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: P1201615

Luminaire Tested: GWC-SB1B-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:	P1201615
	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-SB1B-830-U-SL3
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 450mA 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:	4972 lumens
Efficiency:	N/A
Efficacy:	124.9 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

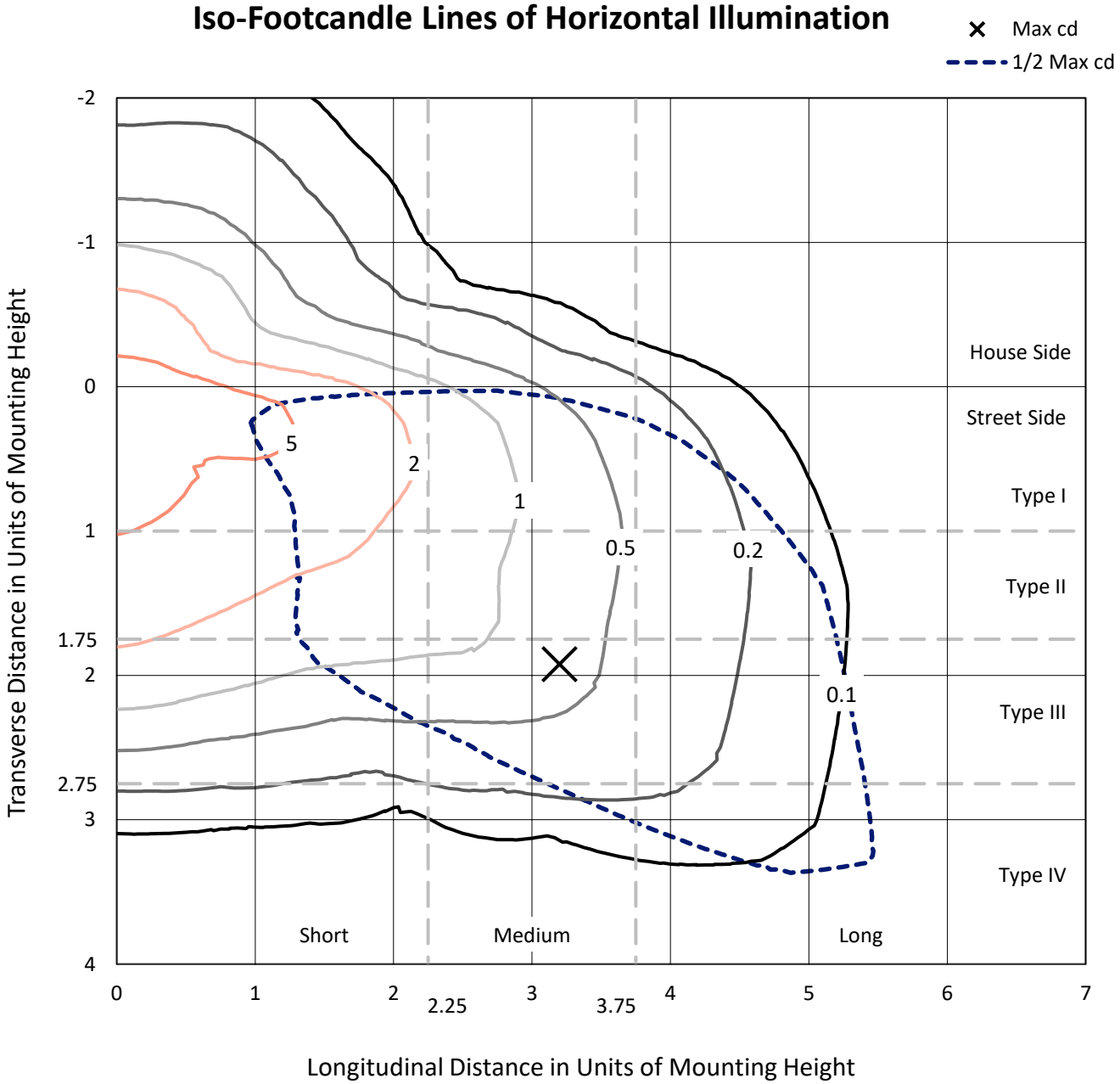


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Scaled Data Report

REPORT NUMBER: P1201615
CATALOG NUMBER: GWC-SB1B-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



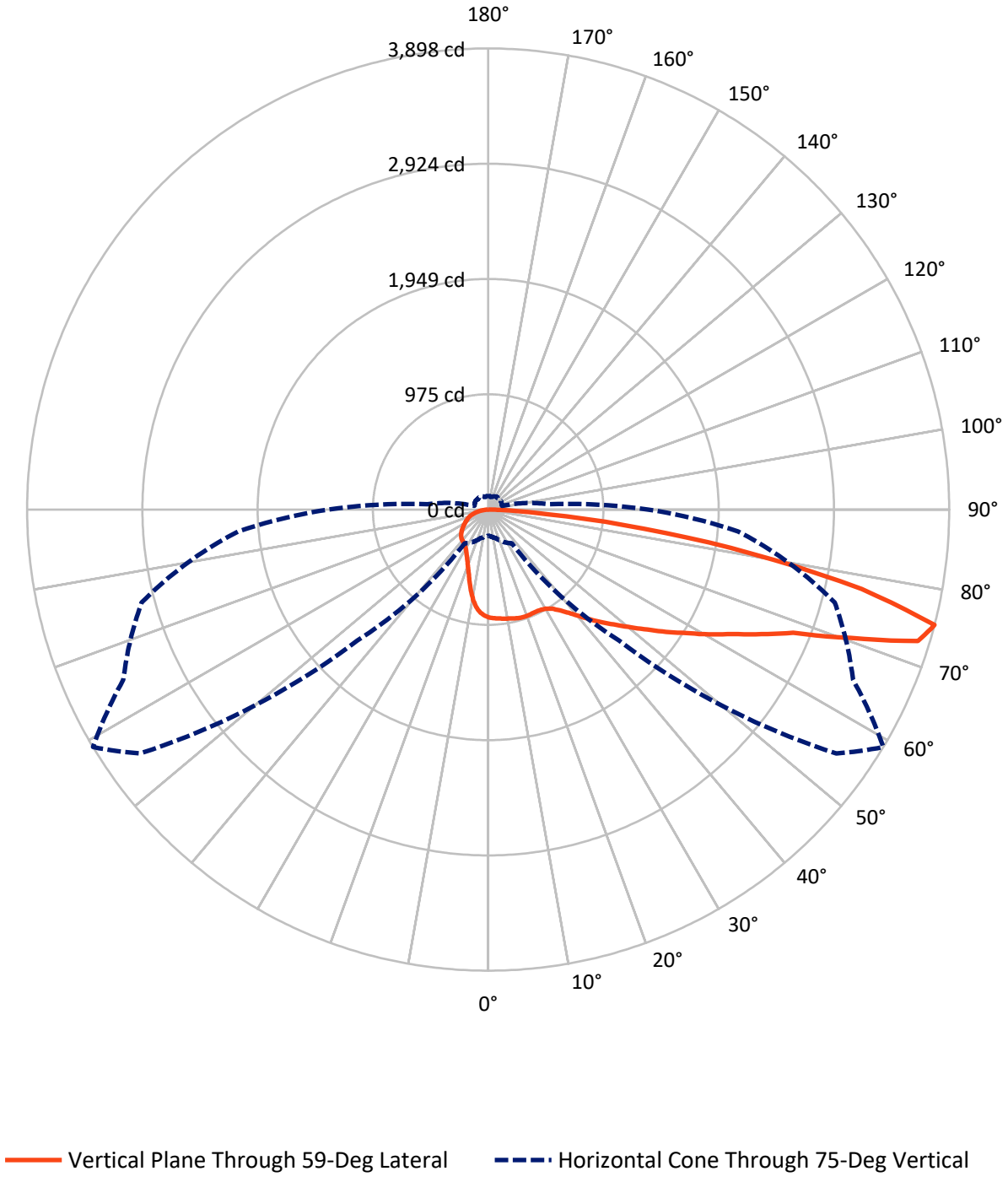
Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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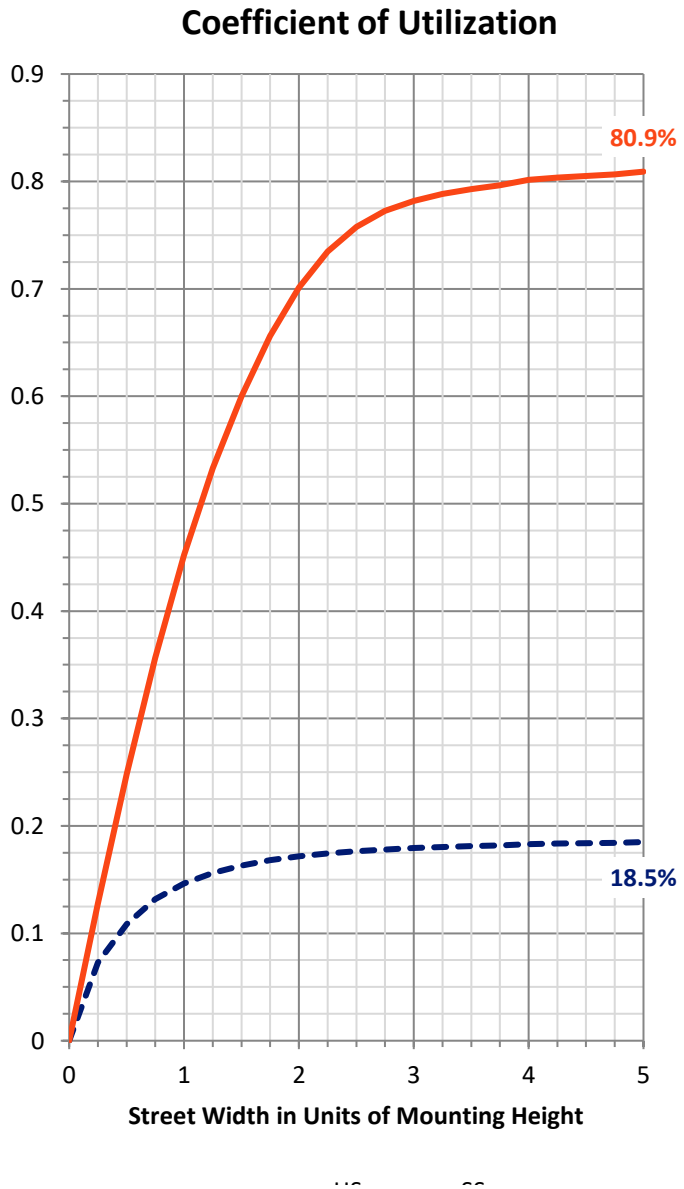
REPORT NUMBER: P1201615
CATALOG NUMBER: GWC-SB1B-830-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	932.5	0.0	932.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4039.5	0.0	4039.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	4972.0	0.0	4972.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	1.6
10°-20°	209.2	4.2
20°-30°	317.7	6.4
30°-40°	472.2	9.5
40°-50°	702.3	14.1
50°-60°	953.3	19.2
60°-70°	1163.8	23.4
70°-80°	913.4	18.4
80°-90°	158.2	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°	4972.0	100.0
0°-180°	4972.0	100.0



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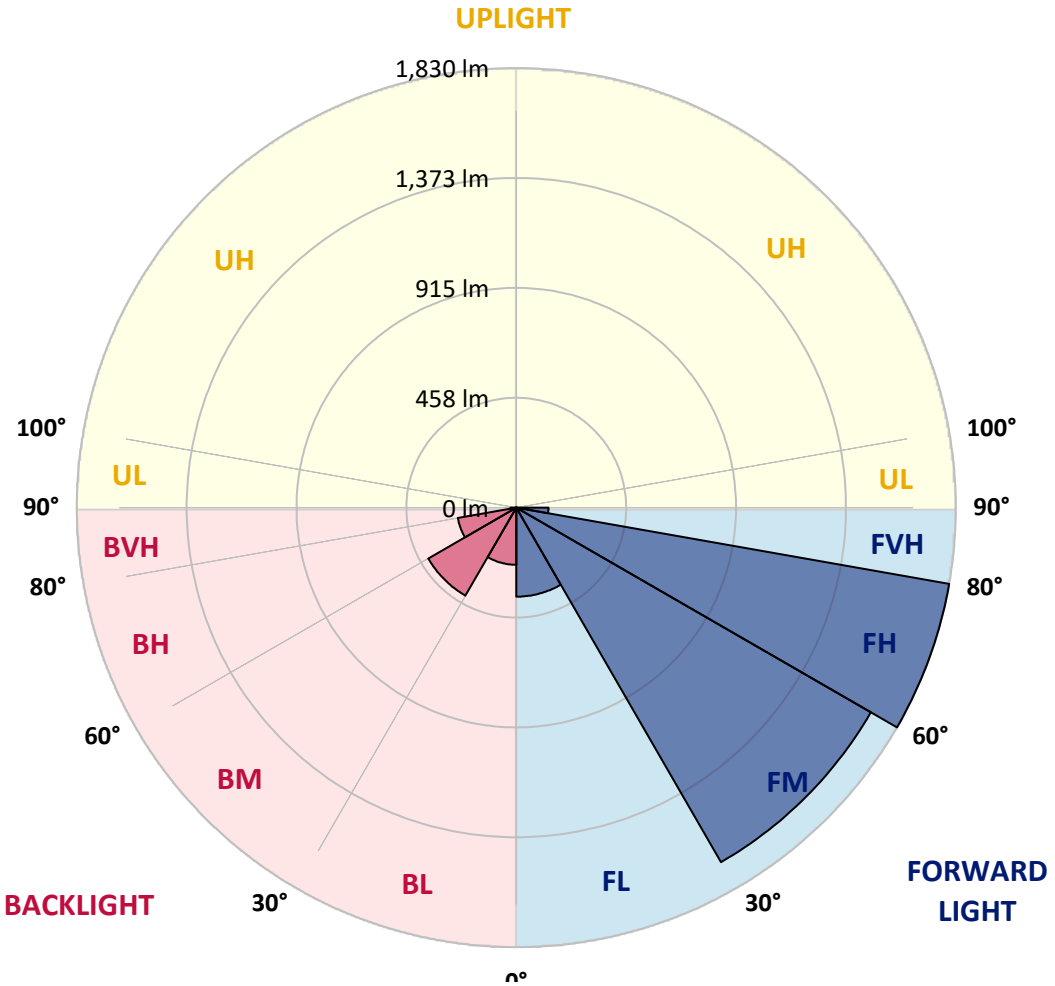
Scaled Data Report

REPORT NUMBER: P1201615
CATALOG NUMBER: GWC-SB1B-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	370.7	7.5			
FM	(30°-60°)	1704.6	34.3			
FH	(60°-80°)	1830.1	36.8			G2/5000
FVH	(80°-90°)	134.0	2.7			G2/225
BL	(0°-30°)	238.0	4.8	B1/500		
BM	(30°-60°)	423.3	8.5	B1/1000		
BH	(60°-80°)	247.1	5.0	B1/500		G1/500
BVH	(80°-90°)	24.2	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: P1201615
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	912.6	912.6	912.6	912.6	912.6	912.6	912.6	*912.6*	912.6	912.6	912.6
2.5°	920.4	917.1	920.4	919.0	918.5	917.4	917.7	*919.6*	918.5	919.8	915.3
5°	914.2	912.3	915.5	914.7	918.2	918.8	922.2	*924.4*	925.7	926.0	922.5
7.5°	904.0	902.2	906.7	910.5	917.9	920.1	927.3	*930.8*	932.7	935.9	930.8
10°	866.9	866.1	877.3	891.5	909.1	920.1	931.1	*936.9*	939.9	948.4	942.6
12.5°	801.1	802.1	816.8	844.1	879.4	914.7	935.3	*943.9*	948.4	959.1	956.5
15°	738.2	737.9	754.0	783.1	832.6	891.2	937.5	*952.2*	959.9	975.7	973.6
17.5°	701.8	700.8	712.0	734.2	780.2	855.1	932.1	*956.7*	973.3	993.1	991.2
20°	695.1	693.0	698.9	709.9	742.5	815.5	918.2	*956.7*	984.0	1009.7	1008.6
22.5°	719.5	716.0	713.6	712.3	726.7	782.9	902.4	*953.5*	999.8	1033.5	1031.6
25°	768.4	763.1	750.8	738.7	734.5	768.2	888.5	*952.7*	1023.3	1065.6	1058.6
27.5°	847.6	840.9	816.0	787.2	761.2	775.7	882.4	*957.5*	1049.3	1099.6	1085.7
30°	945.8	938.5	907.3	862.9	816.3	803.5	890.1	*971.7*	1082.4	1144.8	1117.5
32.5°	1033.8	1025.7	999.0	953.8	890.9	851.6	914.7	*998.7*	1134.6	1207.6	1165.4
35°	1111.9	1102.5	1078.4	1036.7	982.4	919.3	959.1	*1046.6*	1208.7	1309.8	1230.4
37.5°	1188.4	1177.4	1151.2	1107.0	1069.1	1009.4	1020.4	*1108.1*	1307.1	1433.9	1316.5
40°	1273.9	1258.2	1226.3	1182.7	1145.8	1115.1	1100.9	*1183.5*	1407.1	1572.4	1424.0
42.5°	1356.9	1341.9	1303.9	1266.7	1220.5	1211.6	1194.2	*1271.8*	1516.5	1724.6	1533.1
45°	1446.2	1428.3	1382.3	1335.2	1306.0	1275.8	1284.6	*1360.1*	1623.8	1879.8	1647.6
47.5°	1529.9	1509.9	1455.6	1403.1	1387.1	1329.8	1367.6	*1457.2*	1735.3	2037.0	1761.0
50°	1575.1	1555.3	1510.1	1462.8	1450.2	1396.4	1457.4	*1563.9*	1852.2	2193.8	1869.9
52.5°	1612.8	1591.4	1532.3	1506.1	1502.4	1468.9	1568.2	*1685.8*	1969.1	2332.3	1975.0
55°	1652.9	1629.1	1553.7	1530.2	1547.3	1550.2	1699.5	*1824.1*	2092.7	2467.4	2074.2
57.5°	1699.2	1669.0	1574.3	1550.5	1591.2	1645.5	1850.3	*1967.5*	2214.1	2592.6	2162.5
60°	1742.8	1712.3	1613.9	1582.9	1638.5	1755.9	2023.4	*2141.1*	2351.6	2704.1	2245.9
62.5°	1751.4	1726.2	1645.5	1645.2	1702.7	1884.8	2228.3	*2316.3*	2471.7	2814.3	2320.8
65°	1603.2	1587.4	1539.5	1642.8	1794.7	2070.5	2456.4	*2540.4*	2624.4	2910.6	2386.6
67.5°	1220.2	1222.3	1218.8	1418.1	1720.4	2337.1	2786.7	*2780.3*	2813.0	3018.6	2462.3
70°	557.9	570.5	652.4	978.9	1378.3	2367.9	3332.9	*3249.7*	3049.7	3158.5	2527.8
72.5°	301.4	311.1	344.5	474.2	828.6	2105.2	3741.1	*3800.2*	3364.5	3252.7	2455.9
75°	*221.2*	*226.5*	*249.8*	*301.4*	*348.0*	*1564.7*	*3594.8*	*3898.1*	*3403.8*	*3033.1*	*2120.8*
77.5°	165.6	168.0	187.0	238.8	178.1	824.9	2872.3	*3228.3*	2913.8	2492.0	1566.6
80°	120.1	122.8	136.9	179.2	124.9	301.7	1972.3	*2266.0*	1995.6	1588.5	780.7
82.5°	82.9	84.0	90.1	122.0	87.2	117.2	1119.1	*1328.8*	1114.0	557.4	210.8
85°	50.0	51.4	54.0	71.1	49.5	55.6	483.0	*499.6*	333.0	133.2	65.5
87.5°	20.6	21.9	24.1	30.0	19.5	15.5	79.7	*100.0*	62.3	39.1	20.3
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: P1201615
CATALOG NUMBER: GWC-SB1B-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	912.6	912.6	912.6	912.6	912.6	912.6	912.6	912.6	912.6	912.6	912.6
2.5°	913.9	912.1	907.0	900.0	893.6	885.6	882.1	879.2	876.5	871.4	869.0
5°	919.6	914.5	900.8	883.2	863.1	841.2	819.8	805.1	792.5	783.1	775.4
7.5°	928.1	918.5	893.6	857.5	811.5	764.4	721.9	691.7	668.9	660.6	646.2
10°	936.9	925.4	882.1	818.5	739.0	666.5	610.1	579.1	560.9	555.0	545.9
12.5°	947.4	930.5	864.2	764.2	658.0	578.5	529.3	511.1	501.8	498.6	499.4
15°	962.6	934.8	837.2	696.2	580.7	514.3	482.5	469.9	465.1	464.9	465.9
17.5°	974.1	935.6	795.2	623.5	521.3	475.6	449.3	444.5	447.7	452.6	454.4
20°	987.0	928.4	740.1	557.1	479.6	441.6	430.6	433.8	441.6	448.5	451.0
22.5°	996.0	915.3	673.5	505.5	443.5	422.1	421.5	428.2	432.5	436.0	437.8
25°	1004.1	893.1	602.9	462.2	413.8	410.3	416.2	414.0	411.1	414.0	415.9
27.5°	1010.0	858.0	539.7	424.2	392.9	402.3	398.8	394.0	393.7	395.3	398.0
30°	1008.1	811.2	487.9	388.1	378.2	387.3	379.0	378.2	377.4	378.2	381.1
32.5°	1008.1	758.0	448.0	363.2	368.8	365.4	364.6	362.7	359.5	359.2	362.7
35°	1013.7	704.8	413.8	349.8	361.1	352.8	353.3	348.8	342.1	338.9	342.1
37.5°	1025.2	662.0	379.8	343.4	347.4	347.2	345.0	337.3	325.5	315.3	318.8
40°	1053.0	649.4	356.5	340.5	341.0	344.2	338.6	323.6	296.9	280.3	282.4
42.5°	1096.6	670.5	351.5	333.3	336.7	340.0	329.0	294.2	275.2	265.3	265.3
45°	1152.0	707.5	362.4	322.8	326.6	332.2	299.6	283.0	274.4	274.7	276.0
47.5°	1222.1	746.2	382.7	313.7	311.9	315.1	280.0	269.9	258.1	261.0	268.5
50°	1303.1	785.6	402.0	301.4	295.6	285.1	267.5	257.8	242.9	235.9	237.8
52.5°	1390.8	823.5	409.8	286.5	277.9	265.9	258.9	247.1	229.0	217.5	217.2
55°	1474.0	858.0	401.2	268.5	260.2	250.9	249.8	242.6	223.1	207.0	207.0
57.5°	1552.6	886.9	379.8	250.3	242.3	236.7	243.9	240.5	215.8	195.3	194.2
60°	1619.2	906.7	348.8	231.9	226.3	223.3	234.3	233.2	205.7	182.7	181.9
62.5°	1672.2	914.5	314.5	214.2	212.9	207.6	220.9	220.9	192.8	170.4	169.6
65°	1713.7	907.0	279.8	196.9	199.5	191.5	204.6	203.0	179.2	159.4	158.3
67.5°	1750.3	882.4	241.3	179.7	185.9	175.7	187.5	183.8	164.2	148.4	147.4
70°	1766.6	825.1	197.4	162.6	170.1	160.2	170.4	163.4	147.4	136.7	134.5
72.5°	1635.6	685.8	155.4	144.7	151.1	143.1	151.9	143.9	129.2	124.4	120.4
75°	*1353.1*	*514.6*	*119.6*	*125.2*	*130.0*	*123.8*	*129.7*	*123.8*	*110.5*	*113.9*	*104.0*
77.5°	982.7	347.4	91.5	104.6	106.7	103.5	108.6	101.9	89.9	89.1	85.1
80°	488.7	203.5	71.7	82.6	81.8	79.7	85.6	82.4	72.2	76.5	75.7
82.5°	141.5	87.2	52.2	58.0	56.4	57.0	61.3	62.9	94.1	93.3	95.5
85°	44.4	34.2	31.3	32.4	30.8	31.6	36.1	71.7	66.3	38.8	42.0
87.5°	11.5	11.8	7.8	8.3	8.6	10.2	11.5	43.6	20.9	13.6	14.4
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

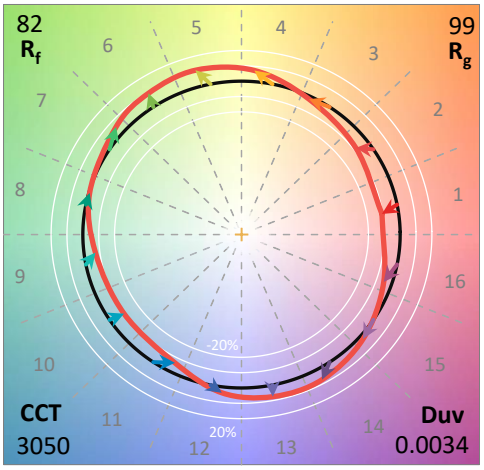
Test Information

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

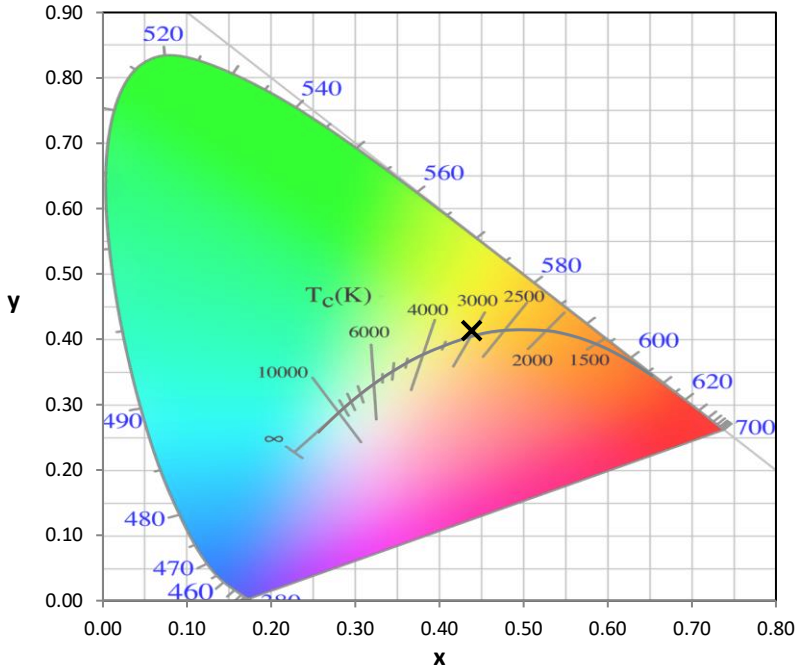
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

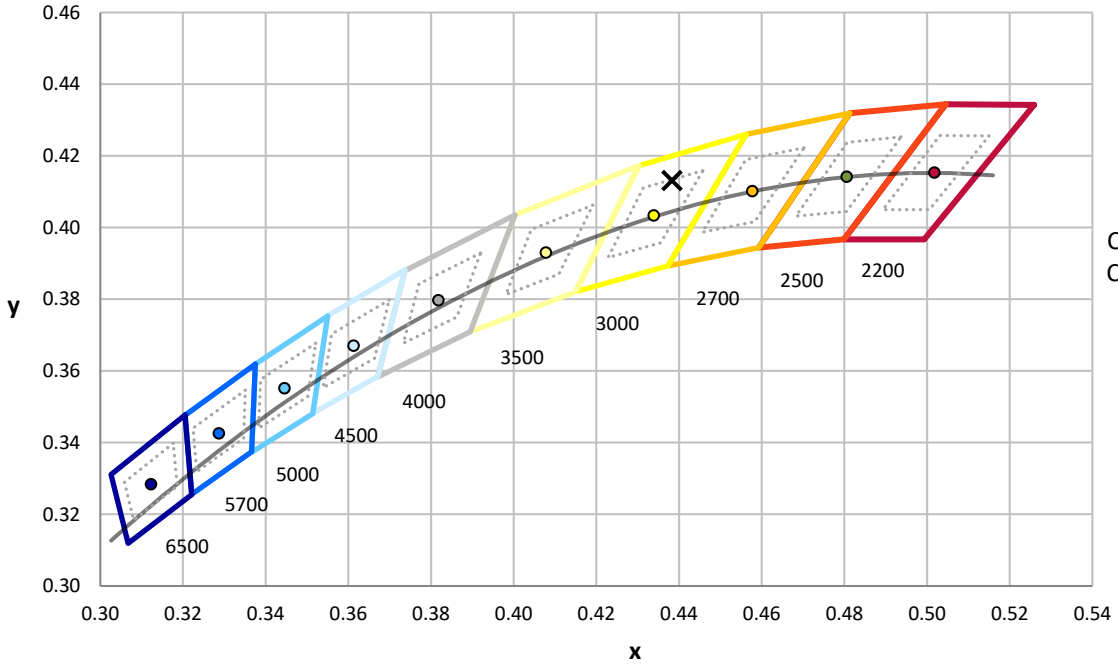
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

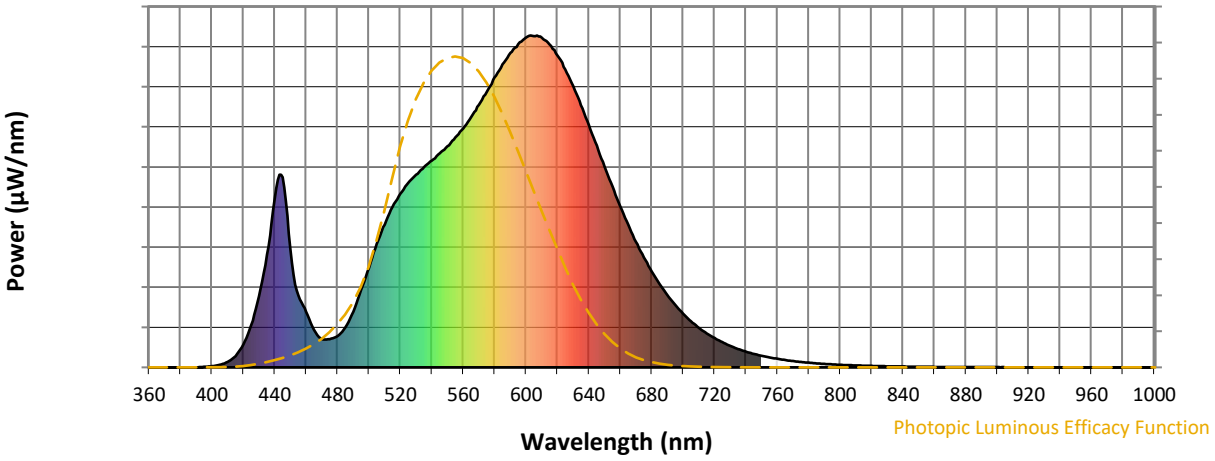


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

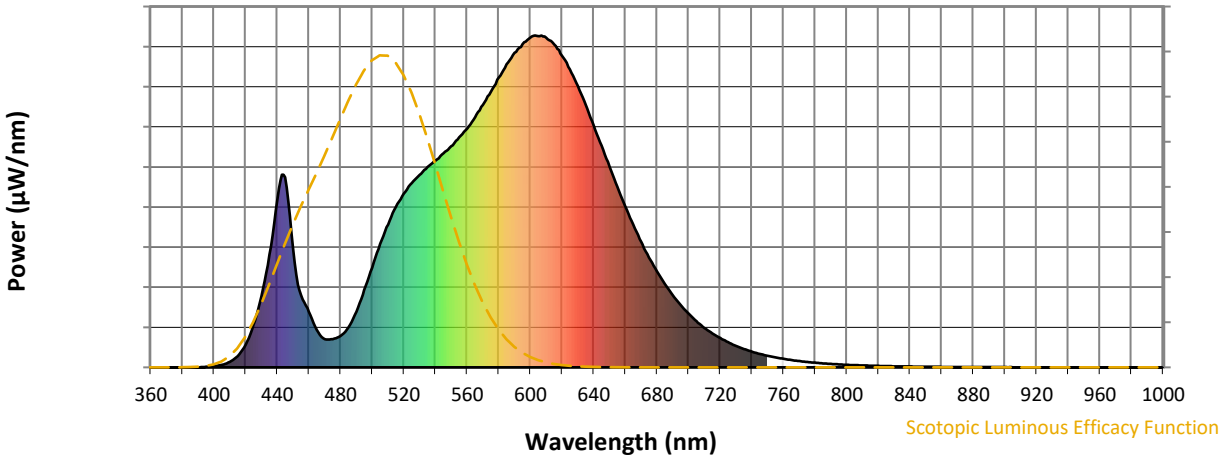


Photopic Lumens: NR

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

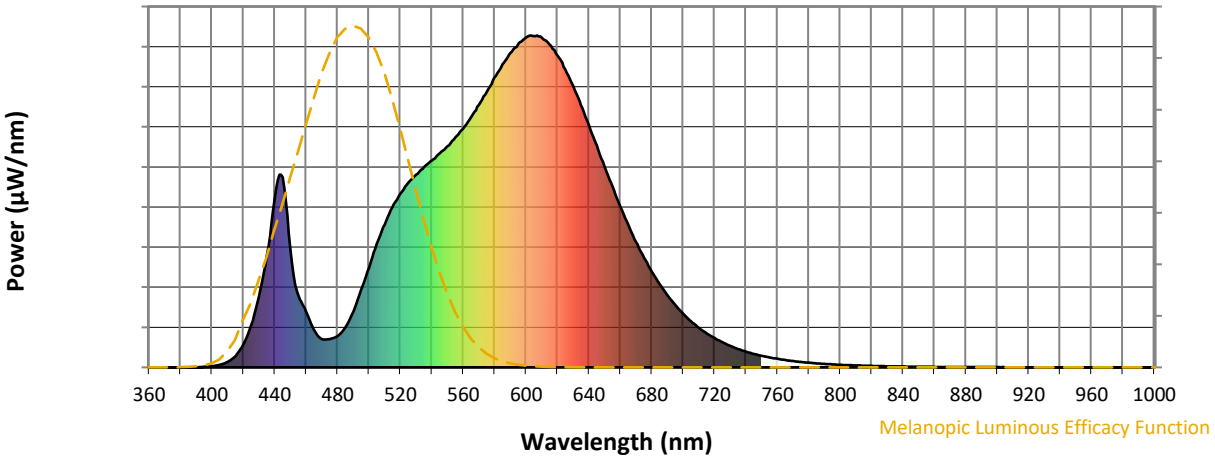


Scotopic Lumens: NR **S/P: 1.27**

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			

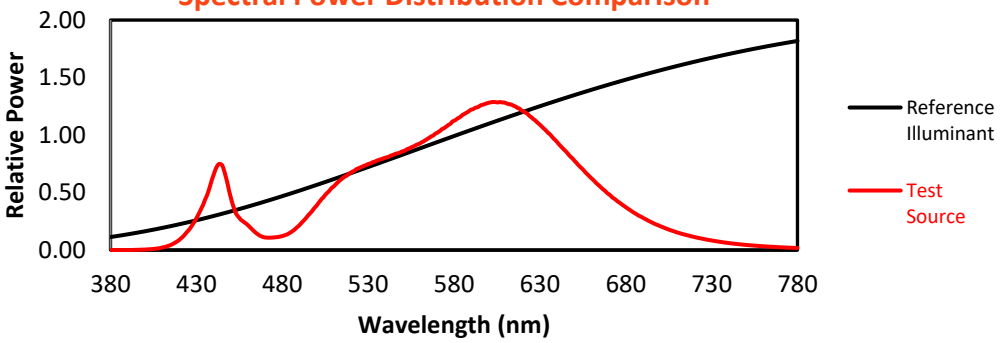
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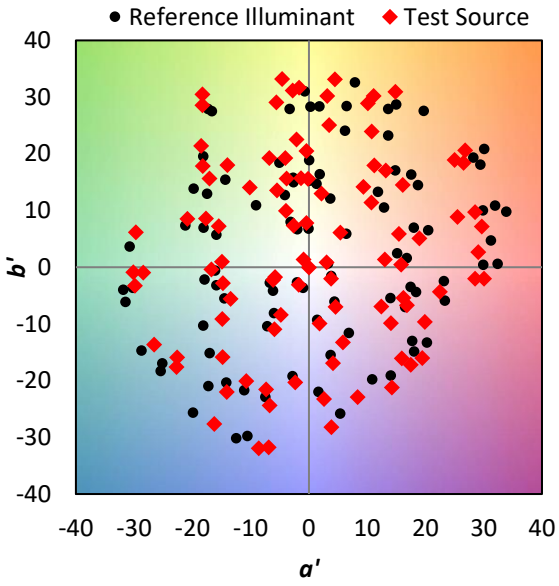
Summary

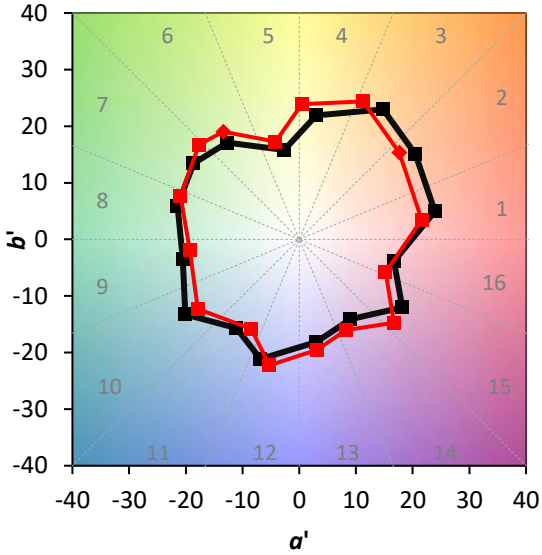
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

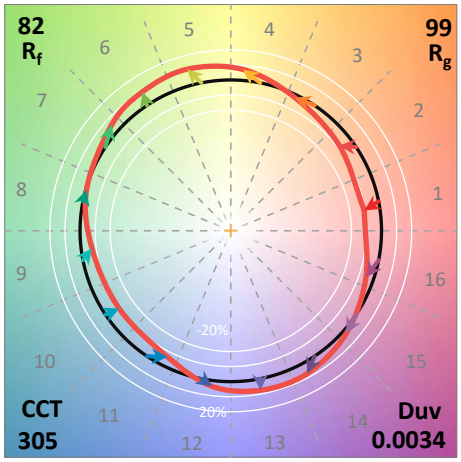
Spectral Power Distribution Comparison

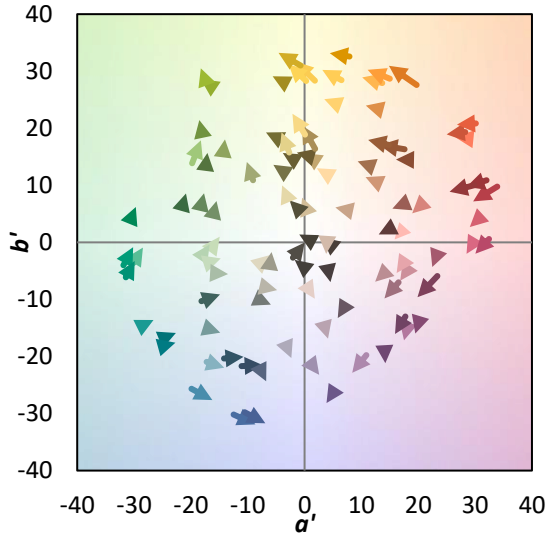


Color Vector Graphics







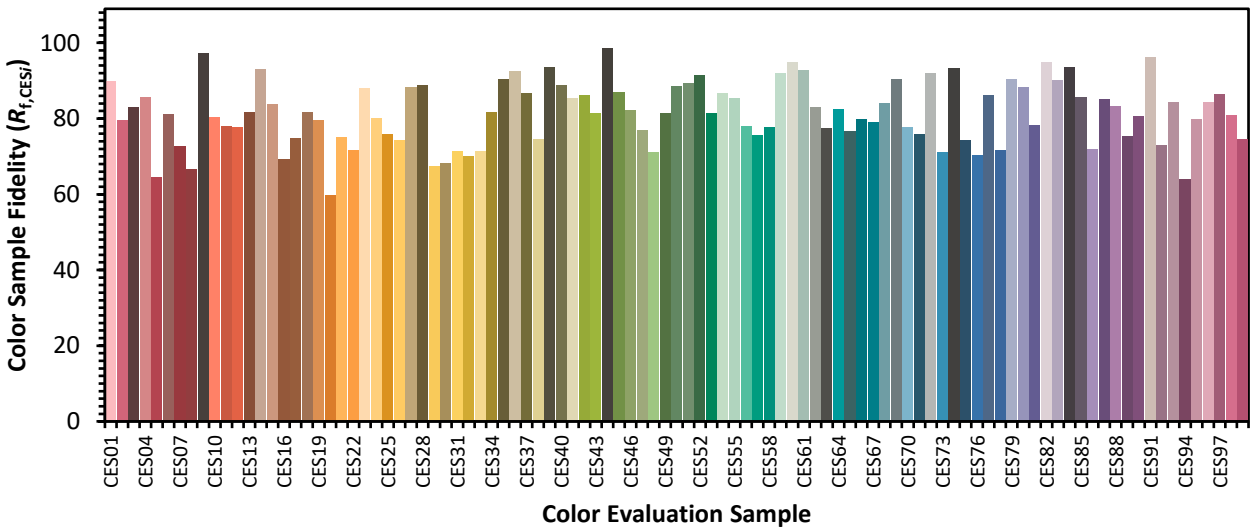


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Individual Sample Fidelity Index ($R_{f,i}$)

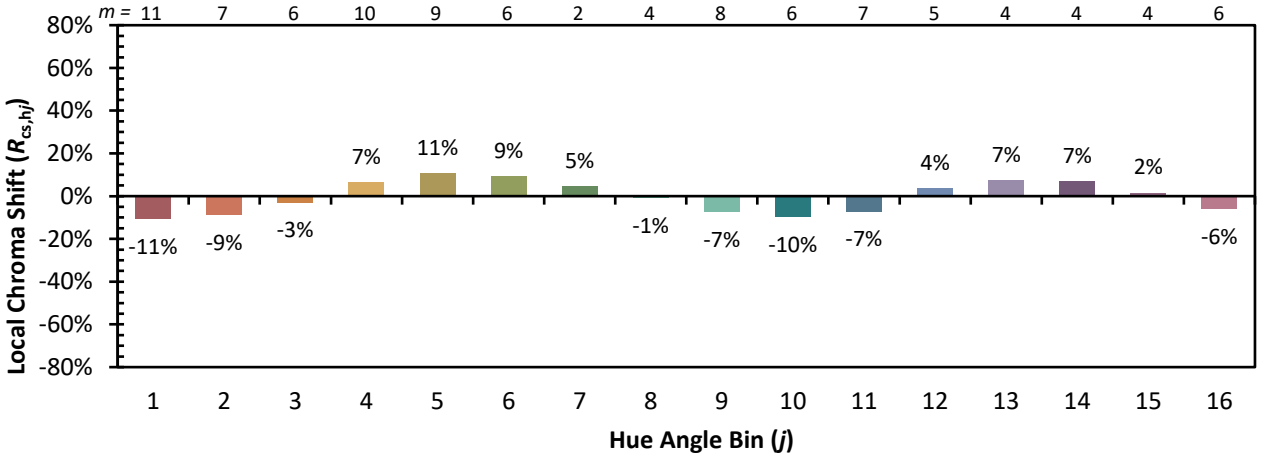
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

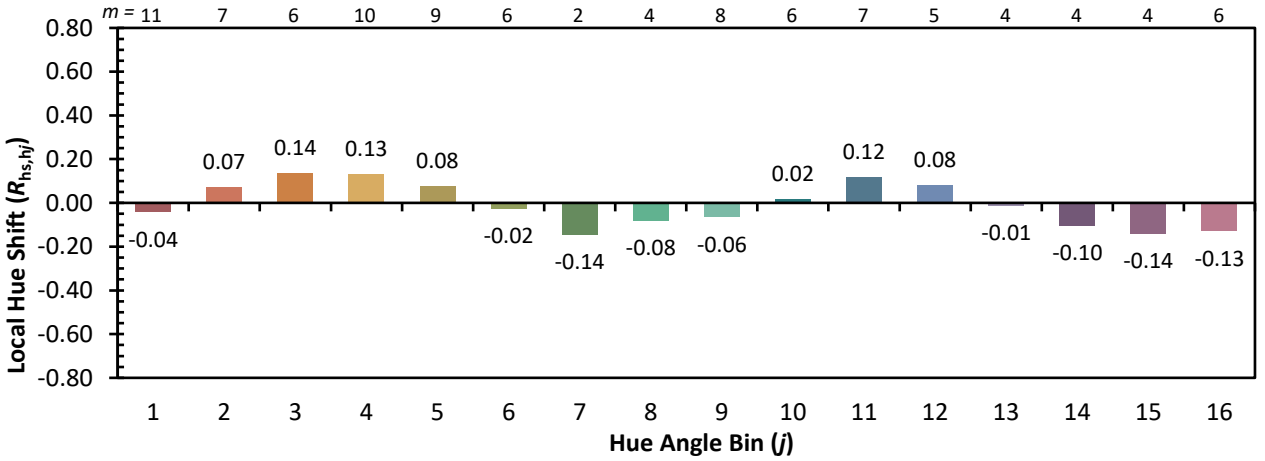


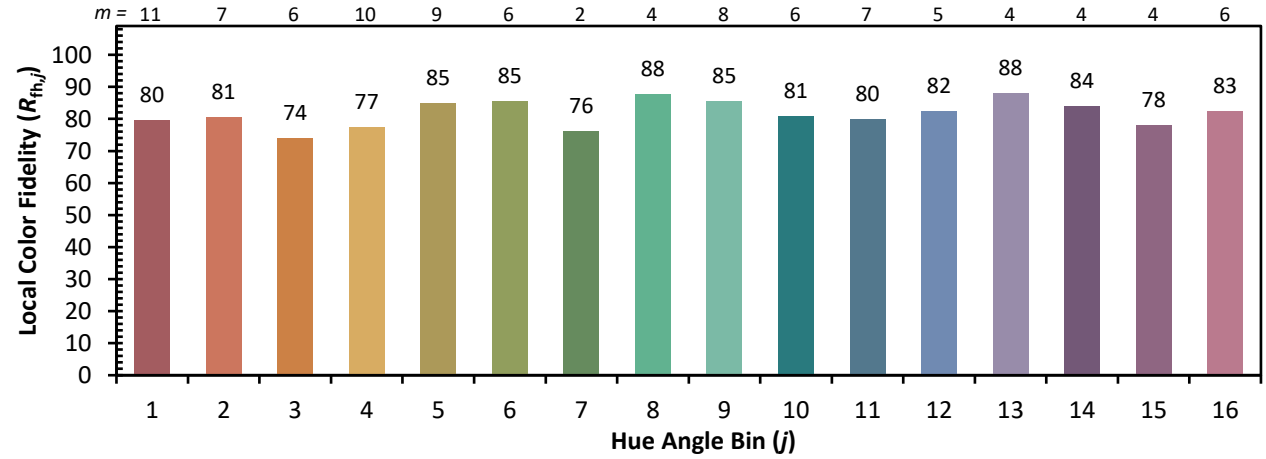
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Color Rendition by Hue-Angle Bin



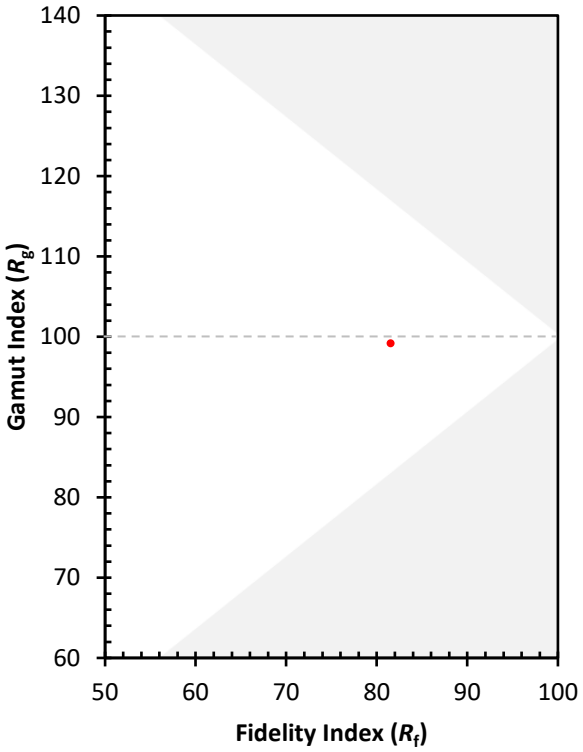


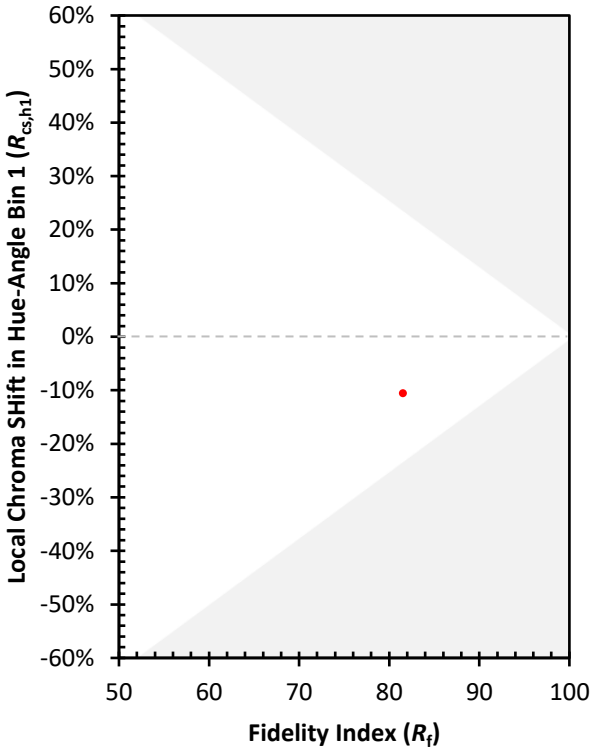


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Measure Comparisons





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