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: P1201241

Luminaire Tested: GWC-SB1A-830-U-SL3

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:	P1201241
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-SL3
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3961 lumens
Efficiency:	N/A
Efficacy:	128.2 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):	30.9
Input Voltage (V):	120.0
Input Current (Ain):	0.263
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	6.356
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

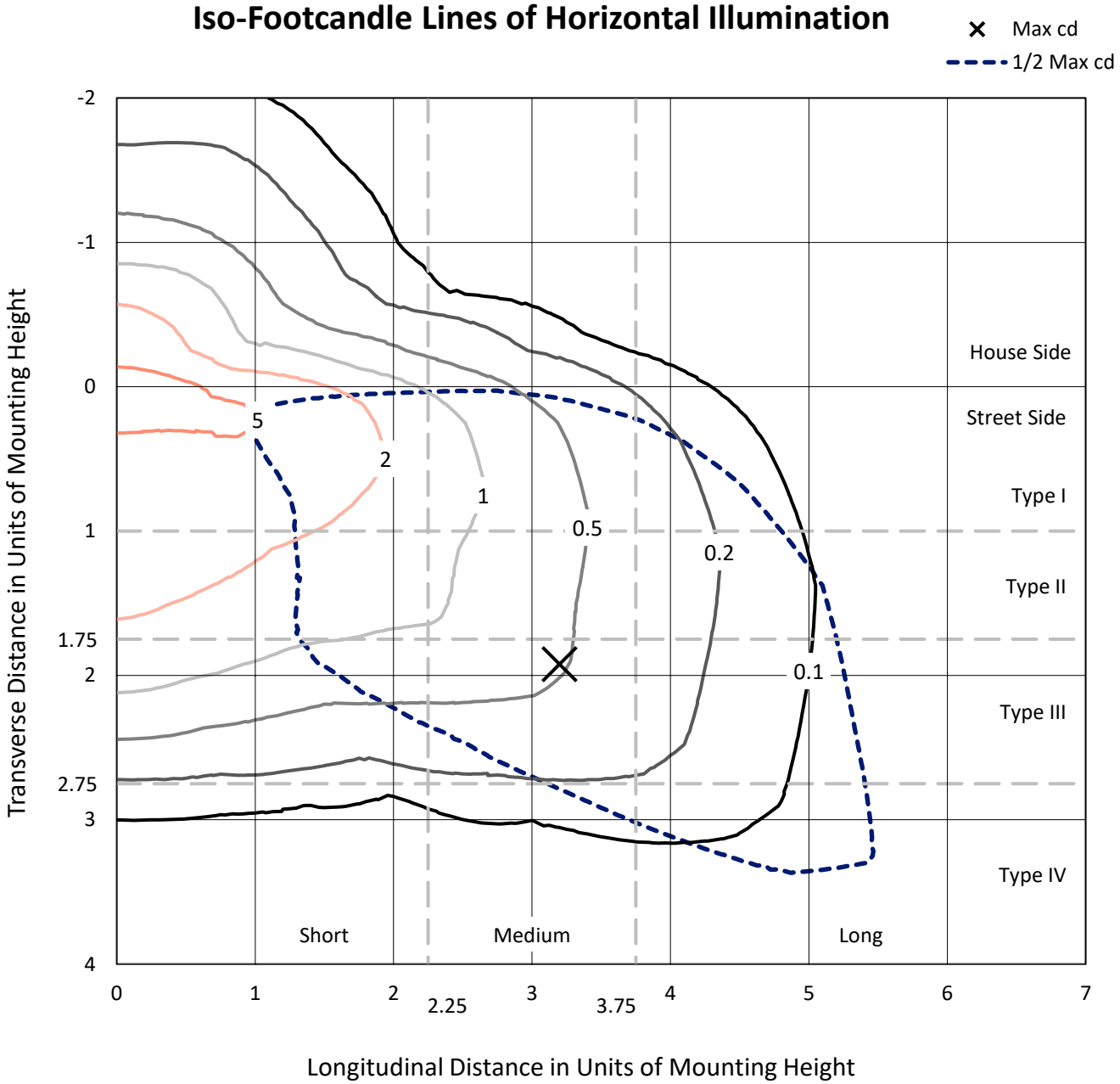


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Scaled Data Report

REPORT NUMBER: P1201241
CATALOG NUMBER: GWC-SB1A-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



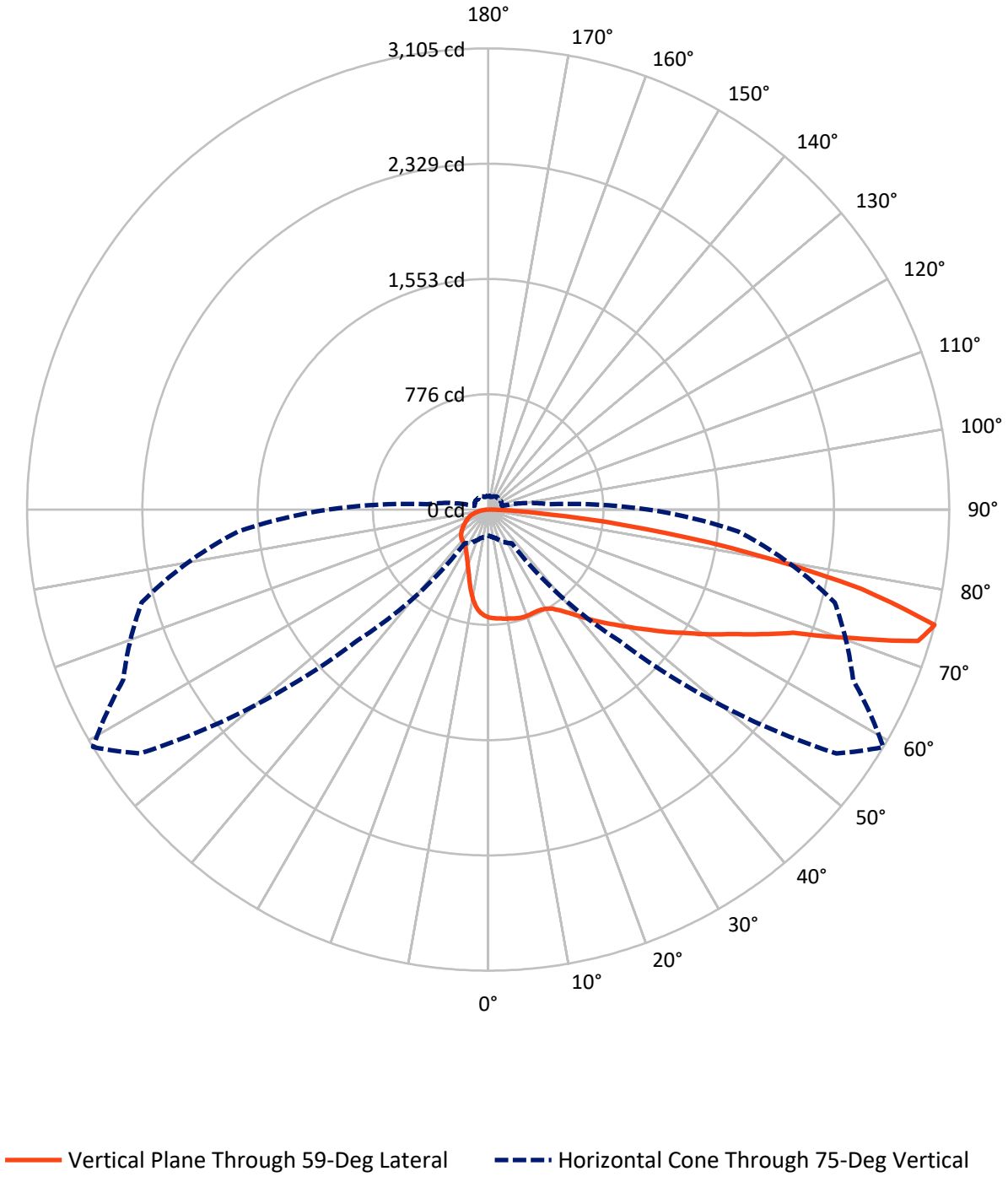
Based on 10 foot mounting height. Maximum calculated value = 6 fc
Type IV - Medium - N/A

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REPORT NUMBER: P1201241
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Luminous Intensity Polar Plot



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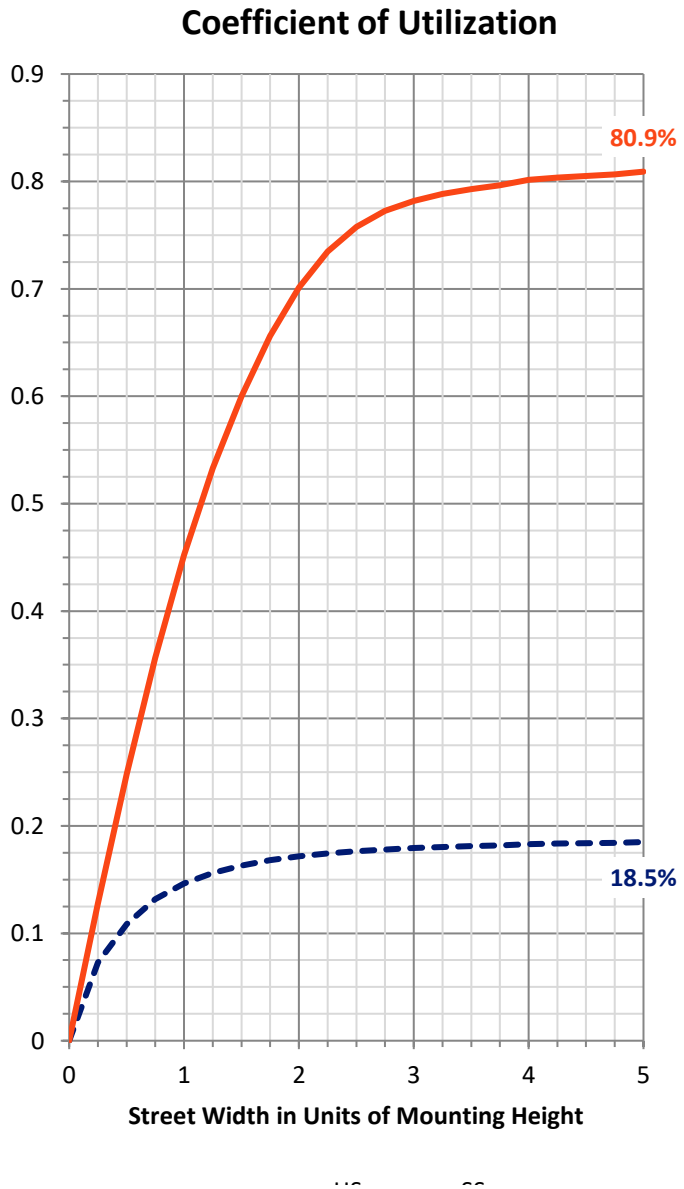
REPORT NUMBER: P1201241
CATALOG NUMBER: GWC-SB1A-830-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	742.9	0.0	742.9
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3218.1	0.0	3218.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	3961.0	0.0	3961.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	1.6
10°-20°	166.6	4.2
20°-30°	253.1	6.4
30°-40°	376.2	9.5
40°-50°	559.5	14.1
50°-60°	759.5	19.2
60°-70°	927.2	23.4
70°-80°	727.6	18.4
80°-90°	126.0	3.2
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°	3961.0	100.0
0°-180°	3961.0	100.0



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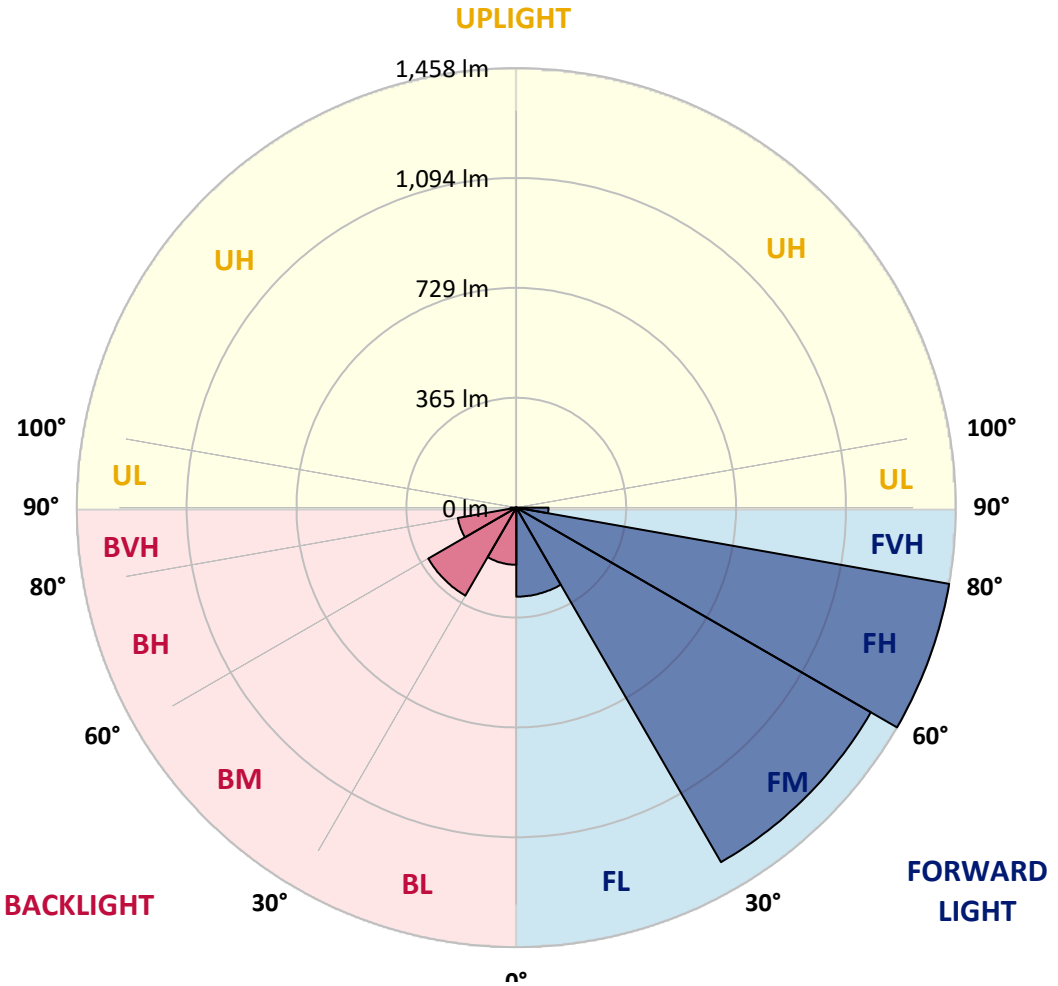
Scaled Data Report

REPORT NUMBER: P1201241
CATALOG NUMBER: GWC-SB1A-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	295.3	7.5			
FM	(30°-60°)	1358.0	34.3			
FH	(60°-80°)	1458.0	36.8			G1/1800
FVH	(80°-90°)	106.8	2.7			G2/225
BL	(0°-30°)	189.6	4.8	B1/500		
BM	(30°-60°)	337.2	8.5	B1/1000		
BH	(60°-80°)	196.8	5.0	B1/500		G1/500
BVH	(80°-90°)	19.3	0.5			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: P1201241
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	727.0	727.0	727.0	727.0	727.0	727.0	727.0	*727.0*	727.0	727.0	727.0
2.5°	733.2	730.7	733.2	732.1	731.7	730.9	731.1	*732.6*	731.7	732.8	729.2
5°	728.3	726.8	729.4	728.7	731.5	731.9	734.7	*736.4*	737.5	737.7	734.9
7.5°	720.2	718.7	722.3	725.3	731.3	733.0	738.8	*741.5*	743.0	745.6	741.5
10°	690.6	690.0	698.9	710.2	724.3	733.0	741.7	*746.4*	748.8	755.6	750.9
12.5°	638.2	639.0	650.7	672.5	700.6	728.7	745.1	*752.0*	755.6	764.1	762.0
15°	588.1	587.9	600.7	623.9	663.3	710.0	746.8	*758.6*	764.7	777.3	775.6
17.5°	559.1	558.3	567.2	584.9	621.6	681.2	742.6	*762.2*	775.4	791.2	789.7
20°	553.8	552.1	556.8	565.5	591.5	649.7	731.5	*762.2*	783.9	804.4	803.5
22.5°	573.2	570.4	568.5	567.4	578.9	623.7	718.9	*759.6*	796.5	823.3	821.9
25°	612.2	607.9	598.1	588.5	585.1	612.0	707.9	*759.0*	815.2	848.9	843.4
27.5°	675.3	669.9	650.1	627.1	606.4	617.9	703.0	*762.8*	835.9	876.0	864.9
30°	753.5	747.7	722.8	687.4	650.3	640.1	709.1	*774.1*	862.3	912.0	890.3
32.5°	823.6	817.2	795.9	759.8	709.8	678.5	728.7	*795.6*	903.9	962.1	928.4
35°	885.8	878.3	859.1	825.9	782.6	732.4	764.1	*833.8*	962.9	1043.5	980.2
37.5°	946.7	938.0	917.1	881.9	851.7	804.2	812.9	*882.8*	1041.3	1142.3	1048.8
40°	1014.9	1002.3	977.0	942.2	912.8	888.3	877.0	*942.9*	1121.0	1252.7	1134.4
42.5°	1081.0	1069.0	1038.8	1009.2	972.3	965.3	951.4	*1013.2*	1208.2	1373.9	1221.4
45°	1152.1	1137.9	1101.2	1063.7	1040.5	1016.4	1023.4	*1083.5*	1293.6	1497.5	1312.6
47.5°	1218.8	1202.8	1159.6	1117.8	1105.0	1059.4	1089.5	*1160.9*	1382.5	1622.8	1402.9
50°	1254.8	1239.1	1203.1	1165.3	1155.3	1112.5	1161.1	*1245.9*	1475.6	1747.7	1489.6
52.5°	1284.9	1267.8	1220.7	1199.9	1196.9	1170.2	1249.3	*1343.1*	1568.7	1858.1	1573.4
55°	1316.8	1297.9	1237.8	1219.0	1232.7	1235.0	1353.9	*1453.2*	1667.1	1965.7	1652.4
57.5°	1353.7	1329.6	1254.2	1235.2	1267.6	1310.9	1474.1	*1567.4*	1763.9	2065.4	1722.8
60°	1388.4	1364.1	1285.7	1261.0	1305.3	1398.9	1612.0	*1705.7*	1873.4	2154.2	1789.2
62.5°	1395.3	1375.2	1310.9	1310.7	1356.5	1501.6	1775.2	*1845.3*	1969.1	2242.0	1848.9
65°	1277.2	1264.6	1226.5	1308.7	1429.8	1649.5	1956.9	*2023.8*	2090.8	2318.7	1901.3
67.5°	972.1	973.8	971.0	1129.8	1370.5	1861.9	2220.1	*2215.0*	2241.0	2404.8	1961.6
70°	444.5	454.5	519.7	779.9	1098.0	1886.4	2655.2	*2588.9*	2429.6	2516.3	2013.8
72.5°	240.1	247.8	274.4	377.8	660.1	1677.2	2980.4	*3027.5*	2680.3	2591.3	1956.5
75°	*176.2*	*180.5*	*199.0*	*240.1*	*277.2*	*1246.5*	*2863.8*	*3105.4*	*2711.7*	*2416.3*	*1689.5*
77.5°	131.9	133.8	148.9	190.3	141.9	657.1	2288.3	*2571.9*	2321.3	1985.3	1248.0
80°	95.7	97.8	109.1	142.8	99.5	240.4	1571.3	*1805.2*	1589.8	1265.5	622.0
82.5°	66.1	66.9	71.8	97.2	69.5	93.3	891.5	*1058.6*	887.5	444.1	167.9
85°	39.8	40.9	43.0	56.7	39.4	44.3	384.8	*398.0*	265.3	106.1	52.2
87.5°	16.4	17.5	19.2	23.9	15.6	12.4	63.5	*79.7*	49.6	31.1	16.2
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: P1201241
CATALOG NUMBER: GWC-SB1A-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	727.0	727.0	727.0	727.0	727.0	727.0	727.0	727.0	727.0	727.0	727.0
2.5°	728.1	726.6	722.6	717.0	711.9	705.5	702.7	700.4	698.3	694.2	692.3
5°	732.6	728.5	717.7	703.6	687.6	670.1	653.1	641.4	631.4	623.9	617.7
7.5°	739.4	731.7	711.9	683.1	646.5	609.0	575.1	551.0	532.9	526.3	514.8
10°	746.4	737.3	702.7	652.0	588.7	531.0	486.0	461.3	446.8	442.1	434.9
12.5°	754.7	741.3	688.5	608.8	524.2	460.9	421.7	407.2	399.7	397.2	397.8
15°	766.9	744.7	666.9	554.7	462.6	409.8	384.4	374.4	370.5	370.3	371.2
17.5°	776.0	745.4	633.5	496.7	415.3	378.9	358.0	354.1	356.7	360.5	362.0
20°	786.3	739.6	589.6	443.8	382.1	351.8	343.1	345.6	351.8	357.3	359.3
22.5°	793.5	729.2	536.5	402.7	353.3	336.2	335.8	341.1	344.6	347.3	348.8
25°	799.9	711.5	480.3	368.2	329.6	326.9	331.6	329.8	327.5	329.8	331.3
27.5°	804.6	683.6	430.0	337.9	313.0	320.5	317.7	313.9	313.7	314.9	317.1
30°	803.1	646.3	388.7	309.2	301.3	308.5	301.9	301.3	300.7	301.3	303.6
32.5°	803.1	603.9	356.9	289.4	293.8	291.1	290.4	288.9	286.4	286.2	288.9
35°	807.6	561.5	329.6	278.7	287.7	281.1	281.5	277.9	272.5	270.0	272.5
37.5°	816.7	527.4	302.6	273.6	276.8	276.6	274.9	268.7	259.3	251.2	254.0
40°	838.9	517.4	284.0	271.3	271.7	274.2	269.8	257.8	236.5	223.3	225.0
42.5°	873.6	534.2	280.0	265.5	268.3	270.8	262.1	234.4	219.3	211.4	211.4
45°	917.7	563.6	288.7	257.2	260.2	264.6	238.7	225.4	218.6	218.8	219.9
47.5°	973.6	594.5	304.9	249.9	248.5	251.0	223.1	215.0	205.6	208.0	213.9
50°	1038.1	625.8	320.3	240.1	235.5	227.1	213.1	205.4	193.5	187.9	189.4
52.5°	1108.0	656.1	326.4	228.2	221.4	211.8	206.3	196.9	182.4	173.2	173.0
55°	1174.3	683.6	319.6	213.9	207.3	199.9	199.0	193.3	177.7	164.9	164.9
57.5°	1236.9	706.6	302.6	199.4	193.1	188.6	194.3	191.6	172.0	155.5	154.7
60°	1290.0	722.3	277.9	184.7	180.3	177.9	186.7	185.8	163.9	145.5	144.9
62.5°	1332.2	728.5	250.6	170.7	169.6	165.4	176.0	176.0	153.6	135.7	135.1
65°	1365.2	722.6	222.9	156.8	159.0	152.6	163.0	161.7	142.8	127.0	126.1
67.5°	1394.4	703.0	192.2	143.2	148.1	140.0	149.4	146.4	130.8	118.3	117.4
70°	1407.4	657.4	157.3	129.6	135.5	127.6	135.7	130.2	117.4	108.9	107.2
72.5°	1303.0	546.3	123.8	115.3	120.4	114.0	121.0	114.6	102.9	99.1	95.9
75°	*1078.0*	*410.0*	*95.2*	*99.7*	*103.6*	*98.7*	*103.3*	*98.7*	*88.0*	*90.8*	*82.9*
77.5°	782.9	276.8	72.9	83.3	85.0	82.5	86.5	81.2	71.6	71.0	67.8
80°	389.3	162.2	57.1	65.8	65.2	63.5	68.2	65.6	57.5	60.9	60.3
82.5°	112.7	69.5	41.6	46.2	45.0	45.4	48.8	50.1	75.0	74.4	76.1
85°	35.4	27.3	24.9	25.8	24.5	25.1	28.8	57.1	52.8	30.9	33.5
87.5°	9.2	9.4	6.2	6.6	6.8	8.1	9.2	34.7	16.6	10.9	11.5
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

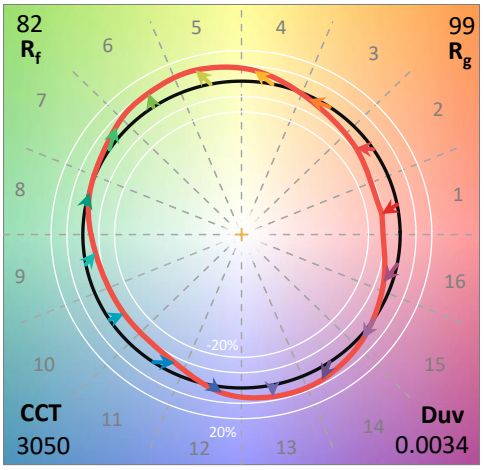
Test Information

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

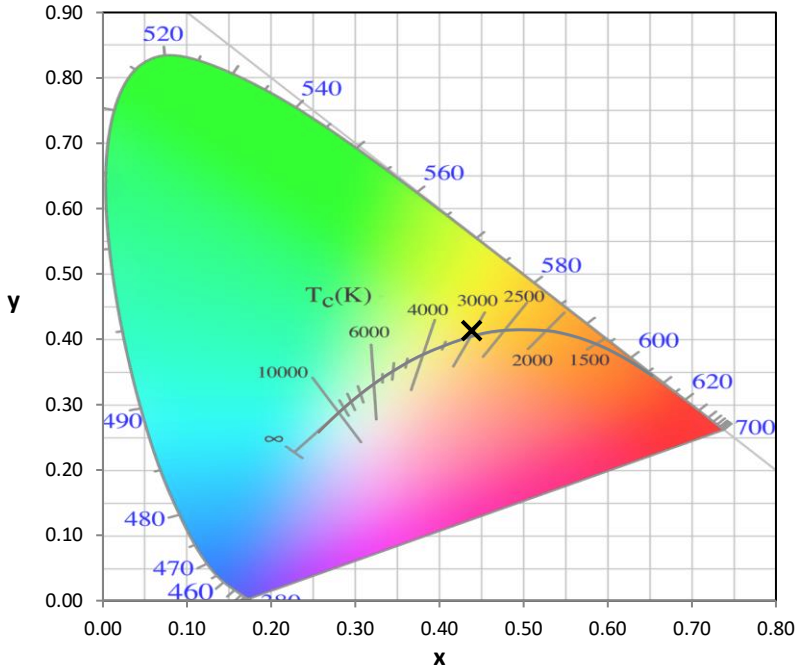
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

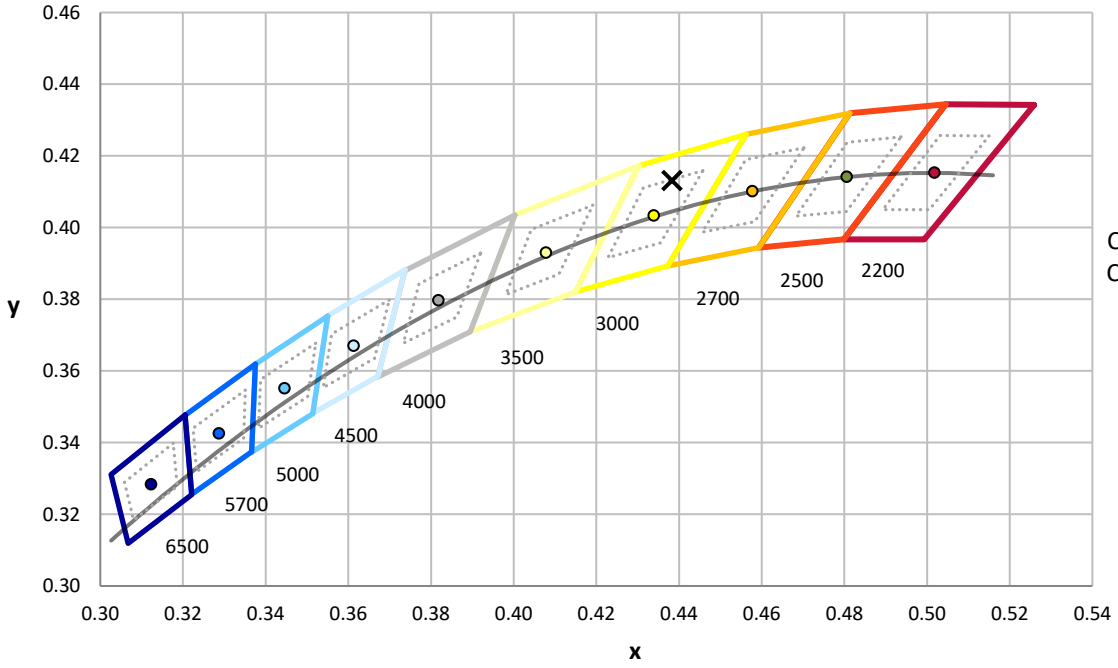
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

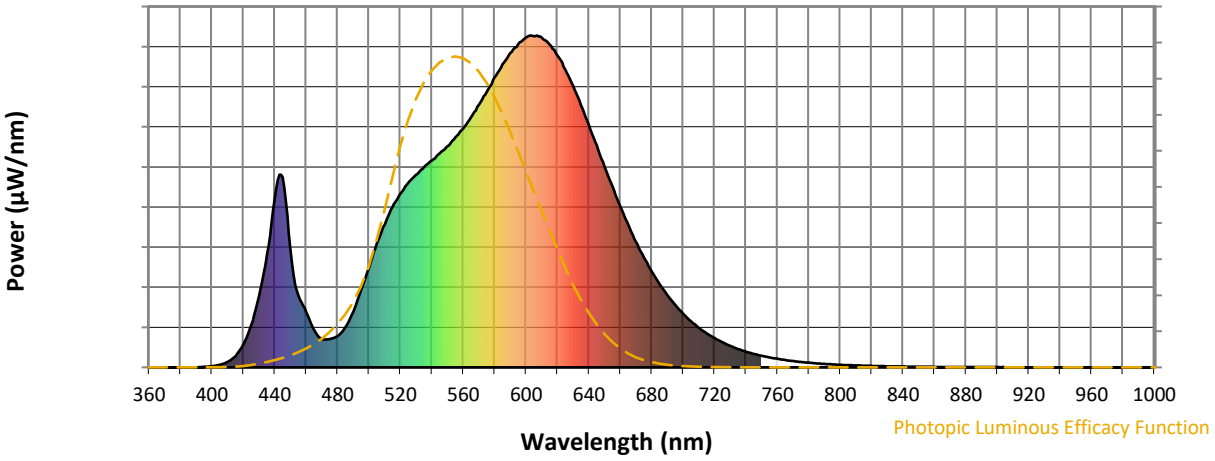


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

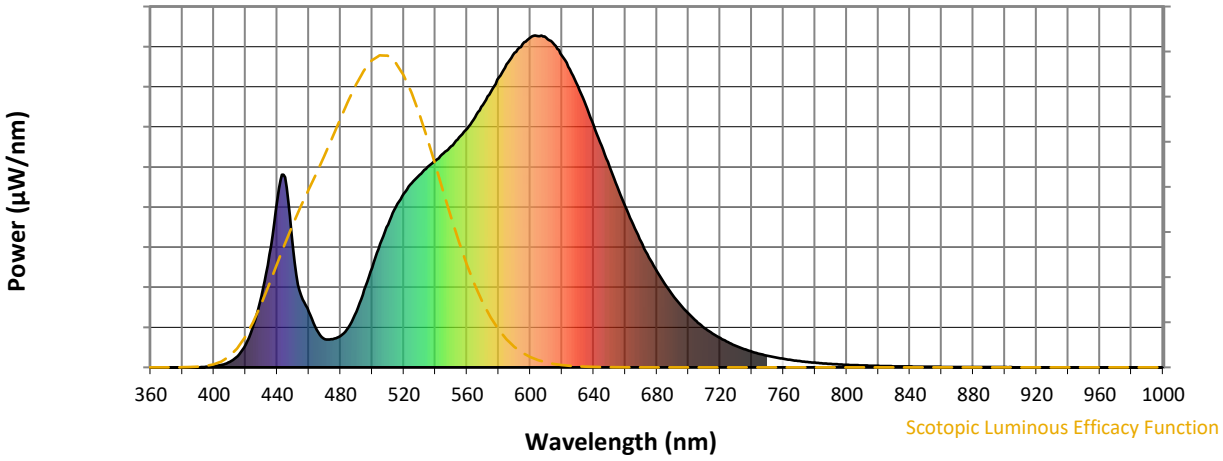


Photopic Lumens: NR

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

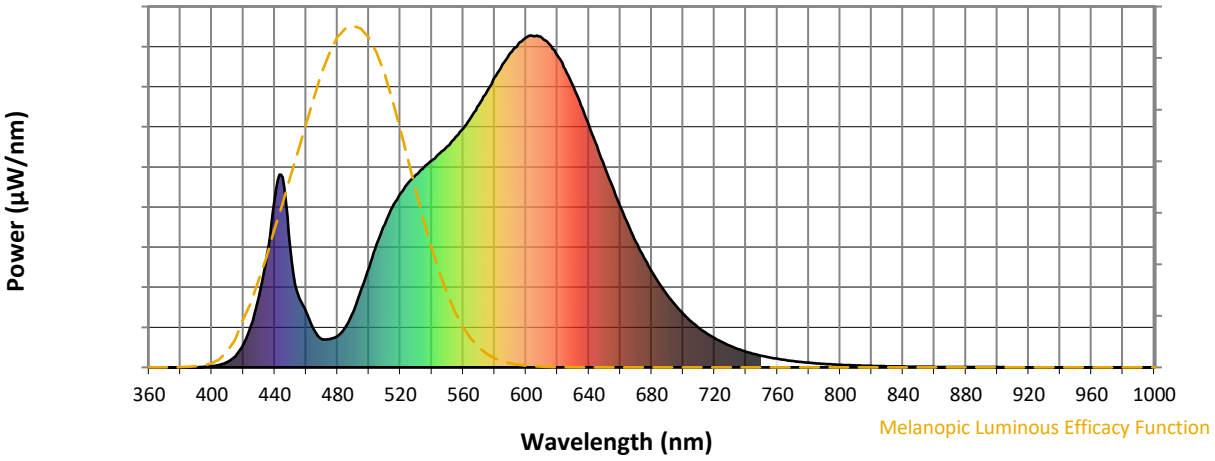


Scotopic Lumens: NR **S/P: 1.27**

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			

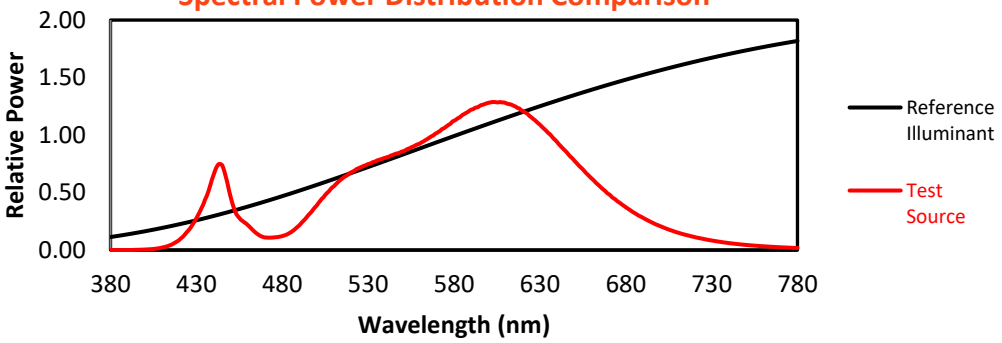
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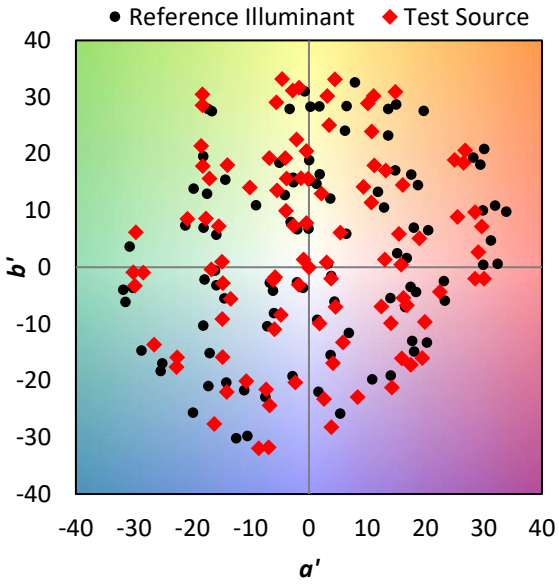
Summary

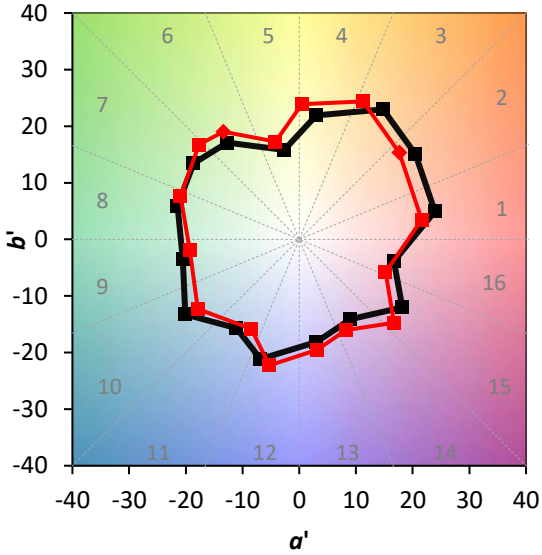
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

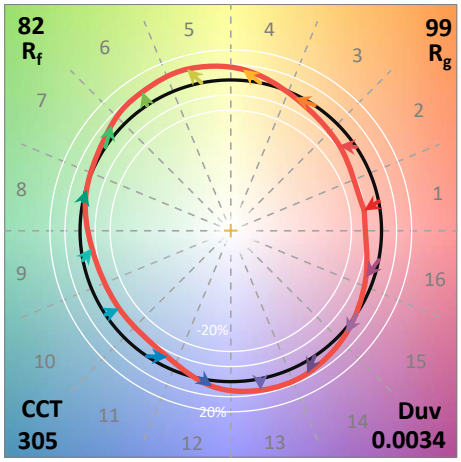
Spectral Power Distribution Comparison

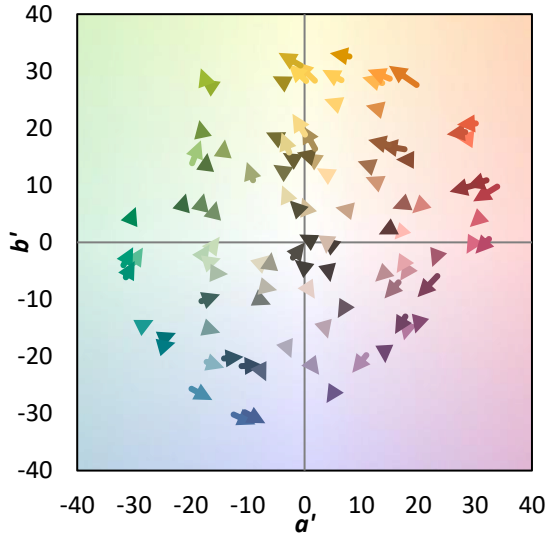


Color Vector Graphics







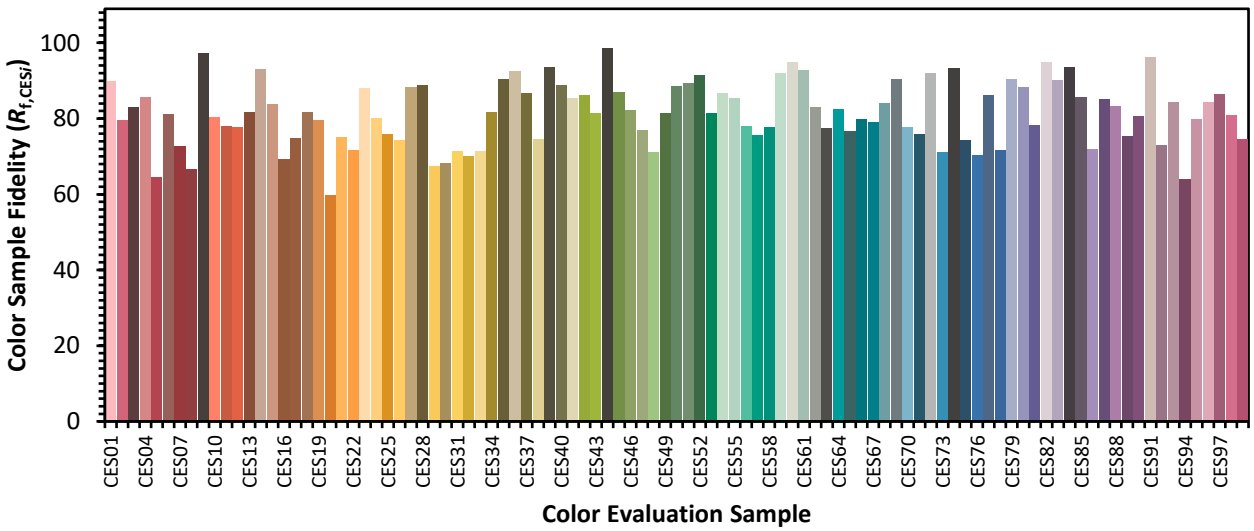


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Individual Sample Fidelity Index ($R_{f,i}$)

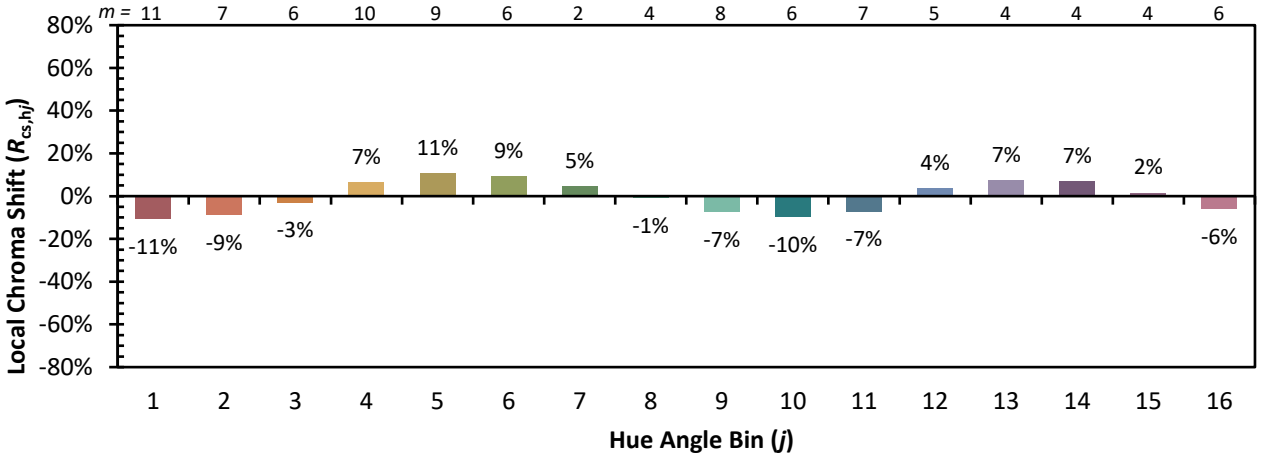
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

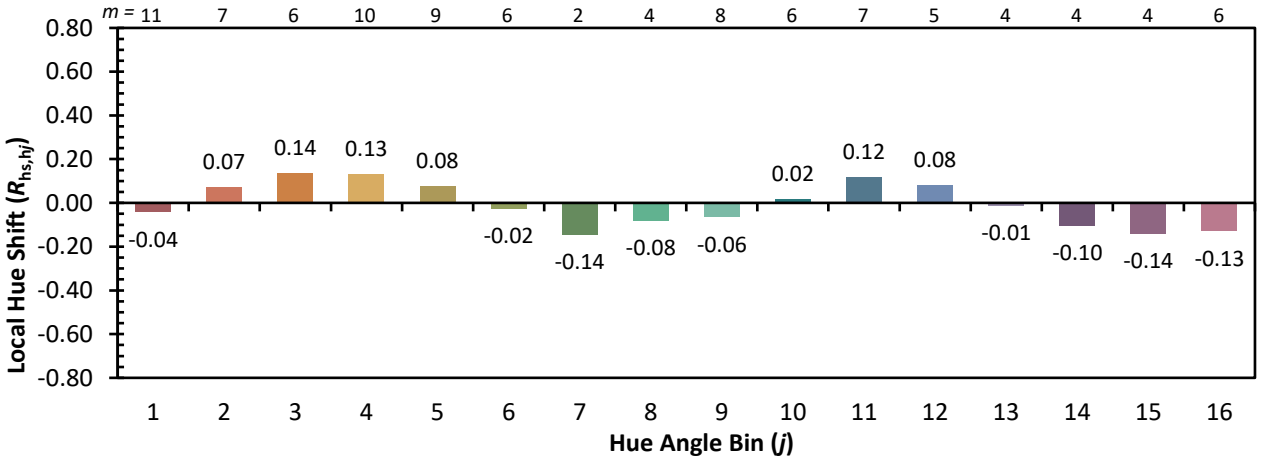


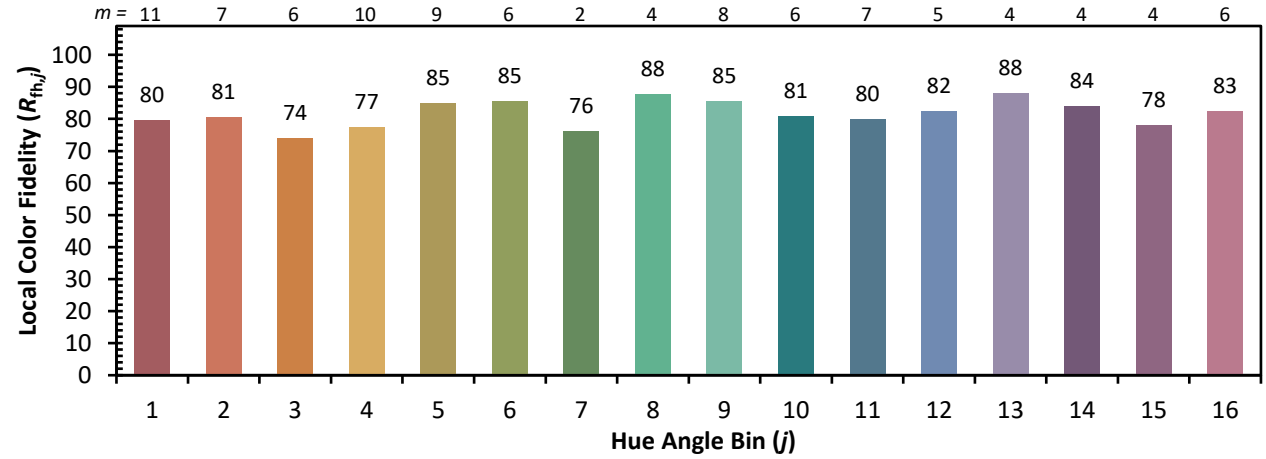
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Color Rendition by Hue-Angle Bin



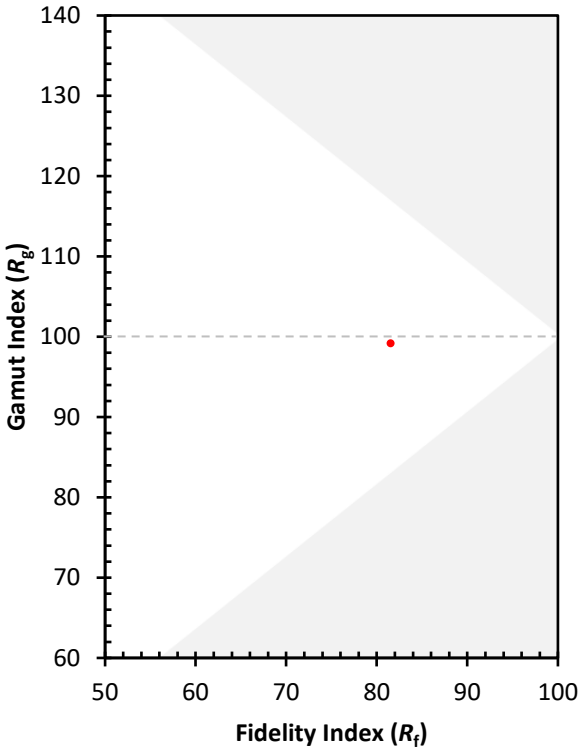


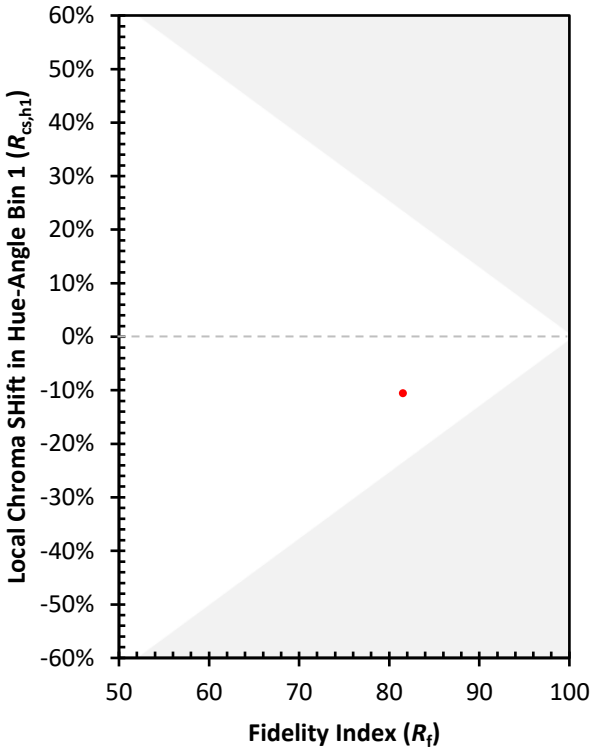


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Measure Comparisons





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