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: P1201628

Luminaire Tested: GWC-SB1B-830-U-T4W-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:	P1201628
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-830-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3918 lumens
Efficiency:	N/A
Efficacy:	98.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
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

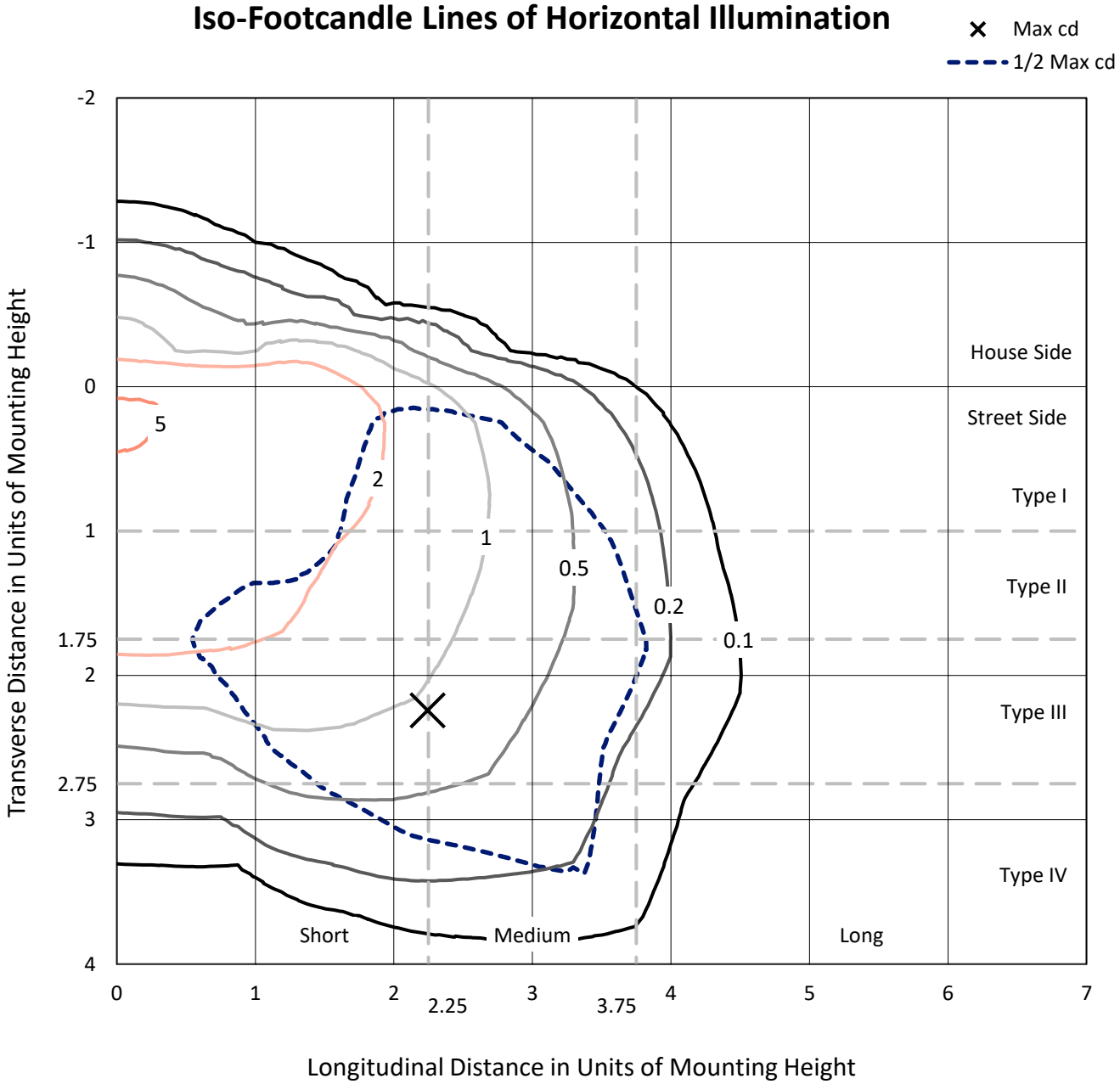


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Scaled Data Report

REPORT NUMBER: P1201628
CATALOG NUMBER: GWC-SB1B-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



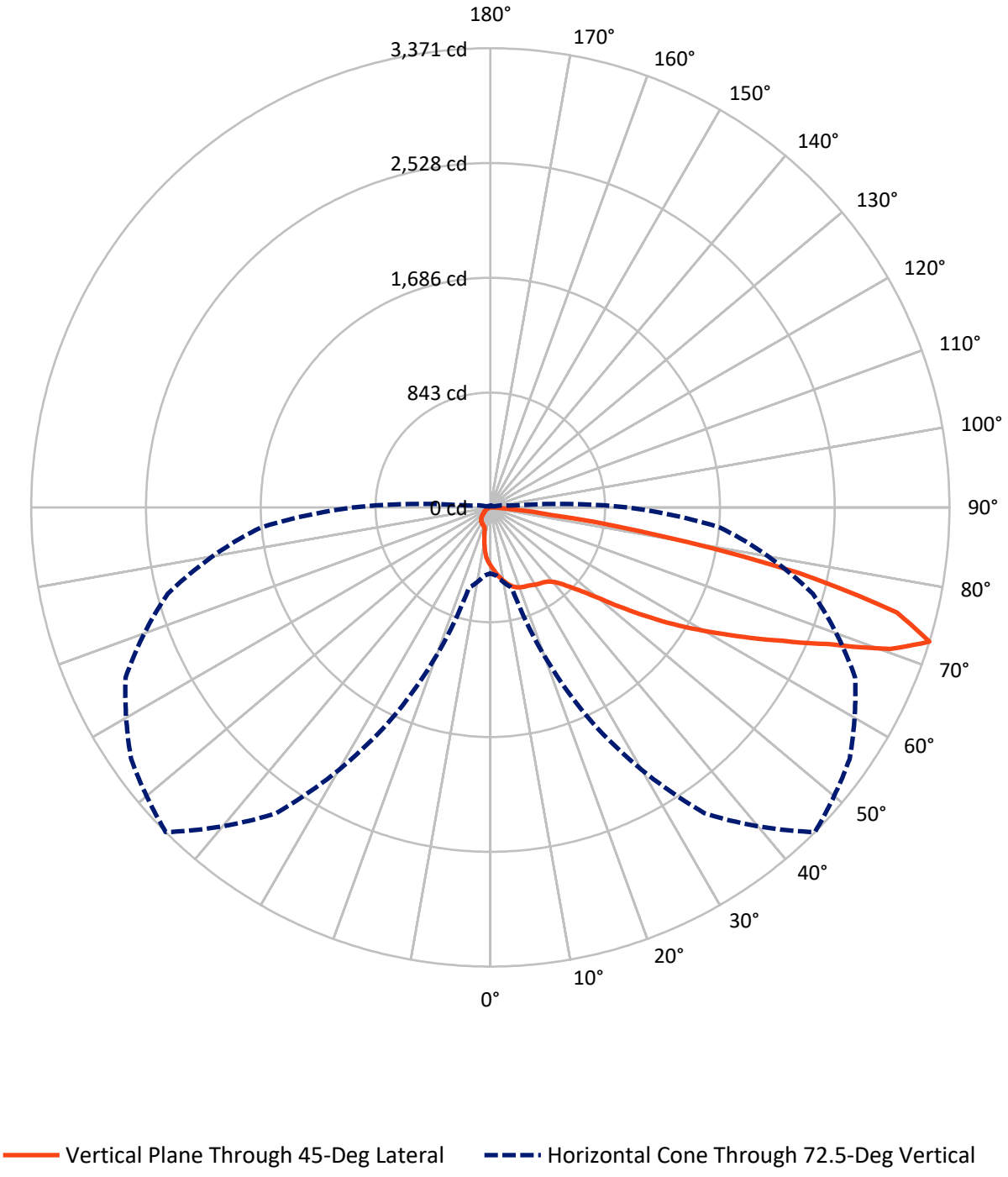
Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
Type IV - Short - N/A

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REPORT NUMBER: P1201628
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Luminous Intensity Polar Plot



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Scaled Data Report

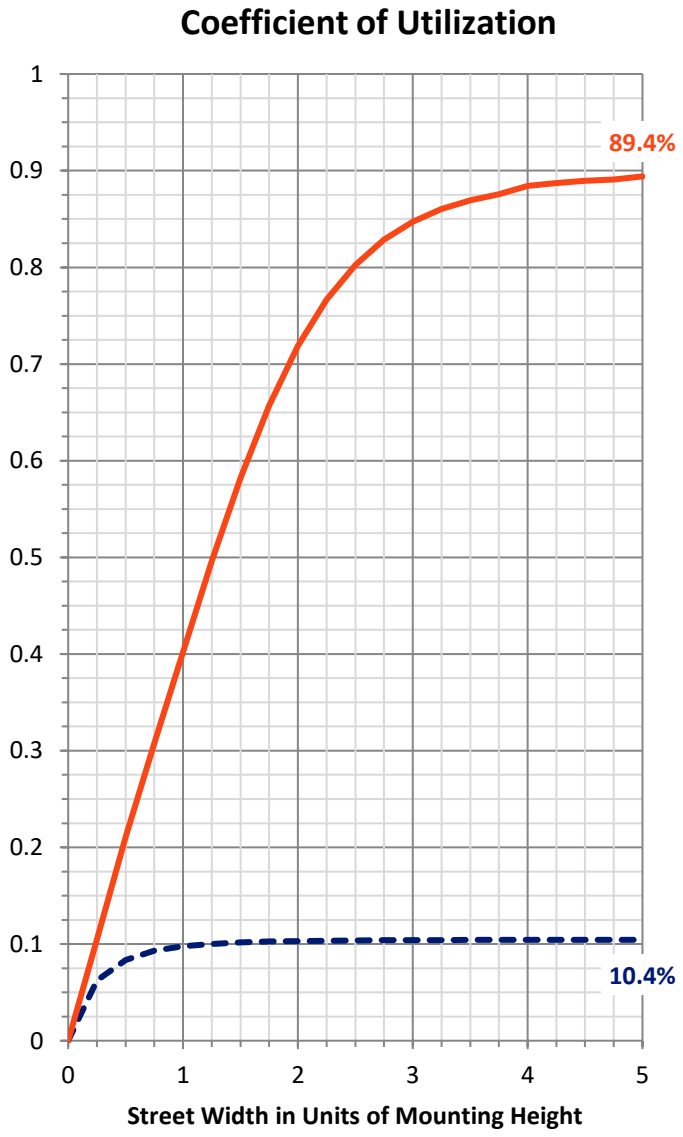
REPORT NUMBER: P1201628
CATALOG NUMBER: GWC-SB1B-830-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	411.7	0.0	411.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3506.3	0.0	3506.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	3918.0	0.0	3918.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.4	1.0
10°-20°	118.2	3.0
20°-30°	194.1	5.0
30°-40°	275.3	7.0
40°-50°	455.0	11.6
50°-60°	817.3	20.9
60°-70°	1134.9	29.0
70°-80°	823.2	21.0
80°-90°	59.5	1.5
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°	3918.0	100.0
0°-180°	3918.0	100.0



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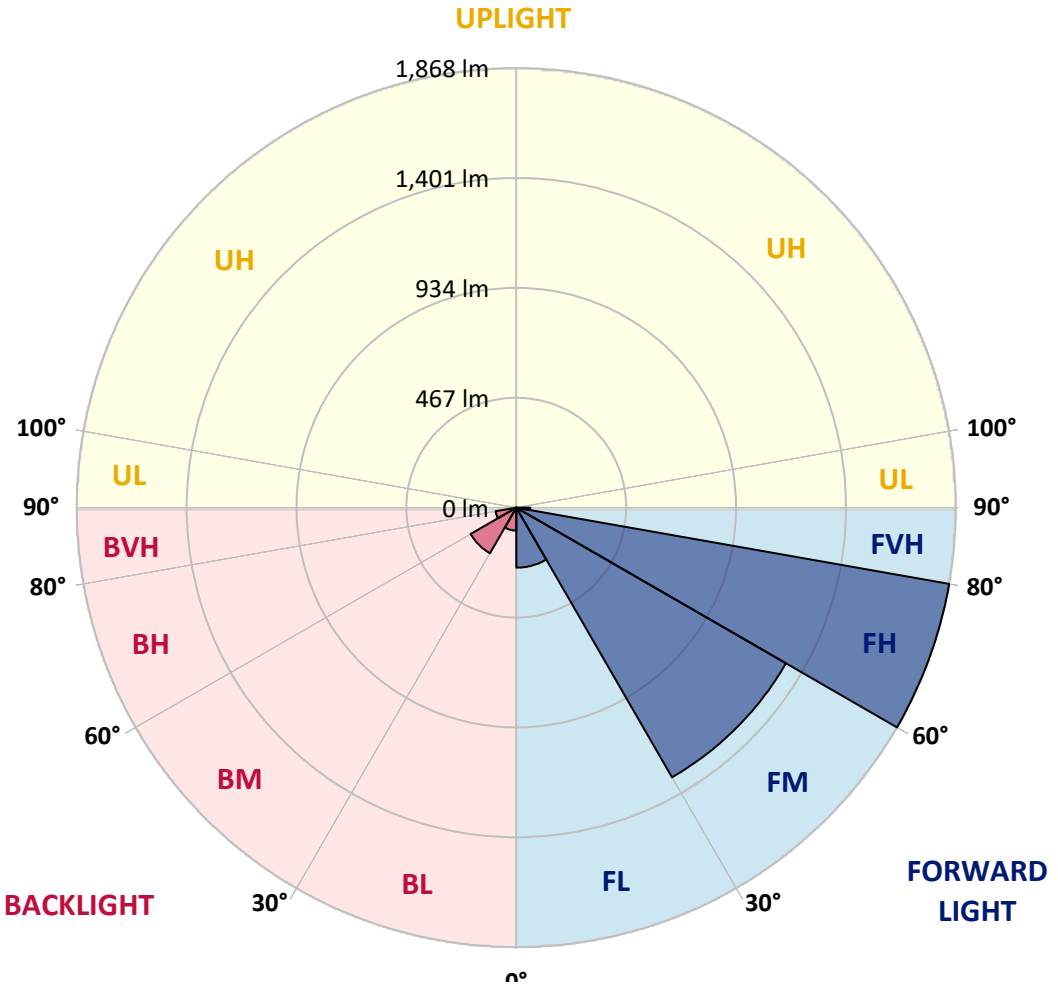
Scaled Data Report

REPORT NUMBER: P1201628
CATALOG NUMBER: GWC-SB1B-830-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	255.2	6.5			
FM	(30°-60°)	1323.7	33.8			
FH	(60°-80°)	1868.4	47.7			G2/5000
FVH	(80°-90°)	59.0	1.5			G1/100
BL	(0°-30°)	97.5	2.5	B0/110		
BM	(30°-60°)	223.9	5.7	B1/1000		
BH	(60°-80°)	89.8	2.3	B0/110		G0/110
BVH	(80°-90°)	0.5	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 IV Short



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Scaled Data Report

REPORT NUMBER: P1201628
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	429.2	429.2	429.2	429.2	429.2	*429.2*	429.2	429.2	429.2	429.2	429.2
2.5°	468.8	469.6	469.1	465.9	460.5	*457.6*	456.0	450.6	447.1	441.0	434.6
5°	511.9	515.1	513.2	506.8	496.6	*489.4*	487.3	476.3	466.4	454.9	441.5
7.5°	557.6	559.2	555.7	547.4	533.8	*521.5*	519.6	504.4	488.6	470.9	452.8
10°	597.2	599.0	593.7	581.7	566.1	*550.9*	548.2	531.4	512.7	491.0	467.7
12.5°	630.3	632.2	625.3	610.8	593.7	*577.9*	575.2	557.6	537.0	512.9	484.0
15°	655.5	658.9	649.6	634.1	615.6	*599.8*	598.5	581.1	561.1	534.3	503.6
17.5°	670.2	673.7	664.8	646.1	630.3	*617.0*	615.4	600.9	582.2	556.5	522.6
20°	672.6	675.8	666.4	650.1	637.0	*626.3*	625.5	615.1	601.5	576.8	543.2
22.5°	665.4	669.4	660.8	647.7	638.6	*633.0*	631.9	626.1	618.3	597.4	562.4
25°	657.9	661.1	654.7	643.2	638.4	*637.8*	638.6	637.6	635.9	618.3	584.9
27.5°	657.3	660.8	653.6	642.6	640.0	*645.6*	646.4	651.5	652.8	637.3	606.5
30°	661.9	664.3	657.3	645.8	644.5	*657.3*	657.6	666.7	668.8	653.3	627.9
32.5°	671.8	674.5	667.5	650.7	648.8	*666.7*	667.5	679.5	683.0	670.4	650.4
35°	695.1	698.3	690.2	664.0	657.3	*675.5*	677.9	692.1	699.1	688.6	673.7
37.5°	753.1	743.7	732.8	691.0	676.9	*689.4*	693.4	710.0	722.3	710.3	701.5
40°	897.2	867.8	833.6	737.0	711.1	*719.1*	722.3	738.9	755.8	744.0	739.7
42.5°	1113.6	1078.8	1023.7	842.9	762.7	*766.7*	769.1	783.6	807.4	798.0	799.1
45°	1306.4	1293.8	1237.7	1023.7	859.3	*839.5*	842.4	849.9	884.9	881.4	888.4
47.5°	1454.6	1447.3	1404.0	1231.2	1022.4	*928.5*	936.8	940.3	990.8	1003.1	1021.9
50°	1568.5	1565.8	1527.0	1415.8	1235.5	*1059.8*	1062.8	1055.3	1131.0	1161.4	1197.0
52.5°	1676.0	1685.1	1656.5	1587.2	1463.1	*1231.8*	1231.2	1195.9	1298.1	1344.1	1404.8
55°	1773.1	1776.3	1779.2	1762.1	1692.0	*1427.5*	1422.5	1364.7	1492.0	1539.6	1605.4
57.5°	1864.3	1865.6	1891.8	1926.8	1930.3	*1637.7*	1628.4	1559.1	1703.8	1737.8	1778.1
60°	1925.5	1931.6	1987.0	2084.3	2126.9	*1854.6*	1849.5	1778.9	1919.3	1935.1	1927.6
62.5°	1837.2	1874.7	2014.3	2207.4	2312.5	*2095.0*	2092.6	2026.3	2146.1	2133.3	2069.1
65°	1487.2	1550.6	1796.1	2290.5	2494.6	*2363.5*	2367.0	2296.4	2379.1	2337.3	2184.1
67.5°	1040.3	1107.2	1397.6	2297.2	2698.1	*2678.8*	2698.9	2588.2	2626.4	2532.8	2211.4
70°	719.4	753.9	943.0	2153.3	2856.7	*3113.2*	3112.6	2946.5	2872.5	2621.9	2072.3
72.5°	*483.8*	*501.7*	*612.4*	*1708.3*	*2740.1*	*3371.2*	*3355.7*	*3220.4*	*2955.4*	*2452.1*	*1693.1*
75°	204.0	217.2	283.5	960.1	2167.8	*3084.3*	3042.3	2846.0	2625.9	1930.8	1056.3
77.5°	64.7	70.3	111.8	343.6	1194.1	*2318.4*	2274.0	1777.3	1760.0	968.6	386.2
80°	30.8	35.8	62.8	138.0	469.9	*1260.9*	1254.8	806.3	757.1	261.5	77.6
82.5°	13.4	15.8	34.8	73.8	210.2	*449.8*	458.9	274.4	227.0	99.2	23.8
85°	4.3	5.6	16.0	34.0	88.8	*111.8*	110.4	65.3	91.5	54.0	8.3
87.5°	0.0	0.0	5.3	7.8	9.1	*6.4*	7.2	5.6	25.4	15.0	2.9
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: P1201628
CATALOG NUMBER: GWC-SB1B-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2
2.5°	431.4	427.1	419.6	412.6	406.5	400.3	396.6	391.3	390.7	390.7	392.1
5°	434.3	427.4	414.0	399.8	383.5	368.0	352.5	337.5	332.7	329.2	330.8
7.5°	442.9	431.9	410.8	383.8	352.7	318.8	295.0	269.3	259.4	254.1	254.9
10°	455.2	440.2	408.1	360.8	310.5	264.2	230.3	202.4	191.7	187.2	187.2
12.5°	468.8	450.4	403.3	332.1	264.2	208.9	175.7	162.9	161.3	161.3	161.3
15°	485.1	462.7	395.0	298.5	215.8	165.3	153.5	154.0	155.6	156.7	156.7
17.5°	502.0	475.8	381.9	260.7	173.0	148.7	149.0	149.8	151.1	152.2	152.2
20°	520.2	488.9	364.5	220.6	148.4	143.9	144.7	145.5	146.6	147.1	147.4
22.5°	539.7	501.2	343.9	181.3	140.1	139.9	140.1	140.9	142.3	142.3	142.8
25°	560.5	514.8	320.4	152.7	135.9	135.9	136.4	136.9	138.0	138.0	138.3
27.5°	581.9	527.4	295.5	137.7	132.1	131.8	131.8	132.6	133.2	133.4	133.7
30°	605.5	542.1	270.6	134.5	129.2	127.8	127.0	127.6	128.1	128.4	128.9
32.5°	629.5	556.3	248.4	135.9	126.2	123.8	121.1	120.6	120.6	121.7	122.5
35°	656.3	571.8	231.3	140.4	124.6	117.9	113.7	111.3	111.5	113.1	113.9
37.5°	688.4	590.5	218.8	144.4	123.6	111.3	104.3	101.4	99.5	101.4	100.8
40°	730.4	618.0	209.7	147.6	122.2	103.5	94.1	89.3	85.8	86.9	86.4
42.5°	792.1	661.4	206.2	147.9	119.3	94.4	83.7	77.3	72.2	72.5	71.4
45°	878.8	729.8	224.1	144.4	112.9	84.5	72.7	64.2	61.0	60.2	59.1
47.5°	997.5	829.6	265.6	137.2	103.5	74.9	62.0	54.8	52.4	51.1	50.3
50°	1156.6	957.7	311.6	129.2	94.1	65.8	53.2	48.7	47.1	45.7	45.5
52.5°	1341.2	1087.6	349.3	121.1	84.8	57.8	47.6	44.9	43.6	42.5	42.3
55°	1510.4	1177.2	347.1	112.6	75.7	51.3	43.6	42.0	40.4	39.3	38.8
57.5°	1615.8	1189.8	286.2	103.2	65.3	46.3	39.8	38.8	36.9	35.6	35.3
60°	1664.2	1118.1	200.6	90.9	54.8	41.5	35.8	35.3	32.9	31.0	30.5
62.5°	1673.0	984.9	133.7	75.7	45.7	36.9	31.8	31.0	27.8	24.6	23.0
65°	1637.2	794.5	92.5	59.1	39.0	32.1	27.3	25.7	22.2	19.0	17.9
67.5°	1523.8	557.9	64.5	42.5	33.2	25.4	21.7	21.1	18.5	15.8	15.0
70°	1316.0	318.0	43.1	31.8	26.2	17.4	17.1	17.7	15.0	12.8	11.8
72.5°	*1009.0*	*145.5*	*26.7*	*23.3*	*17.9*	*11.8*	*13.6*	*13.9*	*11.5*	*9.6*	*8.6*
75°	594.0	62.3	16.8	15.0	9.1	7.8	9.9	10.2	7.8	6.2	5.3
77.5°	202.2	23.5	10.7	8.8	4.5	4.3	6.4	6.4	4.3	2.4	1.9
80°	46.0	8.8	5.3	3.5	2.1	1.9	2.1	1.9	1.1	0.3	0.0
82.5°	13.1	3.5	2.1	1.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0
85°	3.7	1.6	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.3	0.0	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

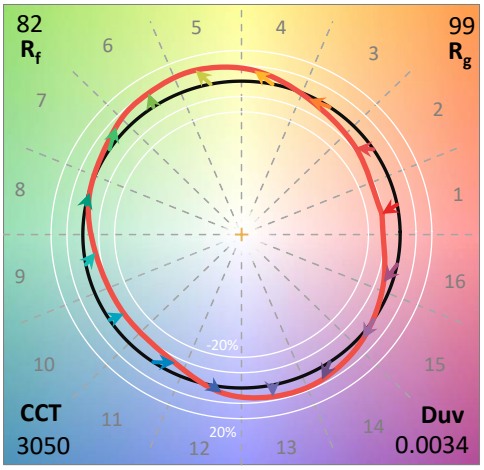
Test Information

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

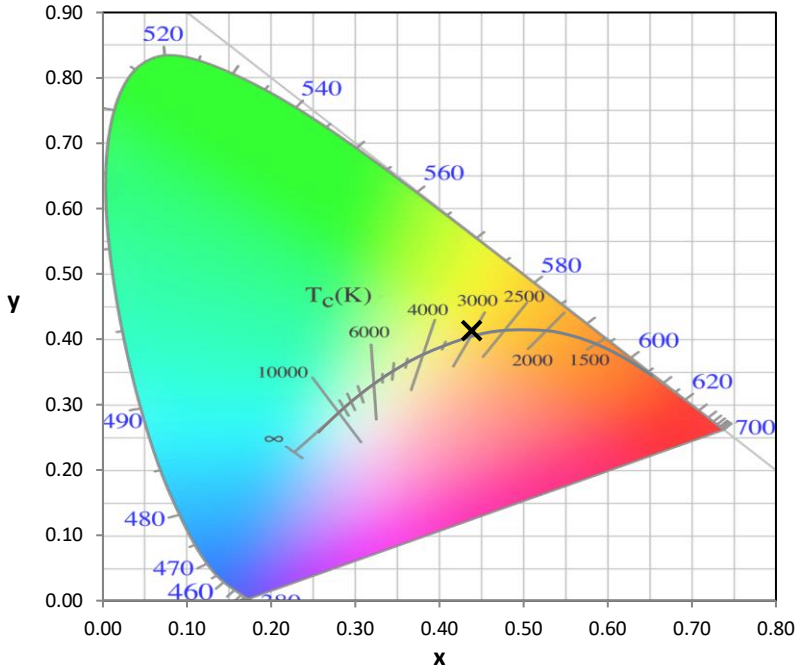
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

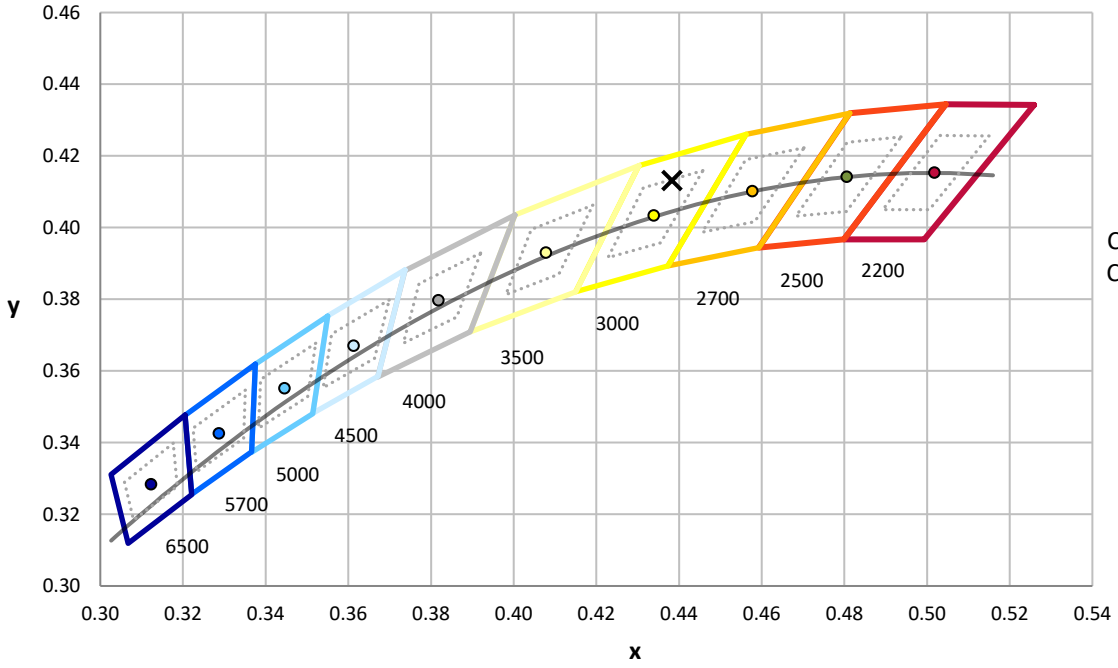
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

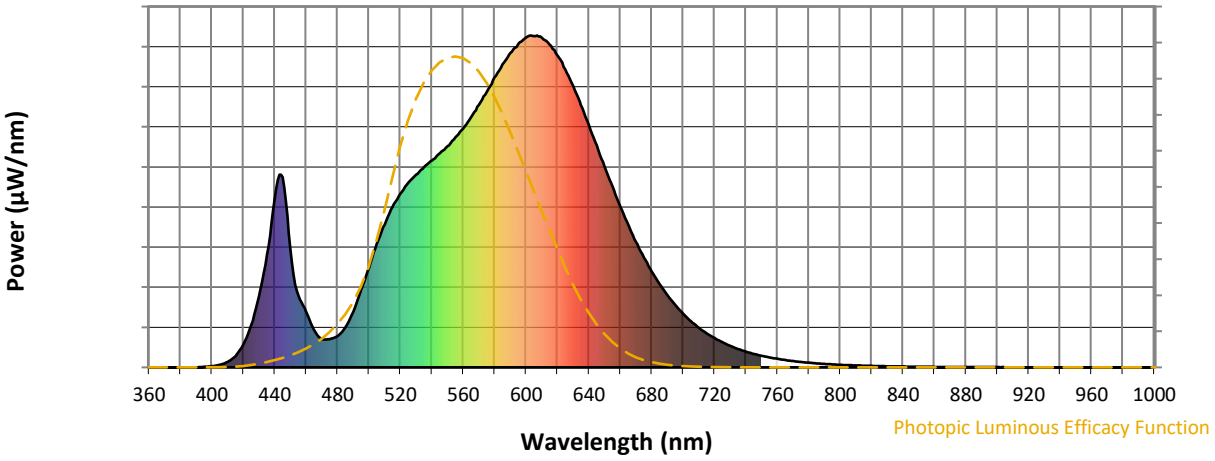


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

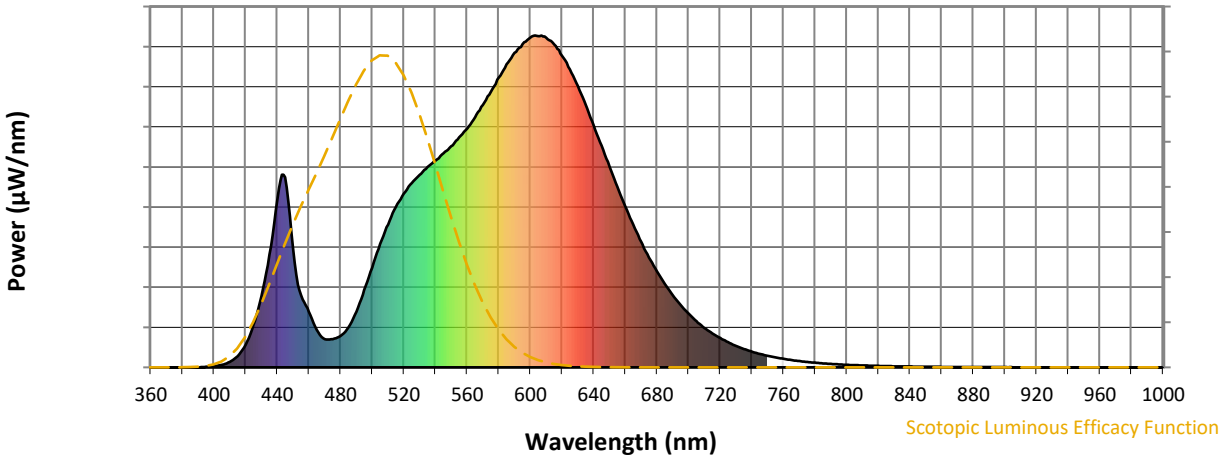


Photopic Lumens: NR

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

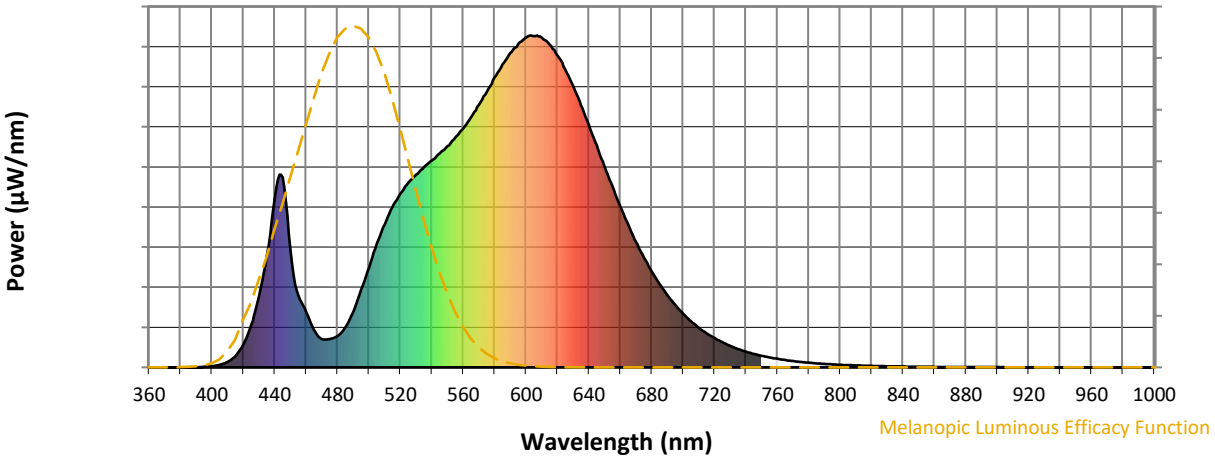


Scotopic Lumens: NR **S/P: 1.27**

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			

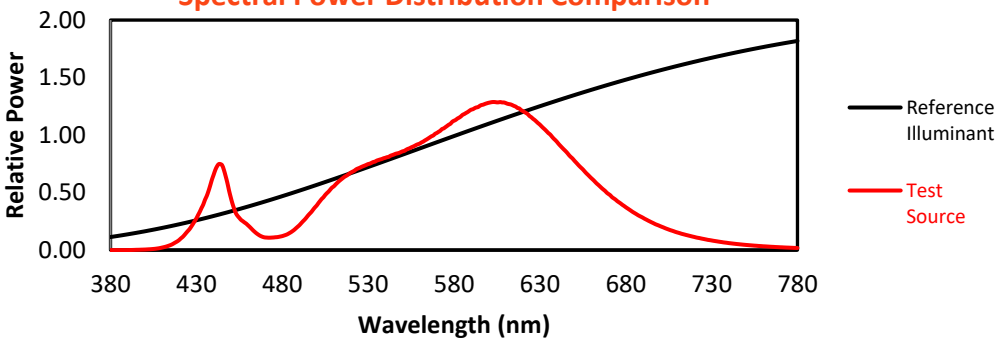
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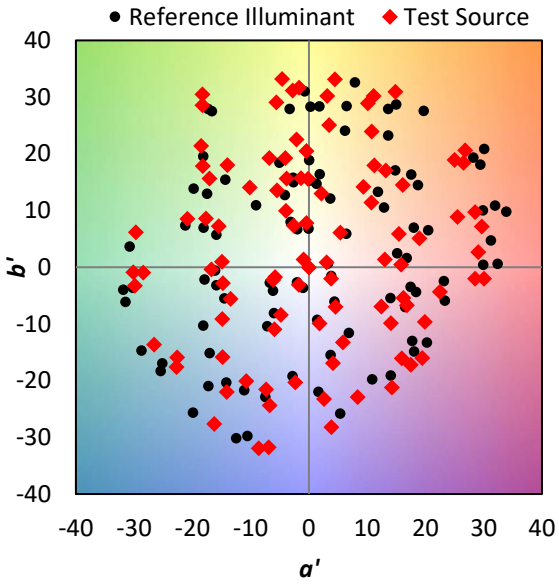
Summary

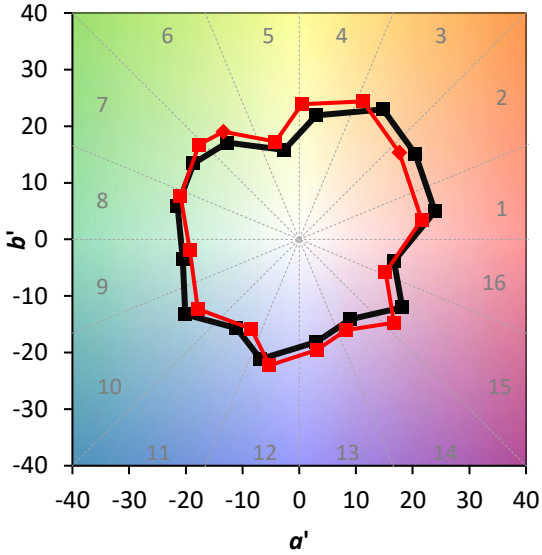
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

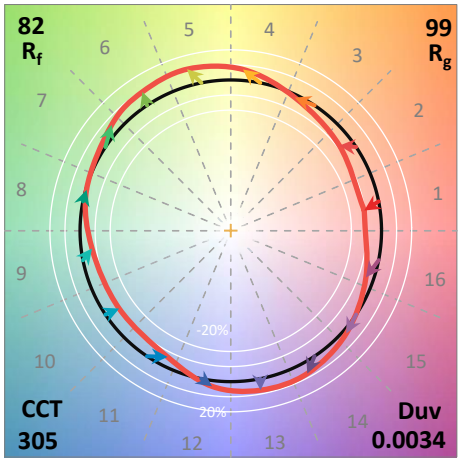
Spectral Power Distribution Comparison

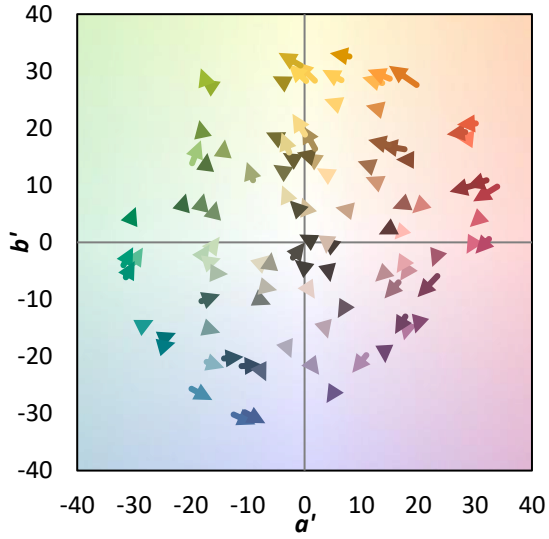


Color Vector Graphics







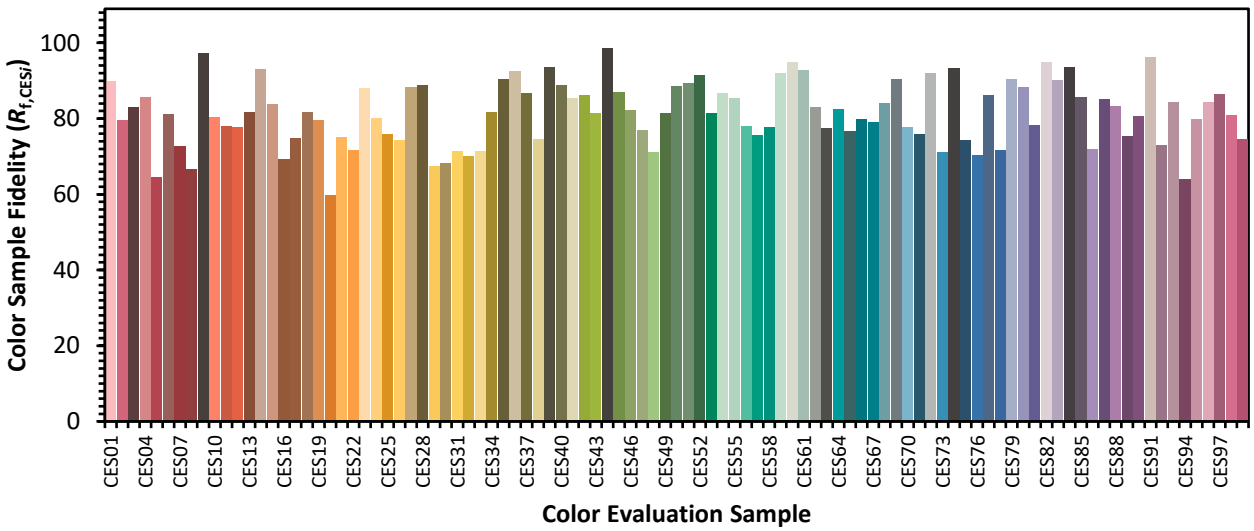


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Individual Sample Fidelity Index ($R_{f,i}$)

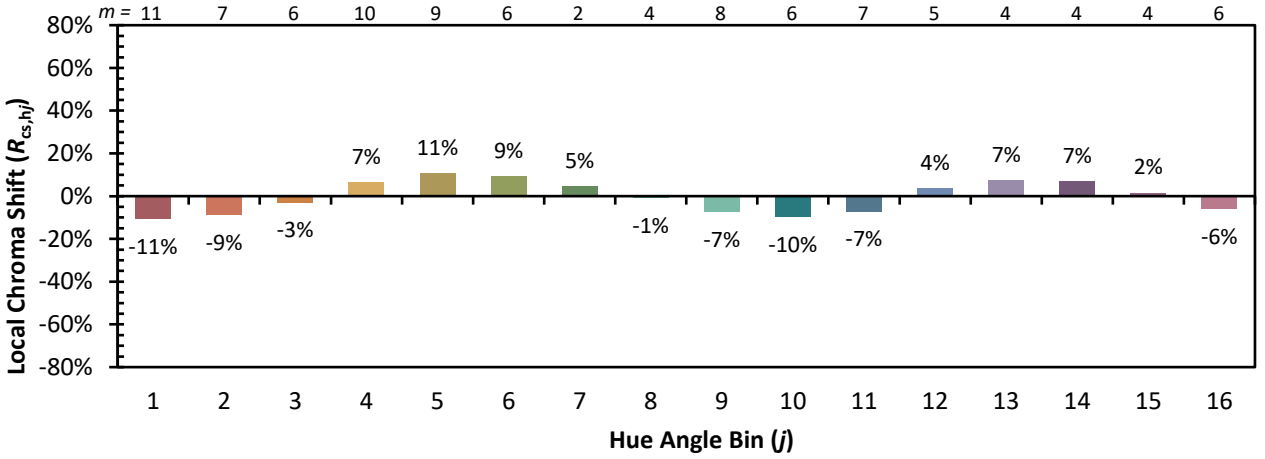
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

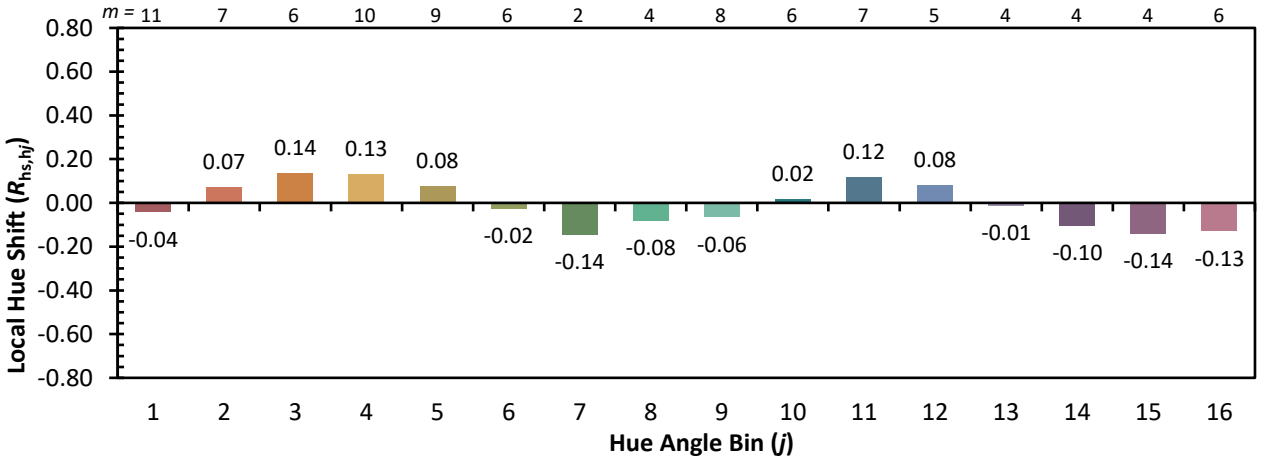


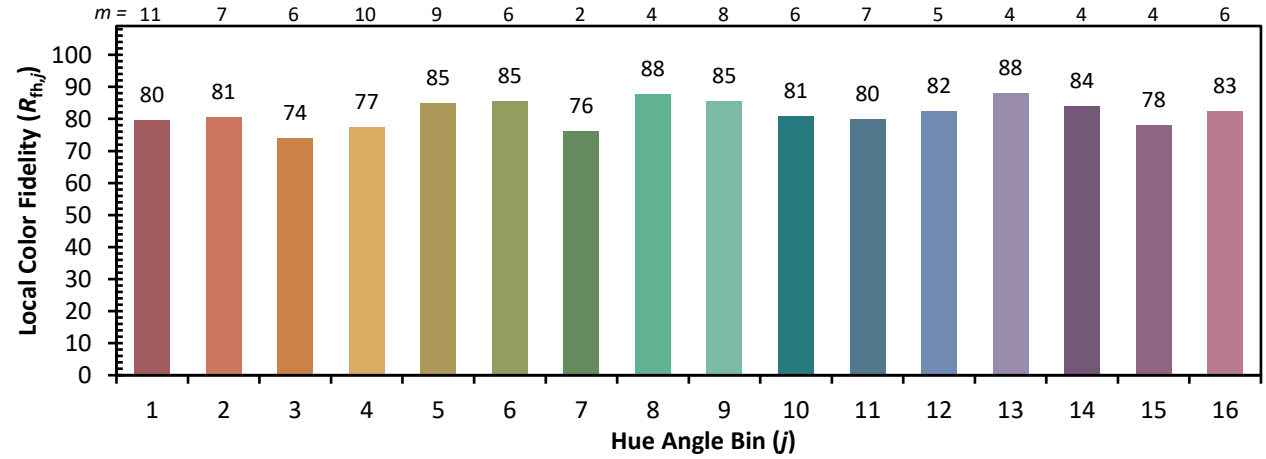
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Color Rendition by Hue-Angle Bin



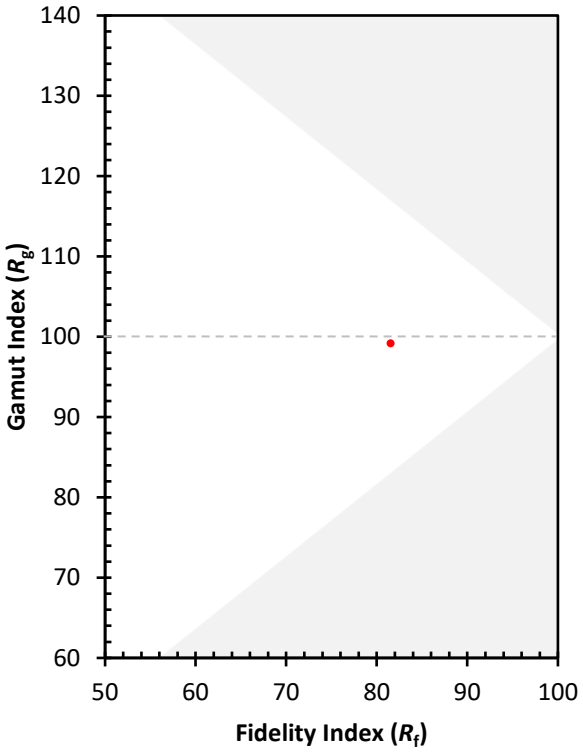


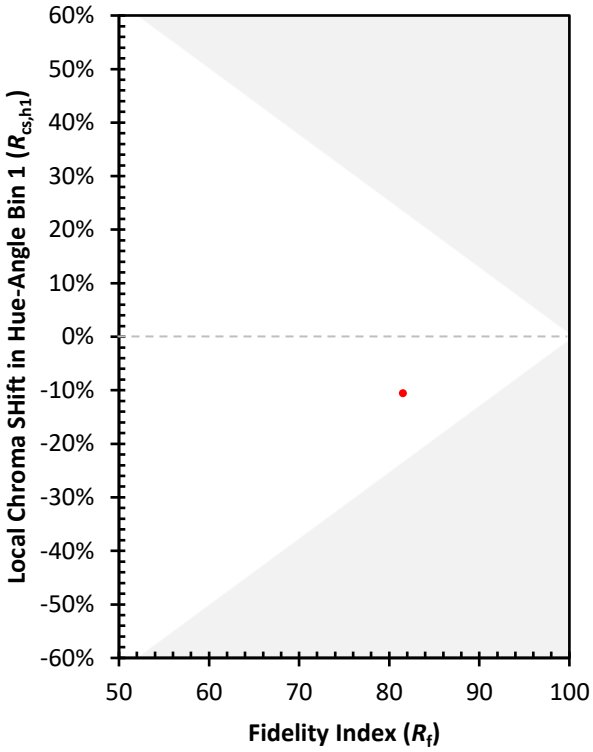


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Measure Comparisons





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