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: P641928

Luminaire Tested: GWS-SA6B-830-U-AFL-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:	P641928
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-AFL-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE 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:	15258.4 lumens
Efficiency:	N/A
Efficacy:	109.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G1

Input Watts (W):	138.9
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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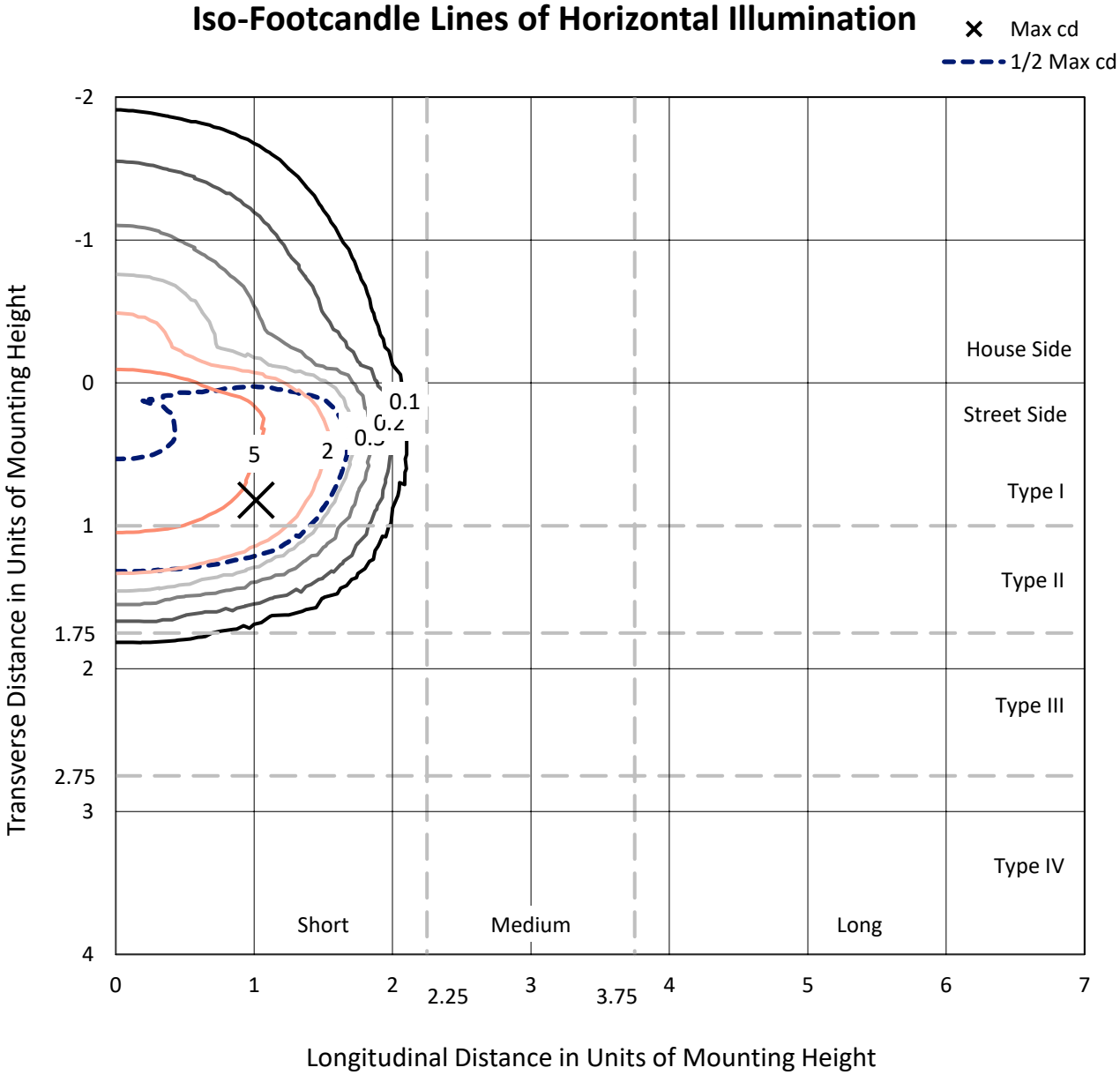
Scaled Data Report

REPORT NUMBER: P641928
CATALOG NUMBER: GWS-SA6B-830-U-AFL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
Type II - Short - N/A

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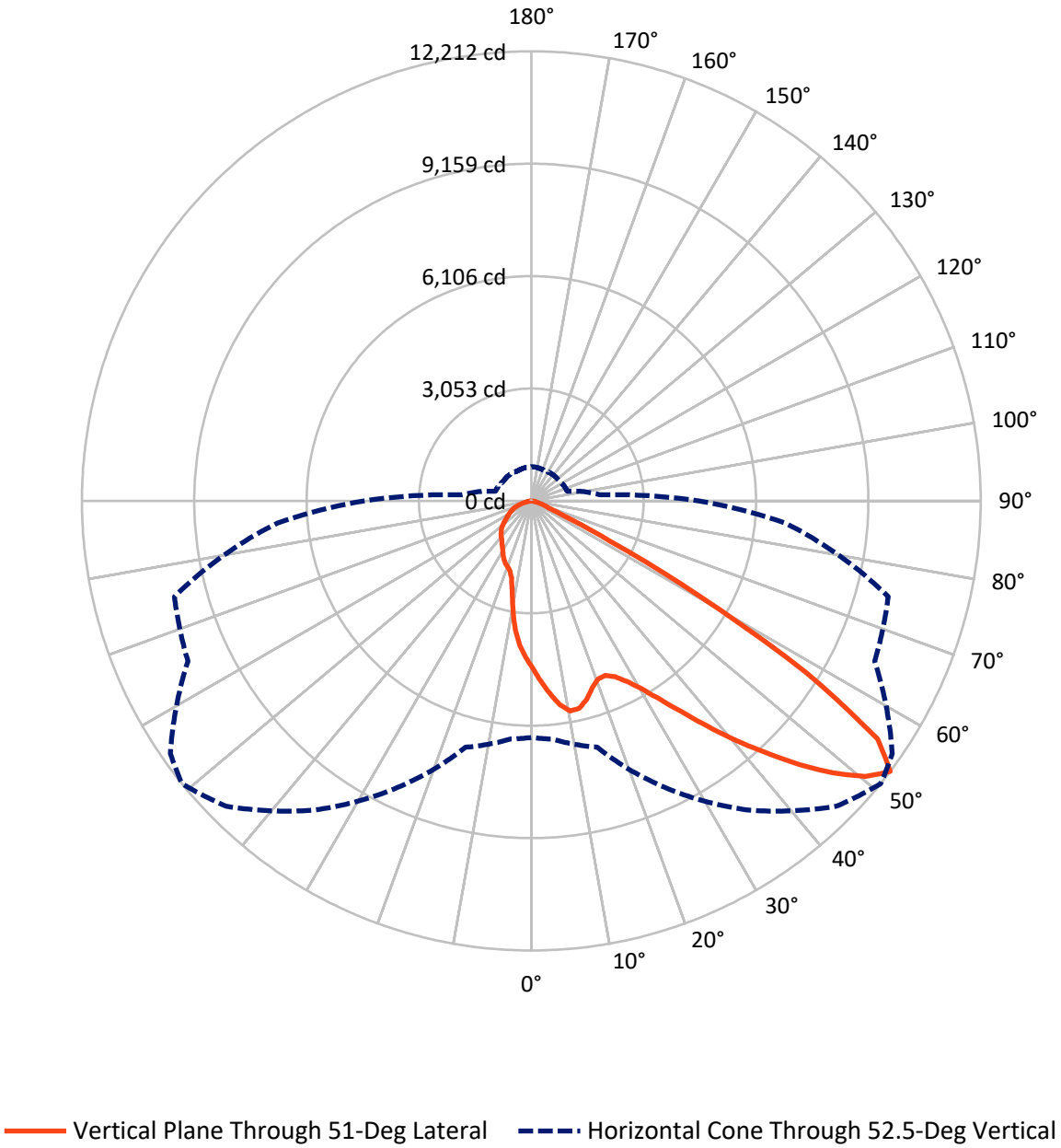
Luminous Intensity Polar Plot



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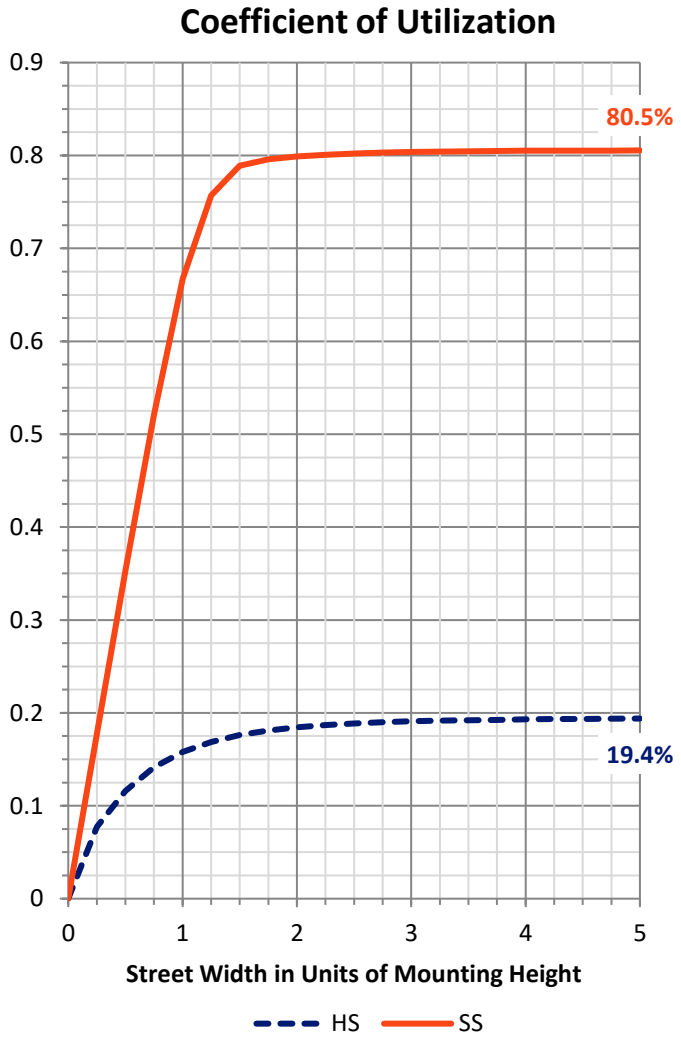
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2973.0	0.0	2973.0
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	12285.4	0.0	12285.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	15258.4	0.0	15258.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.9	2.8
10°-20°	1101.6	7.2
20°-30°	1791.1	11.7
30°-40°	2838.4	18.6
40°-50°	4281.0	28.1
50°-60°	3703.4	24.3
60°-70°	839.6	5.5
70°-80°	247.6	1.6
80°-90°	31.9	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°	15258.4	100.0
0°-180°	15258.4	100.0



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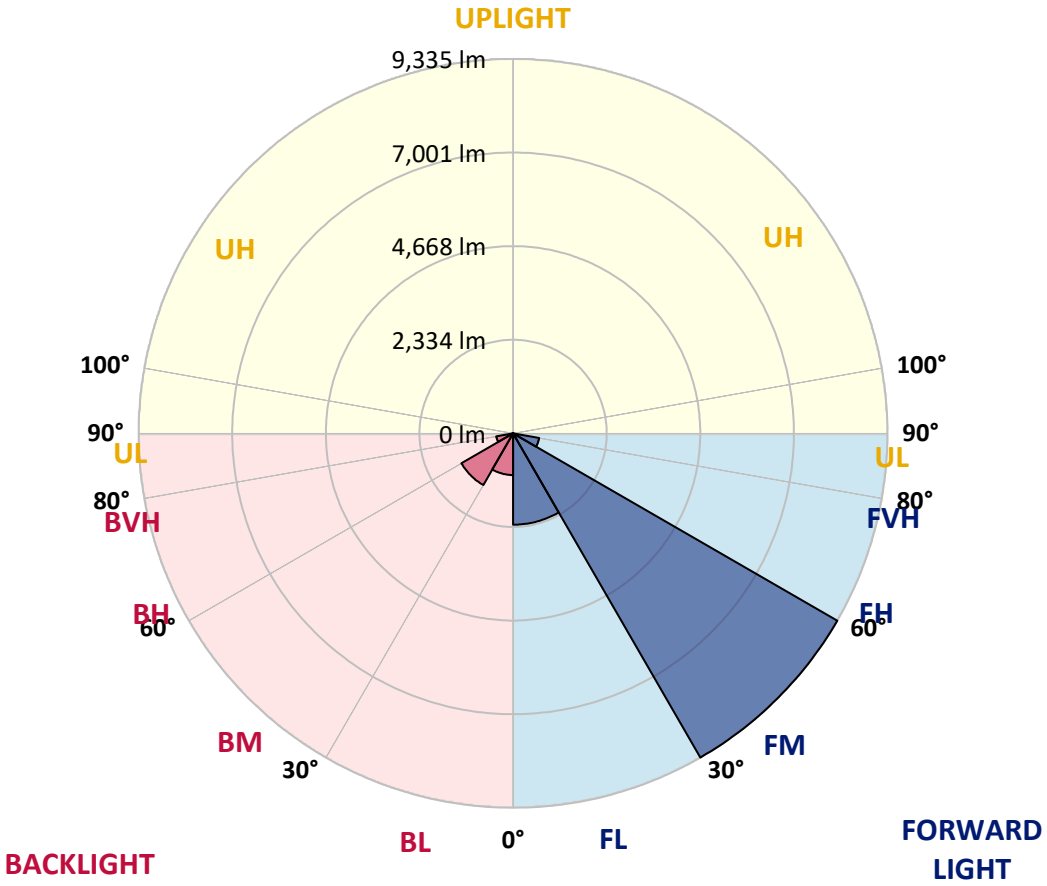
REPORT NUMBER: P641928
CATALOG NUMBER: GWS-SA6B-830-U-AFL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2277.4	14.9			
FM	(30°-60°)	9335.3	61.2			
FH	(60°-80°)	660.7	4.3			G1/1800
FVH	(80°-90°)	12.0	0.1			G1/100
BL	(0°-30°)	1039.2	6.8	B3/2500		
BM	(30°-60°)	1487.5	9.7	B2/2500		
BH	(60°-80°)	426.4	2.8	B1/500		G1/500
BVH	(80°-90°)	19.9	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-G1
Type II Short



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Scaled Data Report

REPORT NUMBER: P641928
CATALOG NUMBER: GWS-SA6B-830-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	4543.2	4543.2	4543.2	4543.2	4543.2	4543.2	*4543.2*	4543.2	4543.2	4543.2	4543.2
2.5°	5062.9	5091.8	5047.2	5030.3	5002.6	4954.3	*4898.9*	4883.2	4763.8	4685.5	4597.4
5°	5571.7	5587.3	5551.2	5515.0	5446.3	5360.7	*5253.4*	5230.5	5013.4	4833.8	4646.9
7.5°	5685.0	5679.0	5710.3	5730.8	5722.4	5688.6	*5593.4*	5548.8	5289.5	5005.0	4728.9
10°	5236.5	5202.7	5318.5	5455.9	5621.1	5811.6	*5800.8*	5797.1	5571.7	5235.3	4833.8
12.5°	4642.1	4625.2	4719.2	4891.6	5203.9	5625.9	*5783.9*	5906.9	5826.1	5454.7	4950.7
15°	4302.0	4296.0	4359.9	4484.1	4732.5	5265.4	*5603.0*	5846.6	6044.3	5689.8	5074.9
17.5°	4240.5	4244.2	4265.9	4337.0	4515.5	4954.3	*5345.0*	5685.0	6214.3	5947.9	5230.5
20°	4420.2	4444.3	4406.9	4417.8	4514.2	4842.2	*5169.0*	5522.2	6322.8	6207.1	5398.0
22.5°	4819.3	4810.9	4728.9	4680.6	4681.8	4910.9	*5149.7*	5446.3	6394.0	6459.1	5550.0
25°	5271.4	5261.8	5164.1	5056.8	4989.3	5097.8	*5288.3*	5527.1	6457.9	6689.4	5671.7
27.5°	5805.6	5775.4	5666.9	5529.5	5380.0	5427.0	*5556.0*	5745.3	6556.8	6916.1	5752.5
30°	6322.8	6357.8	6202.3	6039.5	5881.5	5852.6	*5927.4*	6098.6	6758.1	7181.3	5849.0
32.5°	7008.9	6996.8	6824.4	6612.2	6386.7	6365.0	*6424.1*	6580.9	7119.8	7547.9	5996.1
35°	7839.7	7842.1	7597.3	7310.3	6989.6	6931.7	*7030.6*	7182.5	7658.8	8044.6	6228.8
37.5°	8703.0	8699.3	8485.9	8160.4	7722.7	7640.7	*7754.0*	7867.4	8332.8	8721.0	6590.5
40°	9308.2	9332.3	9232.3	9061.1	8646.3	8446.1	*8546.2*	8624.6	9065.9	9516.8	7066.8
42.5°	9651.9	9688.0	9709.7	9812.2	9594.0	9380.6	*9344.4*	9385.4	9720.6	10255.9	7514.1
45°	9725.4	9773.6	9931.6	10311.4	10395.8	10335.5	*10217.3*	10118.5	10208.9	10780.4	7807.1
47.5°	9401.1	9485.5	9823.1	10487.4	10980.6	11169.9	*11038.4*	10887.7	10491.0	10915.5	7777.0
50°	8115.8	8214.6	8975.4	10128.1	11063.8	11753.4	*11765.5*	11542.4	10457.3	10526.0	7398.4
52.5°	*6425.3*	*6492.9*	*6928.1*	*8586.0*	*10247.5*	*11729.3*	*12211.6*	*11972.9*	*10294.5*	*10038.9*	*6924.5*
55°	3840.2	3948.8	4355.1	5664.5	7983.1	10395.8	*11423.1*	11538.8	10214.9	9630.2	6601.4
57.5°	1296.2	1349.2	1737.5	2501.9	4704.8	7611.8	*8825.9*	9296.2	9273.3	9005.6	5970.8
60°	617.3	629.4	707.8	948.9	1883.3	3977.7	*5224.4*	5767.0	6261.4	6310.8	3714.9
62.5°	470.2	477.5	517.3	569.1	757.2	1676.0	*2394.6*	2809.3	3001.1	2575.4	1352.8
65°	393.1	399.1	429.2	461.8	514.8	725.8	*918.8*	1059.8	954.9	743.9	645.1
67.5°	328.0	332.8	355.7	390.7	426.8	485.9	*510.0*	524.5	549.8	617.3	593.2
70°	256.8	261.6	285.8	315.9	350.9	365.3	*388.2*	402.7	453.4	540.2	537.8
72.5°	197.7	203.8	217.0	236.3	265.3	279.7	*305.0*	321.9	350.9	420.8	449.7
75°	144.7	148.3	160.4	166.4	170.0	166.4	*191.7*	211.0	249.6	276.1	283.3
77.5°	59.1	66.3	63.9	63.9	76.0	91.6	*104.9*	117.0	143.5	159.2	160.4
80°	24.1	26.5	31.3	35.0	42.2	54.3	*62.7*	67.5	79.6	89.2	96.5
82.5°	14.5	15.7	18.1	19.3	24.1	31.3	*36.2*	39.8	49.4	59.1	62.7
85°	7.2	7.2	8.4	9.6	12.1	14.5	*16.9*	19.3	25.3	31.3	35.0
87.5°	1.2	1.2	1.2	2.4	3.6	4.8	*6.0*	7.2	8.4	9.6	12.1
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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CATALOG NUMBER: GWS-SA6B-830-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4543.2	4543.2	4543.2	4543.2	4543.2	4543.2	4543.2	4543.2	4543.2	4543.2	4543.2
2.5°	4545.6	4480.5	4404.5	4344.2	4274.3	4222.5	4148.9	4103.1	4059.7	4023.5	3997.0
5°	4550.4	4440.7	4282.7	4142.9	3998.2	3860.7	3719.7	3605.1	3502.6	3417.0	3409.8
7.5°	4578.2	4420.2	4173.0	3928.3	3646.1	3373.6	3101.1	2879.3	2710.5	2622.5	2604.4
10°	4625.2	4417.8	4060.9	3670.2	3189.2	2750.3	2427.1	2258.3	2160.7	2125.7	2113.6
12.5°	4674.6	4411.8	3917.4	3306.1	2638.1	2253.5	2076.3	2055.8	2073.9	2076.3	2075.1
15°	4734.9	4408.1	3736.6	2879.3	2235.4	2023.2	2035.3	2078.7	2120.9	2130.5	2130.5
17.5°	4808.4	4399.7	3490.6	2462.1	1983.4	1978.6	2042.5	2100.4	2140.2	2147.4	2147.4
20°	4885.6	4378.0	3187.9	2122.1	1880.9	1950.9	2019.6	2064.2	2091.9	2101.6	2102.8
22.5°	4938.7	4320.1	2839.5	1870.1	1817.0	1897.8	1947.3	1993.1	1993.1	1969.0	1961.7
25°	4949.5	4195.9	2462.1	1697.7	1741.1	1815.8	1866.5	1839.9	1790.5	1771.2	1770.0
27.5°	4909.7	4015.1	2089.5	1574.7	1649.4	1724.2	1715.8	1677.2	1655.5	1636.2	1643.4
30°	4861.5	3798.0	1766.4	1473.4	1543.3	1616.9	1587.9	1574.7	1559.0	1537.3	1542.1
32.5°	4828.9	3555.7	1518.0	1395.0	1472.2	1484.3	1504.7	1503.5	1489.1	1448.1	1445.7
35°	4838.6	3310.9	1351.6	1331.1	1413.1	1408.3	1446.9	1439.6	1339.6	1282.9	1279.3
37.5°	4915.8	3075.8	1254.0	1280.5	1319.1	1349.2	1383.0	1296.2	1261.2	1225.0	1227.4
40°	5062.9	2857.6	1200.9	1252.8	1262.4	1307.0	1228.6	1227.4	1211.8	1179.2	1178.0
42.5°	5229.2	2673.1	1164.7	1239.5	1226.2	1234.7	1151.5	1161.1	1159.9	1139.4	1133.4
45°	5330.5	2503.1	1135.8	1190.1	1193.7	1109.3	1084.0	1094.8	1100.8	1090.0	1088.8
47.5°	5225.6	2307.8	1105.7	1114.1	1145.4	1052.6	1021.3	1022.5	1033.3	1034.5	1029.7
50°	4931.4	2089.5	1069.5	1049.0	1028.5	993.5	964.6	958.6	969.4	980.3	983.9
52.5°	*4551.6*	*1880.9*	*1009.2*	*977.8*	*929.6*	*929.6*	*916.4*	*897.1*	*911.5*	*926.0*	*930.8*
55°	4273.1	1726.6	923.6	888.6	835.6	853.7	851.2	834.4	853.7	864.5	868.1
57.5°	3702.8	1387.8	812.7	801.8	757.2	778.9	783.7	762.0	752.4	754.8	758.4
60°	2198.0	895.9	733.1	731.9	692.1	717.4	731.9	710.2	681.2	684.9	689.7
62.5°	986.3	684.9	633.0	628.2	627.0	659.5	675.2	654.7	613.7	617.3	622.2
65°	621.0	592.0	549.8	549.8	569.1	596.8	608.9	592.0	545.0	539.0	543.8
67.5°	576.3	551.0	507.6	499.2	508.8	531.7	532.9	500.4	472.6	467.8	467.8
70°	517.3	498.0	455.8	438.9	435.3	434.1	430.4	422.0	403.9	399.1	401.5
72.5°	428.0	414.8	388.2	370.2	360.5	359.3	344.8	337.6	321.9	319.5	318.3
75°	283.3	287.0	287.0	284.6	276.1	272.5	256.8	249.6	231.5	224.3	223.1
77.5°	167.6	171.2	176.0	177.2	176.0	176.0	161.6	153.1	135.0	125.4	123.0
80°	102.5	104.9	107.3	110.9	106.1	102.5	89.2	80.8	72.3	66.3	65.1
82.5°	66.3	68.7	69.9	72.3	69.9	65.1	54.3	49.4	43.4	38.6	37.4
85°	37.4	38.6	41.0	41.0	37.4	33.8	27.7	24.1	20.5	18.1	18.1
87.5°	13.3	13.3	13.3	14.5	12.1	10.9	7.2	4.8	3.6	3.6	3.6
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

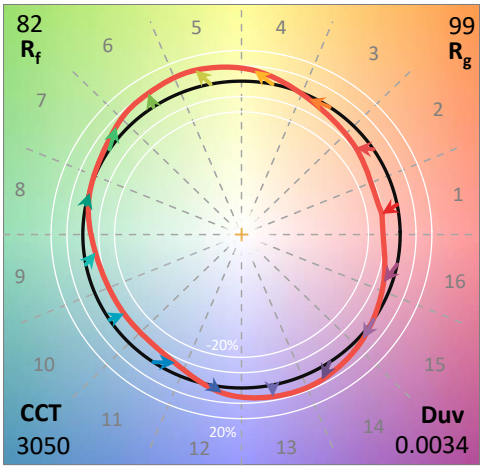
Test Information

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

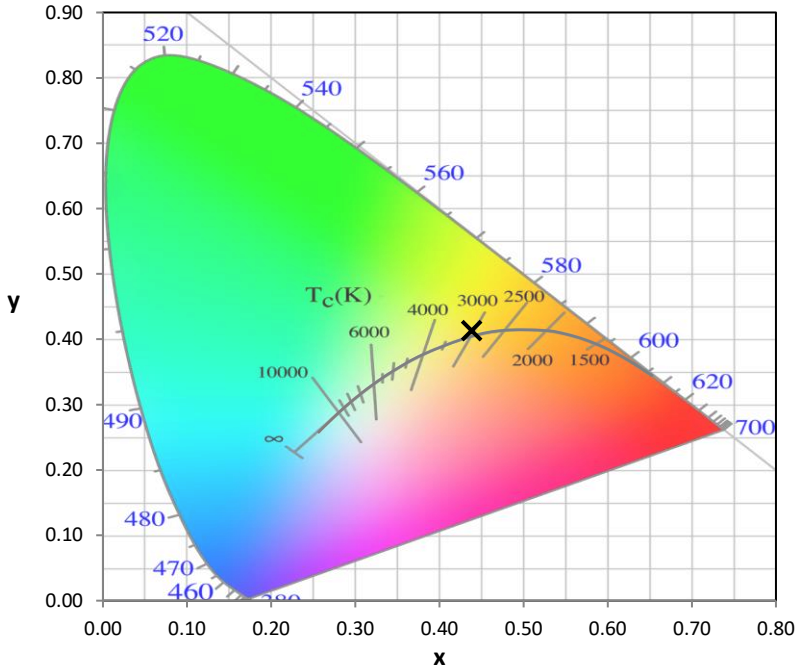
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

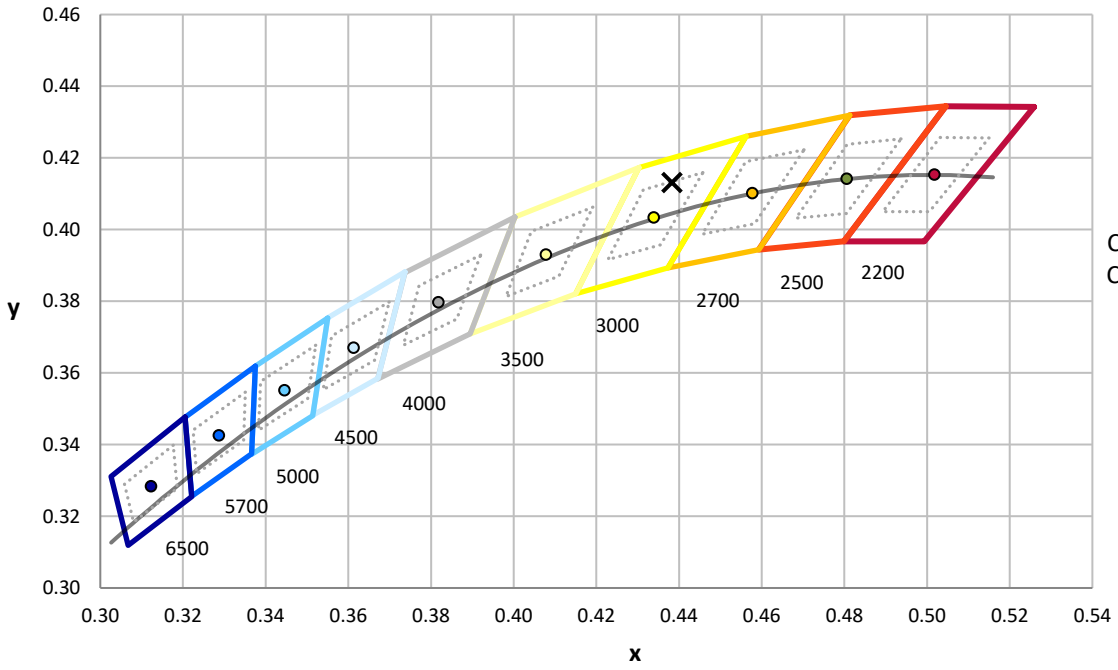
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

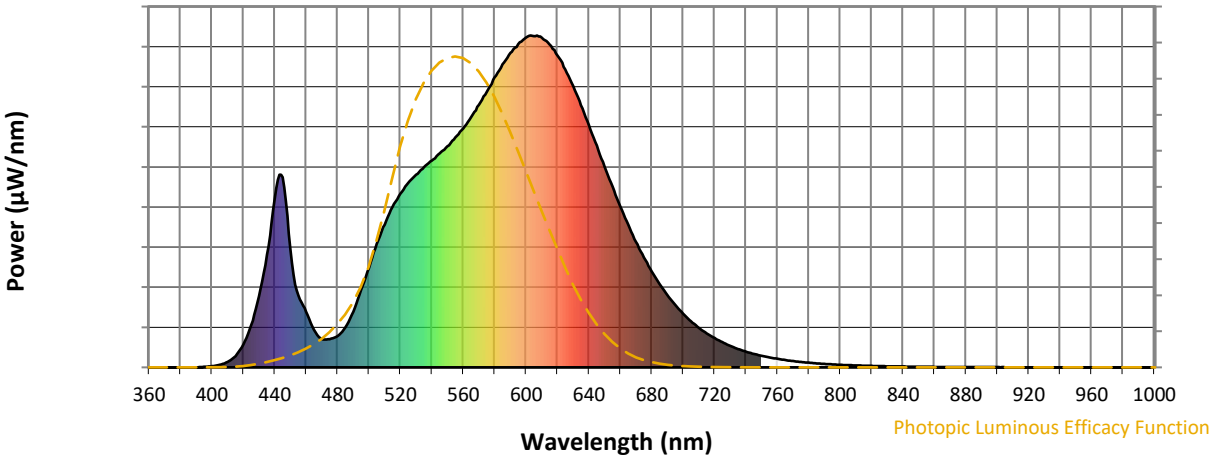


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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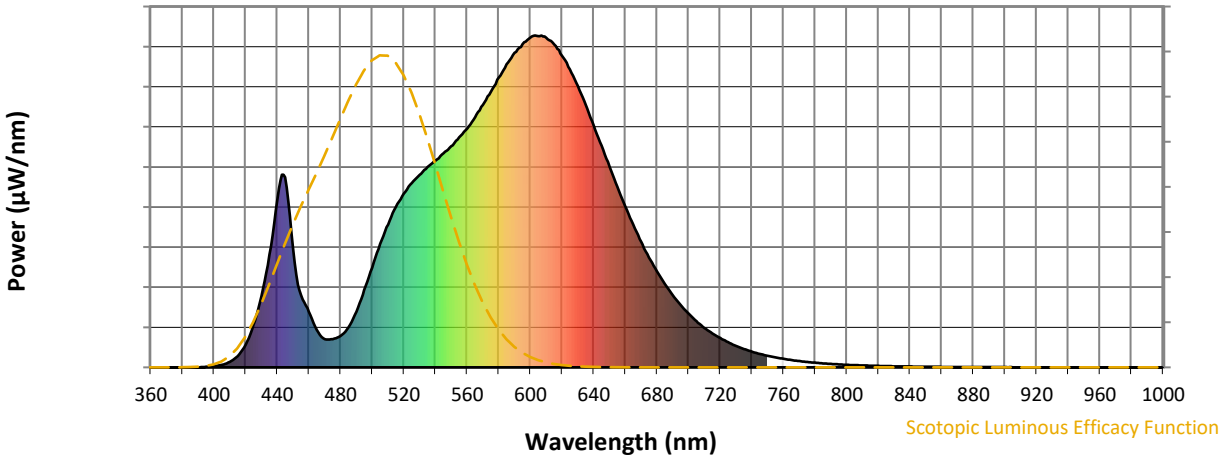
Scotopic Flux vs. Wavelength



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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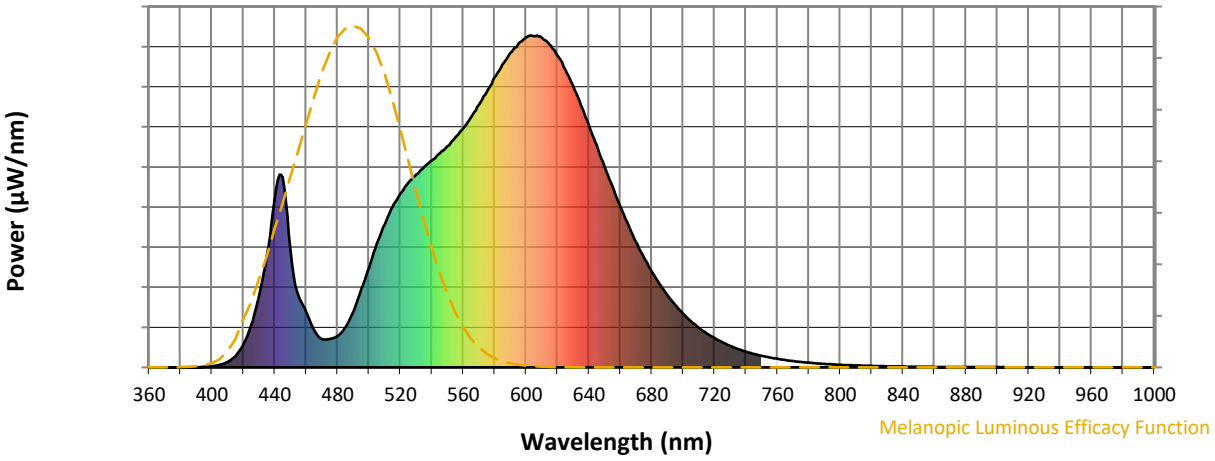
Melanopic Flux vs. Wavelength



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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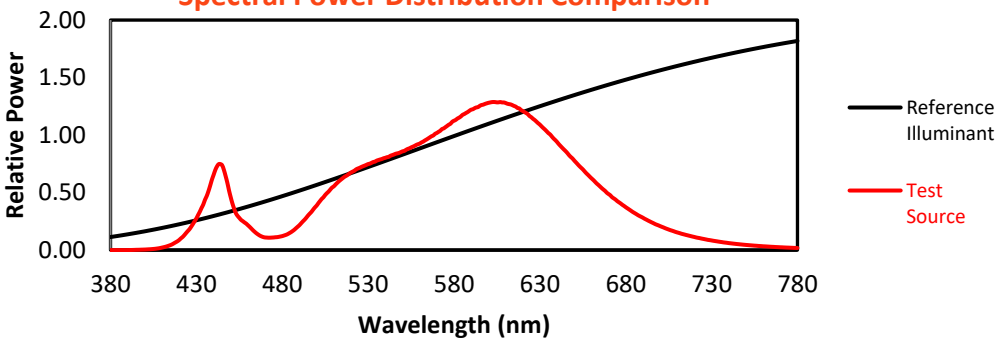
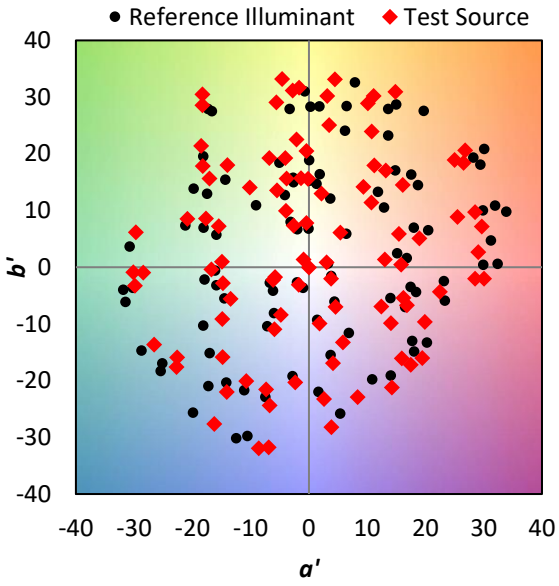
Summary

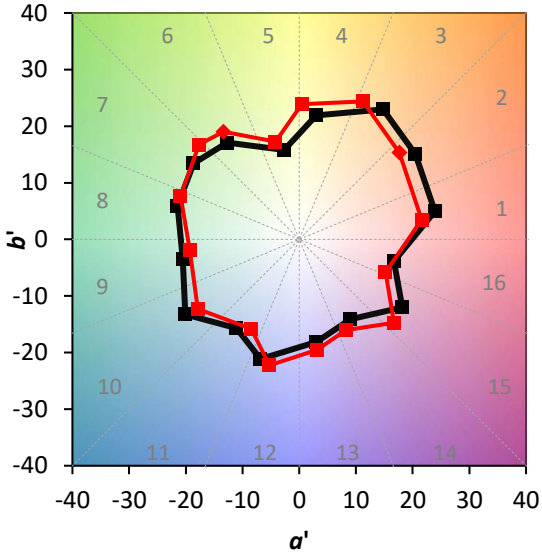
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

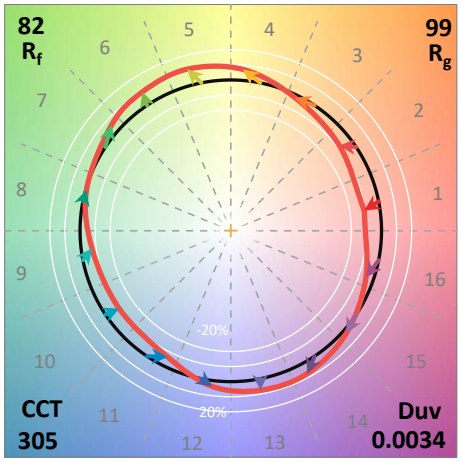
Spectral Power Distribution Comparison

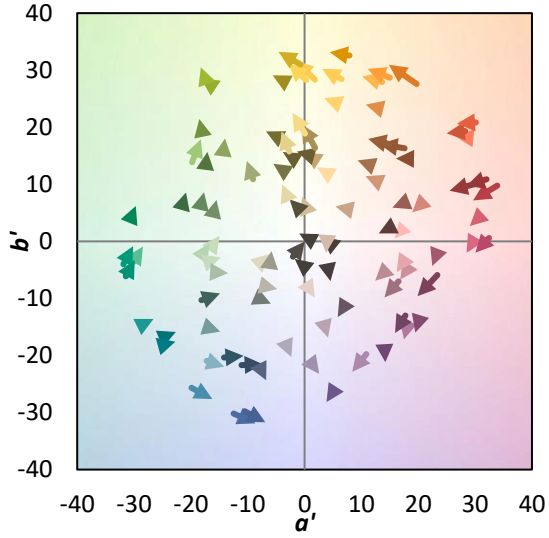


Color Vector Graphics









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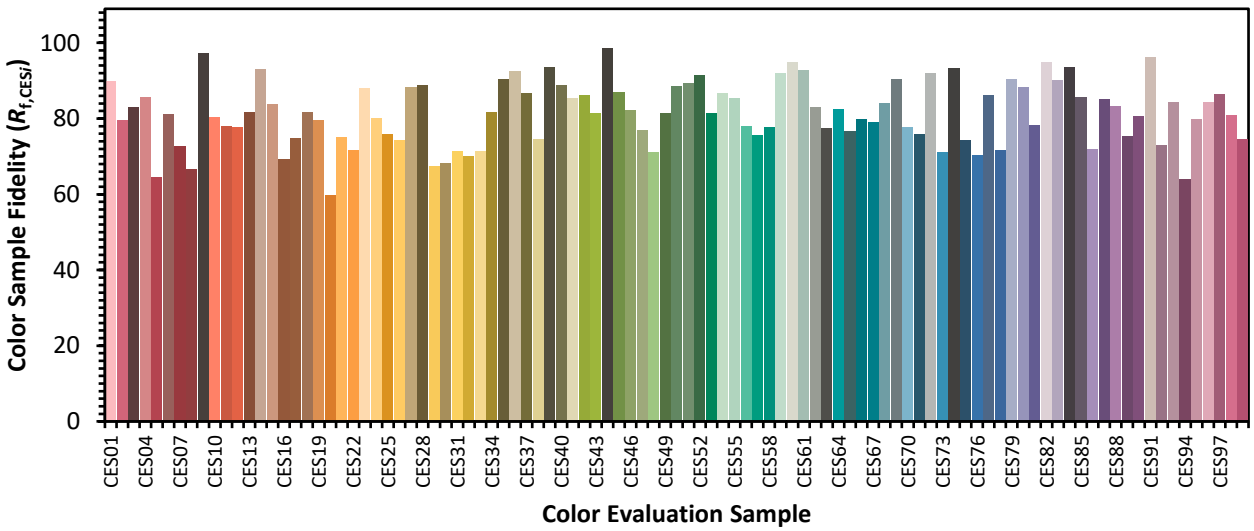
Individual Sample Fidelity Index ($R_{f,i}$)

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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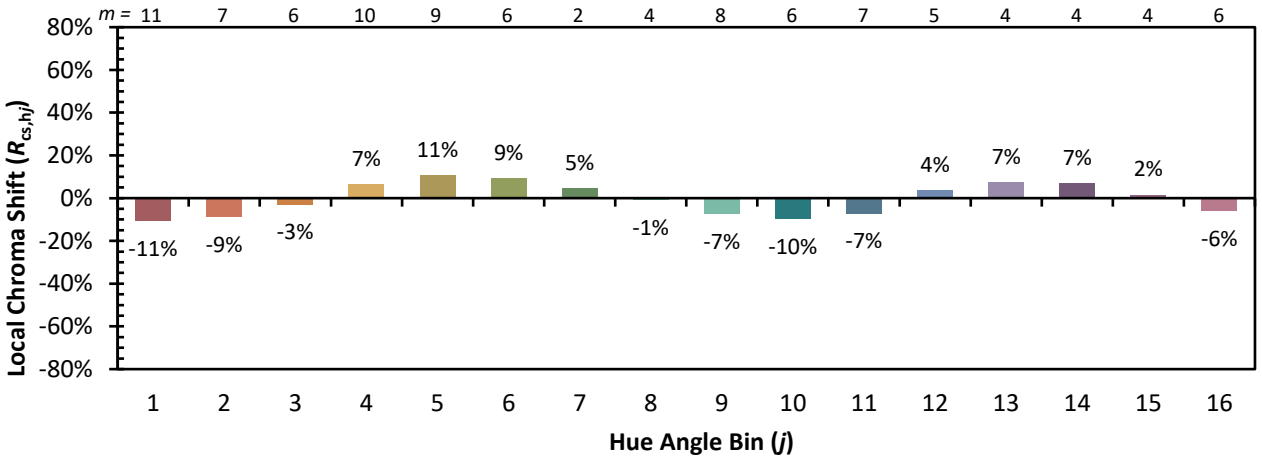
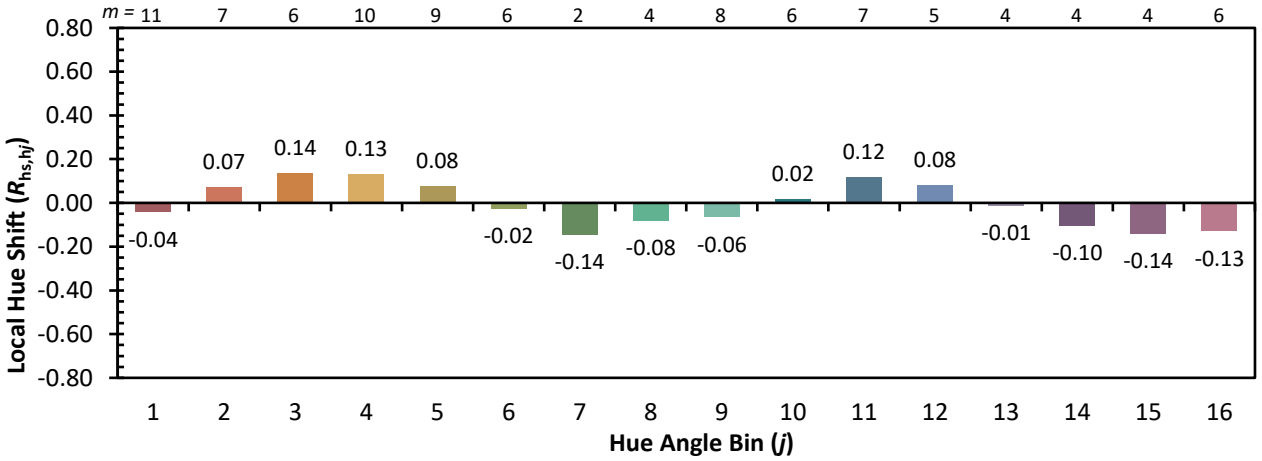
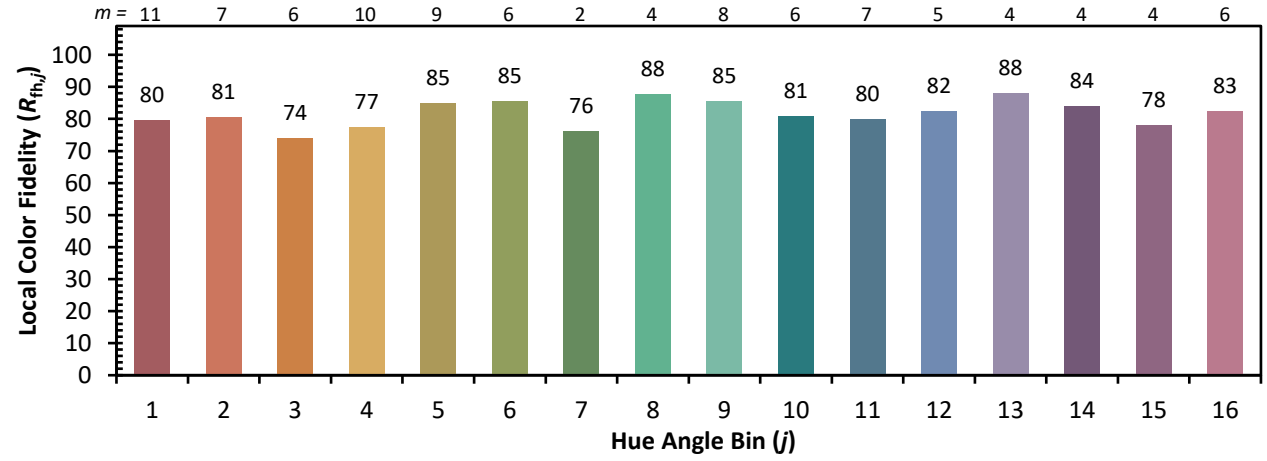
Color Rendition by Hue-Angle Bin







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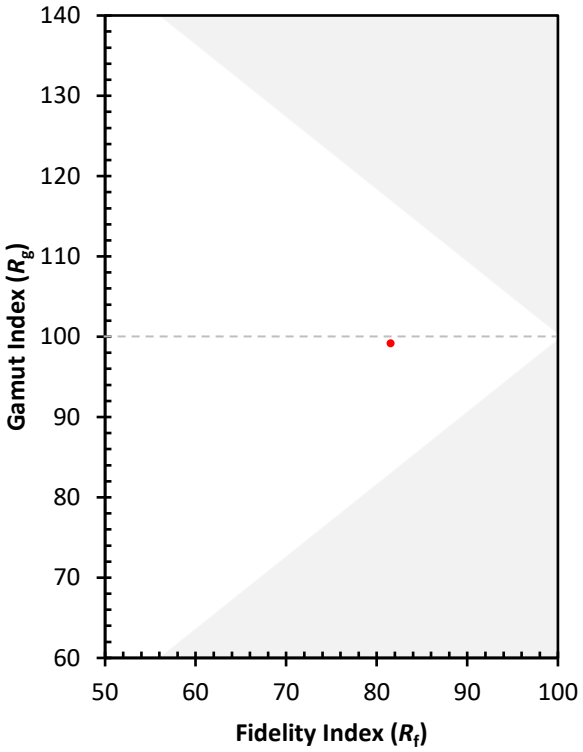
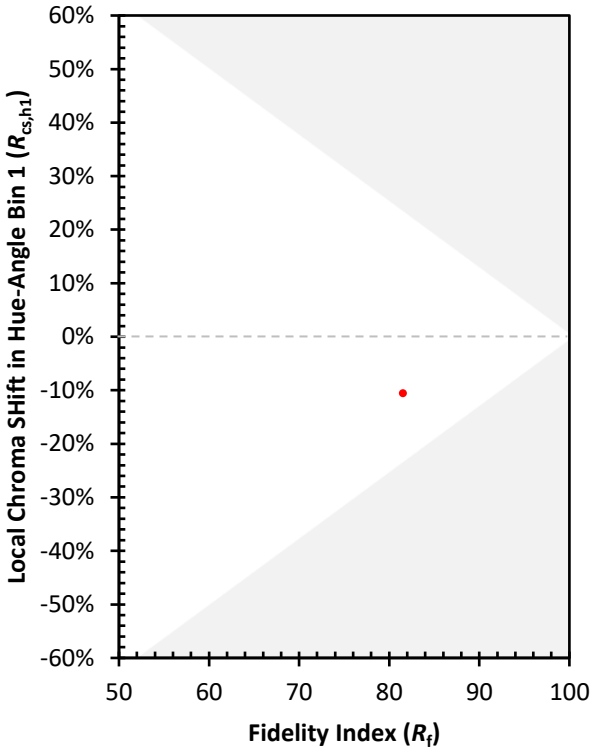
Measure Comparisons





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