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: P643449

Luminaire Tested: GWS-SA6E-830-U-T3-W

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:	P643449
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6E-830-U-T3-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	35584.6 lumens
Efficiency:	N/A
Efficacy:	109.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	323.8
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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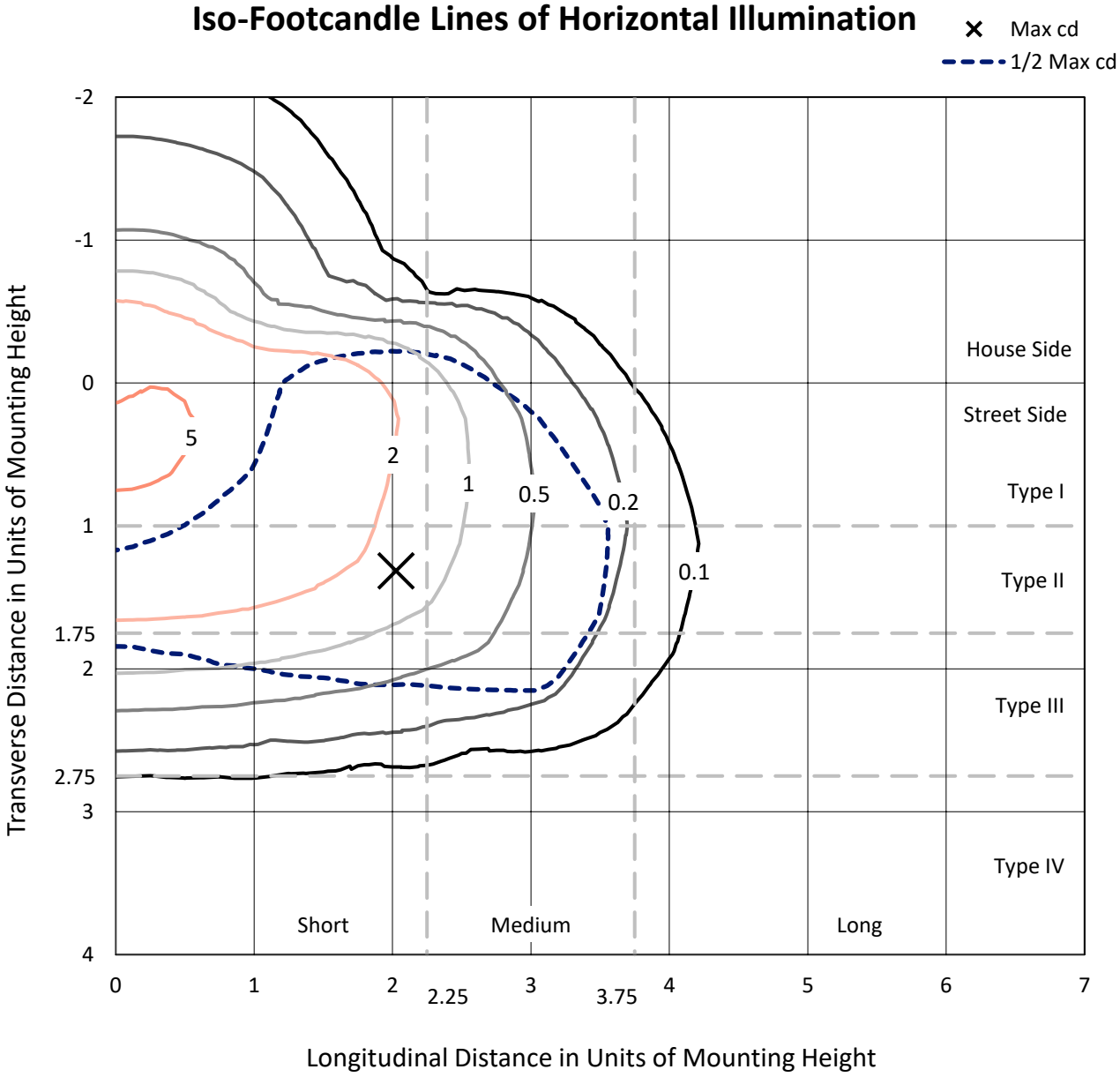
REPORT NUMBER: P643449
CATALOG NUMBER: GWS-SA6E-830-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 5.6 fc
Type III - Short - N/A

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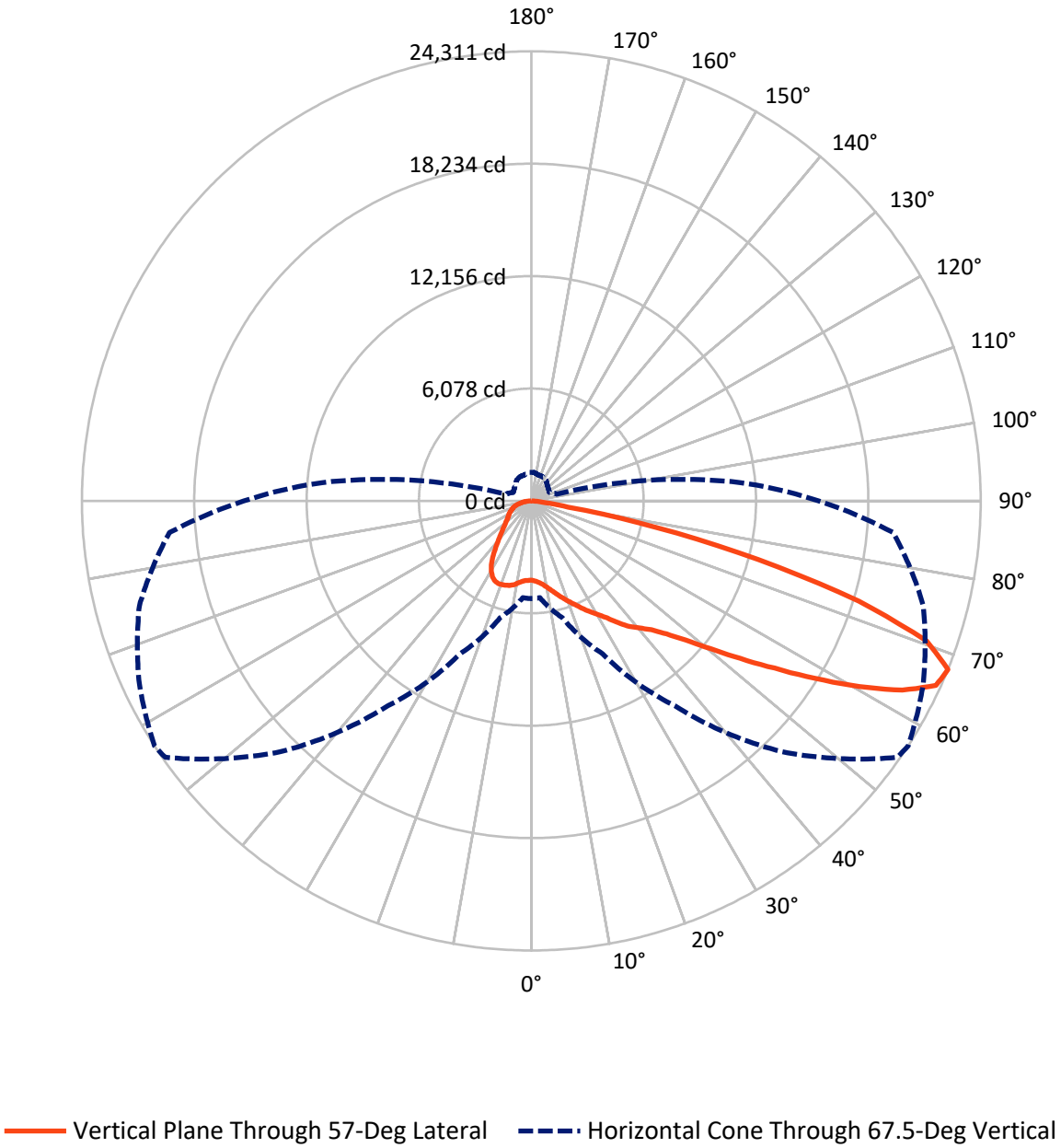
Luminous Intensity Polar Plot



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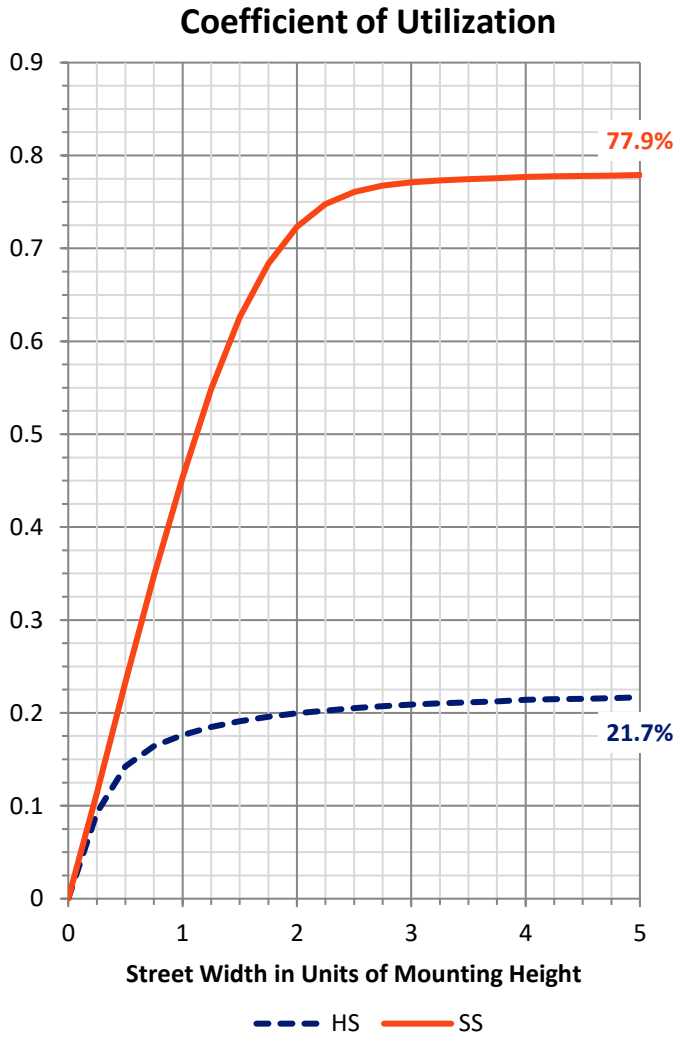
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7823.7	0.0	7823.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	27760.9	0.0	27760.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	35584.6	0.0	35584.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.2	1.2
10°-20°	1407.8	4.0
20°-30°	2509.8	7.1
30°-40°	3649.0	10.3
40°-50°	5281.3	14.8
50°-60°	8265.0	23.2
60°-70°	9641.7	27.1
70°-80°	4024.8	11.3
80°-90°	379.8	1.1
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°	35584.6	100.0
0°-180°	35584.6	100.0



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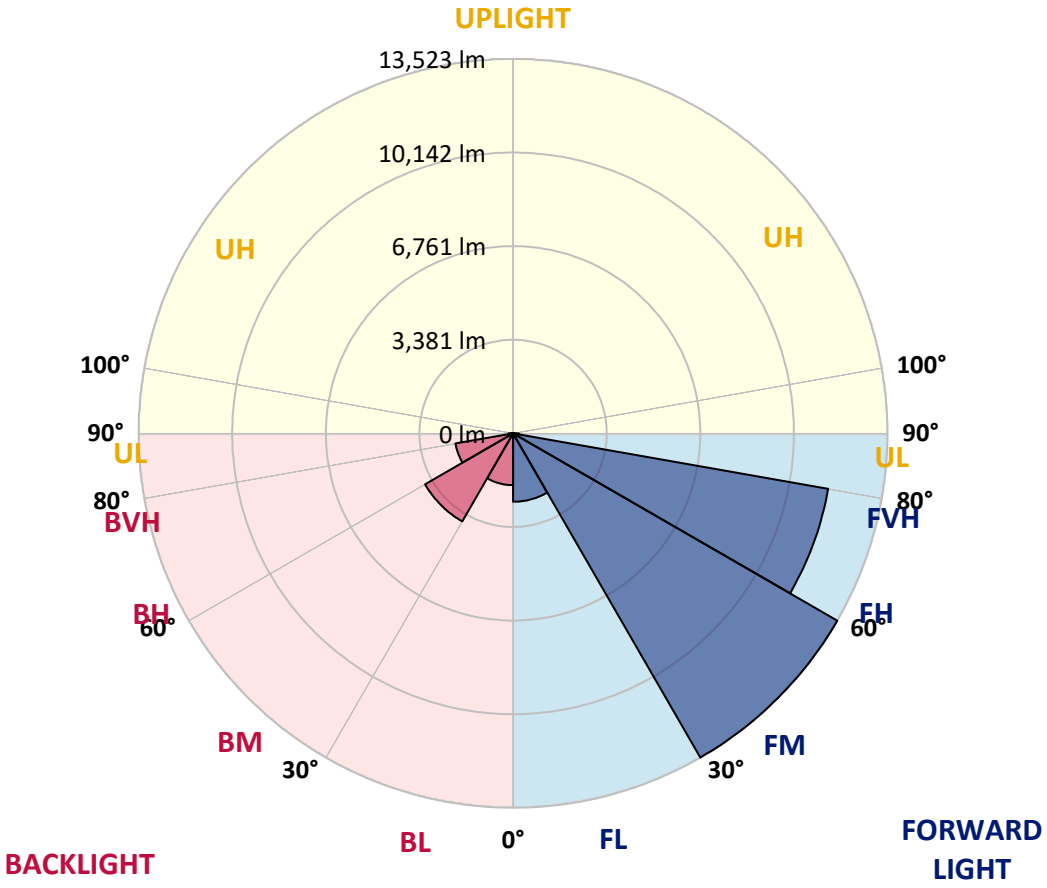
REPORT NUMBER: P643449
CATALOG NUMBER: GWS-SA6E-830-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2471.7	6.9			
FM	(30°-60°)	13522.7	38.0			
FH	(60°-80°)	11554.9	32.5			G4/12000
FVH	(80°-90°)	211.6	0.6			G2/225
BL	(0°-30°)	1871.2	5.3	B3/2500		
BM	(30°-60°)	3672.7	10.3	B3/5000		
BH	(60°-80°)	2111.6	5.9	B3/2500		G3/2500
BVH	(80°-90°)	168.2	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Short



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Scaled Data Report

REPORT NUMBER: P643449
CATALOG NUMBER: GWS-SA6E-830-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	4287.7	4287.7	4287.7	4287.7	4287.7	4287.7	4287.7	*4287.7*	4287.7	4287.7	4287.7
2.5°	4348.9	4343.8	4341.2	4356.5	4351.4	4348.9	4348.9	*4346.3*	4341.2	4320.8	4292.8
5°	4468.7	4458.5	4448.3	4461.0	4450.8	4440.7	4438.1	*4433.0*	4415.2	4384.6	4341.2
7.5°	4593.6	4583.4	4586.0	4593.6	4586.0	4580.9	4573.2	*4568.1*	4540.1	4491.6	4433.0
10°	4769.5	4769.5	4774.6	4782.2	4784.8	4777.1	4761.8	*4754.2*	4721.1	4659.9	4578.3
12.5°	5024.4	5019.3	5019.3	5014.2	5021.9	5014.2	4998.9	*4986.2*	4945.4	4866.4	4749.1
15°	5360.9	5340.5	5322.7	5289.5	5279.3	5251.3	5256.4	*5248.7*	5210.5	5103.4	4955.6
17.5°	5720.3	5717.8	5689.7	5623.5	5557.2	5511.3	5521.5	*5519.0*	5498.6	5353.3	5164.6
20°	6036.4	6049.2	6023.7	5972.7	5883.5	5796.8	5791.7	*5804.5*	5779.0	5633.7	5371.1
22.5°	6390.8	6380.6	6355.1	6288.8	6222.5	6130.8	6100.2	*6090.0*	6079.8	5914.1	5582.7
25°	6727.3	6757.8	6724.7	6663.5	6561.6	6462.1	6436.7	*6446.8*	6418.8	6199.6	5809.6
27.5°	7153.0	7165.7	7145.3	7061.2	6974.5	6834.3	6785.9	*6785.9*	6775.7	6467.2	5988.0
30°	7606.7	7642.4	7606.7	7537.9	7448.7	7247.3	7142.8	*7132.6*	7102.0	6742.6	6197.0
32.5°	8063.0	8088.5	8063.0	7996.7	7894.8	7718.9	7568.5	*7545.5*	7504.8	7043.4	6411.2
35°	8468.3	8491.3	8486.2	8501.5	8417.4	8195.6	8103.8	*8093.6*	7986.5	7435.9	6701.8
37.5°	8911.9	8939.9	8901.7	8932.3	8899.1	8690.1	8662.1	*8611.1*	8458.1	7805.6	7007.7
40°	9416.6	9442.1	9380.9	9393.7	9355.4	9238.2	9095.4	*9026.6*	8799.7	8205.8	7489.5
42.5°	9957.1	10015.7	10043.7	10020.8	9931.6	9865.3	9615.5	*9528.8*	9340.2	8927.2	8282.2
45°	10739.6	10826.3	10867.1	10808.5	10770.2	10675.9	10370.0	*10265.5*	10166.1	9944.3	9388.6
47.5°	11583.4	11662.4	11792.5	11817.9	11848.5	11777.2	11346.4	*11244.4*	11262.2	11236.7	10749.8
50°	12256.4	12322.7	12615.8	12929.4	13189.4	13209.8	12659.2	*12549.6*	12646.4	12728.0	12389.0
52.5°	12745.8	12804.5	13191.9	13839.4	14428.3	14864.2	14270.2	*14145.3*	14224.4	14407.9	14252.4
55°	13143.5	13225.1	13630.4	14624.6	15815.0	16503.3	16123.5	*15965.4*	15932.3	16159.2	16248.4
57.5°	13352.5	13378.0	13946.5	15238.9	16832.2	18111.8	18277.5	*18099.1*	17783.0	17907.9	18371.9
60°	12875.9	12919.2	13696.7	15397.0	17635.2	19707.6	20538.7	*20390.8*	19717.8	19786.6	20299.0
62.5°	11557.9	11619.1	12554.7	14645.0	17701.4	20773.2	22626.4	*22532.1*	21629.7	21257.5	21410.5
65°	9271.3	9291.7	10260.4	12784.1	16383.5	20905.7	24082.0	*24059.1*	22965.5	22093.6	21438.5
67.5°	*5287.0*	*5251.3*	*6546.3*	*9118.4*	*13520.8*	*19182.5*	*24176.3*	*24311.4*	*23398.8*	*21956.0*	*19654.1*
70°	2291.7	2296.8	2893.3	4499.3	8751.3	15504.0	22455.6	*22687.6*	22144.6	19664.3	15636.6
72.5°	1060.5	1075.7	1333.2	1947.6	3737.1	9618.0	18310.7	*18519.7*	18053.2	15738.6	11376.9
75°	749.5	762.2	889.7	1116.5	1718.1	3747.3	12248.8	*12687.2*	12914.1	11772.1	7497.1
77.5°	568.5	586.3	650.0	774.9	1060.5	1328.1	5860.5	*6905.7*	8226.2	7323.8	3862.0
80°	362.0	362.0	430.8	517.5	647.5	690.8	1692.6	*2006.2*	4025.1	3018.2	1516.8
82.5°	244.7	252.4	293.2	328.8	372.2	392.6	726.5	*774.9*	1162.4	1027.3	624.5
85°	130.0	135.1	153.0	150.4	178.4	155.5	305.9	*303.4*	425.7	466.5	237.1
87.5°	0.0	0.0	2.5	2.5	5.1	7.6	33.1	*35.7*	89.2	142.8	79.0
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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CATALOG NUMBER: GWS-SA6E-830-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4287.7	4287.7	4287.7	4287.7	4287.7	4287.7	4287.7	4287.7	4287.7	4287.7	4287.7
2.5°	4308.1	4277.5	4292.8	4287.7	4303.0	4303.0	4275.0	4267.3	4269.9	4239.3	4229.1
5°	4346.3	4310.6	4318.3	4308.1	4323.4	4336.1	4323.4	4323.4	4338.7	4315.7	4303.0
7.5°	4433.0	4392.2	4392.2	4379.5	4397.3	4407.5	4397.3	4412.6	4440.7	4417.7	4405.0
10°	4570.7	4522.2	4524.8	4509.5	4517.1	4512.0	4471.2	4458.5	4466.1	4445.8	4435.6
12.5°	4749.1	4682.8	4682.8	4652.2	4634.4	4580.9	4496.7	4466.1	4471.2	4453.4	4445.8
15°	4919.9	4858.7	4846.0	4784.8	4703.2	4603.8	4527.3	4506.9	4512.0	4494.2	4481.4
17.5°	5121.3	5042.3	4996.4	4884.2	4733.8	4631.8	4555.4	4506.9	4466.1	4425.4	4415.2
20°	5307.4	5208.0	5123.8	4950.5	4766.9	4626.7	4484.0	4364.2	4264.8	4211.2	4198.5
22.5°	5498.6	5371.1	5223.2	4996.4	4764.4	4535.0	4272.4	4091.4	3943.6	3864.5	3879.8
25°	5679.5	5519.0	5317.6	5039.7	4682.8	4331.0	3974.2	3703.9	3535.7	3474.5	3456.7
27.5°	5829.9	5631.1	5404.2	5019.3	4514.6	4037.9	3566.3	3265.5	3102.3	3033.5	3015.7
30°	5998.2	5773.9	5529.1	4925.0	4249.5	3627.5	3104.9	2860.2	2742.9	2676.6	2679.2
32.5°	6191.9	5957.4	5705.0	4744.0	3910.4	3183.9	2725.1	2556.8	2462.5	2396.2	2386.0
35°	6451.9	6220.0	5822.3	4471.2	3479.6	2776.0	2465.0	2327.4	2210.1	2123.5	2105.6
37.5°	6773.1	6615.1	5835.0	4106.7	3018.2	2495.6	2279.0	2131.1	1988.4	1873.6	1860.9
40°	7323.8	7142.8	5730.5	3650.4	2625.6	2314.6	2123.5	1952.7	1787.0	1659.5	1641.7
42.5°	8108.9	7736.7	5506.2	3135.5	2329.9	2171.9	1975.6	1758.9	1590.7	1501.5	1488.7
45°	9108.2	8399.5	5169.7	2651.1	2110.7	2031.7	1820.1	1593.2	1504.0	1440.3	1427.5
47.5°	10331.8	9171.9	4782.2	2273.9	1939.9	1904.2	1662.1	1537.1	1458.1	1404.6	1391.8
50°	11795.0	10155.9	4463.6	1978.2	1787.0	1756.4	1611.1	1504.0	1440.3	1396.9	1386.7
52.5°	13464.7	11249.5	4308.1	1766.6	1654.4	1623.8	1593.2	1496.4	1442.8	1409.7	1396.9
55°	15198.1	12401.7	4162.8	1603.4	1542.2	1560.1	1595.8	1521.9	1481.1	1437.7	1425.0
57.5°	16872.9	13482.6	3805.9	1476.0	1460.7	1529.5	1608.5	1547.3	1498.9	1455.6	1440.3
60°	18027.7	14074.0	3201.8	1374.0	1399.5	1491.3	1575.4	1509.1	1447.9	1430.1	1422.4
62.5°	18338.7	14002.6	2485.4	1269.5	1325.6	1407.1	1488.7	1445.4	1381.6	1409.7	1412.2
65°	17612.2	13237.8	1866.0	1167.5	1228.7	1297.5	1399.5	1381.6	1358.7	1435.2	1437.7
67.5°	*15555.0*	*11359.1*	*1422.4*	*1078.3*	*1129.3*	*1213.4*	*1371.5*	*1445.4*	*1450.5*	*1547.3*	*1537.1*
70°	11769.5	8486.2	1114.0	994.2	1052.8	1213.4	1460.7	1493.8	1432.6	1521.9	1501.5
72.5°	8136.9	5600.5	948.3	920.2	958.5	1157.3	1458.1	1458.1	1391.8	1391.8	1353.6
75°	5055.0	3293.5	825.9	825.9	825.9	1012.0	1417.3	1343.4	1226.2	1172.6	1142.0
77.5°	2495.6	1600.9	693.4	718.9	690.8	846.3	1157.3	1098.7	1027.3	971.2	950.8
80°	1065.6	800.4	560.8	588.9	555.7	637.3	917.7	905.0	836.1	762.2	739.3
82.5°	489.4	413.0	448.7	461.4	405.3	479.2	670.4	670.4	632.2	530.2	492.0
85°	209.0	219.2	311.0	311.0	254.9	270.2	359.4	341.6	305.9	249.8	229.4
87.5°	71.4	107.1	158.0	137.7	53.5	22.9	12.7	5.1	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

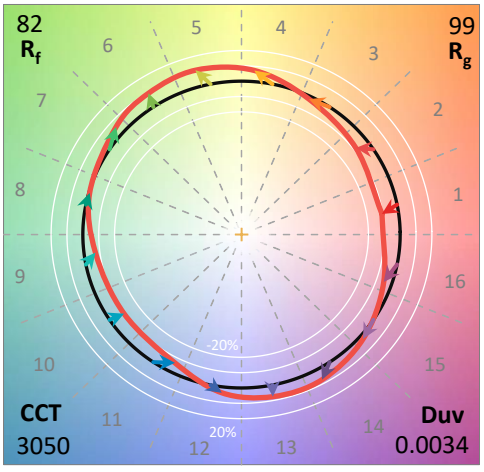
Test Information

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

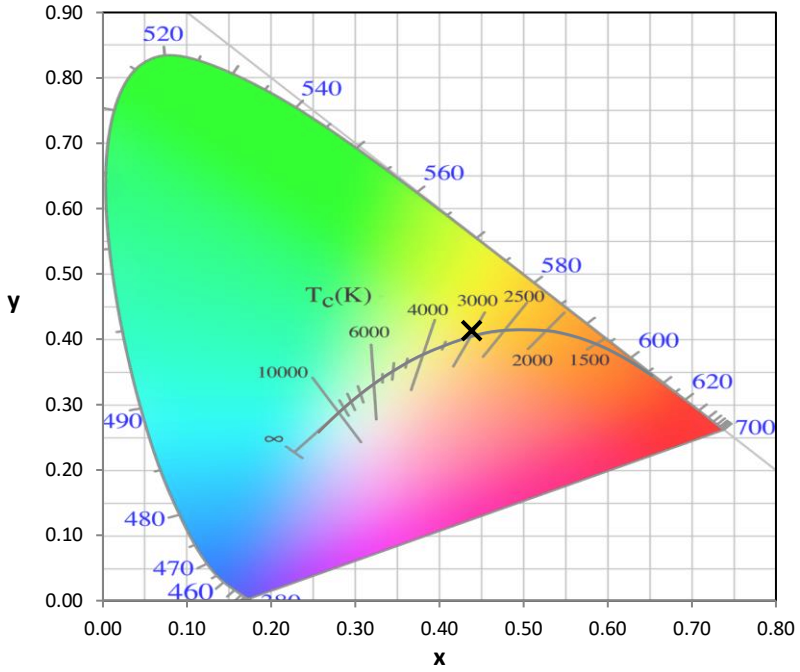
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

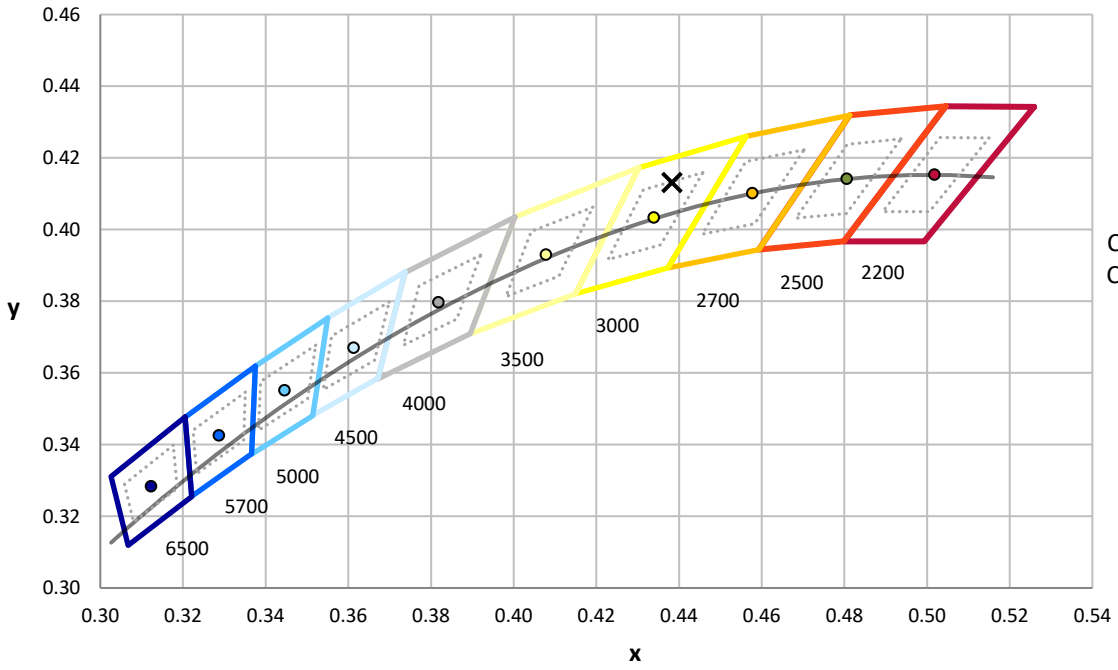
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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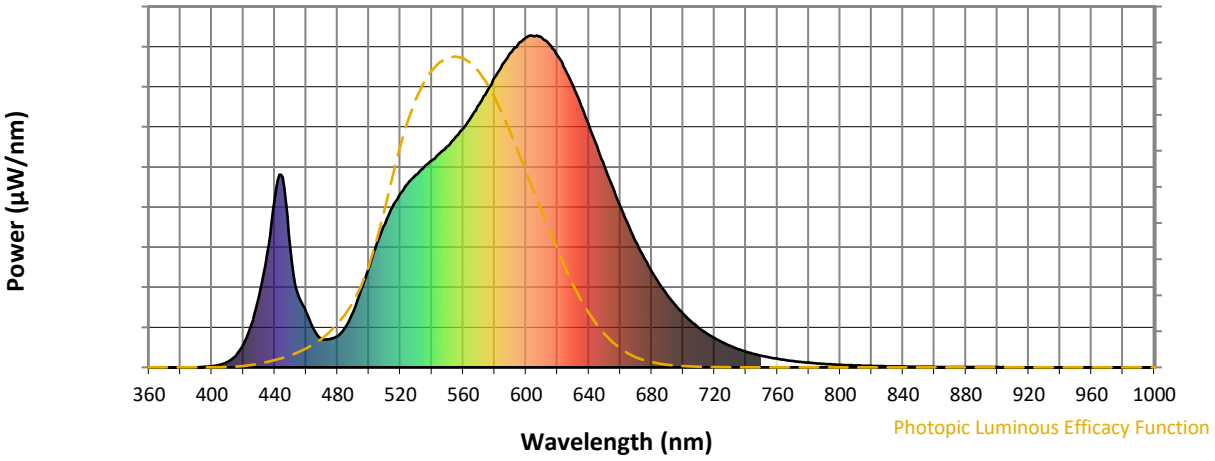
Photopic Flux vs. Wavelength



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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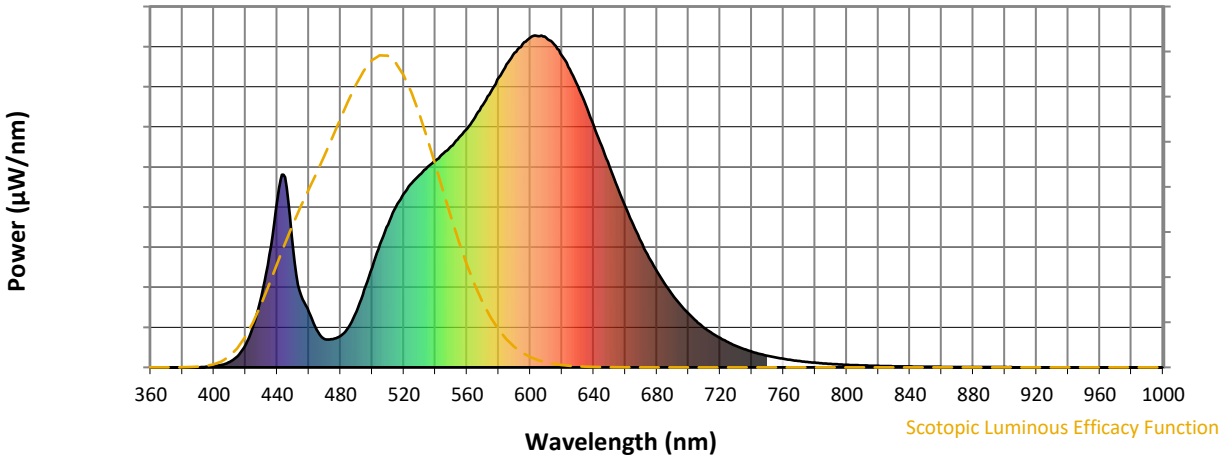
Scotopic Flux vs. Wavelength



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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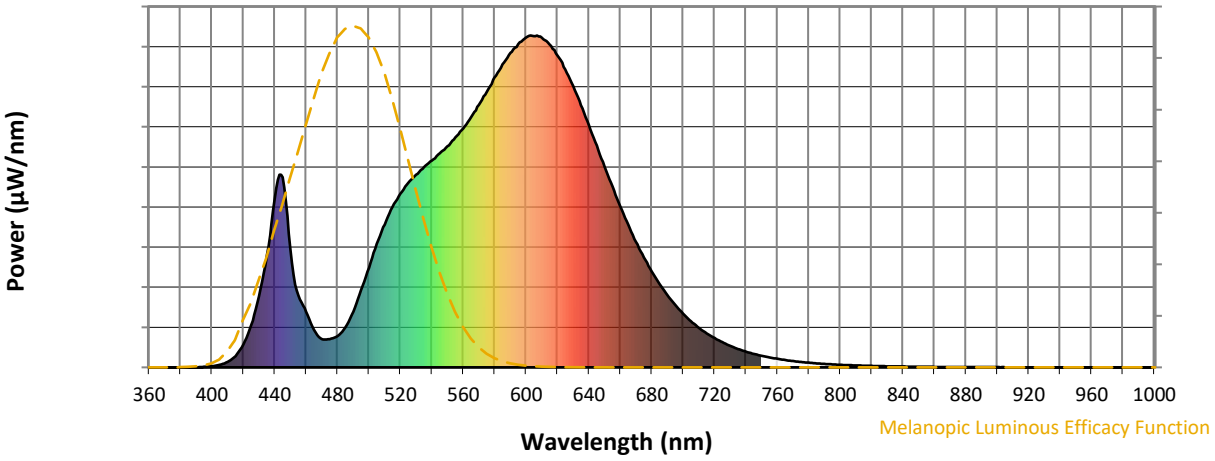
Melanopic Flux vs. Wavelength



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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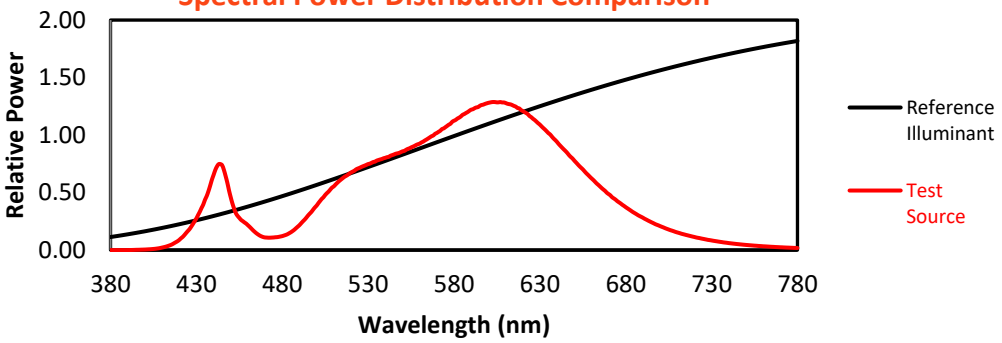
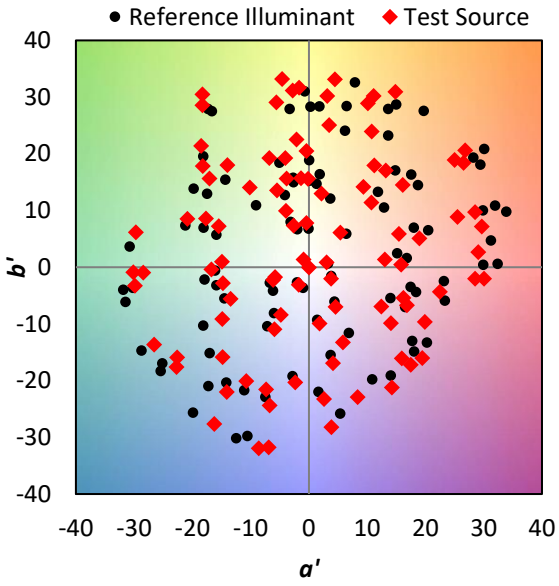
Summary

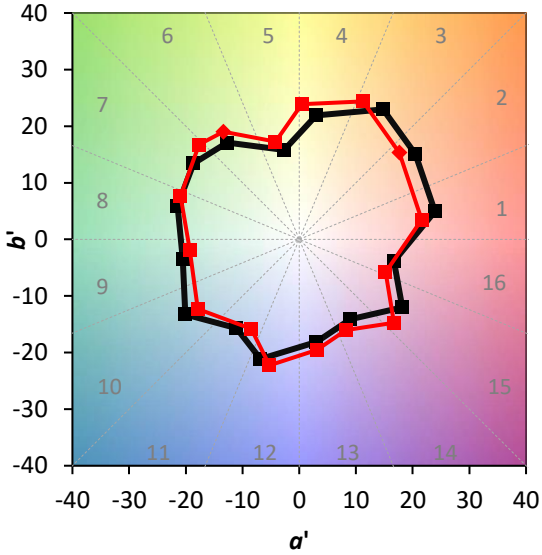
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

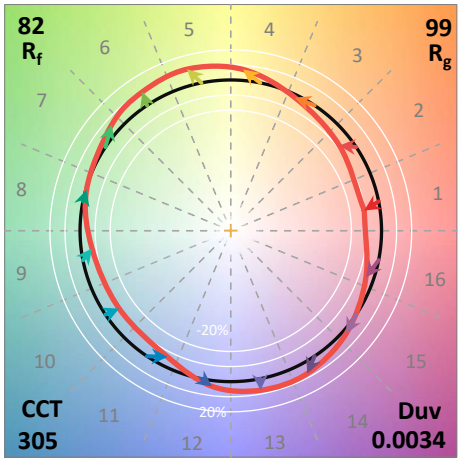
Spectral Power Distribution Comparison

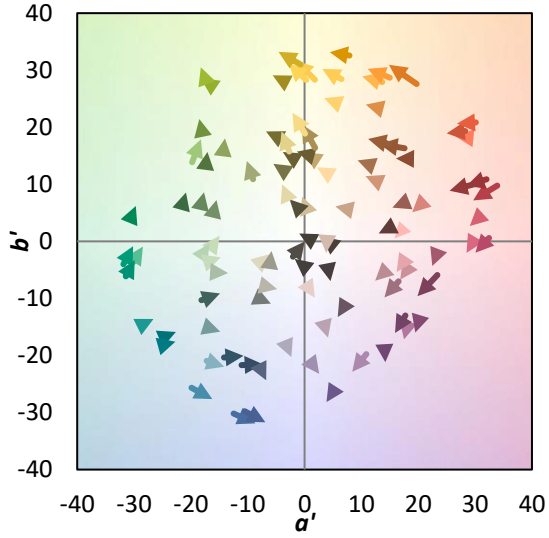


Color Vector Graphics









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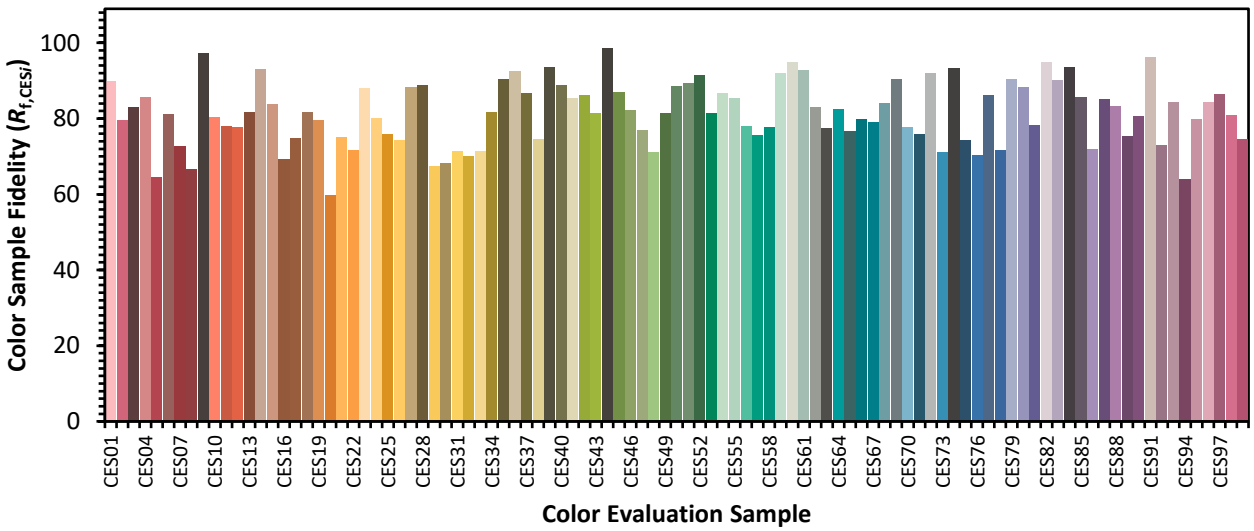
Individual Sample Fidelity Index ($R_{f,i}$)

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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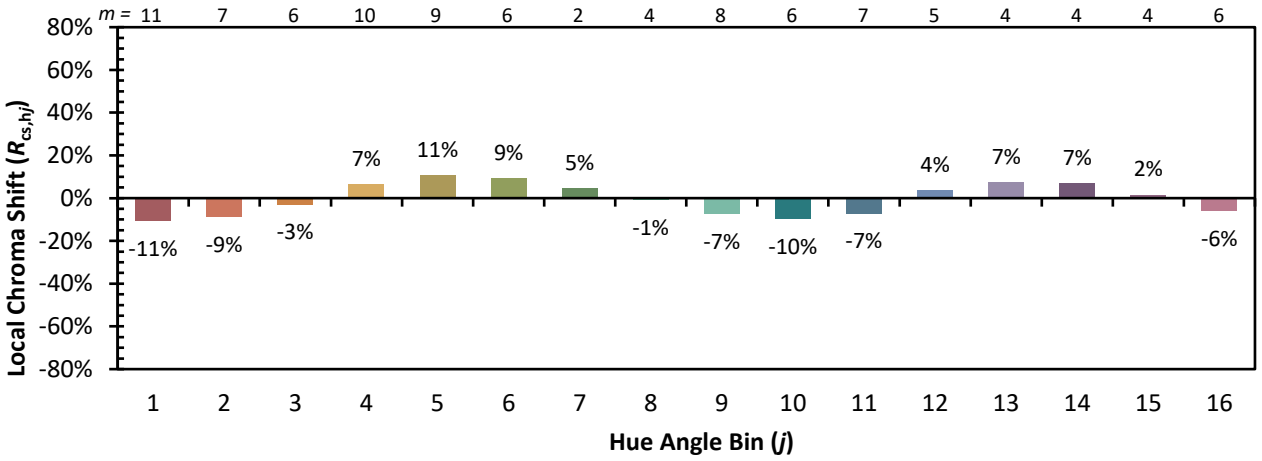
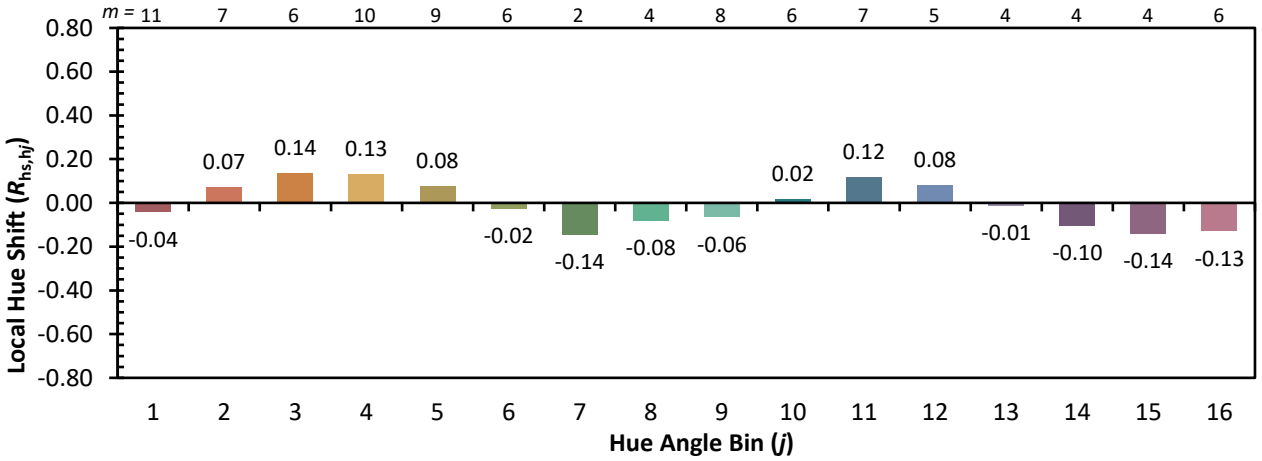
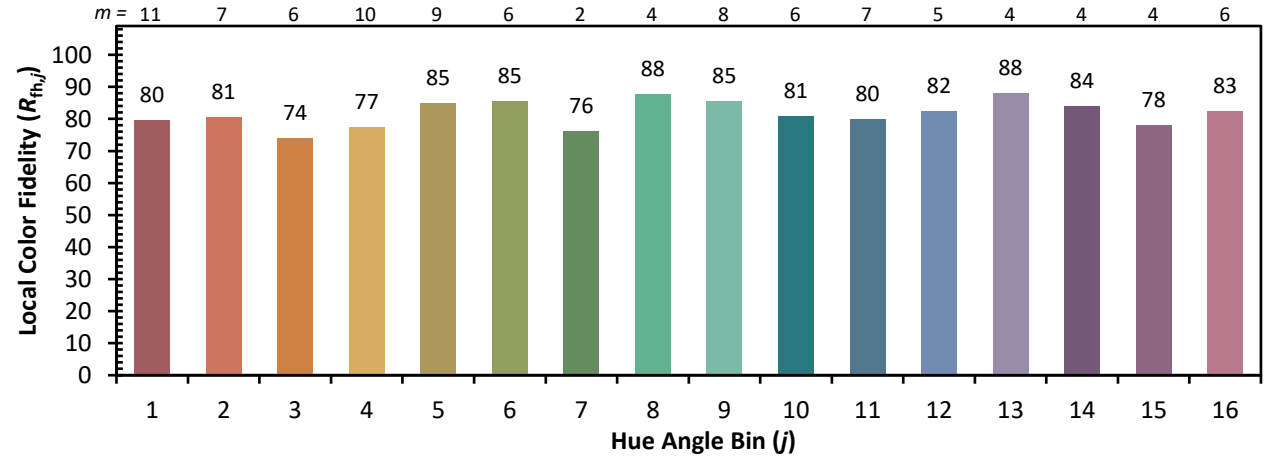
Color Rendition by Hue-Angle Bin







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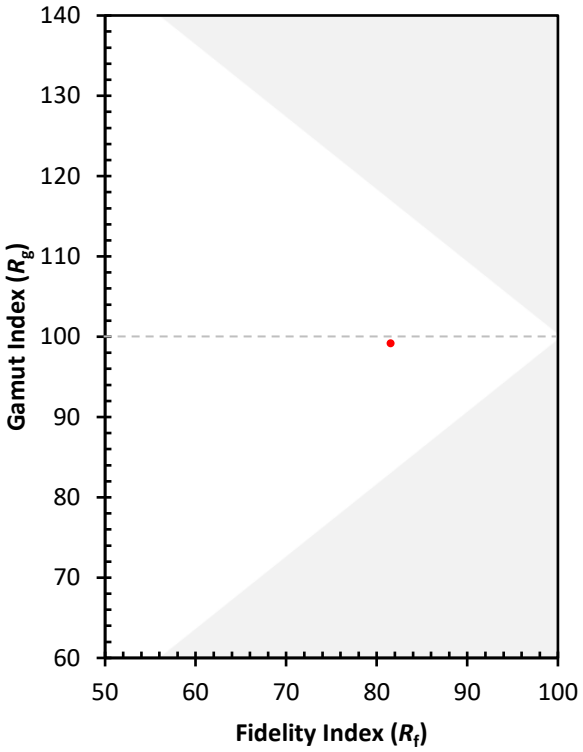
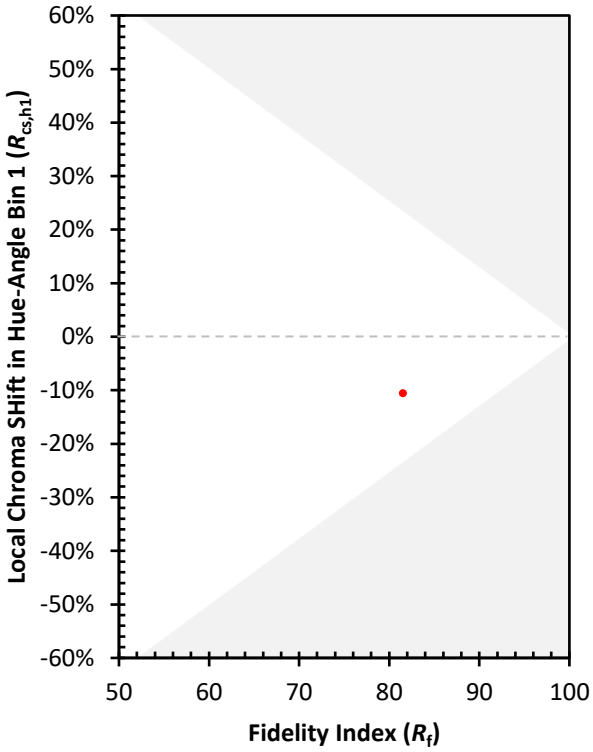
Measure Comparisons





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