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: P1202744

Luminaire Tested: GWC-SB2A-830-U-T2-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:	P1202744
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-830-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5885 lumens
Efficiency:	N/A
Efficacy:	102.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

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

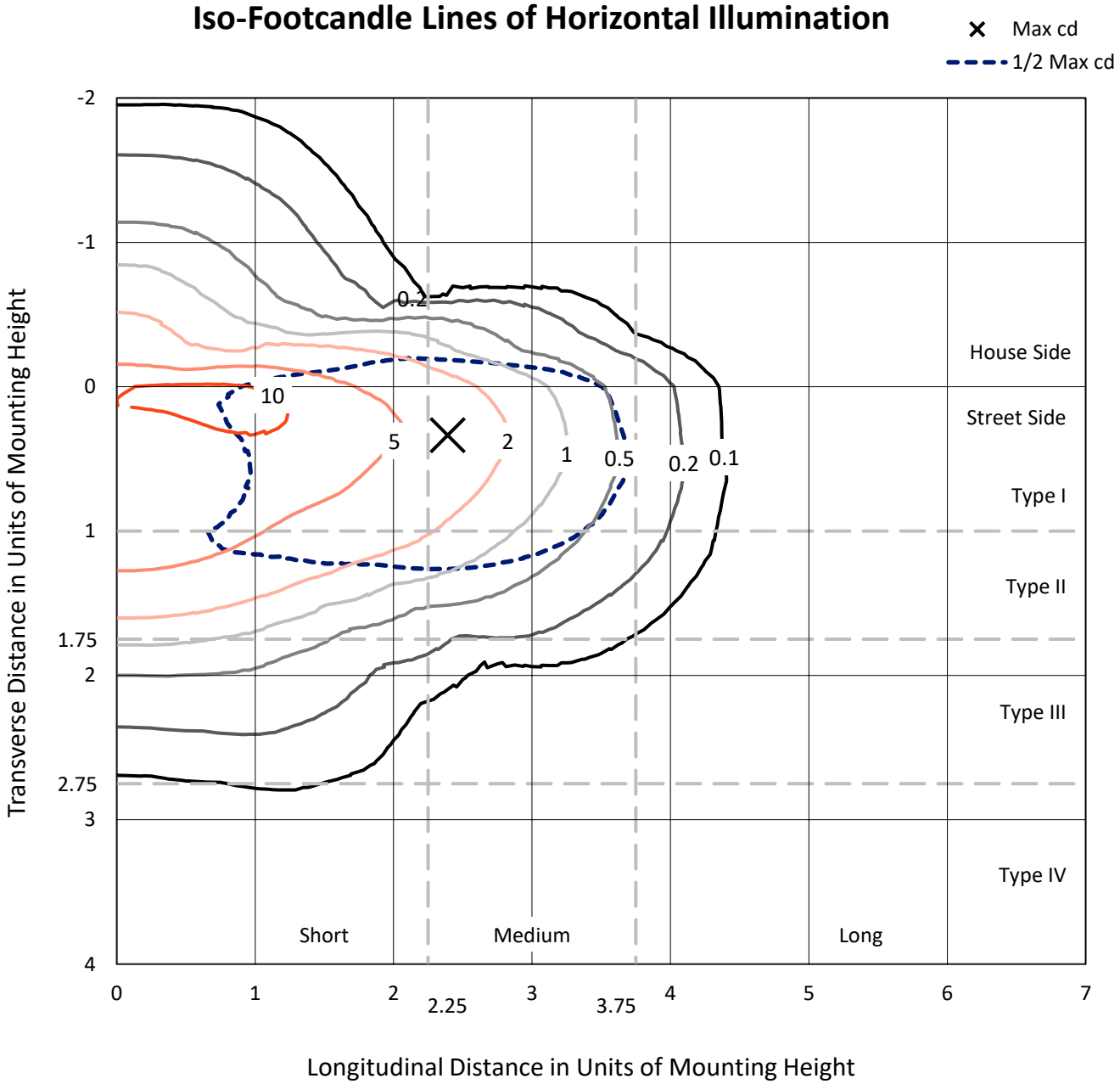


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Scaled Data Report

REPORT NUMBER: P1202744
CATALOG NUMBER: GWC-SB2A-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



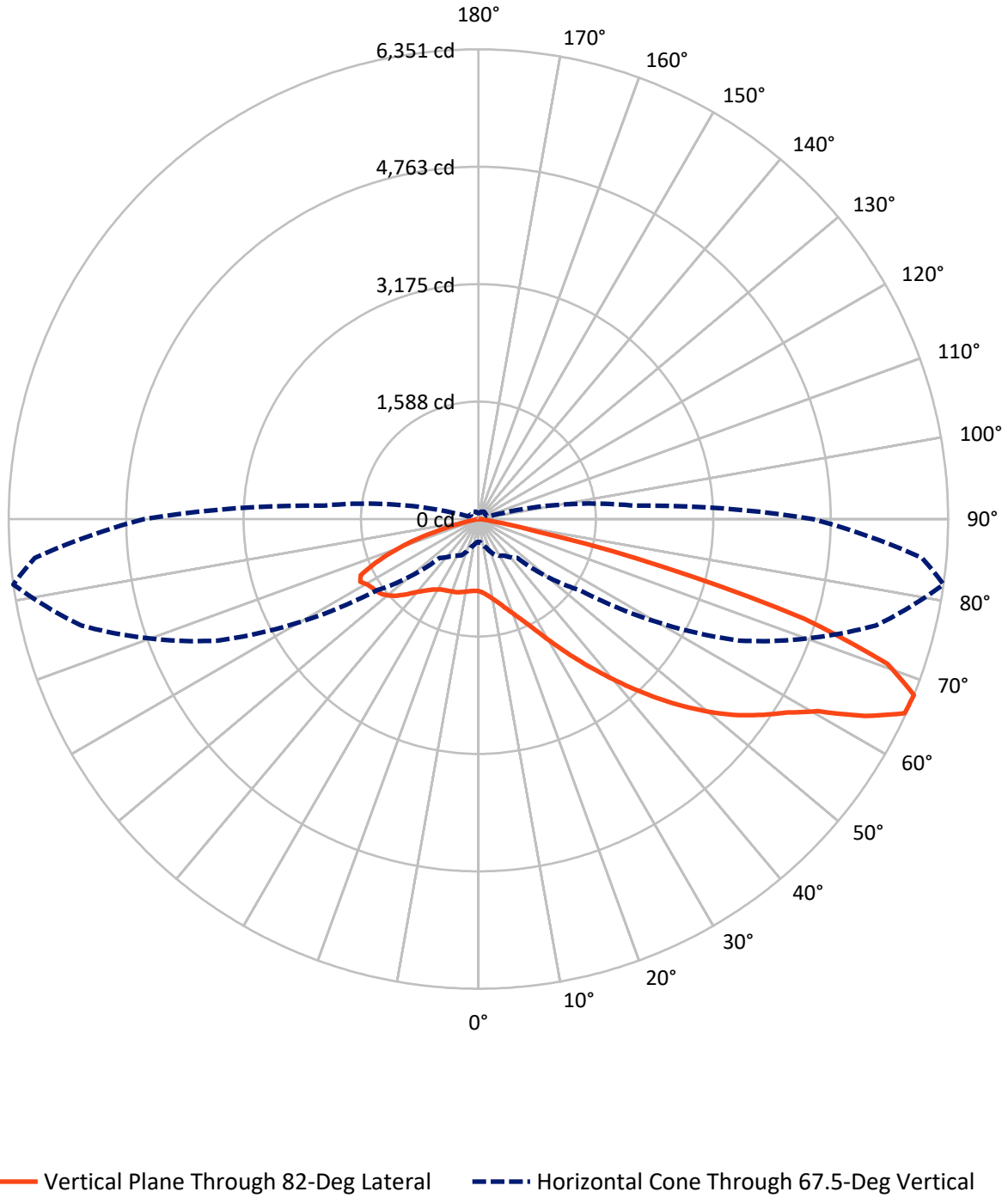
Based on 10 foot mounting height. Maximum calculated value = 13.6 fc
Type II - Medium - N/A

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REPORT NUMBER: P1202744
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Luminous Intensity Polar Plot



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Scaled Data Report

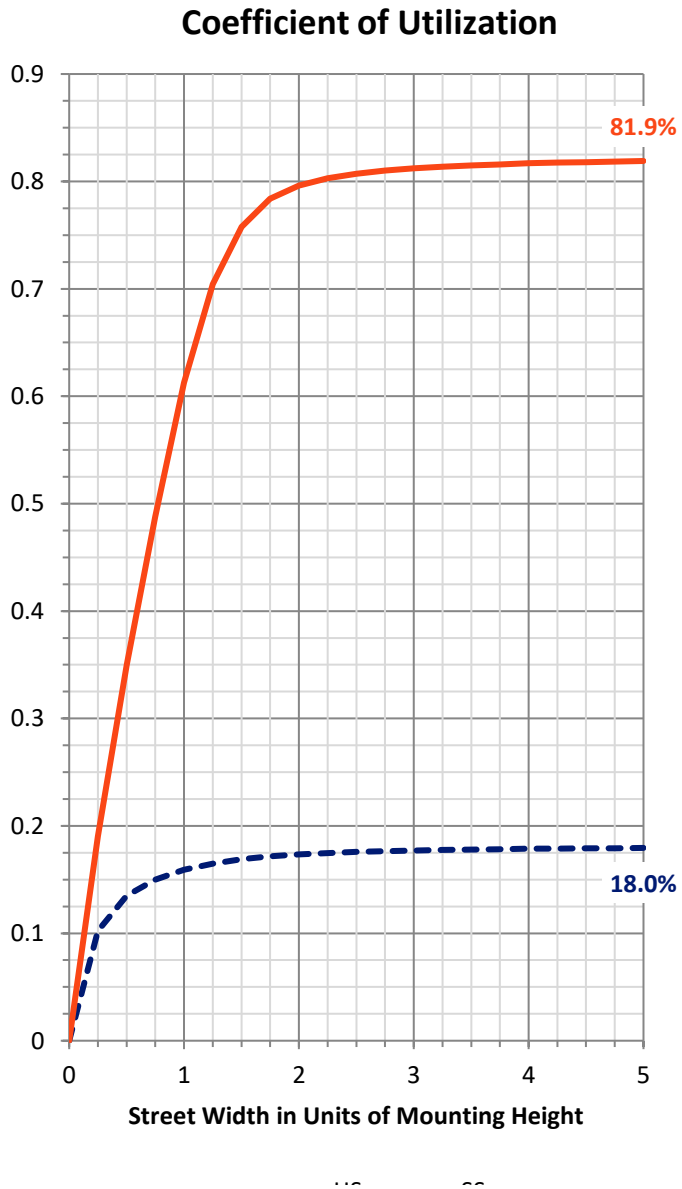
REPORT NUMBER: P1202744
CATALOG NUMBER: GWC-SB2A-830-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1066.0	0.0	1066.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4819.0	0.0	4819.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	5885.0	0.0	5885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	1.5
10°-20°	225.7	3.8
20°-30°	361.5	6.1
30°-40°	639.3	10.9
40°-50°	1120.1	19.0
50°-60°	1493.9	25.4
60°-70°	1390.7	23.6
70°-80°	533.8	9.1
80°-90°	33.2	0.6
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°	5885.0	100.0
0°-180°	5885.0	100.0



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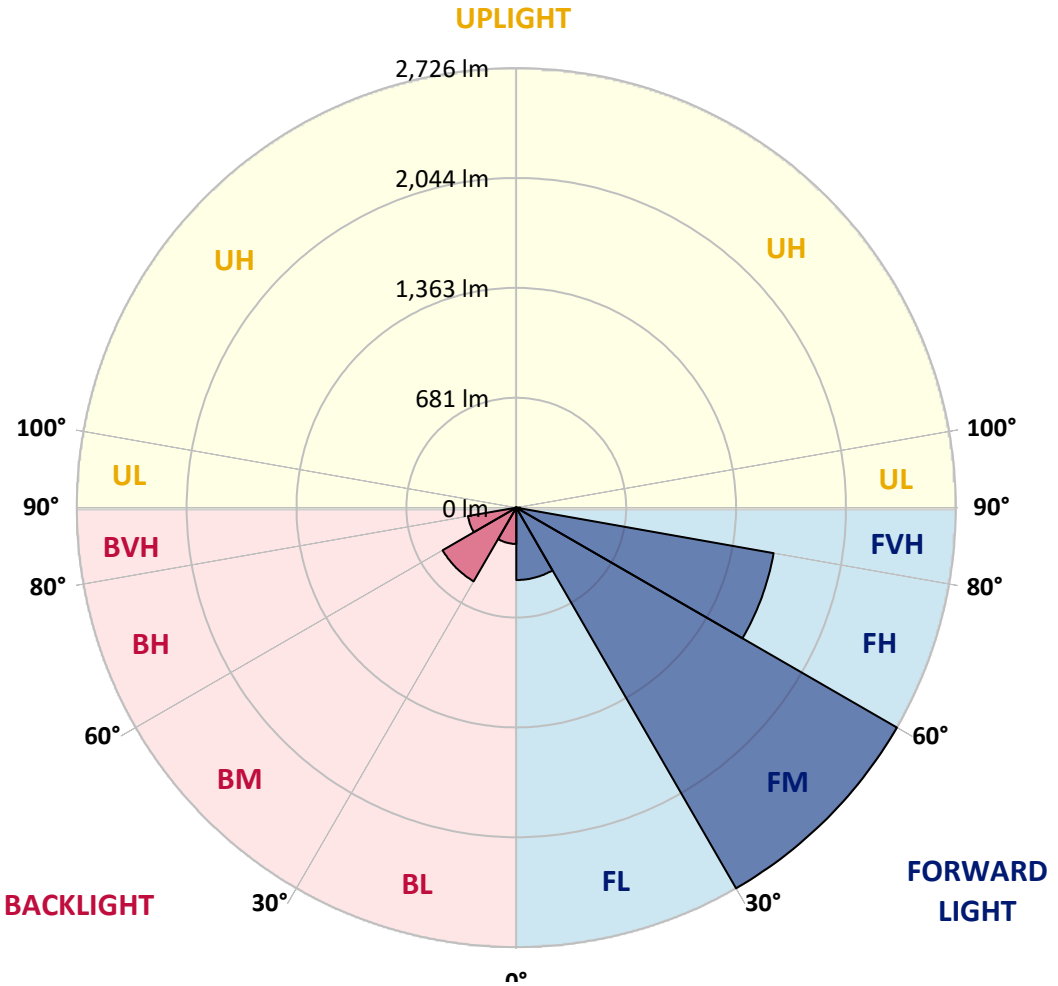
Scaled Data Report

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CATALOG NUMBER: GWC-SB2A-830-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	449.0	7.6			
FM	(30°-60°)	2725.7	46.3			
FH	(60°-80°)	1620.2	27.5			G1/1800
FVH	(80°-90°)	24.1	0.4			G1/100
BL	(0°-30°)	225.1	3.8	B1/500		
BM	(30°-60°)	527.6	9.0	B1/1000		
BH	(60°-80°)	304.3	5.2	B1/500		G1/500
BVH	(80°-90°)	9.1	0.2			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 II Medium



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Scaled Data Report

REPORT NUMBER: P1202744
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	974.9	974.9	974.9	974.9	974.9	974.9	974.9	974.9	974.9	*974.9*	974.9
2.5°	1030.5	1036.4	1033.0	1031.3	1028.3	1024.1	1020.7	1010.1	999.1	*991.9*	989.4
5°	1051.2	1057.1	1056.7	1058.4	1060.5	1061.8	1061.0	1049.1	1033.4	*1021.1*	1013.9
7.5°	1033.4	1040.2	1045.7	1054.2	1069.0	1084.7	1092.3	1089.8	1073.7	*1056.7*	1047.8
10°	983.0	990.2	1003.3	1023.2	1054.6	1088.5	1116.9	1130.0	1119.9	*1101.2*	1088.9
12.5°	890.6	897.8	923.7	966.9	1019.4	1078.3	1132.6	1167.7	1170.3	*1151.6*	1137.2
15°	786.8	794.0	821.6	875.8	955.9	1050.4	1141.0	1207.6	1230.0	*1213.9*	1196.5
17.5°	722.4	728.8	749.5	793.2	876.6	994.4	1138.1	1249.9	1301.2	*1288.5*	1267.7
20°	702.9	708.4	718.2	748.7	818.2	936.4	1118.6	1289.8	1377.9	*1370.7*	1347.4
22.5°	723.7	728.8	731.7	745.3	788.9	898.3	1094.0	1330.4	1466.9	*1467.7*	1439.3
25°	771.6	776.7	773.3	781.7	800.8	886.4	1084.7	1378.3	1578.7	*1588.0*	1555.8
27.5°	850.4	850.8	842.7	842.3	845.3	904.2	1094.4	1429.6	1719.8	*1737.2*	1697.4
30°	1008.4	1002.1	971.1	937.7	922.4	957.6	1121.5	1490.2	1886.3	*1917.3*	1867.3
32.5°	1252.0	1242.7	1186.0	1105.9	1025.4	1043.6	1170.3	1559.2	2067.7	*2123.6*	2062.6
35°	1516.4	1513.9	1454.6	1335.5	1194.8	1166.0	1249.5	1649.9	2265.6	*2354.5*	2282.1
37.5°	1762.2	1760.9	1727.0	1586.8	1415.6	1336.8	1376.6	1768.5	2477.4	*2606.2*	2520.6
40°	1986.8	1990.6	1956.7	1831.3	1658.8	1555.8	1549.5	1915.1	2713.0	*2880.3*	2778.7
42.5°	2180.8	2185.0	2150.7	2057.9	1899.0	1798.2	1761.8	2094.8	2943.1	*3174.8*	3054.5
45°	2312.6	2338.9	2333.8	2259.6	2145.6	2041.0	2016.8	2320.2	3205.3	*3487.1*	3346.0
47.5°	2349.9	2374.0	2412.2	2422.3	2352.8	2249.9	2278.7	2591.8	3470.6	*3799.8*	3639.2
50°	2257.9	2280.4	2359.6	2465.1	2513.4	2481.6	2533.3	2882.9	3742.2	*4111.6*	3926.9
52.5°	2076.6	2099.5	2199.5	2366.4	2563.4	2663.4	2788.8	3169.7	4005.3	*4407.0*	4199.3
55°	1814.3	1838.5	1966.8	2155.8	2468.1	2738.4	3002.0	3456.2	4246.4	*4672.6*	4445.1
57.5°	1457.5	1475.3	1608.8	1873.2	2228.3	2663.8	3159.1	3768.9	4473.5	*4933.6*	4688.7
60°	949.9	965.6	1120.7	1415.6	1830.8	2414.7	3190.5	4117.6	4775.2	*5273.0*	5017.1
62.5°	631.7	642.3	734.3	950.8	1289.3	1936.3	3007.0	4395.9	5217.5	*5863.7*	5580.2
65°	433.5	444.0	536.0	686.8	833.0	1280.9	2479.5	4359.1	5618.3	*6332.7*	5997.5
67.5°	*309.3*	*318.2*	*396.2*	*538.5*	*602.9*	*744.0*	*1680.8*	*3887.9*	*5560.7*	*6350.5*	*6020.0*
70°	221.6	226.7	291.1	419.5	479.2	447.0	934.7	2973.6	4868.8	*5864.1*	5561.6
72.5°	155.1	156.8	202.1	319.5	386.0	326.3	444.9	1982.5	3682.4	*4602.7*	4311.6
75°	105.1	107.2	136.0	234.3	309.7	249.1	235.6	1063.1	2161.7	*2547.7*	2283.8
77.5°	64.4	65.3	87.7	160.2	231.8	189.8	151.7	450.4	836.4	*821.1*	700.0
80°	36.4	36.4	55.9	99.6	158.0	122.5	106.3	191.5	264.8	*232.6*	205.1
82.5°	20.3	20.8	40.7	61.9	104.7	72.5	58.5	88.6	114.4	*101.3*	88.1
85°	8.5	9.3	25.0	29.2	50.0	36.0	23.7	37.3	42.4	*37.7*	27.5
87.5°	0.8	1.3	7.6	5.5	5.9	7.2	3.4	7.2	5.9	*5.9*	4.2
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: P1202744
CATALOG NUMBER: GWC-SB2A-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	974.9	974.9	974.9	974.9	974.9	974.9	974.9	974.9	974.9	974.9	974.9
2.5°	981.3	974.9	958.8	940.2	915.6	903.8	887.7	876.6	867.3	868.2	859.7
5°	1000.4	984.3	948.3	903.3	847.4	807.6	765.2	736.0	712.2	707.2	695.7
7.5°	1026.6	1001.2	938.1	857.2	762.7	691.1	627.1	586.0	556.7	547.4	538.1
10°	1060.5	1023.7	924.9	799.1	663.1	572.0	503.4	471.2	451.2	444.5	439.4
12.5°	1099.9	1049.5	907.6	728.3	560.6	472.9	429.2	413.1	406.8	404.6	403.4
15°	1149.5	1081.7	881.3	644.5	473.7	412.3	393.6	391.5	392.4	391.5	391.1
17.5°	1208.4	1116.9	838.5	558.0	415.2	381.3	374.6	376.3	378.4	377.9	377.1
20°	1272.8	1151.6	783.9	481.3	375.4	359.3	355.5	357.2	358.9	358.0	357.6
22.5°	1346.1	1188.9	723.3	421.6	348.7	339.0	334.7	335.2	335.2	333.5	332.6
25°	1433.8	1230.0	659.7	379.2	328.4	320.7	315.7	314.0	311.4	306.3	305.5
27.5°	1538.5	1273.7	598.7	349.6	312.3	305.1	299.1	294.9	288.5	280.1	279.2
30°	1656.3	1326.6	547.0	330.9	299.6	292.4	285.6	279.2	269.9	259.3	258.5
32.5°	1794.8	1383.4	509.3	318.6	288.1	280.5	272.4	264.8	254.6	244.1	244.5
35°	1960.1	1452.0	487.3	310.2	279.2	269.1	260.2	251.7	244.1	234.7	233.9
37.5°	2139.3	1524.9	480.5	305.9	273.3	257.6	247.4	241.5	240.7	235.2	234.7
40°	2335.5	1611.4	485.6	303.4	266.9	246.6	235.6	234.3	236.4	226.7	227.1
42.5°	2543.1	1713.9	494.0	300.4	258.0	235.6	225.0	225.0	223.3	209.7	209.7
45°	2767.6	1832.1	502.5	293.2	247.4	224.6	216.5	213.5	206.3	193.2	192.8
47.5°	2993.9	1952.4	508.9	280.1	234.7	215.2	208.0	201.3	190.7	178.8	178.4
50°	3208.7	2060.5	502.1	260.6	220.3	206.3	198.7	189.4	178.0	169.9	168.6
52.5°	3400.7	2154.1	473.3	237.7	205.1	197.0	190.2	180.5	171.2	162.7	161.9
55°	3567.6	2230.0	422.4	216.1	191.5	189.0	182.2	169.9	157.2	150.0	149.1
57.5°	3727.8	2287.6	358.9	198.3	179.2	180.1	169.9	158.9	147.0	139.4	138.6
60°	3940.9	2364.7	294.5	181.8	166.1	168.6	157.6	149.6	134.7	125.0	123.7
62.5°	4281.5	2484.6	233.9	161.4	150.8	151.7	147.0	137.3	119.5	108.0	107.2
65°	4551.9	2440.5	184.3	139.4	133.5	134.7	134.7	124.1	105.1	91.9	90.7
67.5°	*4521.4*	*2089.7*	*147.0*	*117.8*	*116.9*	*117.8*	*120.8*	*111.9*	*93.2*	*82.6*	*80.9*
70°	4165.0	1662.2	117.8	97.9	101.7	99.6	108.0	102.1	83.9	73.3	72.0
72.5°	3398.5	1197.4	89.8	80.9	78.0	81.4	97.5	91.9	69.9	58.0	56.8
75°	1985.9	638.9	66.9	64.0	56.4	67.8	86.4	78.4	53.4	42.8	41.5
77.5°	646.6	222.9	49.1	47.0	41.9	54.7	73.7	66.1	43.6	33.9	32.6
80°	173.3	67.4	33.5	30.9	27.1	40.7	58.5	52.5	31.4	22.0	21.6
82.5°	69.5	28.4	19.5	17.4	14.8	28.0	46.2	42.4	23.3	14.0	14.0
85°	22.5	9.3	7.2	5.5	6.8	17.4	27.5	28.8	16.5	7.2	5.5
87.5°	3.0	1.3	1.3	1.7	1.3	3.0	8.5	8.1	4.7	0.8	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

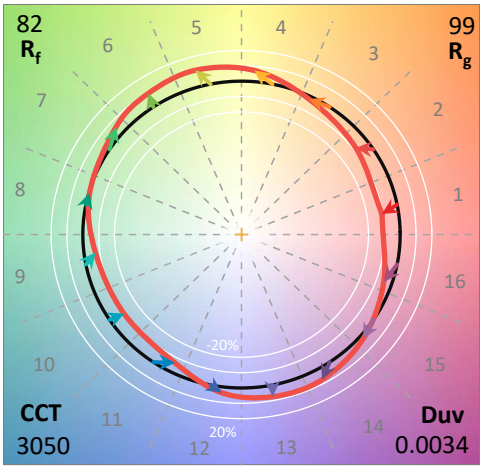
Test Information

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

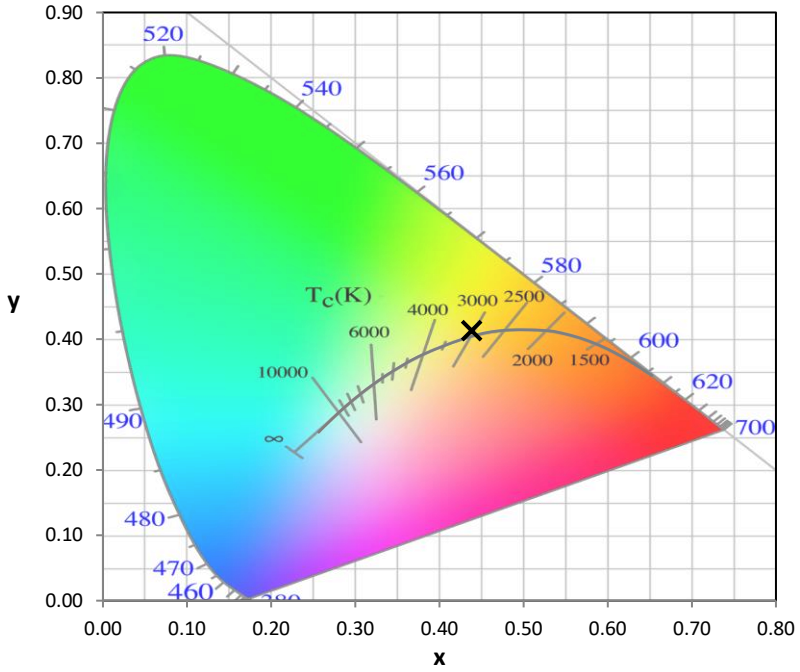
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

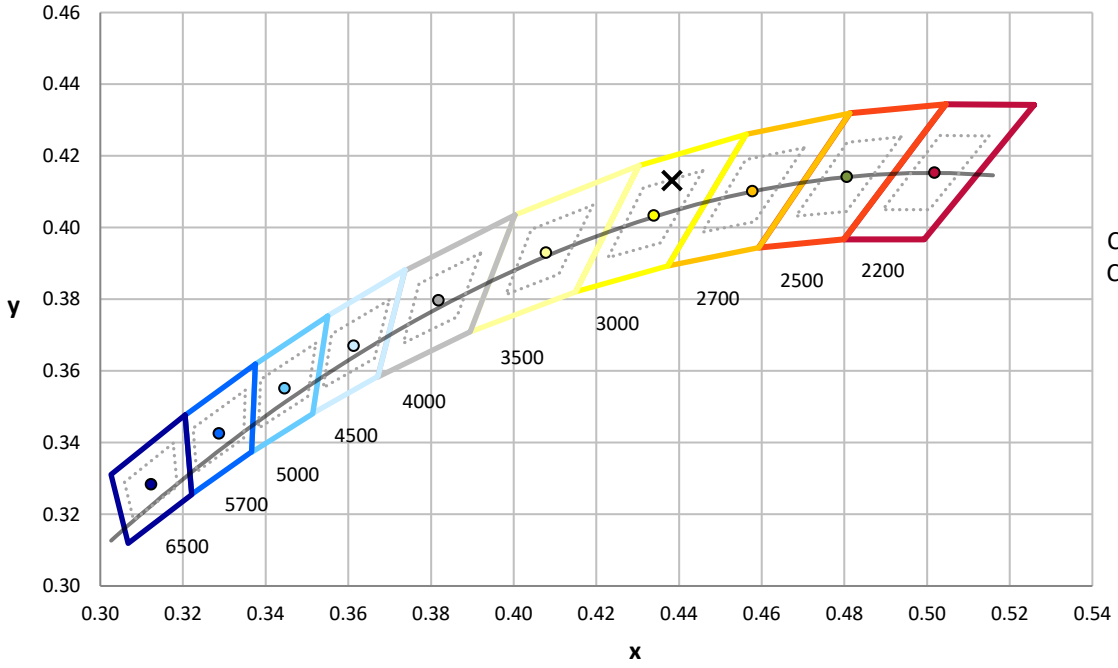
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

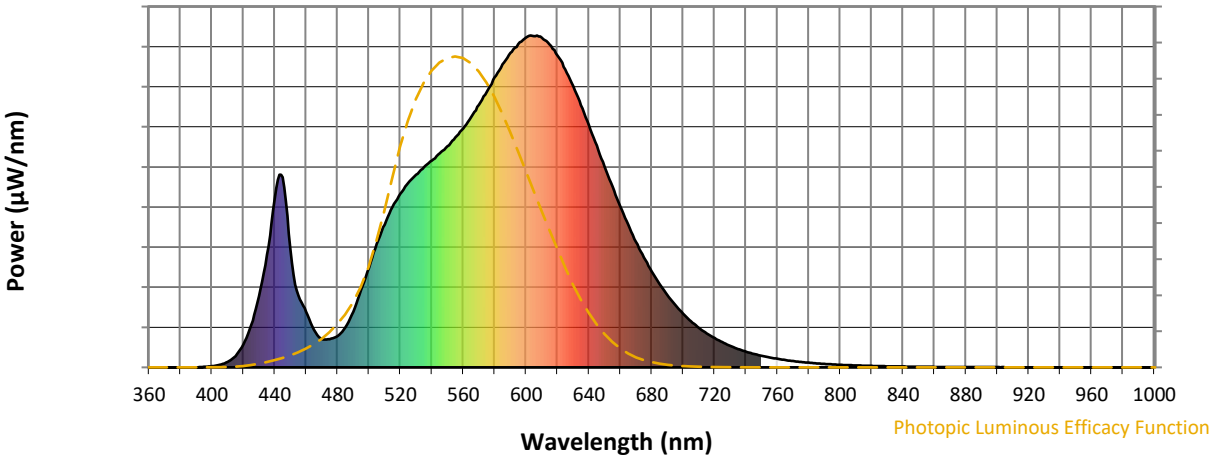


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

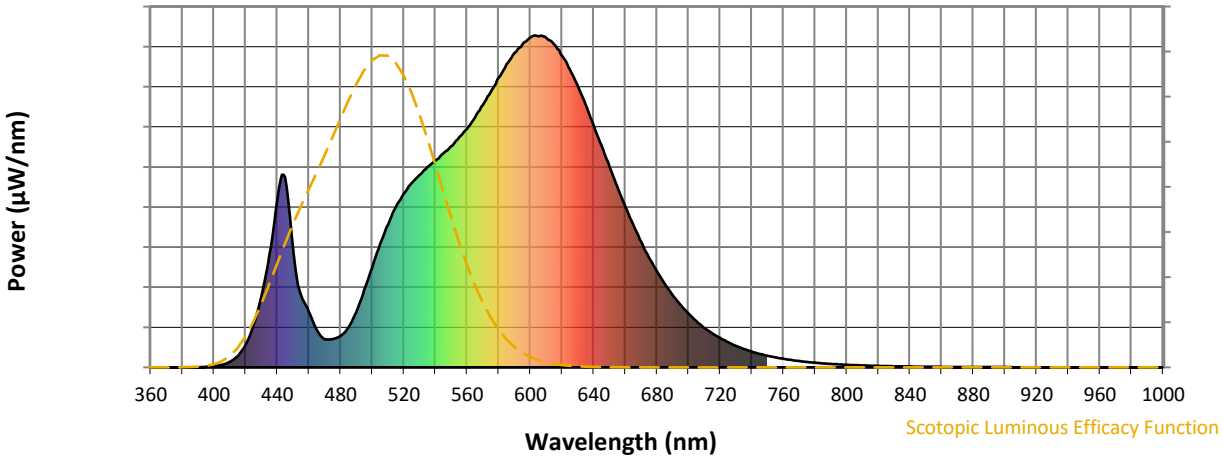


Photopic Lumens: NR

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

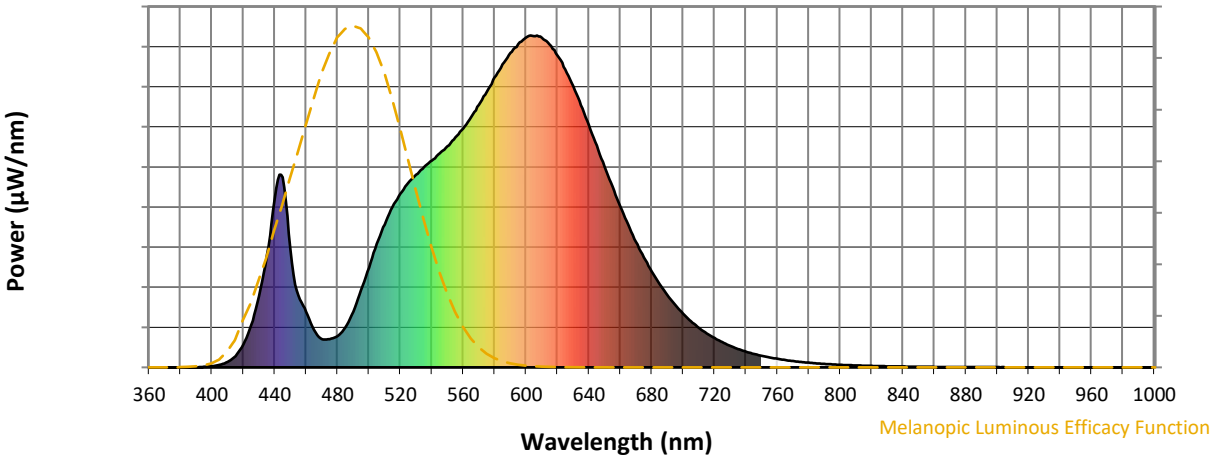


Scotopic Lumens: NR **S/P: 1.27**

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			

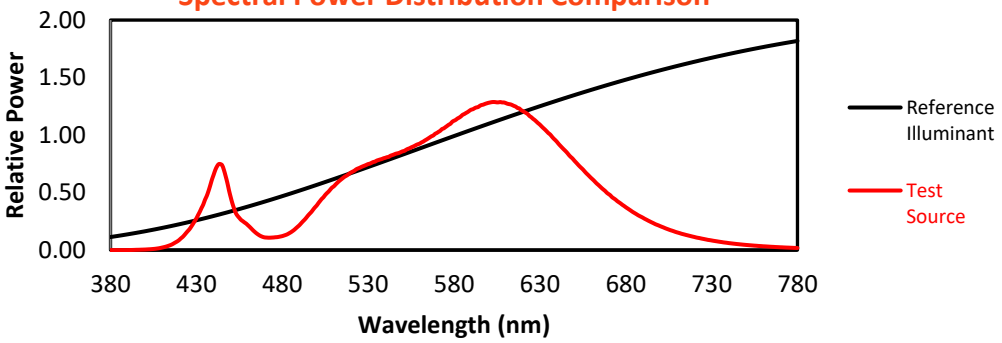
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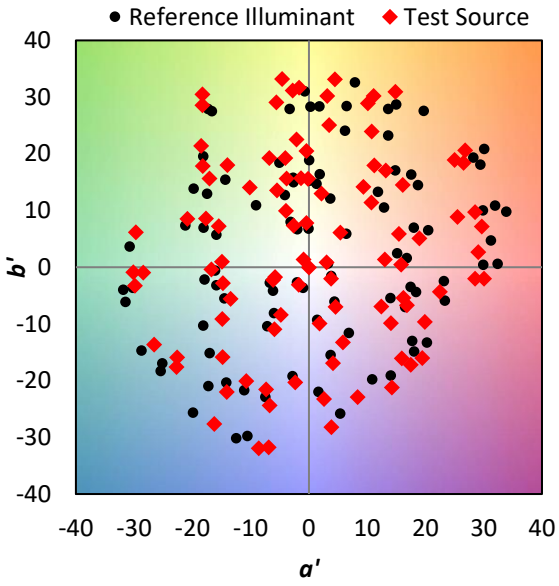
Summary

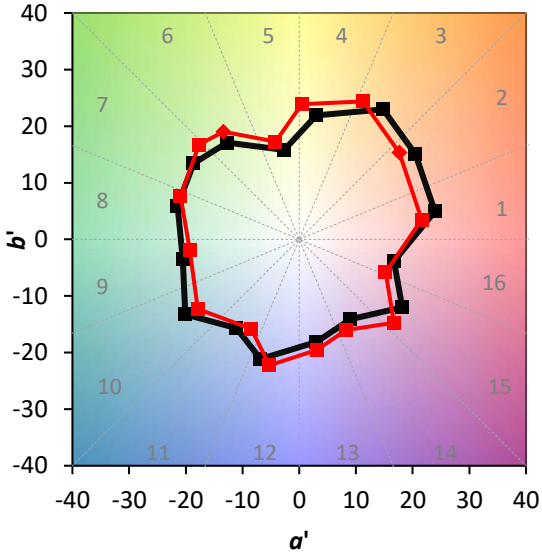
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

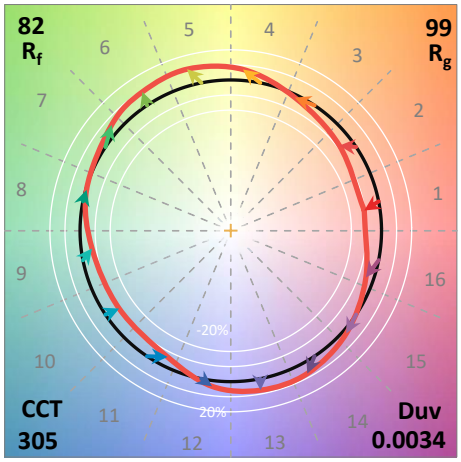
Spectral Power Distribution Comparison

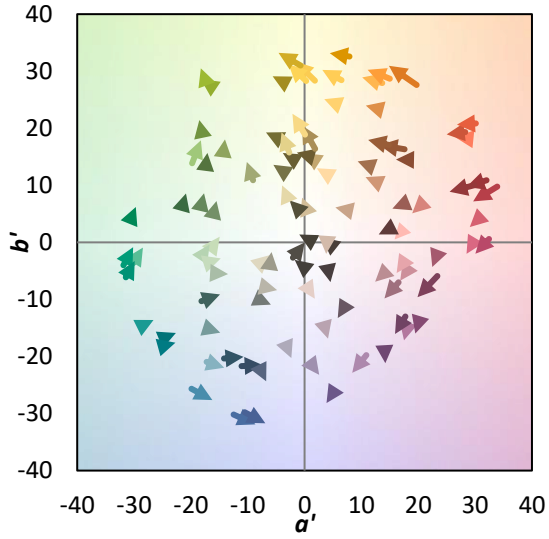


Color Vector Graphics







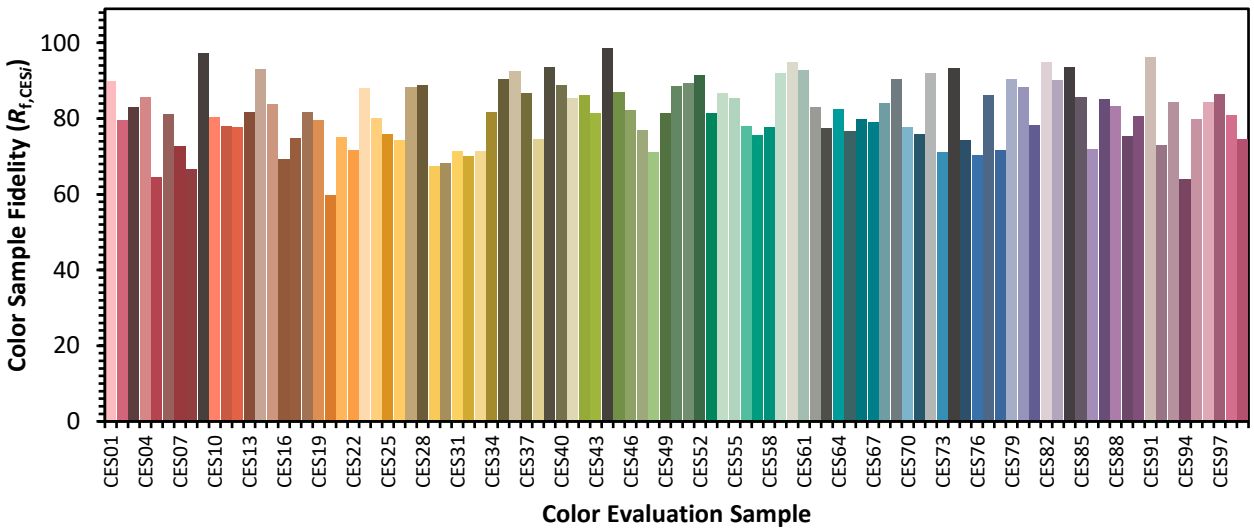


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Individual Sample Fidelity Index ($R_{f,i}$)

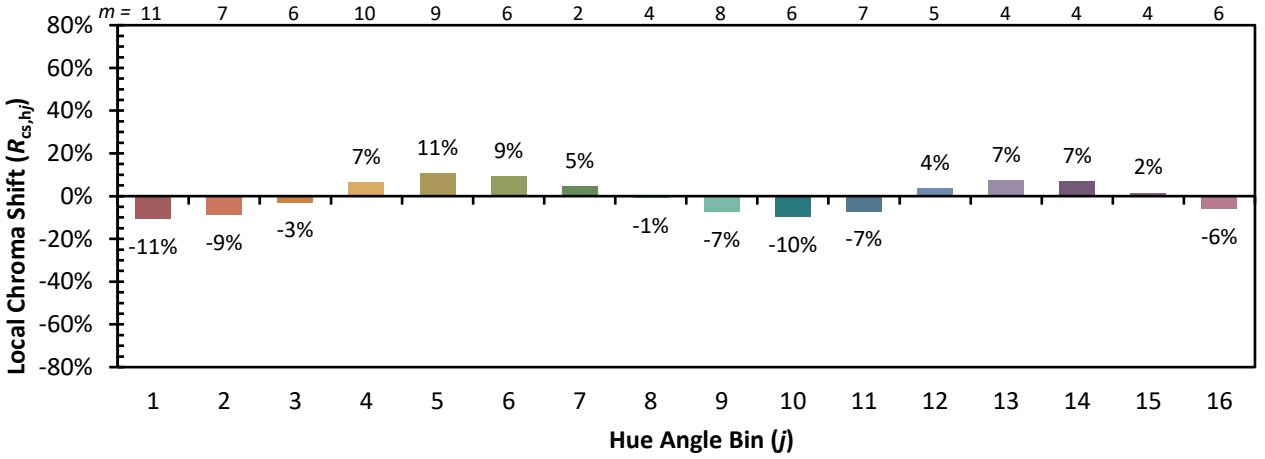
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CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57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

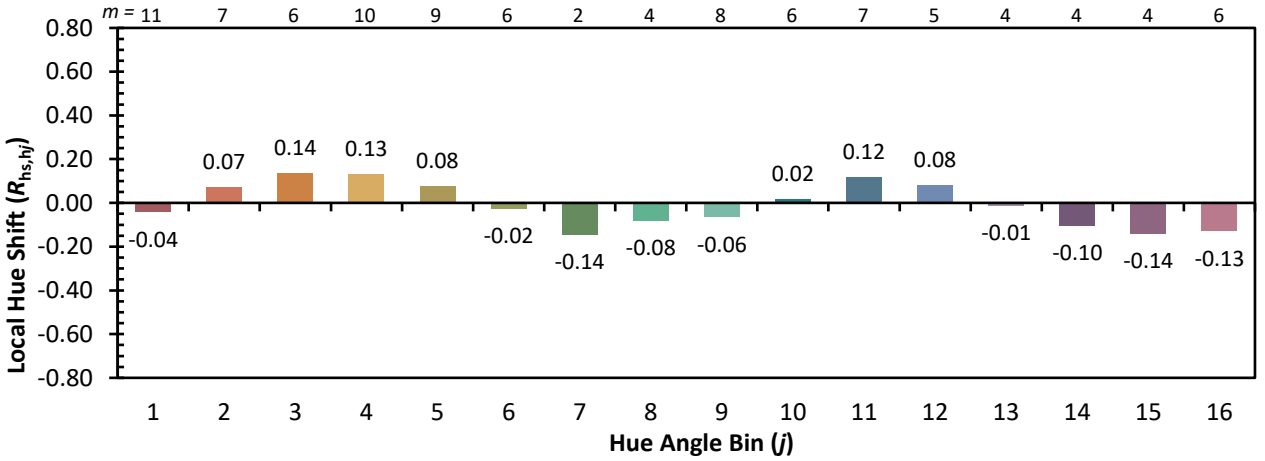


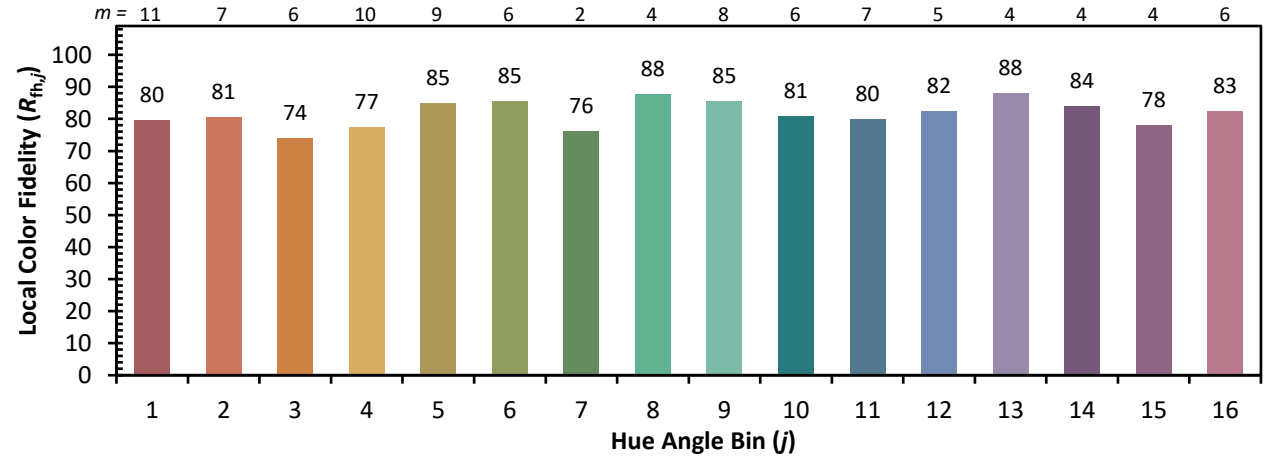
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Color Rendition by Hue-Angle Bin



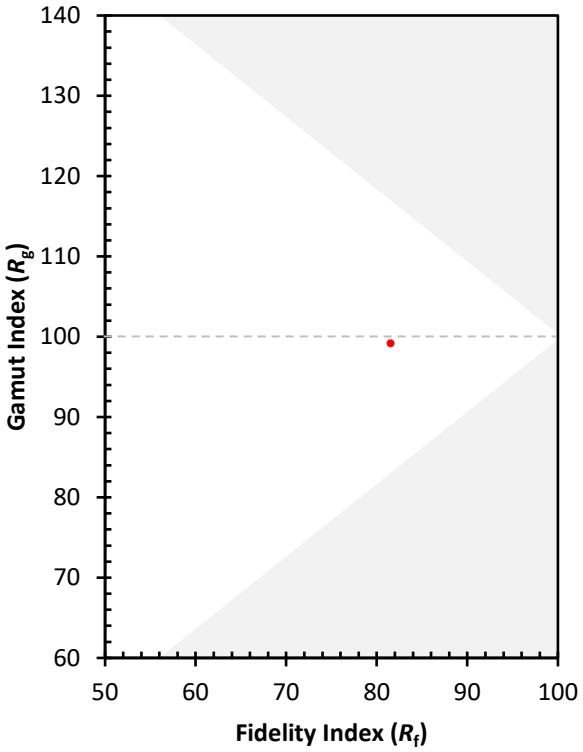


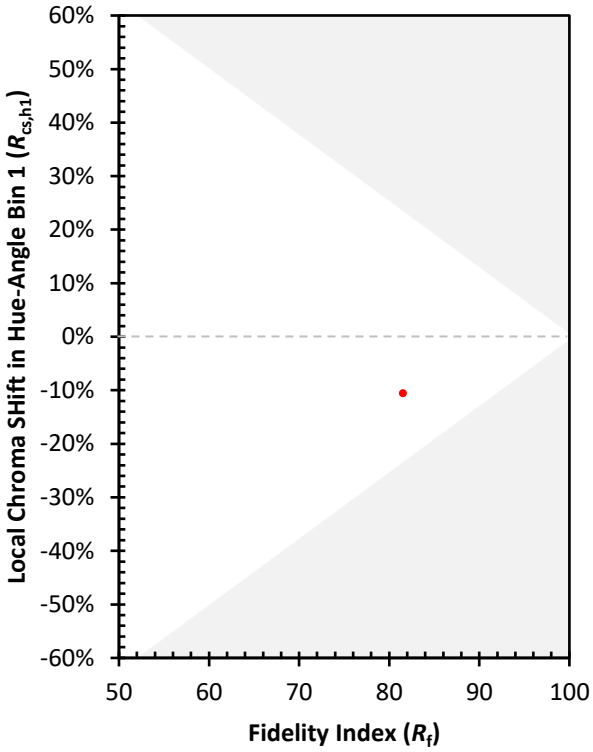


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Measure Comparisons





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