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: P642958

Luminaire Tested: GWS-SA6D-830-U-T3R-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:	P642958
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-T3R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28928.6 lumens
Efficiency:	N/A
Efficacy:	117.7 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

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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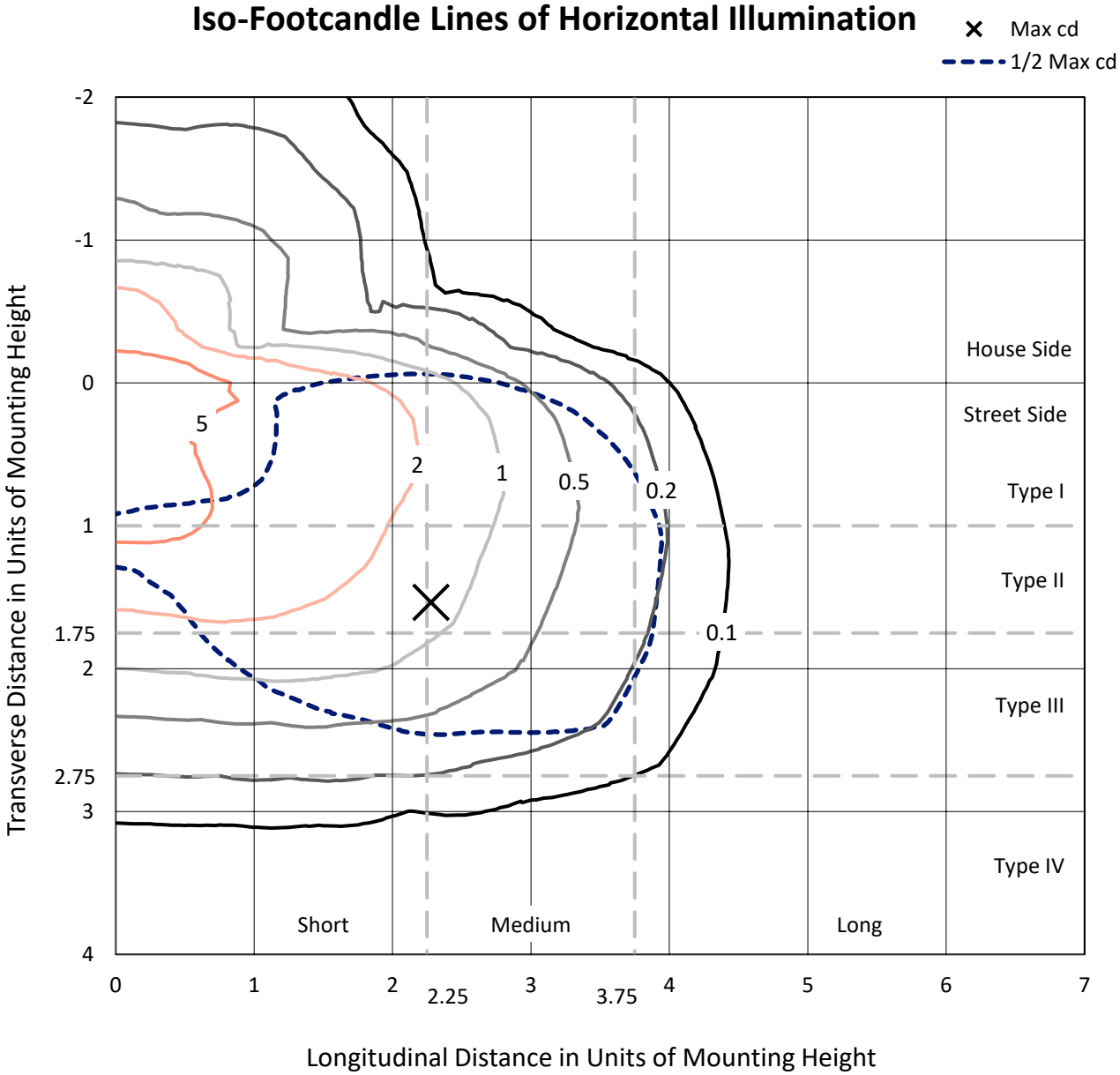
Scaled Data Report

REPORT NUMBER: P642958
CATALOG NUMBER: GWS-SA6D-830-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type III - Medium - N/A

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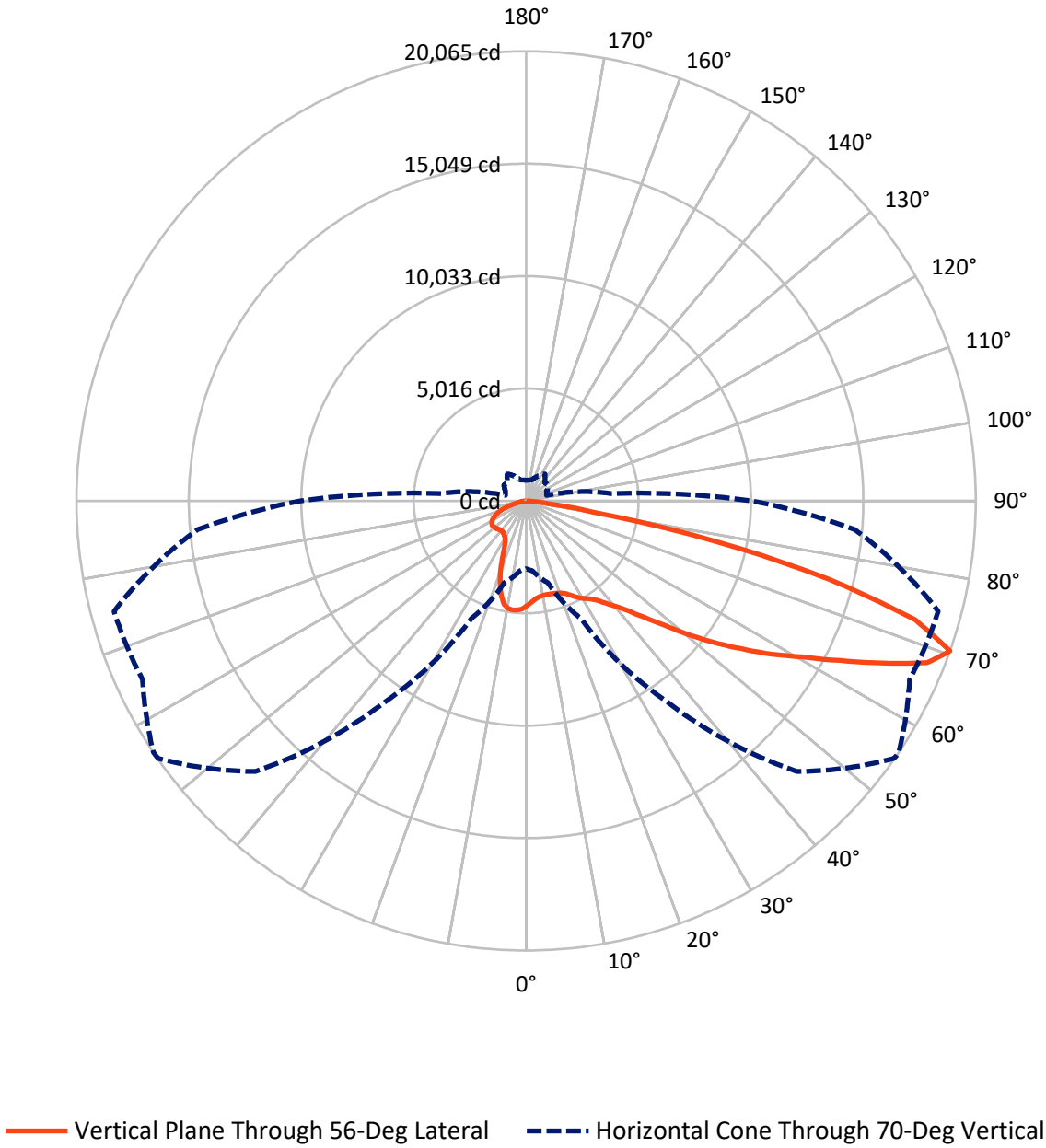
Luminous Intensity Polar Plot



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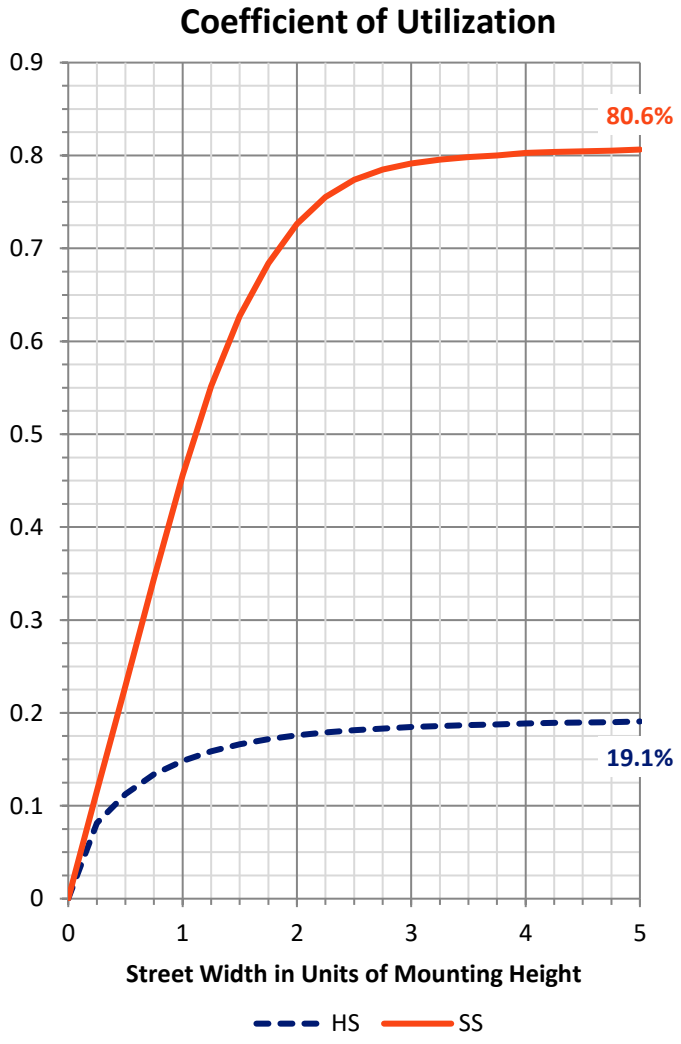
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5561.6	0.0	5561.6
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	23367.0	0.0	23367.0
	% Fixture	80.8	0.0	80.8
Total	Lumens	28928.6	0.0	28928.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.1	1.5
10°-20°	1170.8	4.0
20°-30°	1935.7	6.7
30°-40°	2894.1	10.0
40°-50°	4306.8	14.9
50°-60°	6123.1	21.2
60°-70°	7583.6	26.2
70°-80°	4187.4	14.5
80°-90°	294.9	1.0
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°	28928.6	100.0
0°-180°	28928.6	100.0



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REPORT NUMBER: P642958
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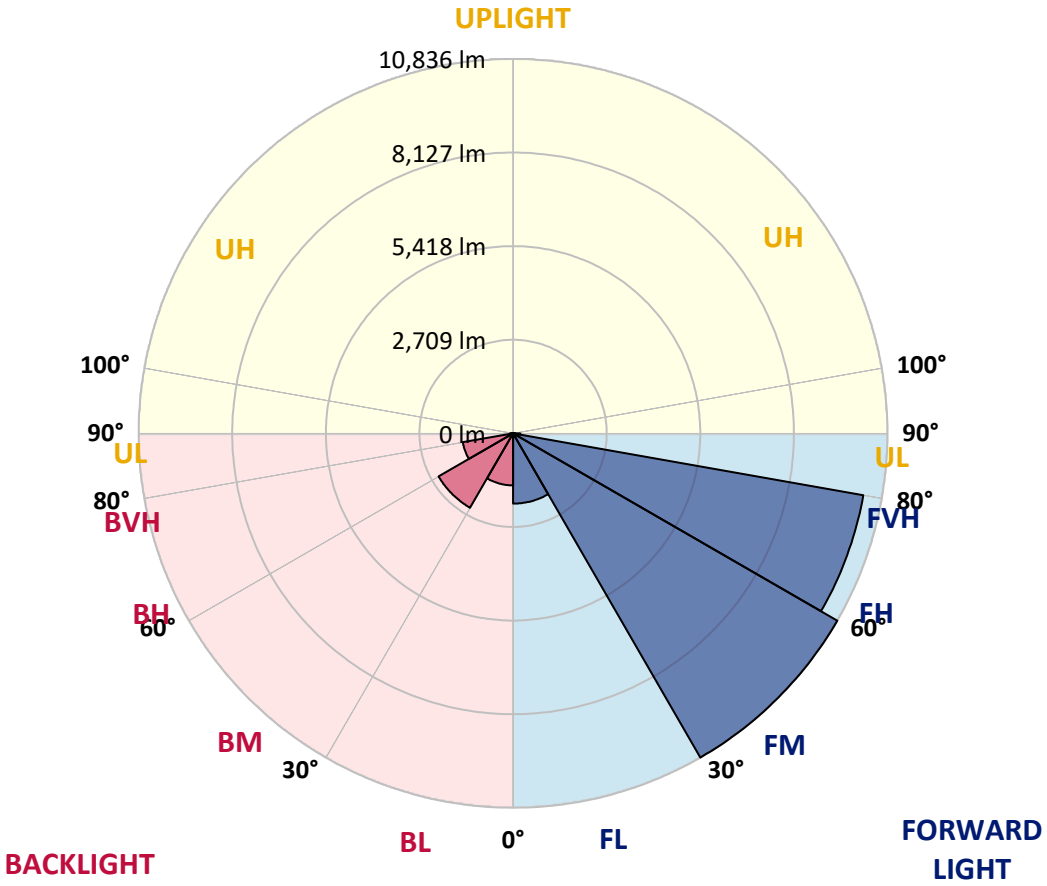
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2033.1	7.0			
FM	(30°-60°)	10836.2	37.5			
FH	(60°-80°)	10292.8	35.6			G4/12000
FVH	(80°-90°)	204.9	0.7			G2/225
BL	(0°-30°)	1505.6	5.2	B3/2500		
BM	(30°-60°)	2487.8	8.6	B2/2500		
BH	(60°-80°)	1478.2	5.1	B3/2500		G3/2500
BVH	(80°-90°)	90.0	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-G4
Type III Medium



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Scaled Data Report

REPORT NUMBER: P642958
CATALOG NUMBER: GWS-SA6D-830-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5
2.5°	4369.6	4345.2	4373.7	4388.0	4424.7	4477.8	4524.7	4526.7	4551.2	4610.4	4667.5
5°	4171.8	4159.5	4167.7	4210.5	4249.3	4316.6	4388.0	4394.1	4463.5	4579.8	4694.0
7.5°	4018.8	4002.4	4033.0	4088.1	4137.1	4212.6	4306.4	4314.6	4412.5	4587.9	4763.4
10°	3798.4	3786.2	3843.3	3916.8	4022.8	4147.3	4271.7	4281.9	4410.4	4641.0	4885.8
12.5°	3702.6	3702.6	3727.0	3796.4	3912.7	4077.9	4265.6	4281.9	4443.1	4722.6	5042.8
15°	3851.5	3861.7	3841.3	3837.2	3884.1	4041.2	4273.8	4298.2	4504.3	4806.2	5197.9
17.5°	4151.4	4161.6	4108.5	4024.9	3978.0	4075.9	4304.4	4330.9	4569.6	4898.0	5365.2
20°	4571.6	4583.8	4467.6	4339.0	4177.9	4175.8	4363.5	4388.0	4653.2	4998.0	5542.6
22.5°	5063.2	5071.4	4924.5	4720.5	4473.7	4361.5	4465.5	4490.0	4761.3	5136.7	5734.4
25°	5632.4	5656.9	5479.4	5183.6	4849.0	4616.5	4634.8	4663.4	4955.1	5322.3	5960.8
27.5°	6240.3	6270.9	6066.9	5740.5	5279.5	4898.0	4853.1	4877.6	5161.2	5436.6	6081.2
30°	6862.5	6884.9	6680.9	6307.6	5742.6	5216.2	5036.7	5051.0	5250.9	5491.6	6203.6
32.5°	7554.1	7535.7	7339.9	6909.4	6277.0	5597.7	5208.1	5204.0	5350.9	5601.8	6379.0
35°	8202.8	8229.3	8021.2	7545.9	6864.5	6068.9	5465.1	5448.8	5563.0	5781.3	6625.9
37.5°	8988.2	8980.0	8731.1	8217.1	7454.1	6519.8	5826.2	5797.6	5838.4	6060.8	6970.6
40°	9549.2	9606.3	9445.1	8965.7	8143.6	7074.7	6248.5	6185.2	6195.4	6405.5	7431.7
42.5°	10008.2	10061.2	10077.5	9771.5	8933.1	7760.1	6774.8	6711.5	6717.7	7015.5	7998.8
45°	10361.1	10432.5	10663.0	10573.2	9822.5	8551.6	7486.7	7421.5	7425.5	7756.0	8684.2
47.5°	10505.9	10583.4	11050.6	11264.8	10767.0	9498.2	8372.1	8276.2	8290.5	8655.6	9467.6
50°	10459.0	10563.0	11195.4	11797.2	11558.5	10461.0	9430.8	9363.5	9308.4	9838.8	10318.2
52.5°	10055.1	10169.3	11181.1	12135.9	12205.2	11370.9	10524.3	10485.5	10473.3	11095.5	11268.9
55°	8865.8	9057.5	10689.5	12225.6	12711.1	12227.7	11709.5	11644.2	11707.5	12441.9	12229.7
57.5°	8206.9	8349.7	9726.6	12125.7	13125.3	13043.7	12892.7	12898.8	12970.2	13904.5	13394.5
60°	7831.5	7998.8	9192.2	11852.3	13523.0	14035.1	14131.0	14131.0	14259.5	15481.4	14577.7
62.5°	7333.7	7503.1	8692.4	11326.0	13890.2	15202.0	15687.5	15681.3	15732.3	17172.6	15734.4
65°	6323.9	6481.0	7688.7	10495.7	14069.8	16487.1	17456.1	17437.8	17335.8	18678.1	16499.4
67.5°	4592.0	4740.9	5889.4	8916.8	13423.1	17523.5	19277.8	19286.0	18676.0	19626.7	16540.2
70°	3027.3	3129.3	3786.2	5791.5	10915.9	17076.7	20040.8	20065.3	18882.1	19035.1	14720.5
72.5°	1889.0	1960.4	2364.3	3453.7	6450.4	13516.9	18082.4	18149.7	16986.9	16727.9	12095.1
75°	1254.6	1303.5	1572.8	2013.5	2984.5	7315.4	13745.4	13961.6	13614.8	13113.0	8427.2
77.5°	754.8	795.6	1001.6	1279.1	1321.9	2858.0	8023.3	8582.2	8631.2	6846.2	3529.2
80°	344.8	391.7	552.8	730.3	703.8	995.5	2829.5	2960.0	3492.5	2174.6	1113.8
82.5°	204.0	224.4	367.2	363.1	299.9	483.5	1018.0	1044.5	887.4	795.6	475.3
85°	81.6	95.9	155.0	136.7	110.2	157.1	383.5	401.9	385.6	346.8	175.4
87.5°	0.0	0.0	0.0	0.0	2.0	4.1	34.7	36.7	53.0	95.9	53.0
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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Scaled Data Report

REPORT NUMBER: P642958
CATALOG NUMBER: GWS-SA6D-830-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5
2.5°	4704.2	4692.0	4753.2	4800.1	4820.5	4840.9	4822.5	4816.4	4816.4	4775.6	4755.2
5°	4755.2	4761.3	4845.0	4883.7	4883.7	4867.4	4818.4	4783.8	4771.5	4718.5	4704.2
7.5°	4851.1	4877.6	4955.1	4953.1	4896.0	4806.2	4683.8	4590.0	4504.3	4467.6	4445.1
10°	5008.2	5042.8	5095.9	5010.2	4851.1	4614.4	4355.4	4151.4	4029.0	3931.0	3931.0
12.5°	5187.7	5220.3	5210.1	5012.2	4683.8	4241.1	3867.8	3633.2	3461.9	3372.1	3372.1
15°	5367.2	5393.7	5283.6	4918.4	4335.0	3745.4	3337.4	3055.9	2907.0	2823.3	2823.3
17.5°	5548.8	5546.7	5314.2	4702.2	3880.0	3196.7	2796.8	2578.5	2527.5	2513.3	2511.2
20°	5724.2	5677.3	5275.4	4341.1	3351.7	2643.8	2390.9	2405.1	2480.6	2513.3	2517.3
22.5°	5922.1	5805.8	5161.2	3880.0	2751.9	2260.3	2276.6	2394.9	2505.1	2554.1	2560.2
25°	6124.0	5916.0	4969.4	3339.5	2250.1	2119.5	2246.0	2378.6	2503.1	2566.3	2572.4
27.5°	6205.6	5916.0	4643.0	2713.2	1982.9	2060.4	2199.1	2327.6	2458.2	2531.6	2545.9
30°	6272.9	5865.0	4186.0	2148.1	1872.7	2003.3	2123.6	2241.9	2370.5	2460.2	2476.5
32.5°	6366.8	5820.1	3633.2	1805.4	1821.7	1948.2	2031.8	2131.8	2248.1	2307.2	2301.1
35°	6476.9	5750.7	2966.1	1642.2	1778.9	1901.3	1960.4	2019.6	1966.5	1964.5	1970.6
37.5°	6634.0	5689.5	2384.7	1568.7	1750.3	1868.6	1917.6	1791.1	1717.7	1687.1	1674.8
40°	6860.5	5665.0	1880.9	1525.9	1746.2	1866.6	1831.9	1636.1	1536.1	1430.0	1428.0
42.5°	7146.1	5646.7	1554.5	1505.5	1760.5	1913.5	1713.6	1534.1	1328.0	1281.1	1277.0
45°	7513.3	5618.1	1391.3	1501.4	1795.2	1950.2	1701.3	1393.3	1252.5	1232.1	1232.1
47.5°	7955.9	5573.2	1317.8	1501.4	1833.9	1933.9	1664.6	1362.7	1217.9	1240.3	1254.6
50°	8463.9	5516.1	1279.1	1497.3	1872.7	1933.9	1587.1	1356.6	1209.7	1326.0	1372.9
52.5°	9006.5	5450.8	1252.5	1481.0	1899.2	1935.9	1591.2	1377.0	1217.9	1346.4	1385.1
55°	9606.3	5440.6	1215.8	1446.3	1907.4	1882.9	1601.4	1421.9	1230.1	1219.9	1221.9
57.5°	10363.1	5563.0	1189.3	1395.3	1874.7	1774.8	1621.8	1454.5	1215.8	1217.9	1232.1
60°	11154.6	5793.6	1211.7	1346.4	1807.4	1672.8	1636.1	1438.2	1146.5	1113.8	1117.9
62.5°	11827.8	5969.0	1230.1	1323.9	1709.5	1583.0	1621.8	1401.5	1107.7	1099.6	1117.9
65°	12109.3	5824.2	1185.2	1277.0	1566.7	1472.9	1591.2	1354.5	1075.1	1044.5	1046.5
67.5°	11797.2	5144.8	1097.5	1173.0	1405.5	1332.1	1542.2	1293.3	1030.2	993.5	985.3
70°	*10077.5*	*3780.1*	*946.6*	*1007.8*	*1209.7*	*1166.9*	*1466.7*	*1213.8*	*958.8*	*932.3*	*913.9*
72.5°	8121.2	2676.5	785.4	801.7	948.6	983.3	1336.2	1113.8	877.2	801.7	775.2
75°	5652.8	1680.9	654.8	638.5	685.4	750.7	1042.4	924.1	756.8	677.3	652.8
77.5°	2431.7	862.9	512.0	503.9	457.0	520.2	799.7	771.1	634.4	542.6	528.4
80°	814.0	499.8	369.2	355.0	304.0	365.2	563.0	616.1	497.8	401.9	377.4
82.5°	408.0	289.7	234.6	212.2	204.0	230.5	332.5	383.5	344.8	277.4	234.6
85°	199.9	165.2	128.5	126.5	106.1	100.0	138.7	163.2	155.0	114.2	108.1
87.5°	73.4	65.3	40.8	32.6	20.4	14.3	8.2	8.2	6.1	6.1	6.1
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

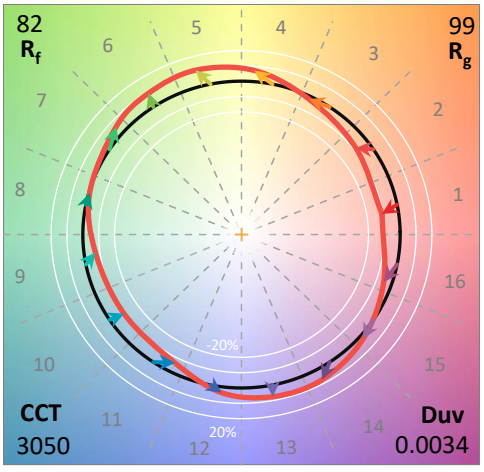
Test Information

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

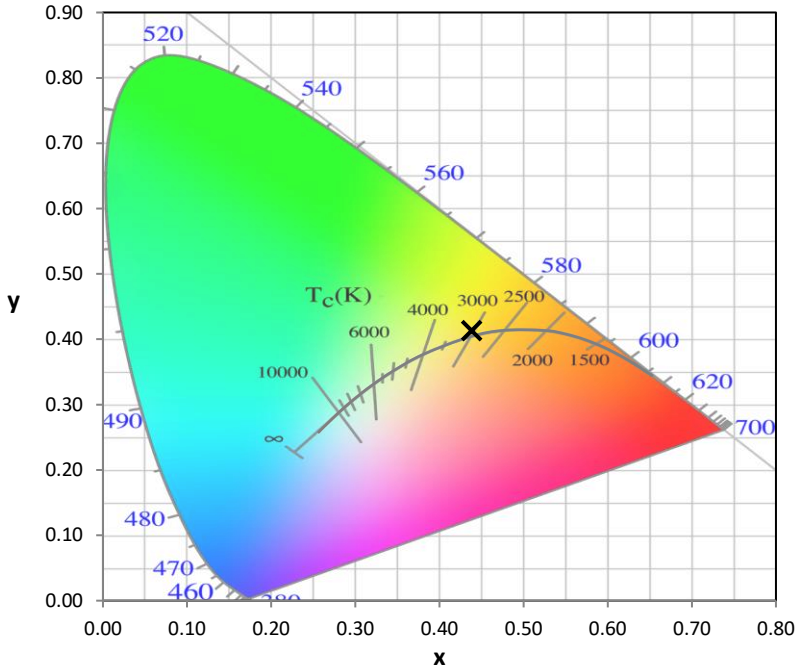
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

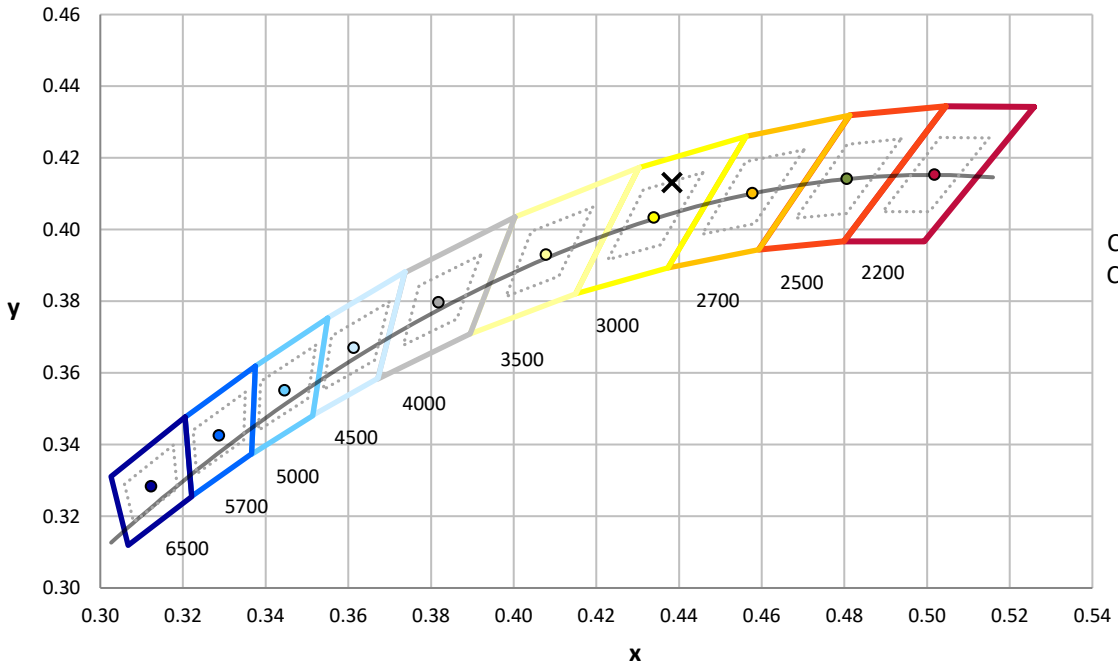
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

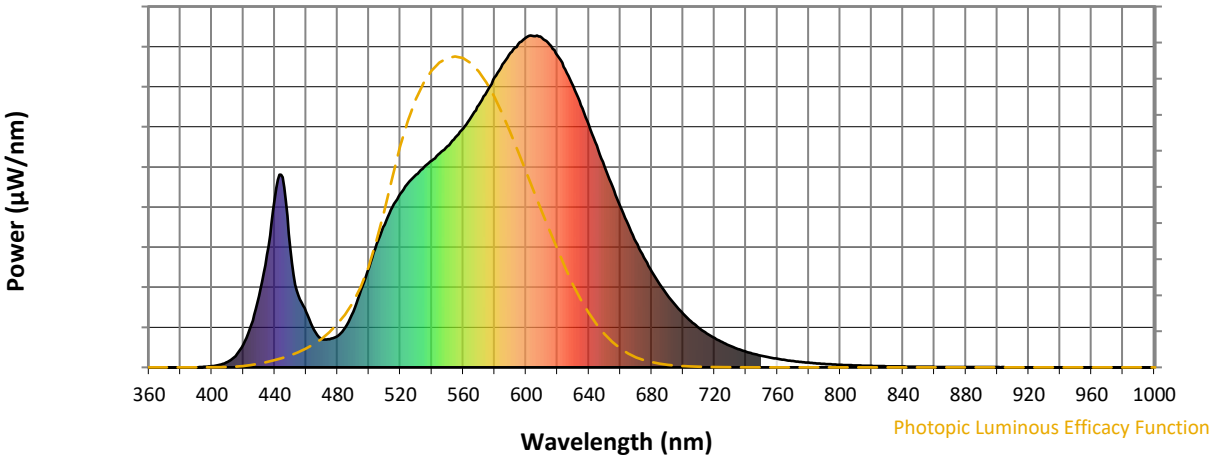


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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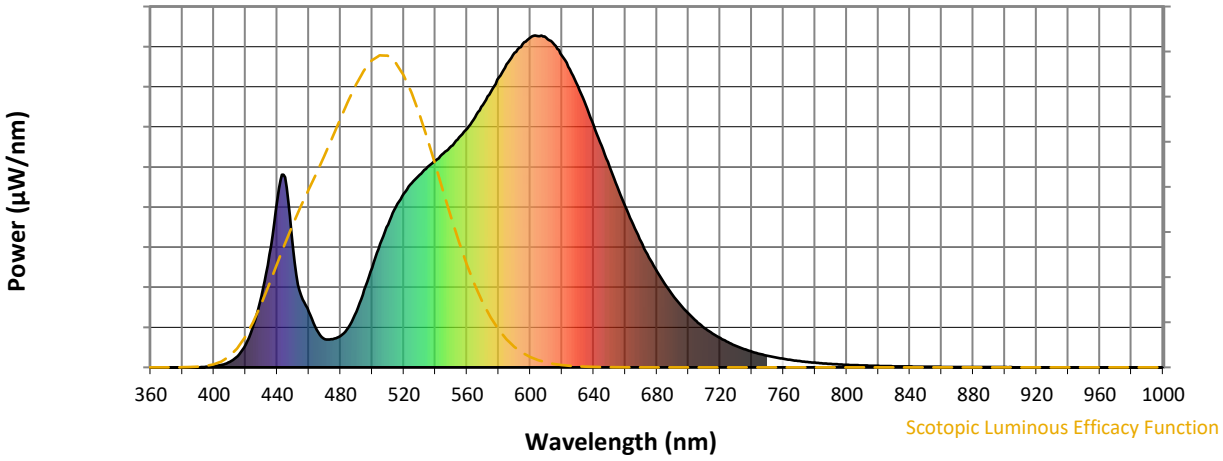
Scotopic Flux vs. Wavelength



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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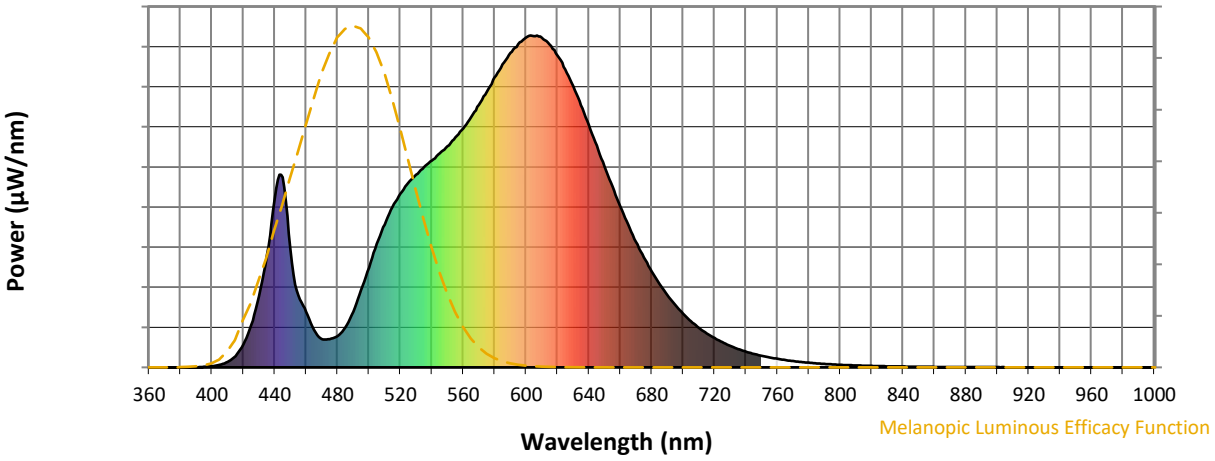
Melanopic Flux vs. Wavelength



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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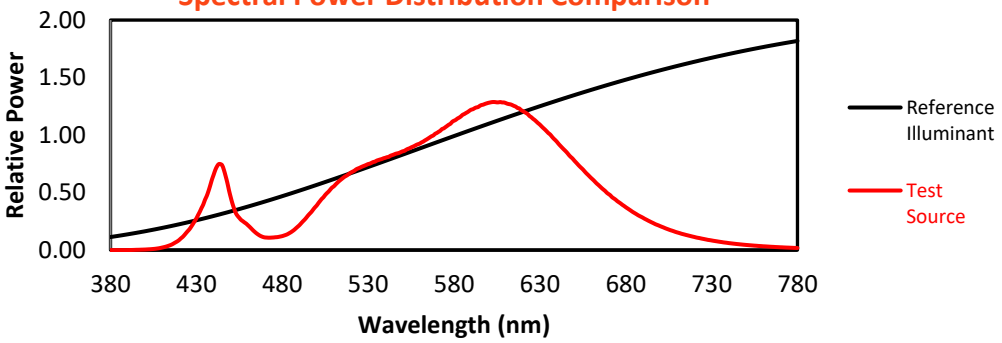
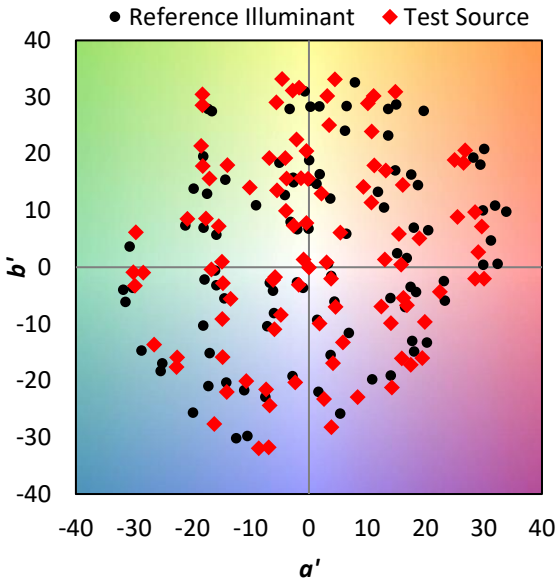
Summary

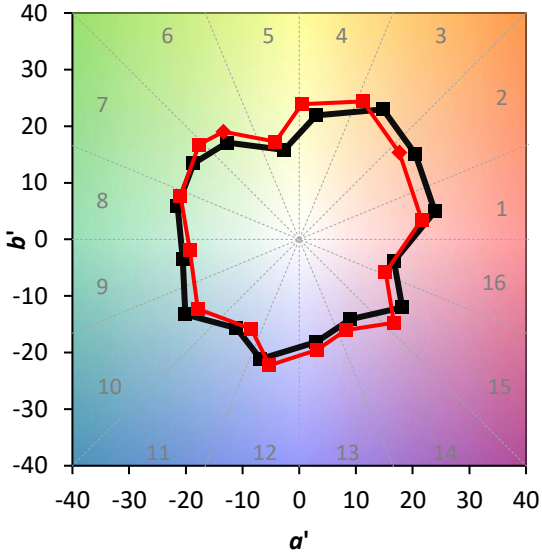
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

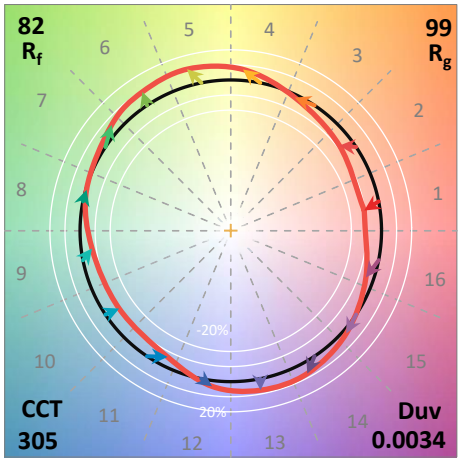
Spectral Power Distribution Comparison

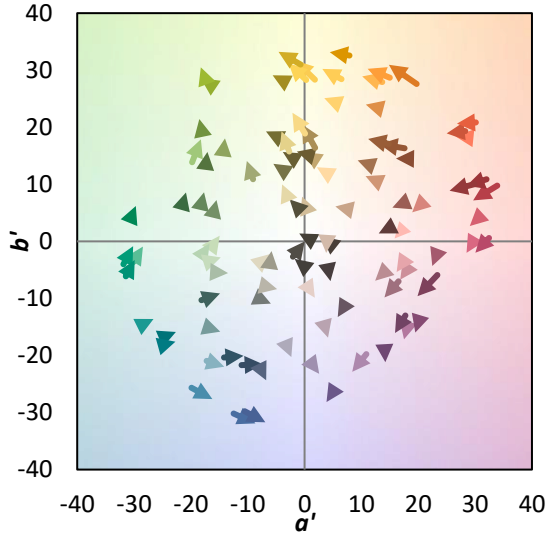


Color Vector Graphics









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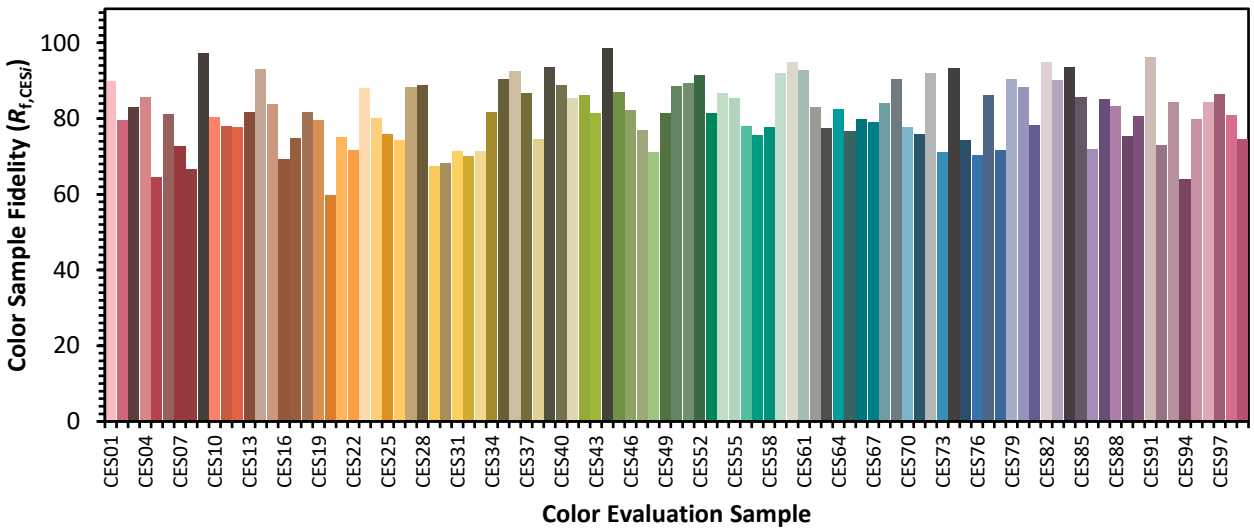
Individual Sample Fidelity Index ($R_{f,i}$)

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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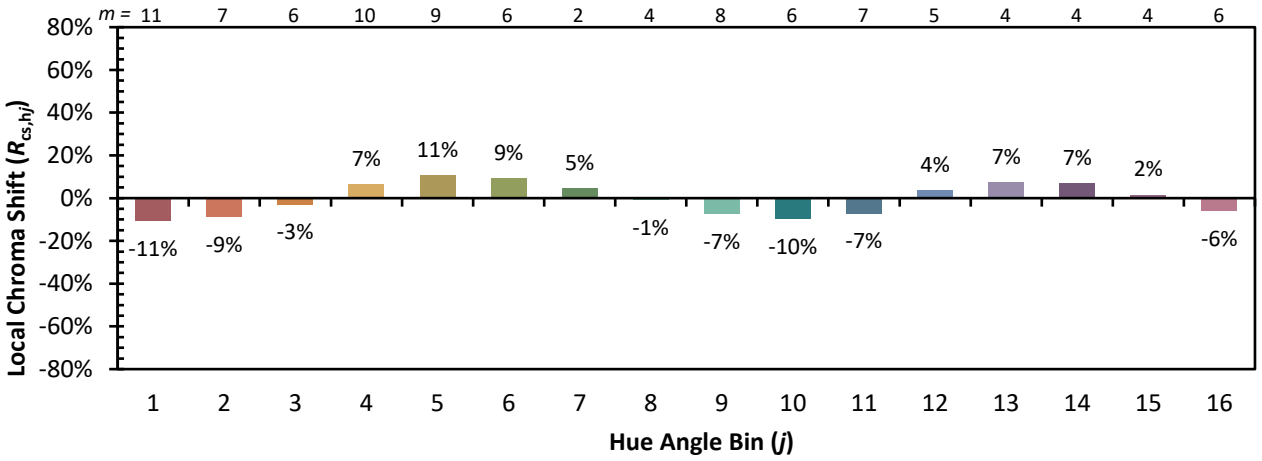
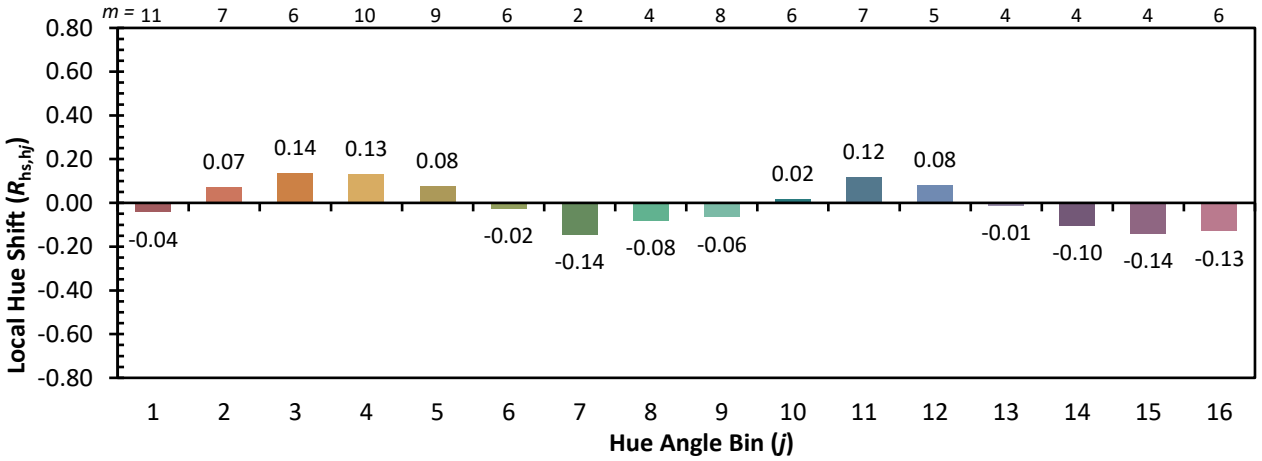
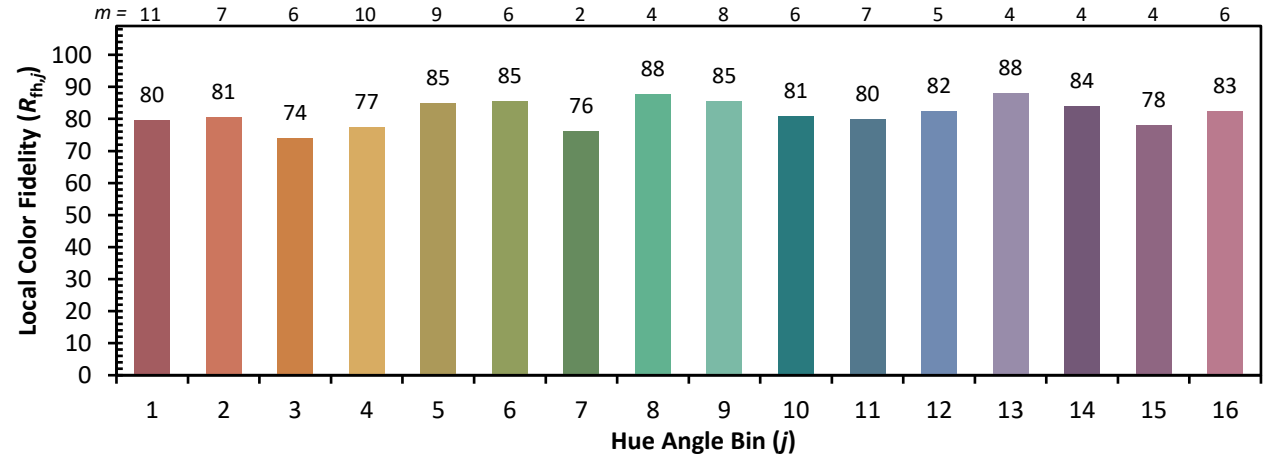
Color Rendition by Hue-Angle Bin







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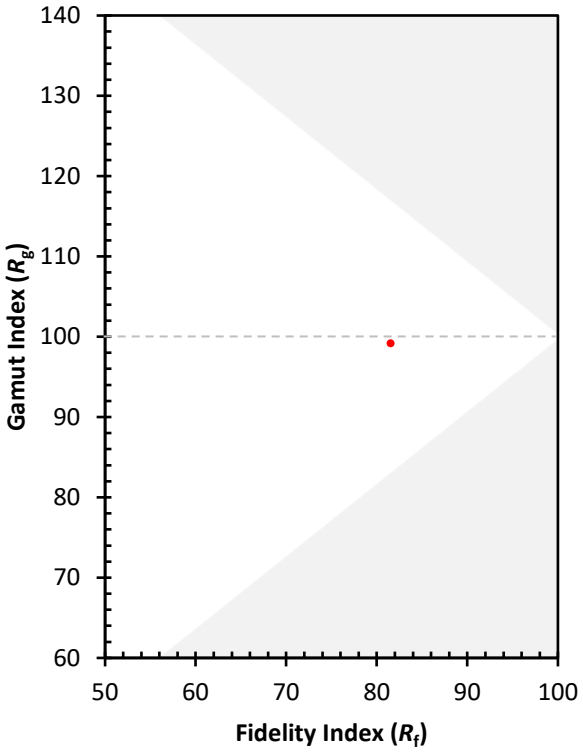
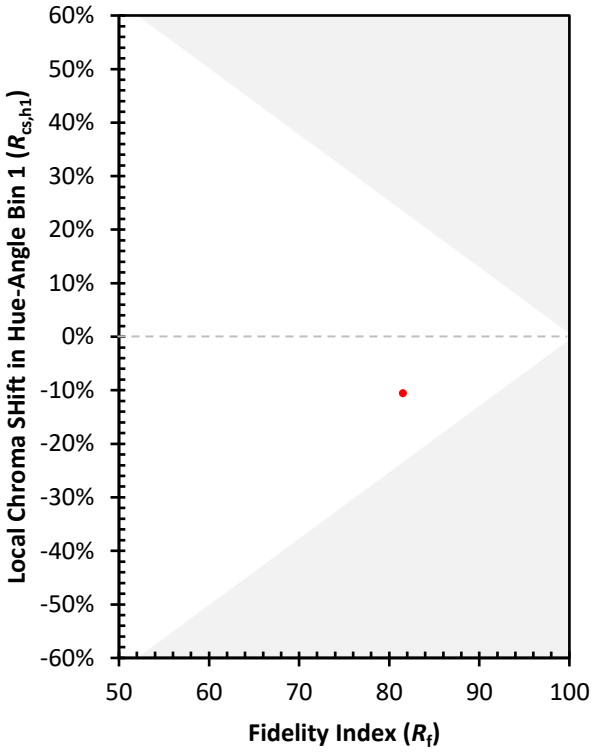
Measure Comparisons





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