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

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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: P1202746

Luminaire Tested: GWC-SB2A-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:	P1202746
	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-SB2A-830-U-T3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6321 lumens
Efficiency:	N/A
Efficacy:	110.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

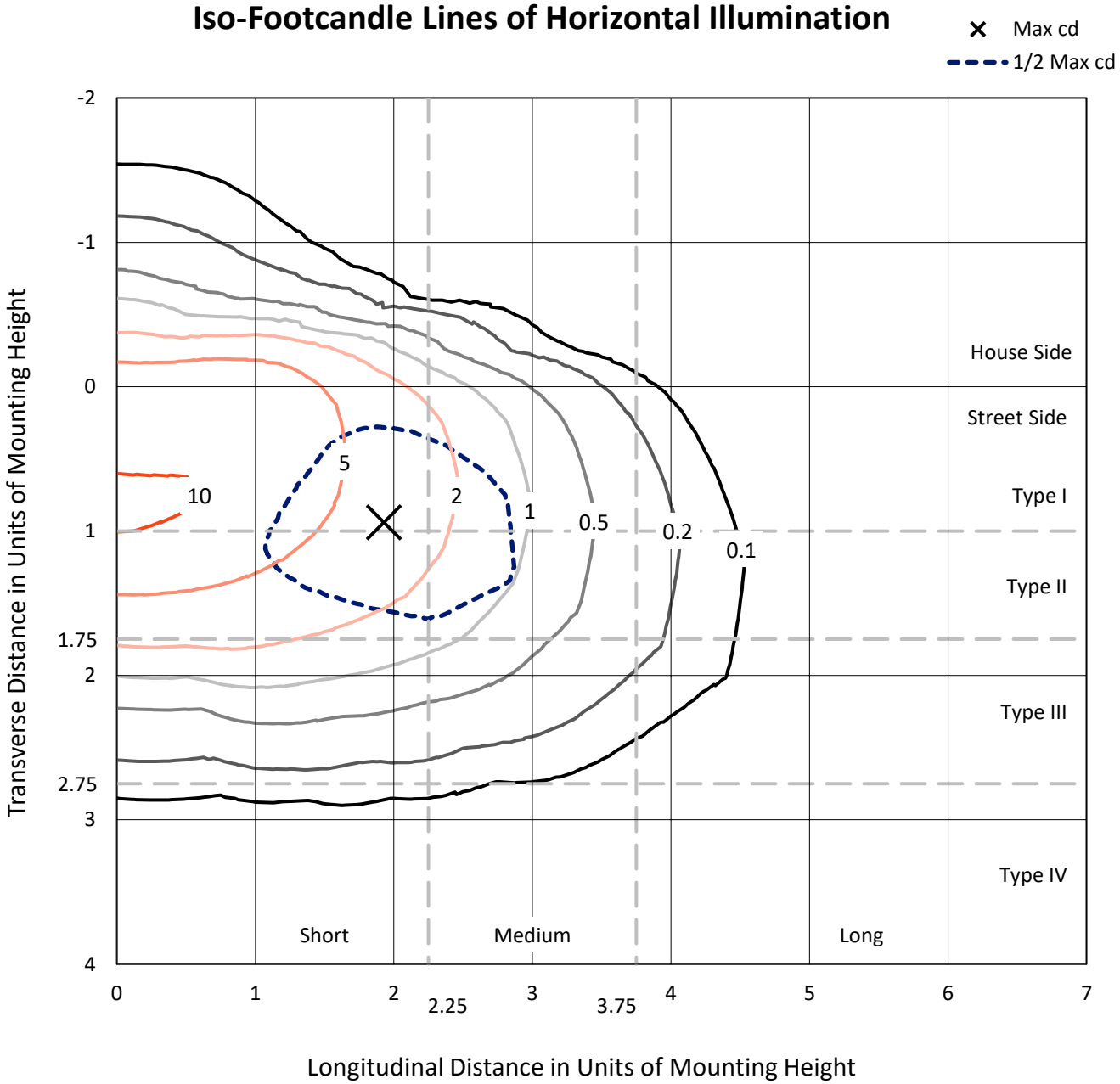


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REPORT NUMBER: P1202746
CATALOG NUMBER: GWC-SB2A-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



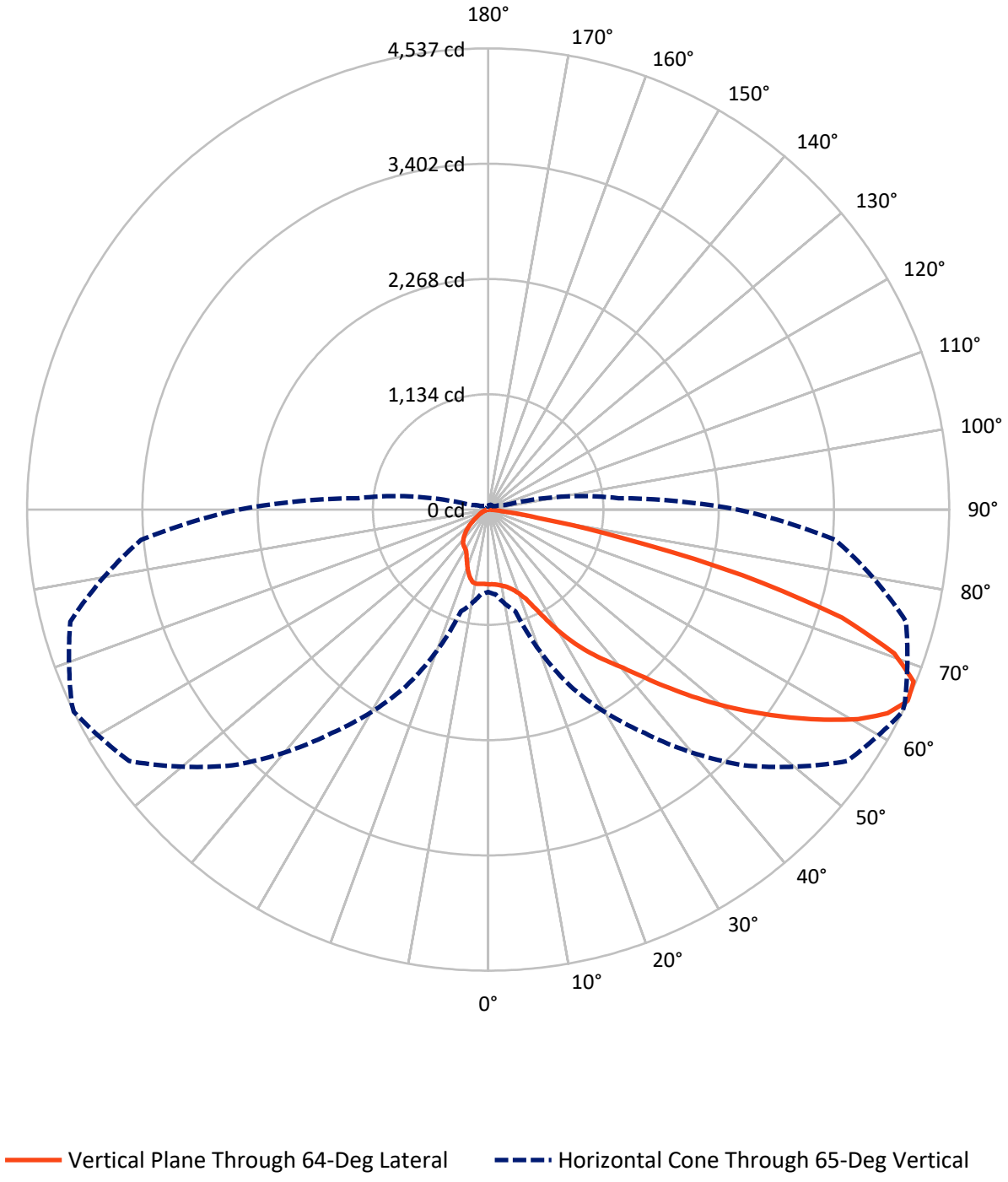
Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
Type III - Short - N/A

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REPORT NUMBER: P1202746
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Luminous Intensity Polar Plot



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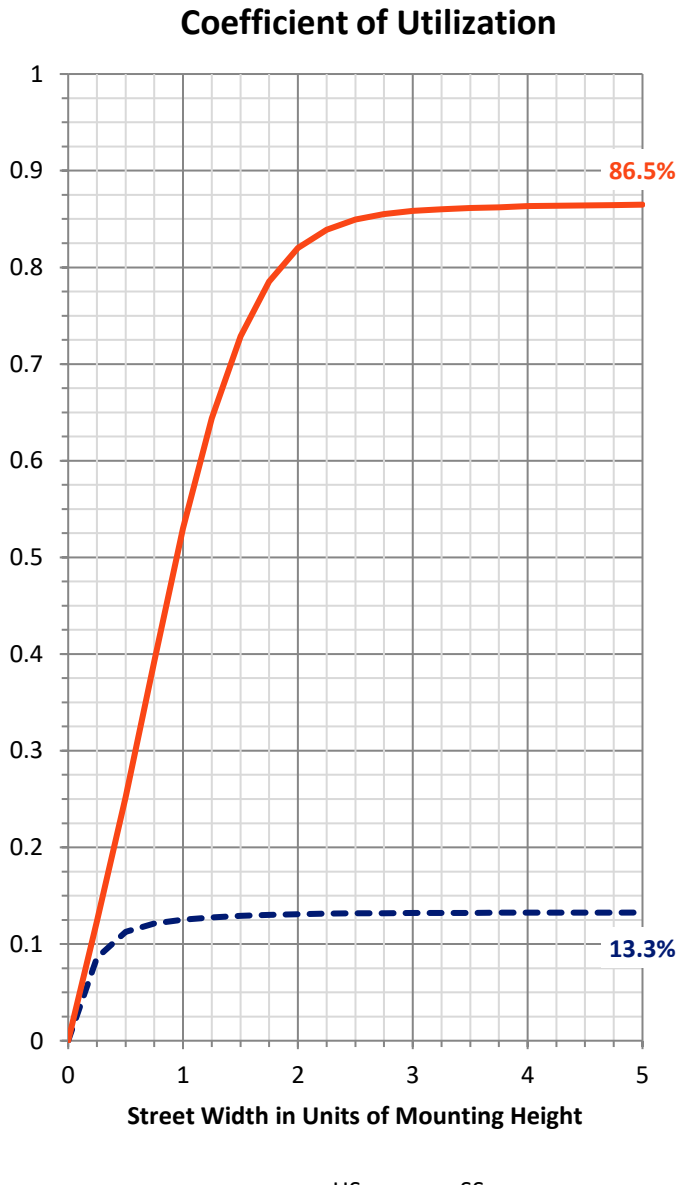
REPORT NUMBER: P1202746
CATALOG NUMBER: GWC-SB2A-830-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	845.3	0.0	845.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5475.7	0.0	5475.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	6321.0	0.0	6321.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	1.1
10°-20°	184.0	2.9
20°-30°	348.6	5.5
30°-40°	705.4	11.2
40°-50°	1201.7	19.0
50°-60°	1634.2	25.9
60°-70°	1534.6	24.3
70°-80°	614.8	9.7
80°-90°	29.8	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°	6321.0	100.0
0°-180°	6321.0	100.0



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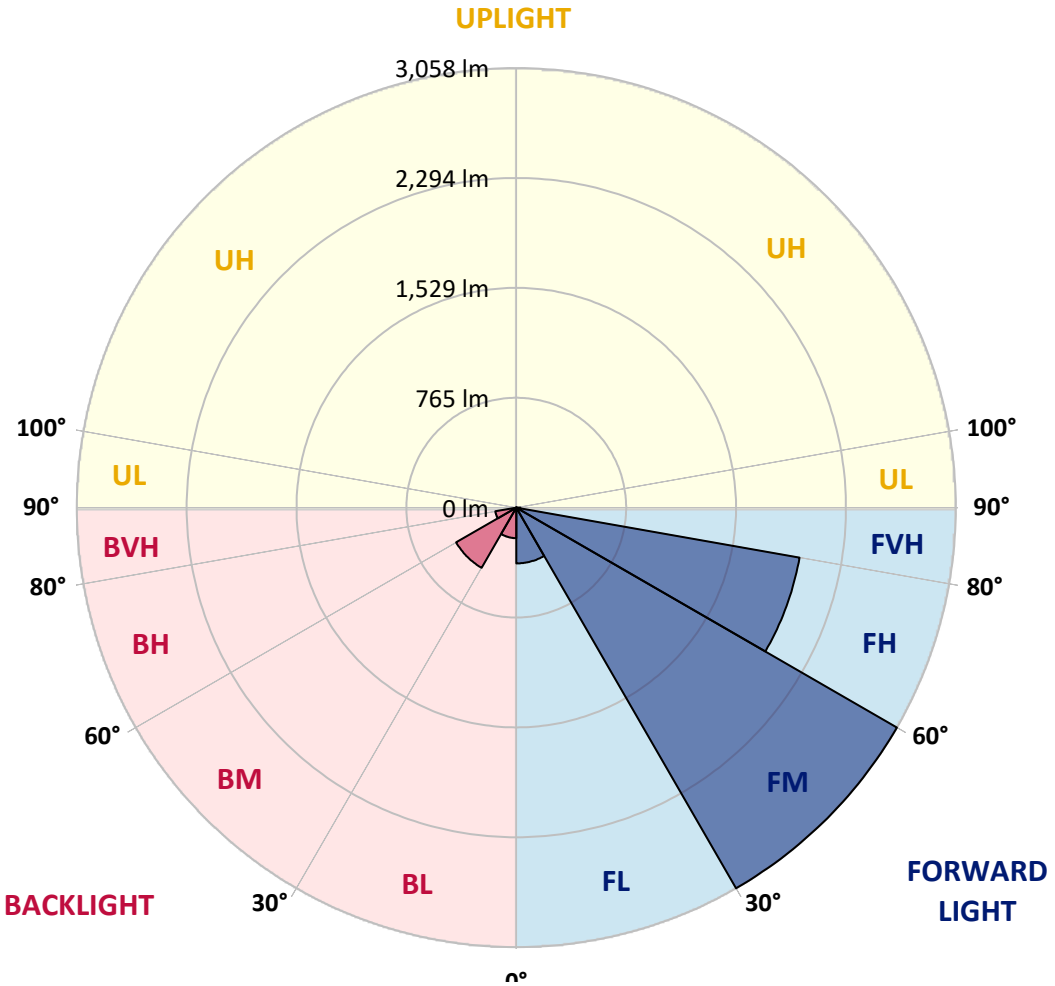
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	388.2	6.1			
FM	(30°-60°)	3058.1	48.4			
FH	(60°-80°)	2001.1	31.7			G2/5000
FVH	(80°-90°)	28.3	0.4			G1/100
BL	(0°-30°)	212.2	3.4	B1/500		
BM	(30°-60°)	483.3	7.6	B1/1000		
BH	(60°-80°)	148.4	2.3	B1/500		G1/500
BVH	(80°-90°)	1.5	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-G2
Type III Short



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REPORT NUMBER: P1202746
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	735.2	735.2	735.2	735.2	735.2	735.2	735.2	*735.2*	735.2	735.2	735.2
2.5°	732.7	737.7	736.5	735.2	734.8	735.6	736.0	*735.6*	735.6	735.6	736.0
5°	718.7	722.9	722.9	725.9	730.1	735.2	739.0	*739.9*	740.7	742.0	741.6
7.5°	692.0	695.4	697.9	707.7	718.2	731.8	743.2	*749.2*	750.0	754.7	756.4
10°	673.8	678.0	682.2	692.4	707.7	728.0	747.5	*761.9*	764.0	775.0	780.1
12.5°	672.9	677.1	682.7	693.7	711.5	733.1	756.8	*777.6*	781.4	797.5	808.1
15°	681.8	686.9	692.0	705.5	724.6	750.9	776.3	*802.1*	806.0	828.8	840.3
17.5°	700.0	706.8	710.6	724.2	744.5	773.8	807.2	*836.9*	840.3	867.0	881.4
20°	736.0	744.1	745.4	756.4	776.3	807.7	847.5	*884.4*	888.6	919.1	935.2
22.5°	810.6	822.1	811.9	817.4	835.2	866.6	909.8	*956.4*	962.3	997.1	1011.5
25°	942.0	958.1	931.8	922.5	930.1	962.7	1017.0	*1075.9*	1082.7	1110.6	1117.8
27.5°	1200.0	1179.3	1139.5	1100.5	1077.6	1096.2	1157.2	*1230.1*	1238.6	1265.7	1257.3
30°	1483.5	1465.3	1411.5	1325.1	1270.8	1267.8	1324.2	*1405.6*	1415.3	1441.2	1415.3
32.5°	1767.4	1750.1	1691.6	1585.2	1491.2	1444.5	1483.5	*1573.8*	1578.9	1595.4	1557.3
35°	2046.7	2028.9	1970.4	1861.5	1745.8	1639.9	1632.3	*1734.0*	1735.7	1753.0	1696.3
37.5°	2327.6	2312.8	2250.5	2143.7	2029.7	1883.5	1812.8	*1885.7*	1887.8	1904.7	1845.8
40°	2528.1	2534.4	2491.6	2409.0	2311.1	2151.4	2015.3	*2047.1*	2034.4	2062.8	2027.6
42.5°	2700.1	2712.8	2675.5	2634.0	2577.2	2436.5	2266.2	*2260.7*	2240.3	2255.6	2219.2
45°	2848.8	2859.4	2826.0	2816.2	2814.9	2716.2	2540.4	*2507.3*	2478.9	2475.9	2432.3
47.5°	2903.5	2923.8	2938.2	2970.9	3034.4	2992.9	2823.8	*2772.6*	2740.8	2717.5	2648.4
50°	2924.3	2945.9	2995.0	3090.0	3240.4	3258.2	3106.1	*3048.4*	3009.4	2967.1	2865.4
52.5°	2896.3	2934.9	3001.0	3160.7	3378.9	3470.9	3376.8	*3326.4*	3281.9	3212.8	3062.0
55°	2731.5	2770.0	2905.2	3159.9	3448.0	3620.1	3632.8	*3610.3*	3560.3	3451.4	3220.9
57.5°	2384.0	2441.2	2655.2	3052.2	3446.7	3748.5	3883.6	*3899.7*	3843.8	3687.9	3345.9
60°	1902.6	1980.2	2241.2	2813.7	3340.4	3817.9	4103.5	*4184.1*	4124.7	3920.9	3447.2
62.5°	1327.6	1417.4	1664.5	2439.9	3097.2	3767.9	4264.1	*4412.9*	4368.0	4129.4	3486.2
65°	*809.8*	*838.6*	*1037.8*	*1920.0*	*2683.6*	*3558.6*	*4313.7*	*4536.6*	*4521.8*	*4256.9*	*3428.5*
67.5°	539.4	563.6	620.8	1316.6	2083.1	3140.4	4195.1	*4515.0*	4519.2	4236.2	3217.5
70°	325.0	345.8	383.1	765.7	1350.1	2485.7	3827.7	*4239.6*	4264.1	3958.6	2817.5
72.5°	133.9	147.9	181.8	347.0	699.2	1577.6	3048.0	*3640.0*	3697.2	3328.5	2162.4
75°	75.9	83.1	106.8	174.2	303.4	735.2	1846.3	*2584.0*	2668.3	2294.2	1300.9
77.5°	50.4	53.8	69.1	112.7	170.8	250.9	789.0	*1346.2*	1507.3	1253.0	563.2
80°	33.9	36.9	47.5	75.4	111.0	107.6	251.3	*498.7*	613.6	430.5	137.3
82.5°	22.9	23.3	33.9	49.6	70.3	52.1	74.2	*155.1*	194.9	124.6	52.1
85°	13.1	12.7	25.0	28.8	31.4	21.6	22.5	*46.6*	61.0	52.5	29.7
87.5°	1.7	2.5	9.7	7.6	4.2	4.7	4.7	*8.1*	11.9	12.7	6.4
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: P1202746
CATALOG NUMBER: GWC-SB2A-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2
2.5°	736.0	735.6	734.4	733.1	730.1	728.4	729.3	728.4	728.0	728.4	730.1
5°	741.6	740.3	736.9	732.7	726.7	719.5	714.9	708.1	701.7	697.9	698.8
7.5°	756.4	755.1	750.5	738.6	719.5	689.4	661.9	637.7	619.5	608.9	609.3
10°	780.1	778.0	770.8	744.5	694.5	628.8	574.2	528.8	499.2	485.2	483.9
12.5°	808.1	805.5	792.8	739.0	647.1	544.5	469.1	418.7	391.1	378.8	377.6
15°	841.1	837.7	812.7	712.7	578.0	451.3	382.2	344.5	326.7	315.7	316.1
17.5°	882.2	876.3	827.6	673.3	503.0	380.1	328.8	300.4	284.8	274.2	273.3
20°	935.6	925.9	839.4	626.3	433.9	335.2	292.8	269.1	257.2	247.9	246.2
22.5°	1010.2	996.2	853.8	575.4	385.2	304.2	266.1	248.7	239.0	228.4	226.7
25°	1102.6	1086.1	871.6	528.4	351.7	277.6	246.6	232.2	220.8	208.5	207.2
27.5°	1231.8	1202.2	892.8	489.8	322.9	254.7	228.8	212.7	199.6	189.4	187.3
30°	1375.9	1327.2	911.5	466.5	296.6	233.5	205.5	189.4	177.1	169.9	168.7
32.5°	1512.3	1446.2	923.8	456.4	272.9	209.3	180.1	162.7	153.4	151.3	152.5
35°	1641.2	1553.9	922.5	446.6	251.7	185.2	155.1	137.3	130.1	131.4	131.4
37.5°	1789.5	1668.7	913.6	431.4	234.3	163.1	133.5	117.8	111.4	111.9	113.6
40°	1961.9	1801.3	908.1	402.6	215.3	142.8	115.7	103.0	98.3	96.6	96.2
42.5°	2145.8	1929.7	908.9	369.9	191.5	124.6	103.4	92.8	88.6	87.3	86.9
45°	2330.6	2052.2	910.2	336.0	166.5	110.6	94.5	85.6	83.1	81.4	81.4
47.5°	2504.3	2156.4	886.5	299.6	142.0	100.0	87.3	81.4	79.2	77.1	77.1
50°	2666.2	2225.9	829.3	257.2	122.5	91.5	81.8	77.5	75.4	73.3	73.3
52.5°	2792.1	2237.0	734.8	213.6	108.9	85.2	78.4	74.6	72.0	69.9	69.5
55°	2848.0	2167.9	600.4	172.9	98.3	79.7	75.0	71.2	68.2	66.1	65.7
57.5°	2833.6	2022.5	468.2	139.0	88.1	74.2	70.8	68.2	64.8	61.4	61.0
60°	2762.8	1828.0	353.0	115.7	78.8	68.2	66.1	64.0	59.3	54.2	53.4
62.5°	2640.4	1583.5	251.7	95.8	68.6	61.4	60.6	58.9	52.1	42.8	42.0
65°	*2453.1*	*1286.5*	*169.5*	*79.7*	*58.9*	*53.8*	*54.2*	*51.3*	*42.4*	*31.8*	*30.9*
67.5°	2179.3	940.7	108.5	65.3	49.2	44.9	45.3	43.6	36.0	27.1	25.8
70°	1830.6	622.9	70.8	49.6	39.4	34.7	37.3	37.7	30.5	22.0	21.2
72.5°	1342.0	367.8	49.6	36.9	28.8	24.2	30.5	31.4	24.6	16.5	15.7
75°	764.9	174.6	37.3	26.7	17.8	16.9	23.7	23.7	16.9	11.0	10.2
77.5°	321.2	72.9	26.3	17.4	10.2	9.7	16.1	14.8	8.5	5.1	5.1
80°	92.8	32.6	14.0	8.5	4.2	3.8	6.4	4.7	2.1	0.8	0.8
82.5°	36.4	14.4	5.5	3.4	1.7	1.7	0.8	0.0	0.0	0.0	0.0
85°	21.6	5.9	2.5	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.5	1.3	0.8	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

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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

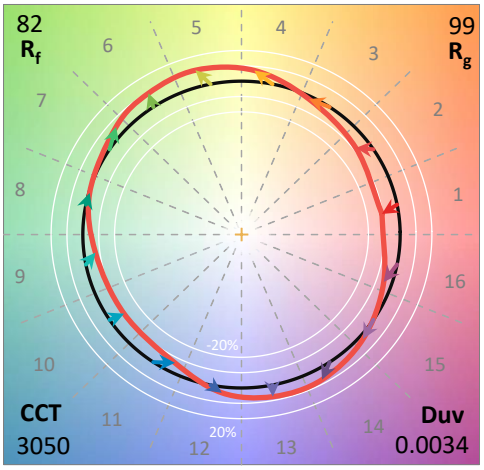
Test Information

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

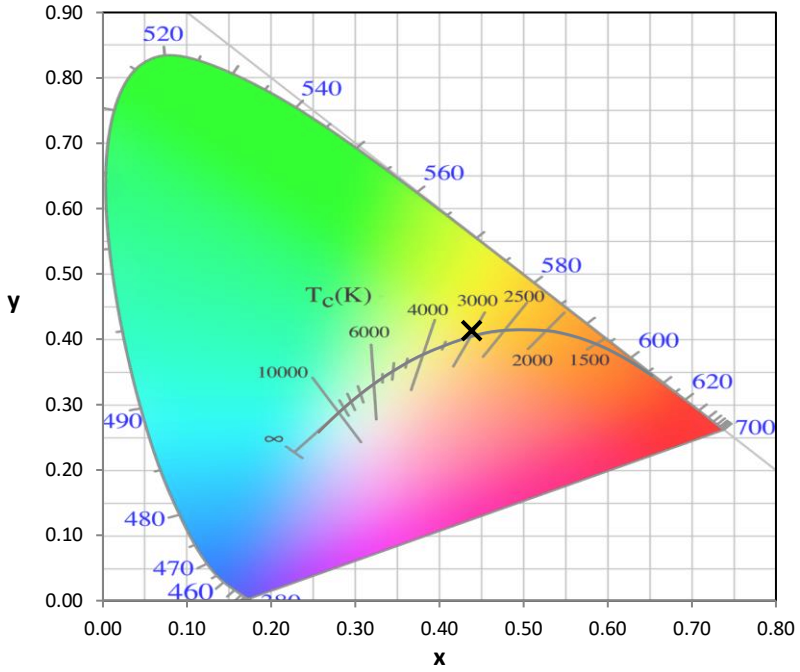
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

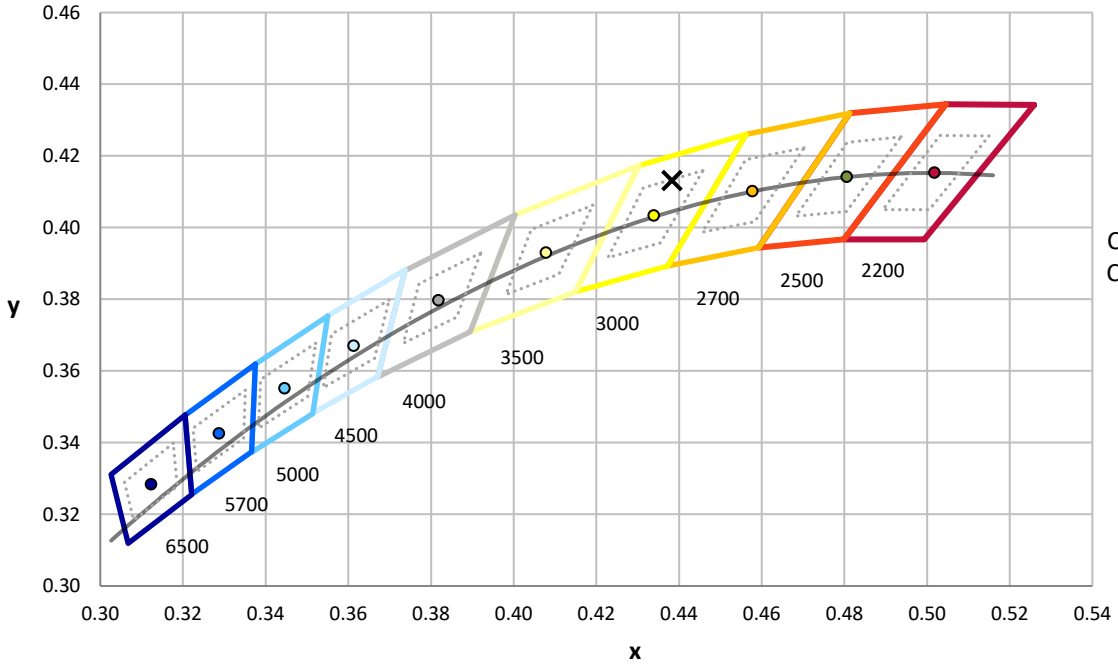
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

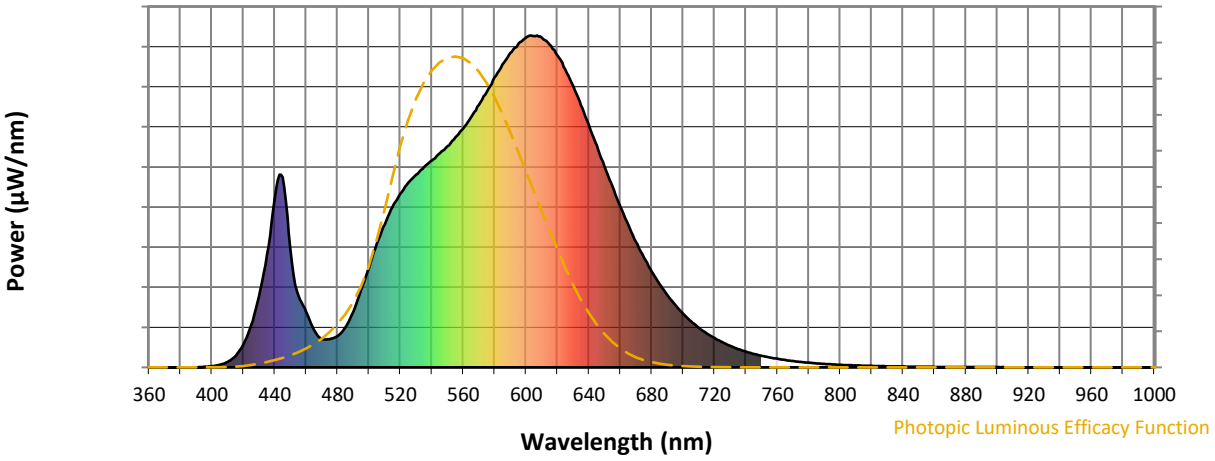


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

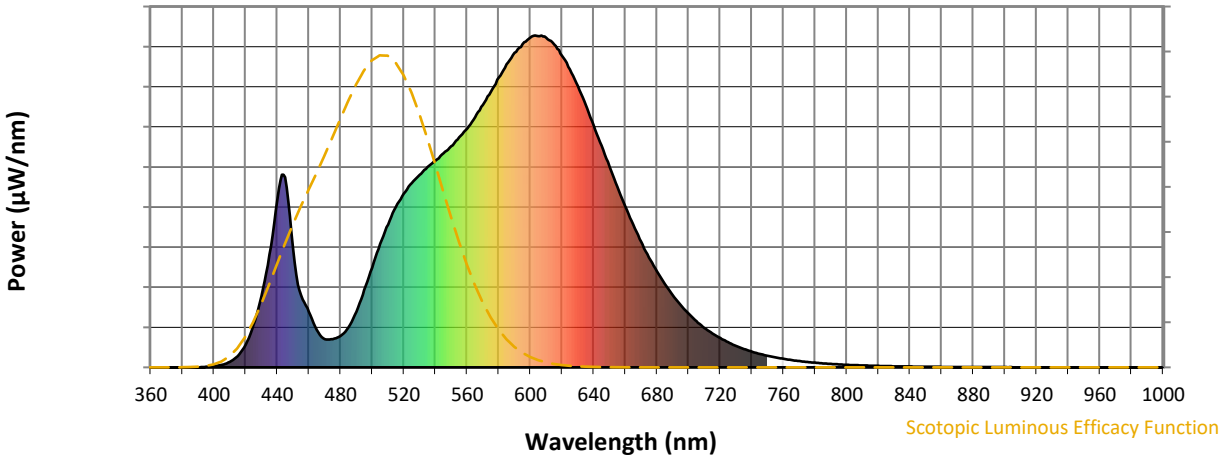


Photopic Lumens: NR

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

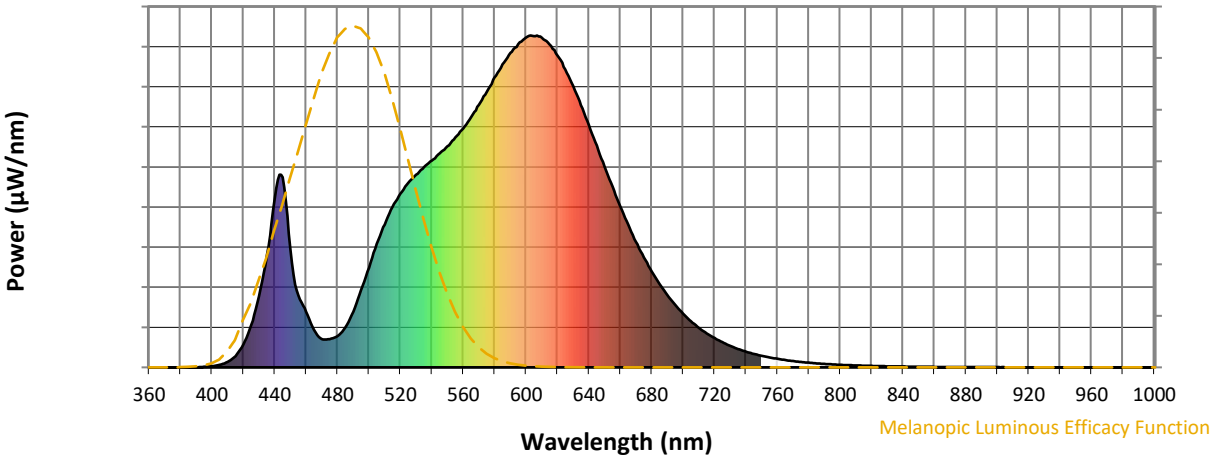


Scotopic Lumens: NR **S/P: 1.27**

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			

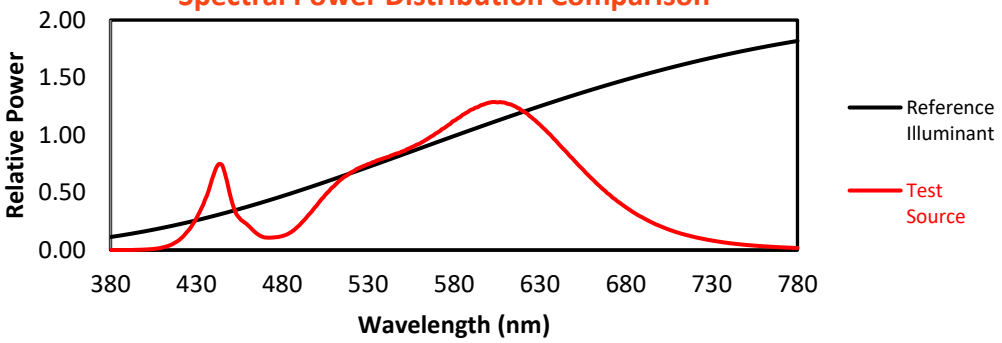
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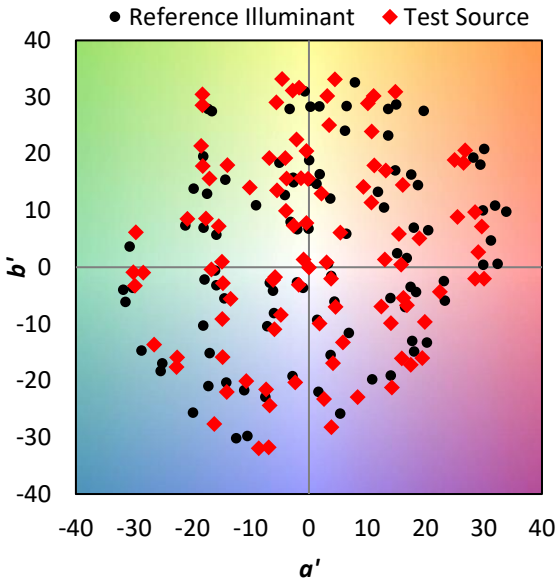
Summary

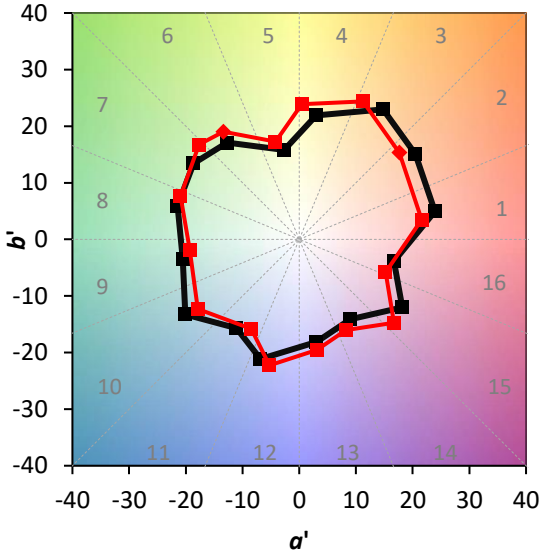
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

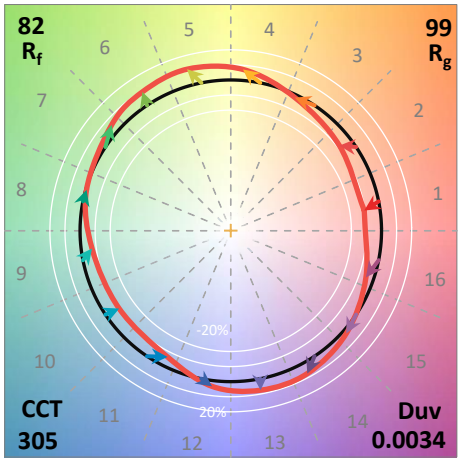
Spectral Power Distribution Comparison

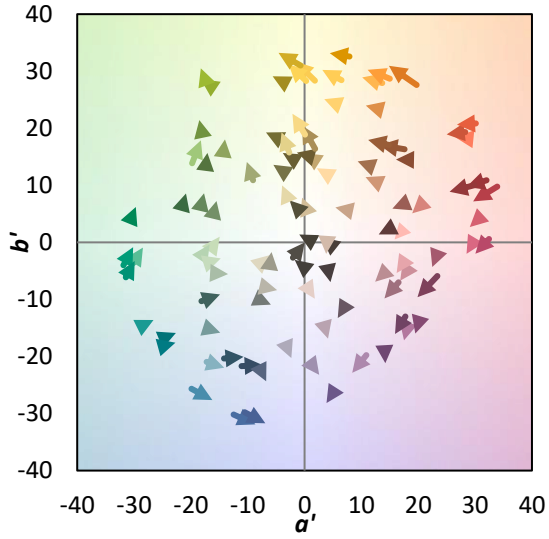


Color Vector Graphics







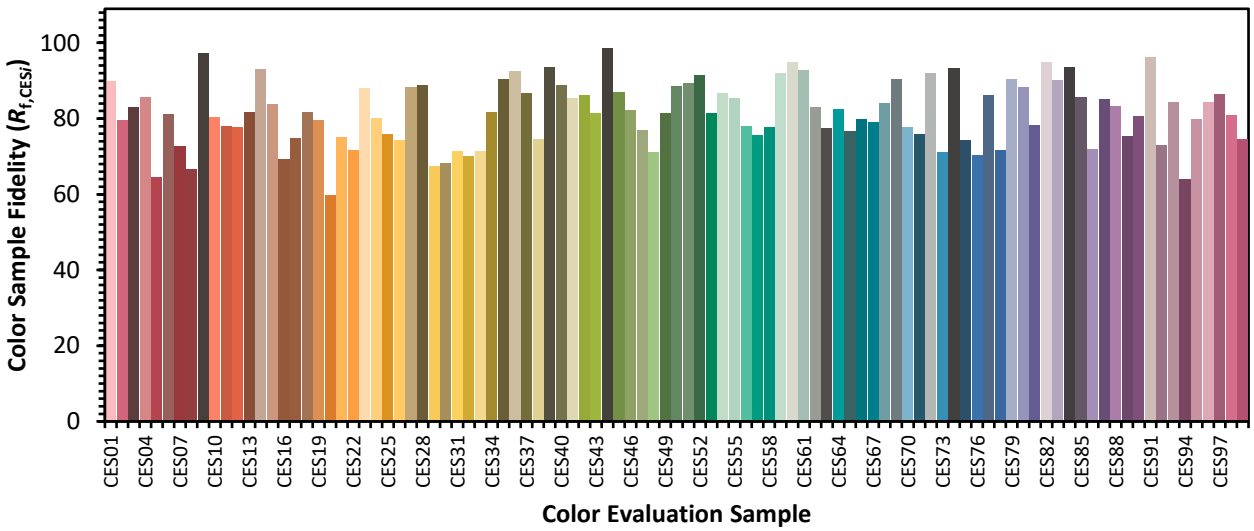


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Individual Sample Fidelity Index ($R_{f,i}$)

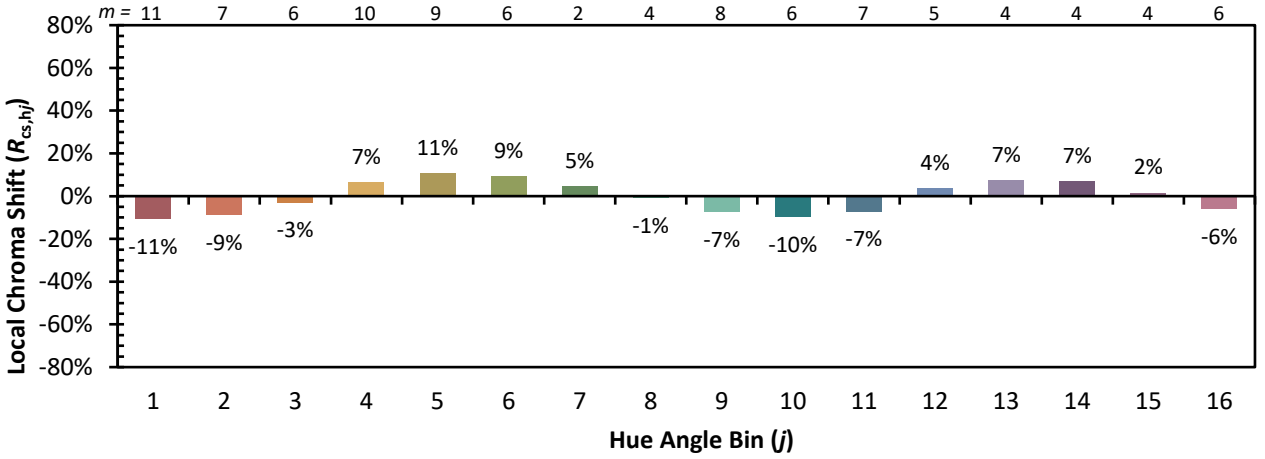
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CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57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

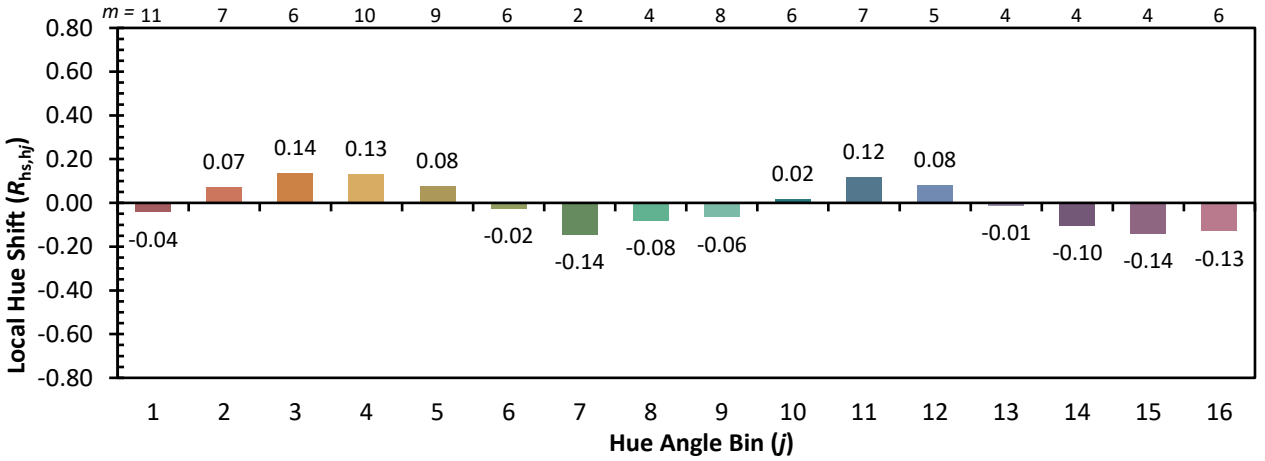


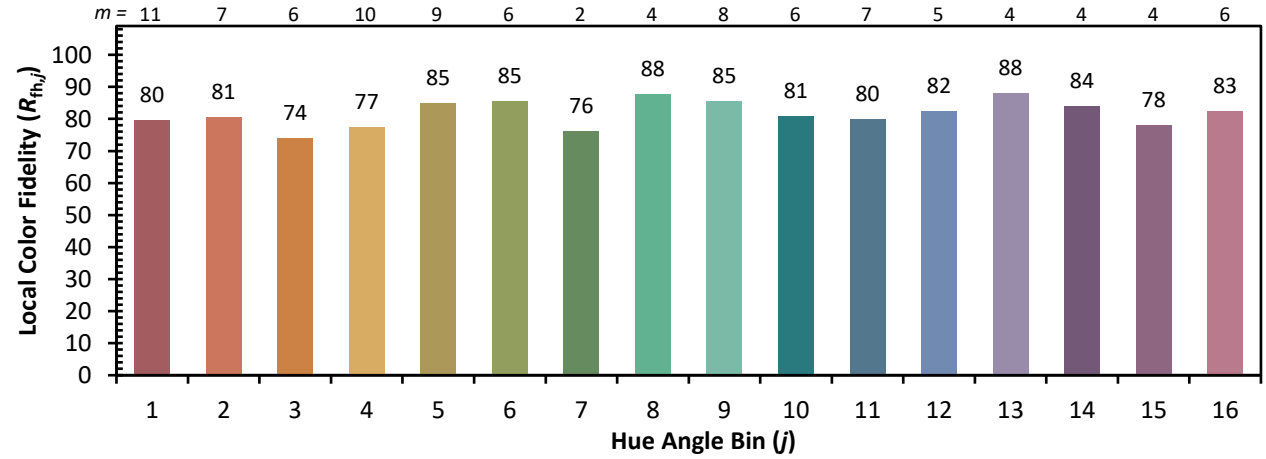
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Color Rendition by Hue-Angle Bin



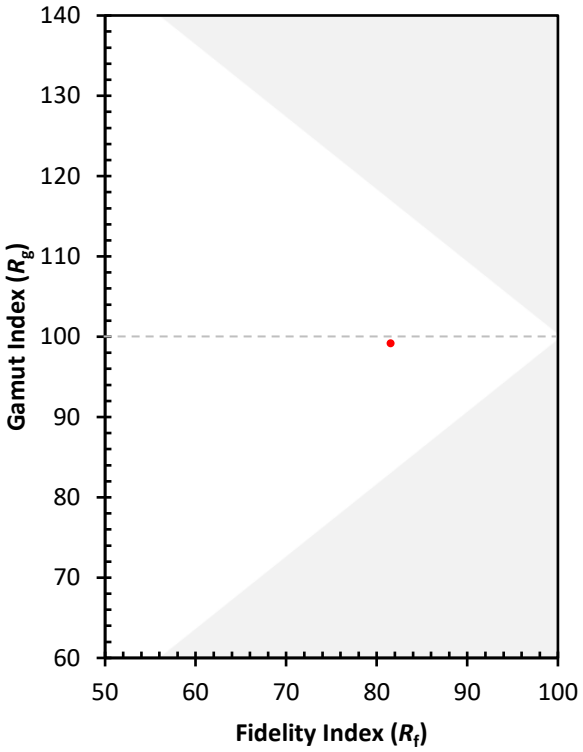


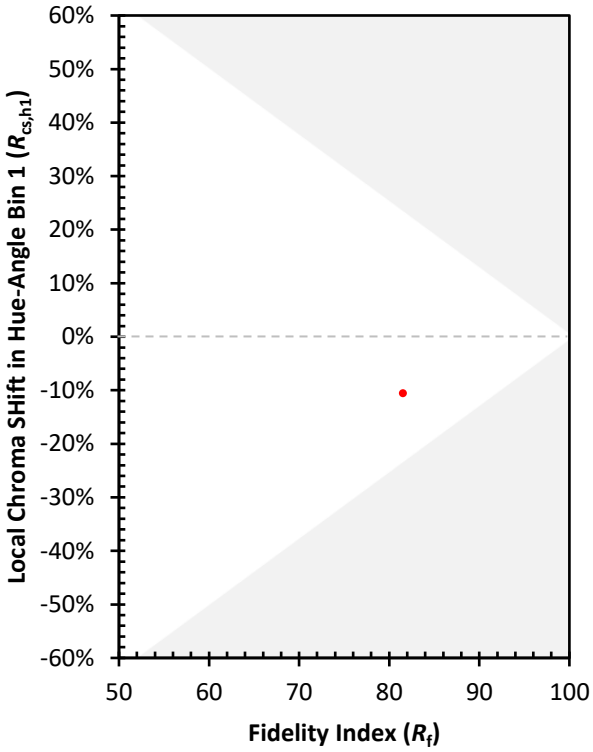


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Measure Comparisons





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