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: P1201243

Luminaire Tested: GWC-SB1A-830-U-SL4

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:	P1201243
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-SL4
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4017 lumens
Efficiency:	N/A
Efficacy:	130.0 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

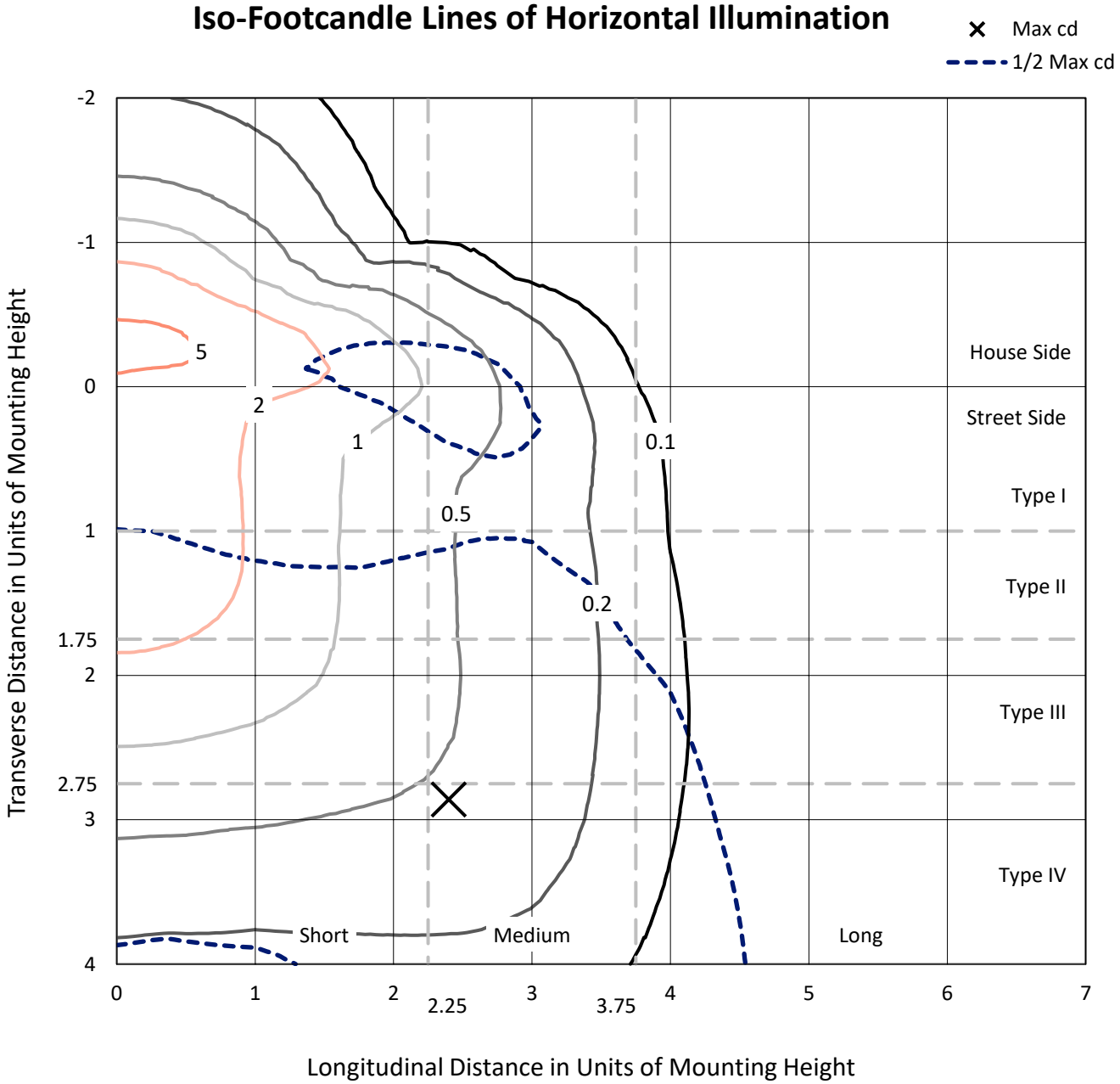


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REPORT NUMBER: P1201243
CATALOG NUMBER: GWC-SB1A-830-U-SL4

Iso-Footcandle Lines of Horizontal Illumination



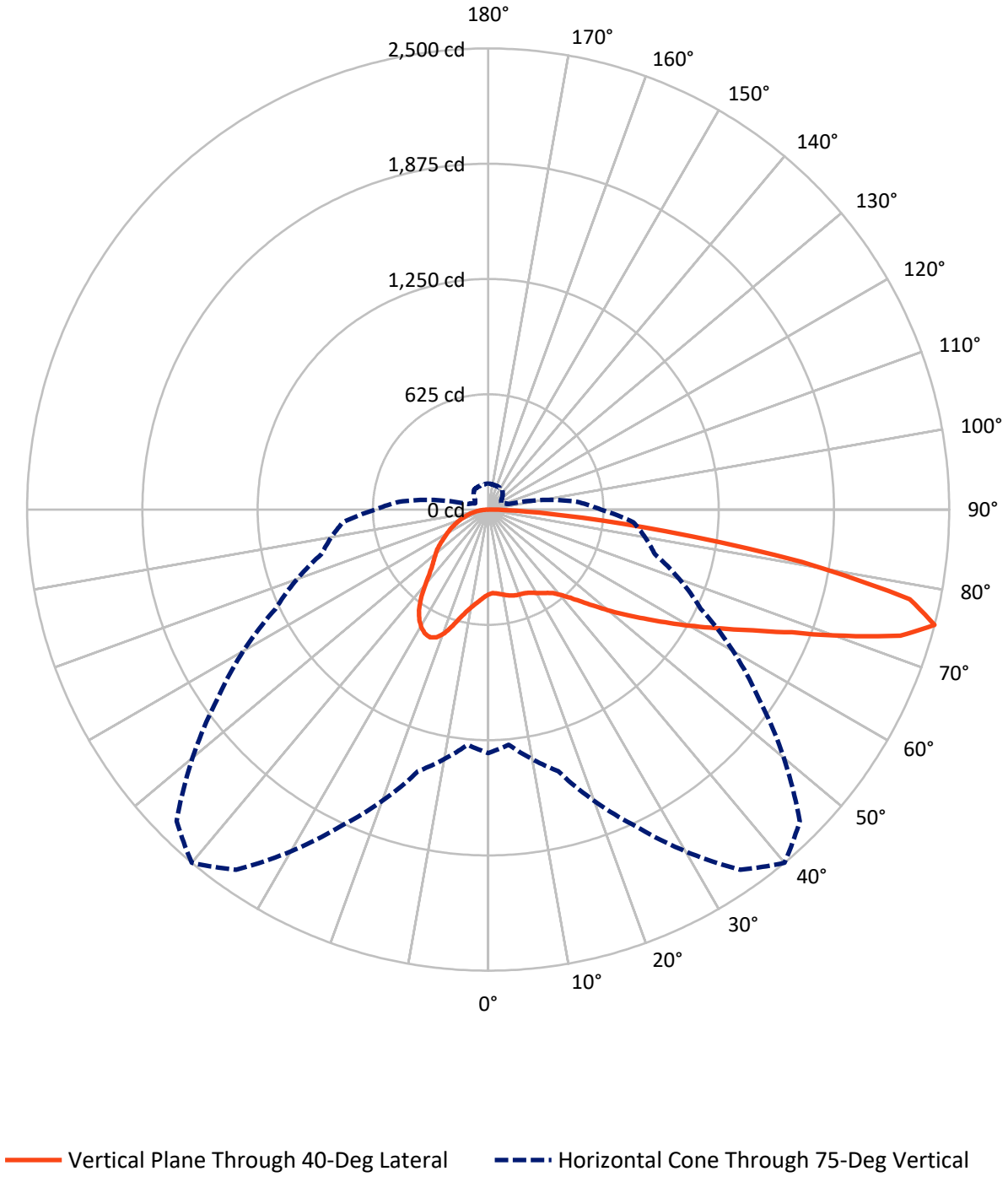
Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
Type IV - Medium - N/A

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REPORT NUMBER: P1201243
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Luminous Intensity Polar Plot



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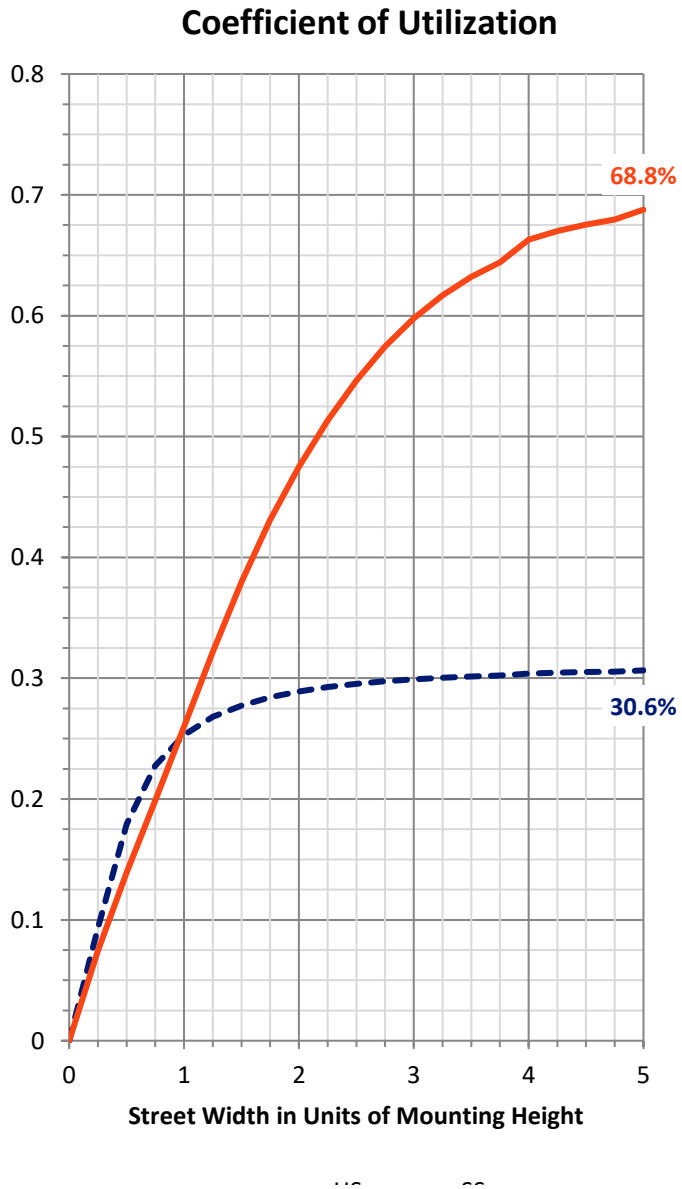
REPORT NUMBER: P1201243
CATALOG NUMBER: GWC-SB1A-830-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1244.6	0.0	1244.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	2772.4	0.0	2772.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	4017.0	0.0	4017.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.1
10°-20°	153.9	3.8
20°-30°	281.1	7.0
30°-40°	398.7	9.9
40°-50°	538.3	13.4
50°-60°	724.2	18.0
60°-70°	919.2	22.9
70°-80°	834.2	20.8
80°-90°	121.6	3.0
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°	4017.0	100.0
0°-180°	4017.0	100.0



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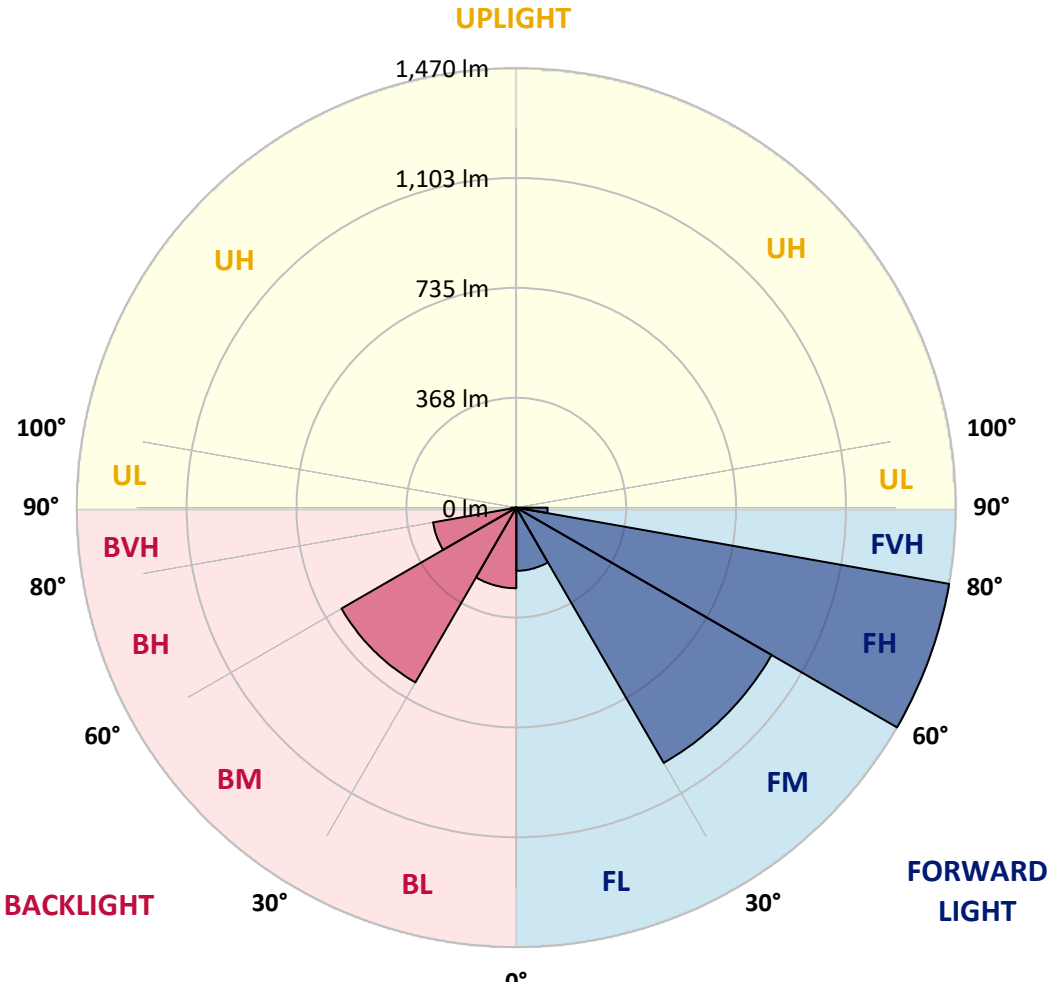
Scaled Data Report

REPORT NUMBER: P1201243
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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°)	211.3	5.3			
FM	(30°-60°)	986.1	24.5			
FH	(60°-80°)	1470.2	36.6			G1/1800
FVH	(80°-90°)	104.9	2.6			G2/225
BL	(0°-30°)	269.6	6.7	B1/500		
BM	(30°-60°)	675.1	16.8	B1/1000		
BH	(60°-80°)	283.2	7.0	B1/500		G1/500
BVH	(80°-90°)	16.7	0.4			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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REPORT NUMBER: P1201243
CATALOG NUMBER: GWC-SB1A-830-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	459.3	459.3	459.3	459.3	459.3	*459.3*	459.3	459.3	459.3	459.3	459.3
2.5°	452.3	454.9	454.2	453.4	453.4	*453.6*	453.4	454.9	456.4	457.9	460.2
5°	457.0	459.6	458.3	457.2	456.4	*456.2*	455.5	455.3	456.2	458.1	461.3
7.5°	466.2	468.7	466.8	464.9	463.2	*462.3*	461.5	460.2	459.6	460.6	465.1
10°	476.4	479.0	476.6	473.2	470.4	*469.4*	468.5	467.2	466.4	467.0	471.9
12.5°	486.6	489.2	486.0	481.3	477.7	*477.0*	476.0	475.5	475.3	475.1	480.0
15°	496.2	498.3	494.3	488.8	484.9	*483.9*	482.8	483.4	484.5	485.8	491.3
17.5°	503.7	505.8	499.8	492.6	489.0	*488.5*	487.9	490.0	493.0	496.2	503.0
20°	510.5	512.6	504.9	495.1	490.9	*490.9*	491.1	495.6	499.8	504.5	513.9
22.5°	520.1	521.8	512.4	499.0	492.8	*493.2*	494.9	499.4	504.7	511.1	524.1
25°	534.3	535.6	524.1	506.2	499.2	*500.5*	502.0	504.1	509.2	516.7	534.1
27.5°	557.4	558.4	543.3	519.0	508.4	*510.5*	512.6	511.1	513.5	519.9	542.2
30°	589.7	590.4	571.2	539.0	523.9	*525.0*	525.4	519.2	514.7	519.9	548.0
32.5°	628.1	627.9	605.1	563.3	541.6	*540.5*	536.9	524.8	514.3	518.8	553.1
35°	687.5	685.2	655.8	597.4	561.6	*555.0*	546.5	530.9	516.4	517.7	557.6
37.5°	786.0	778.7	738.0	653.2	591.4	*574.6*	562.0	540.9	521.1	517.3	562.9
40°	897.0	887.8	843.1	729.7	636.2	*609.1*	588.9	555.2	528.8	519.2	570.8
42.5°	1028.6	1015.6	967.5	819.8	692.9	*653.7*	623.2	573.3	540.1	525.4	581.4
45°	1190.3	1173.1	1104.9	921.5	764.2	*712.0*	671.3	600.8	557.4	537.3	597.4
47.5°	1353.8	1358.0	1261.1	1037.8	849.9	*784.0*	731.6	642.2	582.5	556.5	623.2
50°	1527.4	1530.4	1416.4	1166.7	947.0	*865.4*	799.4	688.4	617.4	583.8	661.8
52.5°	1662.9	1663.3	1557.4	1301.6	1048.2	*954.9*	872.5	741.2	657.9	620.0	713.1
55°	1747.7	1746.6	1656.3	1429.2	1164.6	*1048.9*	953.4	801.3	707.3	662.6	777.7
57.5°	1809.3	1806.1	1724.5	1538.9	1288.6	*1159.9*	1045.0	869.5	765.7	713.3	862.7
60°	1832.7	1830.8	1770.7	1633.7	1419.0	*1282.6*	1150.7	945.8	832.0	773.2	972.0
62.5°	1841.7	1845.3	1816.1	1725.5	1558.5	*1418.5*	1266.8	1036.9	906.6	840.9	1087.2
65°	1873.2	1879.8	1873.8	1845.7	1716.2	*1577.7*	1420.9	1145.4	987.9	913.6	1207.6
67.5°	1935.6	1942.2	1944.8	1989.5	1908.8	*1776.0*	1613.0	1280.5	1083.2	989.0	1298.2
70°	1934.1	1932.2	1977.4	2103.9	2150.0	*2050.7*	1872.1	1446.7	1196.7	1051.6	1309.7
72.5°	1760.5	1745.1	1851.9	2102.7	2350.6	*2337.4*	2188.5	1661.0	1294.7	1059.3	1136.4
75°	*1320.7*	*1279.8*	*1468.4*	*1894.9*	*2384.1*	*2500.2*	*2389.6*	*1793.9*	*1271.5*	*936.0*	*790.9*
77.5°	564.8	523.7	745.9	1402.8	2133.8	*2337.2*	2205.1	1565.1	1015.0	618.9	388.4
80°	147.9	147.6	225.4	636.0	1451.1	*1726.0*	1514.2	1010.7	579.9	221.2	107.2
82.5°	61.1	59.7	82.9	247.4	709.1	*968.6*	790.4	450.8	209.4	59.9	35.6
85°	22.8	22.6	40.3	85.4	250.1	*399.5*	289.1	115.3	52.2	29.2	16.0
87.5°	6.4	6.2	8.7	29.6	60.9	*92.5*	49.4	19.0	14.7	11.5	4.7
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: P1201243
CATALOG NUMBER: GWC-SB1A-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	459.3	459.3	459.3	459.3	459.3	459.3	459.3	459.3	459.3	459.3	459.3
2.5°	460.8	461.9	463.8	465.3	467.2	469.4	472.3	474.3	476.2	477.5	476.6
5°	462.8	465.1	470.0	474.9	480.7	486.0	492.2	496.6	500.3	501.3	501.7
7.5°	467.0	470.9	479.2	487.5	496.6	505.4	514.3	522.0	528.2	530.5	530.7
10°	474.5	479.6	491.3	503.0	515.2	528.6	540.1	551.2	559.9	563.5	563.7
12.5°	483.9	490.2	505.6	521.8	538.6	557.1	572.1	585.7	596.6	601.5	601.5
15°	496.0	504.3	523.9	545.6	570.4	596.1	615.1	630.2	642.4	648.3	647.9
17.5°	509.2	520.3	545.0	577.8	613.2	647.1	669.2	680.3	692.9	698.6	698.4
20°	522.0	535.6	571.0	618.7	665.8	701.8	719.7	722.7	723.5	724.2	725.9
22.5°	535.2	553.5	603.6	670.3	720.8	745.7	748.3	735.5	717.6	709.3	711.6
25°	549.7	574.0	646.2	727.2	768.1	771.1	751.4	720.3	686.5	670.9	673.3
27.5°	563.7	597.6	697.3	781.5	802.2	776.0	733.8	689.7	648.8	632.4	634.3
30°	577.8	624.7	753.8	829.0	817.7	763.8	705.9	656.6	615.5	598.3	600.2
32.5°	592.1	656.2	818.8	863.3	814.9	738.0	671.1	619.6	583.3	565.2	567.6
35°	608.3	695.0	880.3	882.1	796.4	700.1	625.3	575.3	543.7	529.2	532.4
37.5°	629.4	744.2	934.7	886.7	764.0	644.5	568.4	522.8	496.8	490.2	494.9
40°	655.6	803.4	976.2	879.3	716.1	577.0	506.2	469.8	455.1	456.6	461.7
42.5°	689.7	869.7	1005.4	860.1	649.4	507.3	451.7	435.5	442.5	448.5	454.0
45°	734.0	938.5	1023.5	827.5	574.0	448.3	419.5	423.3	428.7	429.3	433.6
47.5°	790.7	1008.2	1035.5	778.3	497.1	406.7	399.1	399.9	398.8	394.4	397.8
50°	861.4	1075.9	1046.1	713.1	431.7	380.7	370.5	367.5	352.8	338.3	340.3
52.5°	941.9	1138.1	1050.6	632.1	380.7	359.0	342.4	323.6	296.1	291.7	293.2
55°	1031.4	1195.7	1039.1	532.6	337.9	331.1	305.9	283.4	280.4	276.5	277.2
57.5°	1138.4	1257.7	1015.6	421.6	294.0	298.5	274.0	276.5	271.2	265.3	264.2
60°	1255.3	1321.8	974.5	320.4	248.6	257.8	265.7	265.5	264.0	259.1	257.4
62.5°	1360.6	1364.0	893.6	245.4	208.8	226.3	247.8	247.6	246.3	243.5	242.5
65°	1423.2	1357.6	758.5	193.2	176.0	200.3	223.5	225.2	225.4	225.2	225.2
67.5°	1412.1	1282.8	573.1	153.8	148.9	173.9	199.4	201.8	203.5	203.9	204.3
70°	1286.9	1118.5	373.7	122.7	124.9	150.6	176.6	179.0	180.5	182.2	183.0
72.5°	1003.1	822.4	213.9	99.3	103.8	130.6	154.0	156.8	157.7	160.9	162.1
75°	*611.3*	*483.6*	*115.5*	*78.2*	*85.2*	*111.6*	*131.7*	*134.9*	*136.4*	*140.2*	*140.6*
77.5°	290.6	209.4	65.8	60.9	68.6	91.2	111.2	114.8	110.8	112.9	111.2
80°	98.2	77.8	41.5	46.4	52.4	71.2	89.1	92.7	84.2	83.7	82.9
82.5°	34.3	31.5	26.4	30.9	33.9	50.9	67.3	72.0	62.6	62.4	59.4
85°	13.4	12.8	14.7	16.8	20.2	31.3	44.3	46.7	38.6	31.1	30.7
87.5°	2.8	3.0	3.6	3.8	6.2	10.9	16.0	19.6	15.6	13.2	12.1
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

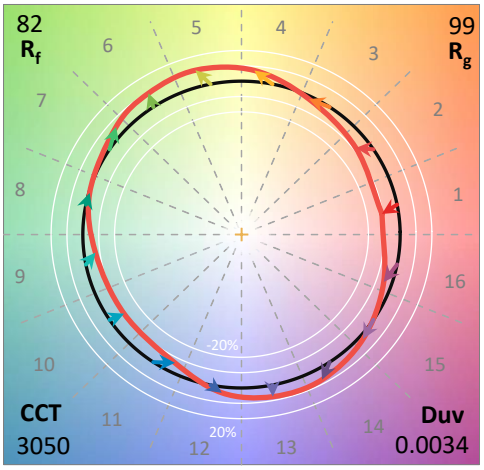
Test Information

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

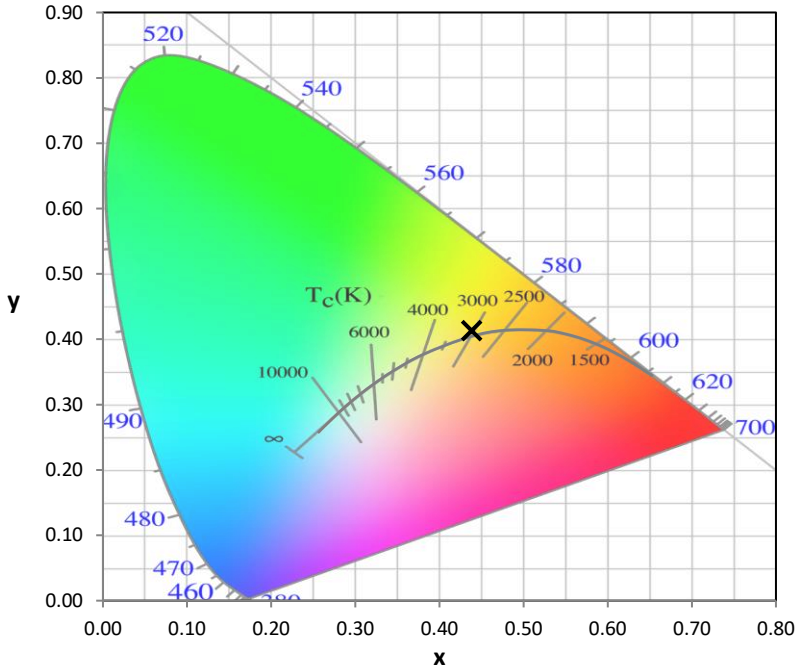
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

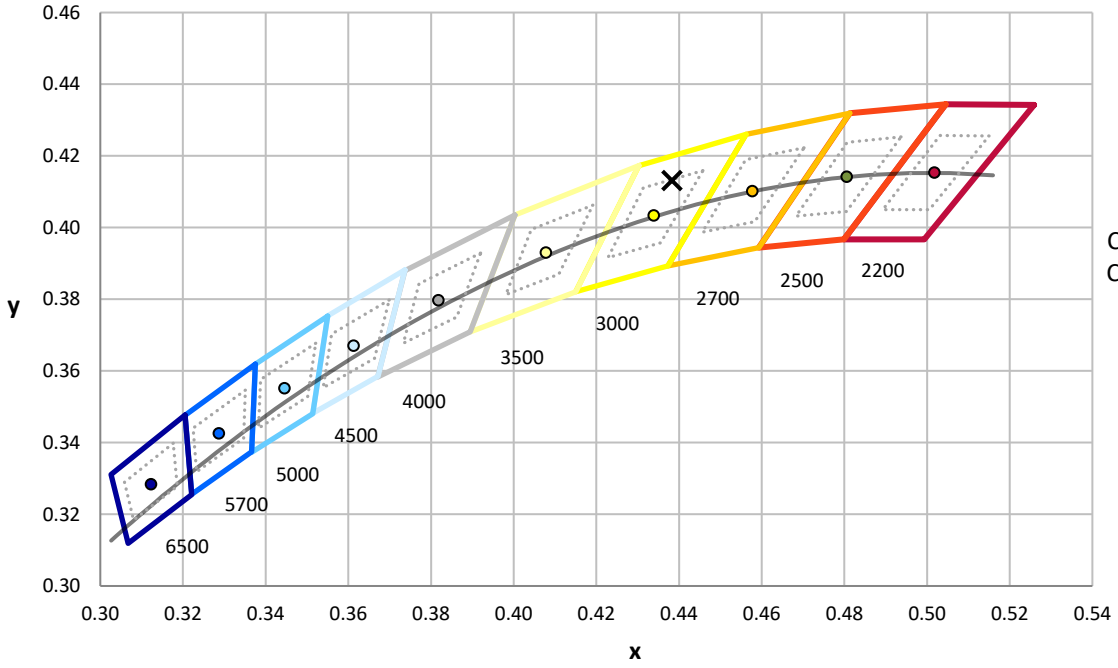
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

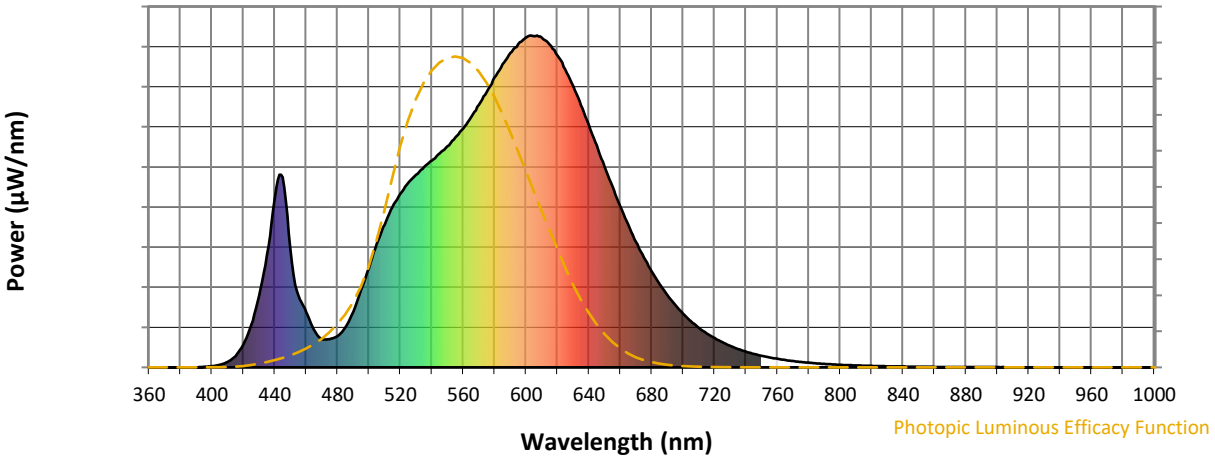


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

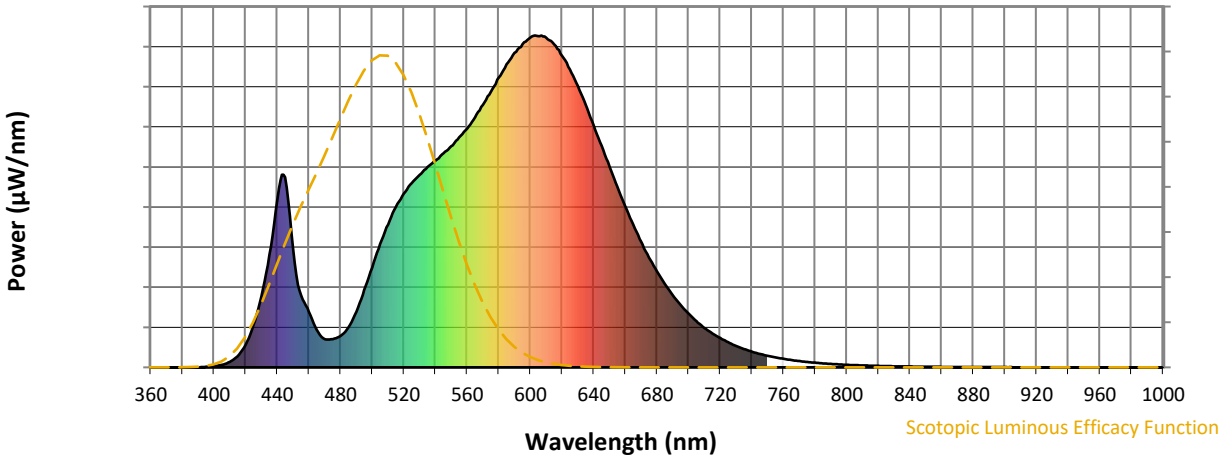


Photopic Lumens: NR

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

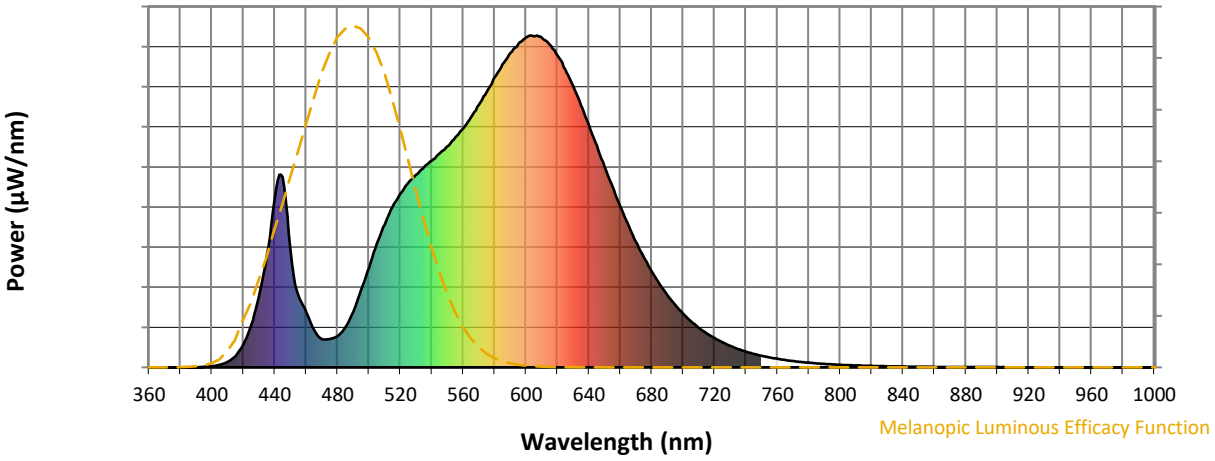


Scotopic Lumens: NR **S/P: 1.27**

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			

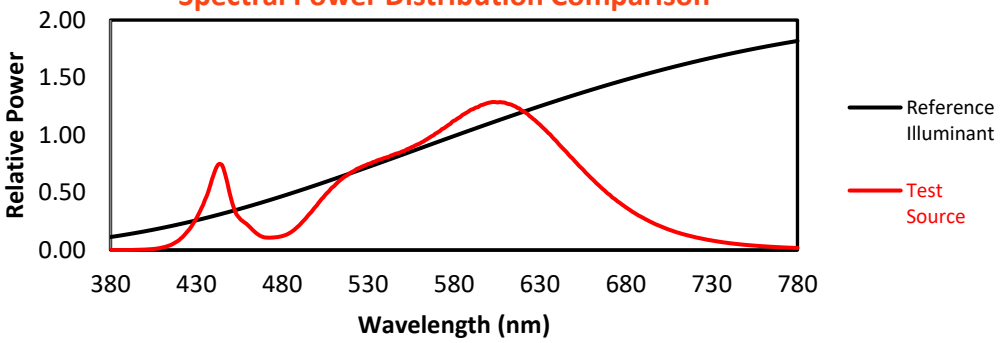
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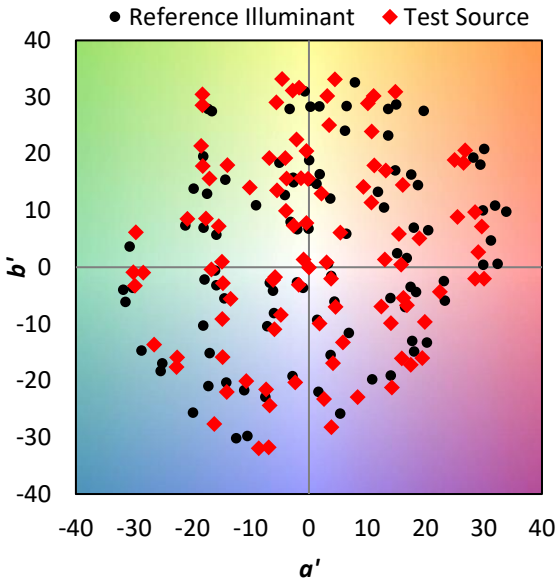
Summary

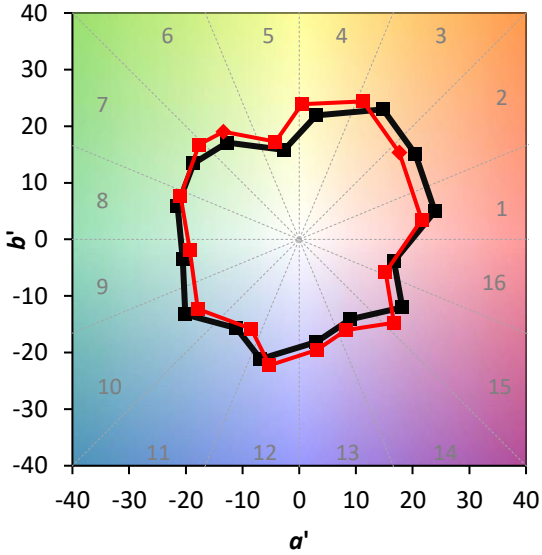
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

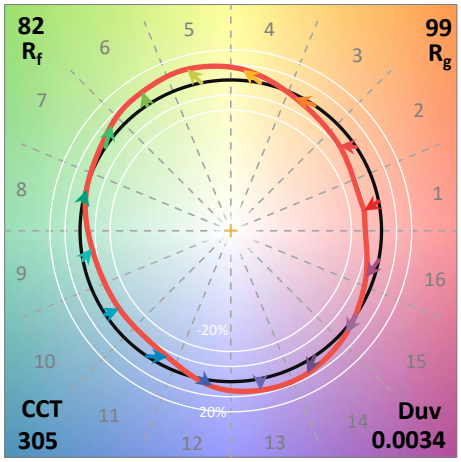
Spectral Power Distribution Comparison

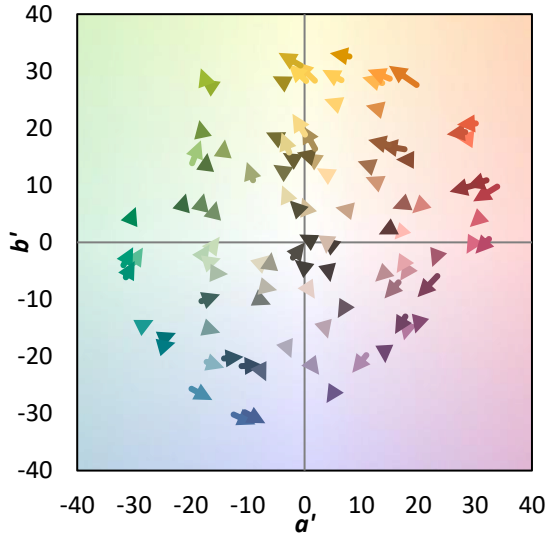


Color Vector Graphics







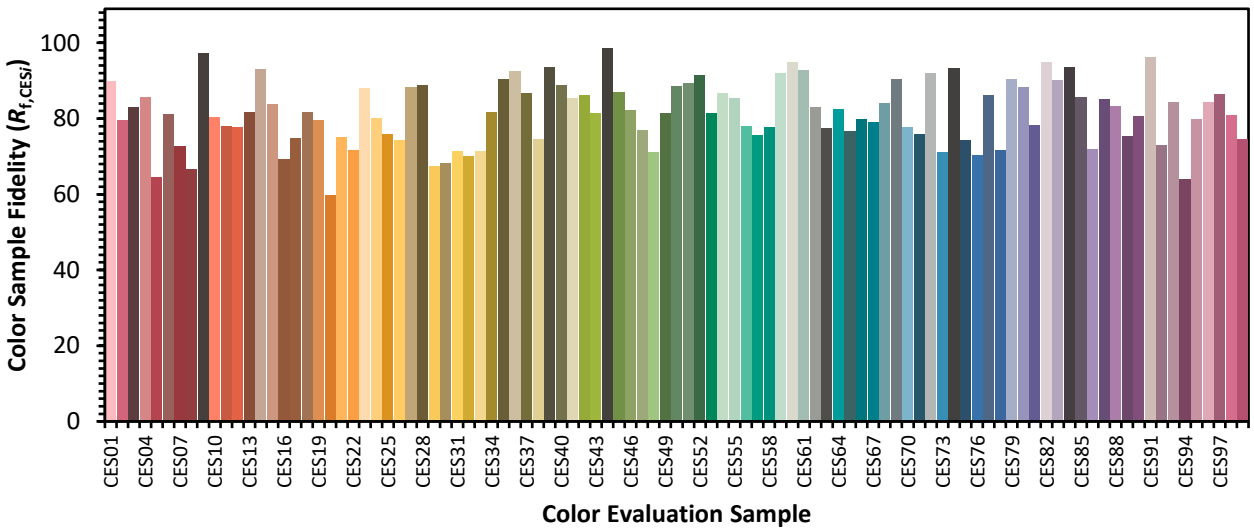


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Individual Sample Fidelity Index ($R_{f,i}$)

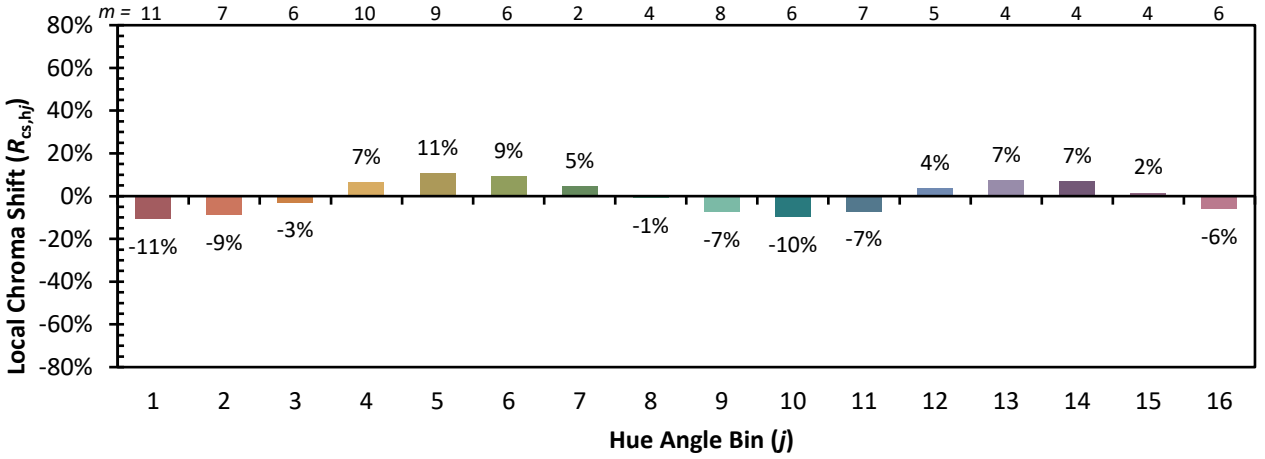
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

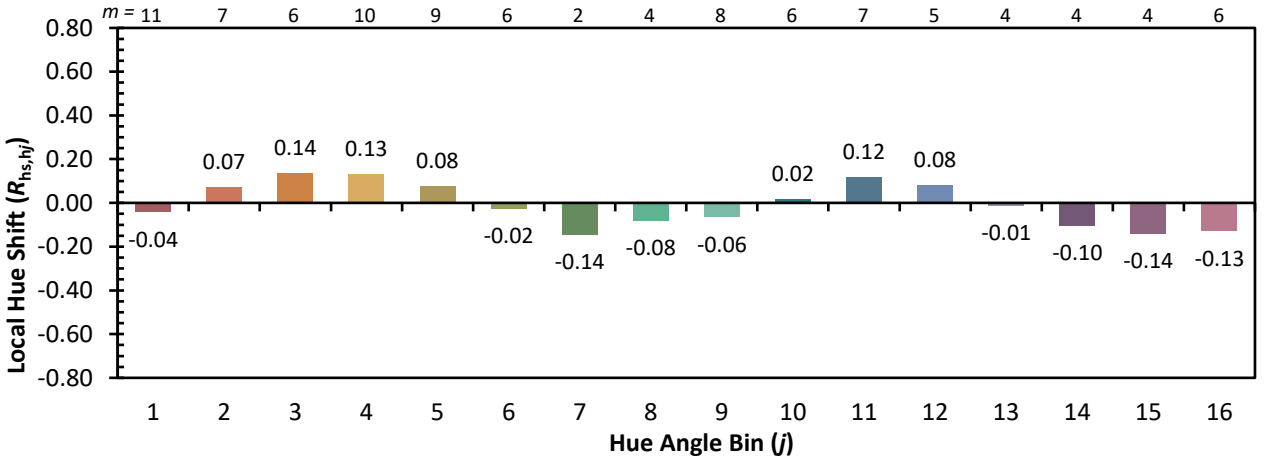


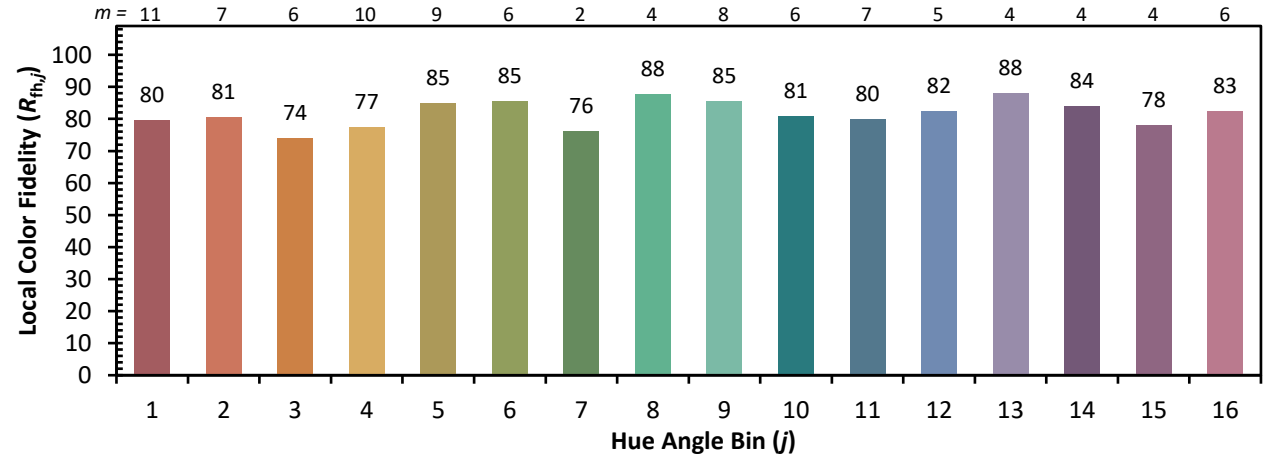
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Color Rendition by Hue-Angle Bin



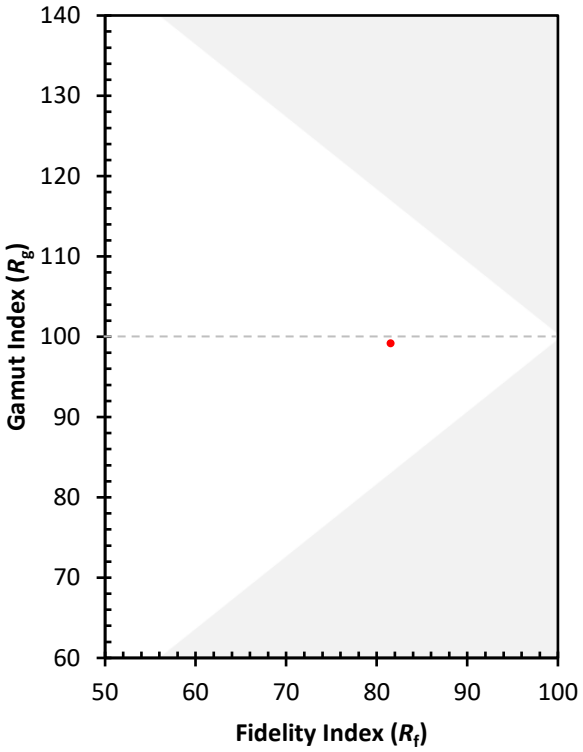


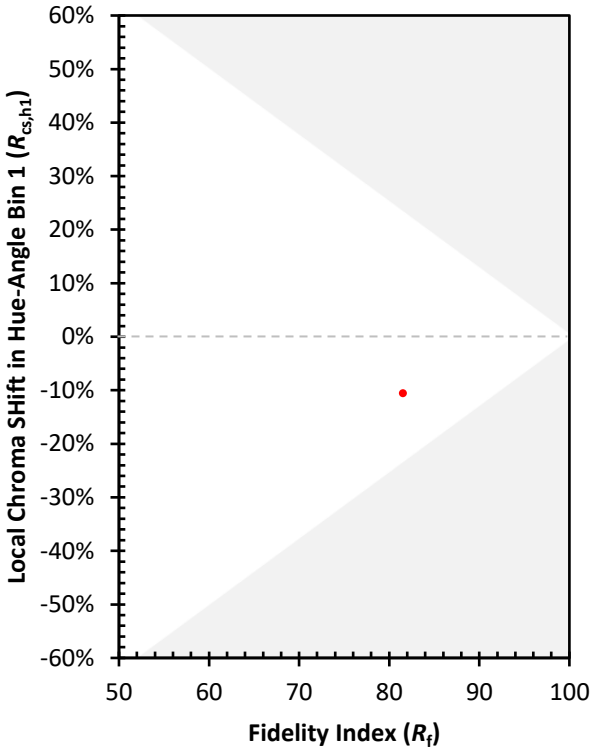


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Measure Comparisons





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