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: P1201998

Luminaire Tested: GWC-SB1C-830-U-T3-HSS

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:	P1201998
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1C-830-U-T3-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5305 lumens
Efficiency:	N/A
Efficacy:	97.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	54.4
Input Voltage (V):	120.0
Input Current (Ain):	0.437
Voltage Rise (V):	NR
Power Factor:	0.993
Total Harmonic Distortion (THDi):	9.314
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

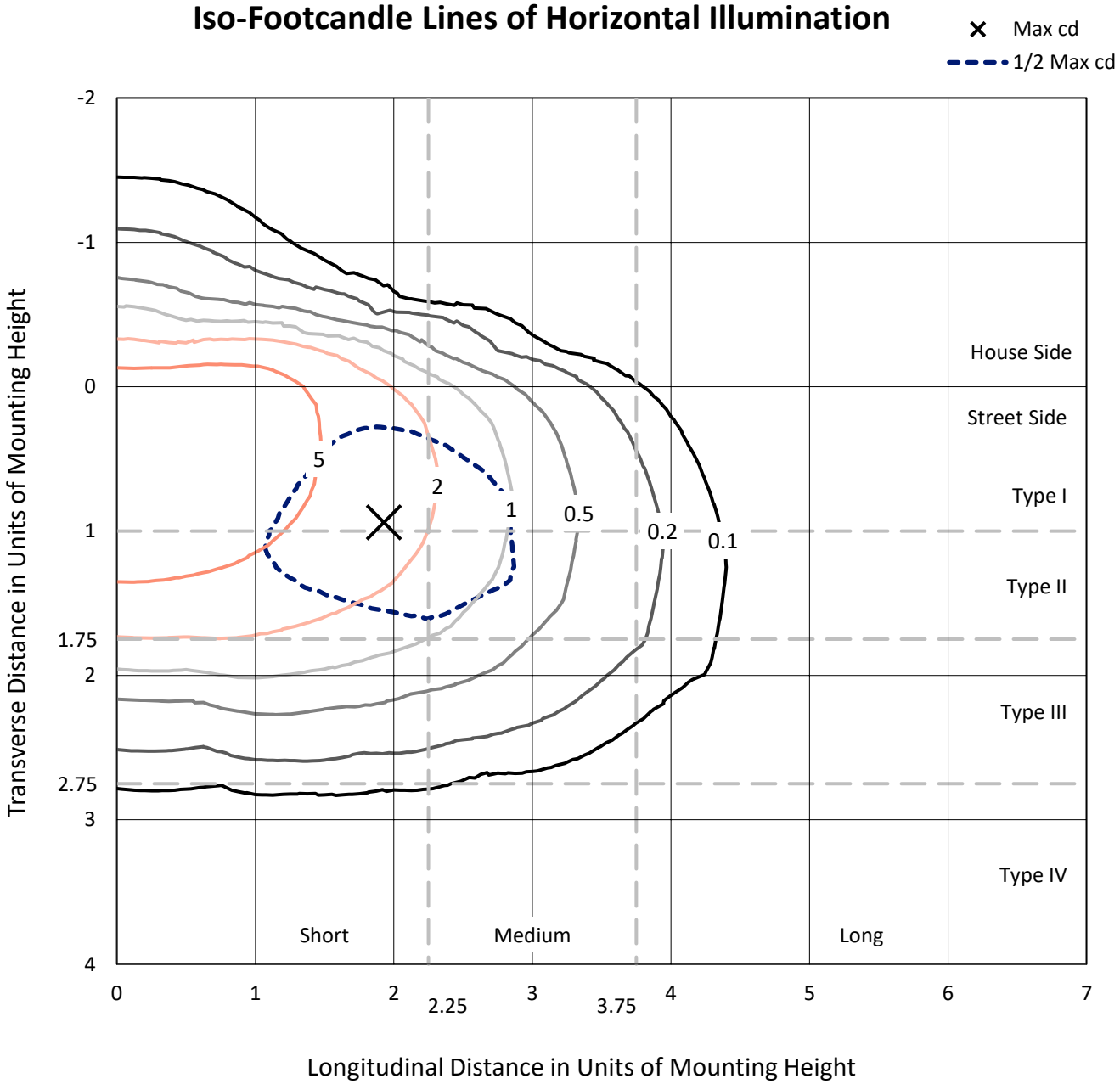


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Scaled Data Report

REPORT NUMBER: P1201998
CATALOG NUMBER: GWC-SB1C-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



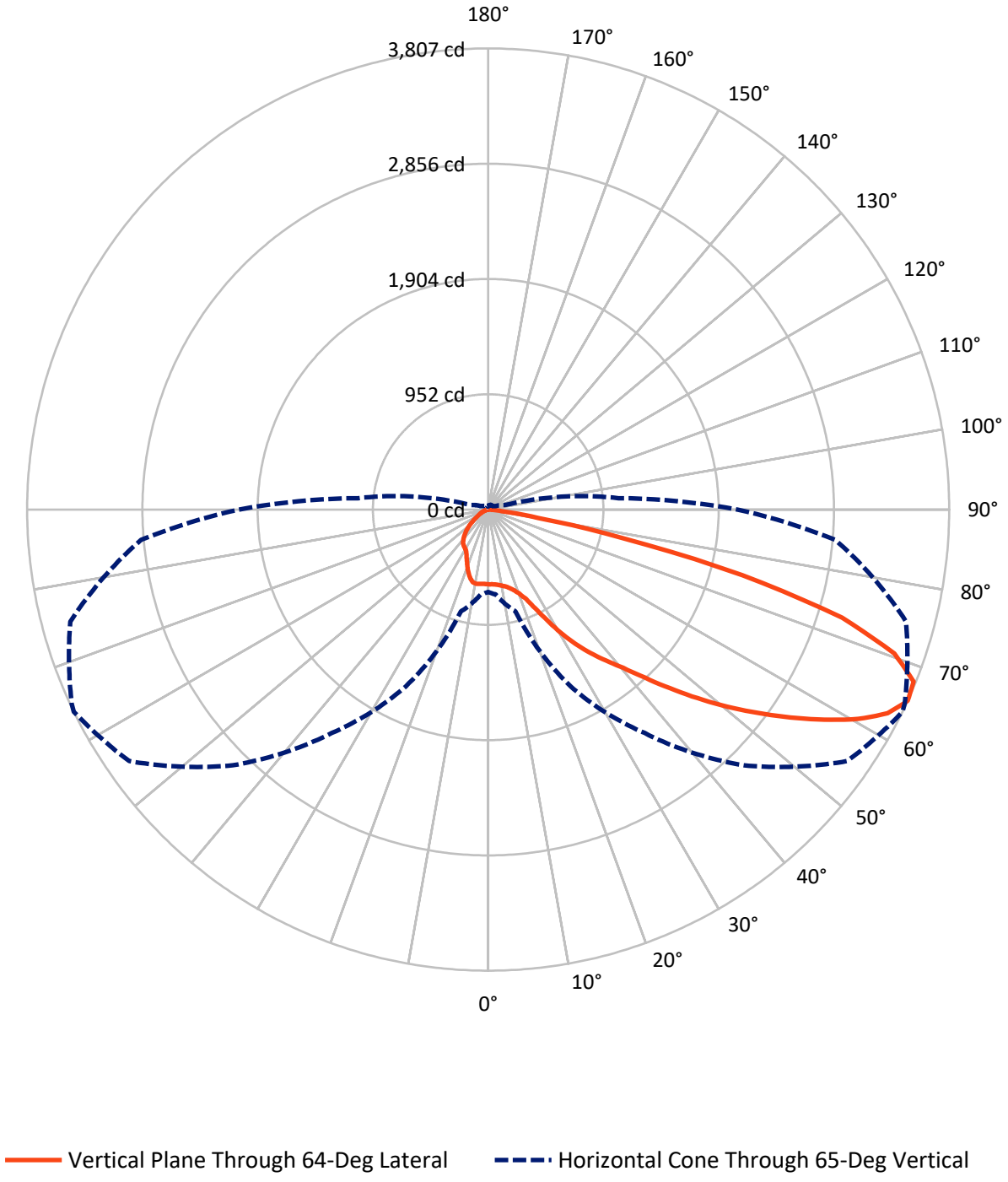
Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
Type III - Short - N/A

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REPORT NUMBER: P1201998
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Luminous Intensity Polar Plot



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Scaled Data Report

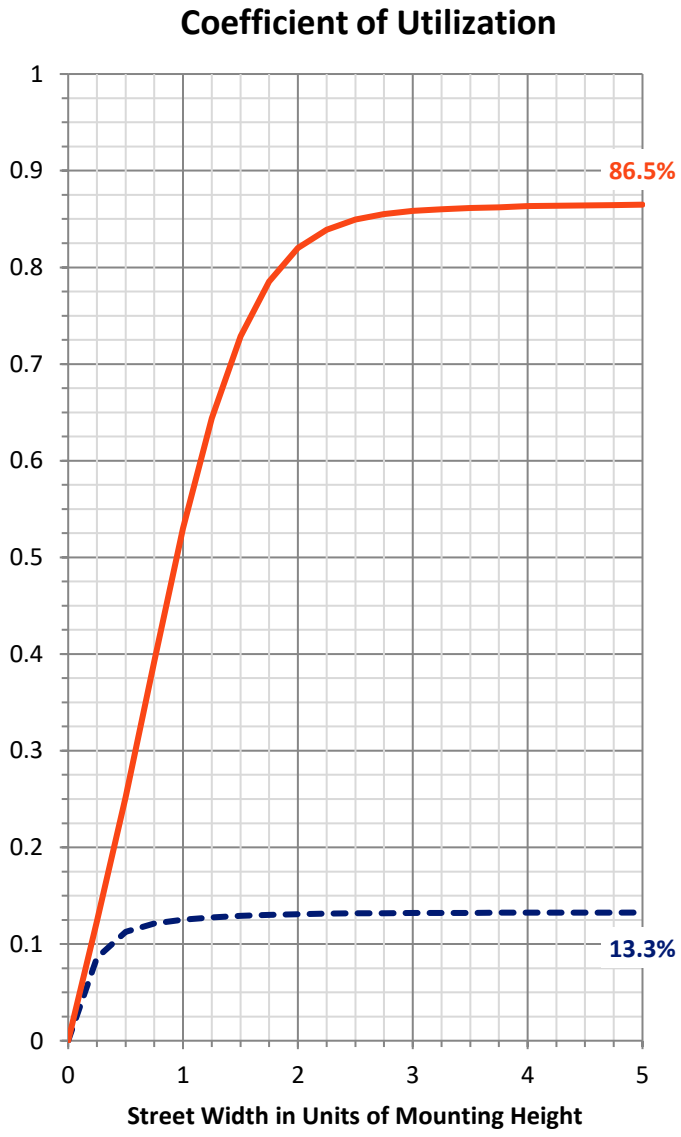
REPORT NUMBER: P1201998
CATALOG NUMBER: GWC-SB1C-830-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	709.4	0.0	709.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	4595.6	0.0	4595.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	5305.0	0.0	5305.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	1.1
10°-20°	154.4	2.9
20°-30°	292.6	5.5
30°-40°	592.0	11.2
40°-50°	1008.5	19.0
50°-60°	1371.5	25.9
60°-70°	1288.0	24.3
70°-80°	516.0	9.7
80°-90°	25.0	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°	5305.0	100.0
0°-180°	5305.0	100.0



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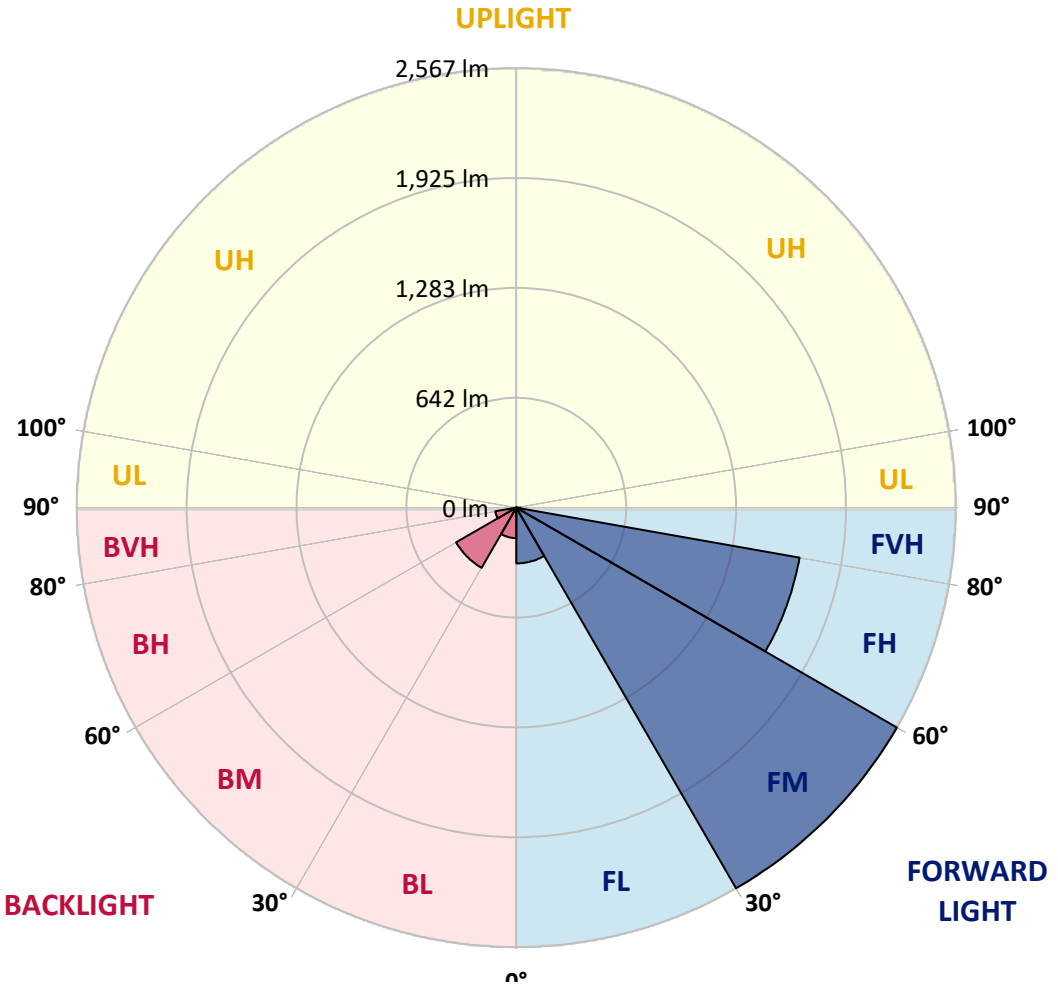
Scaled Data Report

REPORT NUMBER: P1201998
CATALOG NUMBER: GWC-SB1C-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	325.8	6.1			
FM	(30°-60°)	2566.6	48.4			
FH	(60°-80°)	1679.4	31.7			G1/1800
FVH	(80°-90°)	23.8	0.4			G1/100
BL	(0°-30°)	178.1	3.4	B1/500		
BM	(30°-60°)	405.6	7.6	B1/1000		
BH	(60°-80°)	124.5	2.3	B1/500		G1/500
BVH	(80°-90°)	1.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Short



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Scaled Data Report

REPORT NUMBER: P1201998
CATALOG NUMBER: GWC-SB1C-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	617.0	617.0	617.0	617.0	617.0	617.0	617.0	*617.0*	617.0	617.0	617.0
2.5°	614.9	619.2	618.1	617.0	616.7	617.4	617.7	*617.4*	617.4	617.4	617.7
5°	603.2	606.7	606.7	609.2	612.8	617.0	620.2	*620.9*	621.6	622.7	622.4
7.5°	580.8	583.6	585.7	593.9	602.8	614.2	623.8	*628.8*	629.5	633.4	634.8
10°	565.5	569.0	572.6	581.1	593.9	611.0	627.3	*639.4*	641.2	650.5	654.7
12.5°	564.7	568.3	572.9	582.2	597.1	615.2	635.2	*652.6*	655.8	669.3	678.2
15°	572.2	576.5	580.8	592.1	608.1	630.2	651.5	*673.2*	676.4	695.6	705.2
17.5°	587.5	593.2	596.4	607.8	624.9	649.4	677.5	*702.4*	705.2	727.6	739.7
20°	617.7	624.5	625.6	634.8	651.5	677.8	711.3	*742.2*	745.8	771.4	784.9
22.5°	680.3	689.9	681.4	686.0	701.0	727.3	763.5	*802.7*	807.6	836.8	848.9
25°	790.6	804.1	782.0	774.2	780.6	808.0	853.5	*903.0*	908.6	932.1	938.2
27.5°	1007.2	989.7	956.3	923.6	904.4	920.0	971.2	*1032.4*	1039.5	1062.3	1055.2
30°	1245.1	1229.8	1184.6	1112.1	1066.5	1064.1	1111.4	*1179.6*	1187.8	1209.5	1187.8
32.5°	1483.4	1468.8	1419.7	1330.4	1251.5	1212.4	1245.1	*1320.8*	1325.1	1339.0	1307.0
35°	1717.7	1702.8	1653.7	1562.3	1465.2	1376.3	1369.9	*1455.3*	1456.7	1471.3	1423.6
37.5°	1953.5	1941.1	1888.8	1799.2	1703.5	1580.8	1521.4	*1582.6*	1584.4	1598.6	1549.1
40°	2121.7	2127.1	2091.1	2021.8	1939.6	1805.6	1691.4	*1718.1*	1707.4	1731.2	1701.7
42.5°	2266.1	2276.8	2245.5	2210.6	2163.0	2044.9	1901.9	*1897.3*	1880.2	1893.0	1862.5
45°	2390.9	2399.8	2371.7	2363.5	2362.5	2279.6	2132.0	*2104.3*	2080.5	2078.0	2041.3
47.5°	2436.8	2453.9	2466.0	2493.4	2546.7	2511.8	2370.0	*2326.9*	2300.2	2280.7	2222.7
50°	2454.2	2472.4	2513.6	2593.3	2719.5	2734.5	2606.8	*2558.4*	2525.7	2490.2	2404.8
52.5°	2430.8	2463.1	2518.6	2652.7	2835.8	2913.0	2834.1	*2791.7*	2754.4	2696.4	2569.8
55°	2292.4	2324.8	2438.2	2652.0	2893.8	3038.2	3048.9	*3030.0*	2988.0	2896.6	2703.2
57.5°	2000.8	2048.8	2228.4	2561.6	2892.7	3145.9	3259.4	*3272.9*	3226.0	3095.1	2808.1
60°	1596.8	1661.9	1881.0	2361.4	2803.5	3204.3	3444.0	*3511.5*	3461.8	3290.7	2893.1
62.5°	1114.2	1189.6	1396.9	2047.7	2599.3	3162.3	3578.8	*3703.6*	3665.9	3465.7	2925.8
65°	*679.6*	*703.8*	*870.9*	*1611.4*	*2252.2*	*2986.6*	*3620.4*	*3807.4*	*3795.0*	*3572.7*	*2877.4*
67.5°	452.7	473.0	521.0	1105.0	1748.3	2635.6	3520.8	*3789.3*	3792.8	3555.3	2700.3
70°	272.8	290.2	321.5	642.6	1133.1	2086.2	3212.5	*3558.1*	3578.8	3322.3	2364.6
72.5°	112.4	124.1	152.6	291.3	586.8	1324.0	2558.1	*3054.9*	3102.9	2793.5	1814.8
75°	63.7	69.7	89.6	146.2	254.6	617.0	1549.5	*2168.7*	2239.4	1925.4	1091.8
77.5°	42.3	45.2	58.0	94.6	143.3	210.5	662.2	*1129.9*	1265.0	1051.6	472.6
80°	28.5	30.9	39.8	63.3	93.2	90.3	210.9	*418.6*	515.0	361.3	115.2
82.5°	19.2	19.6	28.5	41.6	59.0	43.7	62.2	*130.2*	163.6	104.6	43.7
85°	11.0	10.7	21.0	24.2	26.3	18.1	18.8	*39.1*	51.2	44.1	24.9
87.5°	1.4	2.1	8.2	6.4	3.6	3.9	3.9	*6.8*	10.0	10.7	5.3
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: P1201998
CATALOG NUMBER: GWC-SB1C-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0
2.5°	617.7	617.4	616.3	615.2	612.8	611.3	612.0	611.3	611.0	611.3	612.8
5°	622.4	621.3	618.4	614.9	609.9	603.9	600.0	594.3	588.9	585.7	586.4
7.5°	634.8	633.7	629.8	619.9	603.9	578.6	555.5	535.2	519.9	511.0	511.4
10°	654.7	652.9	646.9	624.9	582.9	527.8	481.9	443.8	418.9	407.2	406.1
12.5°	678.2	676.1	665.4	620.2	543.1	457.0	393.7	351.4	328.3	317.9	316.9
15°	705.9	703.1	682.1	598.2	485.1	378.8	320.8	289.1	274.2	264.9	265.3
17.5°	740.4	735.5	694.6	565.1	422.1	319.0	276.0	252.1	239.0	230.1	229.4
20°	785.2	777.1	704.5	525.6	364.2	281.3	245.7	225.8	215.9	208.0	206.6
22.5°	847.8	836.1	716.6	483.0	323.3	255.3	223.3	208.8	200.6	191.7	190.3
25°	925.4	911.5	731.5	443.5	295.2	232.9	207.0	194.9	185.3	175.0	173.9
27.5°	1033.8	1008.9	749.3	411.1	271.0	213.7	192.0	178.5	167.5	159.0	157.2
30°	1154.7	1113.8	765.0	391.6	248.9	196.0	172.5	159.0	148.7	142.6	141.5
32.5°	1269.3	1213.8	775.3	383.0	229.0	175.7	151.1	136.6	128.7	127.0	128.0
35°	1377.4	1304.1	774.2	374.8	211.2	155.4	130.2	115.2	109.2	110.2	110.2
37.5°	1501.8	1400.5	766.7	362.0	196.7	136.9	112.0	98.9	93.5	93.9	95.3
40°	1646.6	1511.8	762.1	337.9	180.7	119.8	97.1	86.4	82.5	81.1	80.7
42.5°	1800.9	1619.6	762.8	310.5	160.7	104.6	86.8	77.9	74.3	73.3	72.9
45°	1956.0	1722.3	763.9	282.0	139.8	92.8	79.3	71.8	69.7	68.3	68.3
47.5°	2101.8	1809.8	744.0	251.4	119.1	83.9	73.3	68.3	66.5	64.7	64.7
50°	2237.7	1868.2	696.0	215.9	102.8	76.8	68.6	65.1	63.3	61.5	61.5
52.5°	2343.3	1877.4	616.7	179.2	91.4	71.5	65.8	62.6	60.5	58.7	58.3
55°	2390.2	1819.4	503.9	145.1	82.5	66.9	62.9	59.7	57.3	55.5	55.1
57.5°	2378.1	1697.4	393.0	116.6	74.0	62.2	59.4	57.3	54.4	51.6	51.2
60°	2318.7	1534.2	296.2	97.1	66.1	57.3	55.5	53.7	49.8	45.5	44.8
62.5°	2216.0	1329.0	211.2	80.4	57.6	51.6	50.9	49.4	43.7	35.9	35.2
65°	*2058.8*	*1079.7*	*142.3*	*66.9*	*49.4*	*45.2*	*45.5*	*43.0*	*35.6*	*26.7*	*26.0*
67.5°	1829.0	789.5	91.0	54.8	41.3	37.7	38.1	36.6	30.2	22.8	21.7
70°	1536.3	522.8	59.4	41.6	33.1	29.2	31.3	31.7	25.6	18.5	17.8
72.5°	1126.3	308.7	41.6	30.9	24.2	20.3	25.6	26.3	20.6	13.9	13.2
75°	641.9	146.5	31.3	22.4	14.9	14.2	19.9	19.9	14.2	9.2	8.5
77.5°	269.6	61.2	22.0	14.6	8.5	8.2	13.5	12.4	7.1	4.3	4.3
80°	77.9	27.4	11.7	7.1	3.6	3.2	5.3	3.9	1.8	0.7	0.7
82.5°	30.6	12.1	4.6	2.8	1.4	1.4	0.7	0.0	0.0	0.0	0.0
85°	18.1	5.0	2.1	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.6	1.1	0.7	0.0	0.0	0.0	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


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

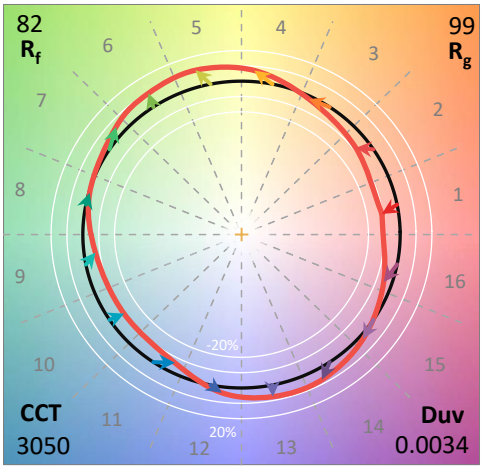
Test Information

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

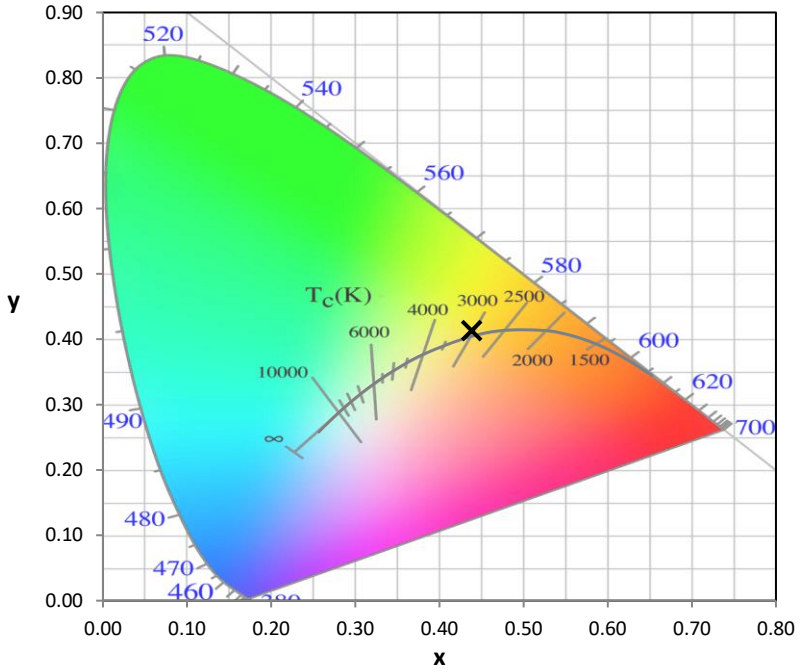
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

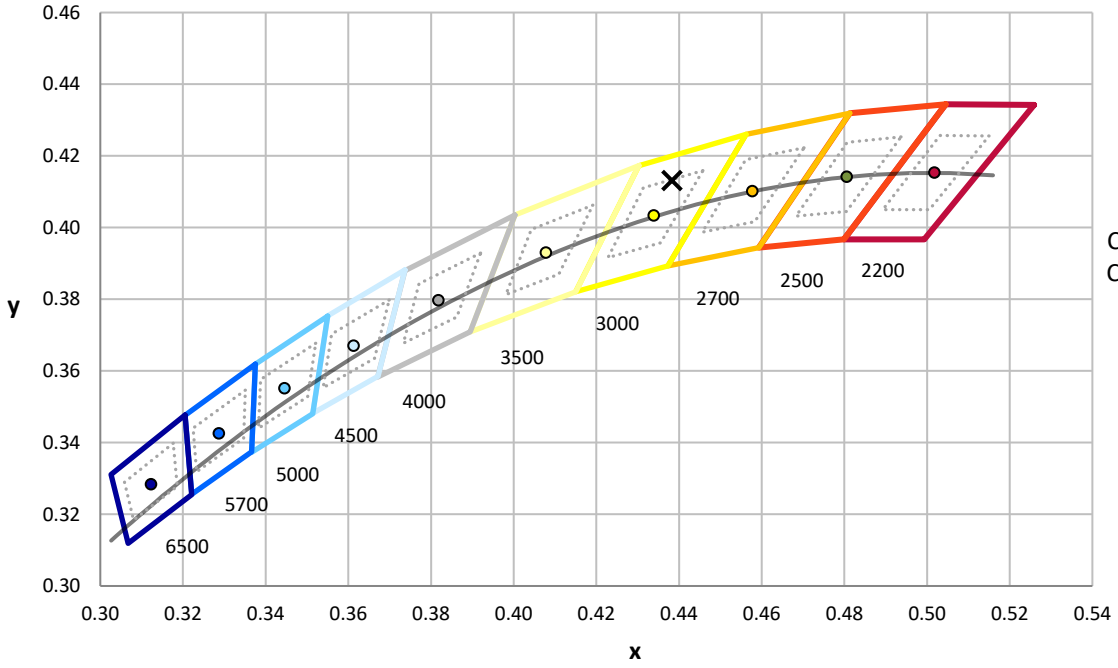
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

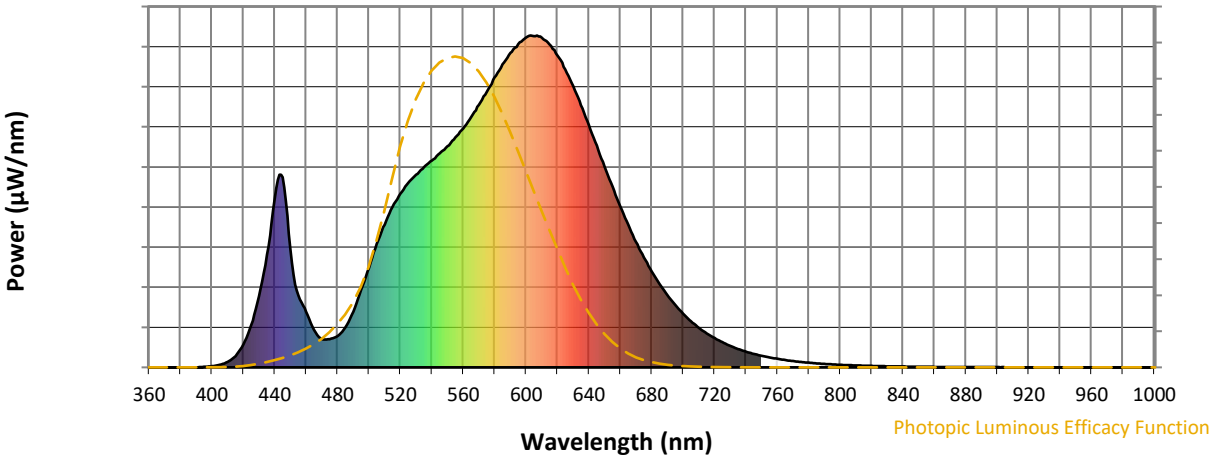


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

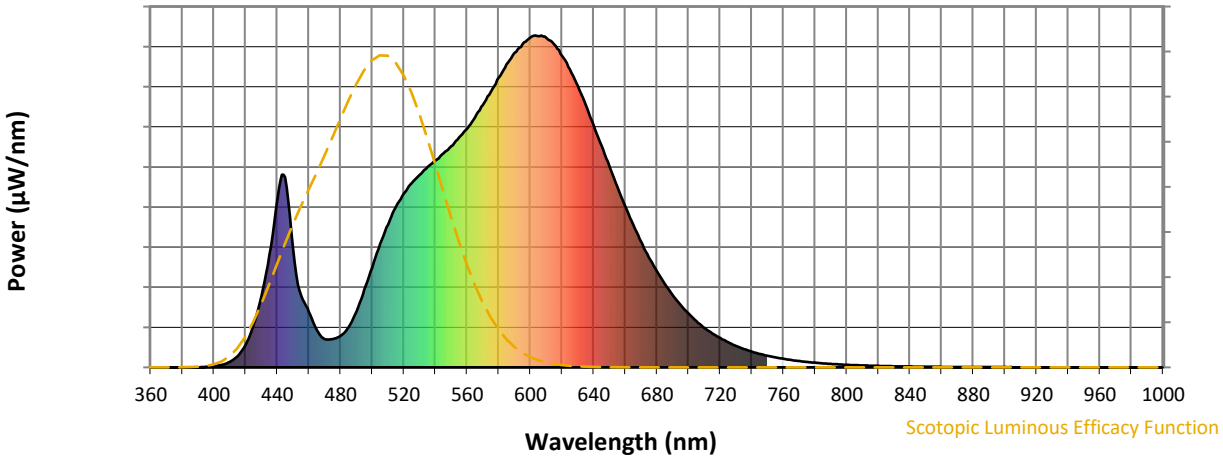


Photopic Lumens: NR

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

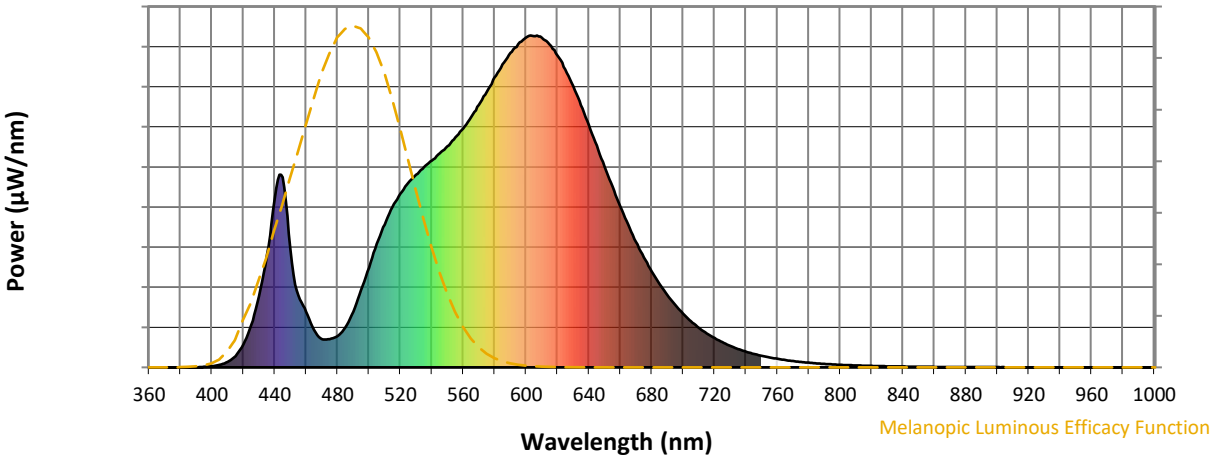


Scotopic Lumens: NR **S/P: 1.27**

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			

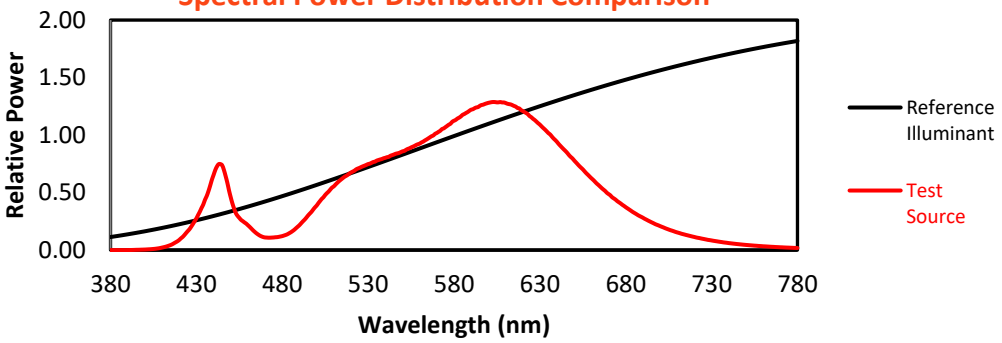
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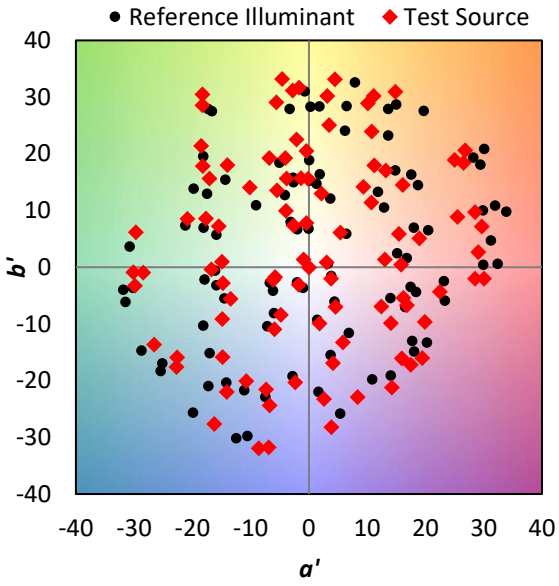
Summary

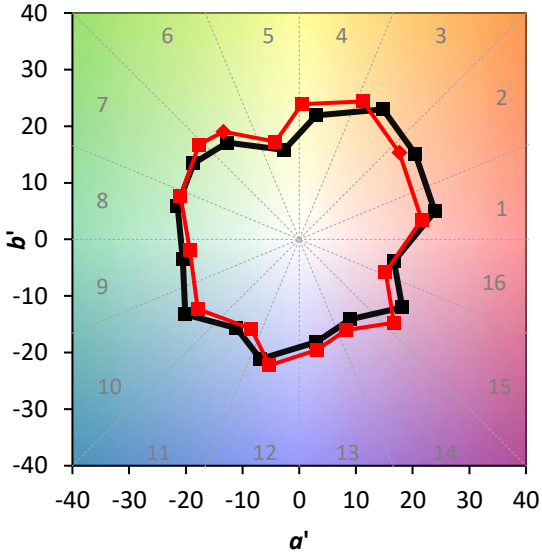
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

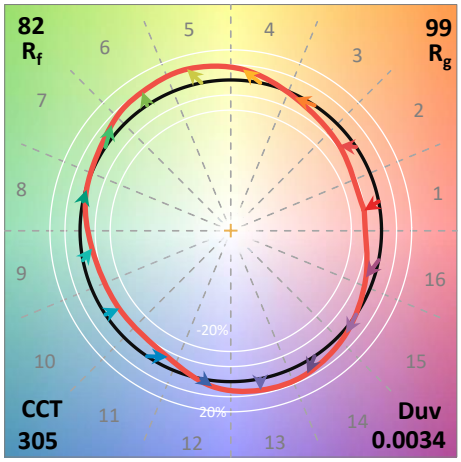
Spectral Power Distribution Comparison

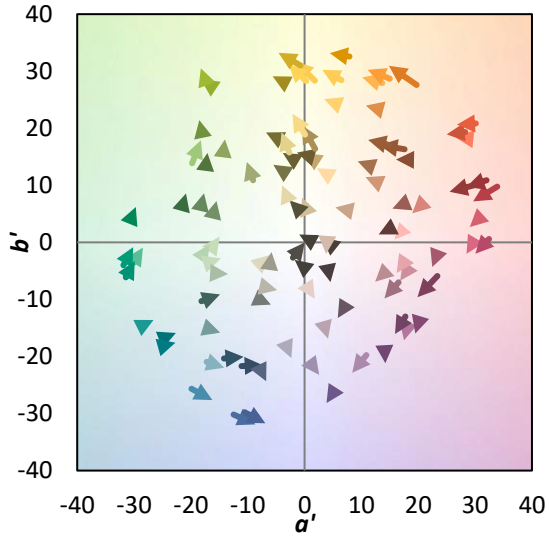


Color Vector Graphics







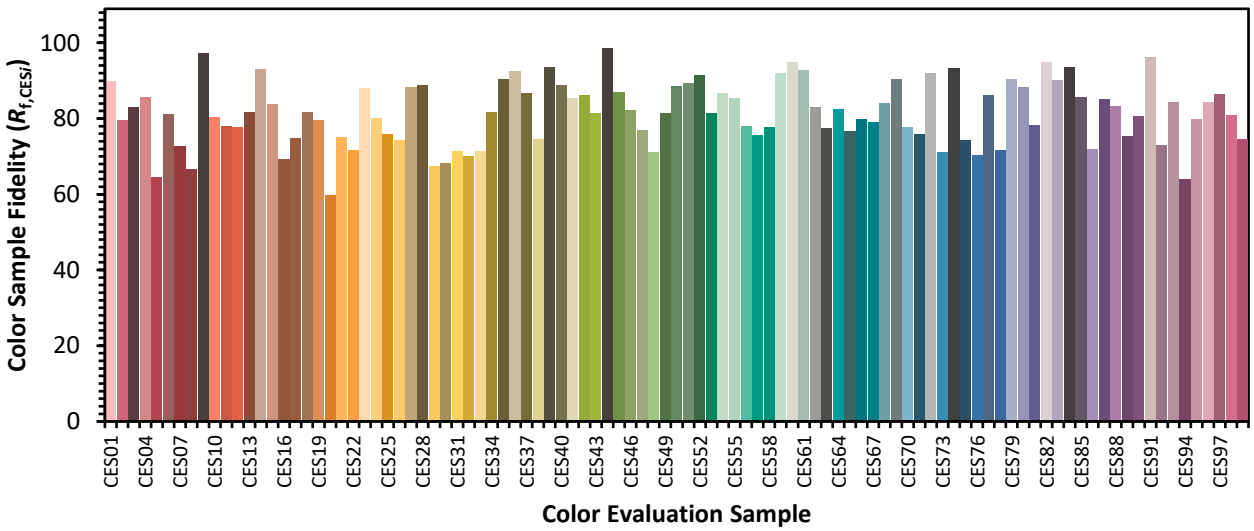


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Individual Sample Fidelity Index ($R_{f,i}$)

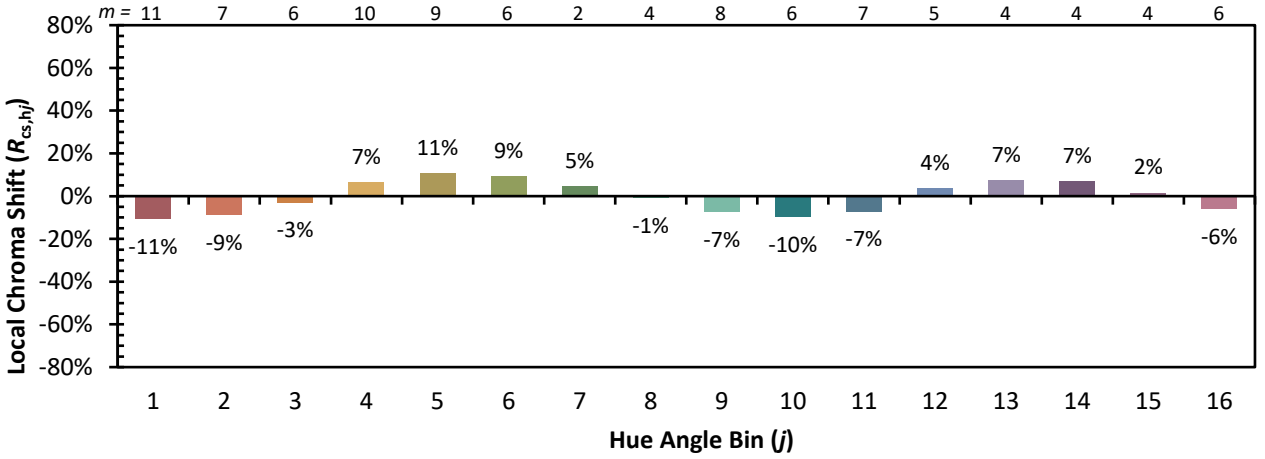
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

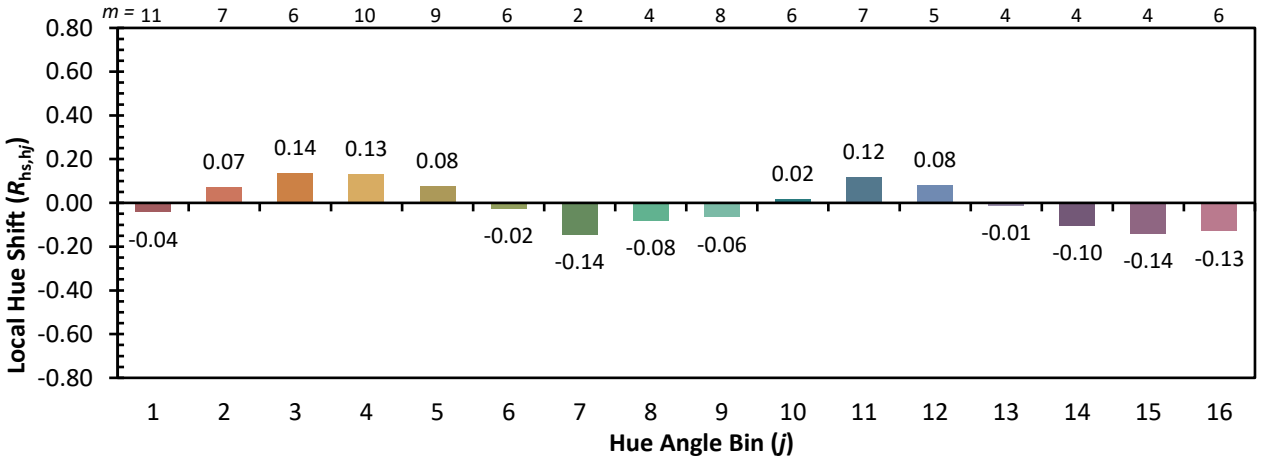


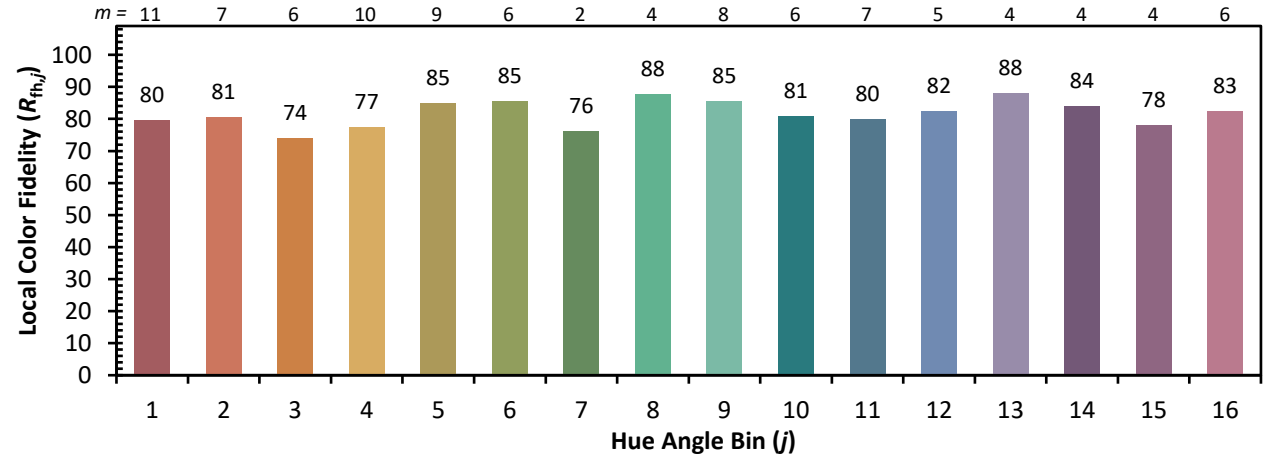
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Color Rendition by Hue-Angle Bin



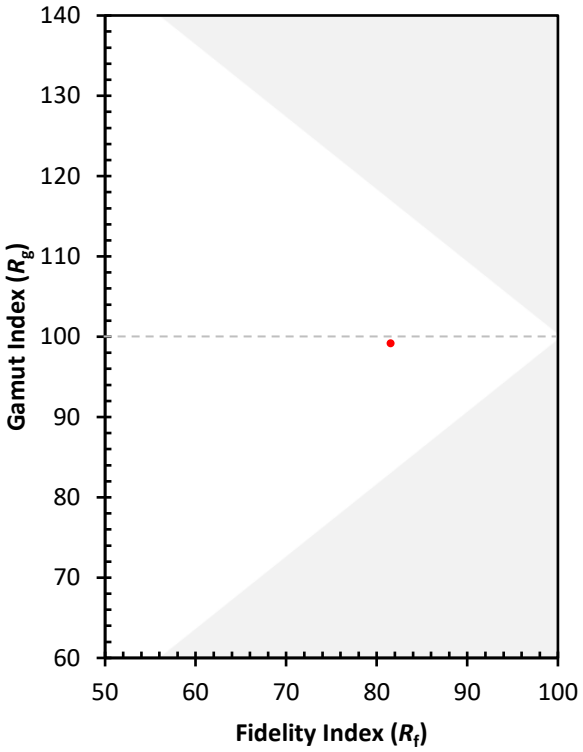


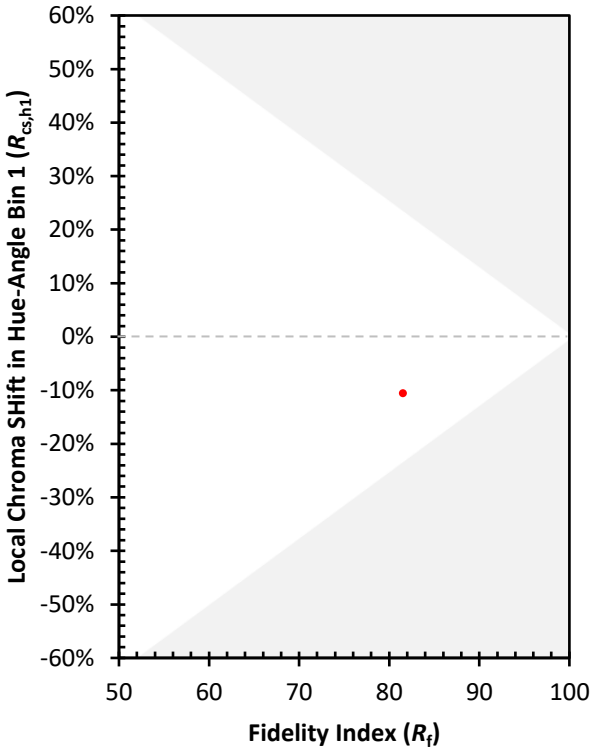


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Measure Comparisons





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