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: P643428

Luminaire Tested: GWS-SA6E-830-U-SL4-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:	P643428
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6E-830-U-SL4-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	34152 lumens
Efficiency:	N/A
Efficacy:	105.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

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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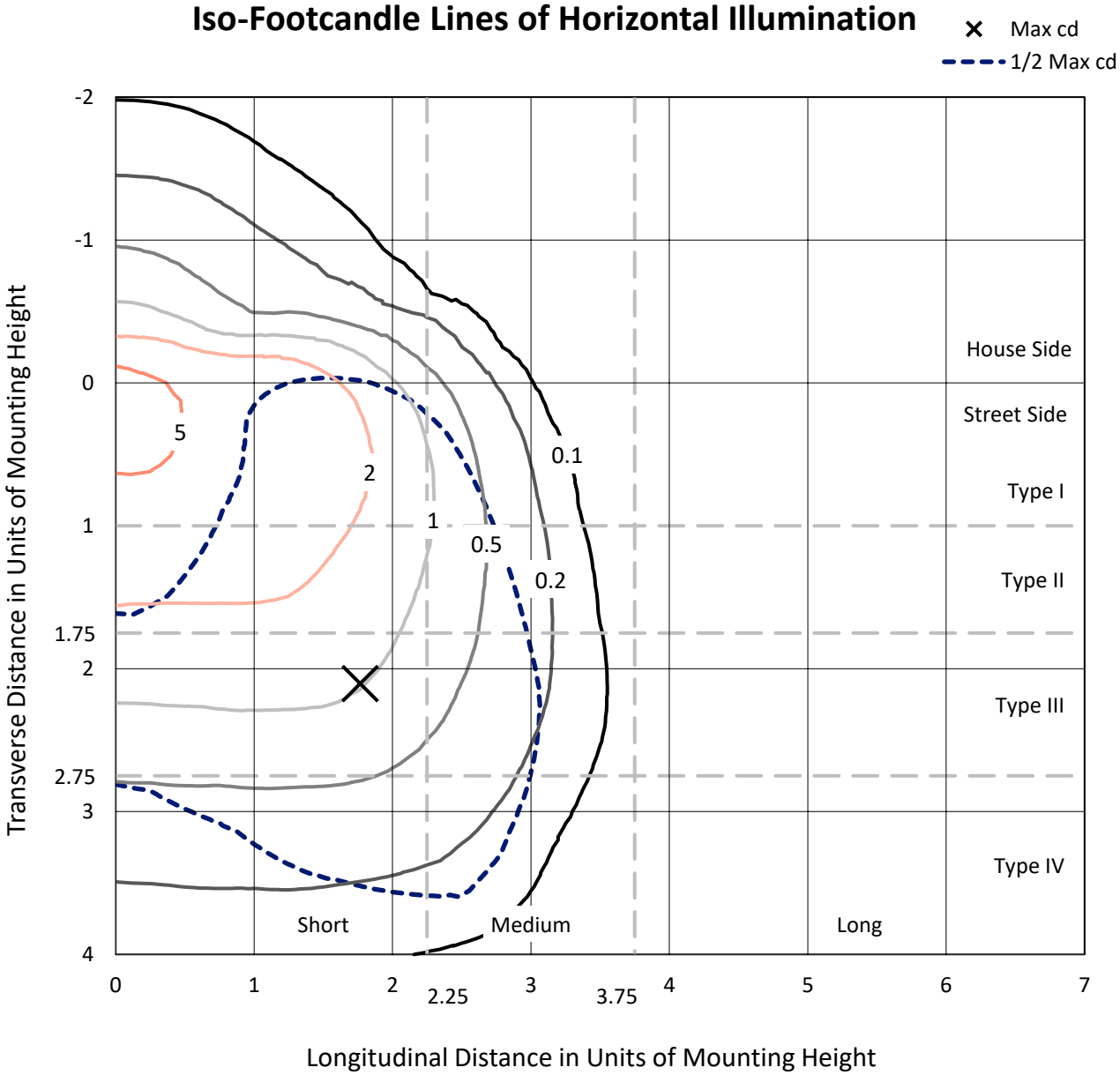
REPORT NUMBER: P643428
CATALOG NUMBER: GWS-SA6E-830-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 6.4 fc
Type IV - Short - N/A

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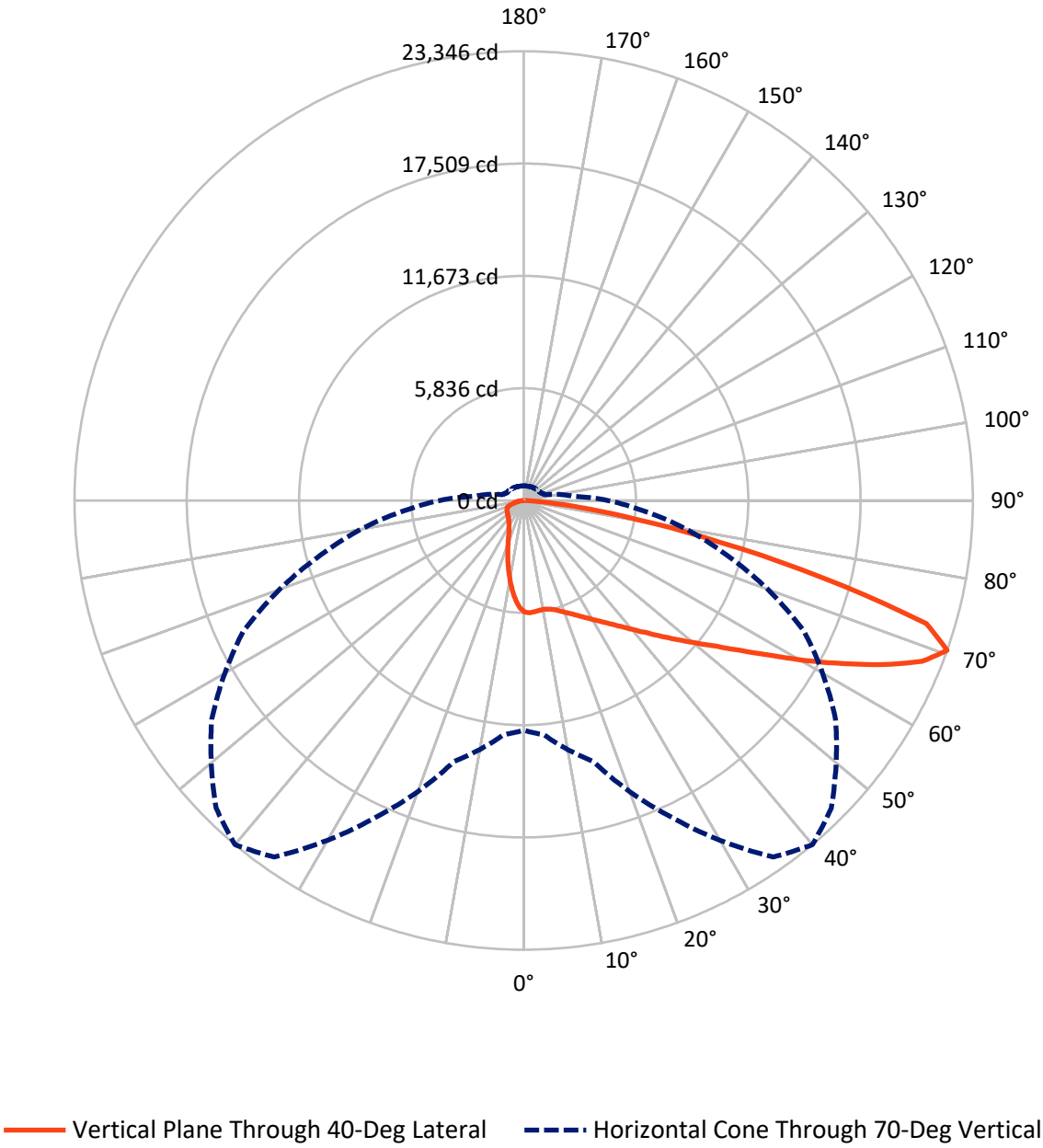
Luminous Intensity Polar Plot



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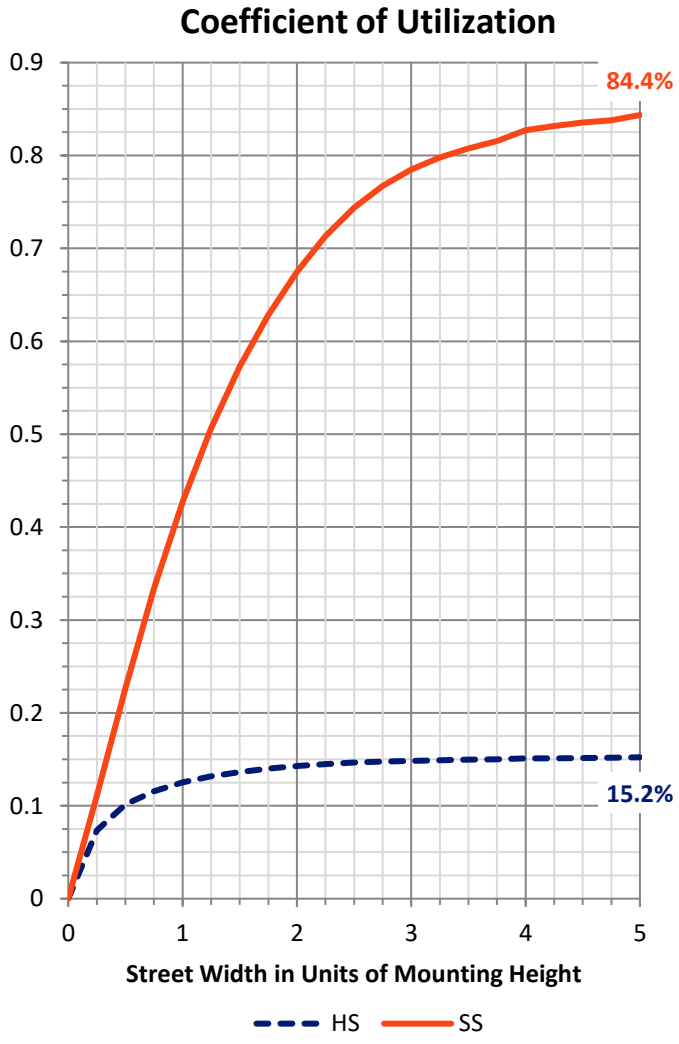
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5260.3	0.0	5260.3
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	28891.7	0.0	28891.7
	% Fixture	84.6	0.0	84.6
Total	Lumens	34152.0	0.0	34152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.3	1.5
10°-20°	1335.4	3.9
20°-30°	2096.9	6.1
30°-40°	3152.7	9.2
40°-50°	4866.2	14.2
50°-60°	7226.8	21.2
60°-70°	9109.2	26.7
70°-80°	5267.8	15.4
80°-90°	584.6	1.7
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°	34152.0	100.0
0°-180°	34152.0	100.0



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REPORT NUMBER: P643428
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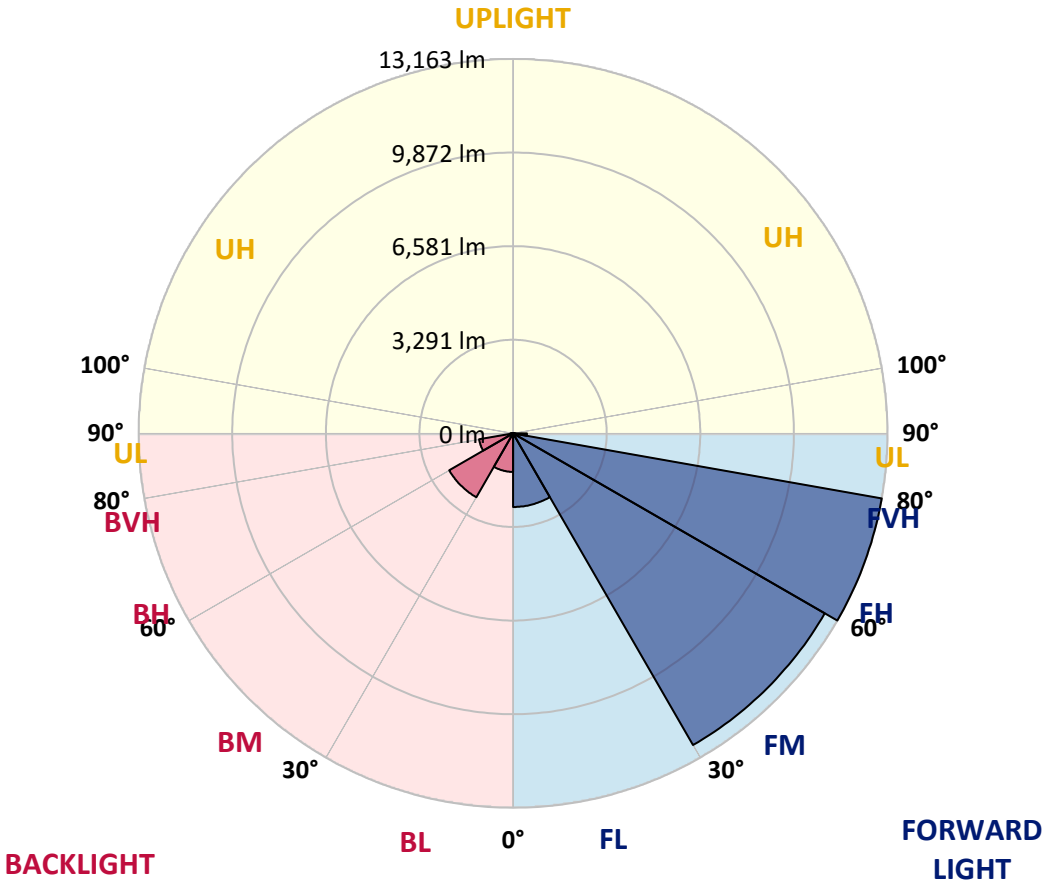
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2589.0	7.6			
FM	(30°-60°)	12652.9	37.0			
FH	(60°-80°)	13163.0	38.5			G5
FVH	(80°-90°)	486.9	1.4			G3/500
BL	(0°-30°)	1355.6	4.0	B3/2500		
BM	(30°-60°)	2592.8	7.6	B3/5000		
BH	(60°-80°)	1214.1	3.6	B3/2500		G3/2500
BVH	(80°-90°)	97.7	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-G5
Type IV Short



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REPORT NUMBER: P643428
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	5799.4	5799.4	5799.4	5799.4	5799.4	*5799.4*	5799.4	5799.4	5799.4	5799.4	5799.4
2.5°	5835.1	5845.3	5852.9	5863.1	5858.0	*5842.7*	5855.5	5855.5	5827.4	5796.9	5768.8
5°	5842.7	5855.5	5852.9	5850.4	5830.0	*5804.5*	5804.5	5789.2	5740.8	5692.3	5646.4
7.5°	5827.4	5824.9	5822.3	5814.7	5791.8	*5763.7*	5758.6	5728.0	5664.3	5598.0	5531.7
10°	5758.6	5756.1	5763.7	5781.6	5776.5	*5751.0*	5751.0	5722.9	5649.0	5567.4	5480.8
12.5°	5702.5	5702.5	5733.1	5781.6	5799.4	*5789.2*	5791.8	5771.4	5687.2	5590.4	5488.4
15°	5710.2	5712.7	5779.0	5858.0	5891.2	*5883.5*	5886.1	5863.1	5768.8	5671.9	5534.3
17.5°	5761.2	5773.9	5888.6	5998.2	6041.6	*6031.4*	6013.5	5975.3	5868.2	5758.6	5590.4
20°	5868.2	5888.6	6036.5	6174.1	6225.1	*6202.2*	6171.6	6095.1	5977.8	5858.0	5651.5
22.5°	6079.8	6092.6	6255.7	6390.8	6431.6	*6403.6*	6342.4	6232.8	6097.7	5972.7	5725.5
25°	6378.1	6393.4	6548.9	6673.8	6663.6	*6630.4*	6546.3	6411.2	6250.6	6118.0	5832.5
27.5°	6732.4	6757.9	6910.8	7010.3	6944.0	*6895.6*	6801.2	6638.1	6457.1	6337.3	5995.7
30°	7119.9	7130.1	7260.1	7359.5	7257.5	*7191.3*	7076.5	6900.7	6737.5	6648.3	6240.4
32.5°	7494.6	7504.8	7617.0	7673.1	7566.0	*7517.6*	7418.1	7232.0	7117.3	7068.9	6604.9
35°	7889.7	7887.2	7979.0	8027.4	7917.8	*7897.4*	7795.4	7652.7	7632.3	7696.0	7137.7
37.5°	8284.9	8261.9	8310.4	8374.1	8312.9	*8333.3*	8267.0	8218.6	8297.6	8463.3	7846.4
40°	8601.0	8601.0	8651.9	8731.0	8751.4	*8840.6*	8802.3	8866.1	9121.0	9516.1	8723.3
42.5°	8881.4	8883.9	8991.0	9113.3	9261.2	*9398.9*	9429.4	9595.1	10122.8	10742.3	9824.6
45°	9174.5	9177.1	9322.4	9500.8	9814.4	*10076.9*	10138.1	10510.3	11264.9	12019.4	11020.1
47.5°	9513.6	9485.5	9686.9	9985.2	10431.3	*10808.6*	10966.6	11494.3	12447.7	13375.6	12146.9
50°	9895.9	9837.3	10061.6	10576.6	11127.2	*11644.7*	11909.8	12514.0	13717.2	14627.2	13207.3
52.5°	10326.8	10293.6	10528.1	11155.2	11996.5	*12593.0*	12952.4	13745.2	14951.0	15873.8	14048.6
55°	10862.1	10783.1	11122.1	11920.0	13016.2	*13775.8*	14201.5	14963.7	16299.5	17005.6	14691.0
57.5°	11448.4	11361.7	11815.5	12875.9	14341.7	*15175.3*	15708.1	16335.2	17569.0	17872.4	15068.2
60°	12080.6	12052.6	12590.4	13997.6	15922.2	*16890.9*	17275.8	17844.3	18672.8	18374.5	14973.9
62.5°	12659.3	12649.1	13431.7	15213.6	17597.0	*18662.6*	18968.5	19118.9	19468.1	18341.4	14224.5
65°	13268.5	13355.2	14413.1	16623.3	19516.6	*20561.7*	20689.2	20306.8	19735.8	17472.1	12689.9
67.5°	13345.0	13513.2	15030.0	17943.7	21336.7	*22323.2*	22221.3	20758.0	18945.6	15053.0	9946.9
70°	*11935.3*	*12228.5*	*14046.0*	*18145.1*	*22618.9*	*23345.5*	*22608.7*	*19786.8*	*16077.7*	*10905.4*	*6255.7*
72.5°	9972.4	10224.8	11830.8	15473.6	20964.5	*21889.9*	20893.1	16748.2	11361.7	6255.7	3186.5
75°	7762.3	8055.4	9536.5	12299.8	15695.3	*16065.0*	15565.3	11680.4	6245.5	2579.8	1447.9
77.5°	4736.4	4948.0	6100.2	8333.3	10981.9	*10428.7*	8838.0	6548.9	2740.4	1236.4	894.8
80°	2095.4	2225.4	3005.5	4476.4	6344.9	*5998.2*	4728.7	2796.5	1498.9	785.1	624.6
82.5°	1124.2	1208.3	1481.1	1771.7	2786.3	*2913.7*	2363.1	1611.1	805.5	448.7	356.9
85°	494.5	543.0	673.0	642.4	915.2	*899.9*	907.5	1106.3	384.9	206.5	232.0
87.5°	0.0	0.0	0.0	0.0	2.5	*2.5*	28.0	147.9	38.2	61.2	53.5
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-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5799.4	5799.4	5799.4	5799.4	5799.4	5799.4	5799.4	5799.4	5799.4	5799.4	5799.4
2.5°	5738.2	5692.3	5679.6	5664.3	5636.3	5587.8	5552.1	5511.3	5493.5	5473.1	5475.7
5°	5595.5	5539.4	5485.9	5417.0	5330.4	5233.5	5167.2	5090.7	5049.9	5011.7	5021.9
7.5°	5473.1	5386.4	5276.8	5131.5	4976.0	4802.7	4662.5	4552.8	4478.9	4427.9	4453.4
10°	5396.6	5294.7	5103.5	4866.4	4603.8	4338.7	4137.3	3948.7	3831.4	3739.7	3734.6
12.5°	5381.3	5248.8	4970.9	4626.8	4246.9	3892.6	3596.9	3342.0	3186.5	3071.8	3115.1
15°	5396.6	5228.4	4856.2	4405.0	3925.7	3446.5	3079.4	2786.3	2600.2	2495.7	2488.0
17.5°	5414.5	5208.0	4726.2	4165.4	3589.3	3041.2	2615.5	2304.5	2113.3	2008.8	2011.3
20°	5429.8	5177.4	4573.2	3902.8	3247.7	2663.9	2222.9	1927.2	1756.4	1679.9	1692.7
22.5°	5455.3	5146.8	4410.1	3622.4	2898.4	2299.4	1911.9	1672.3	1570.3	1519.3	1521.9
25°	5503.7	5129.0	4241.8	3316.5	2554.3	2008.8	1697.8	1537.2	1473.4	1442.8	1440.3
27.5°	5603.1	5144.3	4066.0	3020.8	2243.3	1787.0	1560.1	1455.6	1412.2	1391.9	1389.3
30°	5768.8	5205.4	3913.0	2720.0	1975.6	1613.6	1465.8	1402.1	1376.6	1358.7	1356.2
32.5°	6021.2	5320.2	3747.3	2439.6	1758.9	1486.2	1391.9	1358.7	1340.9	1330.7	1330.7
35°	6403.6	5529.2	3584.2	2194.9	1590.7	1386.8	1333.2	1320.5	1305.2	1300.1	1305.2
37.5°	6954.2	5863.1	3436.3	1980.7	1470.9	1310.3	1269.5	1274.6	1261.8	1269.5	1277.1
40°	7652.7	6309.2	3311.4	1804.8	1381.7	1254.2	1213.4	1231.3	1223.6	1231.3	1244.0
42.5°	8537.2	6862.4	3217.1	1667.2	1317.9	1208.3	1170.1	1187.9	1182.8	1193.0	1205.8
45°	9523.8	7591.5	3173.7	1570.3	1272.0	1175.2	1134.4	1147.1	1142.0	1149.7	1162.4
47.5°	10469.5	8254.3	3212.0	1514.2	1233.8	1147.1	1103.8	1108.9	1106.3	1103.8	1111.4
50°	11285.3	8782.0	3321.6	1496.4	1208.3	1119.1	1078.3	1080.9	1073.2	1057.9	1063.0
52.5°	11950.6	9205.1	3387.9	1496.4	1195.6	1088.5	1050.3	1052.8	1037.5	1017.1	1019.7
55°	12389.1	9375.9	3334.3	1493.8	1190.5	1063.0	1022.2	1024.8	1009.5	984.0	986.5
57.5°	12514.0	9210.2	3110.0	1465.8	1185.4	1042.6	994.2	999.3	989.1	961.0	961.0
60°	12164.7	8603.5	2699.6	1402.1	1172.6	1029.9	973.8	981.4	976.3	948.3	948.3
62.5°	11249.6	7525.2	2210.1	1305.2	1136.9	1014.6	955.9	971.2	984.0	968.7	966.1
65°	9536.5	6028.8	1797.2	1198.1	1091.1	989.1	930.5	968.7	996.7	1017.1	1017.1
67.5°	7155.6	4315.8	1465.8	1086.0	1022.2	938.1	897.3	933.0	953.4	966.1	973.8
70°	*4361.7*	*2539.0*	*1154.8*	*955.9*	*922.8*	*861.6*	*831.0*	*795.3*	*767.3*	*762.2*	*764.8*
72.5°	2133.7	1453.0	938.1	813.2	787.7	731.6	662.8	647.5	634.7	627.1	624.6
75°	1175.2	1012.0	775.0	675.5	629.6	560.8	545.5	520.0	514.9	504.7	507.3
77.5°	831.0	797.9	639.8	548.1	479.2	443.6	451.2	433.4	433.4	425.7	423.2
80°	624.6	627.1	492.0	400.2	354.3	341.6	349.2	349.2	344.1	341.6	339.0
82.5°	395.1	446.1	331.4	257.5	252.4	254.9	252.4	249.8	254.9	247.3	244.7
85°	272.8	321.2	201.4	153.0	153.0	150.4	155.5	153.0	158.0	150.4	150.4
87.5°	61.2	142.8	73.9	45.9	48.4	45.9	48.4	51.0	56.1	58.6	58.6
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

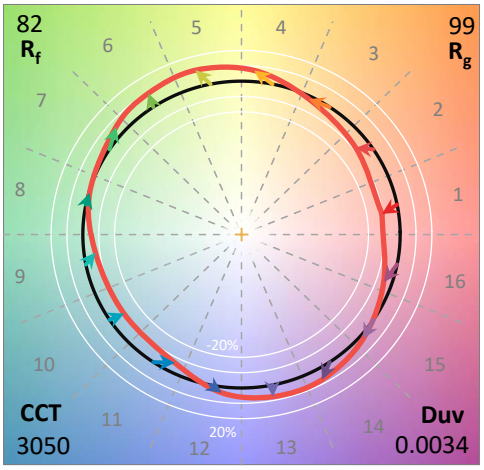
Test Information

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

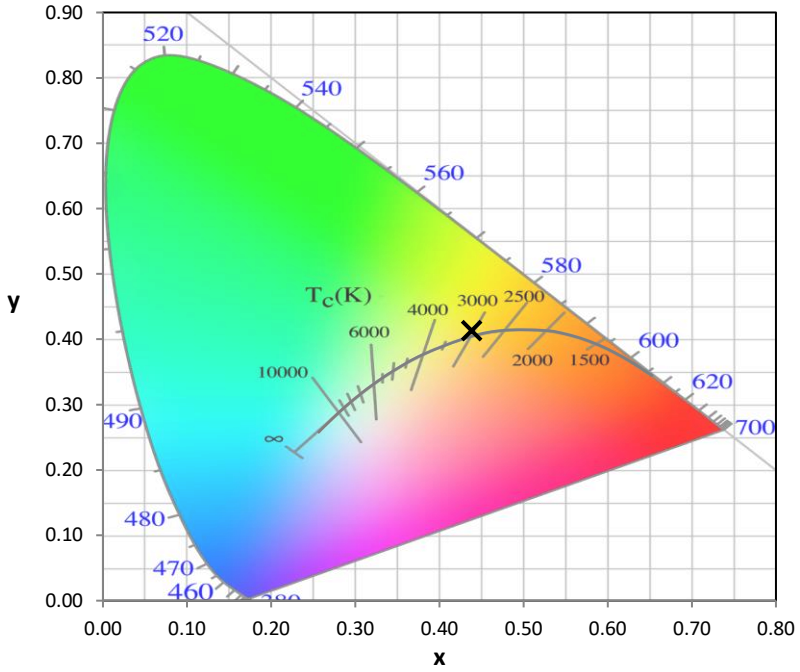
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

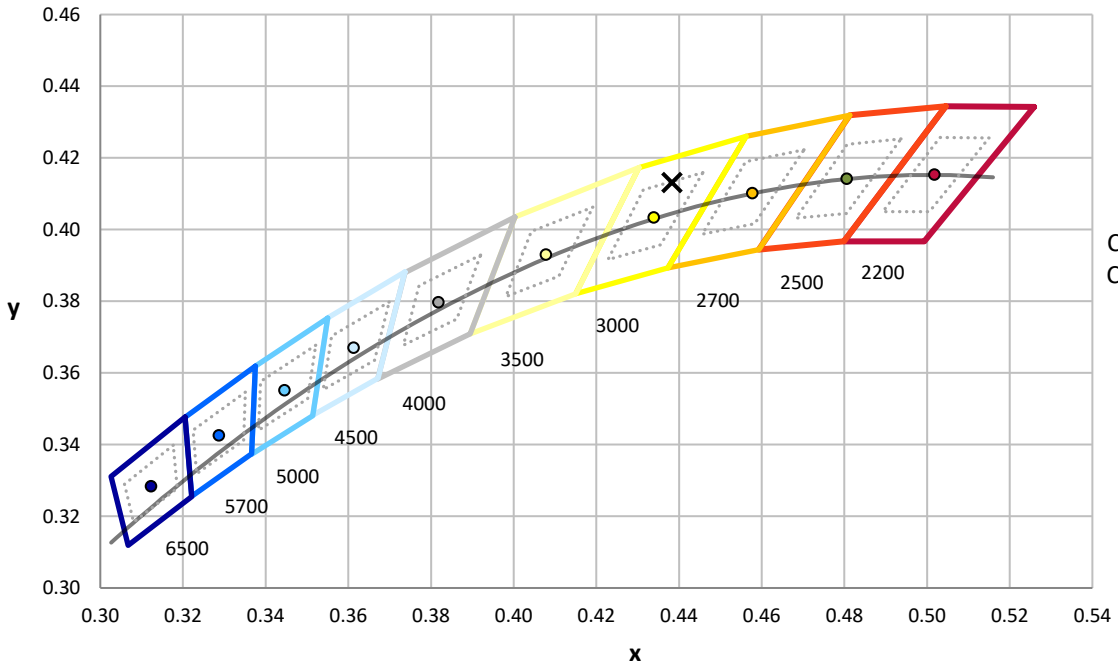
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

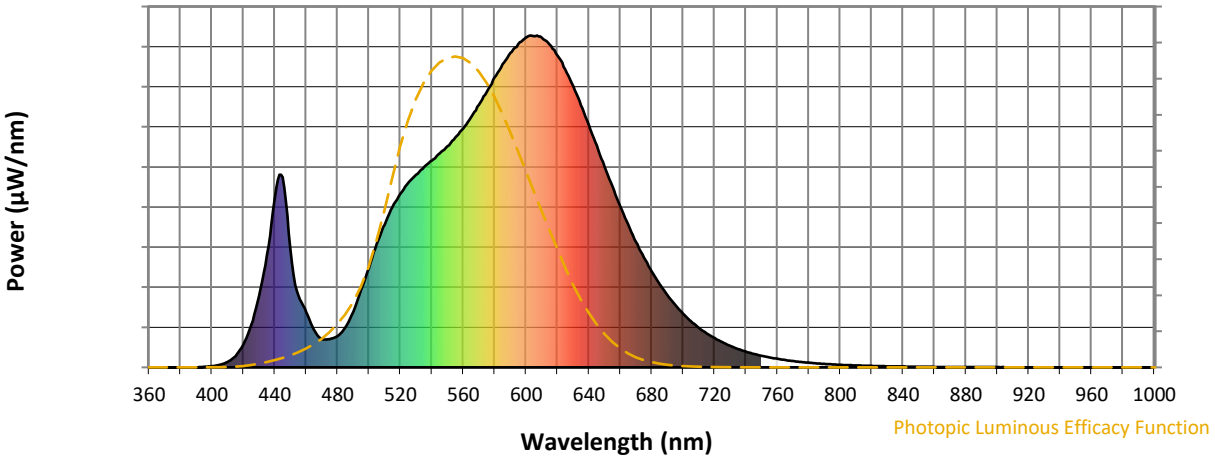


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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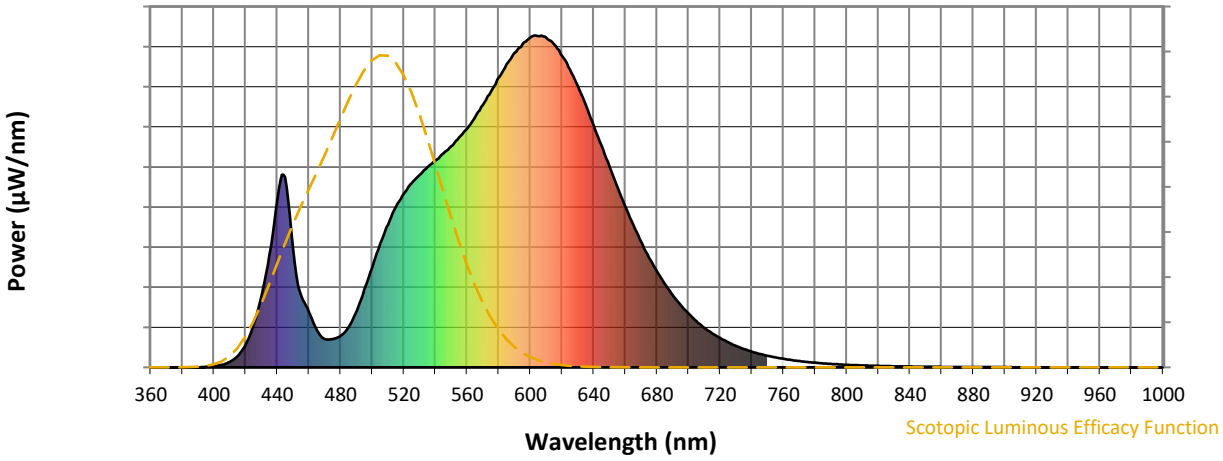
Scotopic Flux vs. Wavelength



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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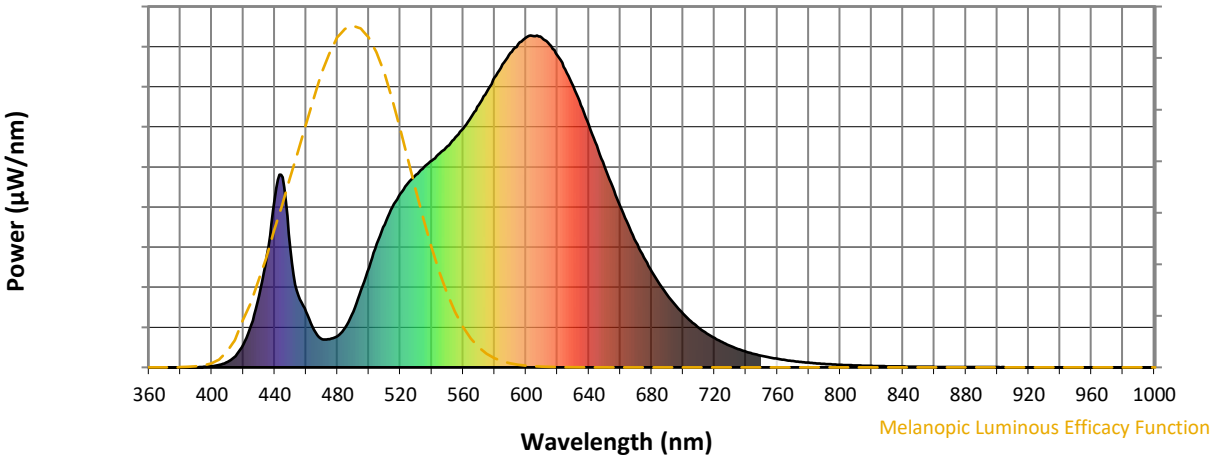
Melanopic Flux vs. Wavelength



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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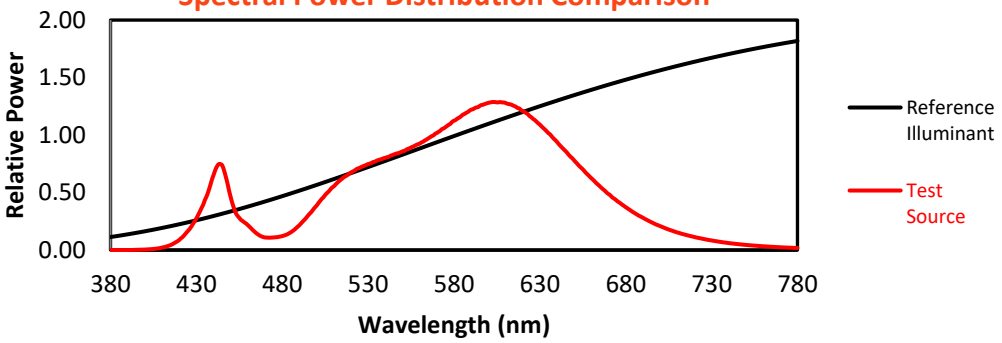
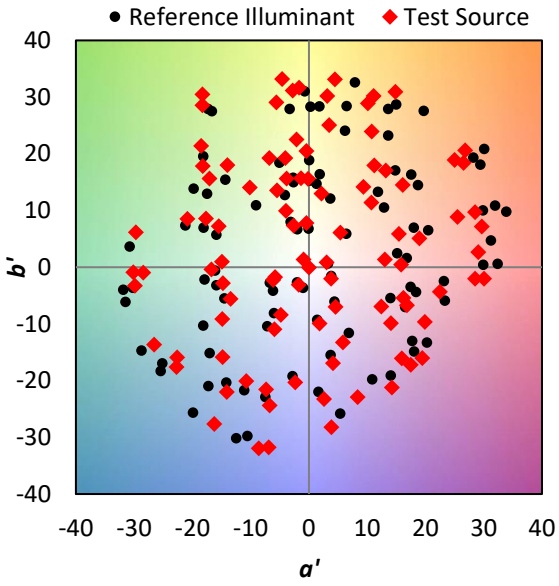
Summary

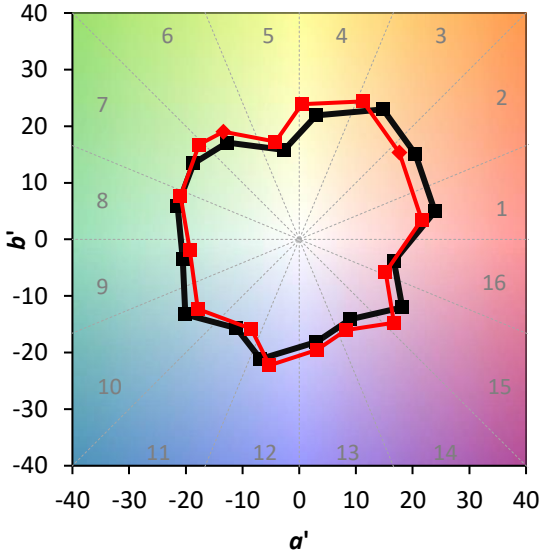
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

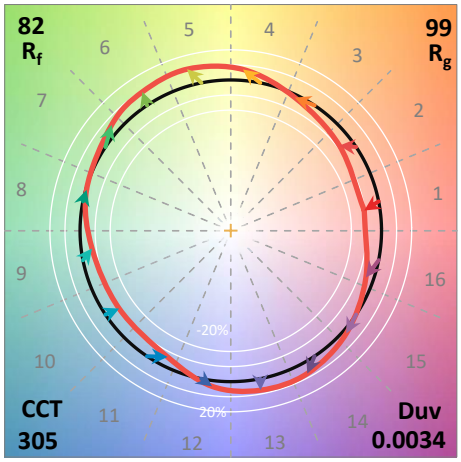
Spectral Power Distribution Comparison

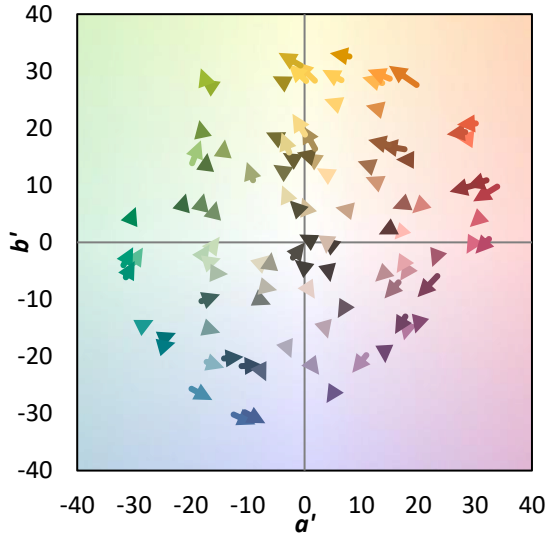


Color Vector Graphics









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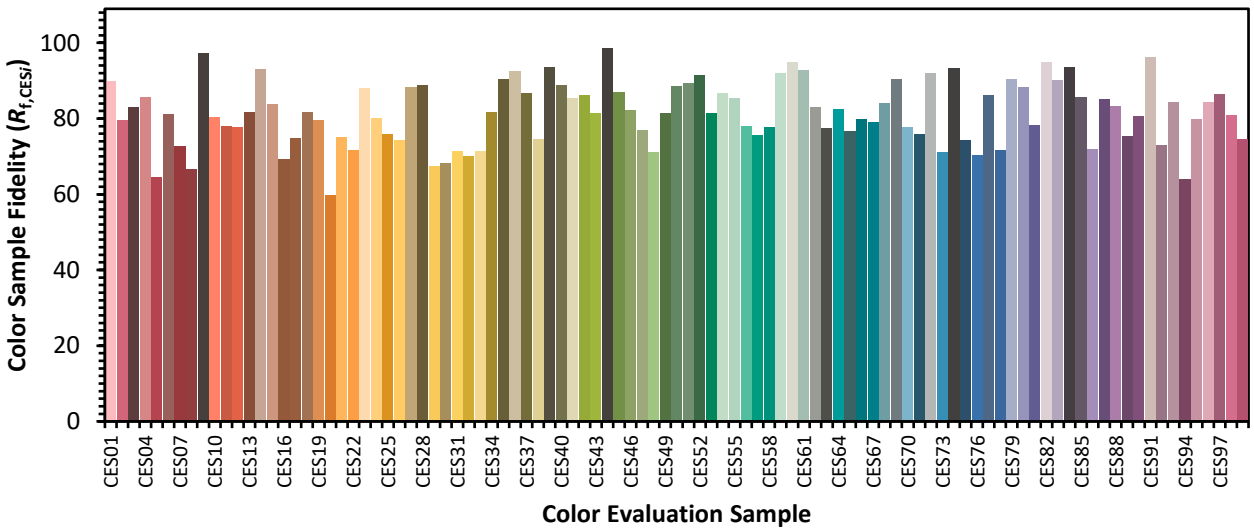
Individual Sample Fidelity Index ($R_{f,i}$)

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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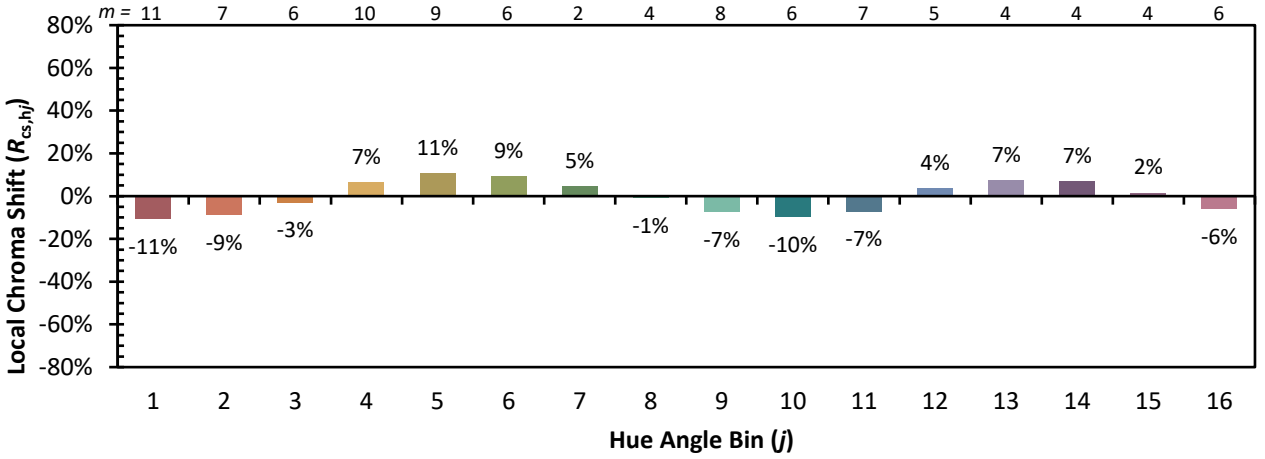
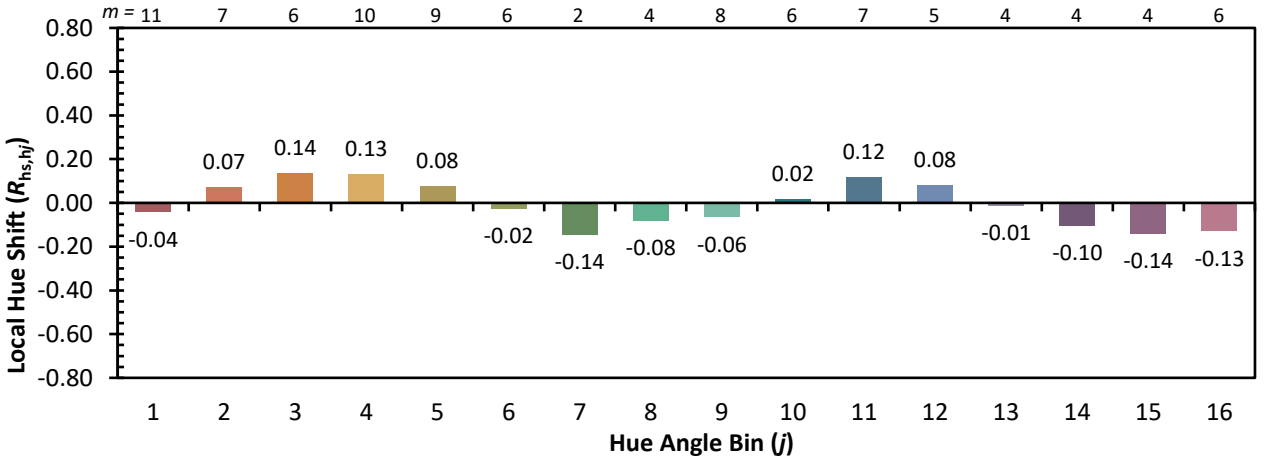
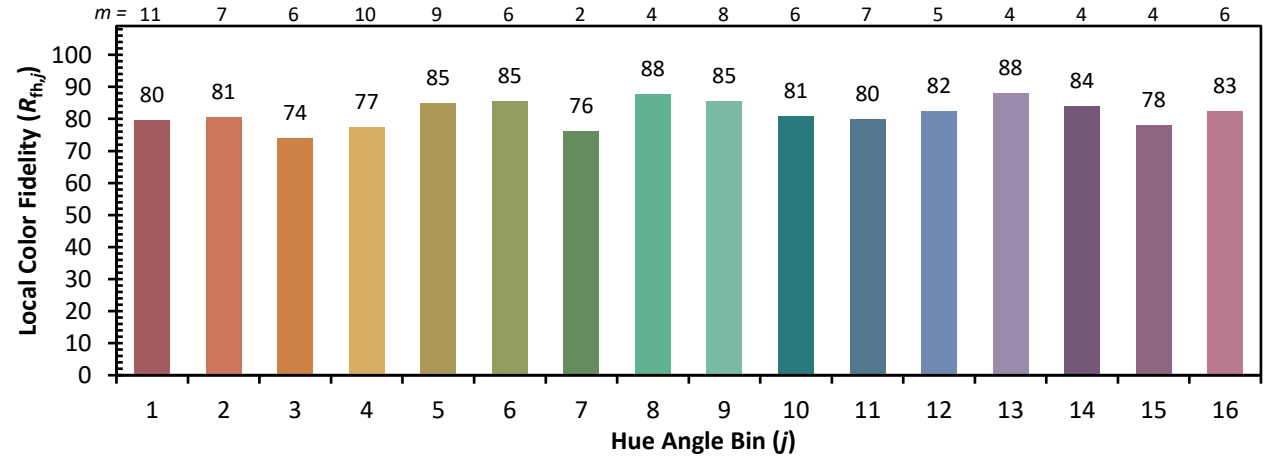
Color Rendition by Hue-Angle Bin







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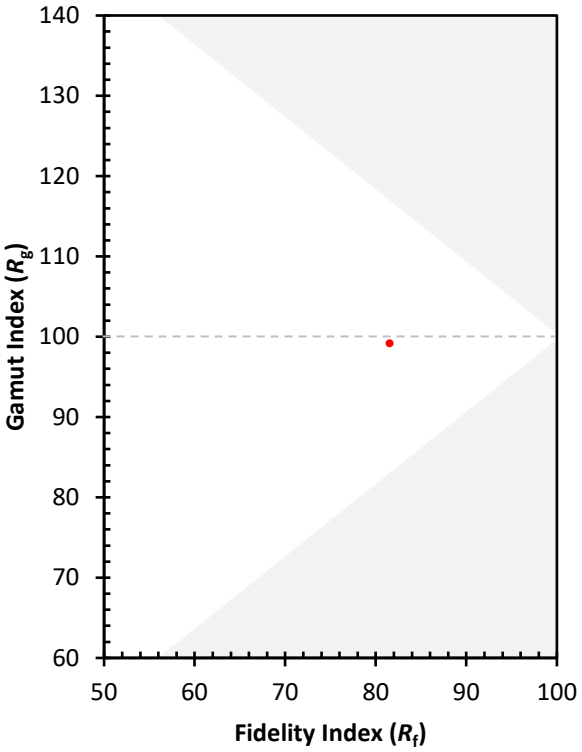
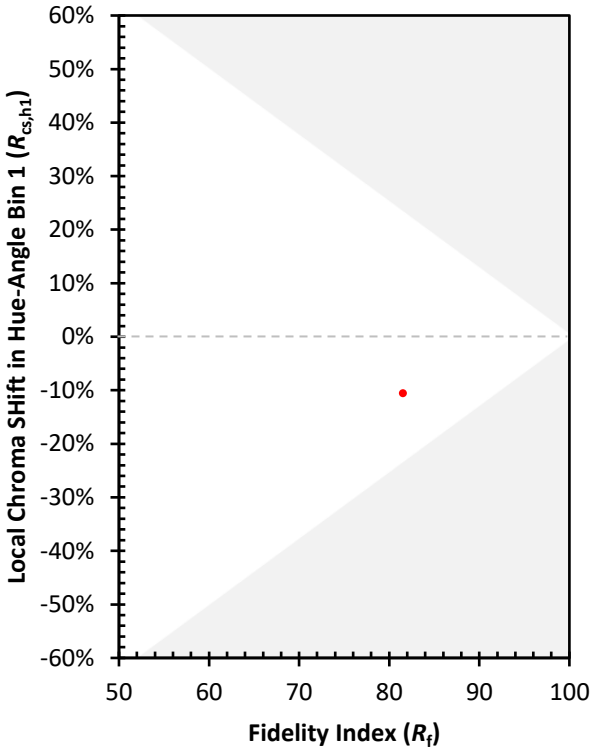
Measure Comparisons





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