Signify Classified - Internal

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: P641935

Luminaire Tested: GWS-SA6B-830-U-SL2-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:	P641935
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-SL2-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14325.2 lumens
Efficiency:	N/A
Efficacy:	103.1 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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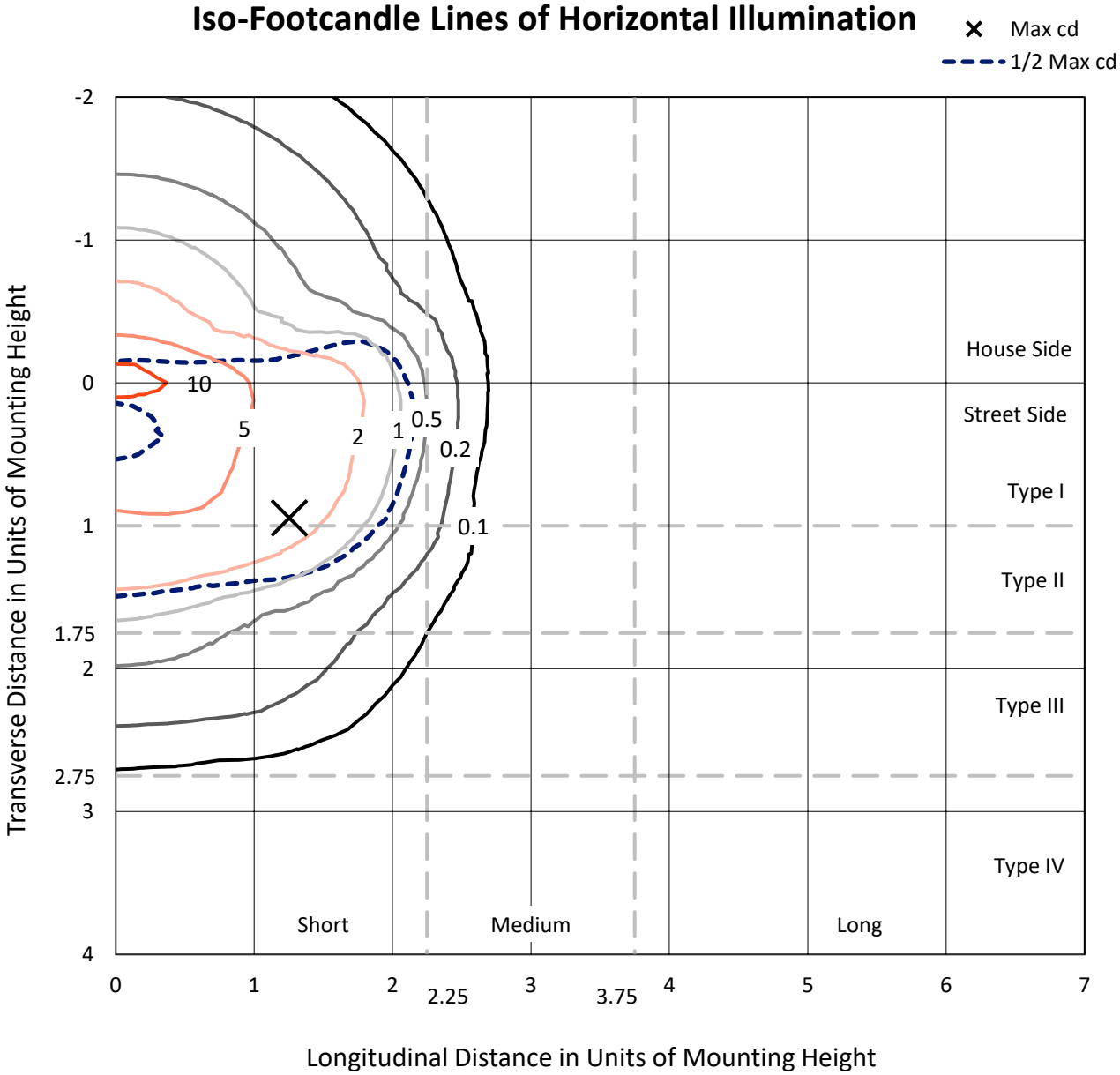
Scaled Data Report

REPORT NUMBER: P641935
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 11.4 fc
Type II - Short - N/A

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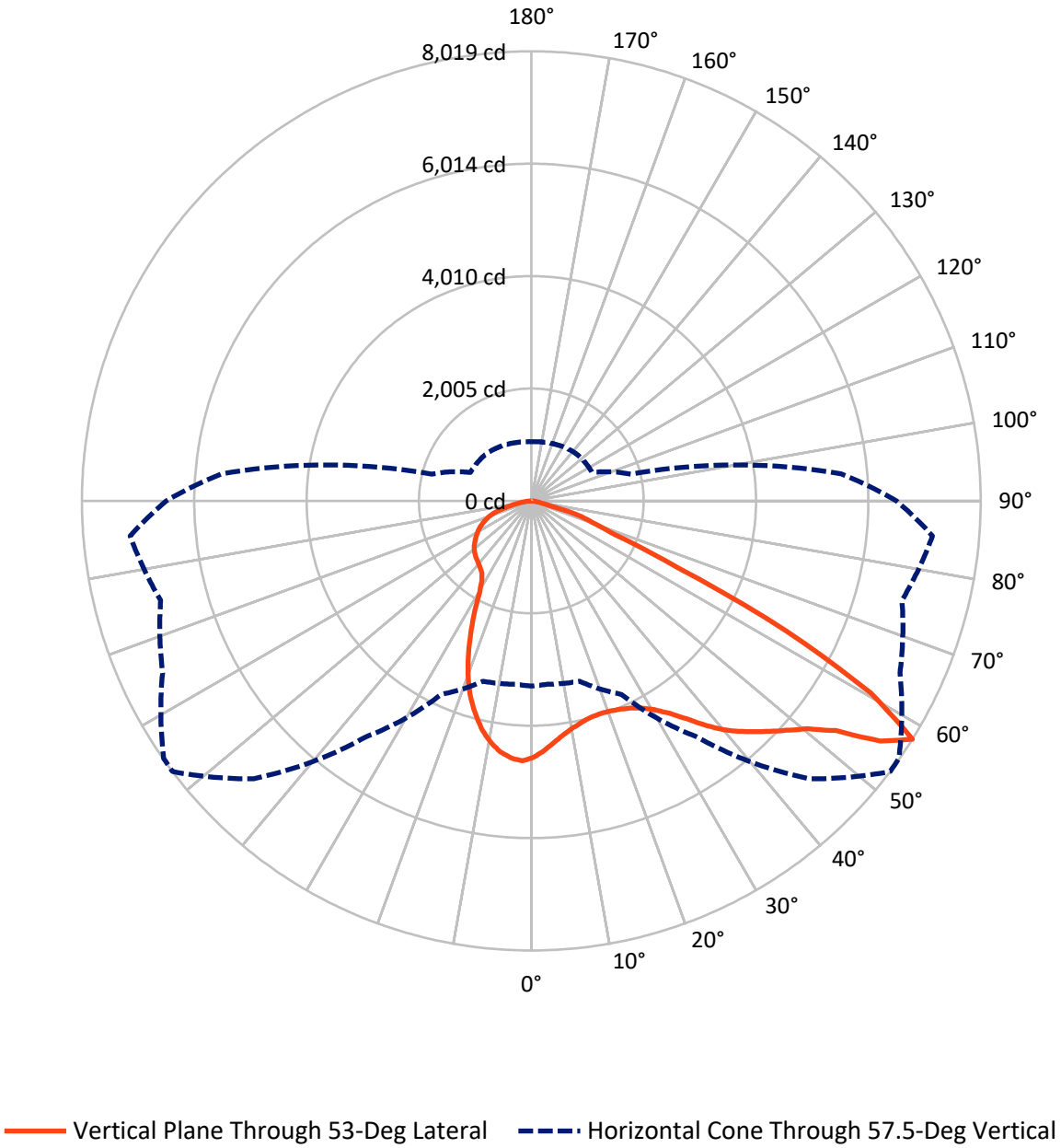
Luminous Intensity Polar Plot



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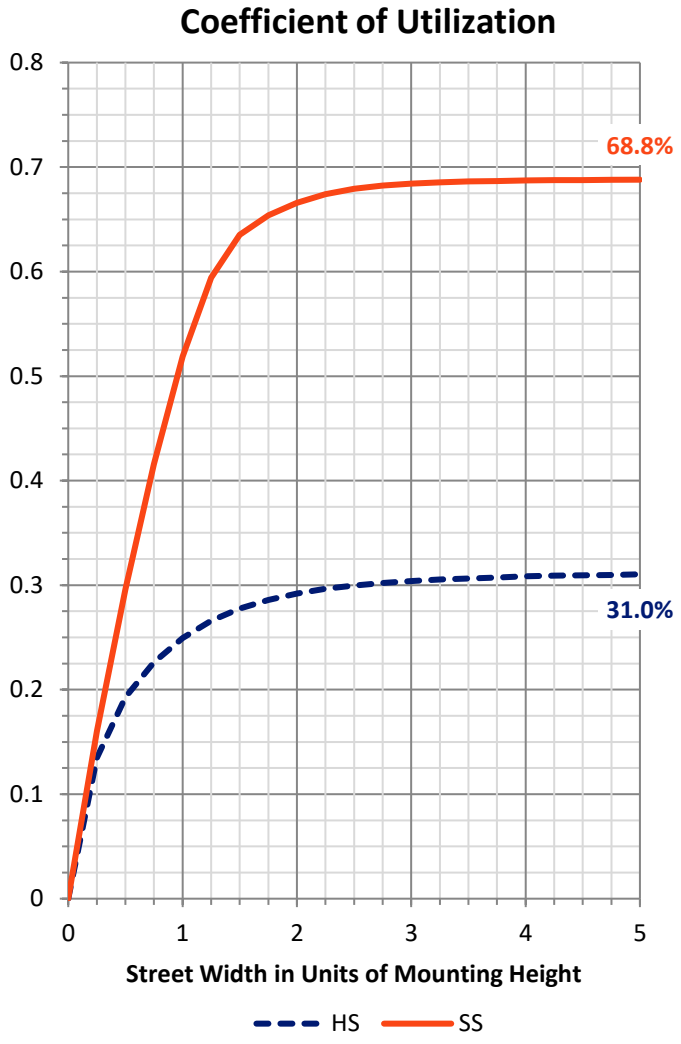
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4479.0	0.0	4479.0
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	9846.2	0.0	9846.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	14325.2	0.0	14325.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.7	2.9
10°-20°	1085.3	7.6
20°-30°	1599.0	11.2
30°-40°	2238.2	15.6
40°-50°	2942.2	20.5
50°-60°	3449.8	24.1
60°-70°	2032.3	14.2
70°-80°	505.6	3.5
80°-90°	59.3	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°	14325.2	100.0
0°-180°	14325.2	100.0



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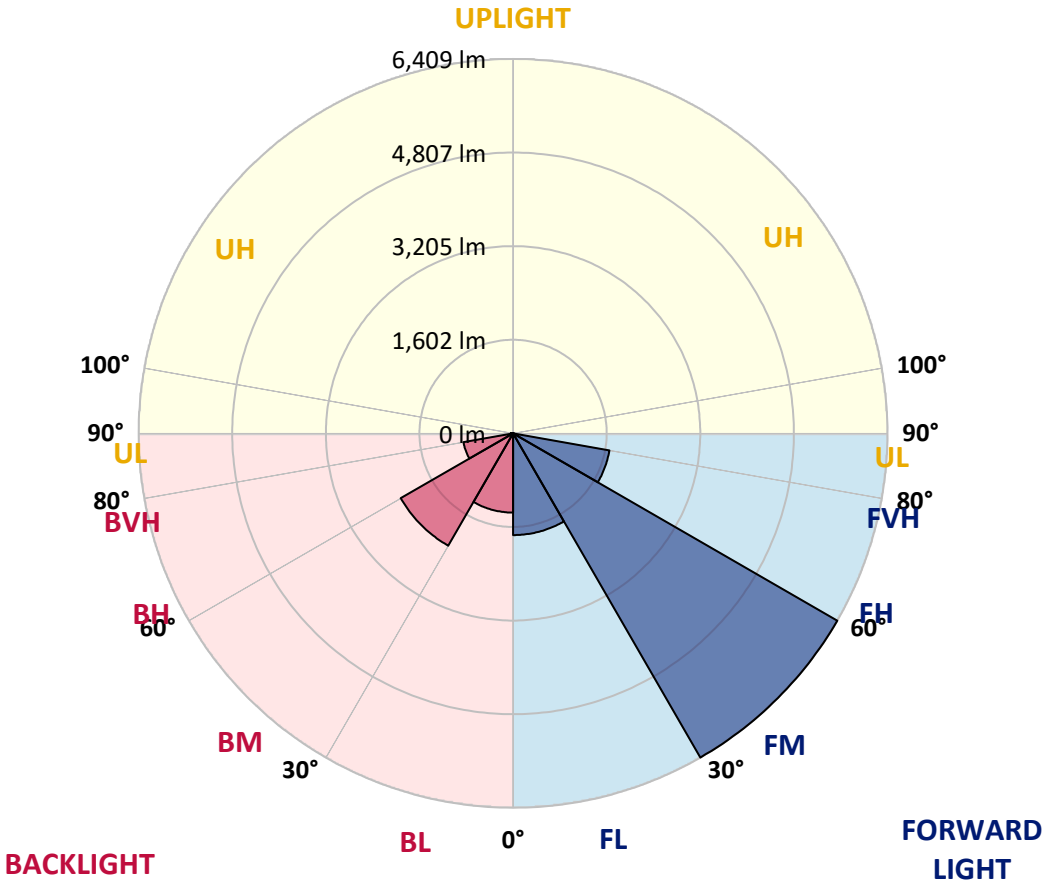
REPORT NUMBER: P641935
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1741.7	12.2			
FM	(30°-60°)	6409.2	44.7			
FH	(60°-80°)	1675.5	11.7			G1/1800
FVH	(80°-90°)	19.8	0.1			G1/100
BL	(0°-30°)	1356.3	9.5	B3/2500		
BM	(30°-60°)	2220.9	15.5	B2/2500		
BH	(60°-80°)	862.3	6.0	B2/1000		G2/1000
BVH	(80°-90°)	39.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type II Short



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REPORT NUMBER: P641935
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	*4574.4*	4574.4	4574.4	4574.4	4574.4
2.5°	4311.6	4323.6	4326.0	4363.4	4365.8	4420.1	*4456.3*	4449.0	4486.4	4532.2	4568.4
5°	4105.4	4106.6	4118.7	4163.3	4187.4	4258.5	*4318.8*	4318.8	4391.2	4485.2	4566.0
7.5°	3935.4	3934.2	3945.0	3994.5	4034.3	4119.9	*4201.9*	4211.5	4312.8	4450.2	4581.7
10°	3777.5	3785.9	3798.0	3858.2	3908.9	4015.0	*4112.6*	4128.3	4256.1	4426.1	4603.4
12.5°	3676.2	3677.4	3695.5	3763.0	3828.1	3941.4	*4043.9*	4063.2	4210.3	4403.2	4619.0
15°	3611.1	3612.3	3631.6	3706.3	3782.3	3896.8	*4001.7*	4023.4	4183.8	4399.6	4649.2
17.5°	3582.1	3580.9	3599.0	3673.8	3757.0	3876.3	*3988.5*	4015.0	4195.8	4427.3	4702.2
20°	3582.1	3583.3	3593.0	3660.5	3744.9	3871.5	*4001.7*	4034.3	4242.9	4490.0	4784.2
22.5°	3632.8	3637.6	3642.4	3688.2	3754.5	3878.7	*4036.7*	4080.1	4344.1	4594.9	4891.5
25°	3731.6	3732.8	3737.7	3775.0	3805.2	3899.2	*4094.6*	4159.7	4502.1	4748.0	5026.6
27.5°	3864.3	3881.1	3886.0	3910.1	3910.1	3949.9	*4185.0*	4279.0	4715.5	4968.7	5199.0
30°	4049.9	4056.0	4064.4	4090.9	4062.0	4045.1	*4317.6*	4438.2	4962.7	5235.1	5406.4
32.5°	4212.7	4226.0	4271.8	4315.2	4263.4	4210.3	*4512.9*	4655.2	5200.2	5512.5	5627.0
35°	4351.4	4383.9	4471.9	4568.4	4532.2	4479.2	*4772.2*	4920.5	5395.5	5711.4	5822.3
37.5°	4519.0	4544.3	4664.9	4821.6	4854.1	4828.8	*5088.1*	5194.2	5525.7	5762.0	5928.4
40°	4689.0	4727.5	4883.1	5100.1	5224.3	5242.4	*5379.8*	5451.0	5570.3	5663.2	5907.9
42.5°	4862.6	4928.9	5142.3	5395.5	5616.1	5657.1	*5625.8*	5655.9	5555.9	5526.9	5812.7
45°	5074.8	5153.2	5394.3	5717.4	6008.0	6071.9	*5866.9*	5839.2	5553.5	5475.1	5753.6
47.5°	5325.6	5403.9	5634.2	6010.4	6381.8	6428.8	*6114.1*	6063.5	5637.9	5554.7	5833.2
50°	5547.4	5601.7	5807.9	6228.6	6730.2	6757.9	*6386.6*	6325.1	5847.6	5775.3	6081.5
52.5°	5322.0	5315.9	5533.0	6051.4	6911.1	7245.0	*6806.2*	6747.1	6252.8	6141.8	6466.2
55°	4515.3	4446.6	4640.7	5150.7	6405.9	7677.9	*7558.5*	7440.4	6792.9	6510.8	6826.7
57.5°	*3301.2*	*3281.9*	*3328.9*	*3807.6*	*5131.5*	*7007.5*	*8019.1*	*8008.3*	*7259.5*	*6848.4*	*7186.0*
60°	2581.4	2552.5	2427.1	2440.3	3497.7	5473.9	*6959.3*	7278.8	7548.9	7050.9	7436.8
62.5°	2292.0	2270.3	2205.2	2025.6	2083.4	3670.1	*5101.3*	5394.3	6596.4	6227.4	6387.8
65°	1897.8	1891.7	1946.0	1938.8	1745.9	2026.8	*2879.2*	3174.6	4147.6	4199.5	4147.6
67.5°	1379.3	1368.5	1505.9	1777.2	1680.7	1530.0	*1604.8*	1707.3	2126.9	1909.8	1719.3
70°	897.0	881.4	960.9	1284.1	1504.7	1333.5	*1156.3*	1139.4	1169.5	727.0	786.1
72.5°	601.6	583.6	582.4	706.5	909.1	898.2	*895.8*	887.4	792.1	573.9	636.6
75°	335.2	320.7	317.1	305.0	325.5	331.6	*353.3*	365.3	395.5	435.3	482.3
77.5°	56.7	55.5	69.9	89.2	123.0	157.9	*195.3*	206.2	254.4	301.4	331.6
80°	31.3	32.6	42.2	51.8	68.7	94.0	*120.6*	127.8	156.7	182.1	206.2
82.5°	16.9	16.9	21.7	27.7	37.4	49.4	*65.1*	71.1	90.4	106.1	123.0
85°	6.0	6.0	8.4	10.9	15.7	20.5	*25.3*	28.9	39.8	54.3	61.5
87.5°	0.0	0.0	0.0	0.0	1.2	2.4	*4.8*	4.8	6.0	10.9	15.7
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: P641935
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4	4574.4
2.5°	4598.5	4566.0	4610.6	4631.1	4638.3	4643.1	4611.8	4590.1	4582.9	4560.0	4546.7
5°	4615.4	4593.7	4635.9	4635.9	4605.8	4574.4	4510.5	4465.9	4434.6	4397.2	4391.2
7.5°	4644.4	4628.7	4651.6	4604.6	4528.6	4444.2	4333.3	4246.5	4176.5	4130.7	4131.9
10°	4682.9	4663.6	4645.6	4540.7	4402.0	4246.5	4076.5	3949.9	3834.1	3781.1	3752.1
12.5°	4708.3	4680.5	4604.6	4430.9	4227.2	4018.6	3778.7	3590.6	3423.0	3347.0	3341.0
15°	4739.6	4689.0	4537.0	4288.7	4005.3	3720.8	3412.1	3150.5	2923.8	2805.7	2799.6
17.5°	4780.6	4697.4	4456.3	4125.9	3771.4	3351.8	2963.6	2634.5	2393.3	2301.7	2317.4
20°	4838.5	4707.1	4364.6	3945.0	3480.9	2932.3	2448.8	2146.1	2053.3	2047.3	2035.2
22.5°	4903.6	4713.1	4263.4	3742.5	3128.8	2484.9	2023.2	1894.2	1892.9	1923.1	1930.3
25°	4977.1	4717.9	4148.8	3506.2	2747.8	2038.8	1789.3	1750.7	1780.8	1837.5	1844.7
27.5°	5071.2	4727.5	4010.2	3246.9	2342.7	1761.5	1660.2	1650.6	1686.8	1739.8	1737.4
30°	5209.8	4762.5	3863.1	2949.1	1926.7	1630.1	1581.9	1583.1	1597.6	1622.9	1626.5
32.5°	5350.9	4816.8	3719.6	2614.0	1688.0	1555.4	1533.6	1531.2	1531.2	1542.1	1544.5
35°	5484.7	4878.3	3564.0	2264.3	1572.2	1511.9	1497.5	1490.2	1486.6	1484.2	1480.6
37.5°	5559.5	4908.4	3412.1	1919.5	1510.7	1483.0	1468.5	1458.9	1445.6	1436.0	1433.6
40°	5526.9	4873.4	3236.1	1661.5	1473.4	1455.3	1438.4	1425.1	1407.1	1398.6	1393.8
42.5°	5418.4	4764.9	3044.4	1539.7	1443.2	1425.1	1404.6	1382.9	1370.9	1363.6	1362.4
45°	5303.9	4633.5	2812.9	1468.5	1414.3	1392.6	1368.5	1344.4	1331.1	1327.5	1326.3
47.5°	5300.3	4568.4	2566.9	1411.9	1379.3	1357.6	1327.5	1303.4	1288.9	1284.1	1279.2
50°	5459.4	4634.7	2289.6	1362.4	1343.1	1320.2	1286.5	1260.0	1241.9	1235.8	1234.6
52.5°	5789.8	4884.3	2041.2	1313.0	1294.9	1268.4	1240.7	1214.1	1192.4	1181.6	1180.4
55°	6146.7	5201.4	1886.9	1262.4	1238.3	1215.3	1190.0	1161.1	1137.0	1120.1	1117.7
57.5°	*6515.6*	*5547.4*	*1839.9*	*1198.5*	*1180.4*	*1164.7*	*1134.6*	*1103.2*	*1075.5*	*1059.8*	*1056.2*
60°	6819.4	5845.2	1927.9	1130.9	1121.3	1100.8	1073.1	1042.9	1023.6	1011.6	1009.2
62.5°	5709.0	4758.9	1556.6	1057.4	1057.4	1035.7	1004.3	982.6	969.4	960.9	958.5
65°	3623.1	2946.7	1062.2	983.9	982.6	953.7	927.2	912.7	906.7	893.4	891.0
67.5°	1578.3	1346.8	907.9	909.1	904.3	872.9	846.4	835.5	823.5	809.0	807.8
70°	818.7	834.3	812.6	825.9	817.5	780.1	754.8	737.9	712.6	698.1	699.3
72.5°	660.7	677.6	701.7	722.2	704.1	674.0	634.2	613.7	581.1	565.5	566.7
75°	504.0	522.1	545.0	566.7	552.2	514.8	489.5	469.0	431.6	413.6	417.2
77.5°	347.2	356.9	384.6	383.4	378.6	367.7	330.4	306.2	267.7	246.0	248.4
80°	215.8	221.8	235.1	241.1	238.7	224.3	194.1	176.0	153.1	139.9	141.1
82.5°	130.2	133.8	145.9	147.1	145.9	135.0	112.1	98.9	84.4	77.2	77.2
85°	66.3	68.7	76.0	76.0	68.7	57.9	51.8	45.8	37.4	33.8	33.8
87.5°	18.1	18.1	22.9	19.3	15.7	14.5	7.2	6.0	2.4	1.2	1.2
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

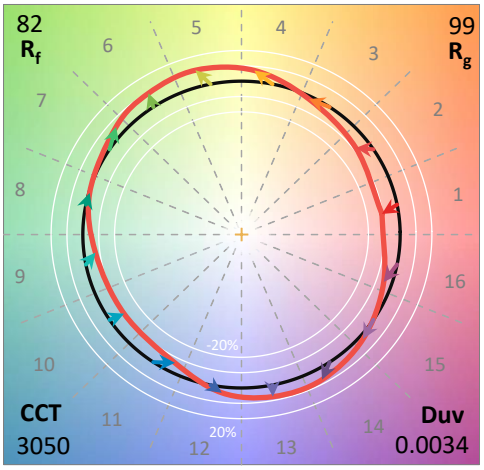
Test Information

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

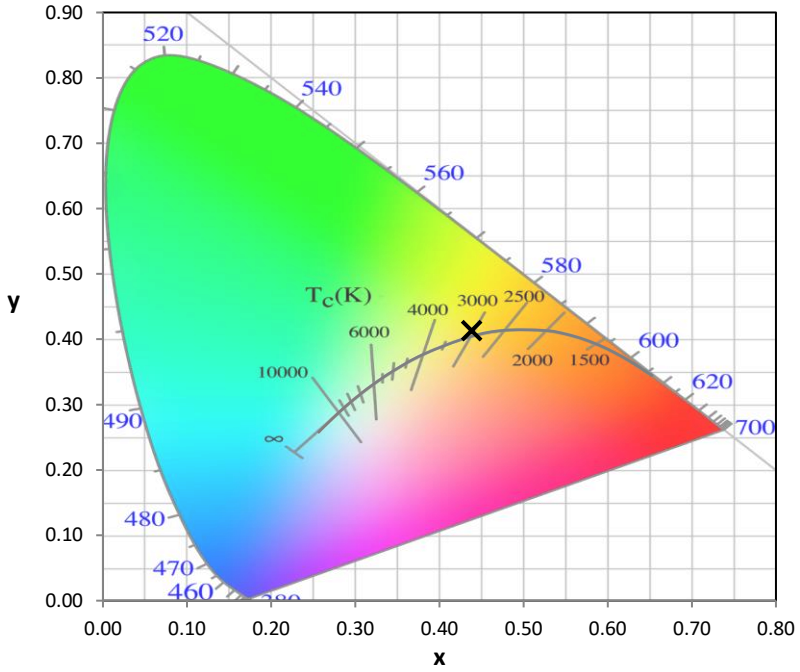
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

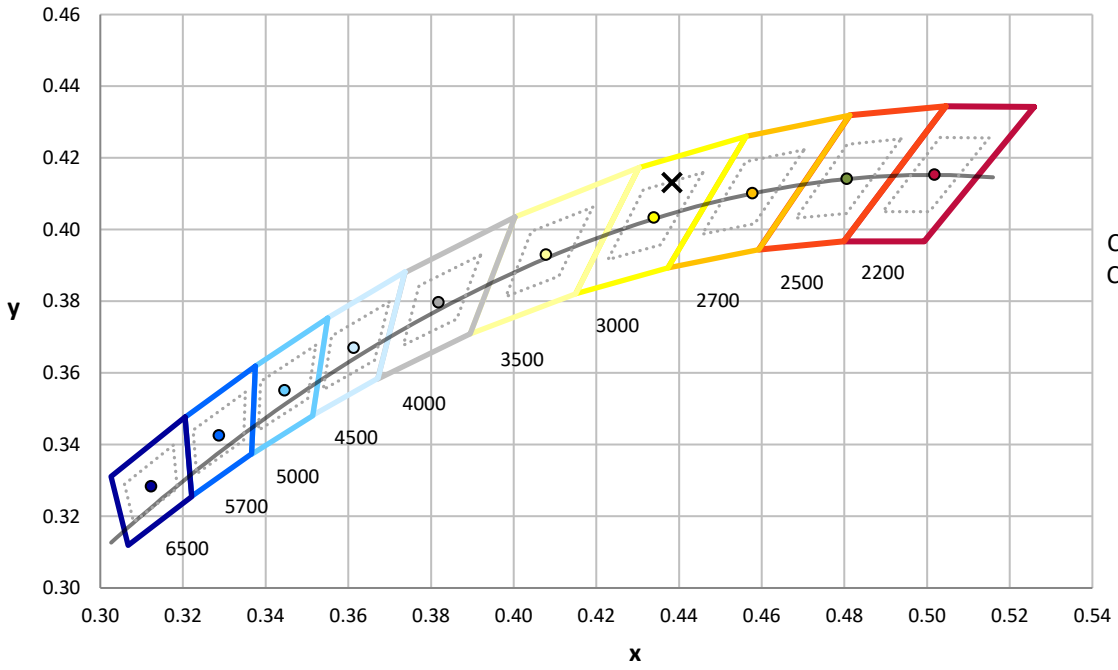
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

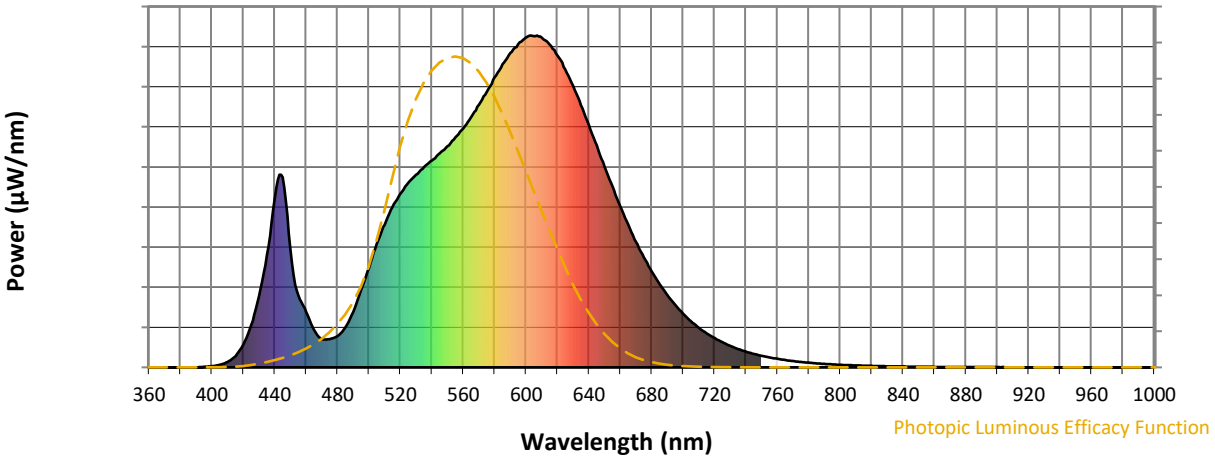


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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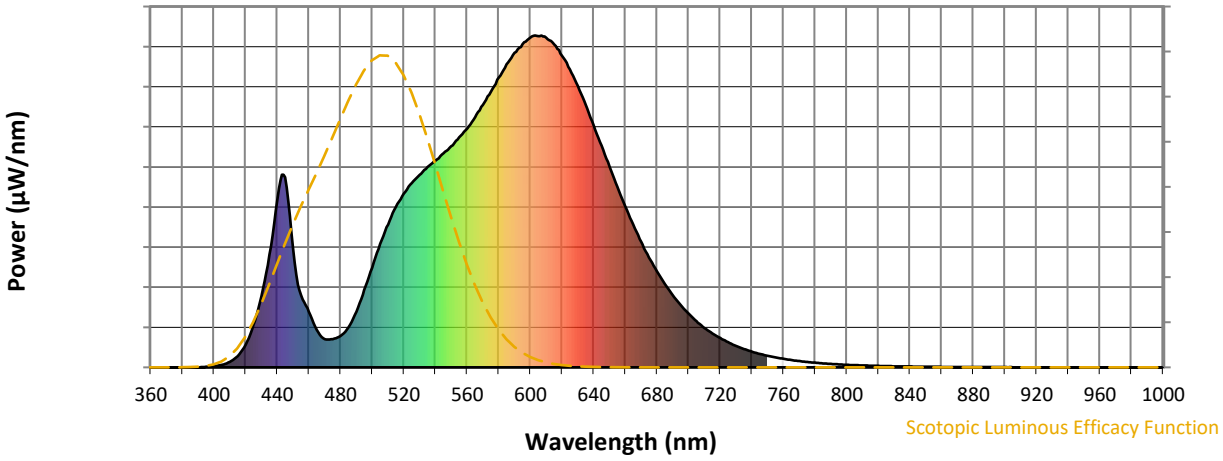
Scotopic Flux vs. Wavelength



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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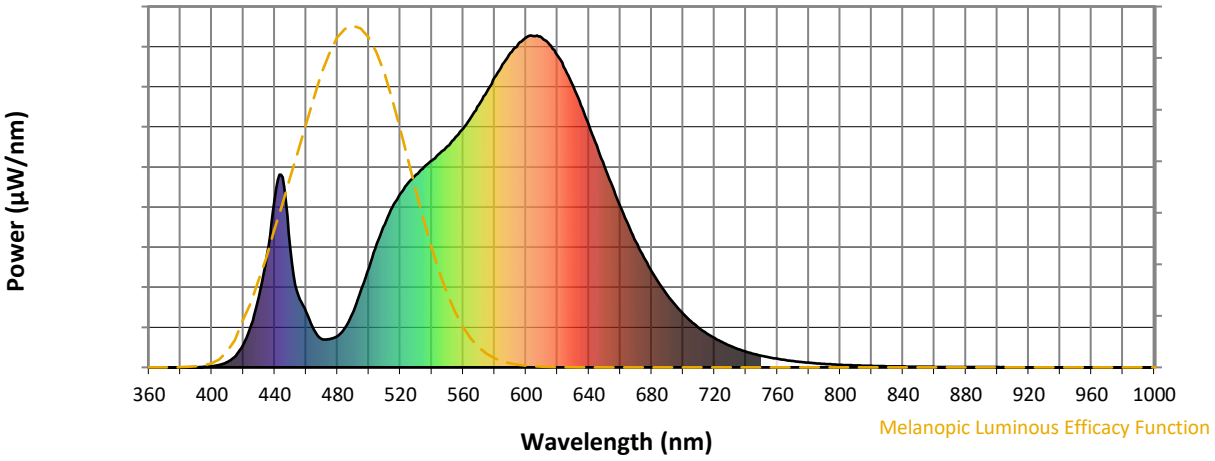
Melanopic Flux vs. Wavelength



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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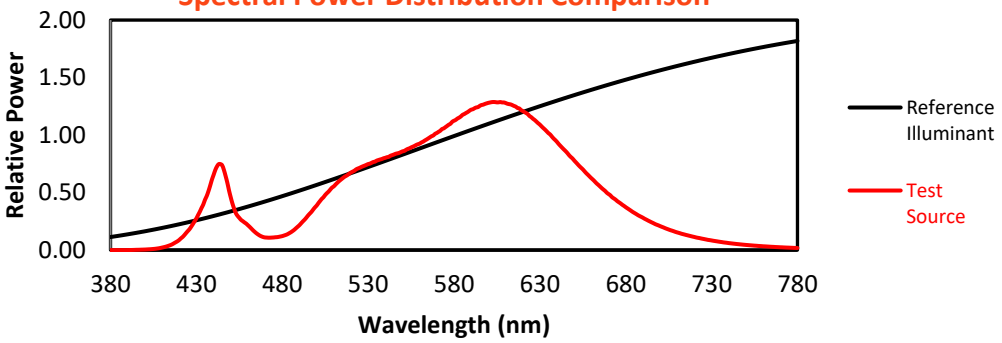
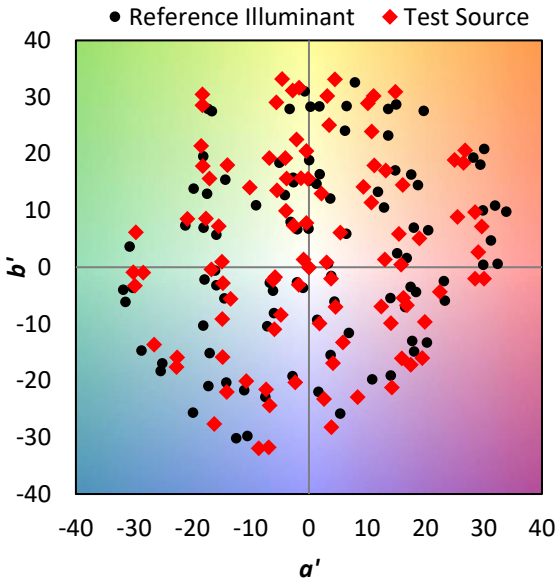
Summary

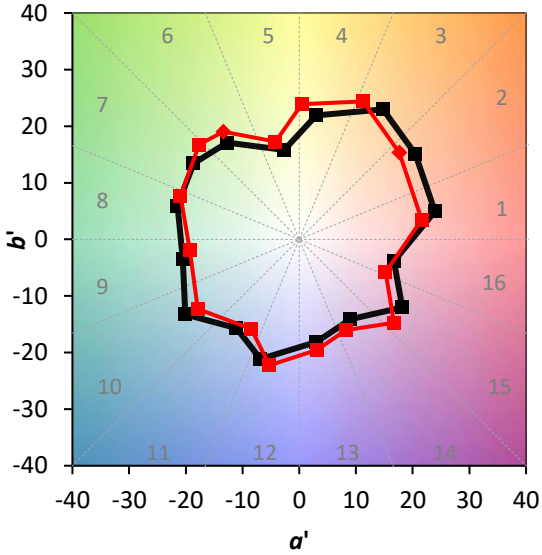
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

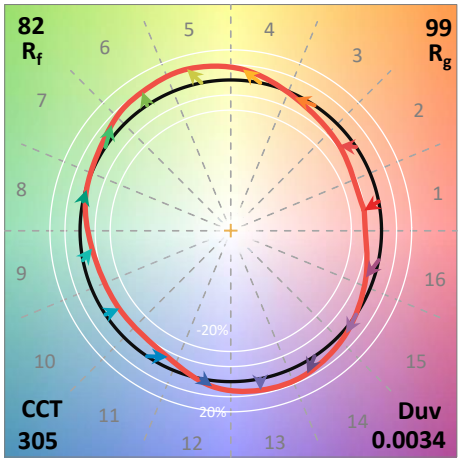
Spectral Power Distribution Comparison

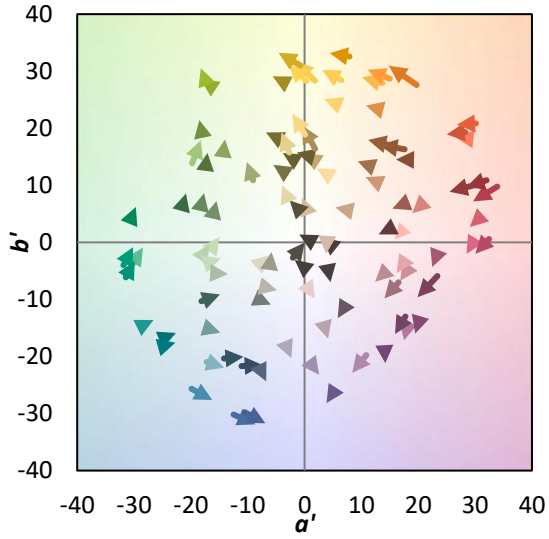


Color Vector Graphics









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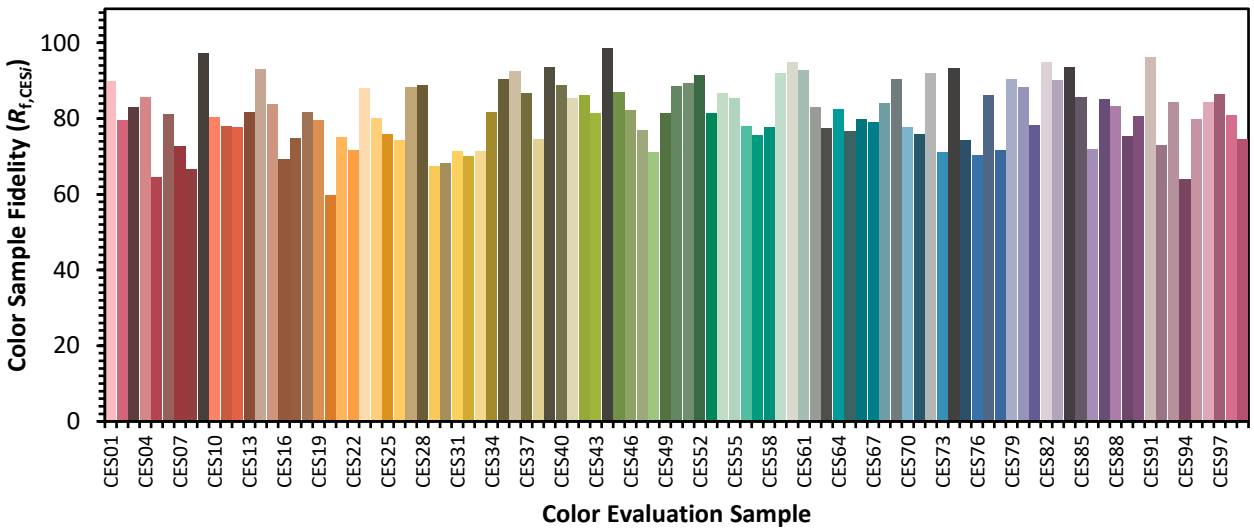
Individual Sample Fidelity Index ($R_{f,i}$)

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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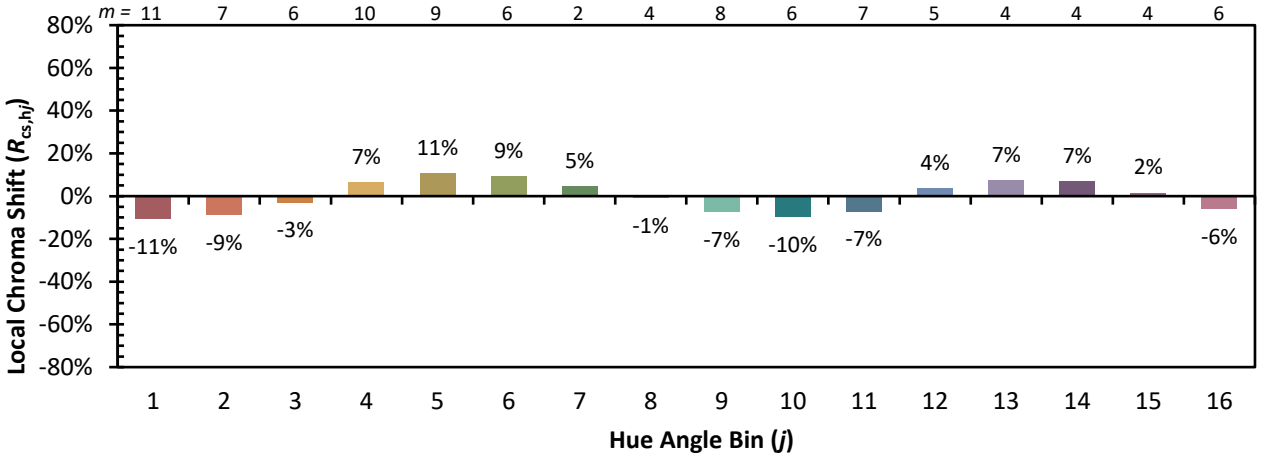
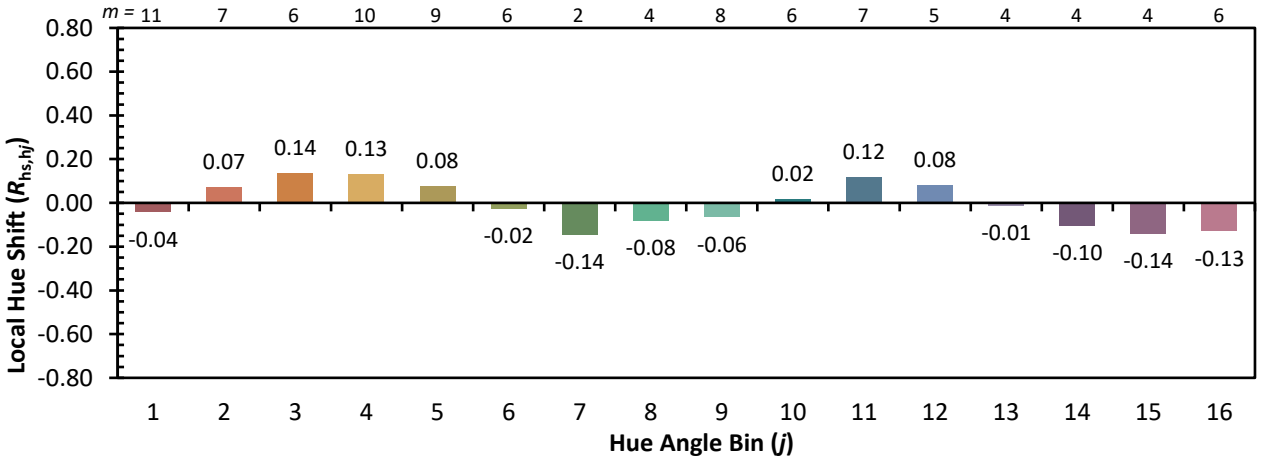
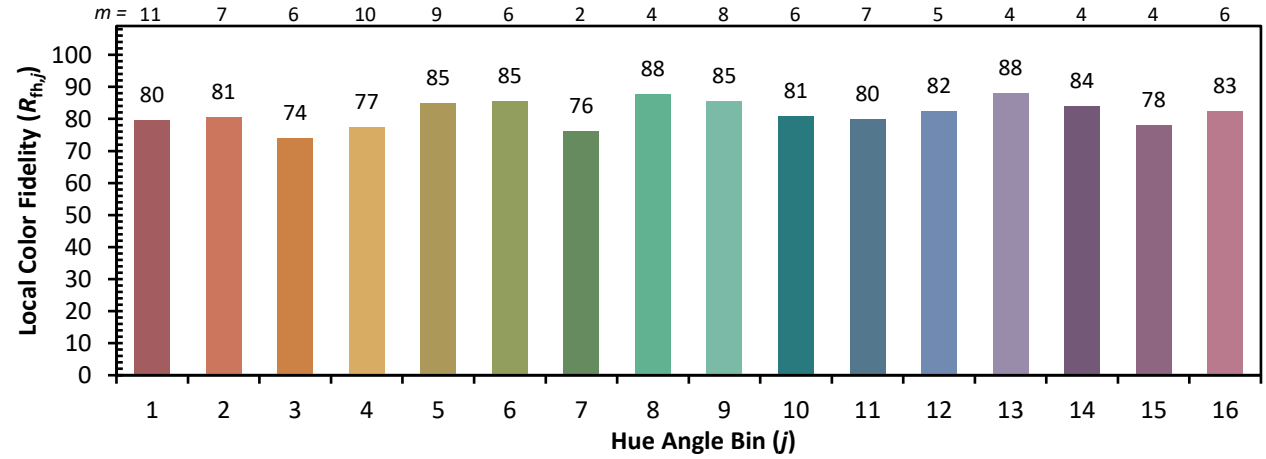
Color Rendition by Hue-Angle Bin







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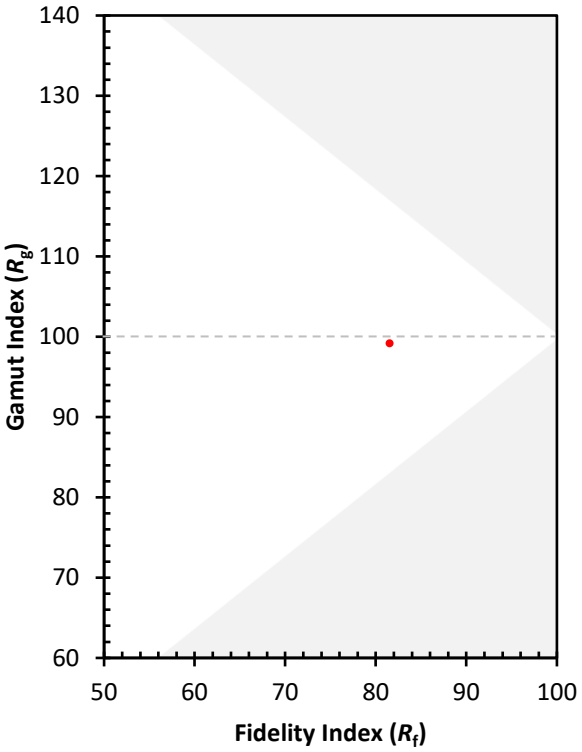
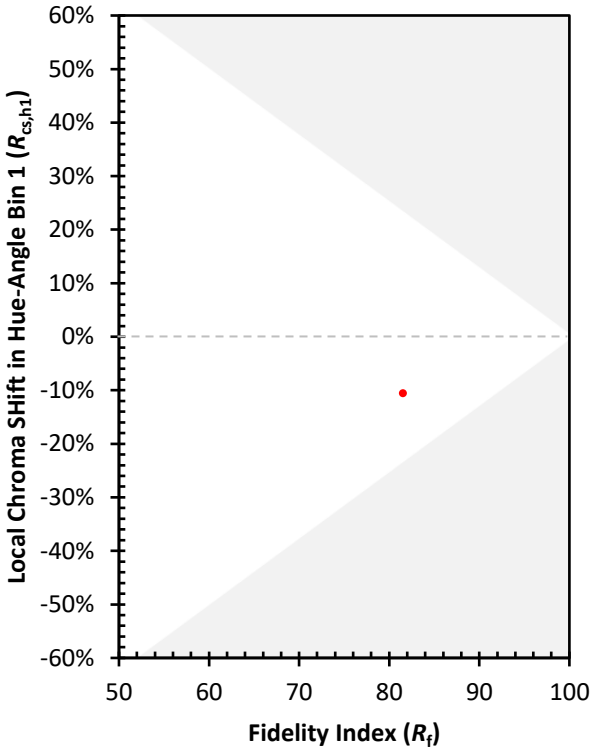
Measure Comparisons





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