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: P643938

Luminaire Tested: GWS-SA6F-830-U-T2R-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:	P643938
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-T2R-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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:	34796.4 lumens
Efficiency:	N/A
Efficacy:	93.4 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):	372.6
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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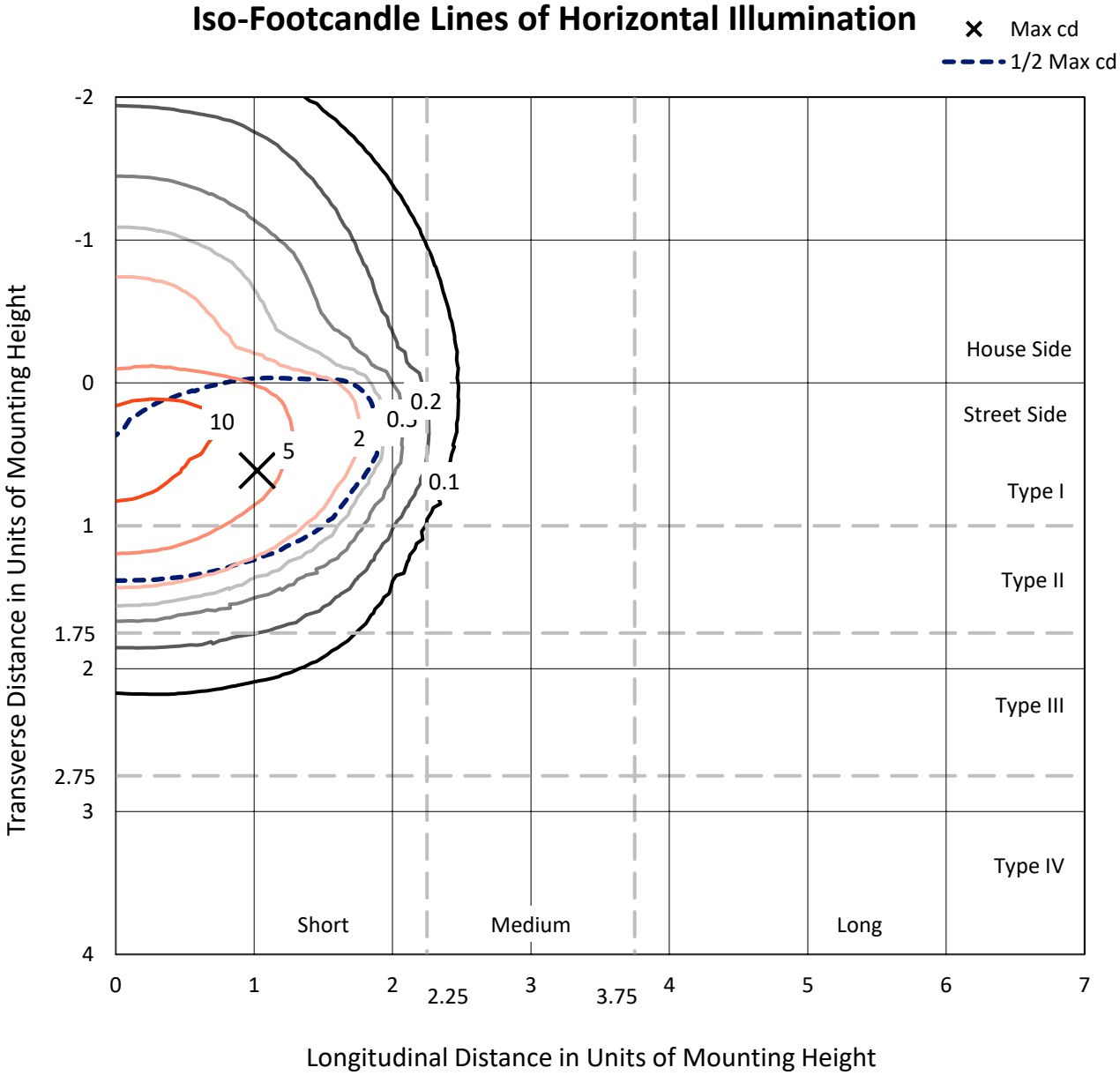
Scaled Data Report

REPORT NUMBER: P643938
CATALOG NUMBER: GWS-SA6F-830-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 11.6 fc
Type II - Short - N/A

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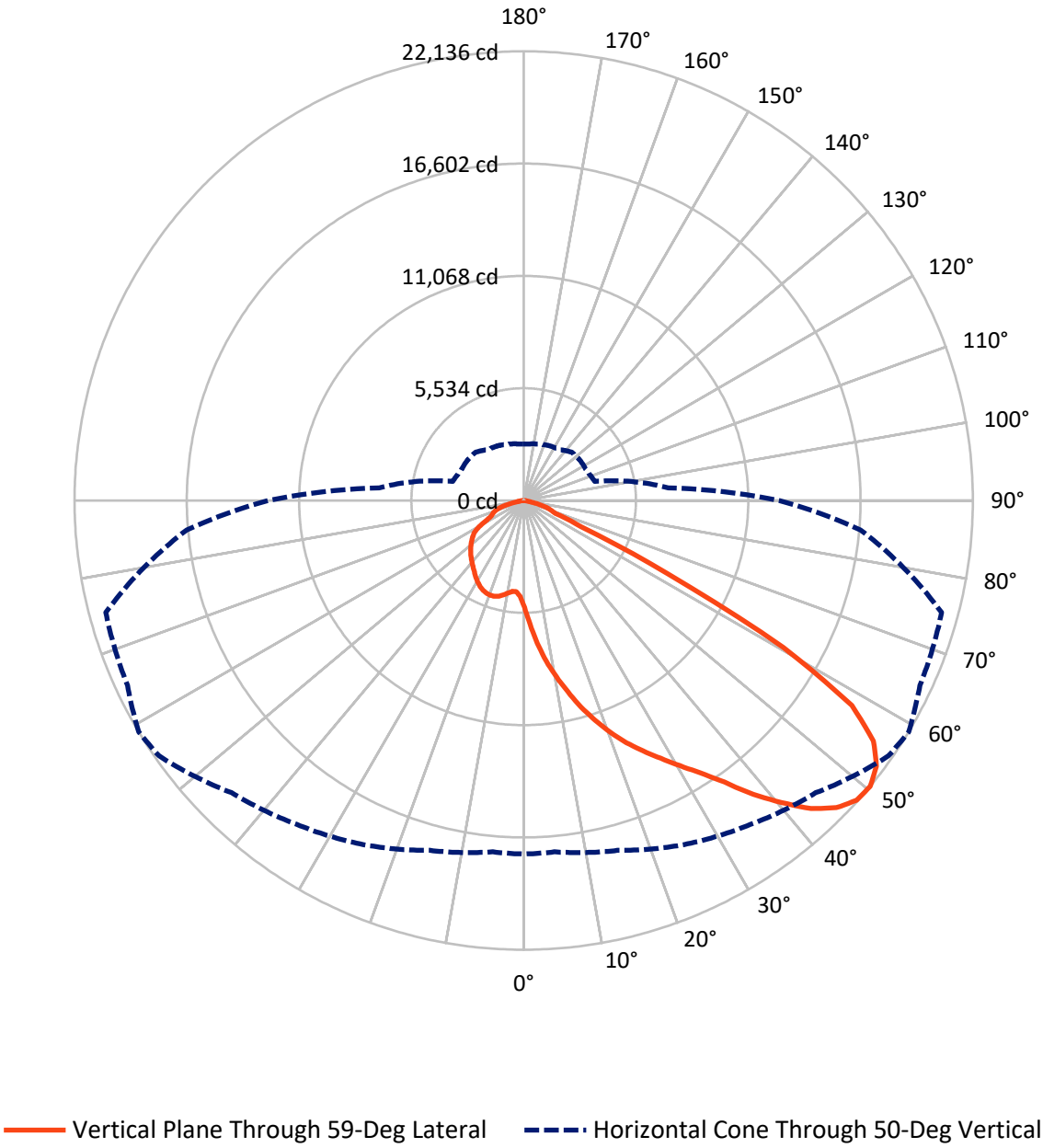
Luminous Intensity Polar Plot



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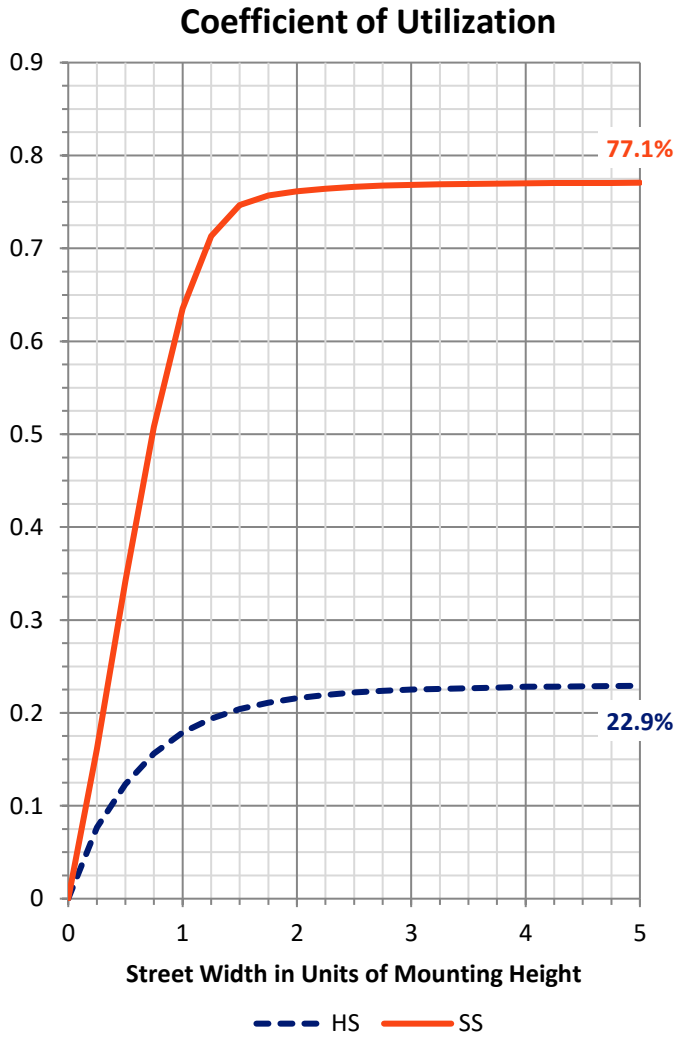
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8003.8	0.0	8003.8
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	26792.6	0.0	26792.6
	% Fixture	77.0	0.0	77.0
Total	Lumens	34796.4	0.0	34796.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.4	1.7
10°-20°	2147.0	6.2
20°-30°	4065.4	11.7
30°-40°	6741.8	19.4
40°-50°	9209.6	26.5
50°-60°	8360.0	24.0
60°-70°	2784.0	8.0
70°-80°	812.0	2.3
80°-90°	85.3	0.2
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°	34796.4	100.0
0°-180°	34796.4	100.0



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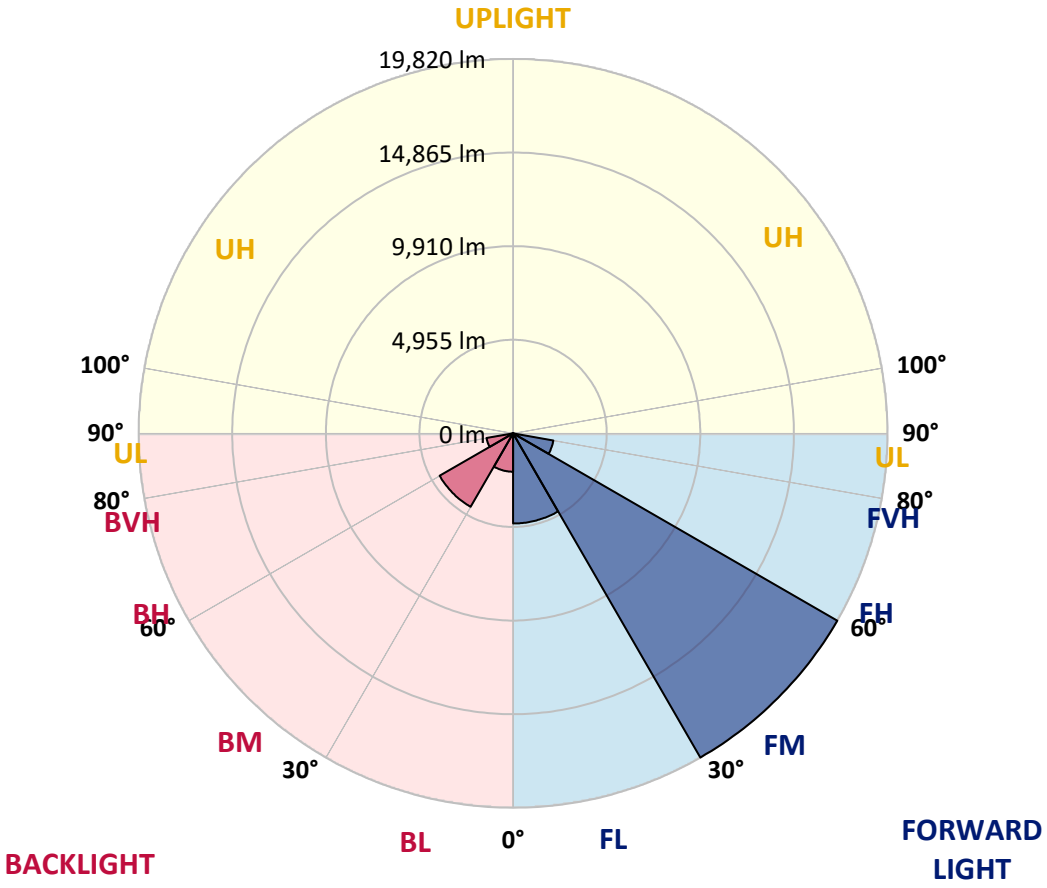
REPORT NUMBER: P643938
CATALOG NUMBER: GWS-SA6F-830-U-T2R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4771.4	13.7			
FM	(30°-60°)	19820.5	57.0			
FH	(60°-80°)	2167.3	6.2			G2/5000
FVH	(80°-90°)	33.3	0.1			G1/100
BL	(0°-30°)	2032.4	5.8	B3/2500		
BM	(30°-60°)	4490.9	12.9	B3/5000		
BH	(60°-80°)	1428.6	4.1	B3/2500		G3/2500
BVH	(80°-90°)	51.9	0.1			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: P643938
CATALOG NUMBER: GWS-SA6F-830-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9
2.5°	6830.8	6881.8	6802.5	6808.1	6609.7	6519.0	6263.9	6113.7	6014.5	5736.7	5484.5
5°	8208.3	8148.8	8086.4	8049.6	7876.7	7632.9	7315.5	7063.2	6830.8	6286.6	5762.2
7.5°	9052.9	9021.8	8979.2	8956.6	8786.5	8531.4	8214.0	7998.6	7661.3	6924.3	6099.5
10°	9770.0	9733.2	9707.7	9724.7	9585.8	9421.4	9075.6	8829.0	8449.2	7598.9	6507.7
12.5°	10325.6	10345.4	10353.9	10444.6	10385.1	10285.9	9928.7	9668.0	9245.7	8310.3	6986.7
15°	10764.9	10759.2	10858.4	11031.3	11127.7	11065.3	10779.1	10560.8	10045.0	9010.4	7502.5
17.5°	10866.9	10872.6	11028.5	11331.8	11646.4	11799.4	11637.9	11377.1	10866.9	9702.0	8038.2
20°	10949.1	10960.5	11122.0	11467.8	11927.0	12355.0	12380.5	12193.4	11754.1	10450.3	8582.4
22.5°	11467.8	11493.3	11535.8	11754.1	12167.9	12709.2	13006.9	12967.2	12598.7	11235.4	9169.1
25°	12831.1	12754.6	12547.7	12485.3	12644.1	13083.4	13590.7	13667.3	13485.9	12099.9	9801.2
27.5°	14514.7	14432.5	14126.4	13803.3	13460.4	13613.4	14154.8	14384.4	14387.2	13052.2	10436.1
30°	16042.5	15977.3	15727.8	15265.8	14673.5	14452.4	14852.0	15161.0	15345.2	14151.9	11158.9
32.5°	17349.1	17289.6	16952.3	16575.3	15997.1	15552.1	15696.7	15994.3	16425.1	15574.8	12057.3
35°	18448.8	18389.3	18066.2	17686.4	17150.7	16884.3	16833.2	17037.3	17595.7	17060.0	13089.1
37.5°	19341.6	19282.1	18944.8	18587.7	18179.6	18196.6	18273.1	18372.3	18692.6	18650.1	14191.6
40°	19919.8	19857.5	19616.6	19361.5	19103.6	19307.6	19687.4	19568.4	19738.4	19934.0	15206.3
42.5°	20177.8	20098.4	19959.5	19902.8	19823.5	20140.9	20872.2	20753.1	20549.1	20790.0	15960.3
45°	19919.8	19851.8	19849.0	20021.9	20206.1	20614.3	21691.3	21595.0	21079.1	21203.8	16410.9
47.5°	19129.1	19069.5	19231.1	19684.6	20138.1	20733.3	22057.0	22074.0	21456.1	21376.7	16702.9
50°	17419.9	17380.3	17847.9	18706.7	19489.0	20362.0	21940.7	22136.3	21546.8	21322.9	16666.0
52.5°	13945.0	14129.3	15146.8	16581.0	18100.2	19710.1	21509.9	21765.0	21110.3	20968.6	16467.6
55°	9546.1	9631.1	10648.7	12743.3	15152.5	18298.6	20520.7	20914.7	20594.4	20909.0	16674.5
57.5°	4943.1	5011.1	5813.3	7672.6	10277.4	14460.9	17774.2	19066.7	19554.2	21209.5	17317.9
60°	2029.4	2086.1	2417.7	3316.2	5184.0	8420.9	12791.4	14707.5	15852.5	19370.0	15379.2
62.5°	1473.9	1502.2	1660.9	1978.4	2715.3	4126.8	7238.9	7944.7	8749.7	12139.5	9764.4
65°	1241.4	1272.6	1400.2	1592.9	1981.2	2531.1	3092.3	3109.3	3426.7	4945.9	3619.5
67.5°	1040.2	1068.6	1181.9	1346.3	1601.4	1797.0	1660.9	1663.8	1658.1	1794.1	1734.6
70°	810.6	833.3	946.7	1122.4	1255.6	1153.6	1298.1	1437.0	1377.5	1431.3	1513.5
72.5°	592.4	617.9	717.1	850.3	816.3	822.0	1051.5	1193.3	1159.3	1218.8	1295.3
75°	428.0	445.0	496.0	425.2	447.8	541.4	739.8	816.3	850.3	901.3	969.3
77.5°	138.9	138.9	155.9	195.6	243.8	300.4	377.0	408.1	459.2	515.9	564.0
80°	70.9	73.7	87.9	107.7	136.0	172.9	221.1	235.3	260.8	291.9	311.8
82.5°	34.0	36.8	42.5	53.9	70.9	90.7	121.9	136.0	153.1	172.9	187.1
85°	8.5	8.5	11.3	17.0	22.7	34.0	45.3	53.9	68.0	82.2	90.7
87.5°	0.0	0.0	0.0	0.0	0.0	2.8	8.5	11.3	14.2	17.0	22.7
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: P643938
CATALOG NUMBER: GWS-SA6F-830-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9	5271.9
2.5°	5371.1	5212.4	5008.3	4835.4	4676.7	4554.8	4449.9	4398.9	4350.7	4316.7	4328.1
5°	5518.5	5246.4	4866.6	4603.0	4441.4	4359.2	4302.6	4274.2	4268.5	4245.9	4237.4
7.5°	5733.9	5345.6	4838.2	4571.8	4464.1	4421.6	4390.4	4373.4	4381.9	4359.2	4350.7
10°	6000.3	5510.0	4909.1	4673.9	4580.3	4549.1	4515.1	4492.5	4481.1	4447.1	4441.4
12.5°	6331.9	5714.1	5036.6	4804.2	4710.7	4656.8	4611.5	4571.8	4546.3	4503.8	4492.5
15°	6689.1	5940.8	5186.9	4931.8	4821.2	4741.9	4668.2	4608.7	4563.3	4506.6	4498.1
17.5°	7077.4	6178.9	5311.6	5019.6	4877.9	4773.1	4665.3	4577.5	4515.1	4441.4	4432.9
20°	7482.7	6419.8	5405.1	5062.2	4880.8	4739.0	4594.5	4478.3	4398.9	4325.2	4319.6
22.5°	7902.2	6640.9	5461.8	5050.8	4835.4	4659.7	4486.8	4356.4	4262.9	4175.0	4169.3
25°	8324.5	6853.5	5476.0	5005.5	4744.7	4540.6	4367.7	4214.7	4109.8	4010.6	3999.3
27.5°	8752.5	7032.0	5442.0	4914.8	4622.8	4401.8	4228.9	4078.6	3970.9	3871.7	3854.7
30°	9208.8	7185.1	5368.3	4795.7	4481.1	4254.4	4084.3	3970.9	3868.9	3769.7	3752.7
32.5°	9696.3	7318.3	5263.4	4651.2	4316.7	4107.0	3982.3	3880.2	3778.2	3690.3	3673.3
35°	10277.4	7406.2	5107.5	4464.1	4163.7	3999.3	3914.2	3795.2	3670.5	3574.1	3565.6
37.5°	10878.3	7474.2	4920.4	4285.5	4030.5	3936.9	3866.1	3704.5	3548.6	3432.4	3418.2
40°	11459.3	7530.9	4688.0	4118.3	3908.6	3891.6	3795.2	3594.0	3324.7	3194.3	3183.0
42.5°	12000.7	7547.9	4444.3	3939.8	3798.0	3789.5	3681.8	3370.0	3163.1	3080.9	3069.6
45°	12372.0	7533.7	4192.0	3772.5	3687.5	3642.1	3528.8	3208.5	3080.9	3007.3	2993.1
47.5°	12646.9	7460.0	3908.6	3596.8	3562.8	3500.4	3256.7	3106.5	2987.4	2913.7	2899.5
50°	*12598.7*	*7153.9*	*3622.3*	*3426.7*	*3412.6*	*3358.7*	*3058.3*	*2978.9*	*2874.0*	*2794.7*	*2783.3*
52.5°	12349.3	6572.9	3330.4	3239.7	3268.0	3163.1	2916.6	2825.9	2735.2	2644.5	2624.6
55°	12411.6	6153.4	3109.3	3058.3	3109.3	2871.2	2757.8	2661.5	2576.4	2488.6	2471.6
57.5°	12683.7	5739.6	2874.0	2862.7	2916.6	2647.3	2553.8	2431.9	2310.0	2239.1	2239.1
60°	10651.5	4183.5	2460.2	2488.6	2610.4	2465.9	2383.7	2259.0	2125.8	2063.4	2063.4
62.5°	6297.9	2624.6	2040.7	2009.6	2086.1	2176.8	2222.1	2120.1	1961.4	1879.2	1882.0
65°	2774.8	1910.4	1799.8	1774.3	1751.6	1814.0	1938.7	1947.2	1780.0	1683.6	1686.4
67.5°	1709.1	1729.0	1683.6	1663.8	1643.9	1632.6	1621.3	1626.9	1581.6	1493.7	1490.9
70°	1541.9	1595.7	1564.6	1547.6	1522.0	1502.2	1434.2	1323.6	1247.1	1224.4	1250.0
72.5°	1326.5	1400.2	1383.2	1374.7	1343.5	1295.3	1204.6	1096.9	1006.2	949.5	960.8
75°	1000.5	1060.0	1068.6	1071.4	1037.4	992.0	898.5	807.8	728.4	668.9	683.1
77.5°	575.4	609.4	617.9	626.4	600.9	583.9	521.5	456.3	413.8	351.5	368.5
80°	320.3	334.5	334.5	337.3	323.1	303.3	260.8	223.9	204.1	175.7	178.6
82.5°	192.7	198.4	201.2	204.1	195.6	175.7	144.6	119.0	107.7	93.5	90.7
85°	93.5	99.2	99.2	102.0	87.9	76.5	59.5	45.3	39.7	28.3	31.2
87.5°	22.7	25.5	25.5	22.7	19.8	14.2	8.5	2.8	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

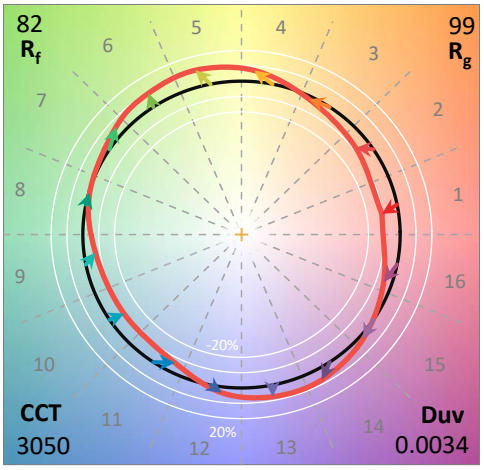
Test Information

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

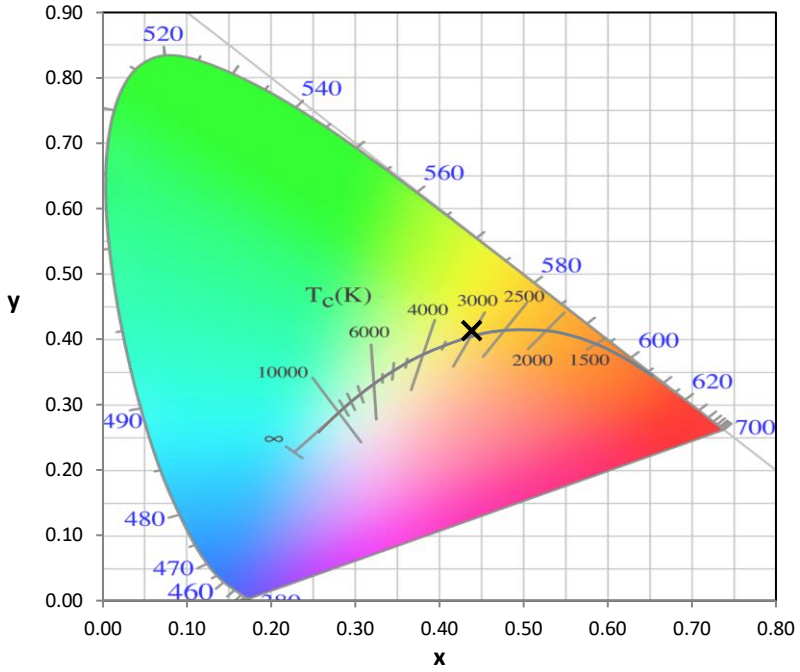
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

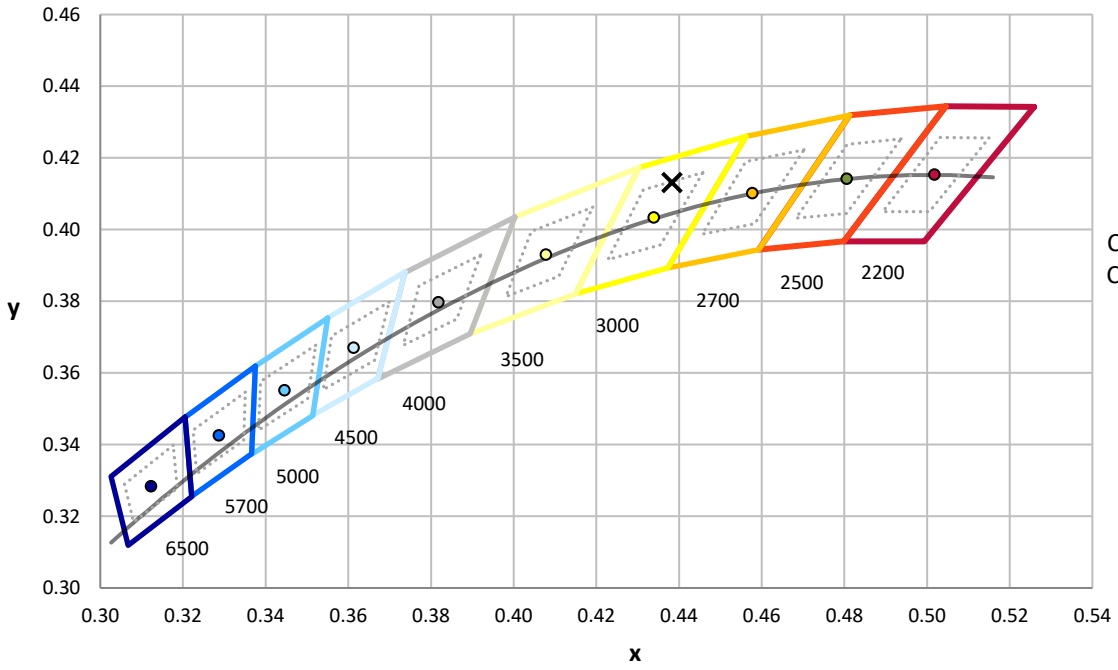
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

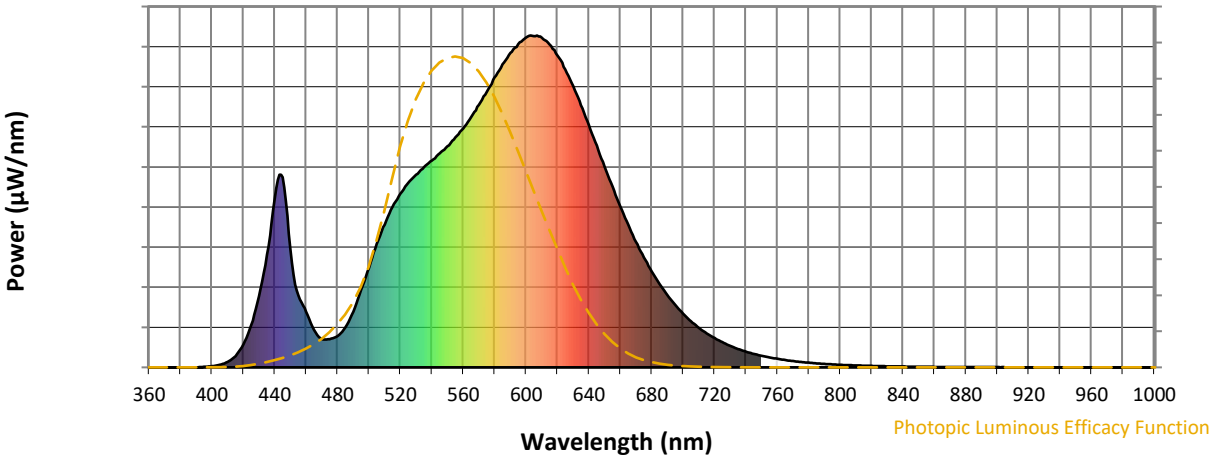


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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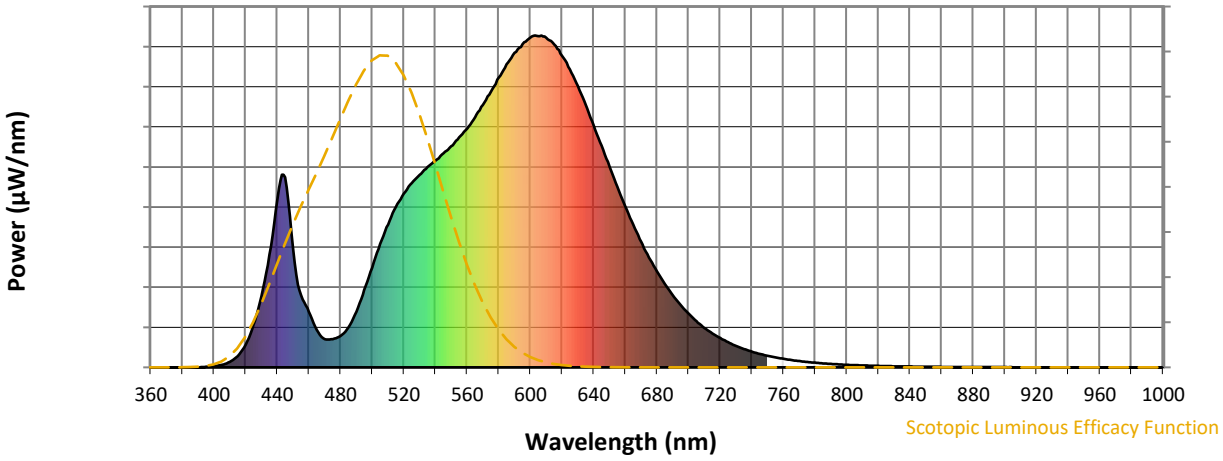
Scotopic Flux vs. Wavelength



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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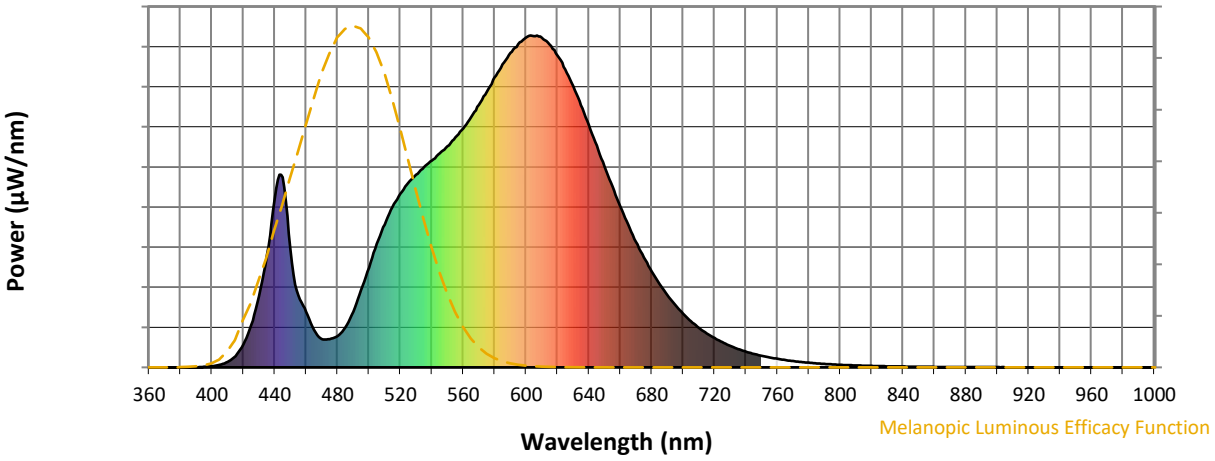
Melanopic Flux vs. Wavelength



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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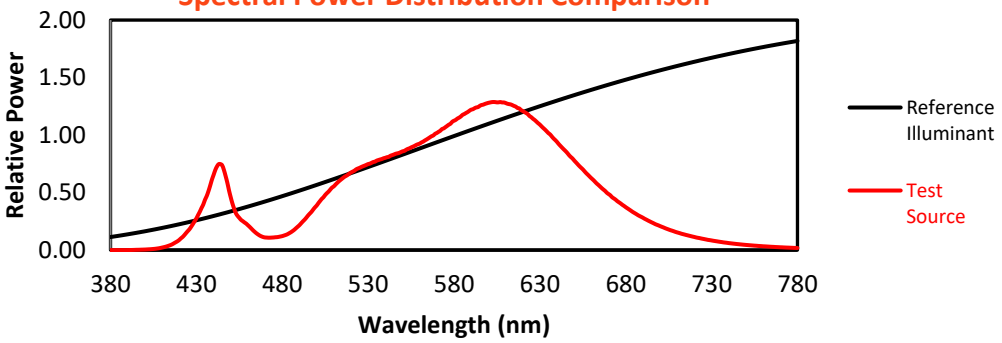
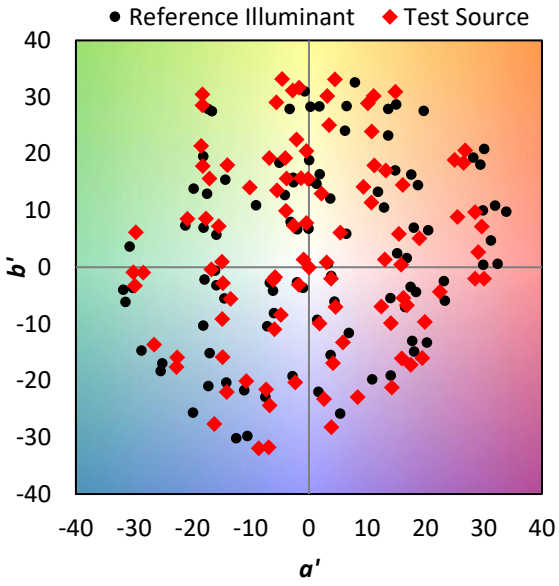
Summary

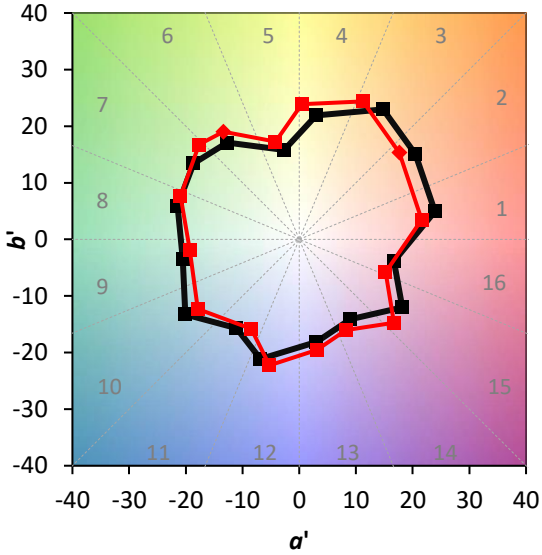
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

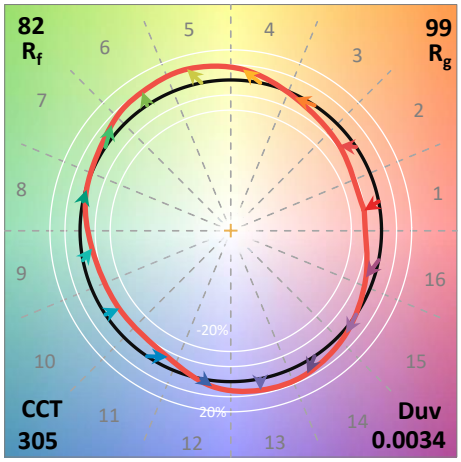
Spectral Power Distribution Comparison

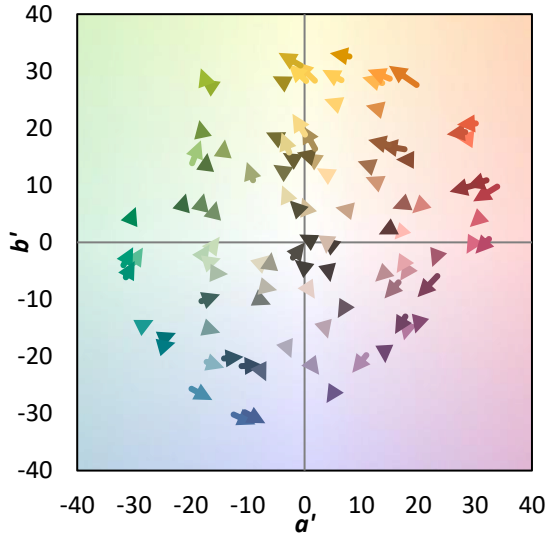


Color Vector Graphics









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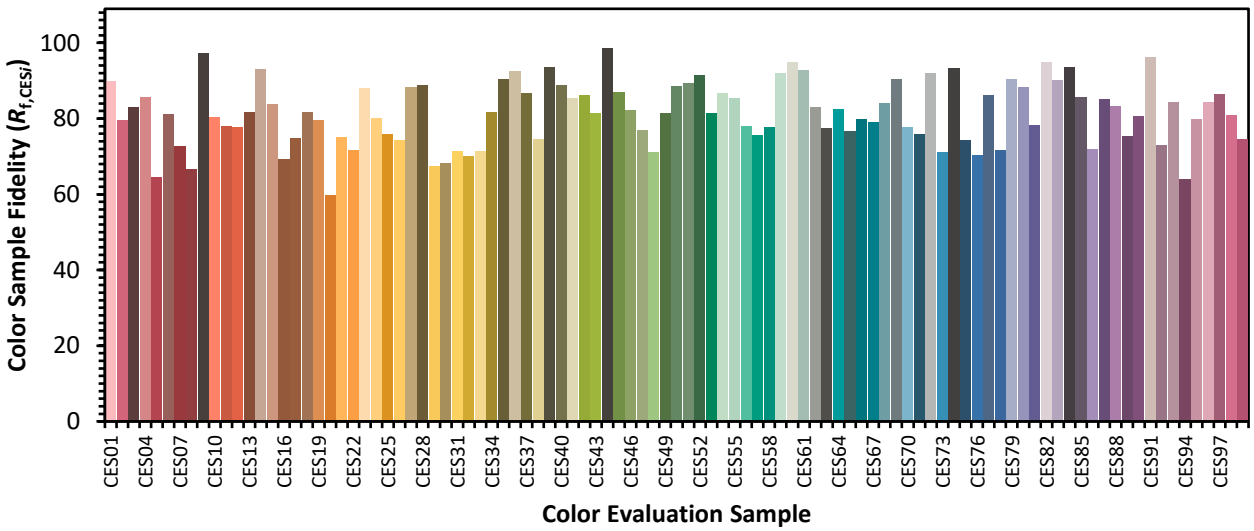
Individual Sample Fidelity Index ($R_{f,i}$)

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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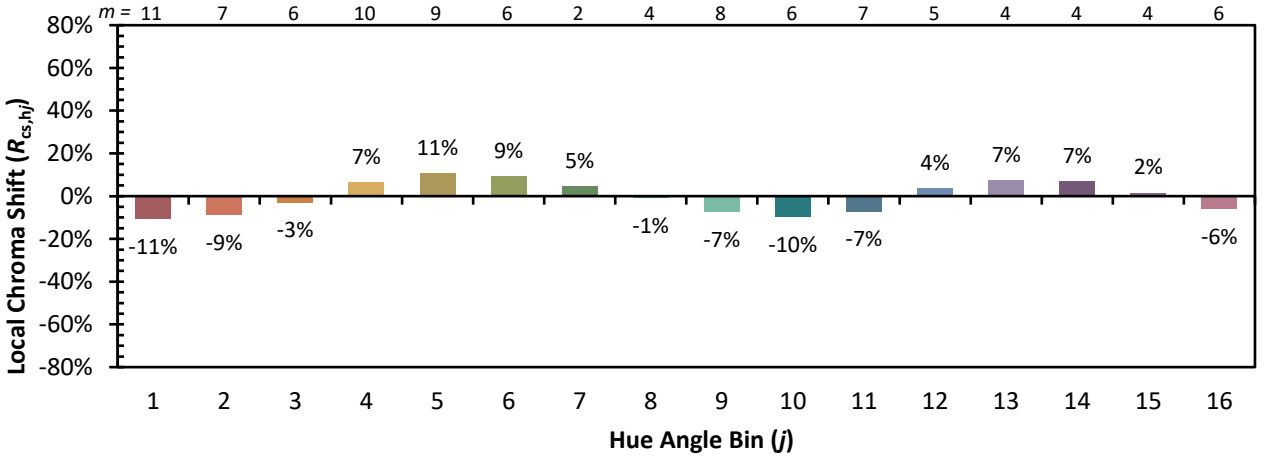
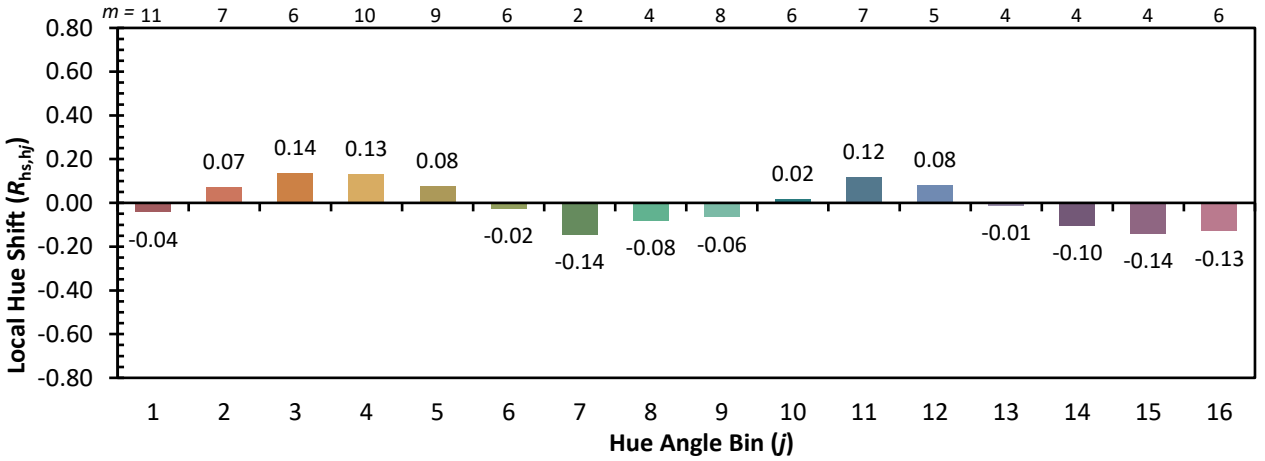
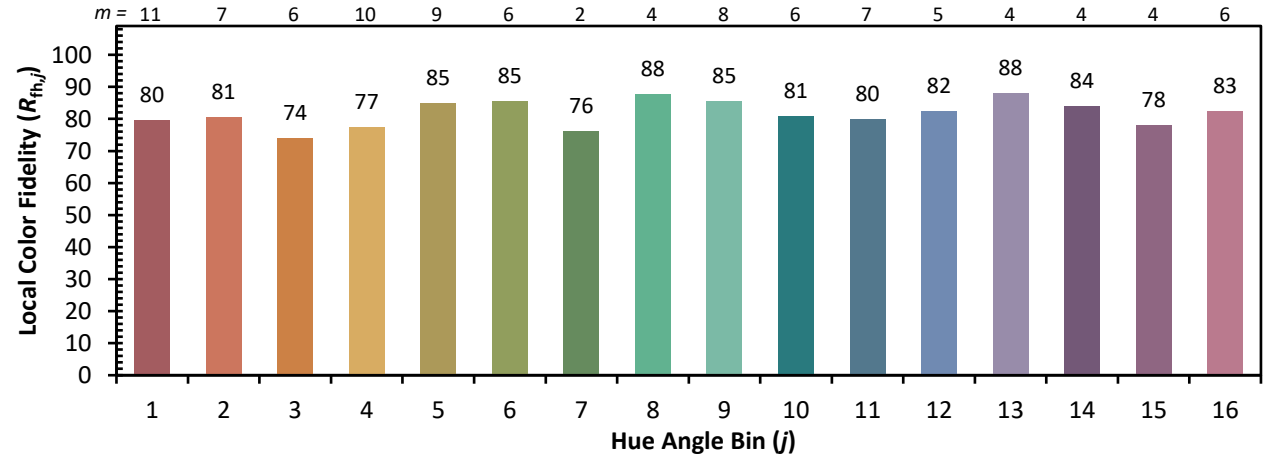
Color Rendition by Hue-Angle Bin







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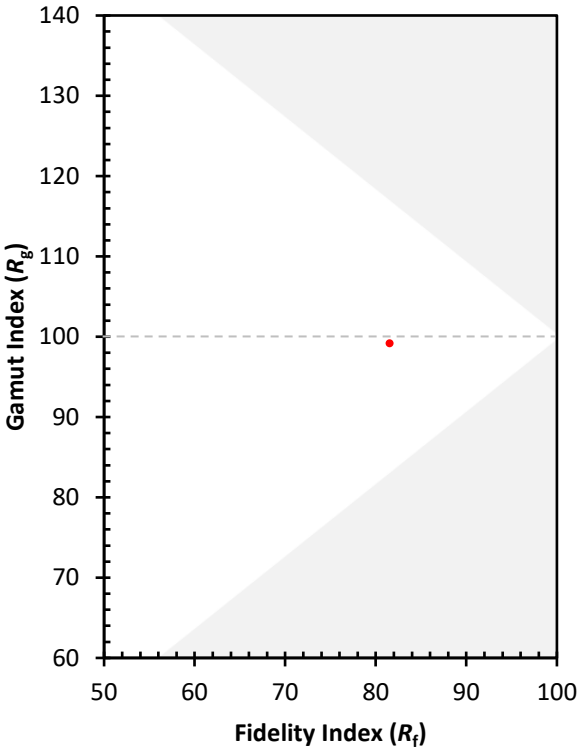
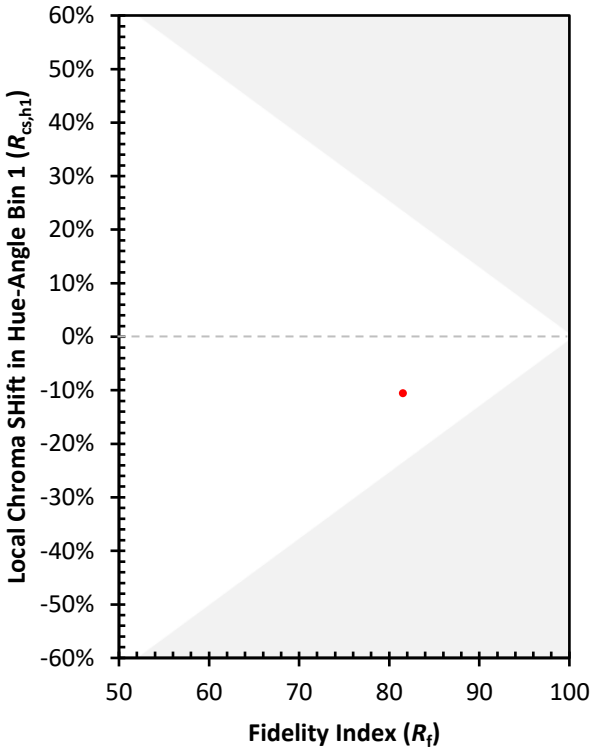
Measure Comparisons





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