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: P643415

Luminaire Tested: GWS-SA6E-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:	P643415
	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-SA6E-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:	36211.8 lumens
Efficiency:	N/A
Efficacy:	111.8 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):	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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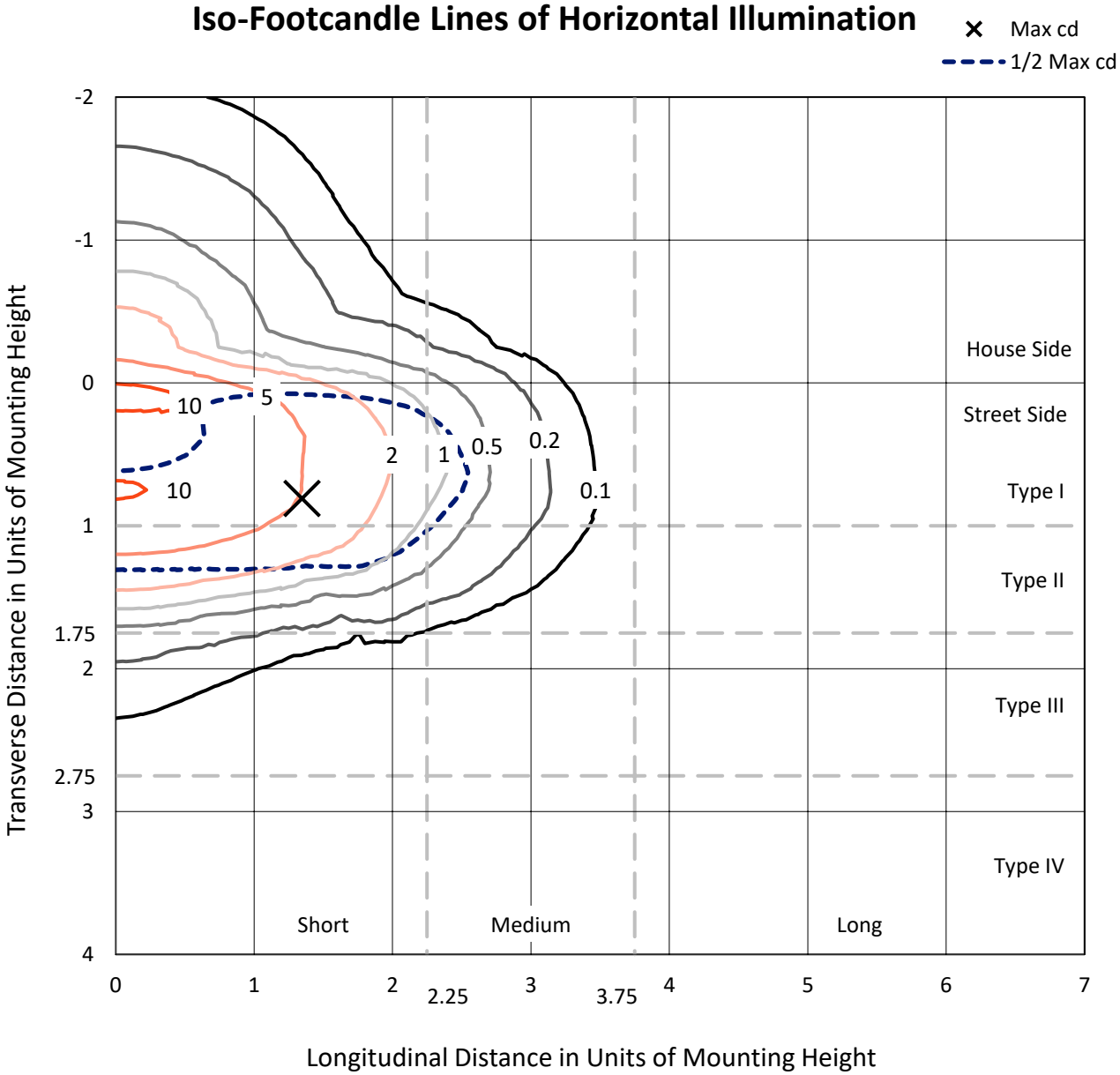
Scaled Data Report

REPORT NUMBER: P643415
CATALOG NUMBER: GWS-SA6E-830-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 12.1 fc
Type II - Short - N/A

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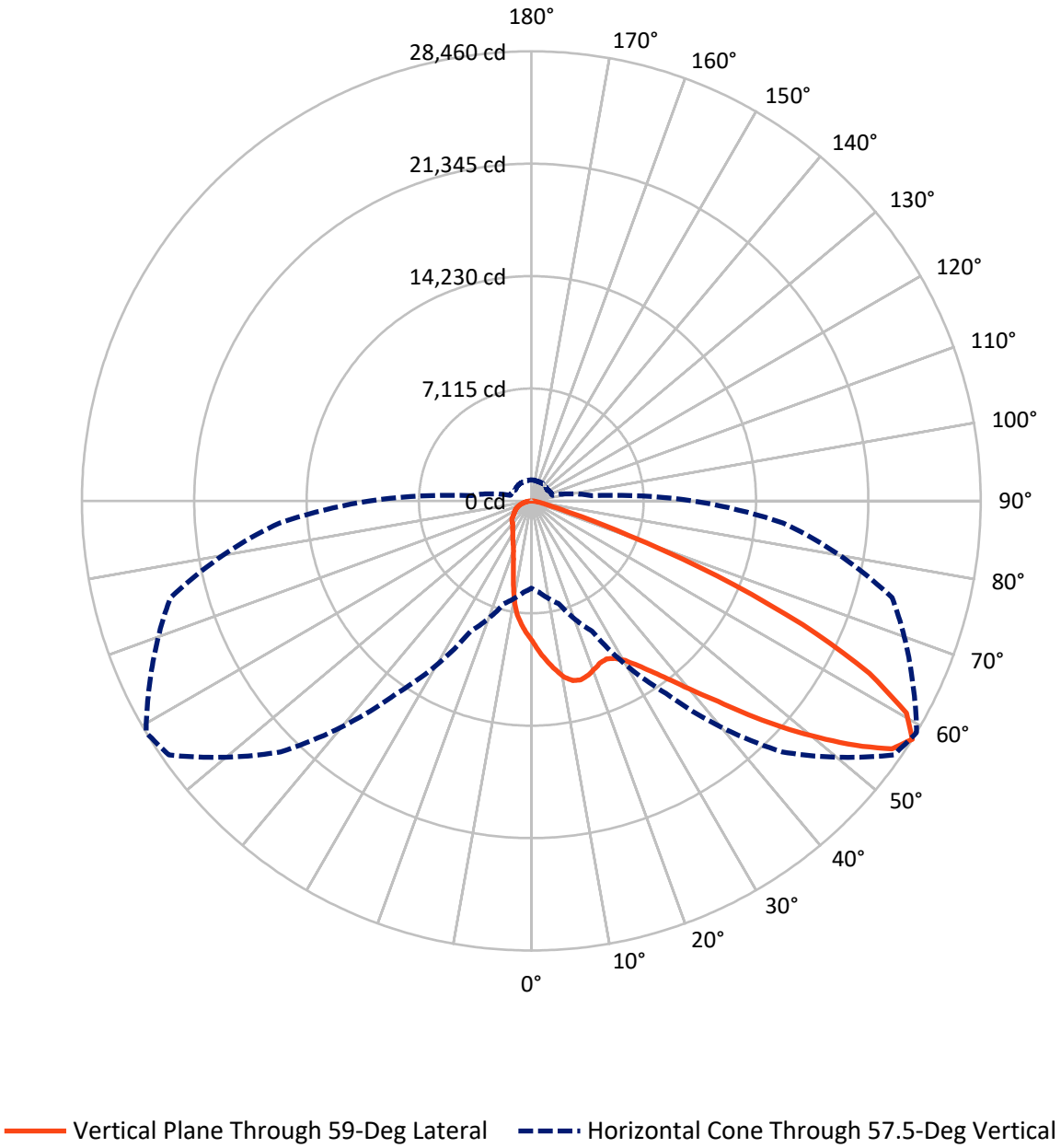
Luminous Intensity Polar Plot



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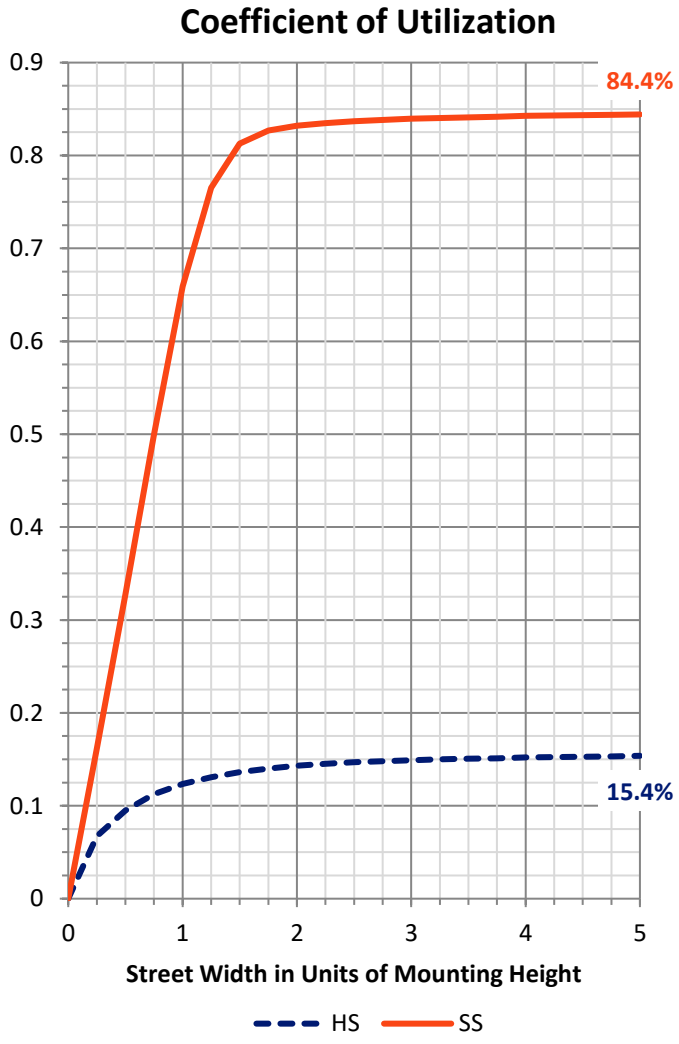
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5619.9	0.0	5619.9
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	30591.9	0.0	30591.9
	% Fixture	84.5	0.0	84.5
Total	Lumens	36211.8	0.0	36211.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	825.4	2.3
10°-20°	2091.5	5.8
20°-30°	3390.4	9.4
30°-40°	5453.9	15.1
40°-50°	8469.4	23.4
50°-60°	9122.6	25.2
60°-70°	5294.4	14.6
70°-80°	1382.1	3.8
80°-90°	182.1	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°	36211.8	100.0
0°-180°	36211.8	100.0



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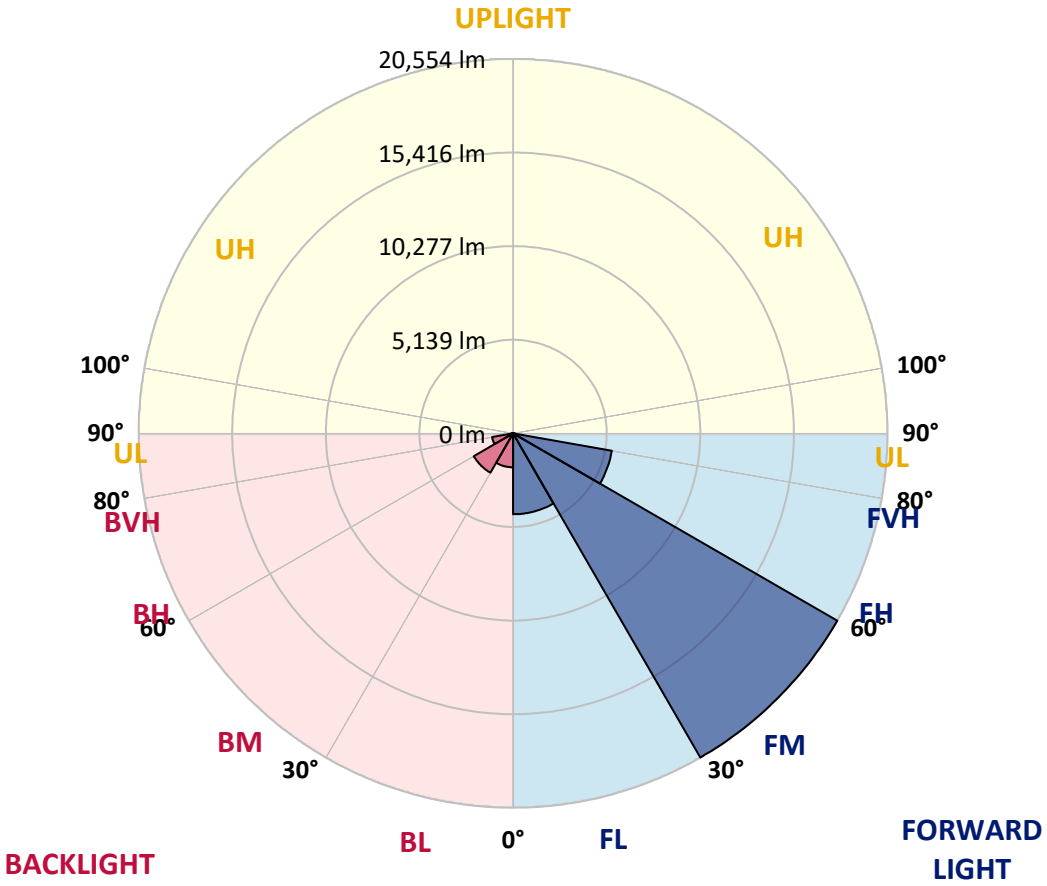
REPORT NUMBER: P643415
CATALOG NUMBER: GWS-SA6E-830-U-AFL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4442.8	12.3			
FM	(30°-60°)	20554.2	56.8			
FH	(60°-80°)	5507.7	15.2			G3/7500
FVH	(80°-90°)	87.2	0.2			G1/100
BL	(0°-30°)	1864.4	5.1	B3/2500		
BM	(30°-60°)	2491.6	6.9	B2/2500		
BH	(60°-80°)	1168.9	3.2	B3/2500		G3/2500
BVH	(80°-90°)	94.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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Scaled Data Report

REPORT NUMBER: P643415
CATALOG NUMBER: GWS-SA6E-830-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	8889.3	8889.3	8889.3	8889.3	8889.3	8889.3	8889.3	*8889.3*	8889.3	8889.3	8889.3
2.5°	10082.3	9998.2	10056.8	9952.3	9909.0	9794.3	9646.4	*9547.0*	9394.0	9195.2	9021.8
5°	11084.2	11025.6	11038.3	10926.1	10826.7	10635.5	10332.2	*10163.9*	9903.9	9503.6	9131.5
7.5°	11053.6	11122.4	11160.7	11257.5	11285.6	11267.7	10995.0	*10760.4*	10474.9	9873.3	9312.5
10°	9909.0	10039.0	10156.3	10487.7	10890.4	11400.3	11464.0	*11323.8*	11035.8	10344.9	9529.1
12.5°	8662.4	8761.8	8866.3	9264.0	9880.9	10900.6	11591.5	*11678.2*	11563.4	10811.4	9773.9
15°	8050.6	8096.5	8195.9	8458.4	8950.5	10082.3	11369.7	*11749.5*	11956.0	11306.0	10049.2
17.5°	8025.1	8045.5	8093.9	8234.1	8575.7	9450.1	10969.5	*11606.8*	12264.5	11828.6	10370.4
20°	8552.8	8499.2	8468.6	8466.1	8634.3	9238.5	10582.0	*11377.4*	12409.8	12363.9	10714.5
22.5°	9284.4	9302.3	9236.0	9072.8	9052.4	9388.9	10388.2	*11145.4*	12453.1	12838.1	11033.2
25°	10322.0	10411.2	10214.9	9903.9	9750.9	9824.9	10508.1	*11074.0*	12448.0	13233.2	11232.0
27.5°	11532.9	11601.7	11402.8	10995.0	10678.9	10500.4	10865.0	*11285.6*	12491.4	13574.8	11351.9
30°	12912.0	12934.9	12662.2	12233.9	11772.5	11390.1	11458.9	*11721.5*	12713.2	14023.5	11492.1
32.5°	14597.1	14693.9	14281.0	13602.9	12957.9	12468.4	12256.8	*12425.1*	13192.4	14553.7	11708.8
35°	16735.9	16769.0	16243.9	15272.6	14360.0	13681.9	13238.3	*13327.5*	13921.5	15295.6	12035.1
37.5°	18752.4	18785.5	18227.2	17324.8	16019.6	15091.6	14449.2	*14408.4*	14854.5	16343.3	12567.9
40°	20032.1	20126.4	19876.6	19310.7	18064.1	16812.4	15940.5	*15800.3*	16078.2	17625.6	13309.7
42.5°	20720.4	20761.2	20756.1	20830.0	20088.2	18844.1	17623.0	*17342.6*	17528.7	19009.8	14059.2
45°	20725.5	20827.5	21100.2	21811.5	21844.6	21069.6	19749.1	*19310.7*	19139.9	20404.3	14841.8
47.5°	19797.6	19907.2	20656.7	22056.2	23088.7	23264.6	22295.8	*21416.3*	20697.4	21605.0	15484.2
50°	16988.3	17263.6	18691.2	21166.5	23333.4	25023.5	24725.3	*23532.2*	22081.7	22532.9	15887.0
52.5°	14548.6	14538.4	15417.9	18652.9	22311.1	25798.5	27075.7	*25709.3*	23450.7	23121.8	15989.0
55°	10653.4	10712.0	11611.9	14265.7	19583.4	25049.0	28368.2	*27713.0*	25021.0	23435.4	15948.2
57.5°	*5524.2*	*5814.9*	*6737.7*	*9103.4*	*14880.0*	*22469.2*	*28024.0*	*28459.9*	*26616.8*	*23657.1*	*16001.7*
60°	2791.4	2735.4	3066.8	4346.5	8621.6	17549.1	25903.0	*27292.4*	26904.9	23830.5	16034.9
62.5°	1863.5	1848.2	1756.4	2013.9	3523.1	10393.3	22081.7	*24029.3*	24903.7	23422.6	15611.7
65°	1613.7	1583.1	1414.8	1404.6	1710.6	4310.8	16185.3	*18890.0*	20582.7	21610.1	14599.6
67.5°	1453.1	1407.2	1236.4	1152.3	1228.7	1894.1	9121.3	*12669.8*	15198.7	18275.7	12381.8
70°	1297.6	1274.6	1103.8	981.5	973.8	1154.8	3359.9	*6538.9*	9299.7	12468.4	9052.4
72.5°	1162.5	1121.7	976.4	859.1	800.5	818.3	1458.2	*2518.7*	4813.0	7777.8	5414.6
75°	1007.0	976.4	848.9	731.6	660.3	599.1	889.7	*1165.0*	2194.9	3696.4	2556.9
77.5°	777.5	757.1	670.5	581.2	540.4	446.1	540.4	*734.2*	1014.6	1557.6	1330.7
80°	451.2	464.0	499.7	453.8	397.7	318.7	351.8	*423.2*	609.3	843.8	754.6
82.5°	226.9	242.2	323.8	262.6	237.1	186.1	209.0	*249.8*	318.7	466.5	295.7
85°	17.8	17.8	58.6	66.3	81.6	66.3	84.1	*102.0*	145.3	186.1	99.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.6	*12.7*	22.9	43.3	28.0
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: P643415
CATALOG NUMBER: GWS-SA6E-830-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8889.3	8889.3	8889.3	8889.3	8889.3	8889.3	8889.3	8889.3	8889.3	8889.3	8889.3
2.5°	8904.6	8774.6	8619.1	8491.6	8295.3	8190.8	8058.2	7895.1	7828.8	7798.2	7780.3
5°	8922.4	8693.0	8361.6	8055.7	7716.6	7448.9	7150.7	6839.7	6661.2	6617.9	6587.3
7.5°	8988.7	8667.5	8139.8	7635.0	7005.4	6421.6	5853.1	5289.7	5001.6	4892.0	4881.8
10°	9080.5	8657.3	7915.5	7076.7	6013.7	5090.9	4425.5	3984.5	3798.4	3737.2	3716.8
12.5°	9195.2	8649.6	7619.7	6301.8	4869.1	3997.2	3617.4	3546.0	3571.5	3566.4	3566.4
15°	9340.5	8659.8	7262.8	5424.8	3938.6	3469.5	3477.2	3561.3	3640.3	3653.1	3653.1
17.5°	9498.5	8649.6	6745.3	4545.3	3380.3	3344.6	3461.9	3579.2	3650.5	3660.7	3660.7
20°	9669.3	8601.2	6092.7	3716.8	3135.6	3265.6	3393.1	3484.8	3528.2	3538.4	3538.4
22.5°	9771.3	8463.5	5384.0	3145.8	2980.1	3140.7	3224.8	3319.1	3324.2	3242.7	3240.1
25°	9756.0	8206.1	4575.9	2778.7	2814.4	2954.6	3061.7	2995.4	2913.8	2867.9	2860.3
27.5°	9659.1	7818.6	3752.5	2500.8	2618.1	2776.1	2743.0	2686.9	2666.5	2615.5	2610.4
30°	9536.8	7341.9	3013.2	2284.1	2414.2	2559.5	2508.5	2503.4	2483.0	2426.9	2426.9
32.5°	9419.5	6849.9	2454.9	2123.5	2284.1	2294.3	2365.7	2370.8	2360.6	2263.7	2253.5
35°	9386.4	6357.9	2077.6	1996.1	2156.7	2151.6	2253.5	2251.0	2075.1	1940.0	1937.4
37.5°	9485.8	5858.2	1853.3	1891.6	1980.8	2047.1	2128.6	1980.8	1922.1	1840.6	1835.5
40°	9697.4	5396.8	1738.6	1830.4	1868.6	1965.5	1838.0	1848.2	1832.9	1771.7	1764.1
42.5°	9977.8	5004.2	1674.9	1810.0	1804.9	1830.4	1690.2	1730.9	1753.9	1708.0	1700.4
45°	10248.0	4662.6	1641.7	1733.5	1759.0	1611.1	1583.1	1621.3	1657.0	1639.2	1631.5
47.5°	10446.9	4366.9	1623.9	1629.0	1700.4	1537.2	1491.3	1509.2	1552.5	1560.1	1557.6
50°	10508.1	4114.5	1603.5	1542.3	1527.0	1463.3	1427.6	1422.5	1473.5	1509.2	1514.3
52.5°	10390.8	3890.2	1550.0	1465.8	1391.9	1402.1	1389.3	1363.9	1414.8	1463.3	1468.4
55°	10217.4	3762.7	1465.8	1391.9	1305.2	1346.0	1351.1	1328.2	1361.3	1394.4	1394.4
57.5°	*10230.2*	*3836.6*	*1384.2*	*1323.1*	*1228.7*	*1282.3*	*1310.3*	*1300.1*	*1300.1*	*1325.6*	*1328.2*
60°	10314.3	3943.7	1330.7	1236.4	1152.3	1208.3	1272.1	1261.9	1238.9	1272.1	1272.1
62.5°	10072.1	3800.9	1295.0	1152.3	1070.7	1137.0	1213.4	1208.3	1182.9	1236.4	1241.5
65°	9358.3	3418.6	1254.2	1047.7	989.1	1065.6	1131.9	1149.7	1126.8	1198.2	1210.9
67.5°	7844.1	2875.6	1175.2	948.3	907.5	978.9	1042.6	1068.1	1050.3	1134.4	1144.6
70°	5848.0	2327.5	1050.3	838.7	808.1	871.8	930.5	940.7	943.2	1042.6	1052.8
72.5°	3729.6	1810.0	884.6	716.3	693.4	741.8	785.2	826.0	843.8	938.1	935.6
75°	2080.2	1346.0	711.2	606.7	565.9	604.2	655.2	703.6	754.6	892.2	907.5
77.5°	1198.2	945.8	563.4	486.9	438.5	479.3	522.6	591.4	744.4	864.2	848.9
80°	675.6	614.4	425.7	356.9	326.3	356.9	390.0	520.0	586.3	637.3	645.0
82.5°	316.1	344.2	290.6	219.2	219.2	239.6	270.2	402.8	443.6	362.0	316.1
85°	114.7	155.5	142.8	112.2	99.4	96.9	168.3	229.4	142.8	127.5	109.6
87.5°	30.6	43.3	40.8	28.0	15.3	12.7	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

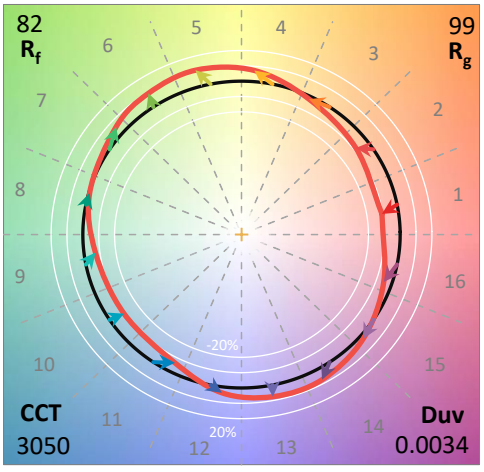
Test Information

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

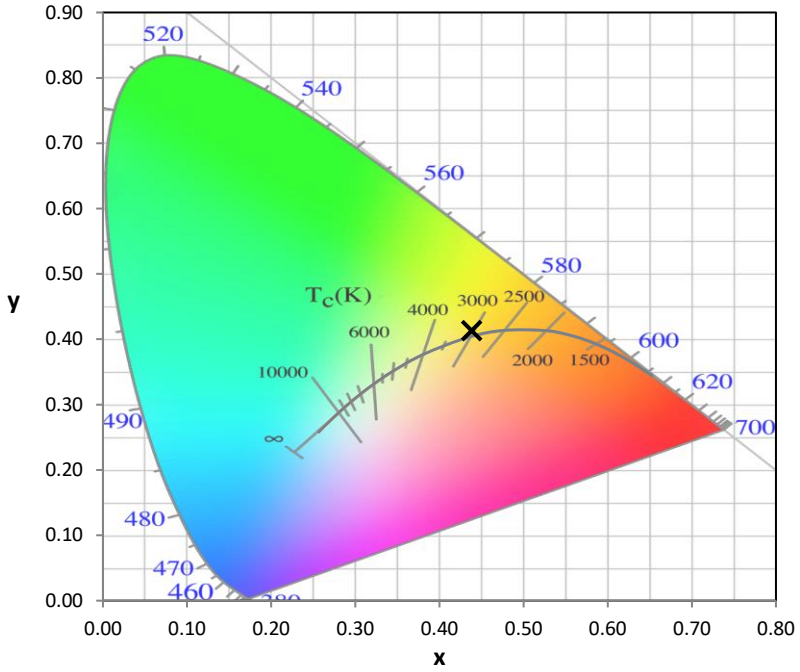
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

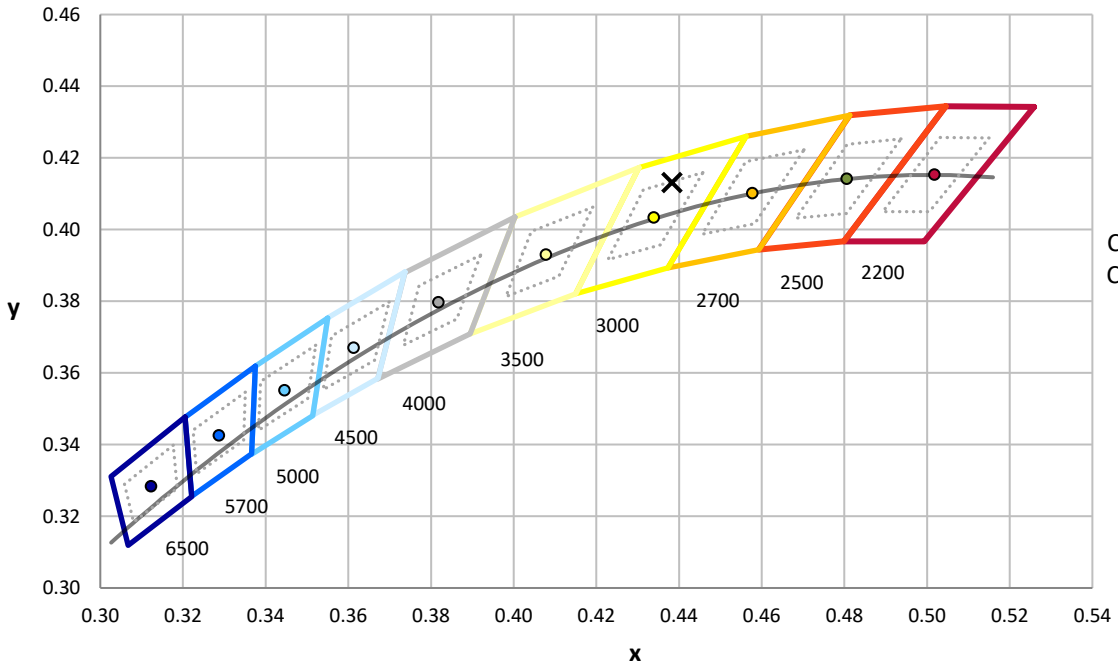
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

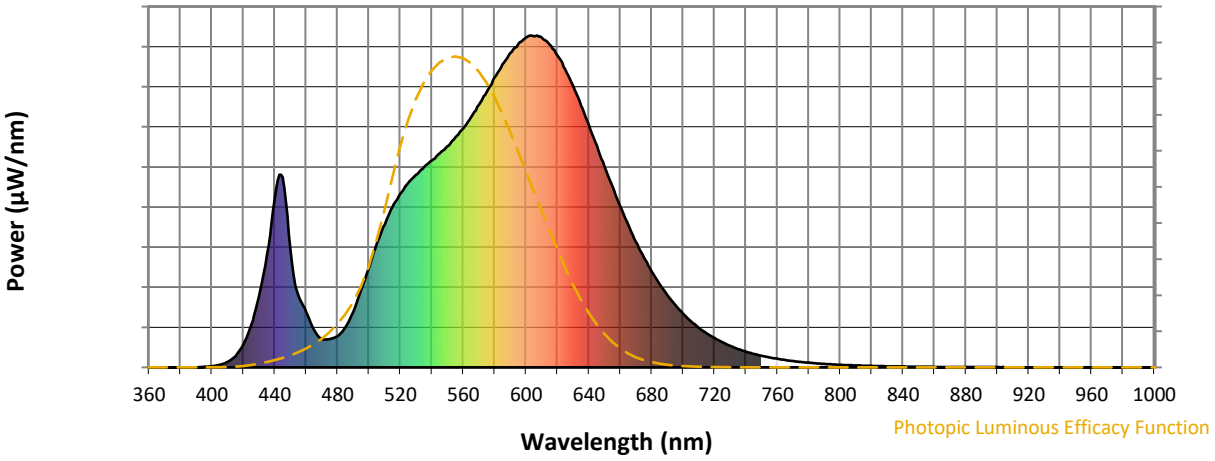


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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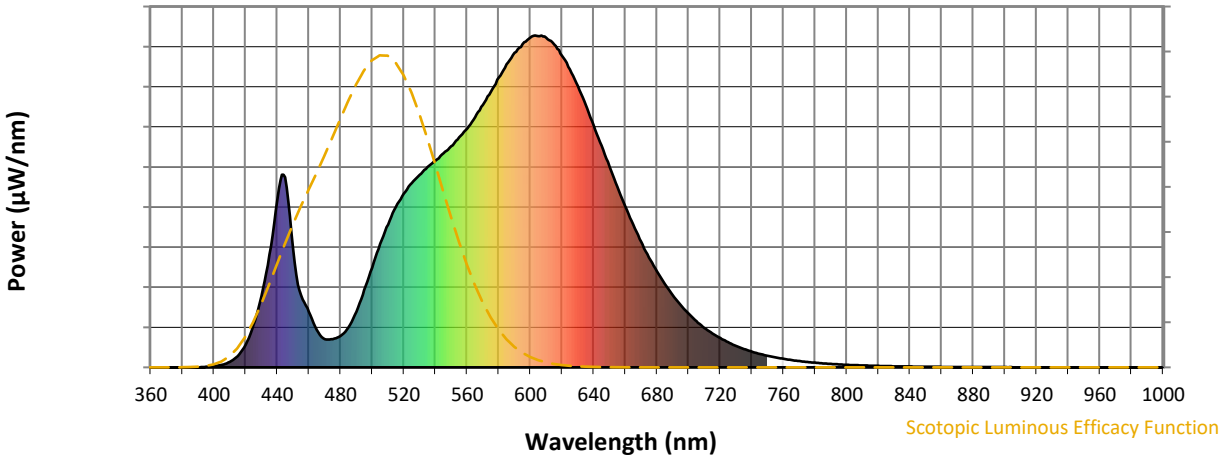
Scotopic Flux vs. Wavelength



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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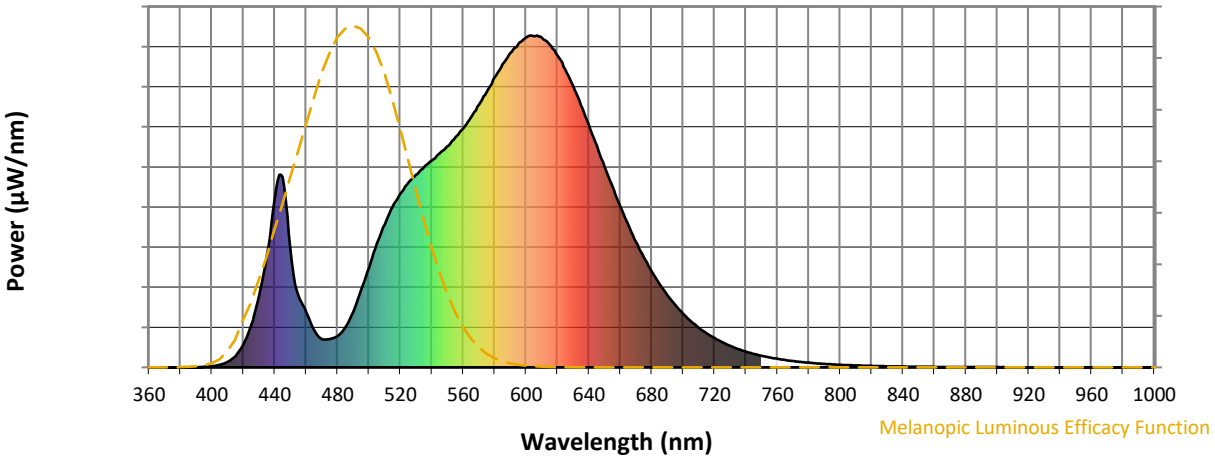
Melanopic Flux vs. Wavelength



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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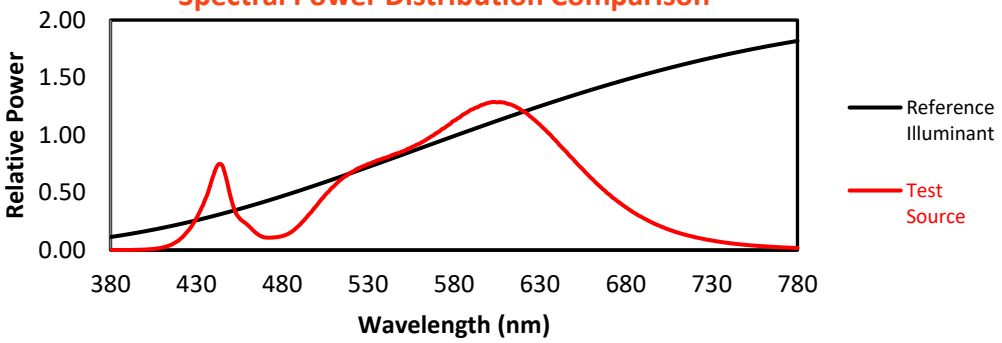
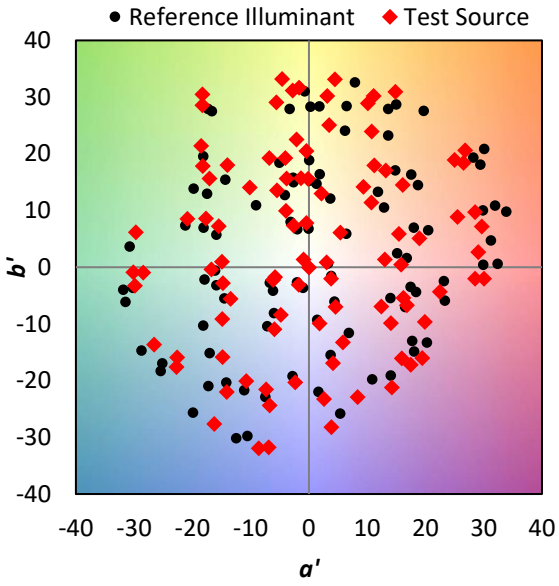
Summary

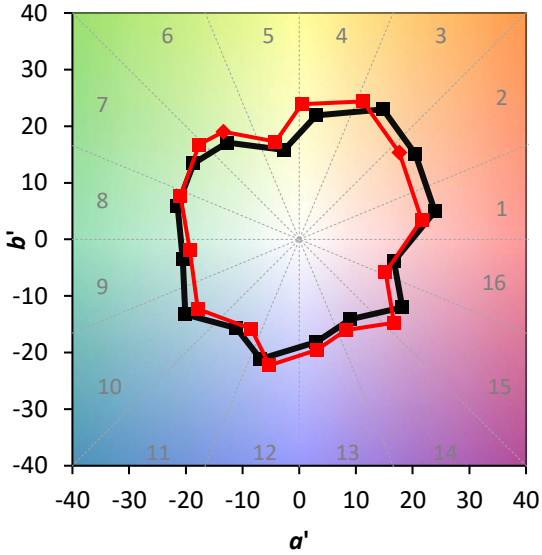
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

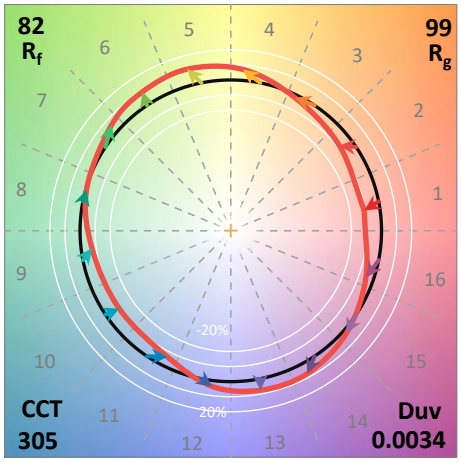
Spectral Power Distribution Comparison

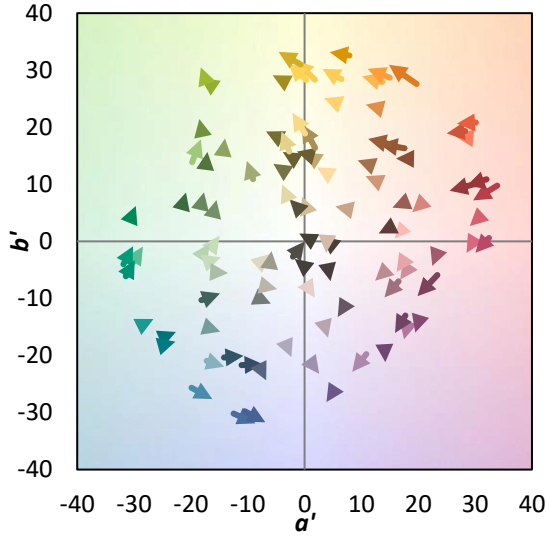


Color Vector Graphics









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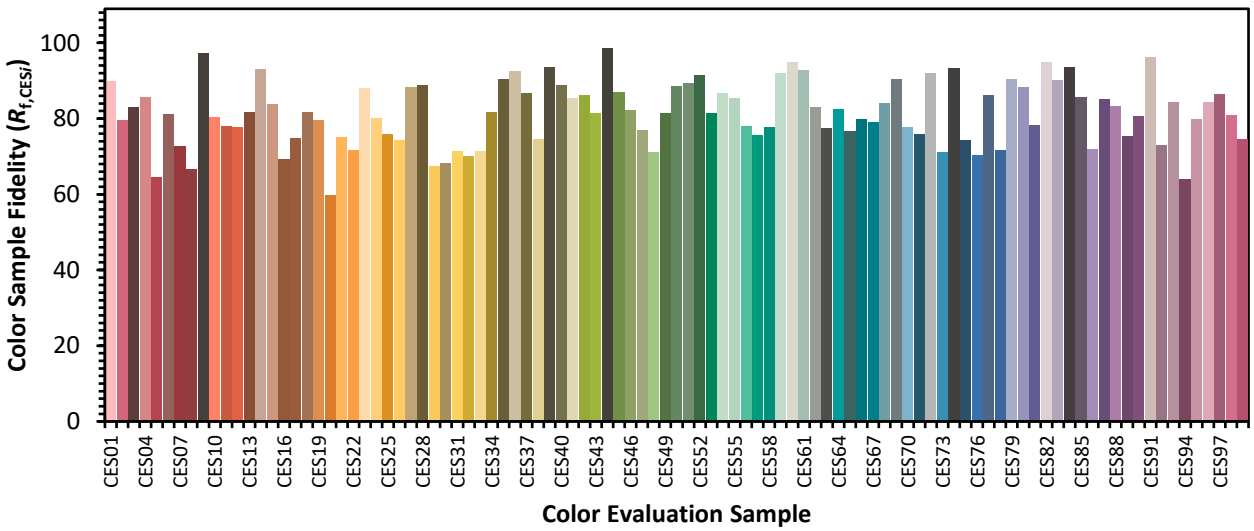
Individual Sample Fidelity Index ($R_{f,i}$)

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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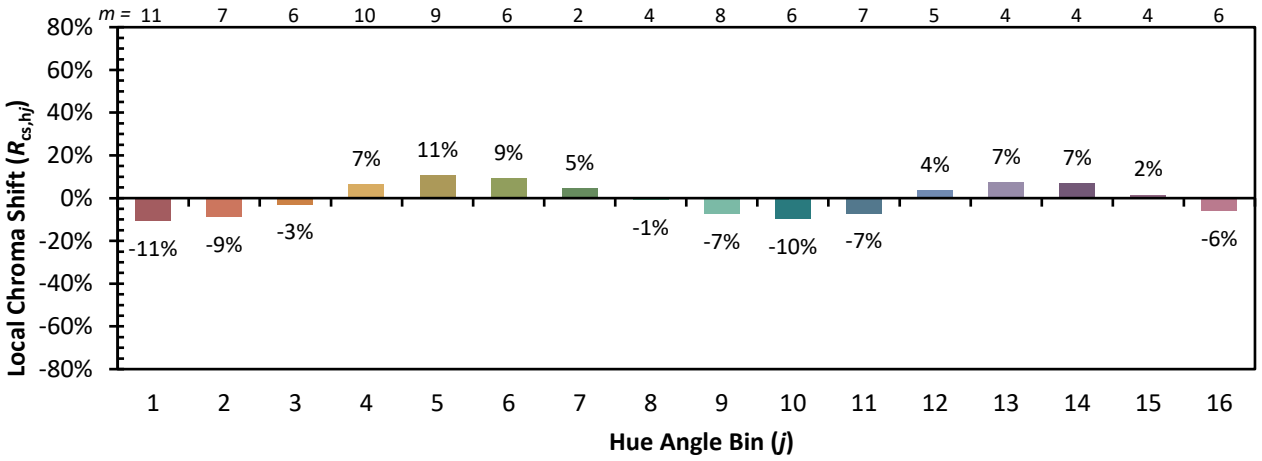
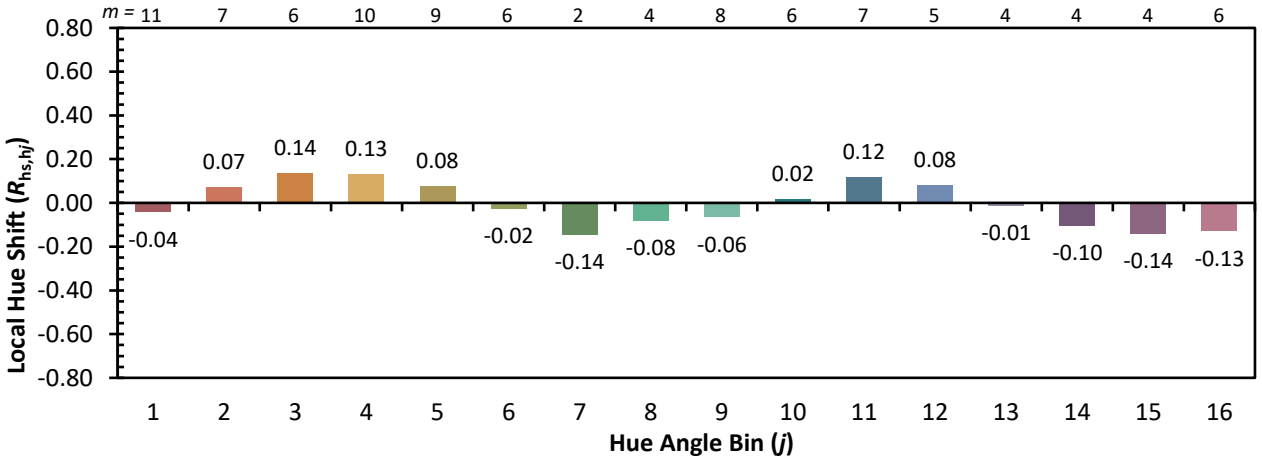
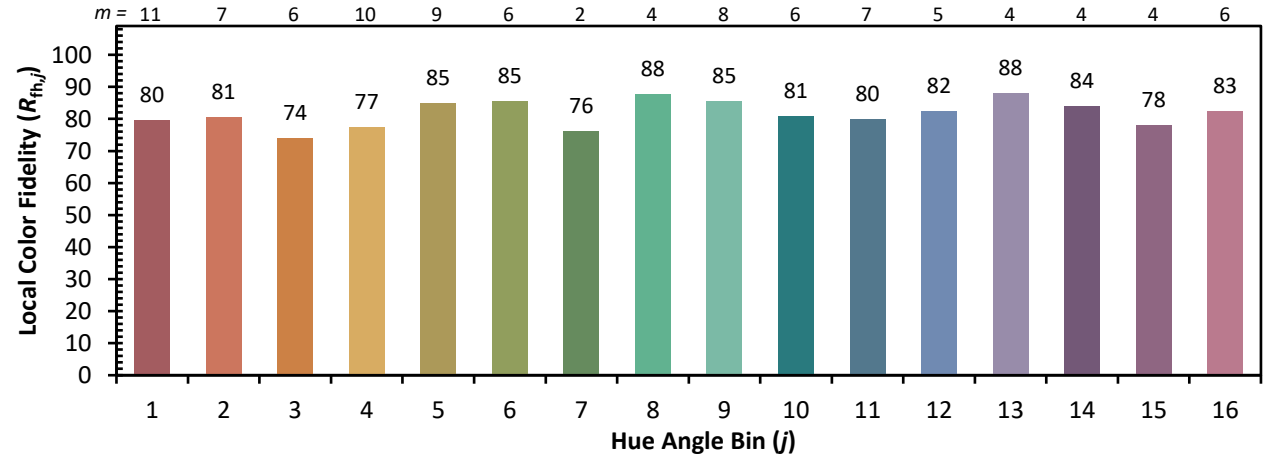
Color Rendition by Hue-Angle Bin







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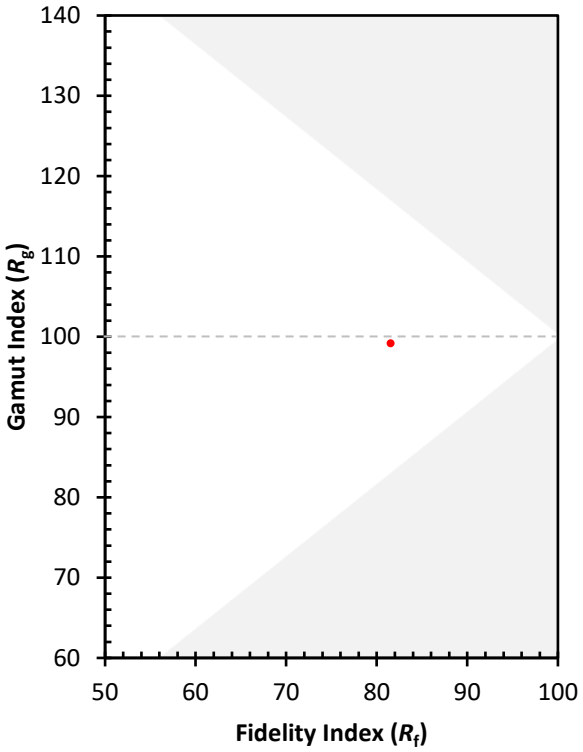
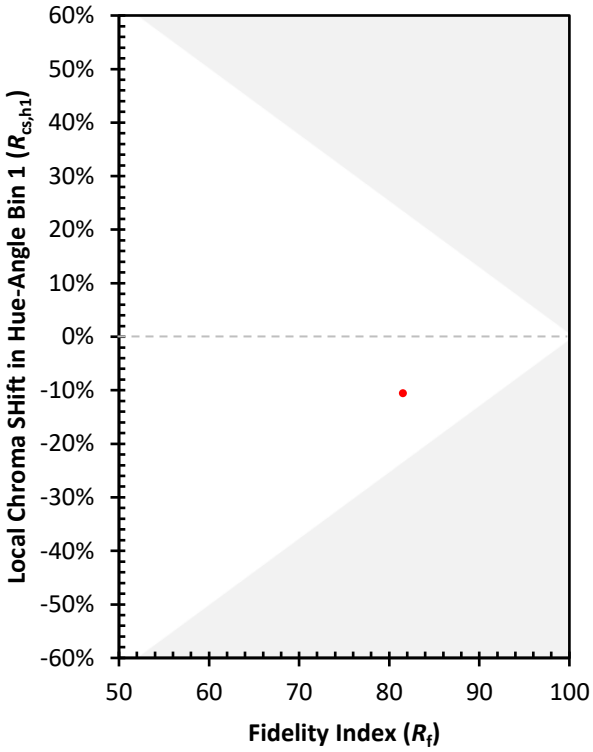
Measure Comparisons





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