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: P641930

Luminaire Tested: GWS-SA6B-830-U-AFL-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:	P641930
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-AFL-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17127.3 lumens
Efficiency:	N/A
Efficacy:	123.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - 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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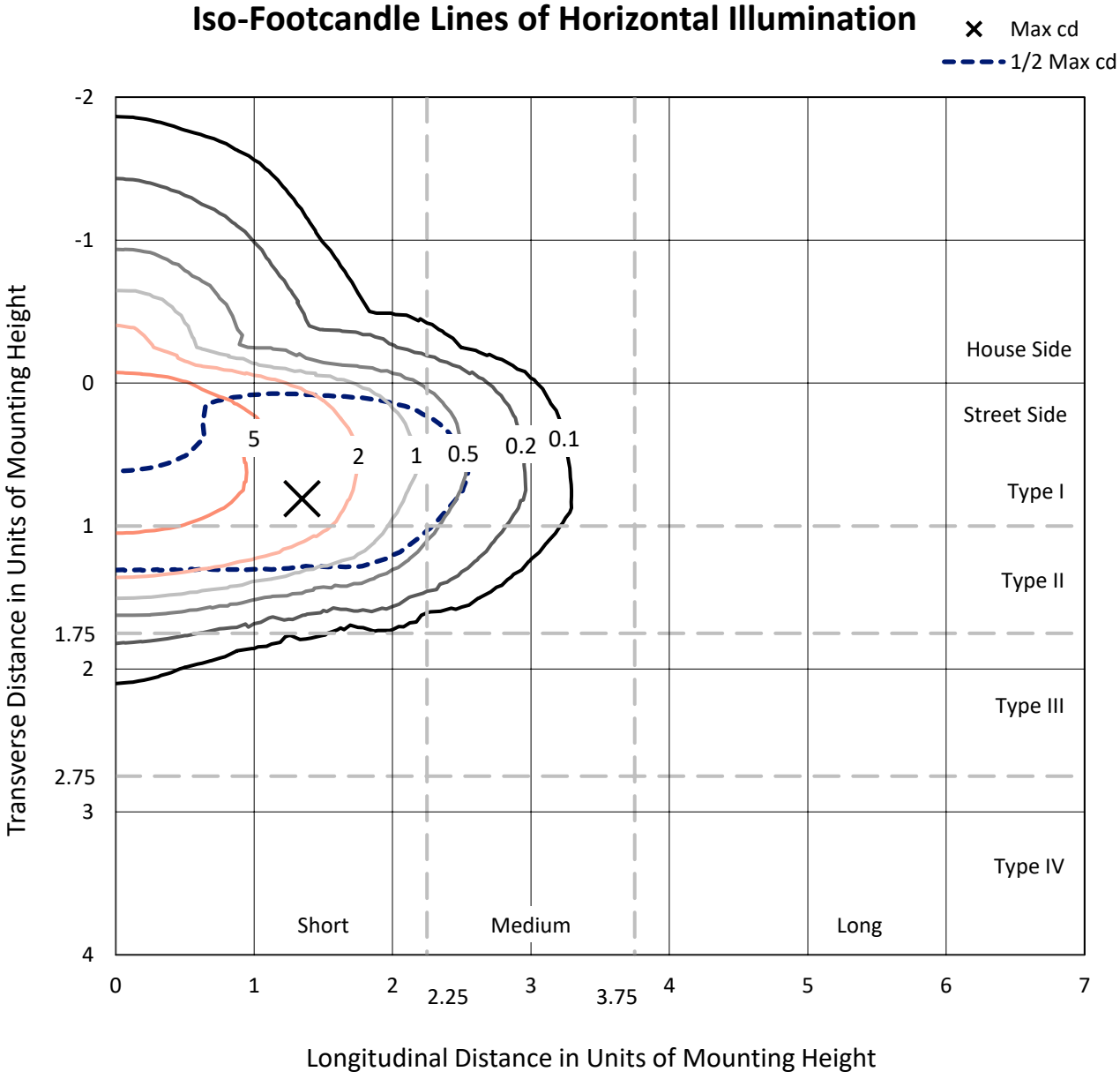
Scaled Data Report

REPORT NUMBER: P641930
CATALOG NUMBER: GWS-SA6B-830-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type II - Short - N/A

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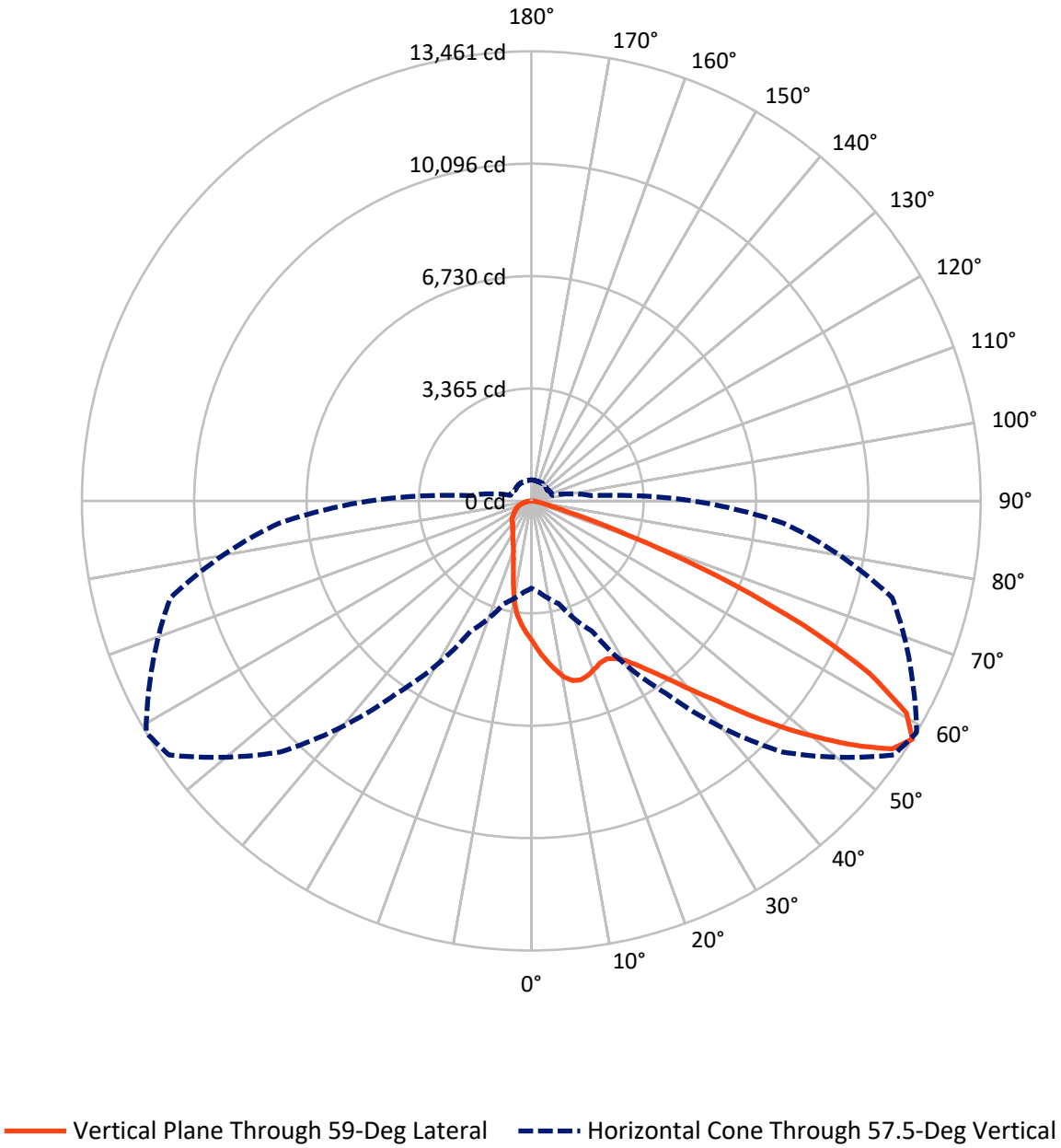
Luminous Intensity Polar Plot



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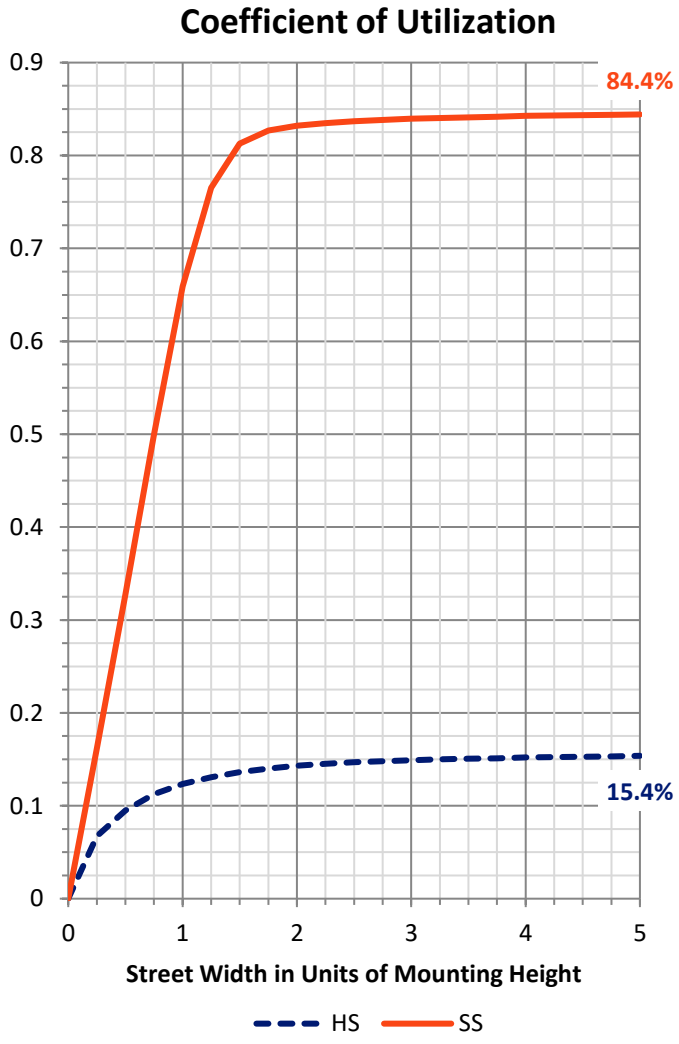
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2658.1	0.0	2658.1
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	14469.2	0.0	14469.2
	% Fixture	84.5	0.0	84.5
Total	Lumens	17127.3	0.0	17127.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.4	2.3
10°-20°	989.2	5.8
20°-30°	1603.6	9.4
30°-40°	2579.6	15.1
40°-50°	4005.8	23.4
50°-60°	4314.8	25.2
60°-70°	2504.1	14.6
70°-80°	653.7	3.8
80°-90°	86.1	0.5
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°	17127.3	100.0
0°-180°	17127.3	100.0



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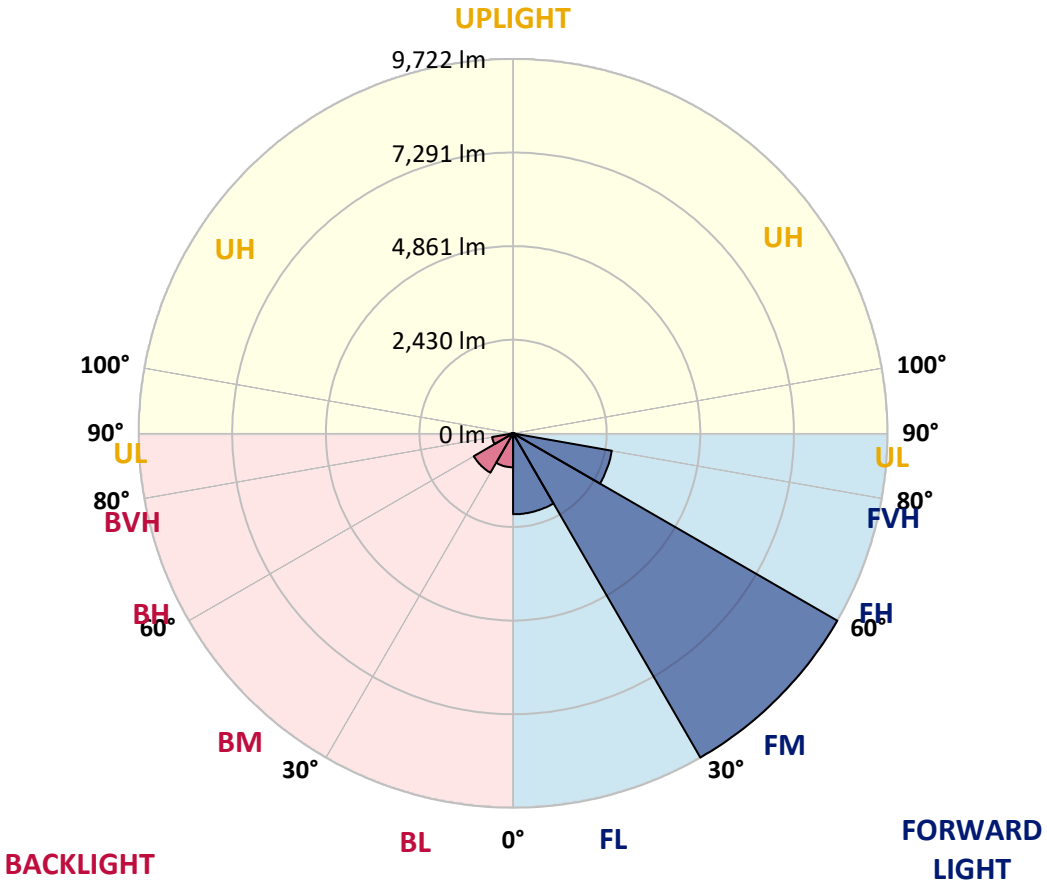
REPORT NUMBER: P641930
CATALOG NUMBER: GWS-SA6B-830-U-AFL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2101.4	12.3			
FM	(30°-60°)	9721.7	56.8			
FH	(60°-80°)	2605.0	15.2			G2/5000
FVH	(80°-90°)	41.2	0.2			G1/100
BL	(0°-30°)	881.8	5.1	B2/1000		
BM	(30°-60°)	1178.5	6.9	B2/2500		
BH	(60°-80°)	552.9	3.2	B2/1000		G2/1000
BVH	(80°-90°)	44.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P641930
CATALOG NUMBER: GWS-SA6B-830-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4
2.5°	4768.7	4728.9	4756.6	4707.2	4686.7	4632.4	4562.5	4515.5	4443.1	4349.1	4267.1
5°	5242.6	5214.8	5220.8	5167.8	5120.8	5030.3	4886.9	4807.3	4684.3	4495.0	4319.0
7.5°	5228.1	5260.6	5278.7	5324.5	5337.8	5329.4	5200.3	5089.4	4954.4	4669.8	4404.6
10°	4686.7	4748.2	4803.7	4960.4	5150.9	5392.1	5422.2	5355.9	5219.6	4892.9	4507.1
12.5°	4097.1	4144.1	4193.6	4381.7	4673.4	5155.7	5482.5	5523.5	5469.2	5113.5	4622.8
15°	3807.7	3829.4	3876.4	4000.6	4233.3	4768.7	5377.6	5557.2	5654.9	5347.4	4753.0
17.5°	3795.7	3805.3	3828.2	3894.5	4056.1	4469.7	5188.3	5489.7	5800.8	5594.6	4904.9
20°	4045.3	4019.9	4005.5	4004.3	4083.8	4369.6	5005.0	5381.2	5869.5	5847.8	5067.7
22.5°	4391.3	4399.7	4368.4	4291.2	4281.6	4440.7	4913.4	5271.5	5890.0	6072.1	5218.4
25°	4882.0	4924.2	4831.4	4684.3	4611.9	4646.9	4970.1	5237.7	5887.6	6259.0	5312.5
27.5°	5454.8	5487.3	5393.3	5200.3	5050.8	4966.4	5138.9	5337.8	5908.1	6420.6	5369.2
30°	6107.1	6117.9	5988.9	5786.3	5568.1	5387.2	5419.8	5544.0	6013.0	6632.8	5435.5
32.5°	6904.1	6949.9	6754.5	6433.8	6128.8	5897.3	5797.2	5876.8	6239.7	6883.6	5538.0
35°	7915.7	7931.3	7683.0	7223.6	6791.9	6471.2	6261.4	6303.6	6584.5	7234.4	5692.3
37.5°	8869.4	8885.1	8621.0	8194.2	7576.9	7138.0	6834.1	6814.8	7025.8	7730.0	5944.3
40°	9474.7	9519.3	9401.1	9133.5	8543.9	7951.8	7539.5	7473.2	7604.6	8336.5	6295.2
42.5°	9800.2	9819.5	9817.1	9852.1	9501.2	8912.8	8335.3	8202.6	8290.7	8991.2	6649.6
45°	9802.7	9850.9	9979.9	10316.3	10332.0	9965.4	9340.9	9133.5	9052.7	9650.7	7019.8
47.5°	9363.8	9415.6	9770.1	10432.0	10920.4	11003.6	10545.4	10129.4	9789.4	10218.6	7323.7
50°	8035.0	8165.3	8840.5	10011.2	11036.1	11835.5	11694.5	11130.2	10444.1	10657.5	7514.2
52.5°	6881.1	6876.3	7292.3	8822.4	10552.6	12202.1	12806.1	12159.9	11091.6	10936.0	7562.4
55°	5038.8	5066.5	5492.1	6747.3	9262.5	11847.6	13417.5	13107.6	11834.3	11084.4	7543.1
57.5°	2612.8	2750.3	3186.8	4305.7	7037.9	10627.4	13254.7	13460.9	12589.1	11189.3	7568.4
60°	1320.3	1293.8	1450.5	2055.8	4077.8	8300.3	12251.5	12908.6	12725.4	11271.2	7584.1
62.5°	881.4	874.2	830.8	952.5	1666.3	4915.8	10444.1	11365.3	11778.9	11078.3	7383.9
65°	763.2	748.8	669.2	664.4	809.1	2038.9	7655.2	8934.5	9735.1	10221.0	6905.3
67.5°	687.3	665.6	584.8	545.0	581.2	895.9	4314.1	5992.5	7188.6	8643.9	5856.3
70°	613.7	602.9	522.1	464.2	460.6	546.2	1589.2	3092.7	4398.5	5897.3	4281.6
72.5°	549.8	530.5	461.8	406.3	378.6	387.0	689.7	1191.3	2276.4	3678.7	2561.0
75°	476.3	461.8	401.5	346.0	312.3	283.3	420.8	551.0	1038.1	1748.3	1209.4
77.5°	367.8	358.1	317.1	274.9	255.6	211.0	255.6	347.3	479.9	736.7	629.4
80°	213.4	219.4	236.3	214.6	188.1	150.7	166.4	200.2	288.2	399.1	356.9
82.5°	107.3	114.5	153.1	124.2	112.1	88.0	98.9	118.2	150.7	220.7	139.9
85°	8.4	8.4	27.7	31.3	38.6	31.3	39.8	48.2	68.7	88.0	47.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	6.0	10.9	20.5	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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REPORT NUMBER: P641930
CATALOG NUMBER: GWS-SA6B-830-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4	4204.4
2.5°	4211.6	4150.2	4076.6	4016.3	3923.5	3874.0	3811.3	3734.2	3702.8	3688.4	3679.9
5°	4220.1	4111.6	3954.8	3810.1	3649.8	3523.2	3382.1	3235.0	3150.6	3130.1	3115.6
7.5°	4251.4	4099.5	3849.9	3611.2	3313.4	3037.3	2768.4	2501.9	2365.7	2313.8	2309.0
10°	4294.8	4094.7	3743.8	3347.1	2844.3	2407.9	2093.2	1884.6	1796.6	1767.6	1758.0
12.5°	4349.1	4091.1	3604.0	2980.6	2303.0	1890.6	1710.9	1677.2	1689.2	1686.8	1686.8
15°	4417.8	4095.9	3435.1	2565.8	1862.9	1641.0	1644.6	1684.4	1721.8	1727.8	1727.8
17.5°	4492.6	4091.1	3190.4	2149.8	1598.8	1581.9	1637.4	1692.9	1726.6	1731.4	1731.4
20°	4573.4	4068.2	2881.7	1758.0	1483.1	1544.6	1604.8	1648.2	1668.7	1673.6	1673.6
22.5°	4621.6	4003.1	2546.5	1487.9	1409.5	1485.5	1525.3	1569.9	1572.3	1533.7	1532.5
25°	4614.4	3881.3	2164.3	1314.3	1331.1	1397.5	1448.1	1416.7	1378.2	1356.5	1352.8
27.5°	4568.5	3698.0	1774.8	1182.8	1238.3	1313.0	1297.4	1270.8	1261.2	1237.1	1234.7
30°	4510.7	3472.5	1425.2	1080.3	1141.8	1210.6	1186.4	1184.0	1174.4	1147.9	1147.9
32.5°	4455.2	3239.8	1161.1	1004.4	1080.3	1085.2	1118.9	1121.3	1116.5	1070.7	1065.9
35°	4439.5	3007.1	982.7	944.1	1020.1	1017.6	1065.9	1064.7	981.5	917.6	916.4
37.5°	4486.6	2770.8	876.6	894.7	936.9	968.2	1006.8	936.9	909.1	870.5	868.1
40°	4586.6	2552.5	822.3	865.7	883.8	929.6	869.3	874.2	866.9	838.0	834.4
42.5°	4719.3	2366.9	792.2	856.1	853.7	865.7	799.4	818.7	829.5	807.8	804.2
45°	4847.1	2205.3	776.5	819.9	832.0	762.0	748.8	766.8	783.7	775.3	771.7
47.5°	4941.1	2065.4	768.1	770.5	804.2	727.1	705.4	713.8	734.3	737.9	736.7
50°	4970.1	1946.1	758.4	729.5	722.2	692.1	675.2	672.8	696.9	713.8	716.2
52.5°	4914.6	1840.0	733.1	693.3	658.3	663.2	657.1	645.1	669.2	692.1	694.5
55°	4832.6	1779.7	693.3	658.3	617.3	636.6	639.0	628.2	643.9	659.5	659.5
57.5°	*4838.6*	*1814.6*	*654.7*	*625.8*	*581.2*	*606.5*	*619.7*	*614.9*	*614.9*	*627.0*	*628.2*
60°	4878.4	1865.3	629.4	584.8	545.0	571.5	601.7	596.8	586.0	601.7	601.7
62.5°	4763.9	1797.8	612.5	545.0	506.4	537.8	573.9	571.5	559.5	584.8	587.2
65°	4426.3	1616.9	593.2	495.6	467.8	504.0	535.3	543.8	532.9	566.7	572.7
67.5°	3710.1	1360.1	555.8	448.5	429.2	463.0	493.1	505.2	496.8	536.6	541.4
70°	2766.0	1100.8	496.8	396.7	382.2	412.4	440.1	444.9	446.1	493.1	498.0
72.5°	1764.0	856.1	418.4	338.8	328.0	350.9	371.4	390.7	399.1	443.7	442.5
75°	983.9	636.6	336.4	287.0	267.7	285.8	309.9	332.8	356.9	422.0	429.2
77.5°	566.7	447.3	266.5	230.3	207.4	226.7	247.2	279.7	352.1	408.7	401.5
80°	319.5	290.6	201.4	168.8	154.3	168.8	184.5	246.0	277.3	301.4	305.1
82.5°	149.5	162.8	137.5	103.7	103.7	113.3	127.8	190.5	209.8	171.2	149.5
85°	54.3	73.6	67.5	53.1	47.0	45.8	79.6	108.5	67.5	60.3	51.8
87.5°	14.5	20.5	19.3	13.3	7.2	6.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

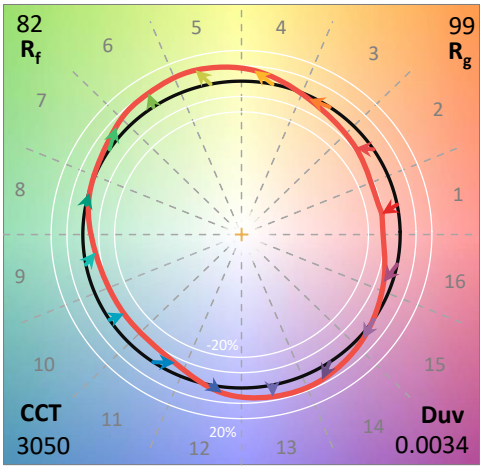
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

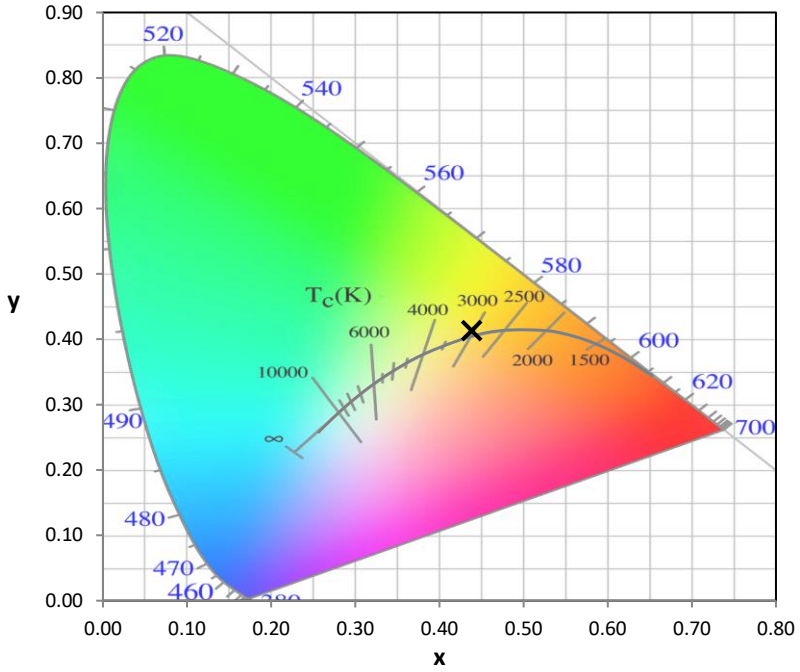
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

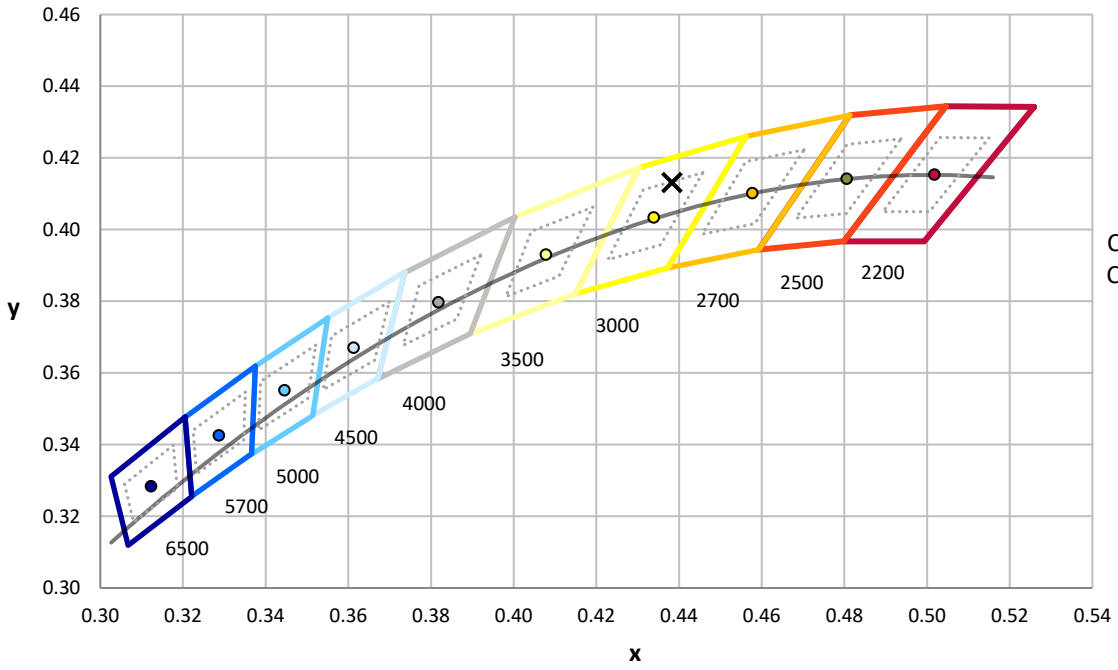
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

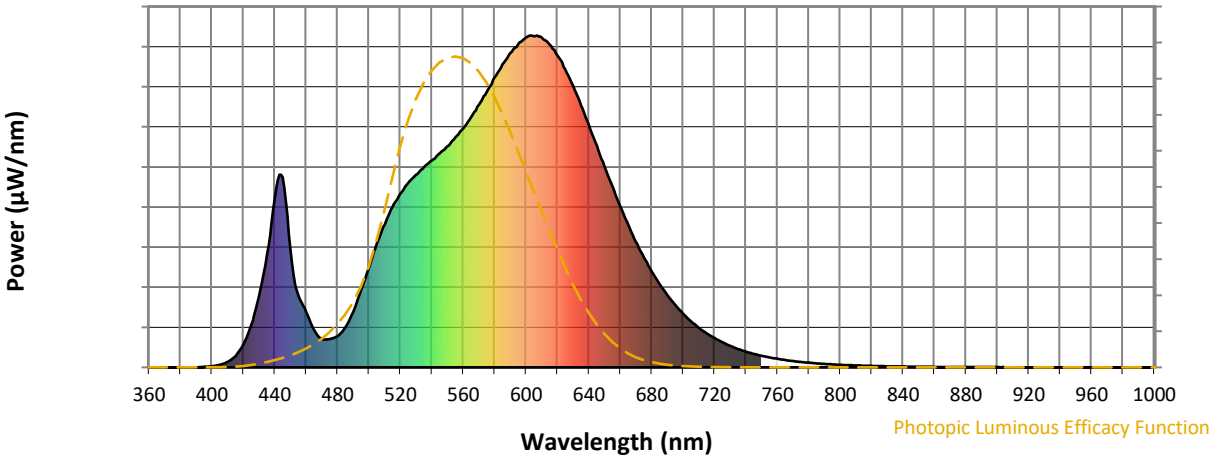


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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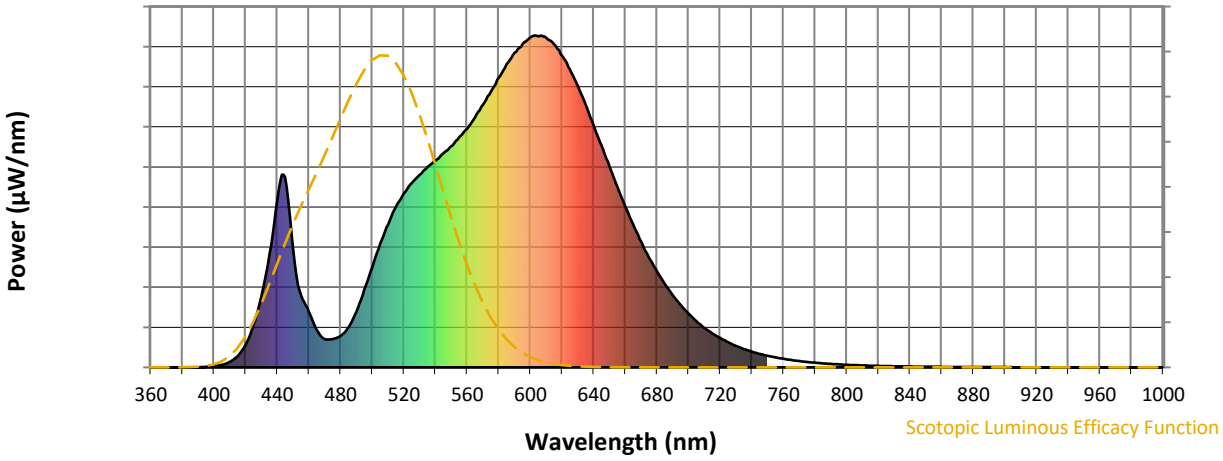
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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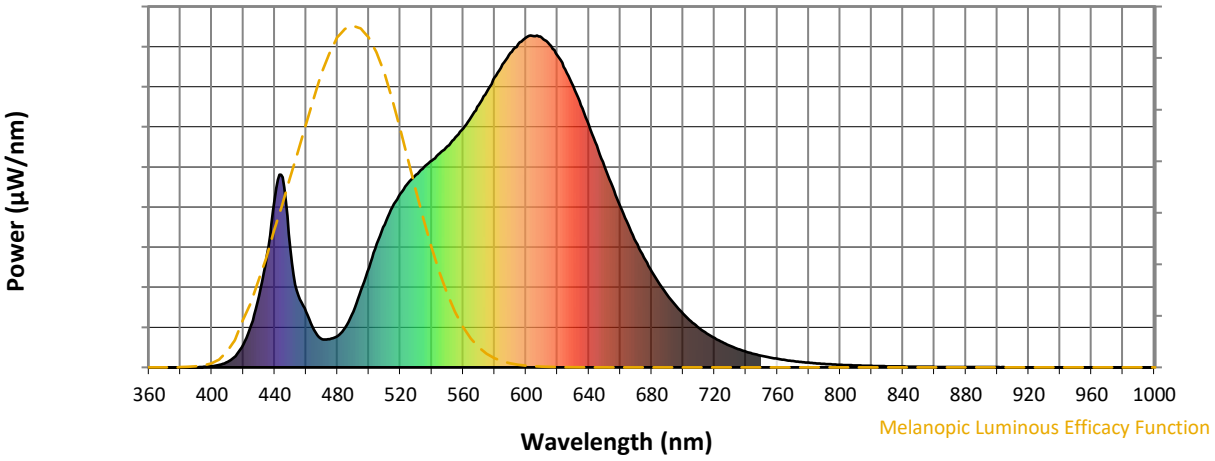
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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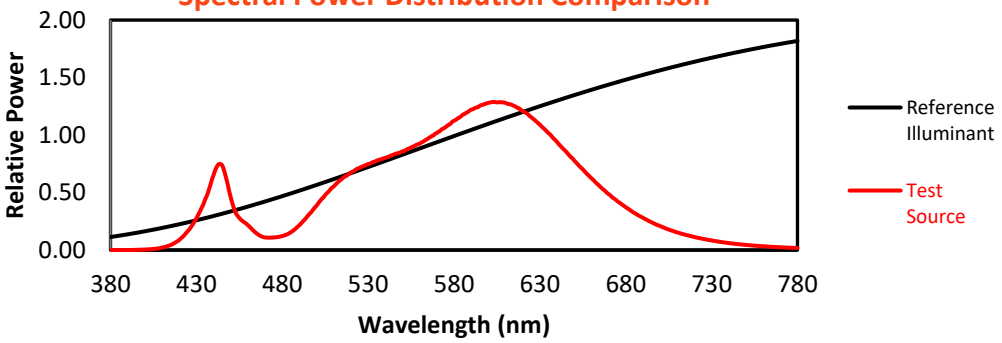
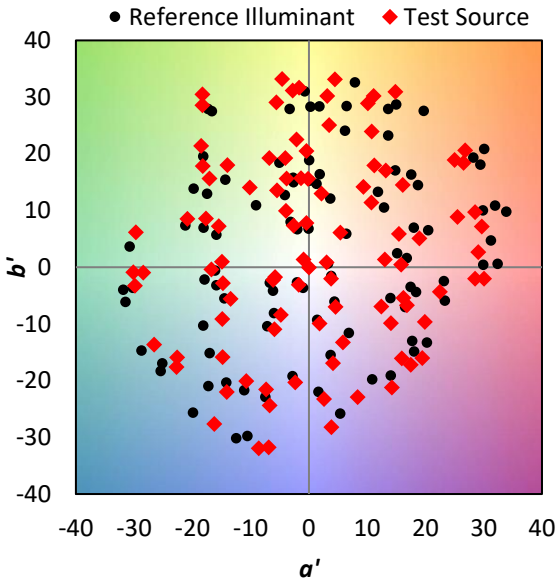
Summary

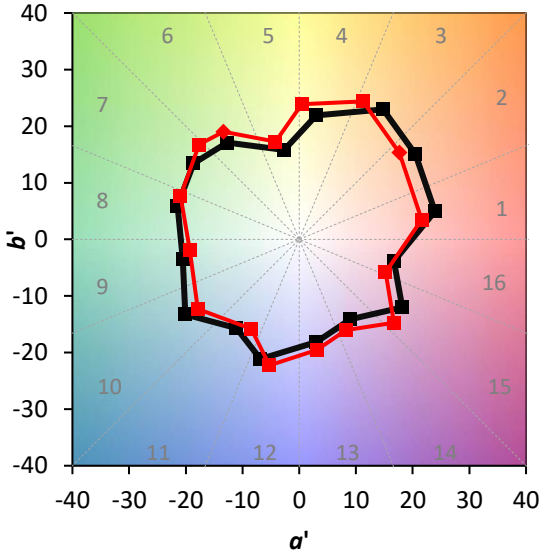
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

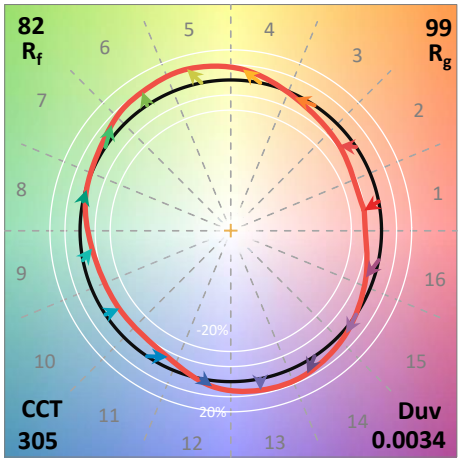
Spectral Power Distribution Comparison

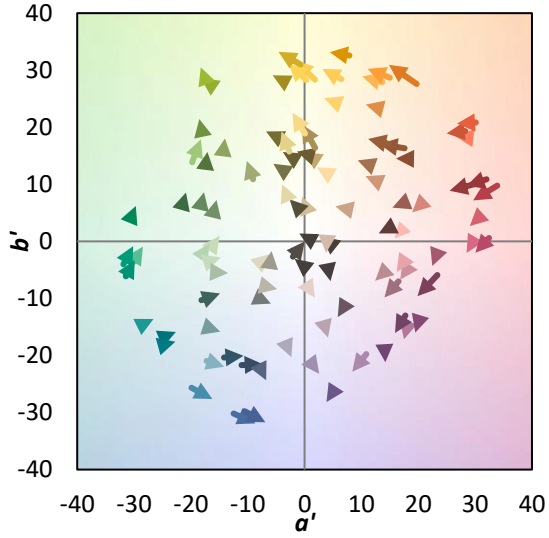


Color Vector Graphics









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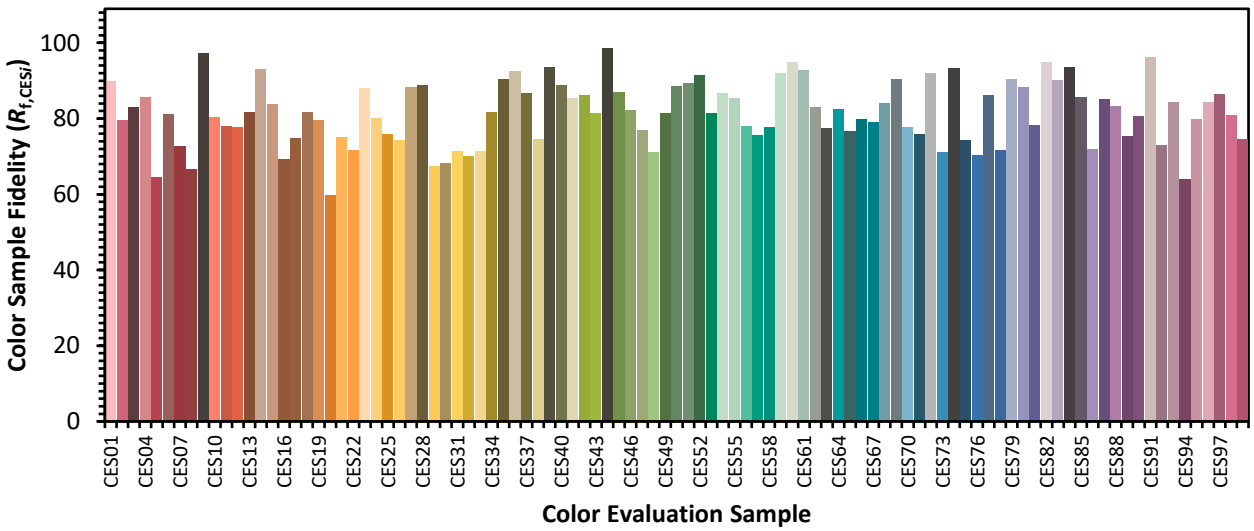
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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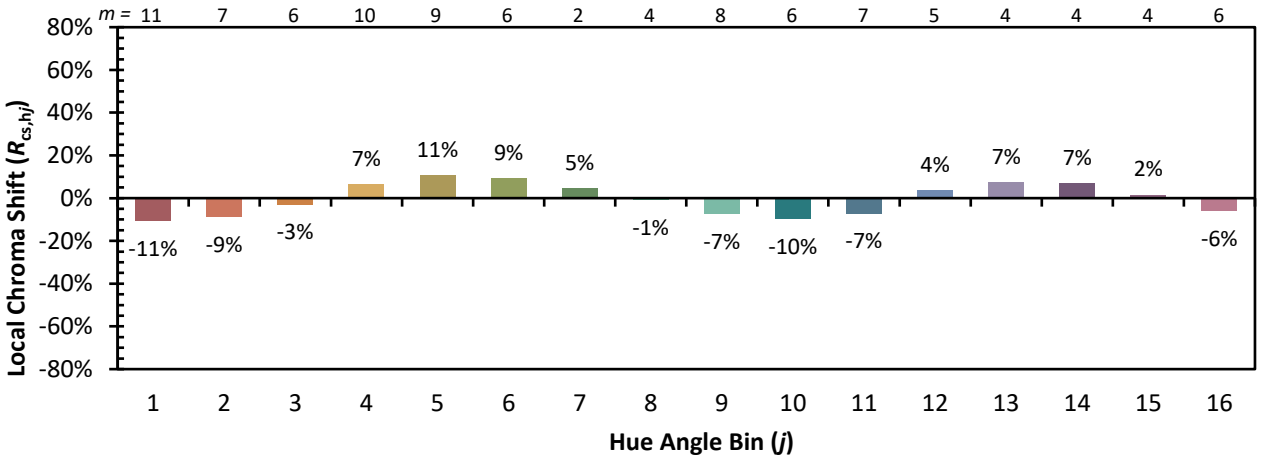
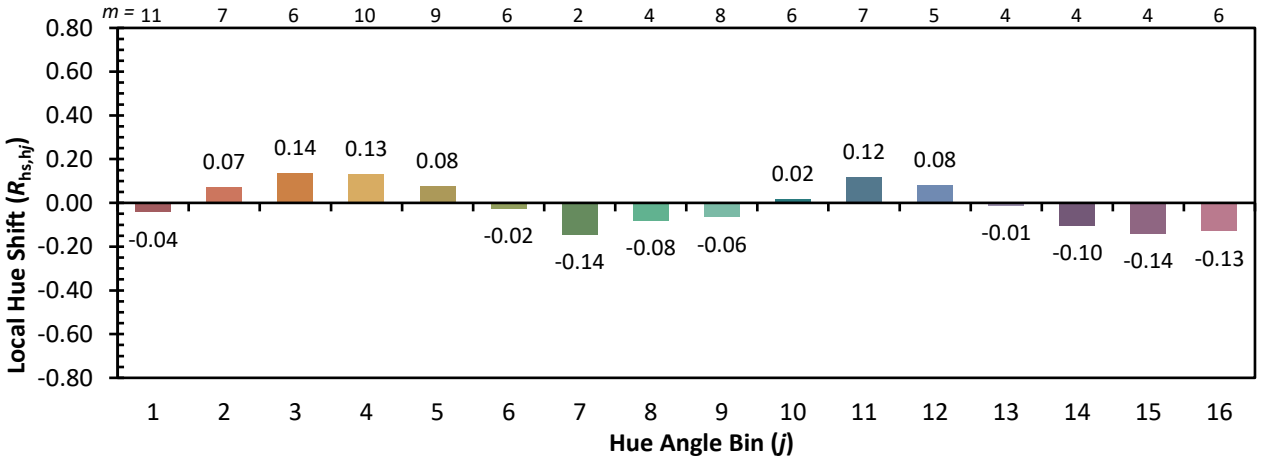
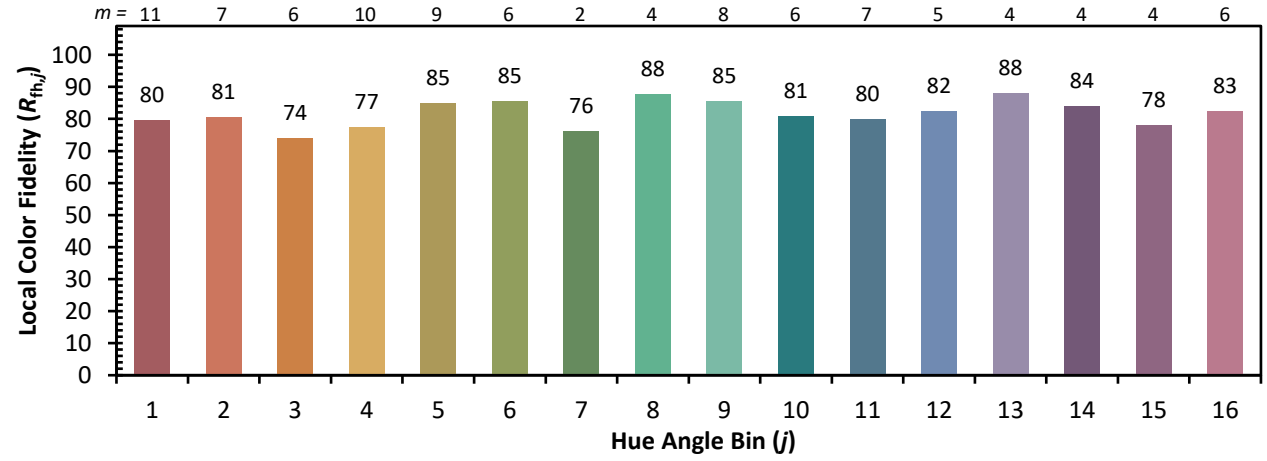
Color Rendition by Hue-Angle Bin







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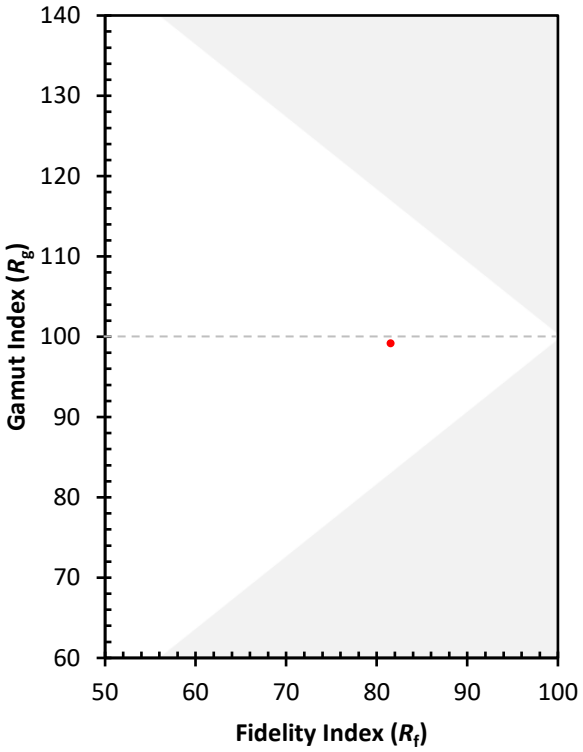
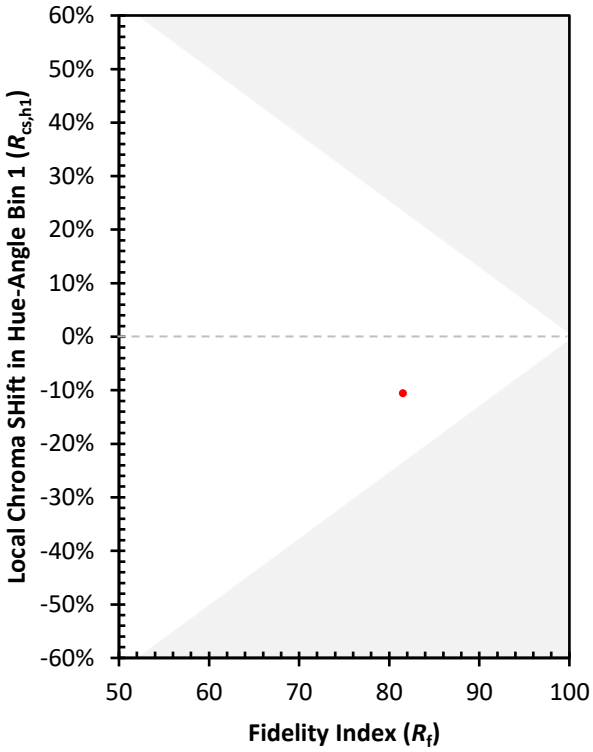
Measure Comparisons





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