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: P632061

Luminaire Tested: GWS-SA2B-830-U-T3-W-GRSBK

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:	P632061
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA2B-830-U-T3-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(32) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3385.4 lumens
Efficiency:	N/A
Efficacy:	73.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G0

Input Watts (W):	46.4
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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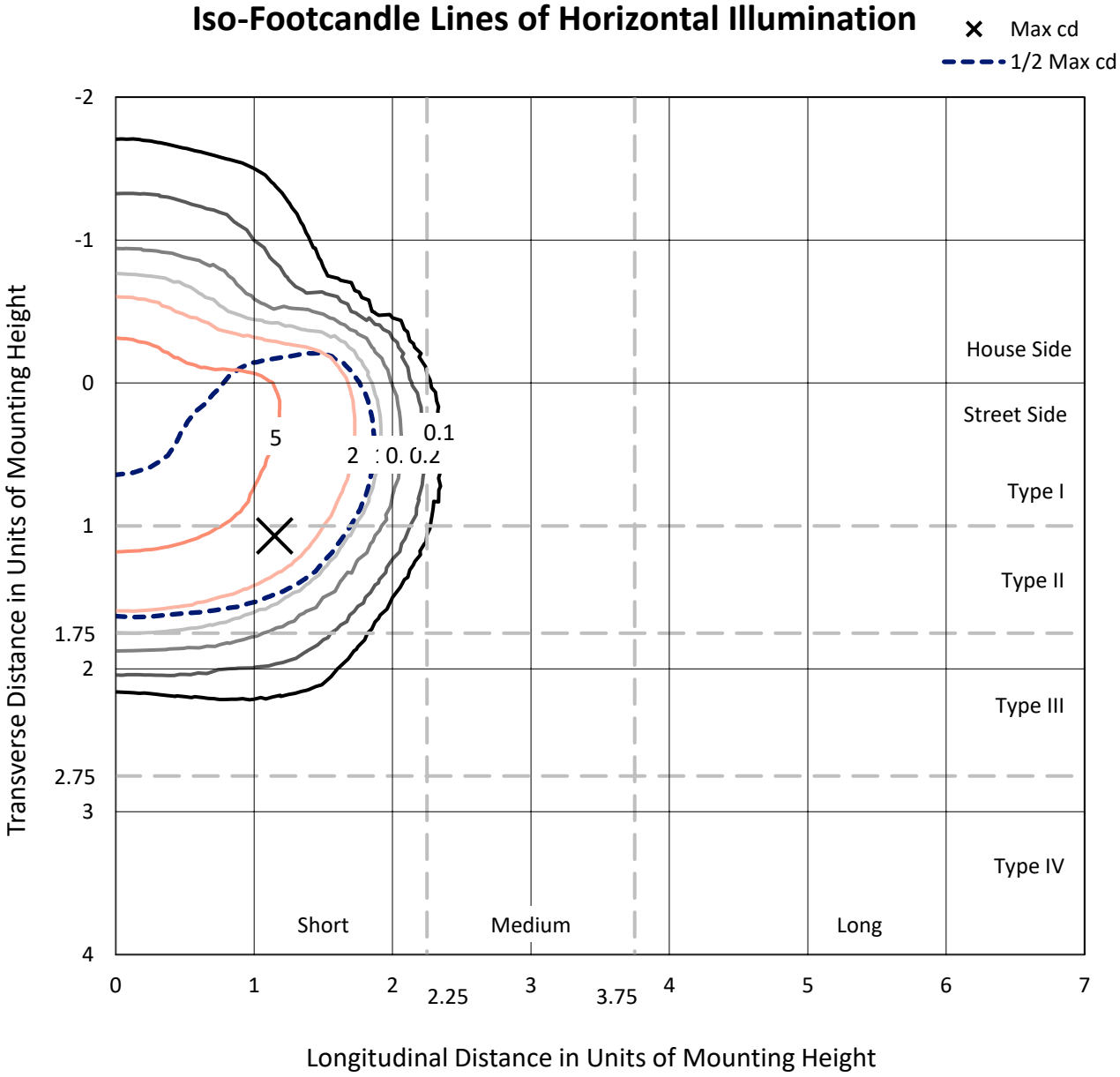
REPORT NUMBER: P632061
CATALOG NUMBER: GWS-SA2B-830-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8 fc
Type II - Short - N/A

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REPORT NUMBER: P632061
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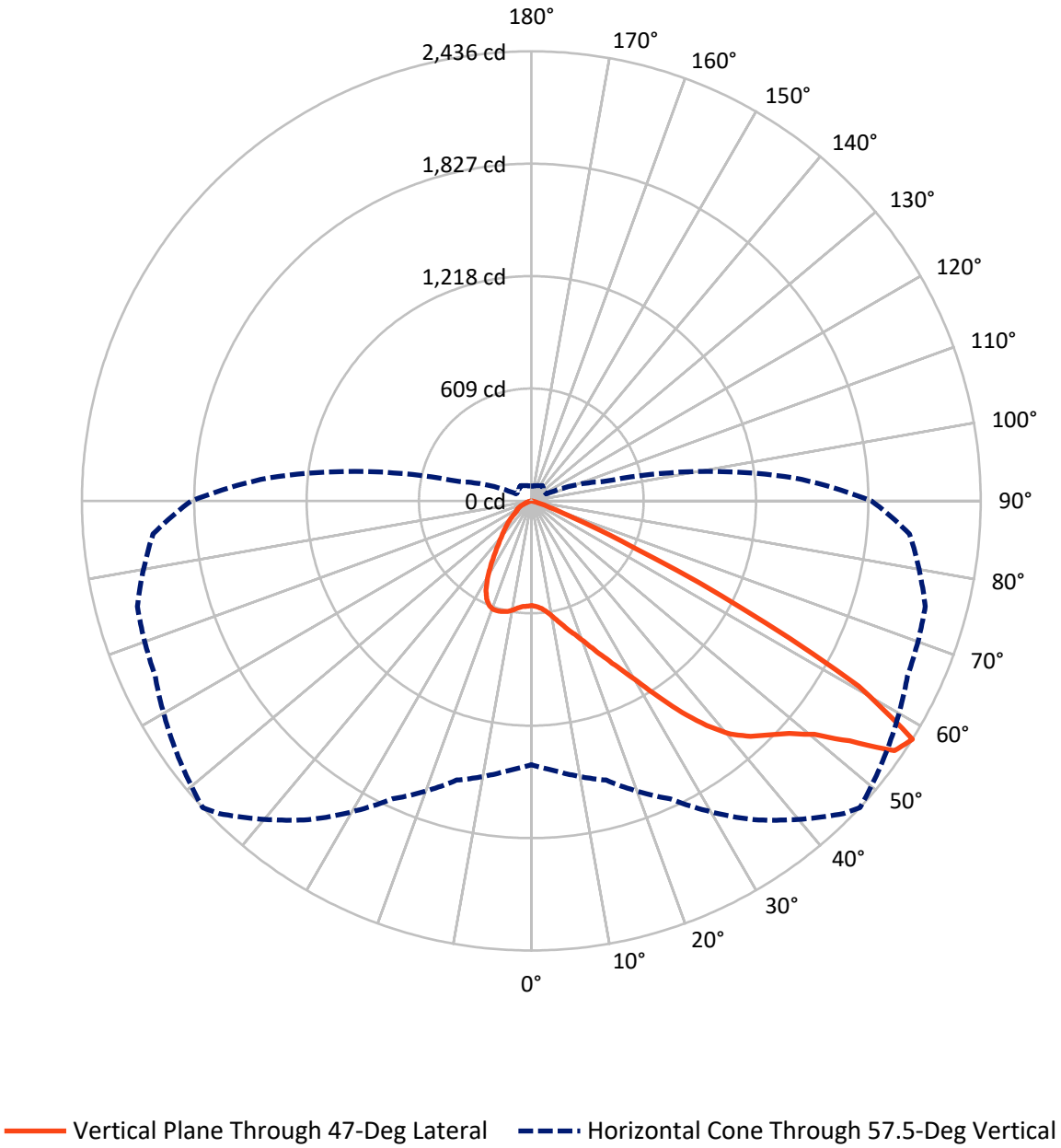
Luminous Intensity Polar Plot



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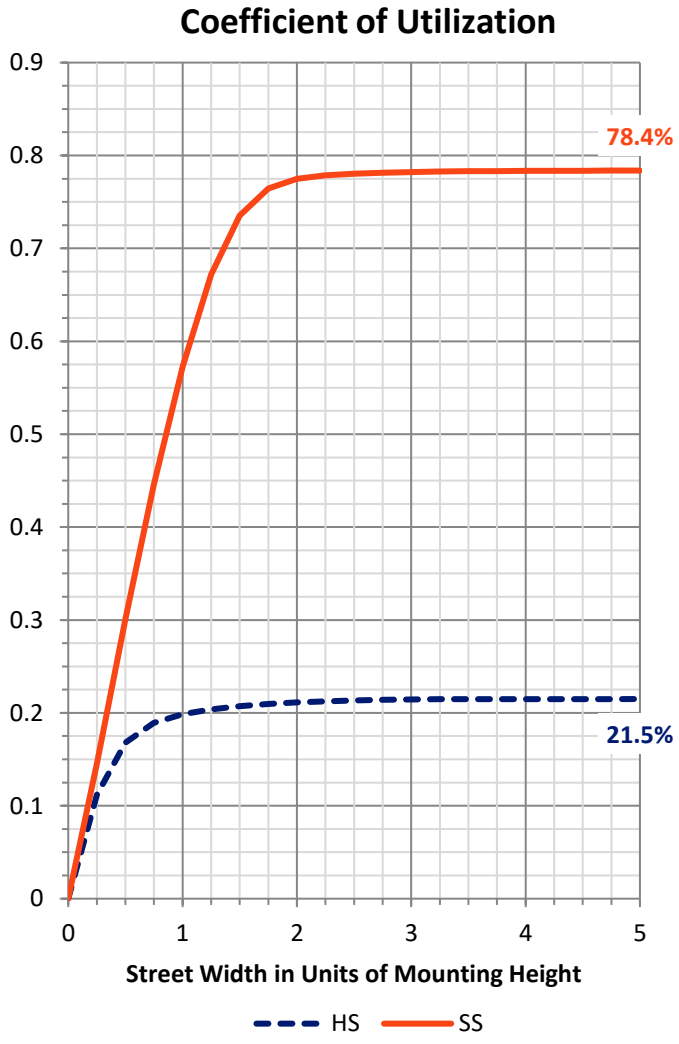
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	734.5	0.0	734.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2650.9	0.0	2650.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	3385.4	0.0	3385.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	1.7
10°-20°	190.2	5.6
20°-30°	353.2	10.4
30°-40°	565.5	16.7
40°-50°	826.6	24.4
50°-60°	1020.2	30.1
60°-70°	340.9	10.1
70°-80°	31.8	0.9
80°-90°	0.7	0.0
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°	3385.4	100.0
0°-180°	3385.4	100.0



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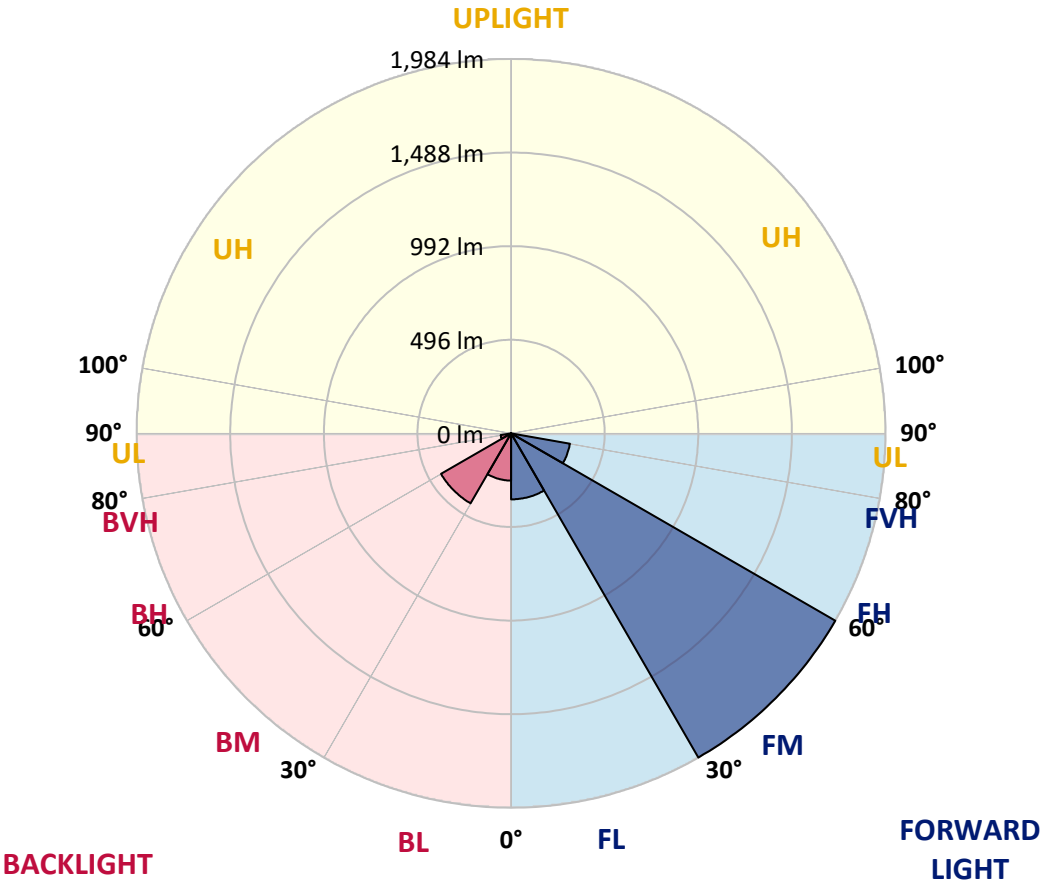
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	349.9	10.3			
FM	(30°-60°)	1983.8	58.6			
FH	(60°-80°)	316.8	9.4			G0/660
FVH	(80°-90°)	0.5	0.0			G0/10
BL	(0°-30°)	250.0	7.4	B1/500		
BM	(30°-60°)	428.4	12.7	B1/1000		
BH	(60°-80°)	55.8	1.6	B0/110		G0/110
BVH	(80°-90°)	0.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
Type II Short



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REPORT NUMBER: P632061
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7
2.5°	572.6	572.2	571.8	574.2	573.4	573.0	573.8	573.8	573.8	571.4	566.7
5°	586.4	586.4	586.0	588.3	586.4	585.2	585.6	585.6	584.0	579.7	573.8
7.5°	608.0	607.2	606.4	608.8	606.8	606.4	607.2	604.8	602.1	595.0	586.8
10°	639.0	639.0	637.9	640.2	638.6	637.9	637.9	636.3	631.2	620.2	608.0
12.5°	681.9	679.9	677.2	675.2	674.4	674.0	674.4	672.0	666.5	652.4	635.5
15°	728.6	727.1	722.7	719.6	715.3	714.5	716.8	714.9	709.4	690.1	666.2
17.5°	787.6	789.6	778.6	771.9	759.3	758.5	759.3	762.4	758.5	733.7	698.8
20°	837.9	839.5	831.2	826.5	815.1	810.0	811.6	816.7	812.4	783.3	734.5
22.5°	891.7	893.7	885.1	875.2	870.1	870.1	876.0	883.1	877.2	839.1	775.4
25°	956.2	957.8	950.7	937.7	928.7	940.1	948.7	967.6	957.8	905.9	823.7
27.5°	1030.1	1030.5	1020.3	1006.9	1002.2	1023.4	1032.0	1061.1	1057.2	981.0	874.8
30°	1109.1	1109.5	1107.1	1098.1	1093.7	1121.6	1133.4	1175.5	1172.7	1074.1	944.4
32.5°	1191.2	1191.2	1195.5	1194.7	1199.9	1245.4	1264.3	1312.3	1309.5	1188.1	1030.9
35°	1273.7	1274.1	1281.6	1300.5	1321.7	1382.2	1407.0	1465.1	1458.9	1324.4	1141.3
37.5°	1367.7	1363.7	1374.0	1402.3	1449.4	1519.4	1543.0	1598.4	1591.3	1464.0	1285.5
40°	1480.9	1473.8	1473.8	1506.8	1560.2	1640.8	1660.9	1688.4	1664.4	1576.8	1427.0
42.5°	1605.8	1599.2	1590.5	1619.6	1664.4	1727.3	1743.8	1736.3	1716.7	1683.3	1588.2
45°	1732.4	1722.2	1728.1	1745.7	1771.7	1801.6	1807.8	1773.3	1764.2	1773.7	1721.4
47.5°	1828.7	1821.6	1836.1	1860.9	1882.1	1886.4	1882.1	1834.2	1833.4	1866.8	1813.7
50°	1860.9	1861.7	1901.8	1956.0	1990.2	1993.7	1987.8	1932.8	1925.4	1935.2	1863.7
52.5°	1864.0	1867.2	1925.7	2029.1	2122.3	2164.7	2160.0	2100.6	2027.5	2016.9	1939.1
55°	1788.2	1806.7	1888.4	2039.3	2237.4	2373.0	2388.7	2275.1	2166.7	2157.6	2101.4
57.5°	1429.4	1467.1	1565.7	1780.7	2108.9	2394.6	2435.5	2353.7	2248.8	2210.3	2057.8
60°	854.4	901.2	995.9	1259.6	1605.1	1968.2	2038.5	2049.9	2001.6	1890.4	1578.7
62.5°	366.7	362.7	479.5	681.5	954.6	1250.9	1282.8	1332.3	1374.4	1258.0	958.2
65°	125.8	136.8	190.2	307.3	477.9	580.9	609.2	653.6	713.3	588.7	351.0
67.5°	77.8	82.5	109.6	181.6	257.8	253.9	241.3	234.2	227.9	156.0	96.3
70°	56.6	60.5	77.0	125.0	173.3	121.8	105.7	85.7	95.1	87.6	68.4
72.5°	38.1	41.3	53.1	75.9	88.8	59.3	55.0	62.5	75.5	71.9	55.8
75°	22.8	24.8	30.3	36.9	36.2	30.7	31.0	44.0	57.8	53.8	39.7
77.5°	15.7	16.5	20.0	24.0	17.7	9.4	8.6	12.2	19.7	19.7	13.4
80°	3.9	5.1	5.1	3.1	2.8	2.4	2.4	3.5	5.5	3.9	2.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
87.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
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: P632061
CATALOG NUMBER: GWS-SA2B-830-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7
2.5°	569.5	564.8	567.9	567.1	569.5	570.3	566.7	565.9	566.3	561.6	560.0
5°	575.0	569.5	571.0	569.5	572.2	574.6	573.4	575.0	576.9	573.4	571.8
7.5°	586.8	581.3	580.9	578.5	582.4	584.0	583.6	587.9	591.9	589.5	587.2
10°	607.2	599.7	598.9	597.0	598.2	599.3	595.0	595.8	599.3	596.6	595.4
12.5°	632.4	623.3	621.3	616.6	616.6	610.7	601.3	599.3	602.1	600.1	598.2
15°	659.5	647.3	644.1	635.9	628.0	617.0	607.2	604.8	606.8	604.4	602.9
17.5°	689.7	676.0	665.8	651.2	633.9	621.0	610.0	604.8	601.7	597.0	596.6
20°	719.6	701.5	684.2	661.0	638.2	618.6	600.5	587.2	575.8	568.7	565.9
22.5°	754.2	727.5	699.6	666.9	634.3	604.4	572.6	549.8	530.2	523.5	520.3
25°	791.1	756.5	714.9	672.4	621.0	573.0	529.8	496.0	470.0	461.4	457.9
27.5°	832.0	784.4	730.6	671.3	593.4	528.2	470.8	428.8	403.2	395.4	398.1
30°	883.9	820.6	750.3	659.1	552.2	465.3	398.1	362.7	343.5	336.0	336.4
32.5°	953.0	872.5	778.9	633.1	499.1	393.8	334.8	308.9	295.9	286.1	285.3
35°	1052.1	951.5	805.7	591.5	434.7	330.1	287.3	266.9	248.8	237.4	239.3
37.5°	1170.8	1050.9	820.2	535.3	362.4	280.6	251.5	230.7	210.3	193.4	195.3
40°	1311.5	1181.0	819.0	461.4	296.3	246.8	221.7	197.3	171.7	156.4	158.0
42.5°	1468.3	1304.0	793.5	383.2	245.6	219.3	193.0	162.3	137.6	128.1	128.5
45°	1604.3	1403.8	748.7	302.2	206.7	192.6	163.1	131.7	120.7	114.0	113.6
47.5°	1704.9	1476.9	684.6	237.8	175.3	168.2	134.0	117.9	109.3	103.8	103.0
50°	1761.1	1502.5	613.9	186.3	148.2	142.7	119.9	106.9	101.0	97.5	96.7
52.5°	1836.5	1533.1	563.2	147.0	124.2	116.7	110.4	99.4	95.5	92.8	91.6
55°	1956.0	1592.5	519.2	116.7	103.4	101.8	104.1	95.1	92.8	88.4	86.9
57.5°	*1843.6*	*1430.6*	*403.2*	*90.4*	*87.2*	*93.1*	*100.6*	*90.8*	*84.9*	*81.0*	*79.4*
60°	1297.3	951.1	202.8	72.7	77.8	87.2	94.7	82.1	76.2	77.0	76.2
62.5°	715.3	475.9	91.2	60.9	67.6	77.0	81.0	71.1	67.2	73.9	75.1
65°	233.8	161.9	52.7	47.2	53.4	62.9	70.0	67.6	66.8	74.7	77.0
67.5°	71.9	53.4	35.8	33.8	36.9	46.4	59.0	73.1	78.6	81.0	82.1
70°	53.8	42.1	30.7	28.7	30.3	35.4	49.9	60.9	57.4	57.8	57.0
72.5°	43.2	33.4	26.3	25.2	25.2	24.4	26.3	33.0	37.3	39.3	39.3
75°	30.3	23.6	20.0	18.5	14.5	11.8	10.6	10.6	9.4	9.0	8.6
77.5°	10.2	8.6	7.9	6.3	4.3	3.5	3.1	2.8	2.0	1.2	0.8
80°	1.6	1.2	0.8	0.8	0.8	0.4	0.4	0.4	0.0	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	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

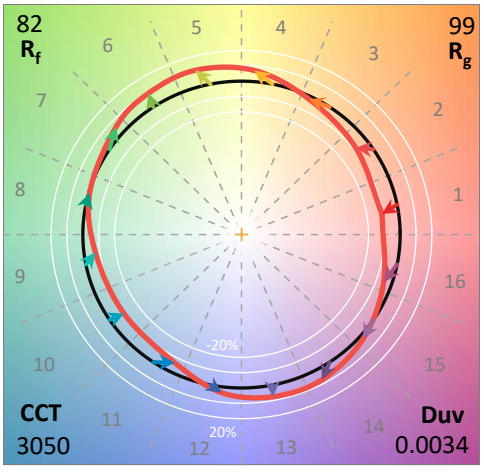
Test Information

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

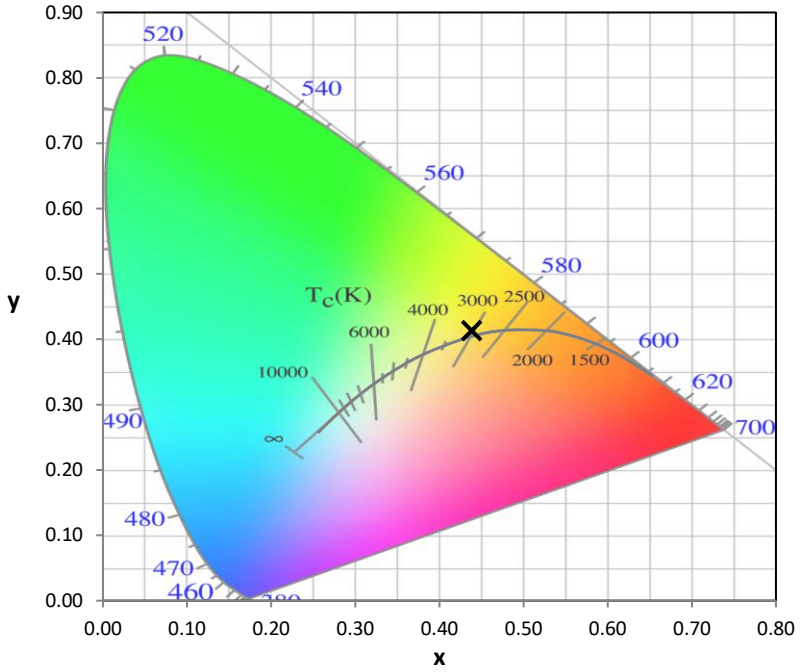
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

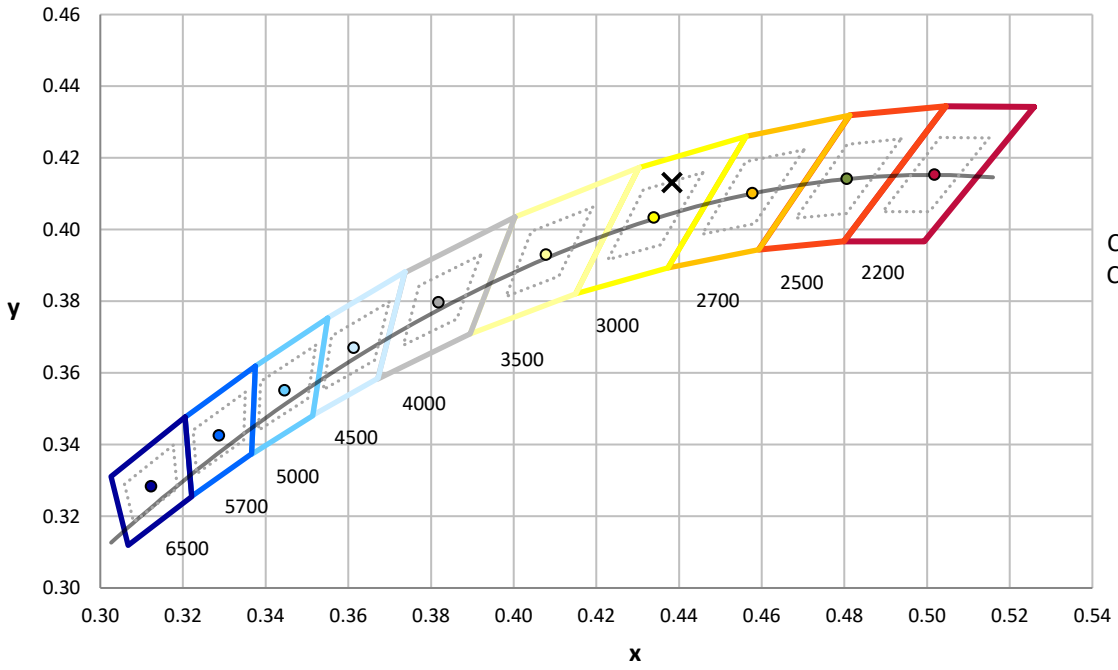
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

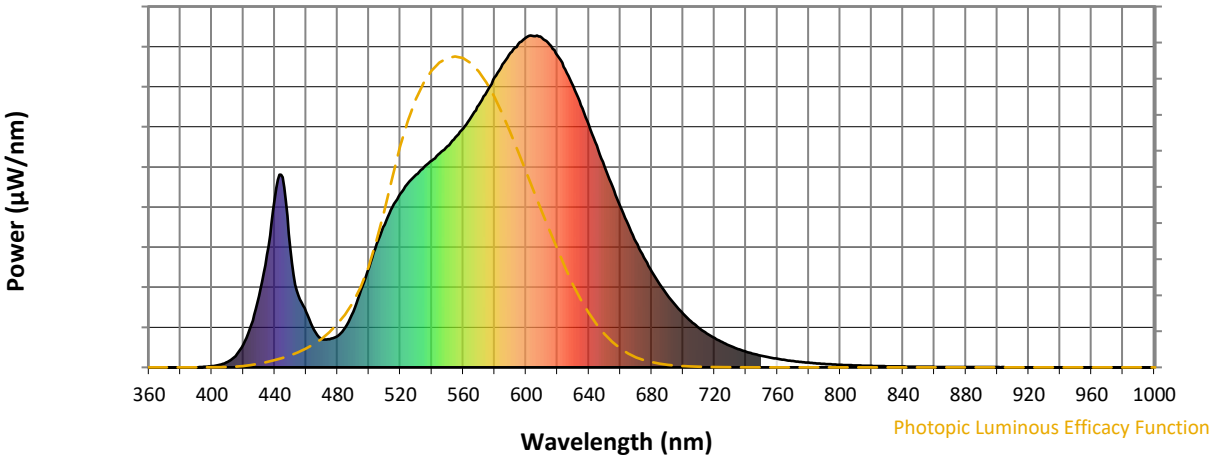


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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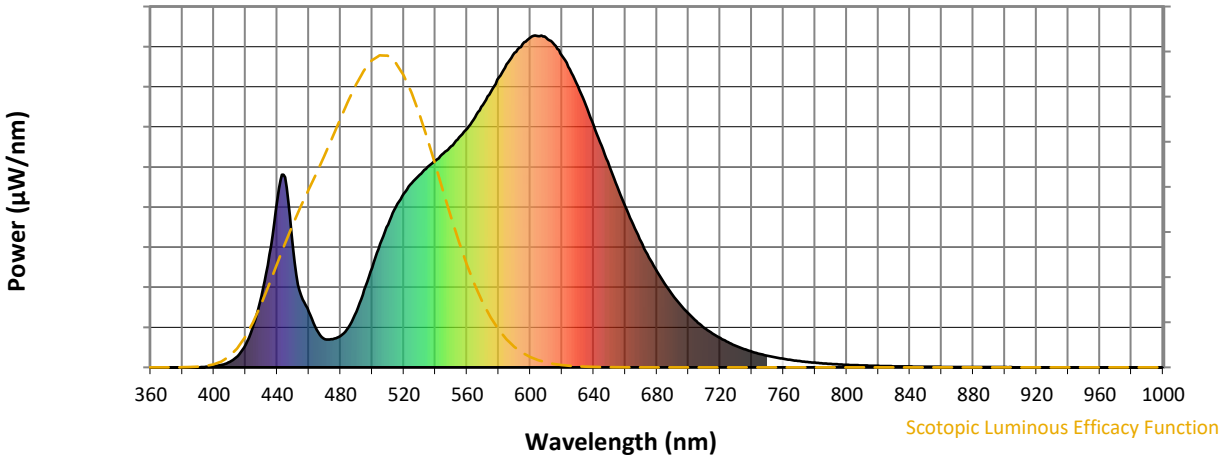
Scotopic Flux vs. Wavelength



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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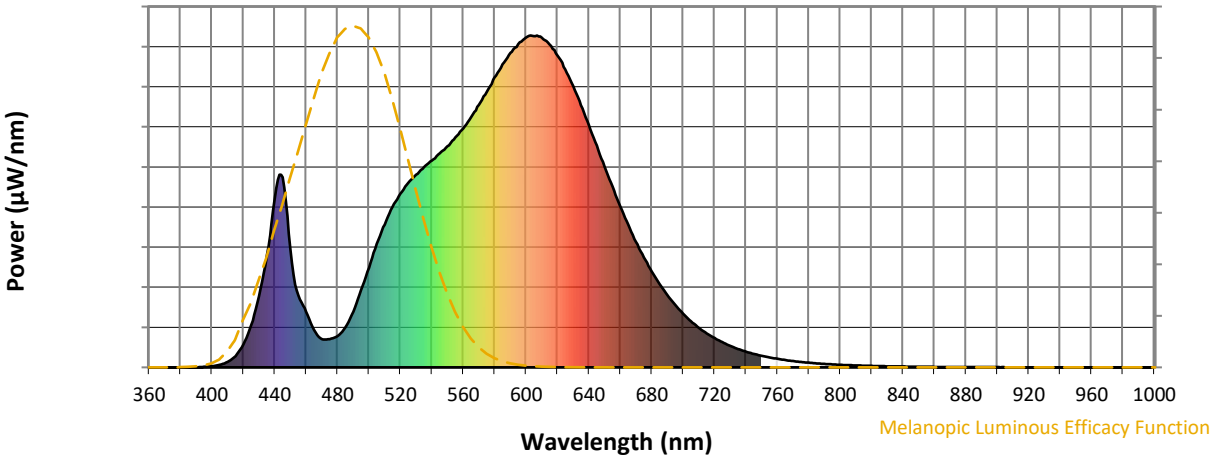
Melanopic Flux vs. Wavelength



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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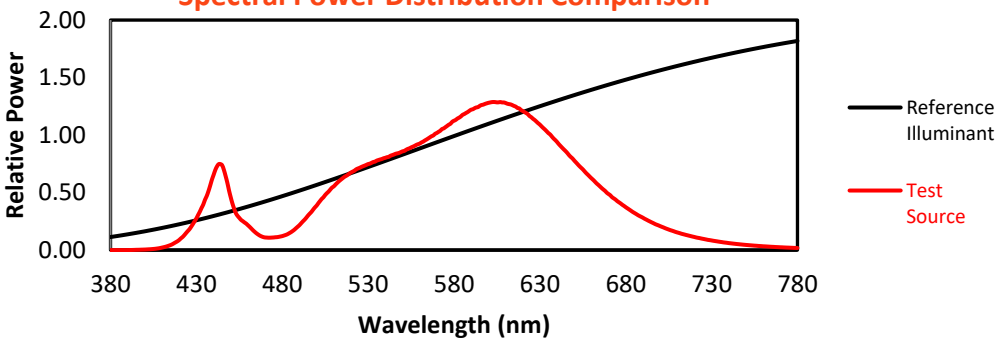
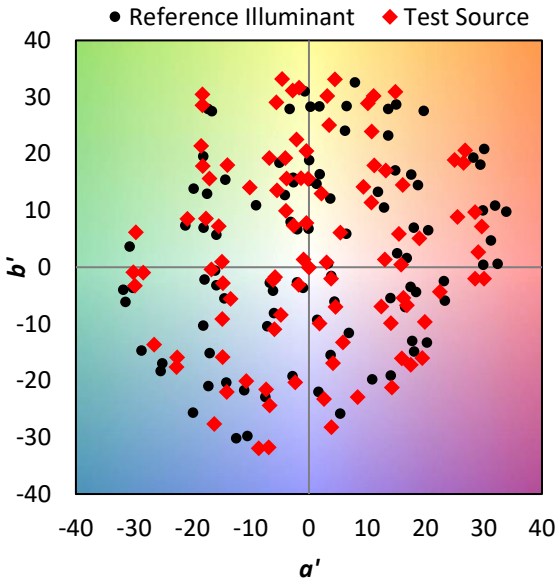
Summary

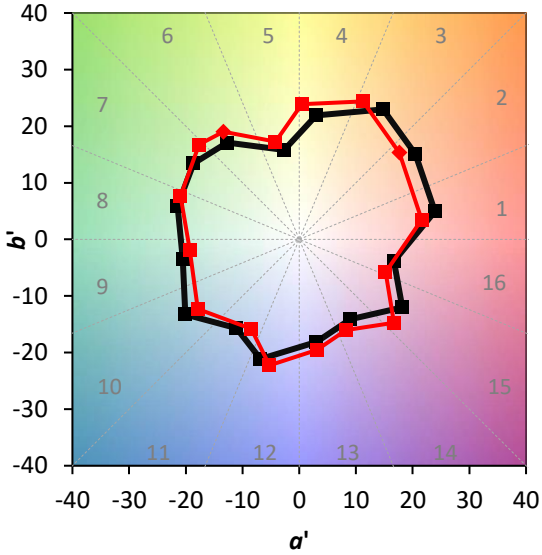
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

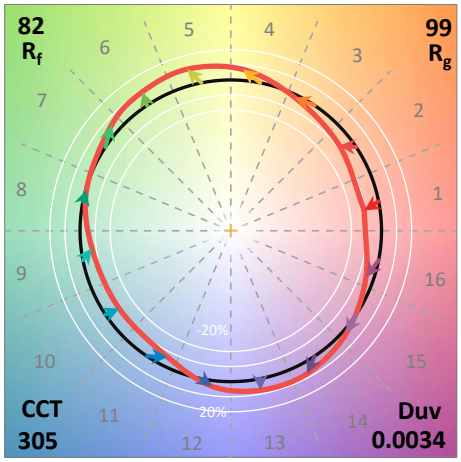
Spectral Power Distribution Comparison

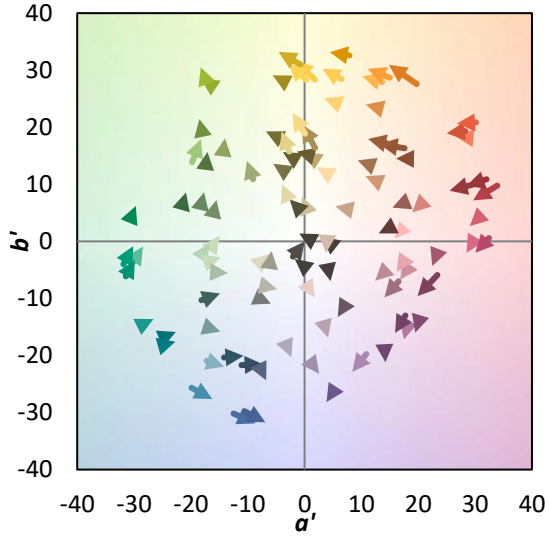


Color Vector Graphics









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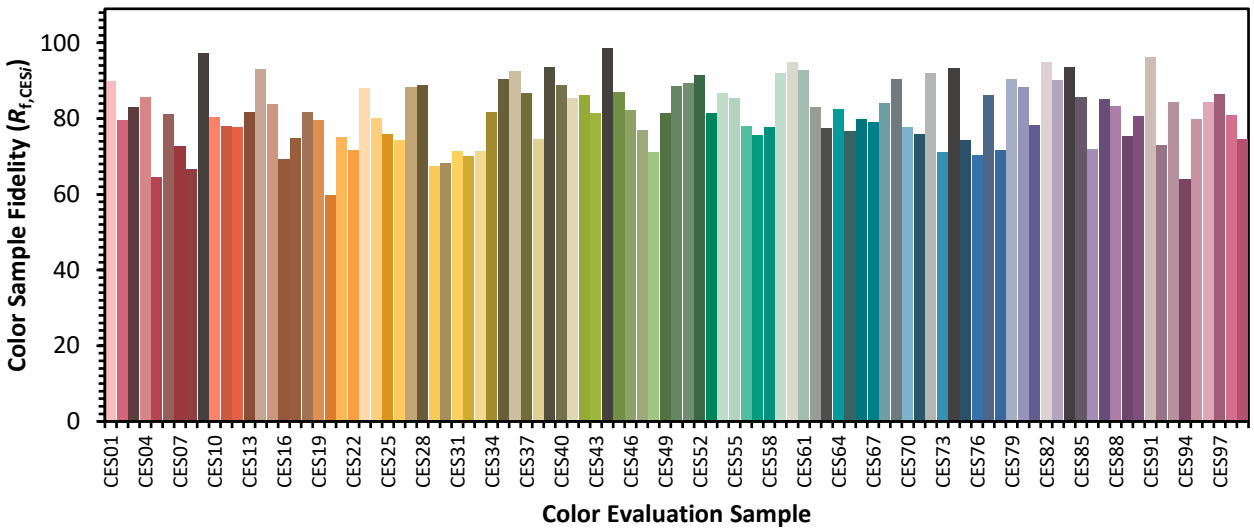
Individual Sample Fidelity Index ($R_{f,i}$)

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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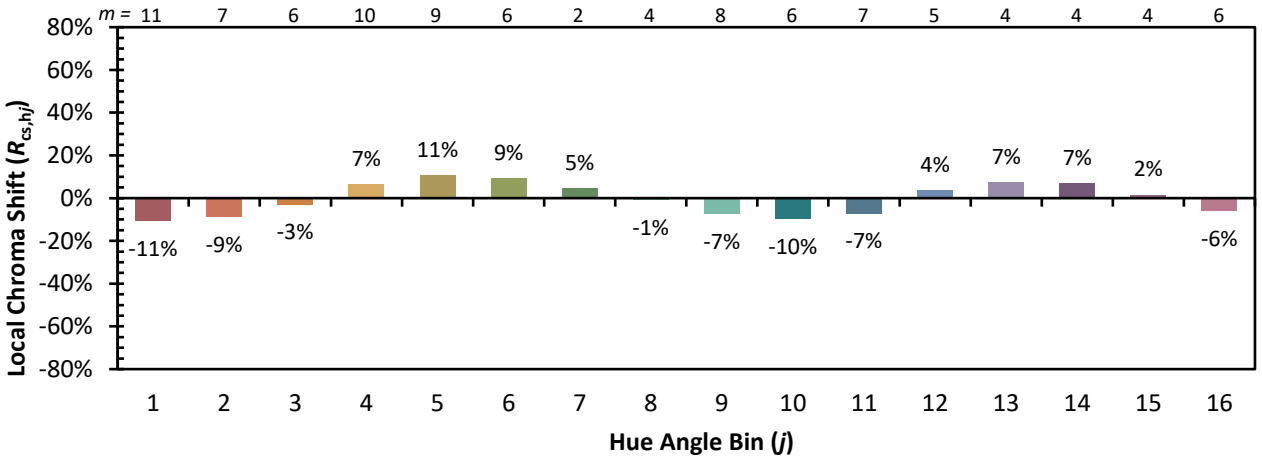
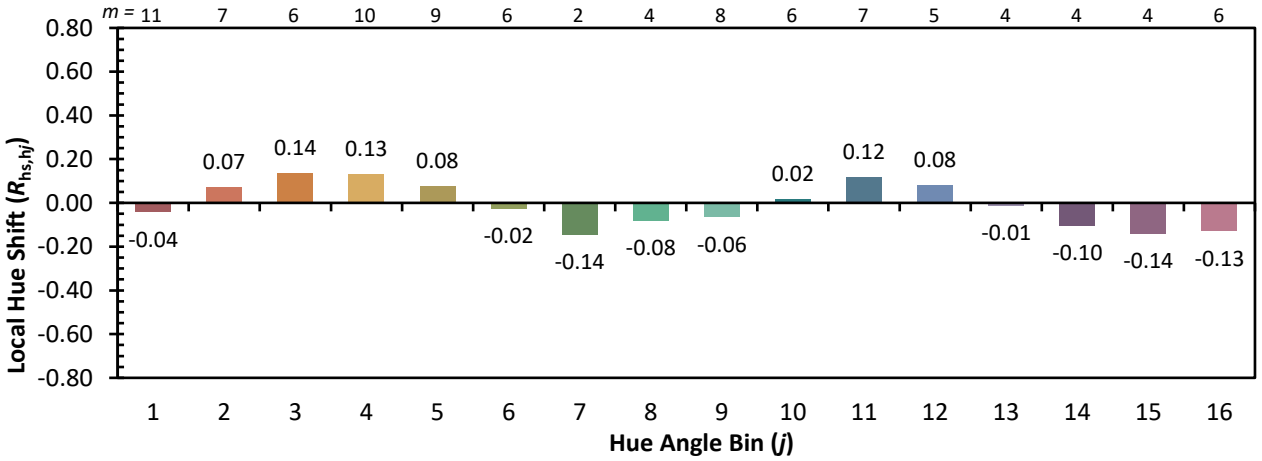
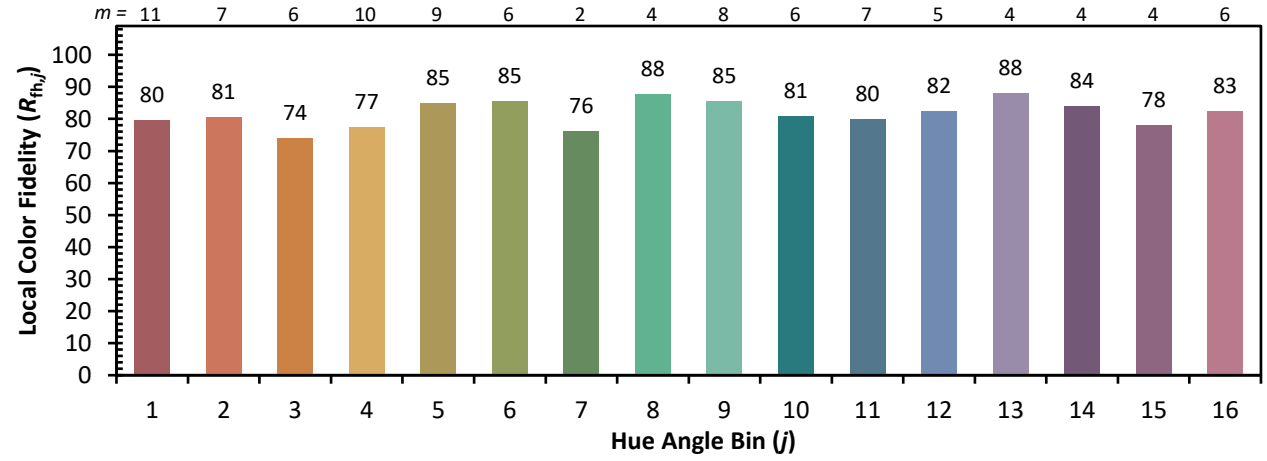
Color Rendition by Hue-Angle Bin







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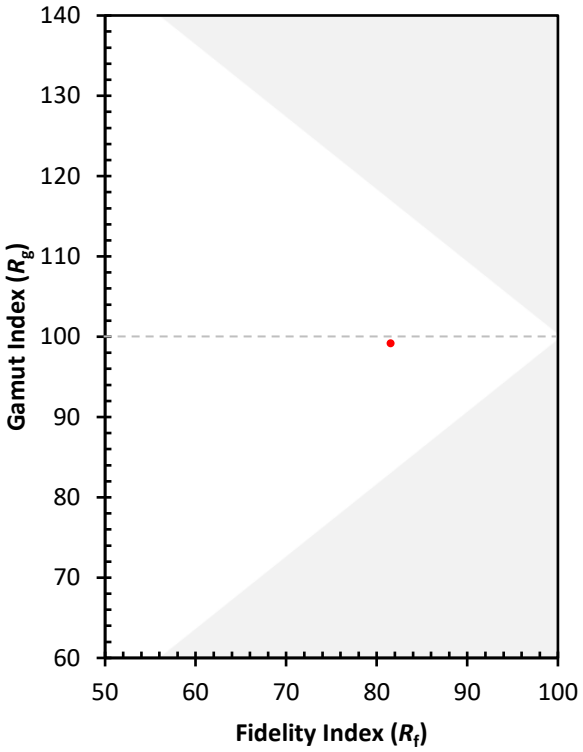
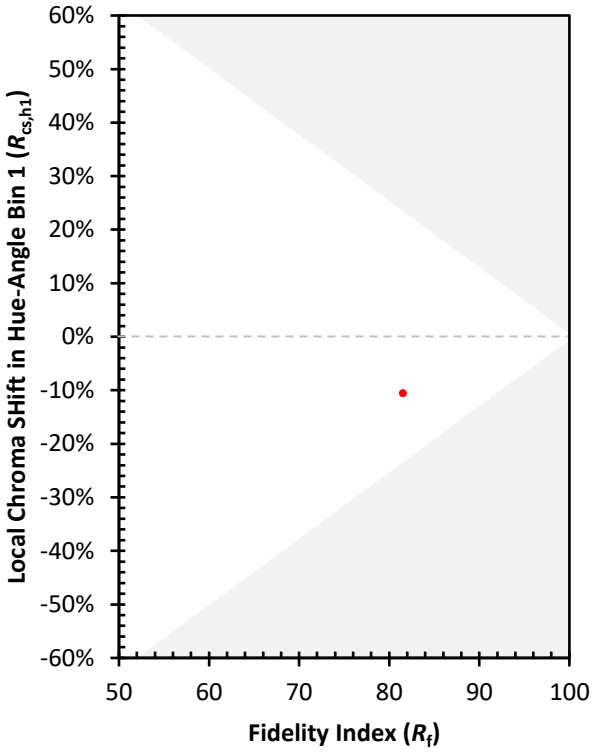
Measure Comparisons





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