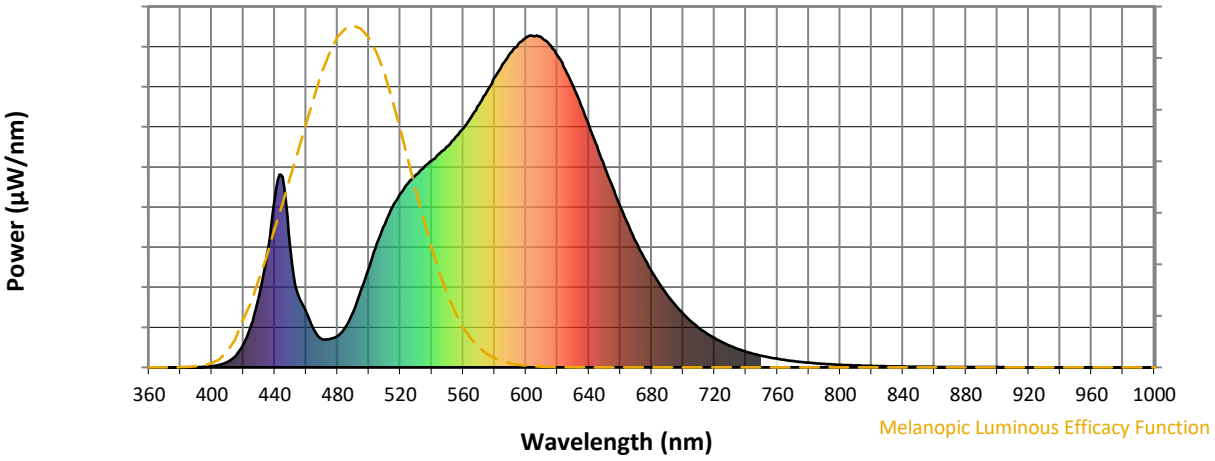
Melanopic Flux vs. Wavelength



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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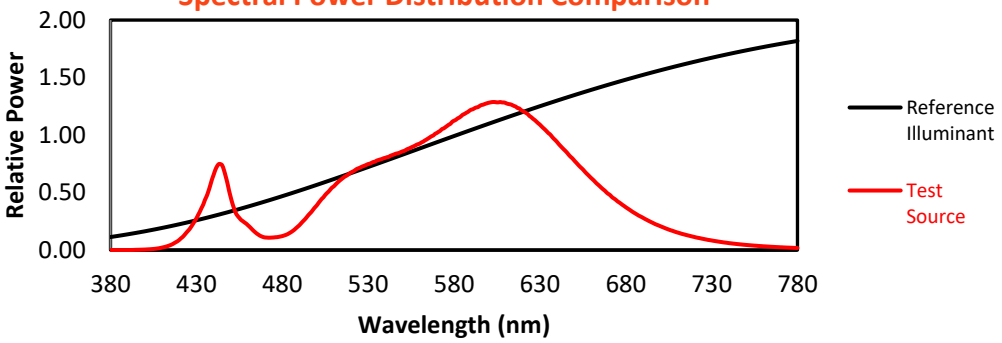
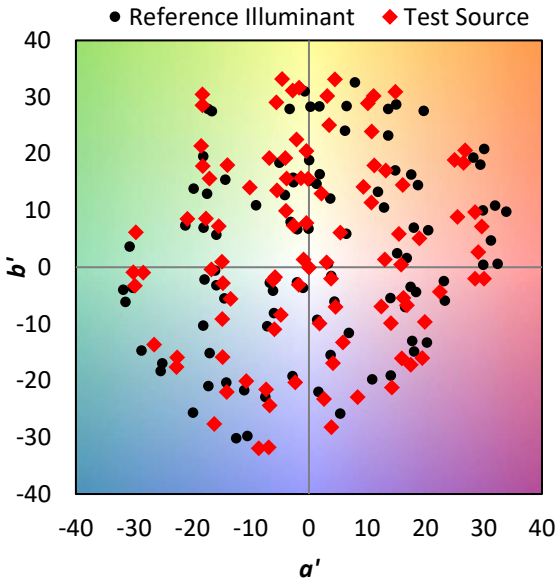
Summary

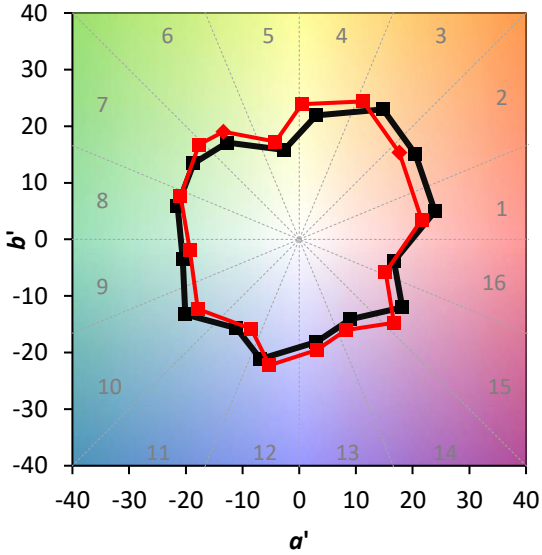
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

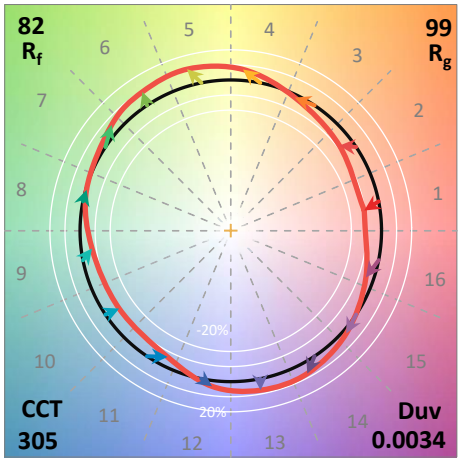
Spectral Power Distribution Comparison

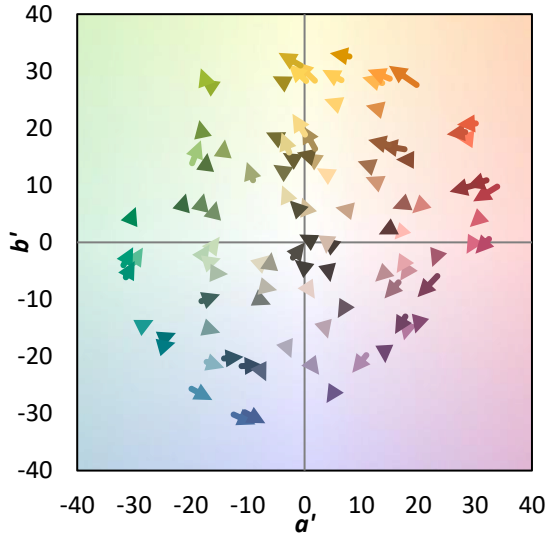


Color Vector Graphics









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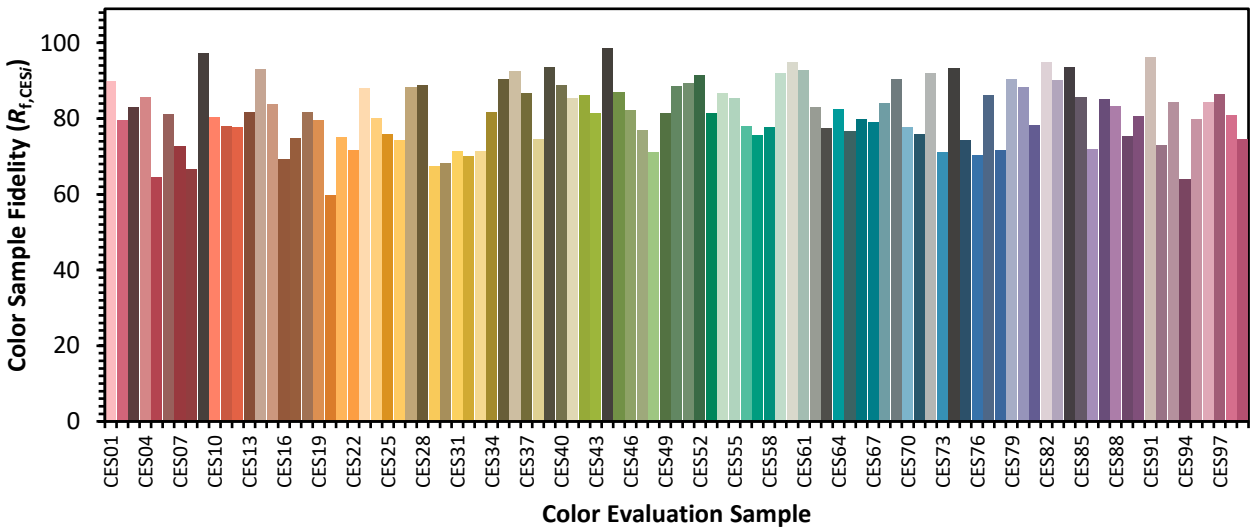
Individual Sample Fidelity Index ($R_{f,i}$)

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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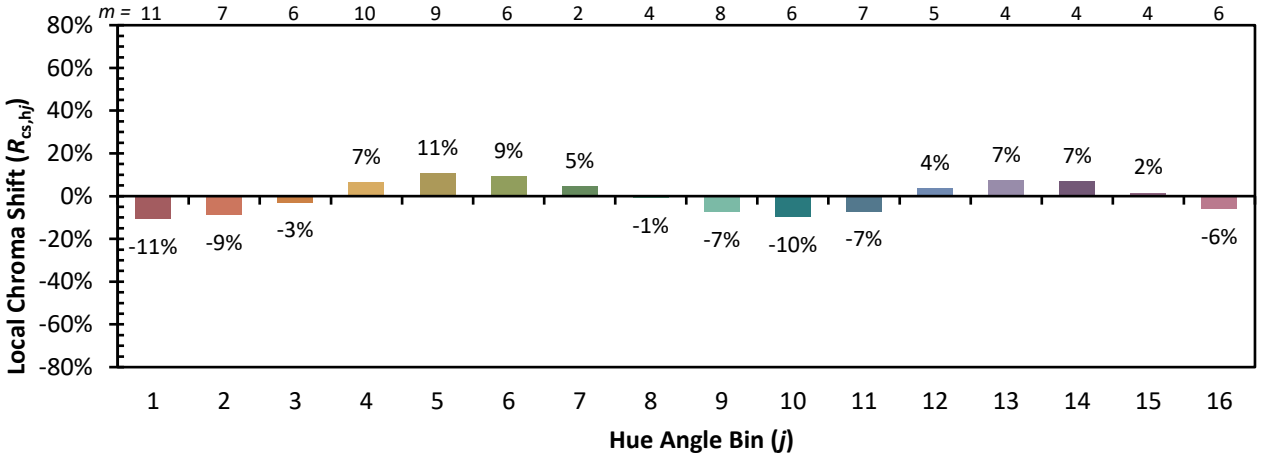
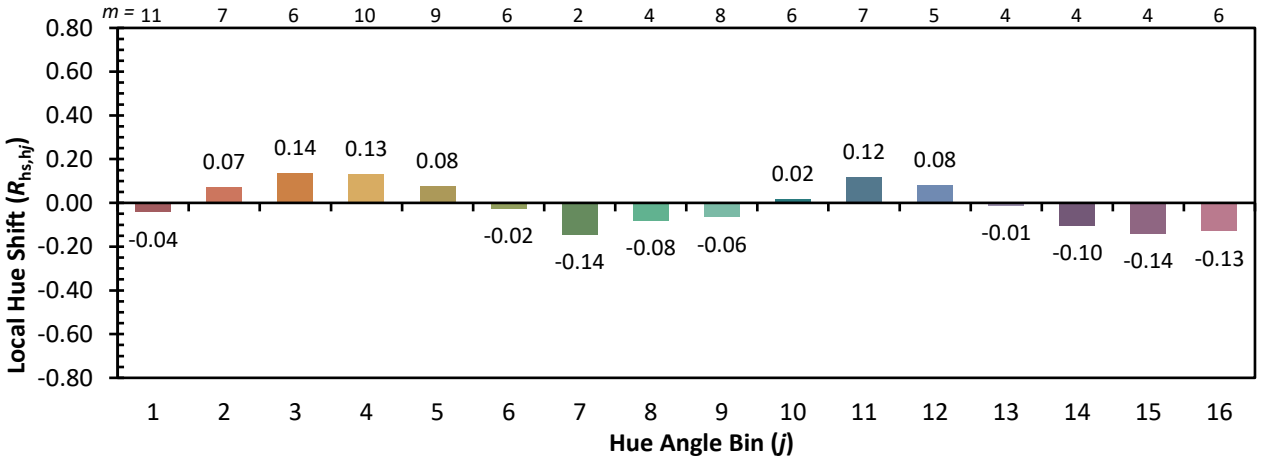
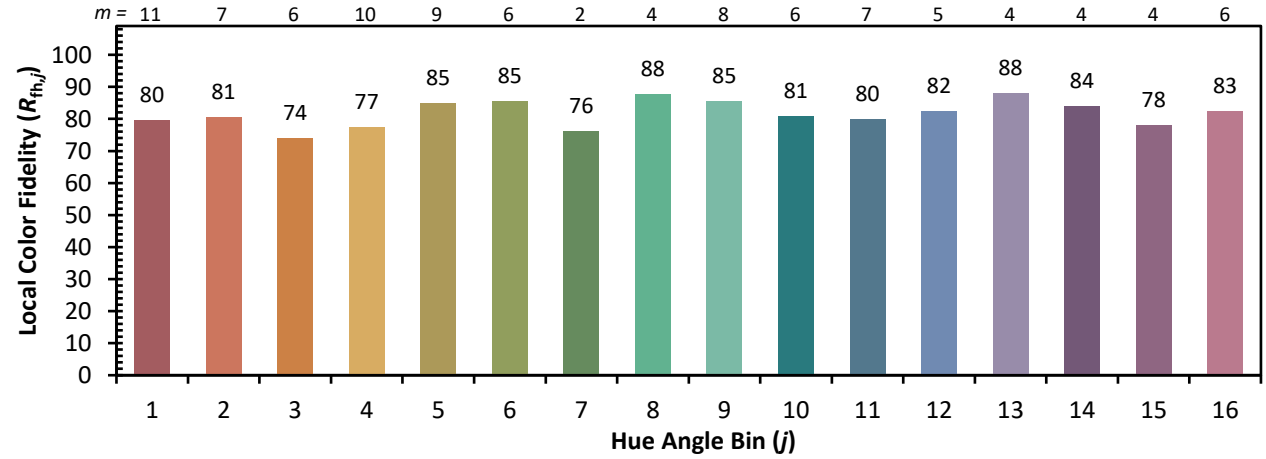
Color Rendition by Hue-Angle Bin







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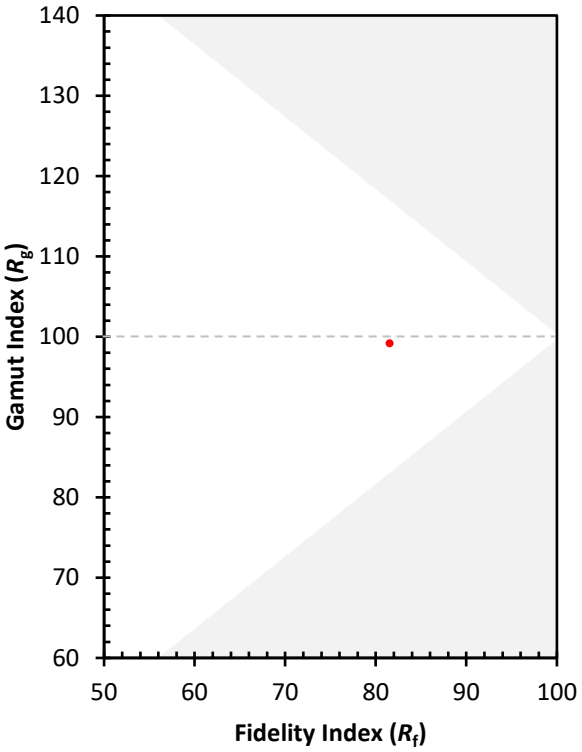
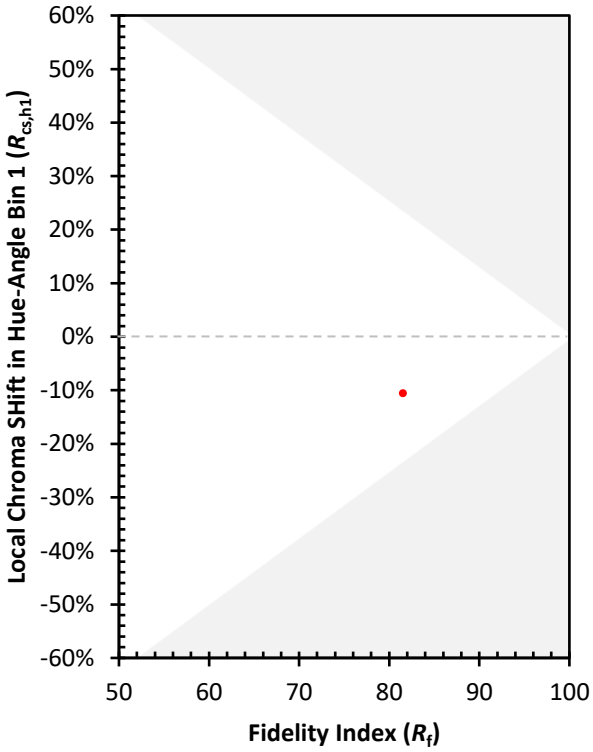
Measure Comparisons





(END OF REPORT)