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: P642425

Luminaire Tested: GWS-SA6C-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:	P642425
	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-SA6C-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:	22969.6 lumens
Efficiency:	N/A
Efficacy:	121.4 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	189.2
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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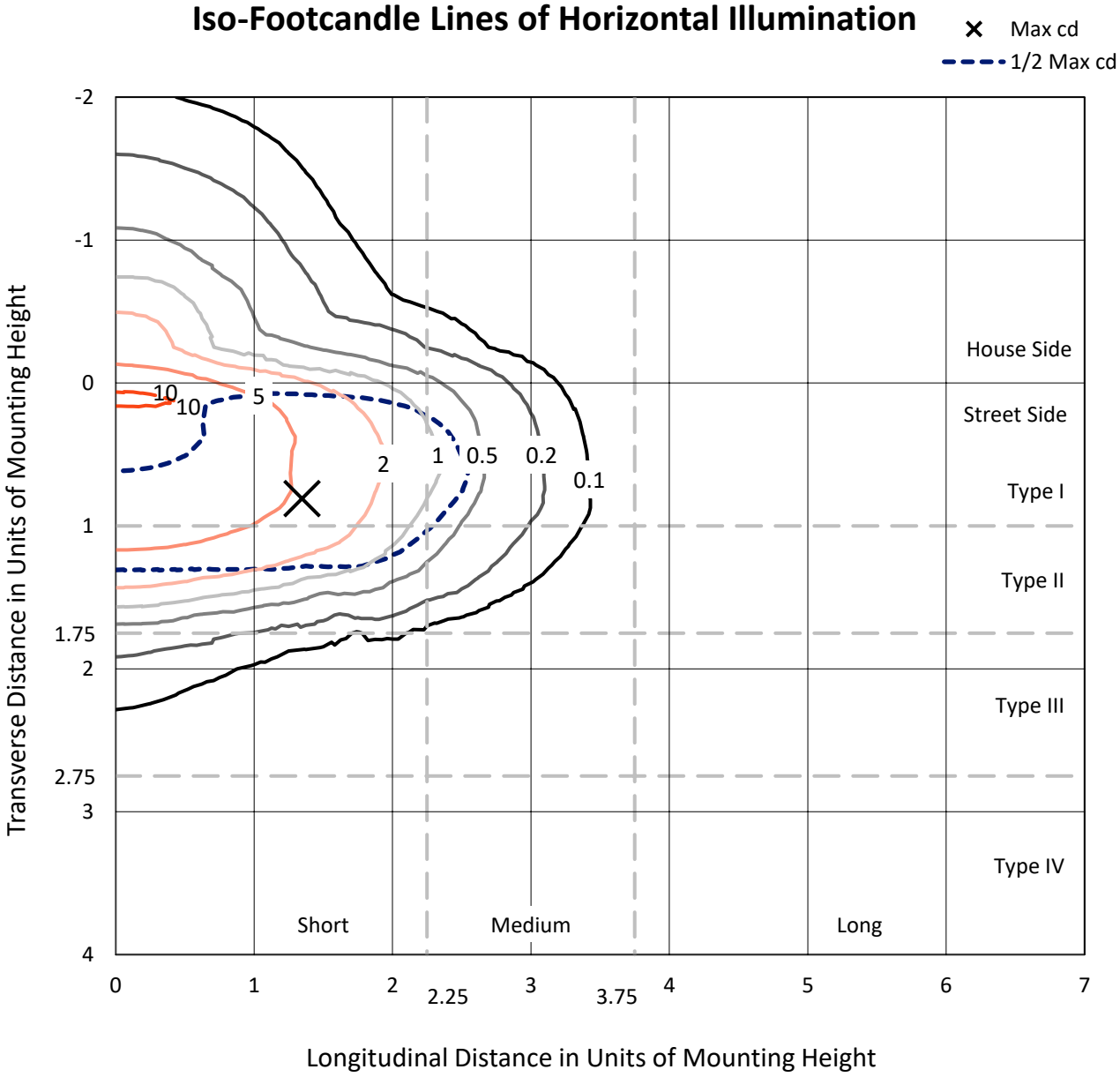
REPORT NUMBER: P642425
CATALOG NUMBER: GWS-SA6C-830-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11 fc
Type II - Short - N/A

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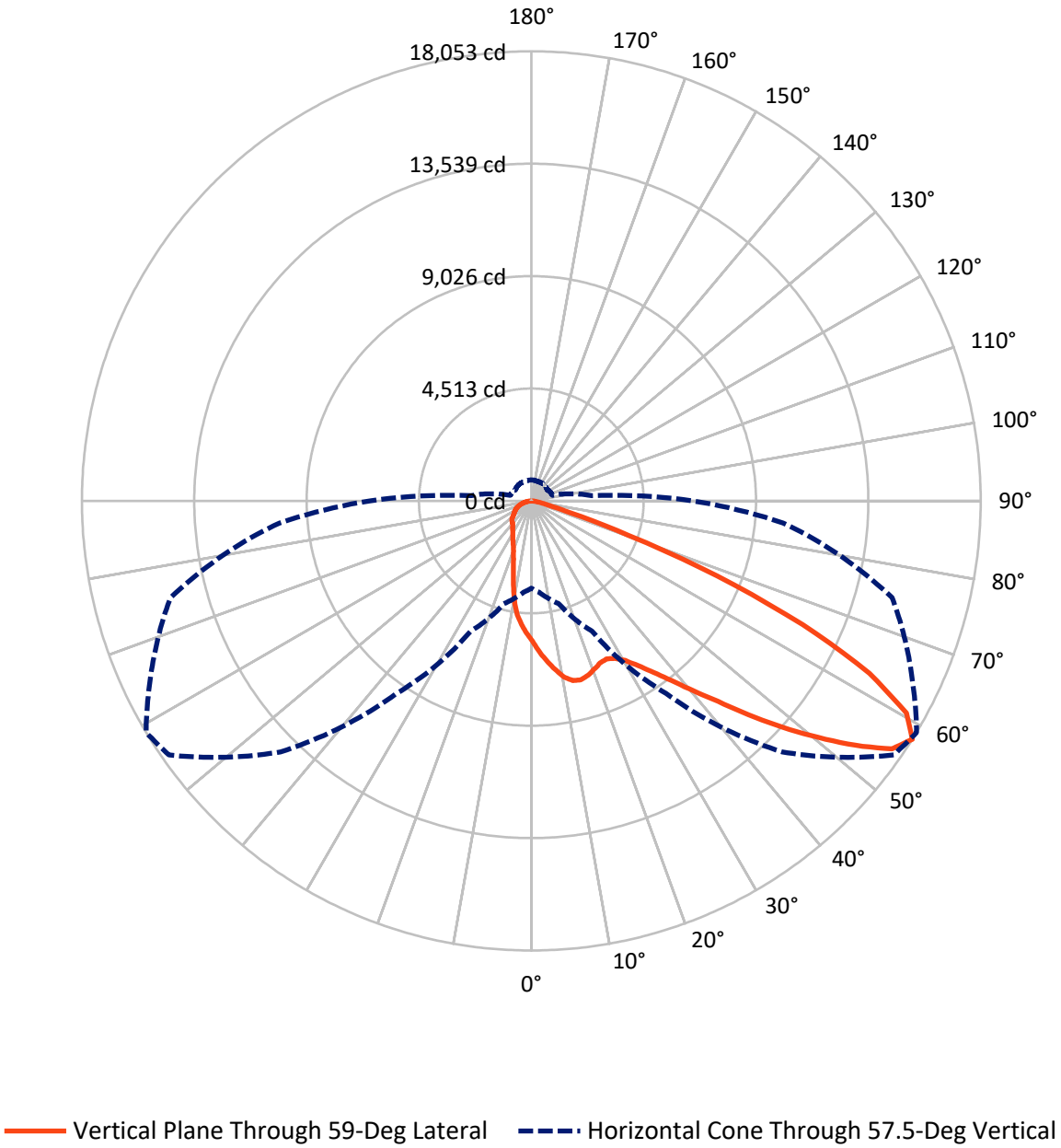
Luminous Intensity Polar Plot



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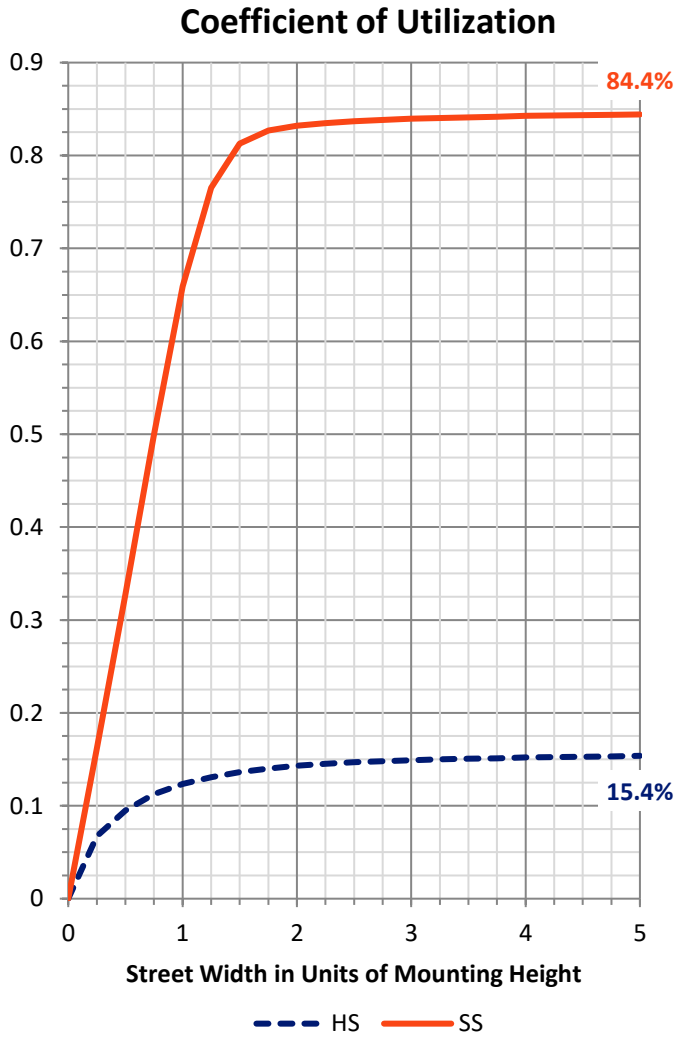
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3564.8	0.0	3564.8
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	19404.8	0.0	19404.8
	% Fixture	84.5	0.0	84.5
Total	Lumens	22969.6	0.0	22969.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.6	2.3
10°-20°	1326.7	5.8
20°-30°	2150.6	9.4
30°-40°	3459.5	15.1
40°-50°	5372.2	23.4
50°-60°	5786.6	25.2
60°-70°	3358.3	14.6
70°-80°	876.7	3.8
80°-90°	115.5	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°	22969.6	100.0
0°-180°	22969.6	100.0



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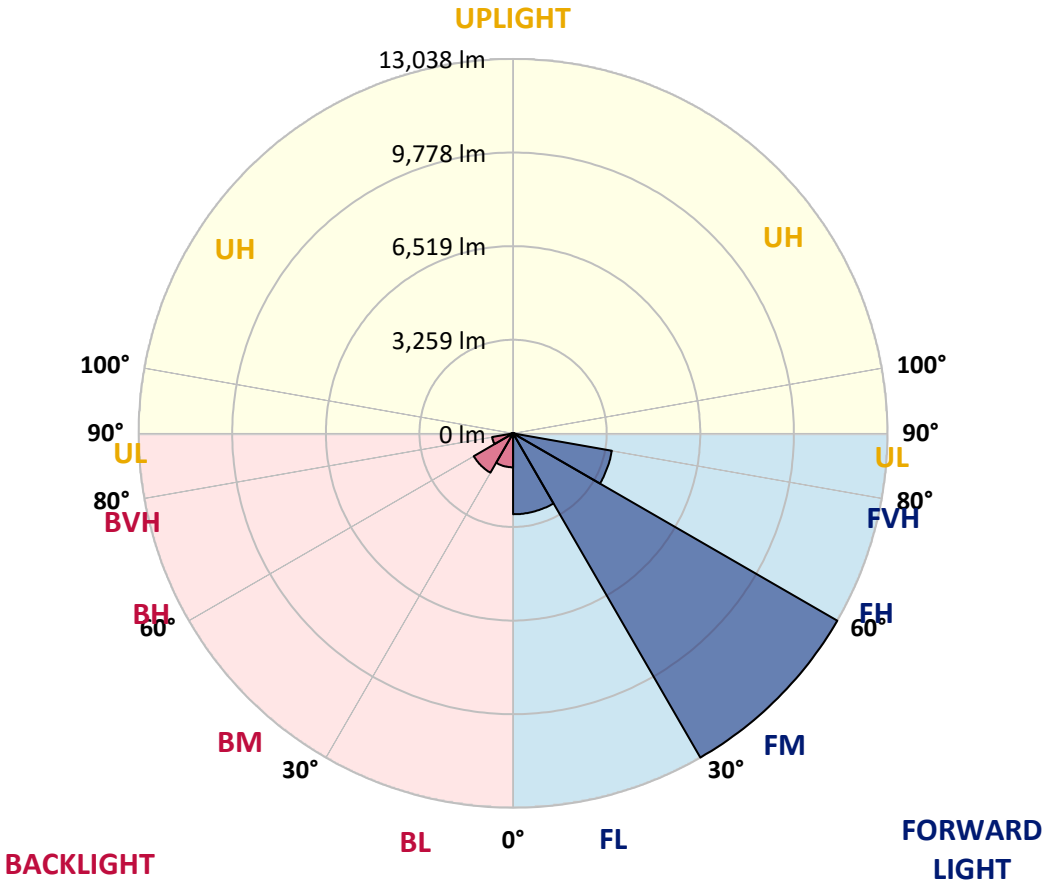
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2818.2	12.3			
FM	(30°-60°)	13037.8	56.8			
FH	(60°-80°)	3493.6	15.2			G2/5000
FVH	(80°-90°)	55.3	0.2			G1/100
BL	(0°-30°)	1182.6	5.1	B3/2500		
BM	(30°-60°)	1580.5	6.9	B2/2500		
BH	(60°-80°)	741.5	3.2	B2/1000		G2/1000
BVH	(80°-90°)	60.2	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-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P642425
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6
2.5°	6395.3	6342.0	6379.2	6312.9	6285.4	6212.6	6118.8	6055.8	5958.7	5832.6	5722.7
5°	7030.8	6993.6	7001.7	6930.6	6867.5	6746.2	6553.8	6447.1	6282.2	6028.3	5792.2
7.5°	7011.4	7055.1	7079.3	7140.8	7158.6	7147.3	6974.2	6825.5	6644.4	6262.8	5907.0
10°	6285.4	6367.9	6442.2	6652.5	6907.9	7231.4	7271.8	7182.8	7000.1	6561.9	6044.5
12.5°	5494.7	5557.7	5624.0	5876.3	6267.6	6914.4	7352.6	7407.6	7334.8	6857.8	6199.7
15°	5106.6	5135.7	5198.7	5365.3	5677.4	6395.3	7211.9	7452.9	7583.9	7171.5	6374.3
17.5°	5090.4	5103.3	5134.1	5223.0	5439.7	5994.3	6958.1	7362.3	7779.5	7503.0	6578.1
20°	5425.1	5391.2	5371.8	5370.2	5476.9	5860.1	6712.3	7216.8	7871.7	7842.6	6796.4
22.5°	5889.2	5900.5	5858.5	5755.0	5742.1	5955.5	6589.4	7069.6	7899.2	8143.4	6998.5
25°	6547.3	6603.9	6479.4	6282.2	6185.1	6232.0	6665.4	7024.4	7895.9	8394.0	7124.6
27.5°	7315.4	7359.1	7233.0	6974.2	6773.7	6660.5	6891.8	7158.6	7923.4	8610.7	7200.6
30°	8190.2	8204.8	8031.8	7760.1	7467.4	7224.9	7268.5	7435.1	8064.1	8895.3	7289.6
32.5°	9259.1	9320.6	9058.6	8628.5	8219.4	7908.9	7774.7	7881.4	8368.1	9231.6	7427.0
35°	10615.8	10636.8	10303.7	9687.6	9108.7	8678.6	8397.2	8453.8	8830.6	9702.2	7634.0
37.5°	11894.9	11915.9	11561.8	10989.3	10161.4	9572.8	9165.3	9139.4	9422.4	10366.8	7971.9
40°	12706.6	12766.4	12608.0	12249.0	11458.3	10664.3	10111.3	10022.3	10198.6	11180.1	8442.5
42.5°	13143.2	13169.1	13165.8	13212.7	12742.2	11953.1	11178.5	11000.6	11118.7	12058.2	8917.9
45°	13146.4	13211.1	13384.1	13835.3	13856.3	13364.7	12527.1	12249.0	12140.6	12942.7	9414.3
47.5°	12557.8	12627.4	13102.8	13990.5	14645.4	14757.0	14142.5	13584.7	13128.7	13704.3	9821.8
50°	10775.9	10950.5	11856.1	13426.2	14800.7	15872.7	15683.6	14926.8	14006.7	14292.9	10077.3
52.5°	9228.4	9221.9	9779.8	11831.8	14152.2	16364.3	17174.5	16307.7	14875.0	14666.4	10142.0
55°	6757.6	6794.8	7365.6	9048.9	12422.0	15888.9	17994.3	17578.7	15871.1	14865.3	10116.1
57.5°	3504.1	3688.4	4273.8	5774.4	9438.6	14252.5	17776.0	18052.5	16883.4	15006.0	10150.1
60°	1770.6	1735.1	1945.3	2757.0	5468.8	11131.6	16430.6	17311.9	17066.1	15116.0	10171.1
62.5°	1182.0	1172.3	1114.1	1277.5	2234.7	6592.6	14006.7	15242.1	15796.7	14857.3	9902.7
65°	1023.6	1004.2	897.5	891.0	1085.0	2734.4	10266.5	11982.2	13055.9	13707.5	9260.7
67.5°	921.7	892.6	784.3	730.9	779.4	1201.5	5785.7	8036.6	9640.7	11592.5	7853.9
70°	823.1	808.5	700.2	622.6	617.7	732.5	2131.2	4147.7	5898.9	7908.9	5742.1
72.5°	737.4	711.5	619.3	544.9	507.7	519.1	924.9	1597.6	3052.9	4933.6	3434.6
75°	638.7	619.3	538.5	464.1	418.8	380.0	564.3	739.0	1392.3	2344.7	1621.9
77.5°	493.2	480.3	425.3	368.7	342.8	283.0	342.8	465.7	643.6	988.0	844.1
80°	286.2	294.3	316.9	287.8	252.3	202.1	223.1	268.4	386.5	535.2	478.6
82.5°	143.9	153.6	205.4	166.6	150.4	118.0	132.6	158.5	202.1	295.9	187.6
85°	11.3	11.3	37.2	42.0	51.7	42.0	53.4	64.7	92.2	118.0	63.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	8.1	14.6	27.5	17.8
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: P642425
CATALOG NUMBER: GWS-SA6C-830-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6	5638.6
2.5°	5648.3	5565.8	5467.2	5386.3	5261.8	5195.5	5111.4	5007.9	4965.9	4946.5	4935.2
5°	5659.6	5514.1	5303.9	5109.8	4894.7	4725.0	4535.8	4338.5	4225.3	4197.8	4178.4
7.5°	5701.6	5497.9	5163.2	4843.0	4443.6	4073.3	3712.7	3355.3	3172.6	3103.1	3096.6
10°	5759.9	5491.4	5020.9	4488.9	3814.6	3229.2	2807.2	2527.4	2409.4	2370.6	2357.6
12.5°	5832.6	5486.6	4833.3	3997.3	3088.5	2535.5	2294.6	2249.3	2265.5	2262.2	2262.2
15°	5924.8	5493.0	4606.9	3441.0	2498.3	2200.8	2205.6	2259.0	2309.1	2317.2	2317.2
17.5°	6025.0	5486.6	4278.7	2883.2	2144.2	2121.5	2195.9	2270.3	2315.6	2322.1	2322.1
20°	6133.4	5455.9	3864.7	2357.6	1988.9	2071.4	2152.3	2210.5	2238.0	2244.4	2244.4
22.5°	6198.1	5368.5	3415.2	1995.4	1890.3	1992.2	2045.5	2105.4	2108.6	2056.9	2055.2
25°	6188.4	5205.2	2902.6	1762.6	1785.2	1874.1	1942.1	1900.0	1848.3	1819.2	1814.3
27.5°	6126.9	4959.4	2380.3	1586.3	1660.7	1760.9	1739.9	1704.3	1691.4	1659.1	1655.8
30°	6049.3	4657.0	1911.3	1448.9	1531.3	1623.5	1591.2	1587.9	1575.0	1539.4	1539.4
32.5°	5974.9	4345.0	1557.2	1347.0	1448.9	1455.3	1500.6	1503.8	1497.4	1435.9	1429.5
35°	5953.9	4032.9	1317.9	1266.1	1368.0	1364.8	1429.5	1427.8	1316.3	1230.6	1228.9
37.5°	6017.0	3715.9	1175.6	1199.8	1256.4	1298.5	1350.2	1256.4	1219.2	1167.5	1164.3
40°	6151.2	3423.2	1102.8	1161.0	1185.3	1246.7	1165.9	1172.3	1162.6	1123.8	1119.0
42.5°	6329.0	3174.2	1062.4	1148.1	1144.9	1161.0	1072.1	1098.0	1112.5	1083.4	1078.6
45°	6500.5	2957.5	1041.4	1099.6	1115.7	1022.0	1004.2	1028.4	1051.1	1039.7	1034.9
47.5°	6626.6	2770.0	1030.0	1033.3	1078.6	975.1	946.0	957.3	984.8	989.6	988.0
50°	6665.4	2609.9	1017.1	978.3	968.6	928.2	905.5	902.3	934.6	957.3	960.5
52.5°	6591.0	2467.6	983.2	929.8	882.9	889.4	881.3	865.1	897.5	928.2	931.4
55°	6481.0	2386.7	929.8	882.9	827.9	853.8	857.0	842.5	863.5	884.5	884.5
57.5°	*6489.1*	*2433.6*	*878.0*	*839.2*	*779.4*	*813.4*	*831.2*	*824.7*	*824.7*	*840.9*	*842.5*
60°	6542.5	2501.5	844.1	784.3	730.9	766.5	806.9	800.4	785.9	806.9	806.9
62.5°	6388.9	2411.0	821.5	730.9	679.2	721.2	769.7	766.5	750.3	784.3	787.5
65°	5936.1	2168.4	795.6	664.6	627.4	675.9	718.0	729.3	714.7	760.0	768.1
67.5°	4975.6	1824.0	745.5	601.5	575.7	620.9	661.4	677.5	666.2	719.6	726.0
70°	3709.5	1476.3	666.2	532.0	512.6	553.0	590.2	596.7	598.3	661.4	667.8
72.5°	2365.7	1148.1	561.1	454.4	439.8	470.6	498.0	523.9	535.2	595.1	593.4
75°	1319.5	853.8	451.2	384.9	359.0	383.2	415.6	446.3	478.6	566.0	575.7
77.5°	760.0	599.9	357.4	308.9	278.1	304.0	331.5	375.2	472.2	548.2	538.5
80°	428.5	389.7	270.0	226.4	207.0	226.4	247.4	329.9	371.9	404.3	409.1
82.5°	200.5	218.3	184.3	139.1	139.1	152.0	171.4	255.5	281.4	229.6	200.5
85°	72.8	98.6	90.6	71.1	63.1	61.4	106.7	145.5	90.6	80.9	69.5
87.5°	19.4	27.5	25.9	17.8	9.7	8.1	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

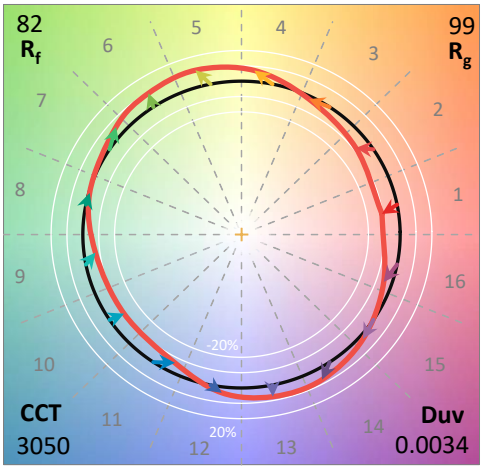
Test Information

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

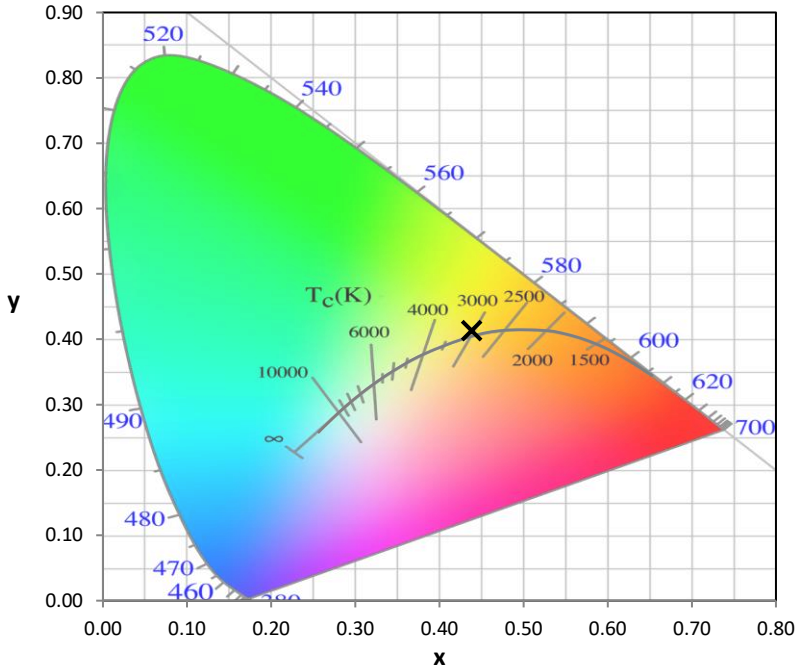
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

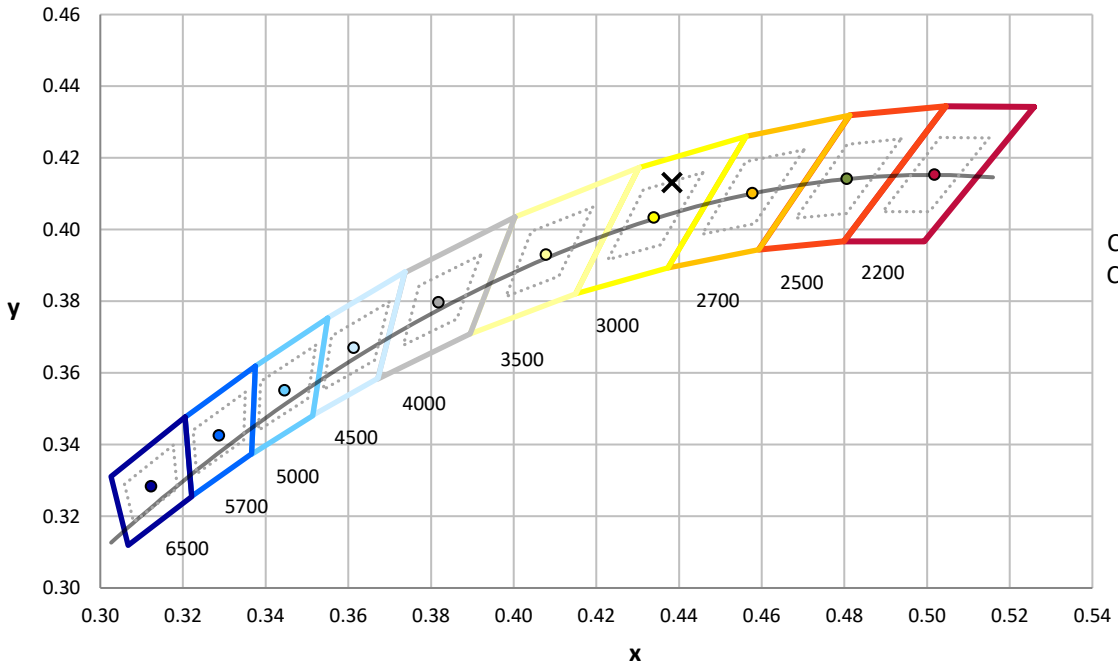
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

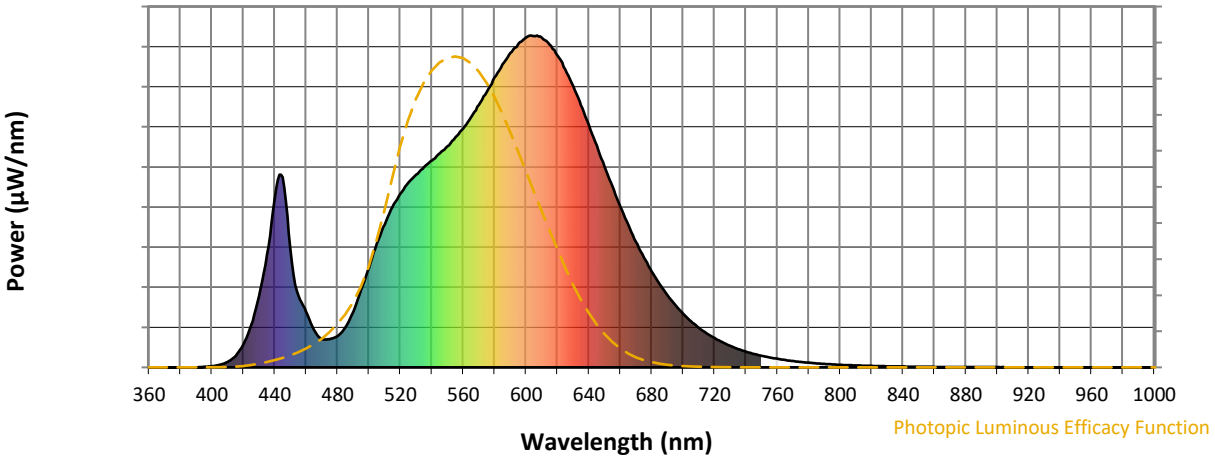


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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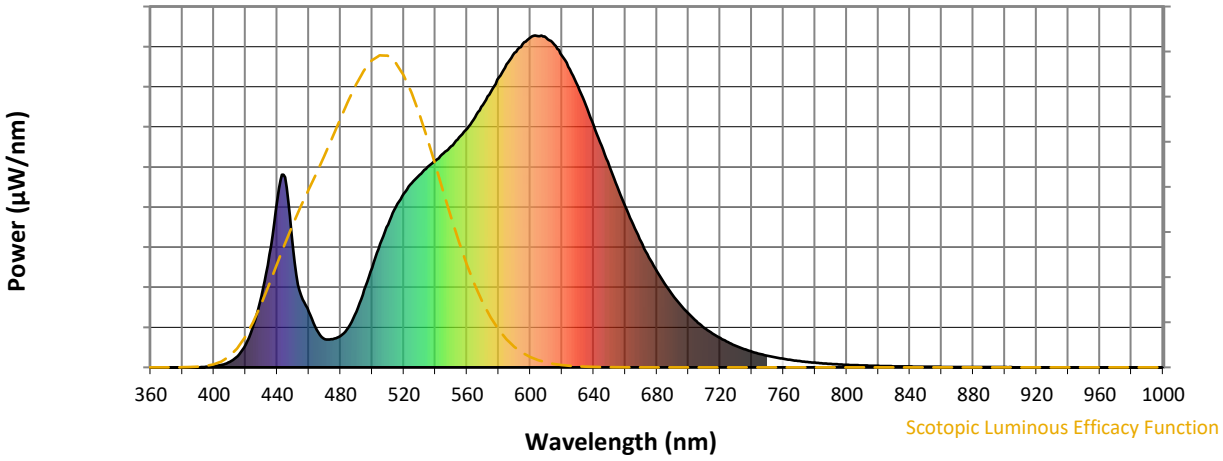
Scotopic Flux vs. Wavelength



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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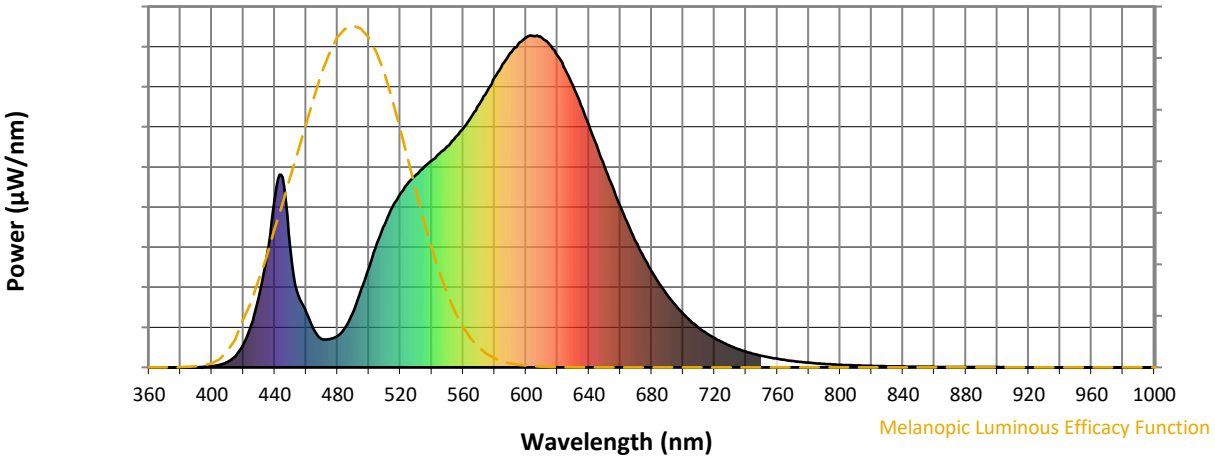
Melanopic Flux vs. Wavelength



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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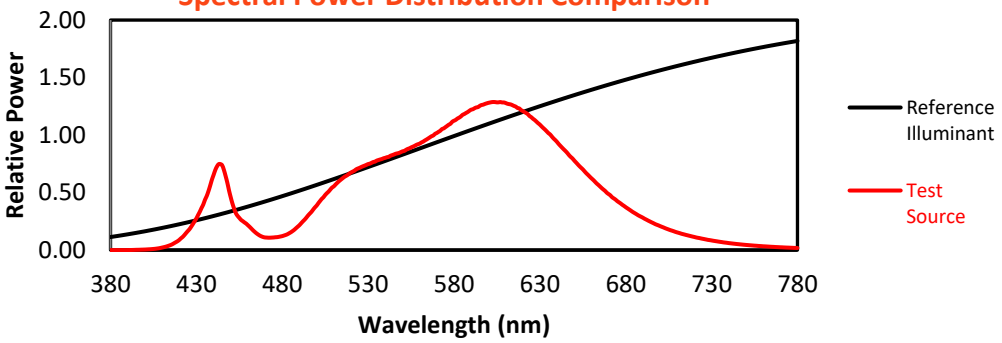
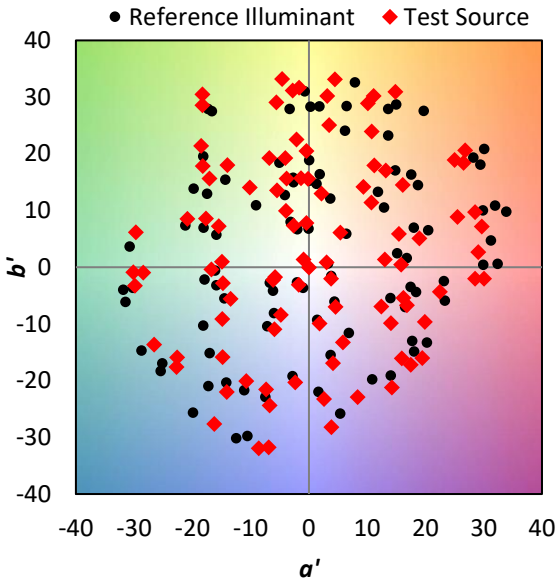
Summary

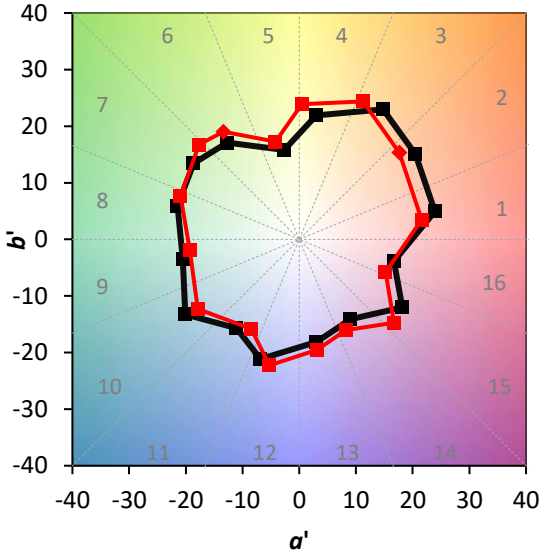
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

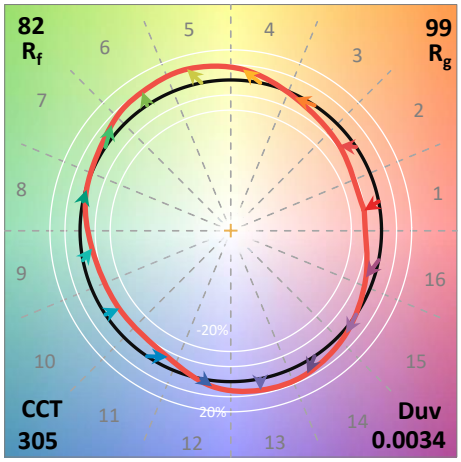
Spectral Power Distribution Comparison

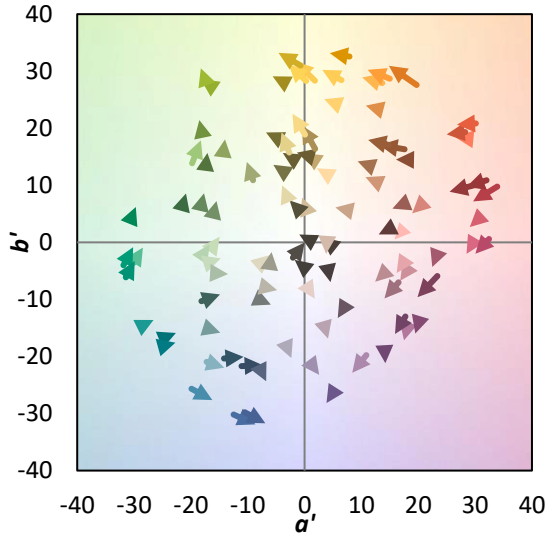


Color Vector Graphics









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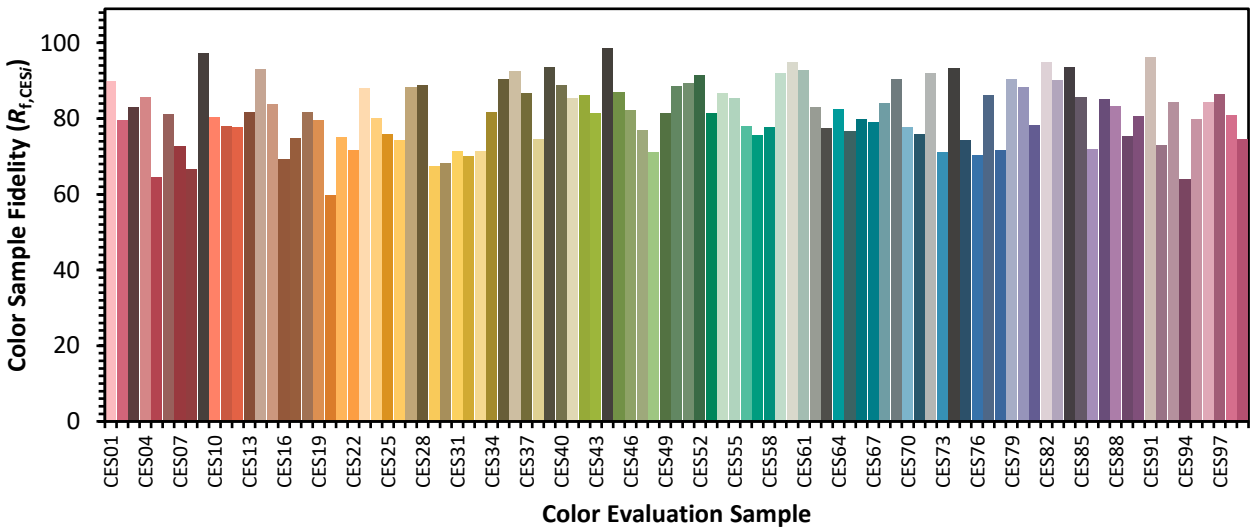
Individual Sample Fidelity Index ($R_{f,i}$)

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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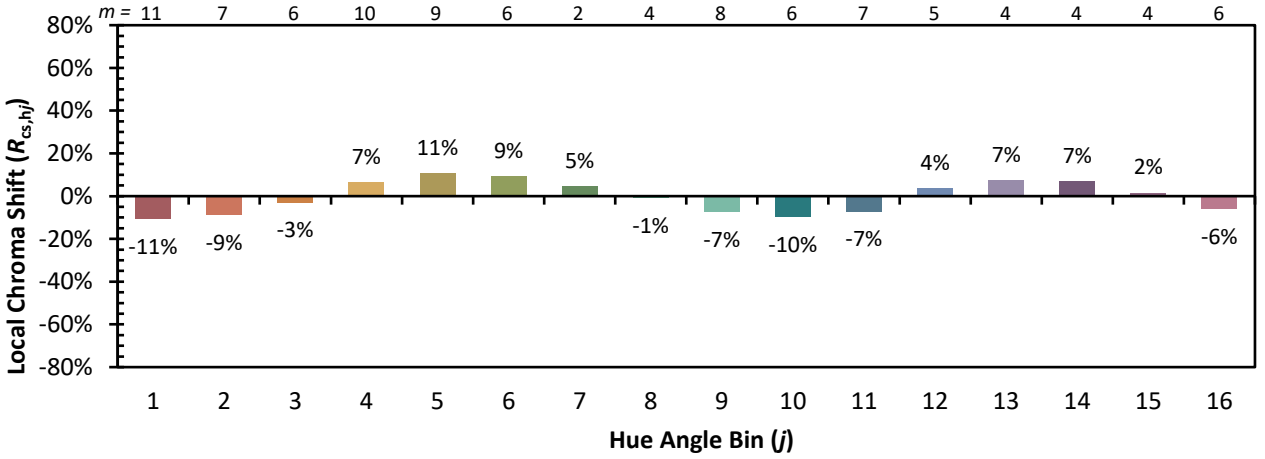
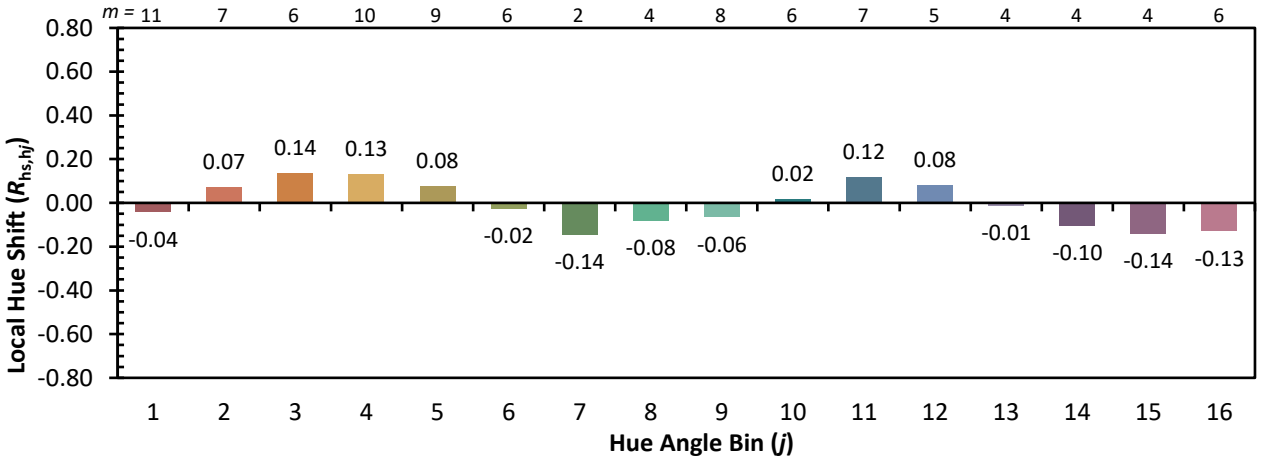
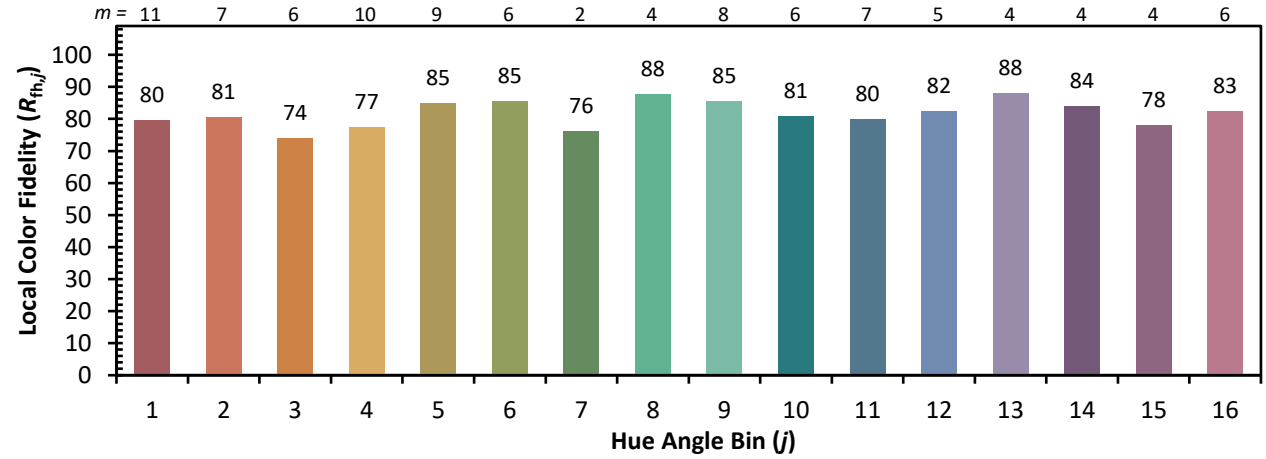
Color Rendition by Hue-Angle Bin







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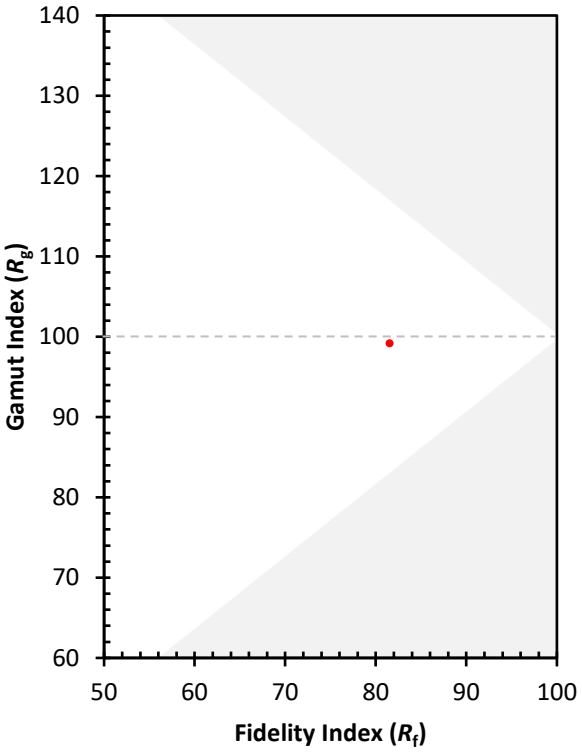
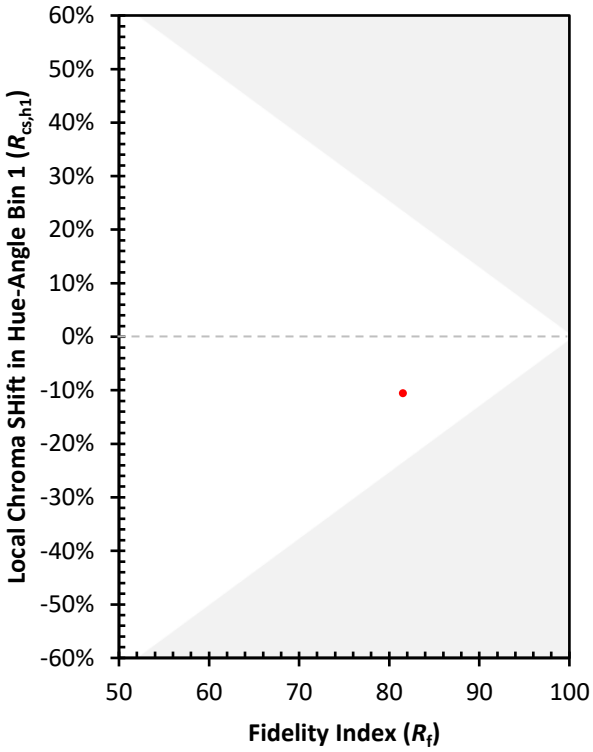
Measure Comparisons





(END OF REPORT)