Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1201617

Luminaire Tested: GWC-SB1B-830-U-SL4

Issue Date: 10/30/2025

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201617
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-830-U-SL4
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5042 lumens
Efficiency:	N/A
Efficacy:	126.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	39.8
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.305
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

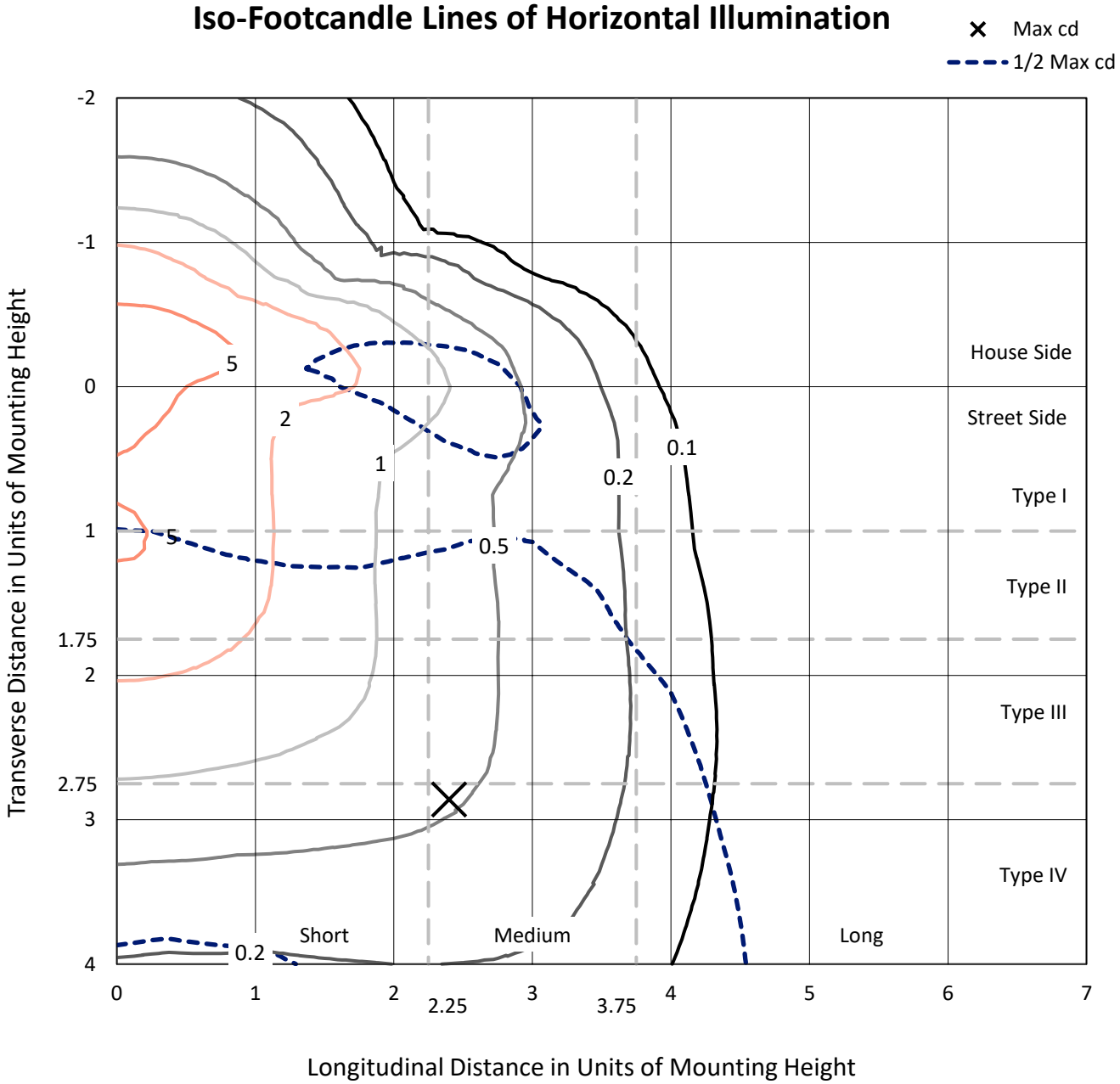


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Scaled Data Report

REPORT NUMBER: P1201617
CATALOG NUMBER: GWC-SB1B-830-U-SL4

Iso-Footcandle Lines of Horizontal Illumination



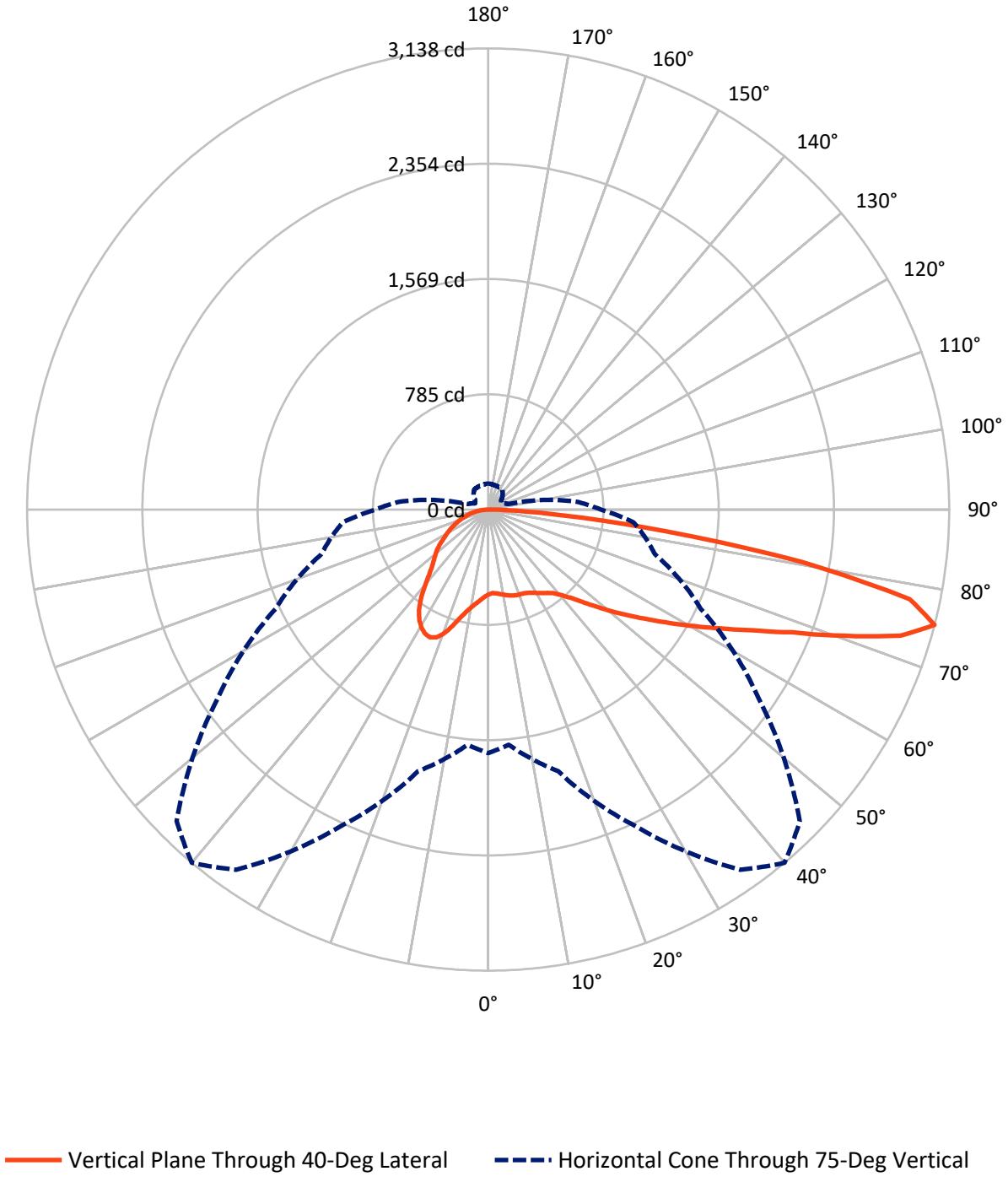
Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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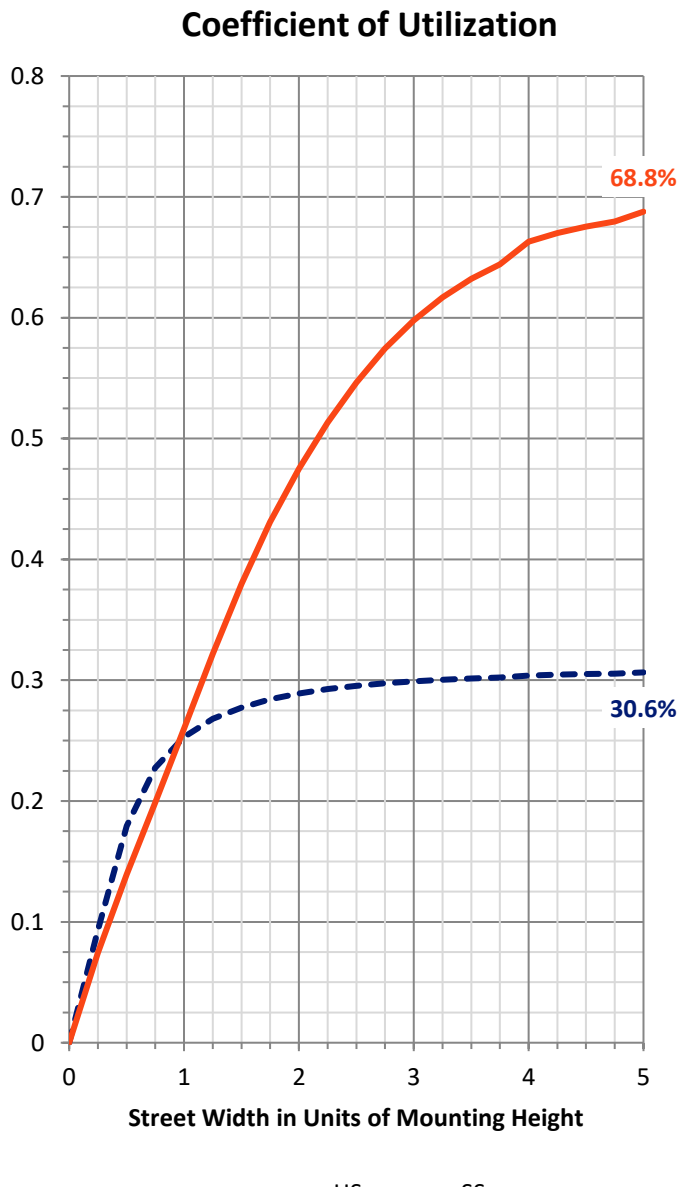
REPORT NUMBER: P1201617
CATALOG NUMBER: GWC-SB1B-830-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1562.2	0.0	1562.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	3479.8	0.0	3479.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	5042.0	0.0	5042.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	1.1
10°-20°	193.2	3.8
20°-30°	352.8	7.0
30°-40°	500.4	9.9
40°-50°	675.7	13.4
50°-60°	909.0	18.0
60°-70°	1153.7	22.9
70°-80°	1047.0	20.8
80°-90°	152.6	3.0
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°	5042.0	100.0
0°-180°	5042.0	100.0



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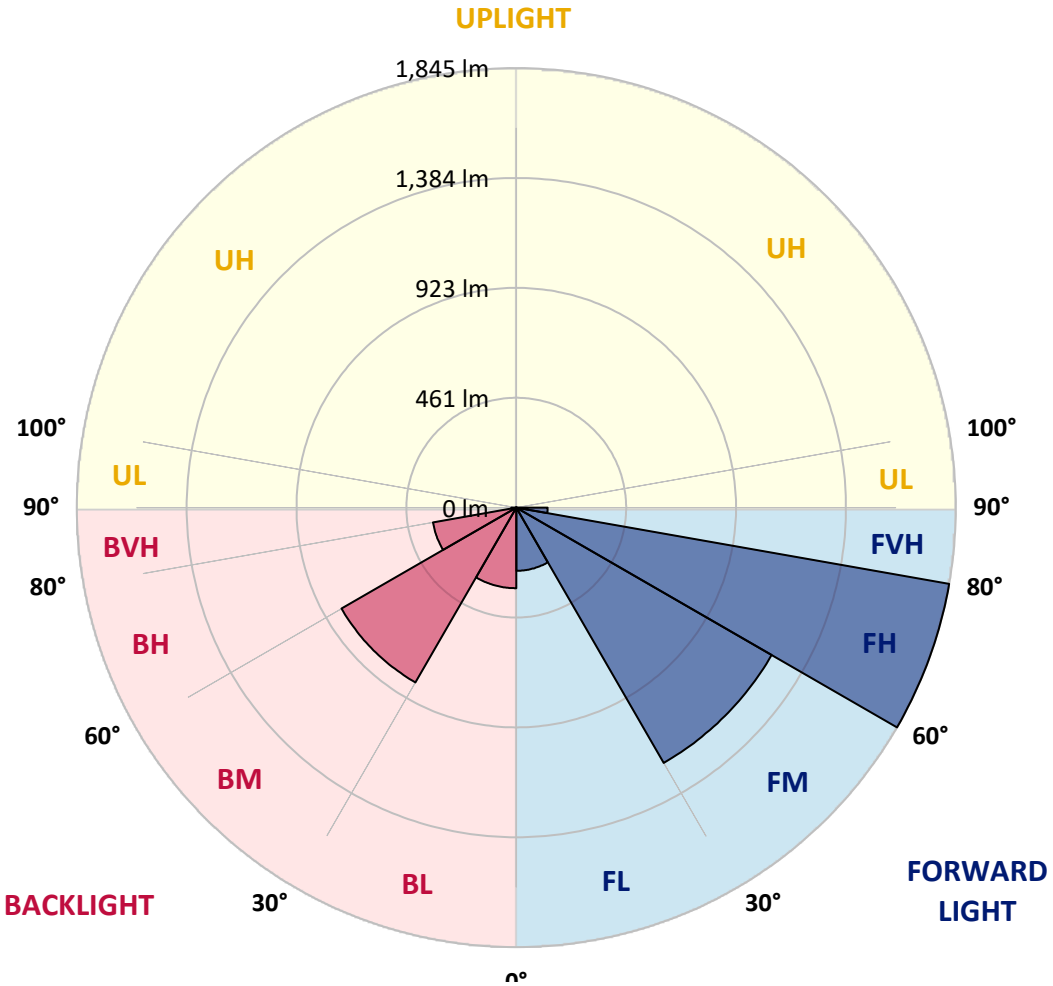
Scaled Data Report

REPORT NUMBER: P1201617
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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°)	265.2	5.3			
FM	(30°-60°)	1237.7	24.5			
FH	(60°-80°)	1845.3	36.6			G2/5000
FVH	(80°-90°)	131.6	2.6			G2/225
BL	(0°-30°)	338.4	6.7	B1/500		
BM	(30°-60°)	847.3	16.8	B1/1000		
BH	(60°-80°)	355.4	7.0	B1/500		G1/500
BVH	(80°-90°)	21.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Medium



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Scaled Data Report

REPORT NUMBER: P1201617
CATALOG NUMBER: GWC-SB1B-830-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	576.6	576.6	576.6	576.6	576.6	*576.6*	576.6	576.6	576.6	576.6	576.6
2.5°	567.7	570.9	570.1	569.1	569.1	*569.3*	569.1	570.9	572.8	574.7	577.6
5°	573.6	576.8	575.2	573.9	572.8	*572.5*	571.7	571.5	572.5	575.0	579.0
7.5°	585.1	588.3	585.9	583.5	581.4	*580.3*	579.2	577.6	576.8	578.2	583.8
10°	598.0	601.2	598.2	593.9	590.5	*589.1*	588.1	586.5	585.4	586.2	592.3
12.5°	610.8	614.0	610.0	604.1	599.6	*598.8*	597.4	596.9	596.6	596.3	602.5
15°	622.8	625.5	620.4	613.5	608.6	*607.3*	606.0	606.8	608.1	609.7	616.7
17.5°	632.2	634.9	627.4	618.3	613.7	*613.2*	612.4	615.1	618.8	622.8	631.4
20°	640.7	643.4	633.8	621.5	616.1	*616.1*	616.4	622.0	627.4	633.3	645.0
22.5°	652.8	654.9	643.1	626.3	618.5	*619.1*	621.2	626.8	633.5	641.5	657.9
25°	670.7	672.3	657.9	635.4	626.6	*628.2*	630.0	632.7	639.1	648.5	670.4
27.5°	699.6	700.9	681.9	651.4	638.1	*640.7*	643.4	641.5	644.5	652.5	680.6
30°	740.2	741.0	717.0	676.6	657.6	*658.9*	659.5	651.7	646.1	652.5	687.8
32.5°	788.4	788.1	759.5	707.1	679.8	*678.4*	673.9	658.7	645.6	651.2	694.2
35°	863.0	860.0	823.1	749.8	704.9	*696.6*	685.9	666.4	648.2	649.8	699.8
37.5°	986.5	977.4	926.3	819.9	742.4	*721.2*	705.5	679.0	654.1	649.3	706.5
40°	1125.8	1114.3	1058.2	915.9	798.5	*764.6*	739.2	696.9	663.7	651.7	716.4
42.5°	1291.1	1274.8	1214.4	1029.0	869.7	*820.4*	782.2	719.6	677.9	659.5	729.8
45°	1494.1	1472.4	1386.8	1156.6	959.2	*893.7*	842.6	754.1	699.6	674.4	749.8
47.5°	1699.2	1704.5	1582.9	1302.6	1066.7	*984.1*	918.3	806.0	731.1	698.5	782.2
50°	1917.1	1920.9	1777.8	1464.4	1188.7	*1086.3*	1003.4	864.0	775.0	732.7	830.6
52.5°	2087.2	2087.8	1954.8	1633.7	1315.7	*1198.6*	1095.1	930.4	825.8	778.2	895.1
55°	2193.7	2192.3	2078.9	1793.9	1461.7	*1316.5*	1196.7	1005.8	887.8	831.7	976.1
57.5°	2270.9	2266.9	2164.5	1931.6	1617.4	*1455.8*	1311.7	1091.3	961.1	895.3	1082.8
60°	2300.4	2297.9	2222.5	2050.6	1781.0	*1609.9*	1444.3	1187.1	1044.3	970.5	1220.0
62.5°	2311.6	2316.1	2279.5	2165.8	1956.2	*1780.5*	1590.1	1301.5	1137.9	1055.5	1364.6
65°	2351.2	2359.5	2352.0	2316.7	2154.1	*1980.3*	1783.4	1437.7	1240.0	1146.7	1515.7
67.5°	2429.5	2437.8	2441.0	2497.2	2395.8	*2229.2*	2024.6	1607.2	1359.6	1241.4	1629.4
70°	2427.6	2425.2	2481.9	2640.8	2698.5	*2573.9*	2349.8	1815.8	1502.1	1320.0	1643.8
72.5°	2209.7	2190.4	2324.4	2639.2	2950.5	*2933.9*	2746.9	2084.8	1625.1	1329.6	1426.4
75°	*1657.7*	*1606.4*	*1843.1*	*2378.4*	*2992.4*	*3138.2*	*2999.4*	*2251.7*	*1596.0*	*1174.8*	*992.7*
77.5°	708.9	657.3	936.2	1760.7	2678.2	*2933.6*	2767.8	1964.5	1274.0	776.9	487.5
80°	185.6	185.3	282.9	798.3	1821.4	*2166.4*	1900.6	1268.6	727.9	277.6	134.5
82.5°	76.7	74.9	104.0	310.5	890.0	*1215.7*	992.1	565.9	262.9	75.1	44.7
85°	28.6	28.3	50.5	107.2	314.0	*501.4*	362.9	144.7	65.5	36.6	20.1
87.5°	8.0	7.8	11.0	37.2	76.5	*116.1*	62.0	23.8	18.5	14.4	5.9
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: P1201617
CATALOG NUMBER: GWC-SB1B-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	576.6	576.6	576.6	576.6	576.6	576.6	576.6	576.6	576.6	576.6	576.6
2.5°	578.4	579.8	582.2	584.0	586.5	589.1	592.9	595.3	597.7	599.3	598.2
5°	580.8	583.8	589.9	596.1	603.3	610.0	617.7	623.4	627.9	629.2	629.8
7.5°	586.2	591.0	601.4	611.9	623.4	634.3	645.6	655.2	662.9	665.9	666.1
10°	595.5	602.0	616.7	631.4	646.6	663.5	677.9	691.8	702.8	707.3	707.6
12.5°	607.3	615.3	634.6	654.9	676.0	699.3	718.0	735.1	748.8	754.9	754.9
15°	622.6	633.0	657.6	684.9	715.9	748.2	772.0	791.0	806.3	813.8	813.2
17.5°	639.1	653.0	684.1	725.2	769.6	812.2	840.0	853.9	869.7	876.9	876.6
20°	655.2	672.3	716.7	776.6	835.7	880.9	903.3	907.1	908.2	909.0	911.1
22.5°	671.8	694.8	757.6	841.3	904.7	936.0	939.2	923.1	900.7	890.2	893.2
25°	689.9	720.4	811.1	912.7	964.1	967.8	943.2	904.1	861.6	842.1	845.0
27.5°	707.6	750.1	875.3	980.9	1006.8	973.9	921.0	865.6	814.3	793.7	796.1
30°	725.2	784.1	946.1	1040.5	1026.4	958.7	886.0	824.2	772.6	750.9	753.3
32.5°	743.2	823.7	1027.7	1083.6	1022.9	926.3	842.4	777.7	732.2	709.5	712.4
35°	763.5	872.3	1105.0	1107.1	999.6	878.7	784.9	722.0	682.5	664.3	668.3
37.5°	790.0	934.1	1173.2	1113.0	959.0	808.9	713.5	656.3	623.6	615.3	621.2
40°	822.9	1008.4	1225.3	1103.6	898.8	724.2	635.4	589.7	571.2	573.1	579.5
42.5°	865.6	1091.6	1262.0	1079.6	815.1	636.7	566.9	546.6	555.4	562.9	569.9
45°	921.3	1178.0	1284.7	1038.7	720.4	562.7	526.6	531.4	538.1	538.9	544.2
47.5°	992.4	1265.4	1299.7	976.9	623.9	510.5	500.9	501.9	500.6	495.0	499.3
50°	1081.2	1350.5	1313.0	895.1	541.8	477.9	465.0	461.3	442.8	424.7	427.1
52.5°	1182.3	1428.6	1318.7	793.4	477.9	450.6	429.7	406.2	371.7	366.1	368.0
55°	1294.6	1500.8	1304.2	668.6	424.1	415.6	384.0	355.7	351.9	347.1	347.9
57.5°	1428.8	1578.6	1274.8	529.2	369.0	374.7	343.9	347.1	340.4	332.9	331.6
60°	1575.6	1659.1	1223.2	402.2	312.1	323.6	333.5	333.2	331.3	325.2	323.0
62.5°	1707.7	1712.0	1121.6	308.1	262.1	284.0	311.0	310.7	309.1	305.7	304.3
65°	1786.4	1704.0	952.0	242.6	220.9	251.4	280.5	282.7	282.9	282.7	282.7
67.5°	1772.5	1610.1	719.4	193.1	186.9	218.2	250.3	253.2	255.4	255.9	256.5
70°	1615.2	1404.0	469.1	154.0	156.7	189.1	221.7	224.6	226.5	228.6	229.7
72.5°	1259.0	1032.2	268.5	124.6	130.2	163.9	193.3	196.8	197.9	201.9	203.5
75°	*767.2*	*607.0*	*144.9*	*98.1*	*107.0*	*140.1*	*165.3*	*169.3*	*171.1*	*176.0*	*176.5*
77.5°	364.8	262.9	82.6	76.5	86.1	114.5	139.6	144.1	139.1	141.7	139.6
80°	123.3	97.6	52.1	58.3	65.8	89.3	111.8	116.3	105.6	105.1	104.0
82.5°	43.1	39.6	33.2	38.8	42.5	63.9	84.5	90.4	78.6	78.4	74.6
85°	16.8	16.0	18.5	21.1	25.4	39.3	55.6	58.6	48.4	39.0	38.5
87.5°	3.5	3.7	4.5	4.8	7.8	13.6	20.1	24.6	19.5	16.6	15.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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

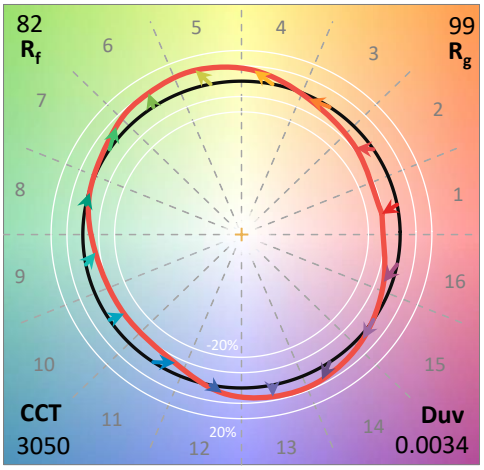
Test Information

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

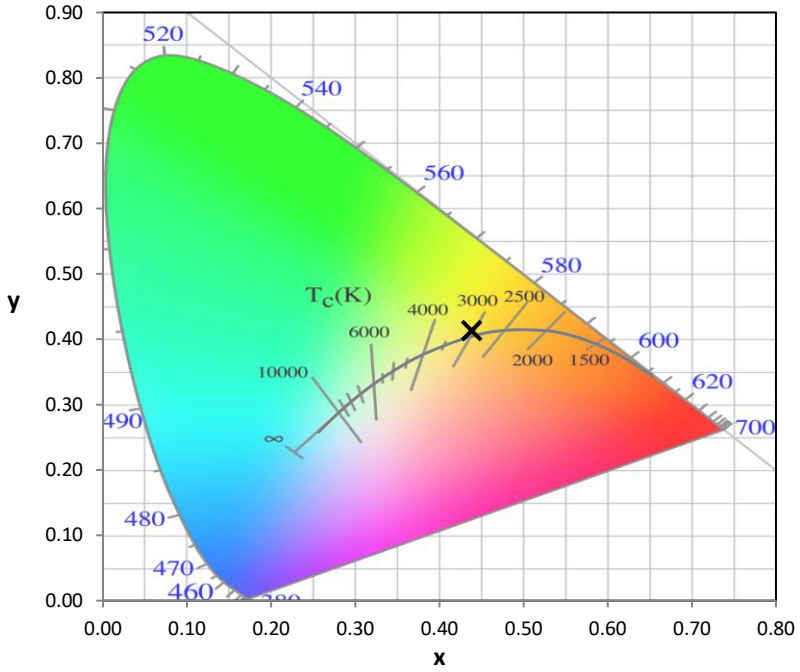
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

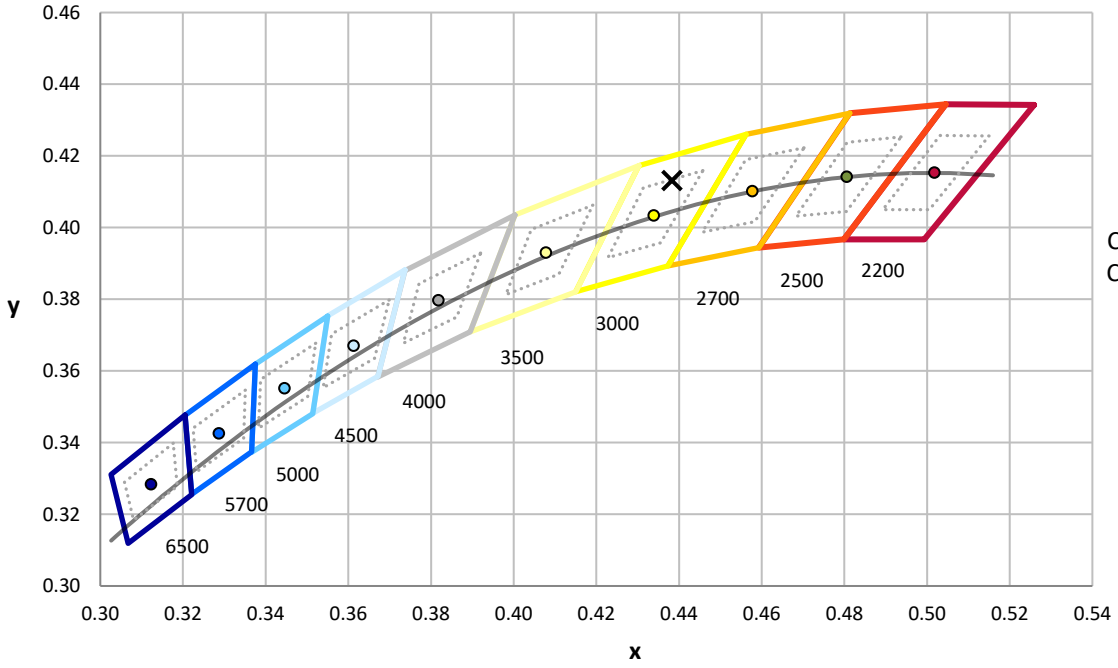
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

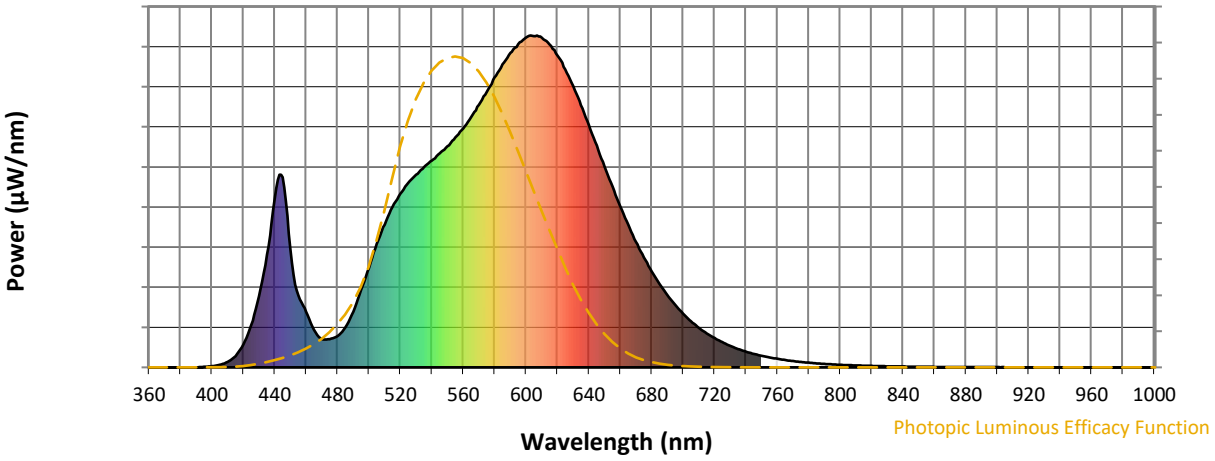


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

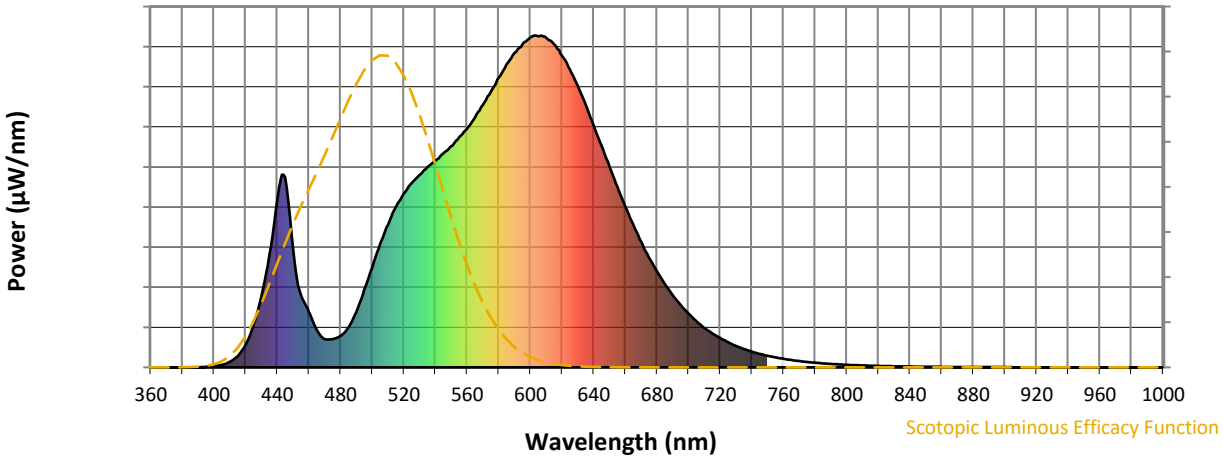


Photopic Lumens: NR

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

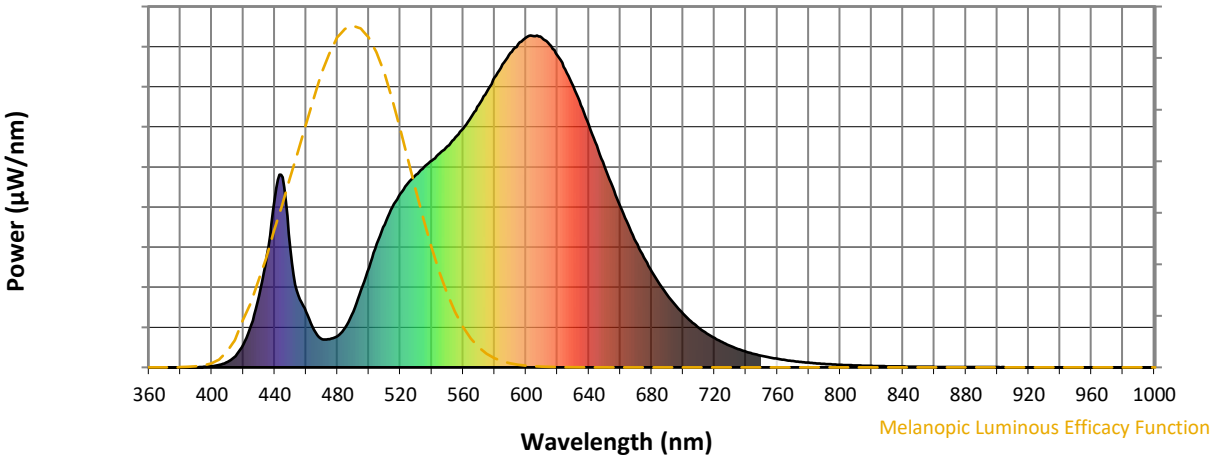


Scotopic Lumens: NR **S/P: 1.27**

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			

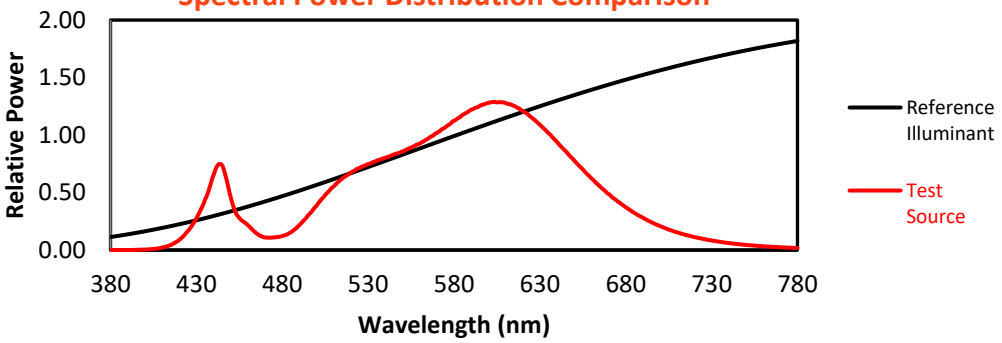
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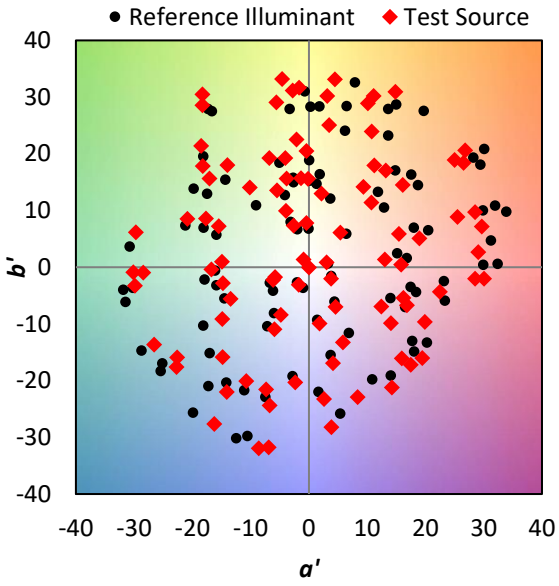
Summary

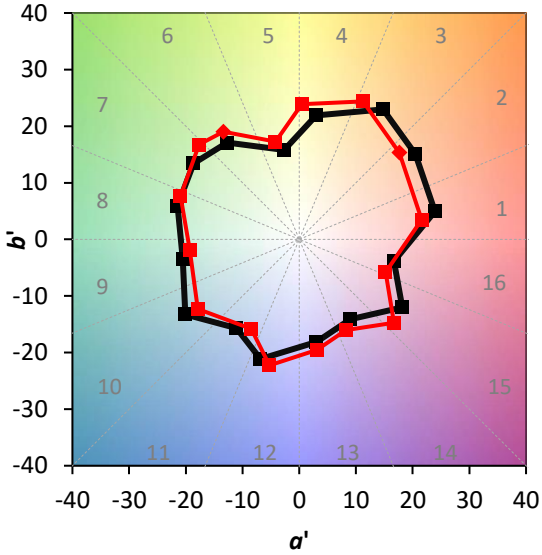
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

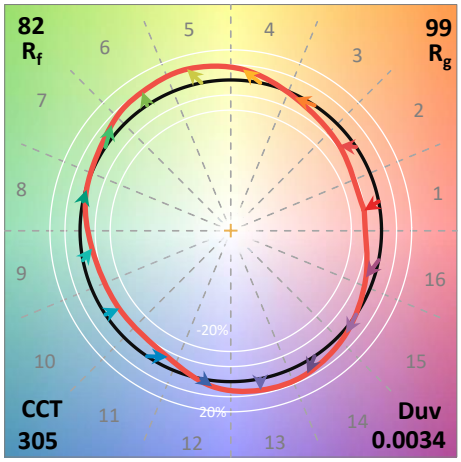
Spectral Power Distribution Comparison

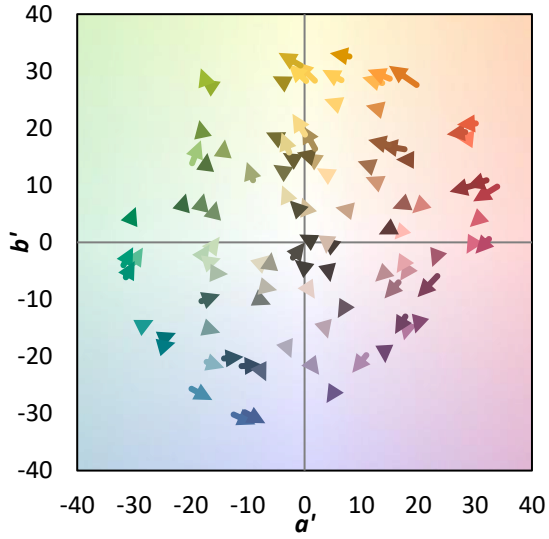


Color Vector Graphics







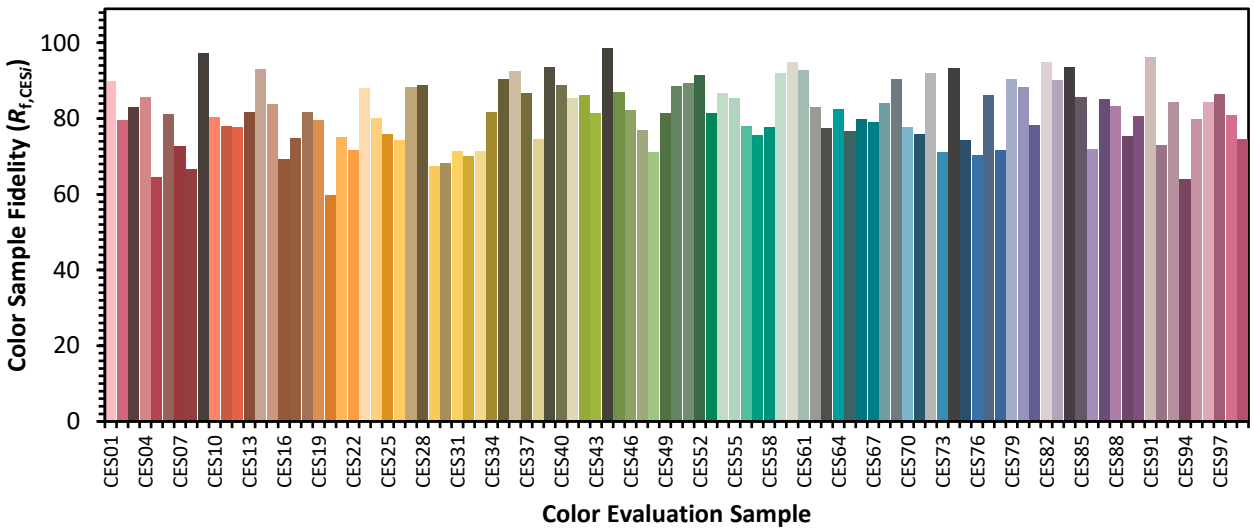


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Individual Sample Fidelity Index ($R_{f,i}$)

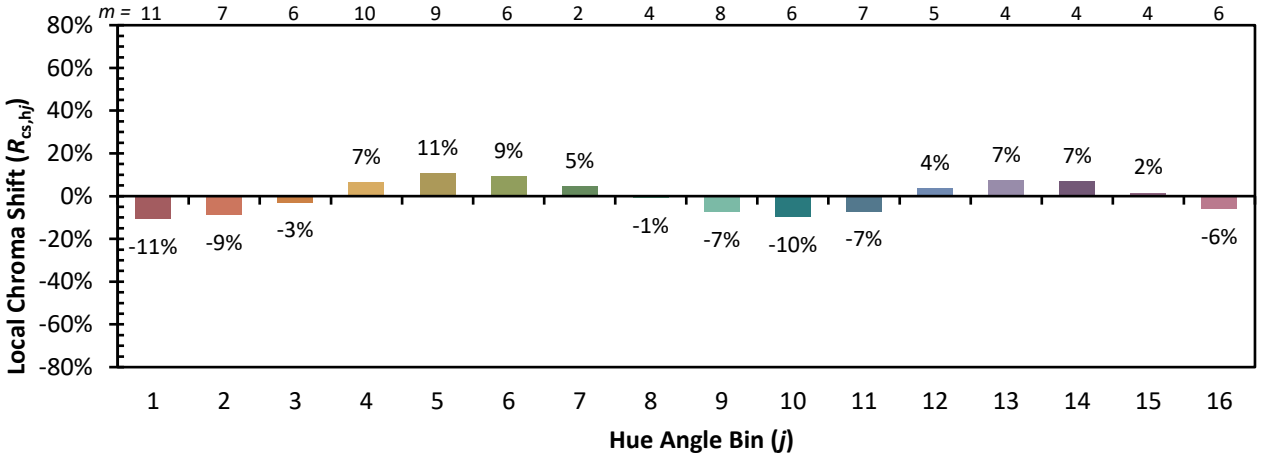
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

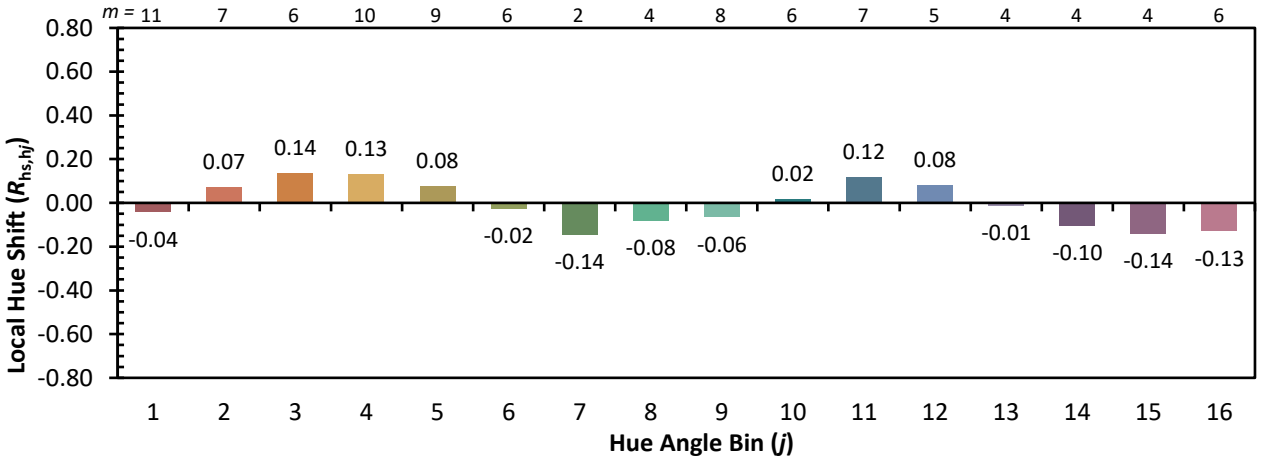


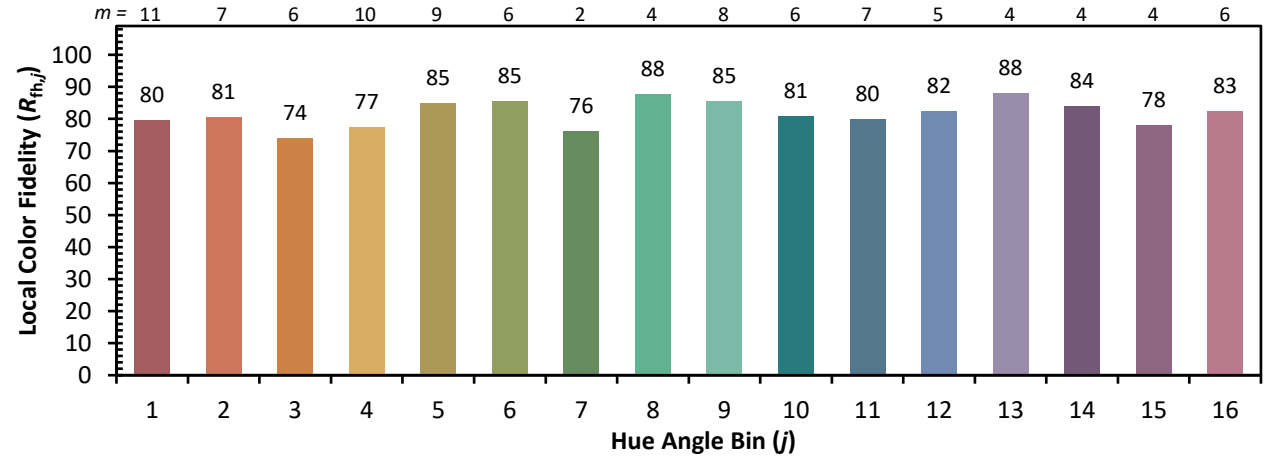
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Color Rendition by Hue-Angle Bin



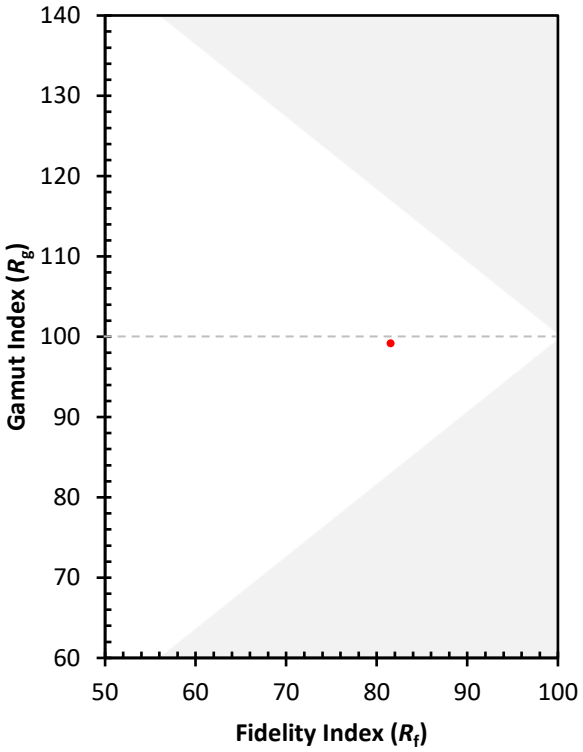


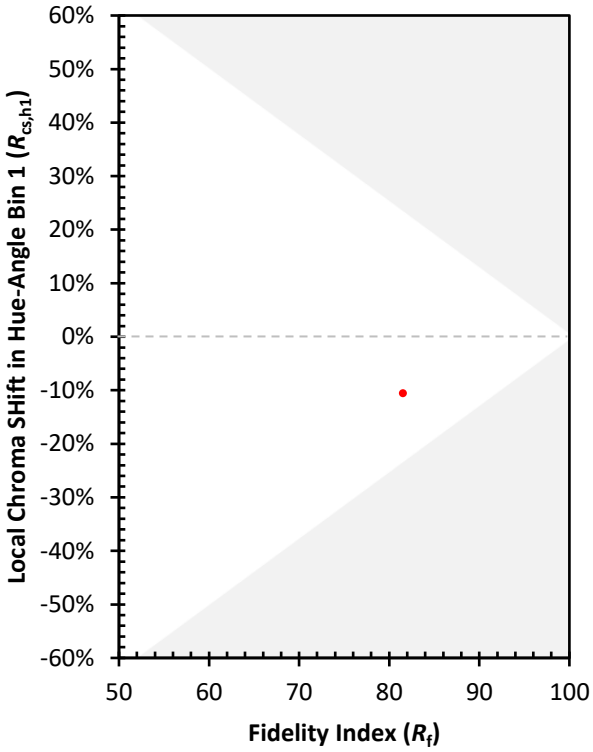


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Measure Comparisons





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