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: P1202002

Luminaire Tested: GWC-SB1C-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:	P1202002
	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-SB1C-830-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 615mA 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:	5211 lumens
Efficiency:	N/A
Efficacy:	95.8 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):	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

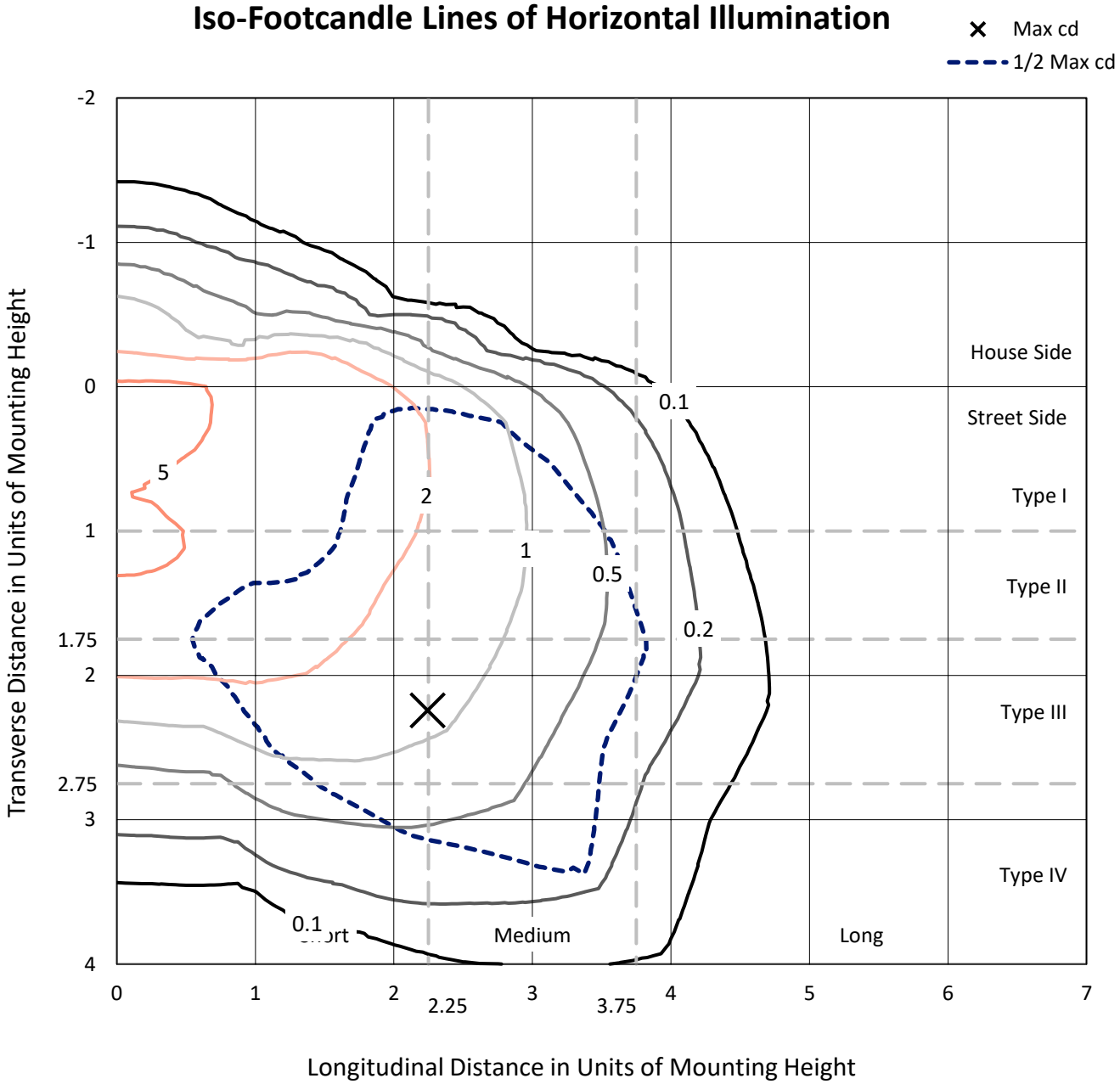


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REPORT NUMBER: P1202002
CATALOG NUMBER: GWC-SB1C-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



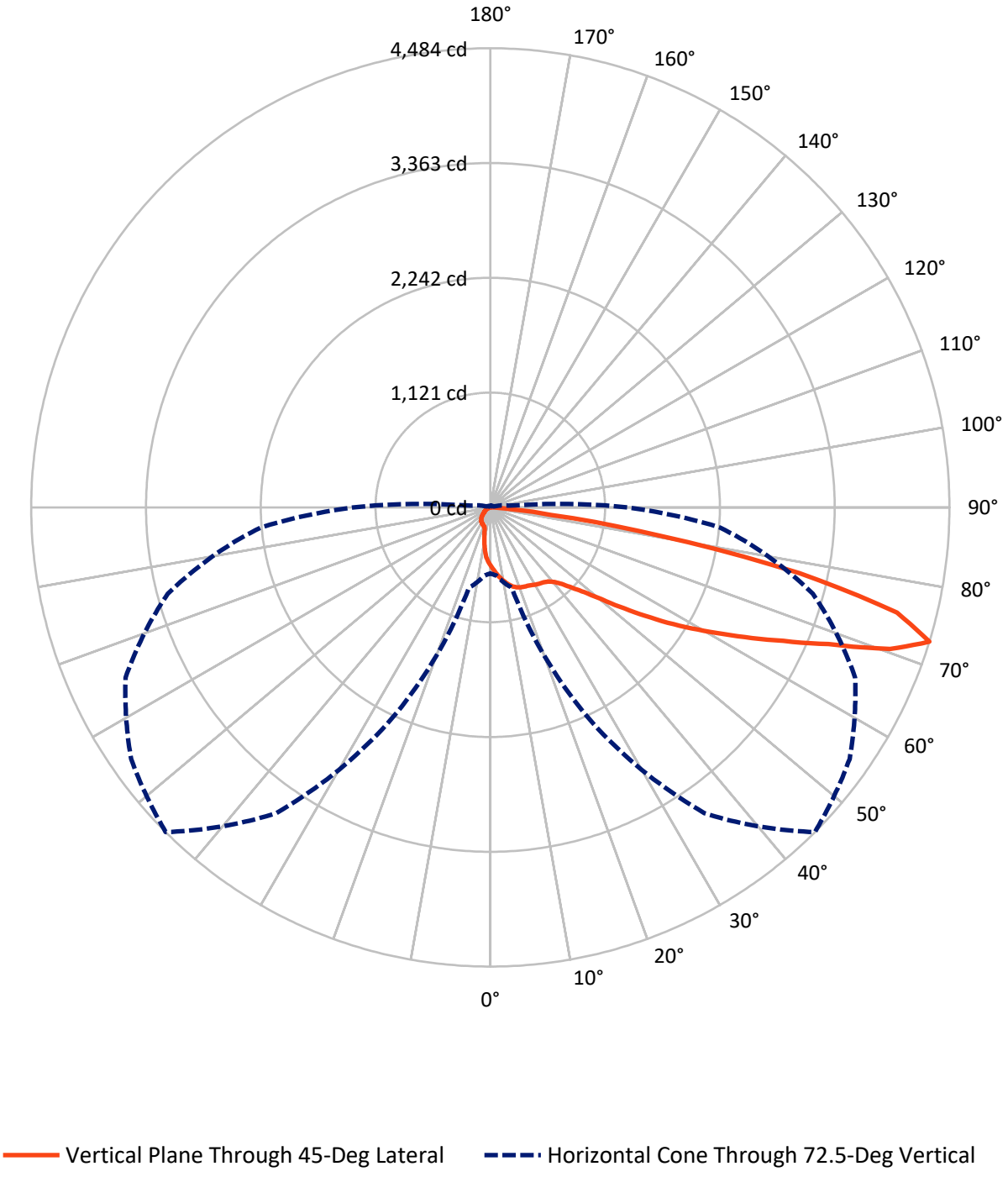
Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
Type IV - Short - N/A

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REPORT NUMBER: P1202002
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Luminous Intensity Polar Plot



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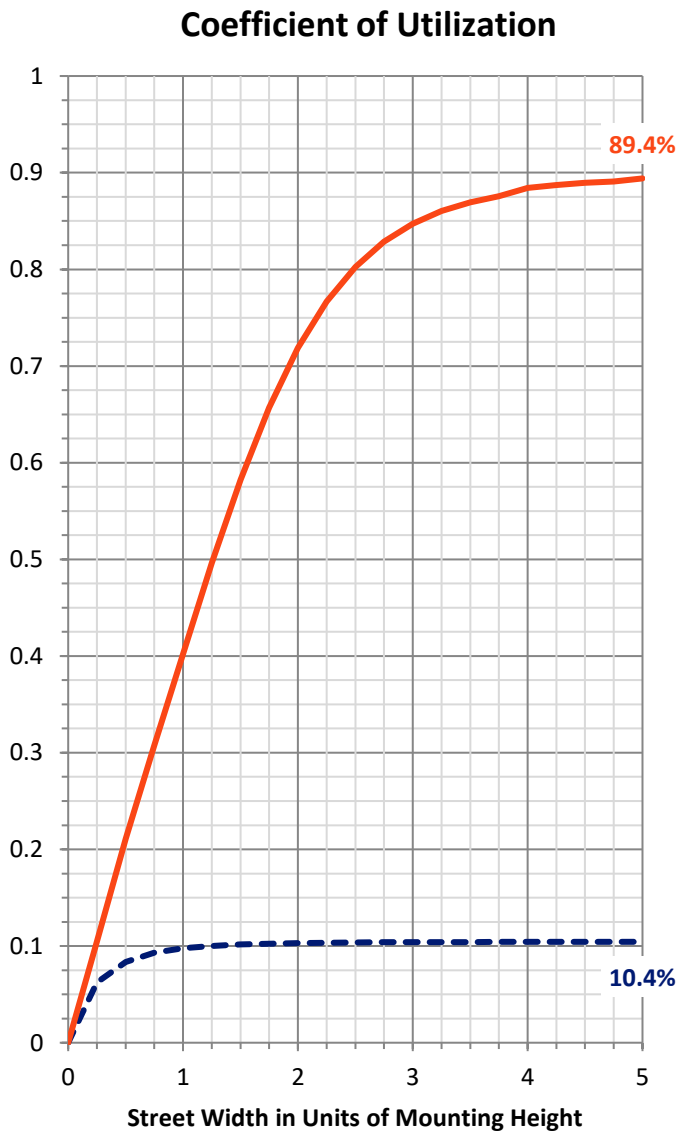
REPORT NUMBER: P1202002
CATALOG NUMBER: GWC-SB1C-830-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.5	0.0	547.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4663.5	0.0	4663.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	5211.0	0.0	5211.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.8	1.0
10°-20°	157.2	3.0
20°-30°	258.1	5.0
30°-40°	366.1	7.0
40°-50°	605.1	11.6
50°-60°	1087.1	20.9
60°-70°	1509.5	29.0
70°-80°	1094.9	21.0
80°-90°	79.2	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°	5211.0	100.0
0°-180°	5211.0	100.0



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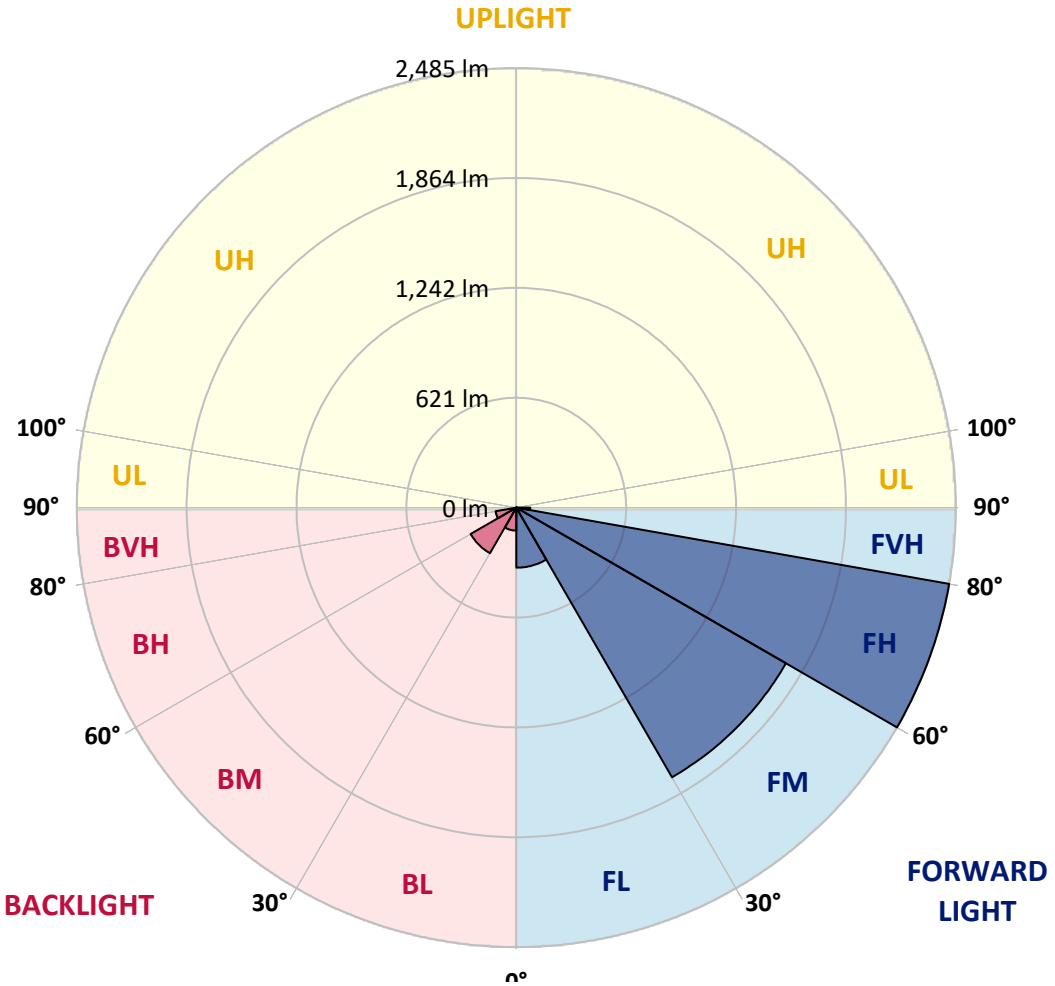
Scaled Data Report

REPORT NUMBER: P1202002
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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°)	339.4	6.5			
FM	(30°-60°)	1760.6	33.8			
FH	(60°-80°)	2485.0	47.7			G2/5000
FVH	(80°-90°)	78.5	1.5			G1/100
BL	(0°-30°)	129.7	2.5	B1/500		
BM	(30°-60°)	297.8	5.7	B1/1000		
BH	(60°-80°)	119.4	2.3	B1/500		G1/500
BVH	(80°-90°)	0.7	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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REPORT NUMBER: P1202002
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	570.9	570.9	570.9	570.9	570.9	*570.9*	570.9	570.9	570.9	570.9	570.9
2.5°	623.5	624.6	623.9	619.6	612.5	*608.6*	606.4	599.3	594.7	586.5	578.0
5°	680.8	685.1	682.6	674.0	660.5	*650.9*	648.1	633.5	620.3	605.0	587.2
7.5°	741.6	743.7	739.1	728.1	709.9	*693.6*	691.1	670.8	649.8	626.4	602.2
10°	794.2	796.7	789.6	773.6	753.0	*732.7*	729.2	706.7	681.9	653.0	622.1
12.5°	838.4	840.8	831.6	812.4	789.6	*768.6*	765.1	741.6	714.2	682.2	643.8
15°	871.8	876.4	864.0	843.3	818.8	*797.8*	796.0	772.9	746.2	710.7	669.8
17.5°	891.3	896.0	884.2	859.3	838.4	*820.6*	818.4	799.2	774.3	740.2	695.0
20°	894.6	898.8	886.4	864.7	847.2	*833.0*	831.9	818.1	799.9	767.2	722.4
22.5°	884.9	890.3	878.9	861.5	849.4	*841.9*	840.5	832.7	822.3	794.6	748.0
25°	875.0	879.3	870.7	855.4	849.0	*848.3*	849.4	848.0	845.8	822.3	777.9
27.5°	874.3	878.9	869.3	854.7	851.2	*858.6*	859.7	866.5	868.2	847.6	806.7
30°	880.3	883.5	874.3	859.0	857.2	*874.3*	874.6	886.7	889.6	868.9	835.2
32.5°	893.5	897.0	887.8	865.4	862.9	*886.7*	887.8	903.8	908.4	891.7	865.0
35°	924.4	928.7	918.0	883.2	874.3	*898.5*	901.7	920.5	929.8	915.9	896.0
37.5°	1001.6	989.2	974.6	919.1	900.2	*917.0*	922.3	944.3	960.7	944.7	933.0
40°	1193.3	1154.2	1108.7	980.3	945.8	*956.4*	960.7	982.8	1005.2	989.5	983.8
42.5°	1481.1	1434.8	1361.6	1121.1	1014.4	*1019.8*	1023.0	1042.2	1073.8	1061.4	1062.8
45°	1737.5	1720.8	1646.1	1361.6	1142.8	*1116.5*	1120.4	1130.4	1177.0	1172.3	1181.6
47.5°	1934.6	1925.0	1867.4	1637.6	1359.8	*1234.9*	1246.0	1250.6	1317.8	1334.2	1359.1
50°	2086.1	2082.5	2031.0	1883.0	1643.3	*1409.6*	1413.5	1403.5	1504.2	1544.7	1592.1
52.5°	2229.1	2241.2	2203.1	2111.0	1946.0	*1638.3*	1637.6	1590.6	1726.5	1787.7	1868.4
55°	2358.2	2362.5	2366.4	2343.6	2250.4	*1898.7*	1891.9	1815.1	1984.4	2047.7	2135.2
57.5°	2479.5	2481.3	2516.1	2562.7	2567.3	*2178.2*	2165.8	2073.6	2266.1	2311.2	2365.0
60°	2560.9	2569.1	2642.7	2772.2	2828.8	*2466.7*	2459.9	2366.0	2552.8	2573.7	2563.8
62.5°	2443.6	2493.4	2679.0	2935.8	3075.6	*2786.4*	2783.2	2695.0	2854.4	2837.3	2751.9
65°	1978.0	2062.3	2388.8	3046.5	3317.8	*3143.6*	3148.2	3054.3	3164.2	3108.7	2904.9
67.5°	1383.6	1472.5	1858.8	3055.3	3588.5	*3562.9*	3589.6	3442.3	3493.2	3368.7	2941.2
70°	956.8	1002.7	1254.1	2864.0	3799.4	*4140.5*	4139.8	3918.9	3820.4	3487.1	2756.2
72.5°	*643.4*	*667.3*	*814.5*	*2272.1*	*3644.4*	*4483.8*	*4463.1*	*4283.2*	*3930.7*	*3261.3*	*2251.8*
75°	271.4	288.8	377.0	1276.9	2883.2	*4102.1*	4046.3	3785.2	3492.5	2568.1	1405.0
77.5°	86.1	93.5	148.7	457.1	1588.1	*3083.4*	3024.4	2363.9	2340.8	1288.3	513.6
80°	40.9	47.7	83.6	183.5	624.9	*1677.1*	1668.9	1072.4	1006.9	347.9	103.1
82.5°	17.8	21.0	46.2	98.2	279.6	*598.3*	610.4	364.9	302.0	132.0	31.7
85°	5.7	7.5	21.3	45.2	118.1	*148.7*	146.9	86.8	121.6	71.8	11.0
87.5°	0.0	0.0	7.1	10.3	12.1	*8.5*	9.6	7.5	33.8	19.9	3.9
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: P1202002
CATALOG NUMBER: GWC-SB1C-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	570.9	570.9	570.9	570.9	570.9	570.9	570.9	570.9	570.9	570.9	570.9
2.5°	573.7	568.0	558.1	548.8	540.6	532.5	527.5	520.4	519.7	519.7	521.4
5°	577.6	568.4	550.6	531.8	510.1	489.4	468.8	448.9	442.5	437.8	440.0
7.5°	589.0	574.4	546.3	510.4	469.1	424.0	392.3	358.2	345.0	337.9	339.0
10°	605.4	585.5	542.8	479.8	413.0	351.4	306.2	269.3	255.0	249.0	249.0
12.5°	623.5	599.0	536.4	441.8	351.4	277.8	233.7	216.6	214.5	214.5	214.5
15°	645.2	615.3	525.3	396.9	287.0	219.8	204.2	204.9	207.0	208.4	208.4
17.5°	667.6	632.8	507.9	346.8	230.1	197.8	198.1	199.2	201.0	202.4	202.4
20°	691.8	650.2	484.8	293.4	197.4	191.4	192.4	193.5	194.9	195.6	196.0
22.5°	717.8	666.6	457.4	241.2	186.4	186.0	186.4	187.4	189.2	189.2	189.9
25°	745.5	684.7	426.1	203.1	180.7	180.7	181.4	182.1	183.5	183.5	183.9
27.5°	774.0	701.4	393.0	183.2	175.7	175.4	175.4	176.4	177.1	177.5	177.8
30°	805.3	721.0	360.0	178.9	171.8	170.0	169.0	169.7	170.4	170.7	171.4
32.5°	837.3	739.8	330.4	180.7	167.9	164.7	161.1	160.4	160.4	161.8	162.9
35°	872.9	760.5	307.7	186.7	165.7	156.9	151.2	148.0	148.3	150.5	151.5
37.5°	915.5	785.4	291.0	192.1	164.3	148.0	138.7	134.8	132.3	134.8	134.1
40°	971.4	822.0	278.9	196.3	162.5	137.7	125.2	118.8	114.2	115.6	114.9
42.5°	1053.5	879.6	274.2	196.7	158.6	125.6	111.3	102.8	96.0	96.4	95.0
45°	1168.8	970.7	298.1	192.1	150.1	112.4	96.7	85.4	81.1	80.0	78.6
47.5°	1326.7	1103.3	353.2	182.5	137.7	99.6	82.5	72.9	69.7	67.9	66.9
50°	1538.3	1273.7	414.4	171.8	125.2	87.5	70.8	64.7	62.6	60.8	60.5
52.5°	1783.8	1446.6	464.5	161.1	112.8	76.8	63.3	59.8	58.0	56.6	56.2
55°	2008.9	1565.7	461.7	149.7	100.7	68.3	58.0	55.8	53.7	52.3	51.6
57.5°	2149.1	1582.4	380.6	137.3	86.8	61.5	53.0	51.6	49.1	47.3	47.0
60°	2213.4	1487.1	266.8	120.9	72.9	55.1	47.7	47.0	43.7	41.3	40.5
62.5°	2225.2	1310.0	177.8	100.7	60.8	49.1	42.3	41.3	37.0	32.7	30.6
65°	2177.5	1056.7	123.1	78.6	51.9	42.7	36.3	34.1	29.5	25.3	23.8
67.5°	2026.7	742.0	85.7	56.6	44.1	33.8	28.8	28.1	24.5	21.0	19.9
70°	1750.3	422.9	57.3	42.3	34.9	23.1	22.8	23.5	19.9	17.1	15.7
72.5°	*1342.0*	*193.5*	*35.6*	*30.9*	*23.8*	*15.7*	*18.1*	*18.5*	*15.3*	*12.8*	*11.4*
75°	790.0	82.9	22.4	19.9	12.1	10.3	13.2	13.5	10.3	8.2	7.1
77.5°	268.9	31.3	14.2	11.7	6.0	5.7	8.5	8.5	5.7	3.2	2.5
80°	61.2	11.7	7.1	4.6	2.8	2.5	2.8	2.5	1.4	0.4	0.0
82.5°	17.4	4.6	2.8	1.8	1.1	1.1	0.4	0.0	0.0	0.0	0.0
85°	5.0	2.1	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	0.4	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

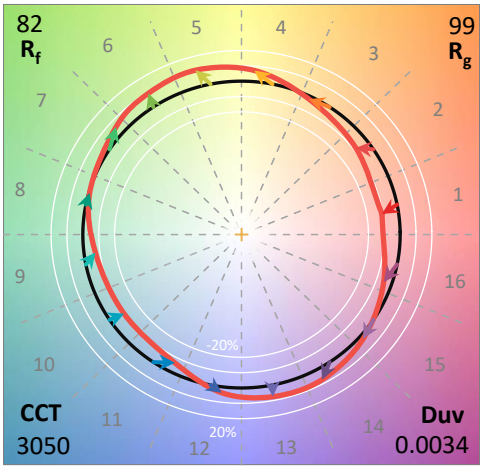
Test Information

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

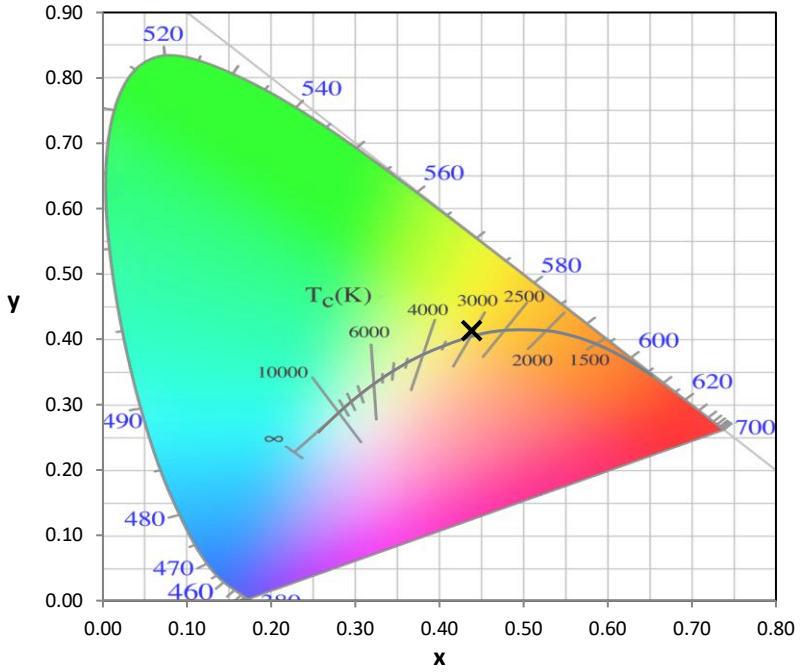
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

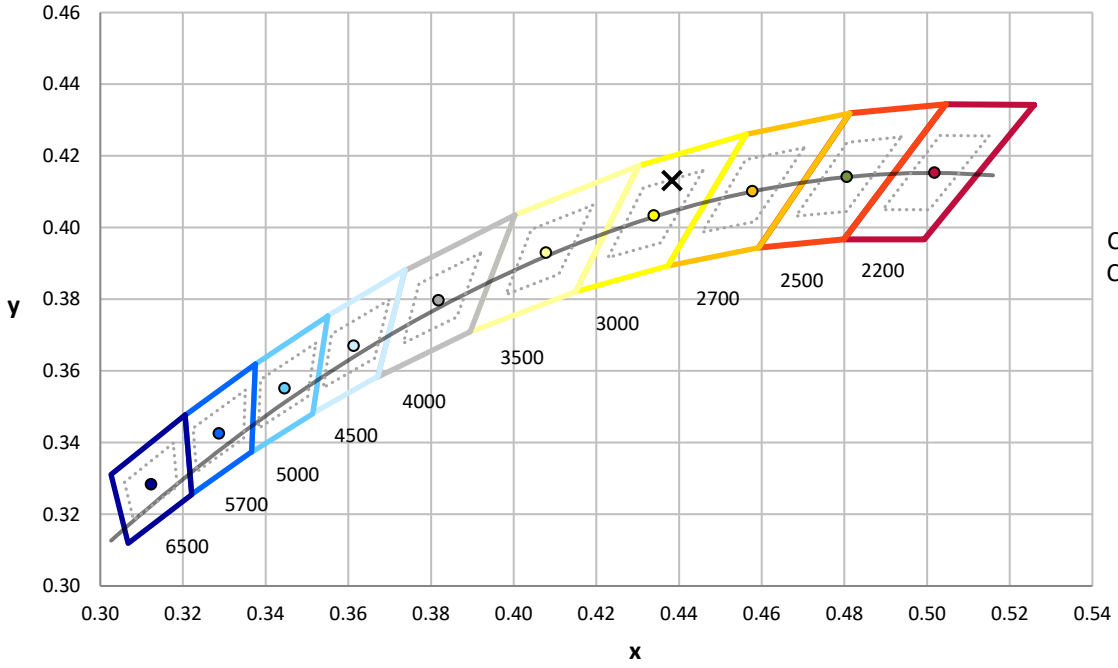
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

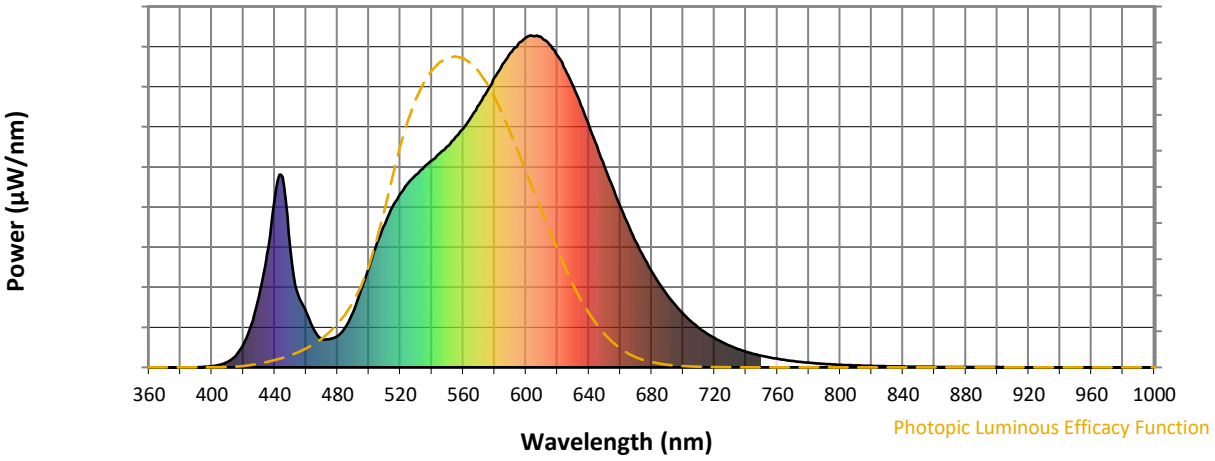


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

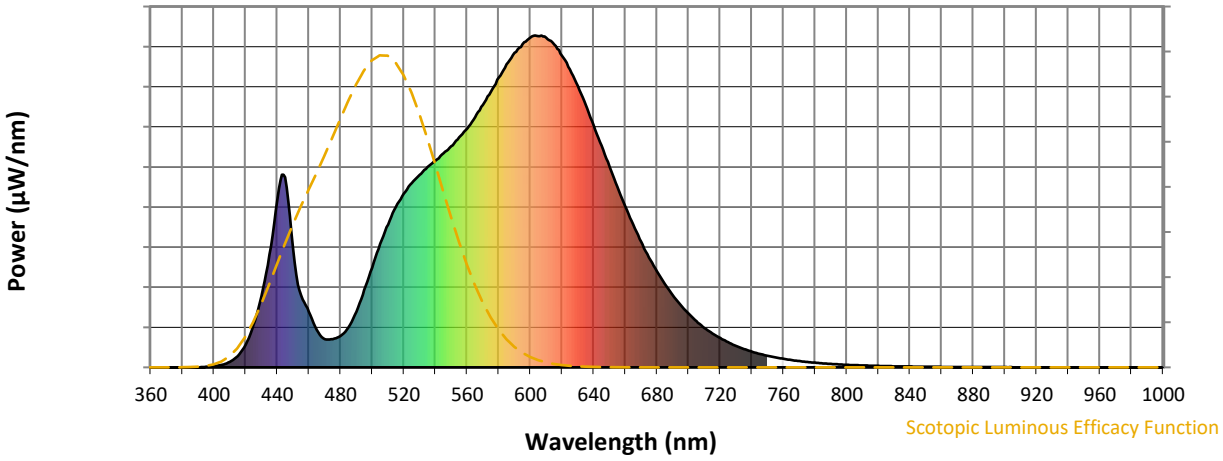


Photopic Lumens: NR

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

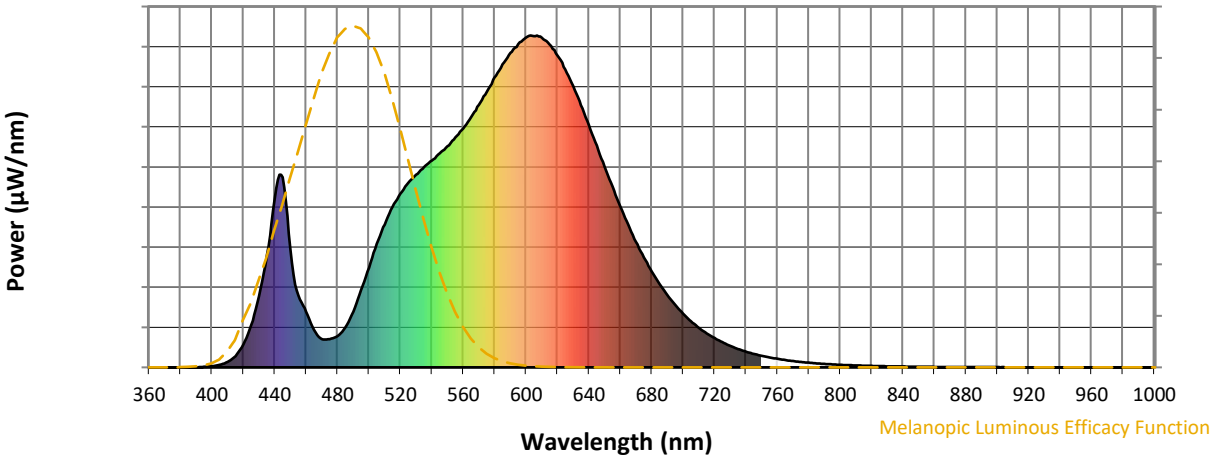


Scotopic Lumens: NR **S/P: 1.27**

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			

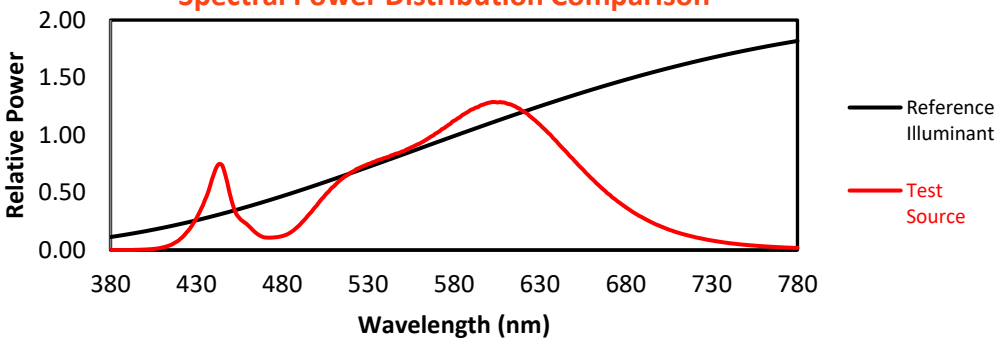
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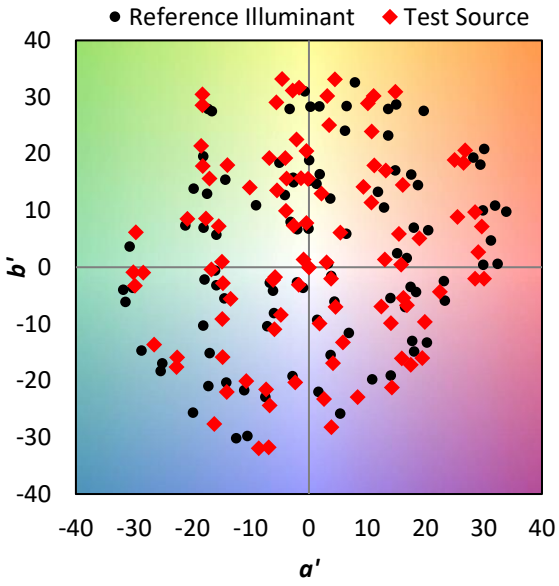
Summary

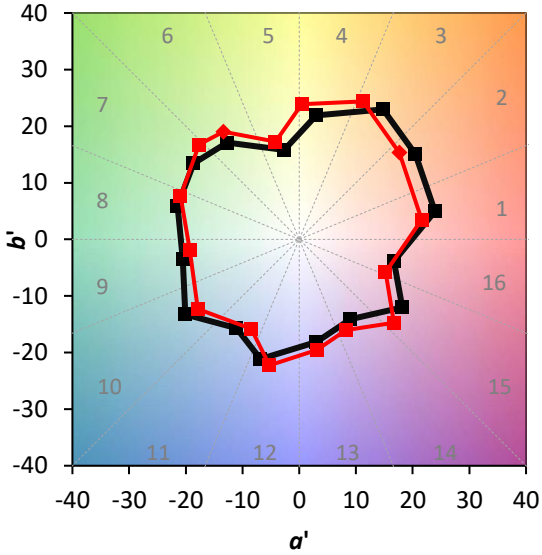
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

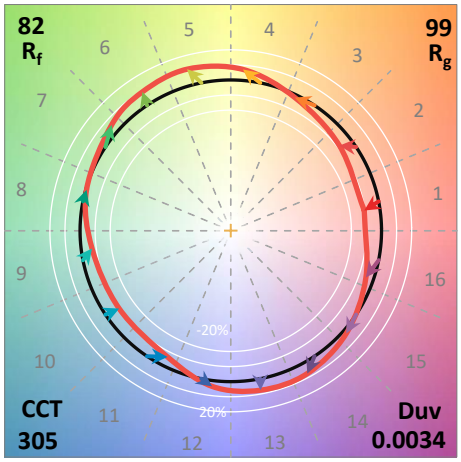
Spectral Power Distribution Comparison

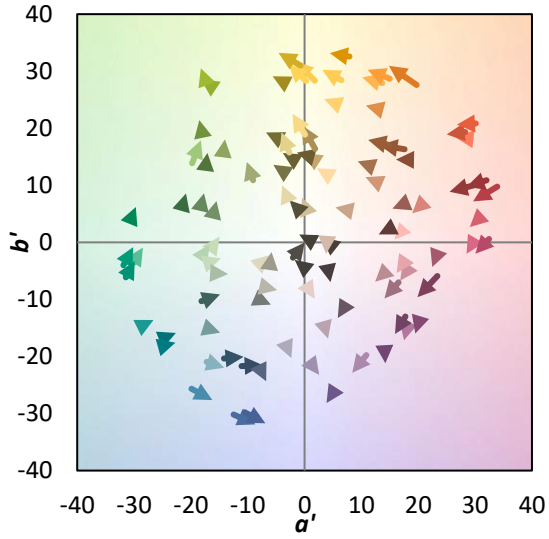


Color Vector Graphics







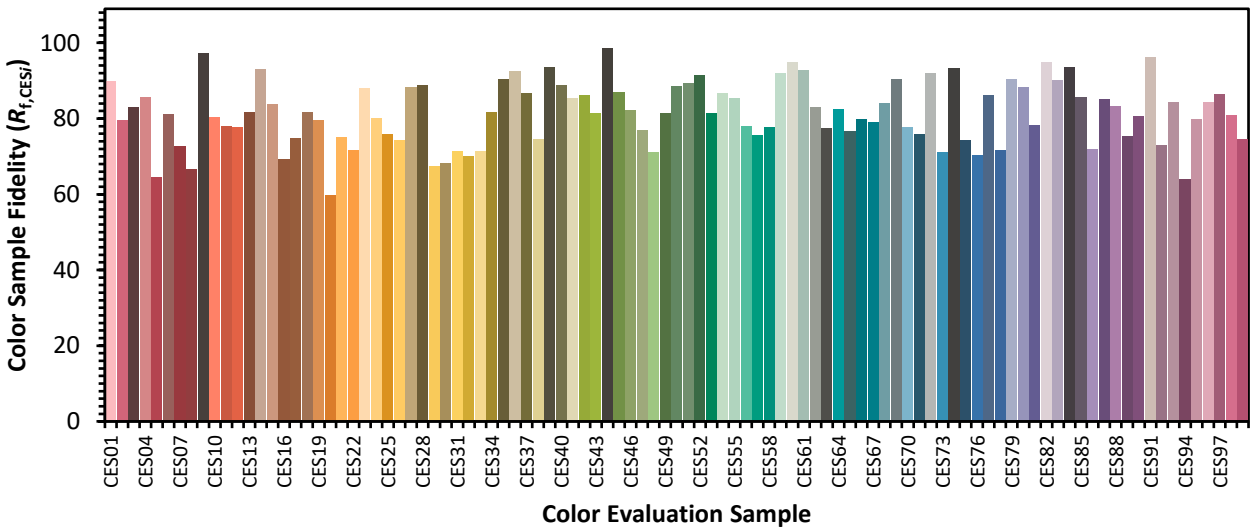


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Individual Sample Fidelity Index ($R_{f,i}$)

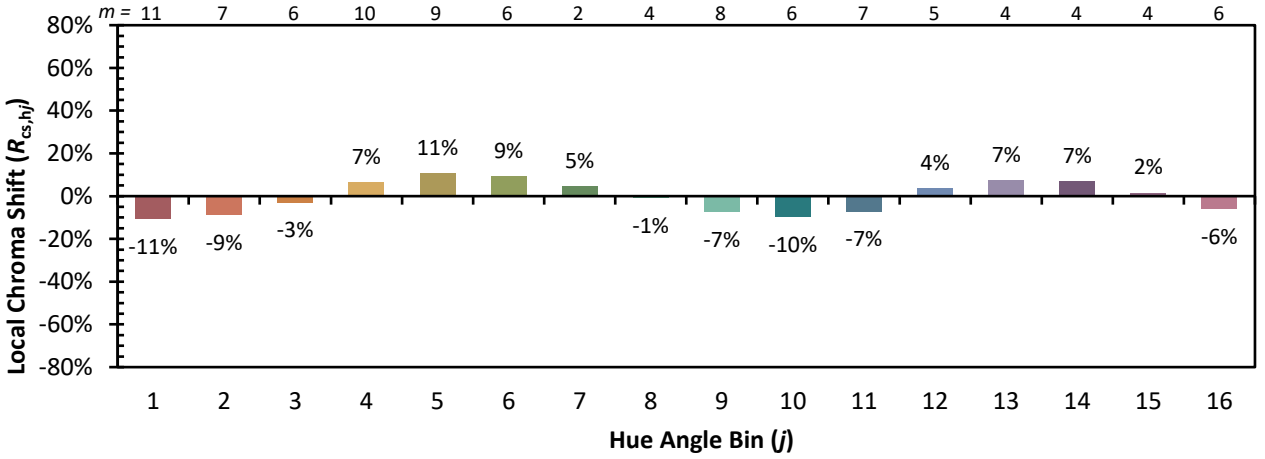
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

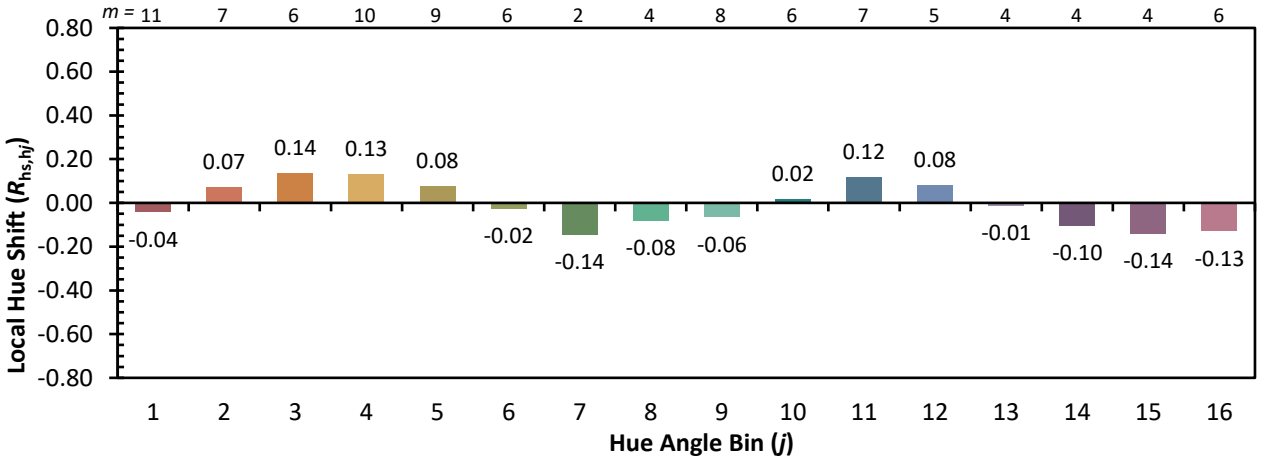


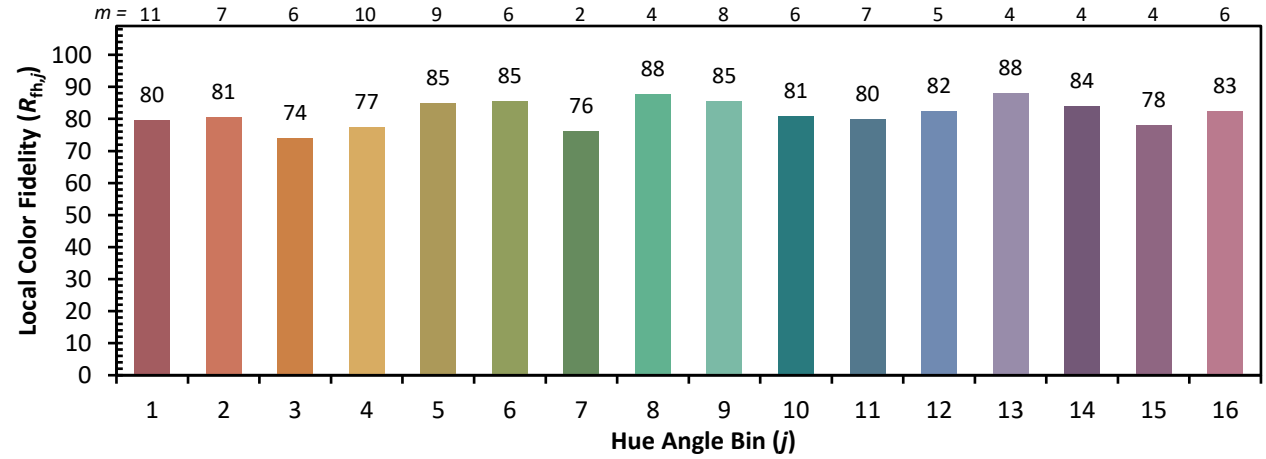
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Color Rendition by Hue-Angle Bin



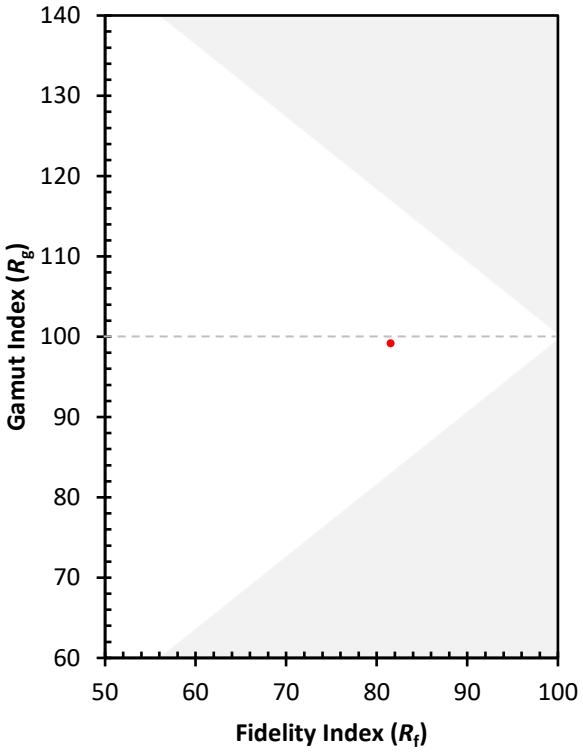


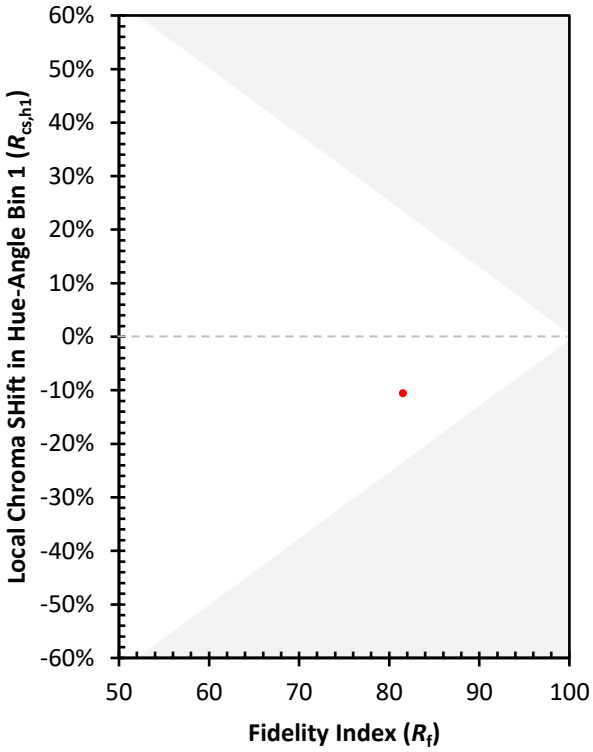


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Measure Comparisons





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