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: P1201622

Luminaire Tested: GWC-SB1B-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:	P1201622
	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-SB1B-830-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3714 lumens
Efficiency:	N/A
Efficacy:	93.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

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

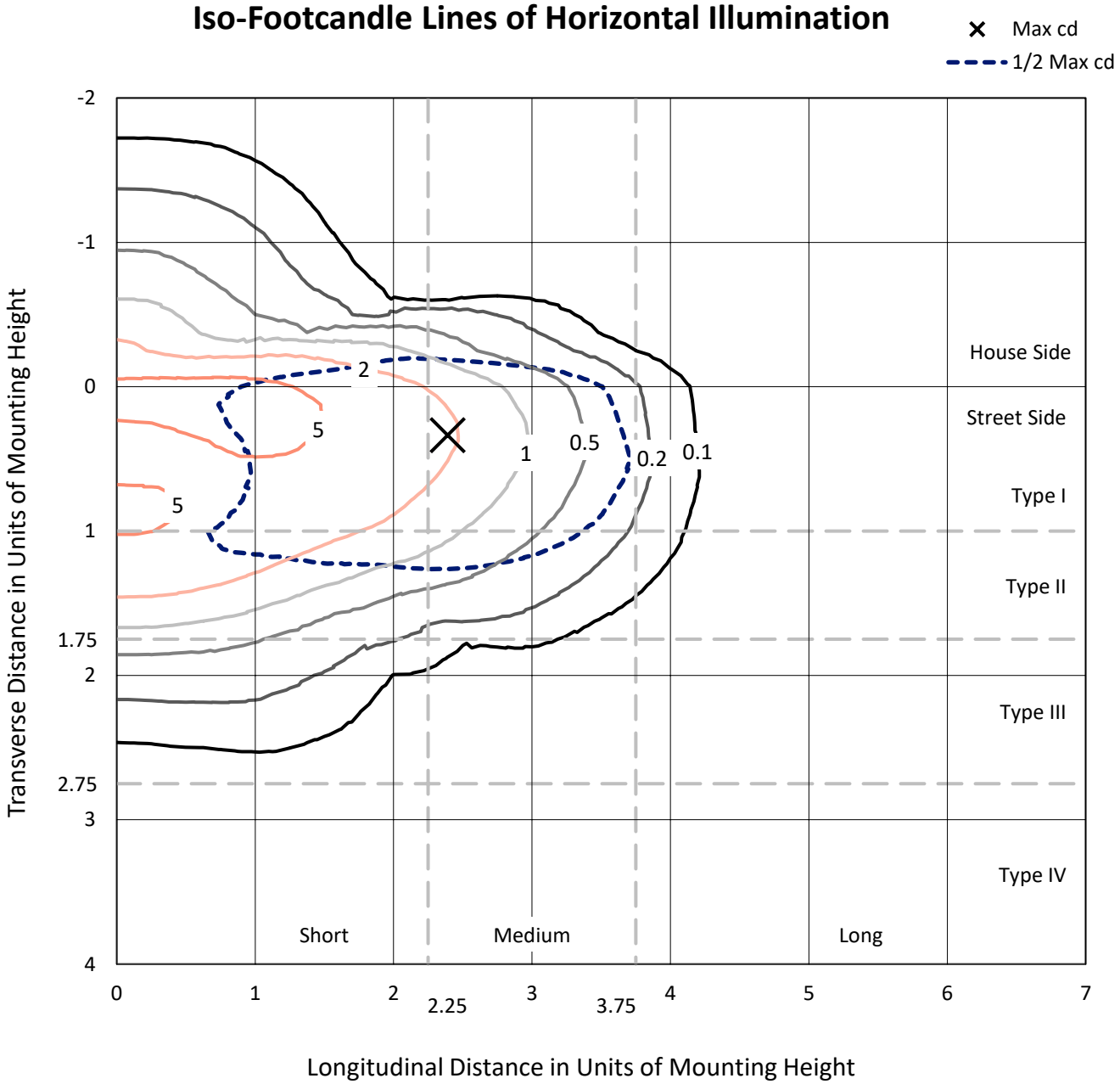


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Scaled Data Report

REPORT NUMBER: P1201622
CATALOG NUMBER: GWC-SB1B-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



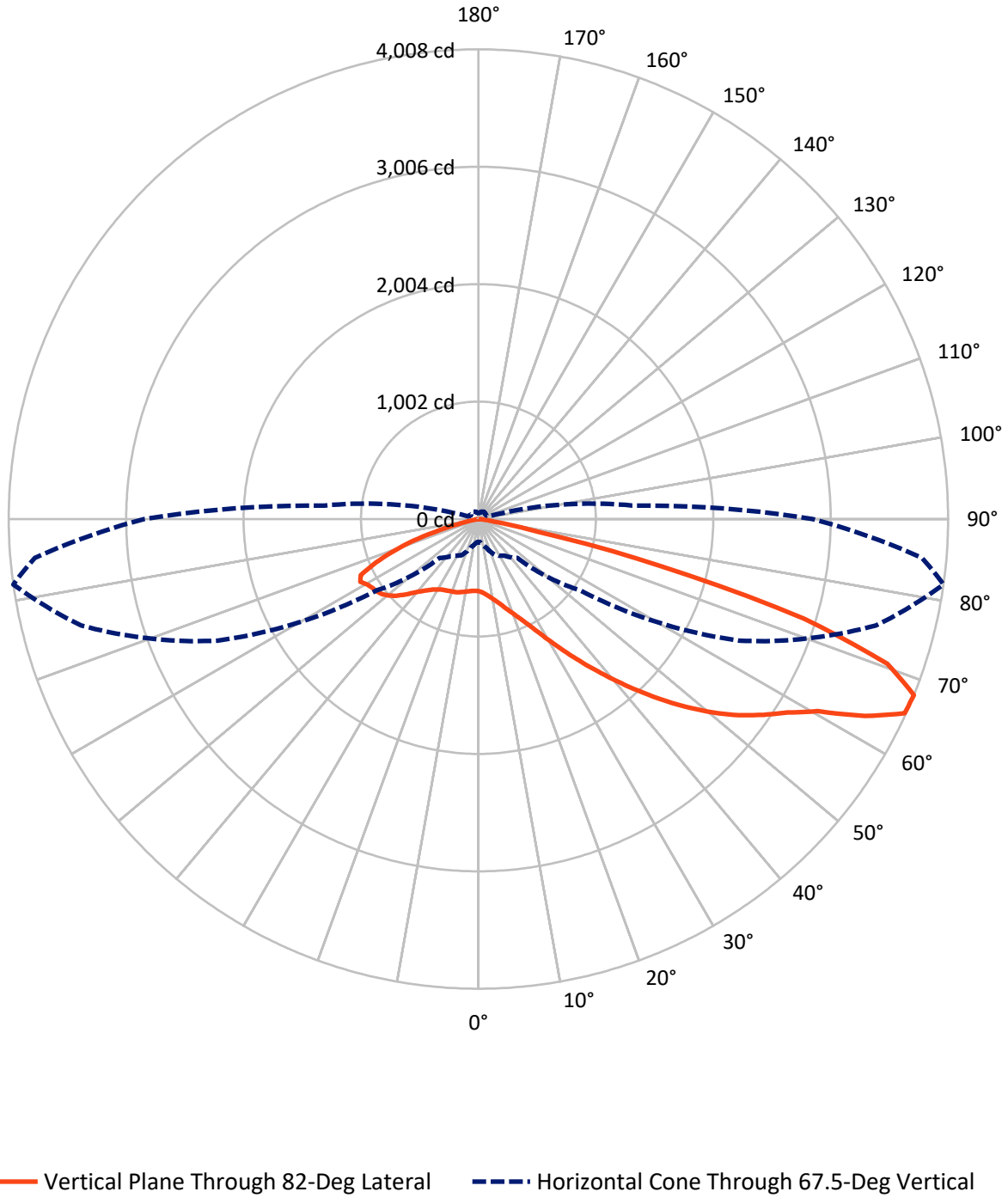
Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
Type II - Medium - N/A

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REPORT NUMBER: P1201622
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Luminous Intensity Polar Plot



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Scaled Data Report

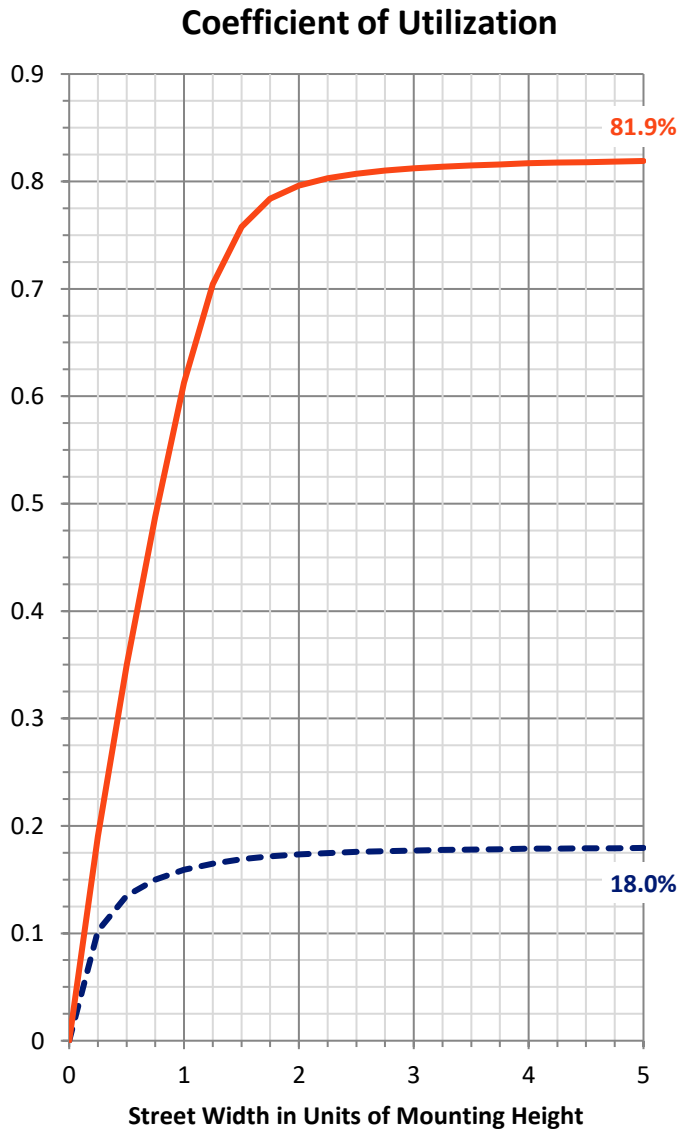
REPORT NUMBER: P1201622
CATALOG NUMBER: GWC-SB1B-830-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	672.7	0.0	672.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3041.2	0.0	3041.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	3714.0	0.0	3714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.5
10°-20°	142.5	3.8
20°-30°	228.2	6.1
30°-40°	403.4	10.9
40°-50°	706.9	19.0
50°-60°	942.8	25.4
60°-70°	877.7	23.6
70°-80°	336.9	9.1
80°-90°	20.9	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°	3714.0	100.0
0°-180°	3714.0	100.0



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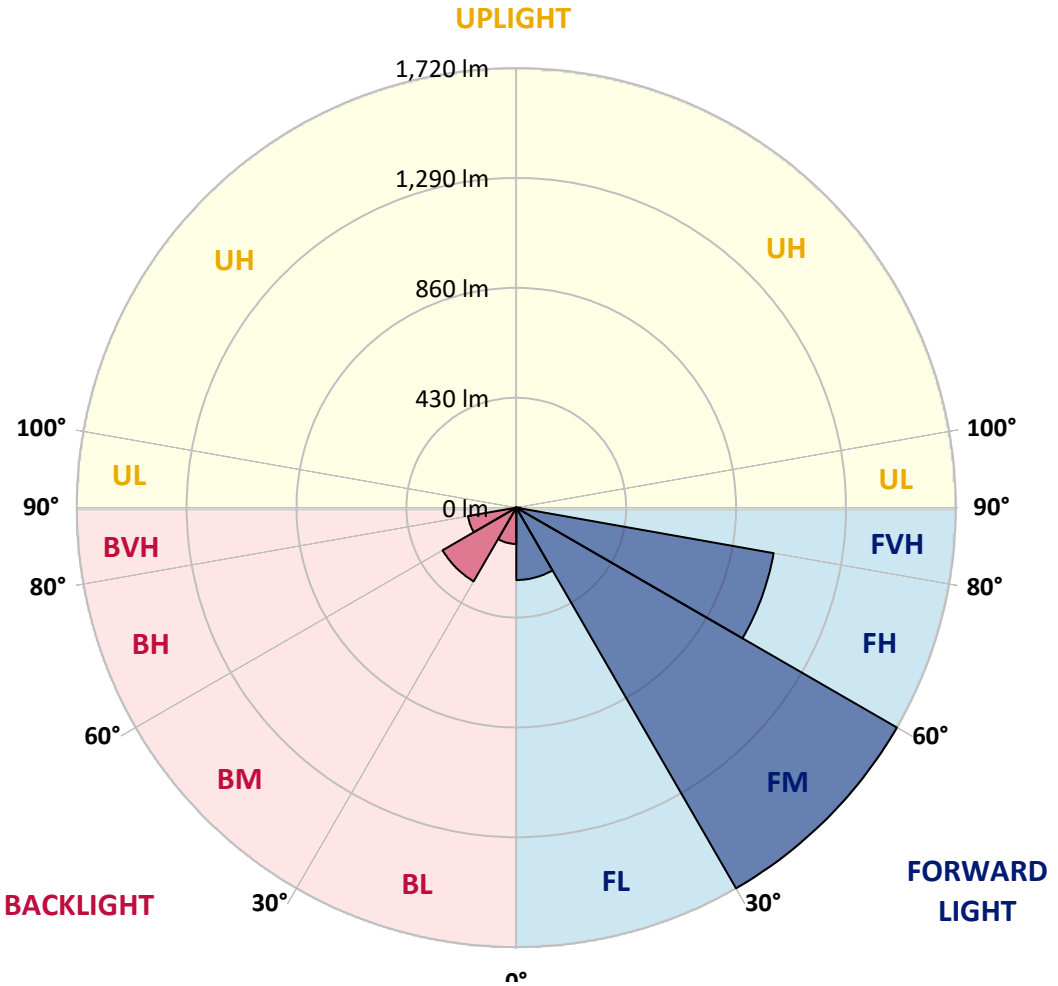
Scaled Data Report

REPORT NUMBER: P1201622
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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°)	283.3	7.6			
FM	(30°-60°)	1720.2	46.3			
FH	(60°-80°)	1022.5	27.5			G1/1800
FVH	(80°-90°)	15.2	0.4			G1/100
BL	(0°-30°)	142.1	3.8	B1/500		
BM	(30°-60°)	332.9	9.0	B1/1000		
BH	(60°-80°)	192.0	5.2	B1/500		G1/500
BVH	(80°-90°)	5.7	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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REPORT NUMBER: P1201622
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3	*615.3*	615.3
2.5°	650.3	654.1	651.9	650.8	649.0	646.3	644.2	637.5	630.5	*626.0*	624.4
5°	663.4	667.2	666.9	668.0	669.3	670.1	669.6	662.1	652.2	*644.4*	639.9
7.5°	652.2	656.5	659.9	665.3	674.6	684.5	689.4	687.7	677.6	*666.9*	661.3
10°	620.4	624.9	633.2	645.8	665.6	686.9	704.9	713.2	706.7	*695.0*	687.2
12.5°	562.1	566.6	582.9	610.2	643.4	680.5	714.8	737.0	738.6	*726.8*	717.7
15°	496.6	501.1	518.5	552.7	603.3	662.9	720.1	762.1	776.3	*766.1*	755.1
17.5°	455.9	459.9	473.0	500.6	553.2	627.6	718.2	788.8	821.2	*813.2*	800.1
20°	443.6	447.1	453.2	472.5	516.3	591.0	705.9	814.0	869.6	*865.0*	850.3
22.5°	456.7	459.9	461.8	470.4	497.9	566.9	690.4	839.6	925.7	*926.3*	908.4
25°	486.9	490.1	488.0	493.4	505.4	559.4	684.5	869.8	996.3	*1002.2*	981.9
27.5°	536.7	536.9	531.9	531.6	533.5	570.6	690.7	902.2	1085.4	*1096.3*	1071.2
30°	636.4	632.4	612.9	591.8	582.1	604.3	707.8	940.4	1190.5	*1210.0*	1178.4
32.5°	790.2	784.3	748.4	697.9	647.1	658.6	738.6	984.0	1304.9	*1340.2*	1301.7
35°	957.0	955.4	918.0	842.8	754.1	735.9	788.6	1041.3	1429.8	*1485.9*	1440.2
37.5°	1112.1	1111.3	1089.9	1001.4	893.4	843.6	868.8	1116.1	1563.5	*1644.8*	1590.8
40°	1253.8	1256.2	1234.8	1155.7	1046.9	981.9	977.9	1208.6	1712.2	*1817.8*	1753.6
42.5°	1376.3	1379.0	1357.3	1298.8	1198.5	1134.8	1111.8	1322.0	1857.4	*2003.6*	1927.7
45°	1459.5	1476.0	1472.8	1426.0	1354.1	1288.1	1272.8	1464.3	2022.9	*2200.7*	2111.6
47.5°	1483.0	1498.2	1522.3	1528.7	1484.9	1419.9	1438.1	1635.7	2190.3	*2398.0*	2296.7
50°	1425.0	1439.1	1489.1	1555.7	1586.2	1566.2	1598.8	1819.4	2361.7	*2594.8*	2478.2
52.5°	1310.5	1325.0	1388.1	1493.4	1617.8	1680.9	1760.0	2000.4	2527.7	*2781.2*	2650.2
55°	1145.0	1160.2	1241.3	1360.5	1557.6	1728.2	1894.5	2181.2	2679.9	*2948.9*	2805.3
57.5°	919.9	931.1	1015.3	1182.2	1406.2	1681.1	1993.7	2378.5	2823.2	*3113.6*	2959.0
60°	599.5	609.4	707.3	893.4	1155.4	1523.9	2013.5	2598.6	3013.6	*3327.8*	3166.3
62.5°	398.7	405.4	463.4	600.0	813.7	1222.0	1897.7	2774.3	3292.7	*3700.5*	3521.6
65°	273.5	280.2	338.3	433.5	525.7	808.3	1564.8	2751.0	3545.7	*3996.5*	3785.0
67.5°	*195.2*	*200.8*	*250.0*	*339.9*	*380.5*	*469.6*	*1060.8*	*2453.6*	*3509.3*	*4007.8*	*3799.2*
70°	139.8	143.1	183.7	264.7	302.4	282.1	589.9	1876.6	3072.7	*3700.8*	3509.9
72.5°	97.9	98.9	127.5	201.6	243.6	205.9	280.8	1251.2	2324.0	*2904.8*	2721.0
75°	66.3	67.7	85.8	147.9	195.5	157.2	148.7	670.9	1364.3	*1607.9*	1441.3
77.5°	40.6	41.2	55.4	101.1	146.3	119.8	95.7	284.2	527.8	*518.2*	441.7
80°	23.0	23.0	35.3	62.8	99.7	77.3	67.1	120.9	167.1	*146.8*	129.4
82.5°	12.8	13.1	25.7	39.0	66.0	45.7	36.9	55.9	72.2	*63.9*	55.6
85°	5.3	5.9	15.8	18.5	31.6	22.7	15.0	23.5	26.7	*23.8*	17.4
87.5°	0.5	0.8	4.8	3.5	3.7	4.5	2.1	4.5	3.7	*3.7*	2.7
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: P1201622
CATALOG NUMBER: GWC-SB1B-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3
2.5°	619.3	615.3	605.1	593.4	577.8	570.4	560.2	553.2	547.4	547.9	542.6
5°	631.3	621.2	598.4	570.1	534.8	509.7	482.9	464.5	449.5	446.3	439.1
7.5°	647.9	631.9	592.0	540.9	481.3	436.1	395.7	369.8	351.4	345.5	339.6
10°	669.3	646.0	583.7	504.3	418.5	361.0	317.7	297.3	284.8	280.5	277.3
12.5°	694.2	662.3	572.8	459.7	353.8	298.4	270.9	260.7	256.7	255.4	254.6
15°	725.5	682.7	556.2	406.7	299.0	260.2	248.4	247.1	247.6	247.1	246.8
17.5°	762.6	704.9	529.2	352.2	262.1	240.7	236.4	237.4	238.8	238.5	238.0
20°	803.3	726.8	494.7	303.8	236.9	226.8	224.3	225.4	226.5	226.0	225.7
22.5°	849.5	750.3	456.4	266.1	220.1	213.9	211.2	211.5	211.5	210.4	209.9
25°	904.9	776.3	416.3	239.3	207.2	202.4	199.2	198.1	196.5	193.3	192.8
27.5°	970.9	803.8	377.8	220.6	197.1	192.5	188.8	186.1	182.1	176.8	176.2
30°	1045.3	837.2	345.2	208.8	189.1	184.5	180.2	176.2	170.3	163.6	163.1
32.5°	1132.7	873.1	321.4	201.1	181.8	177.0	171.9	167.1	160.7	154.0	154.3
35°	1237.0	916.4	307.5	195.7	176.2	169.8	164.2	158.8	154.0	148.1	147.6
37.5°	1350.1	962.4	303.2	193.1	172.5	162.6	156.2	152.4	151.9	148.4	148.1
40°	1473.9	1016.9	306.4	191.5	168.5	155.6	148.7	147.9	149.2	143.1	143.3
42.5°	1604.9	1081.6	311.8	189.6	162.8	148.7	142.0	142.0	140.9	132.4	132.4
45°	1746.6	1156.2	317.1	185.0	156.2	141.7	136.6	134.8	130.2	121.9	121.7
47.5°	1889.4	1232.2	321.1	176.8	148.1	135.8	131.3	127.0	120.3	112.8	112.6
50°	2025.0	1300.4	316.9	164.5	139.0	130.2	125.4	119.5	112.3	107.2	106.4
52.5°	2146.1	1359.5	298.7	150.0	129.4	124.3	120.1	113.9	108.0	102.7	102.1
55°	2251.5	1407.3	266.6	136.4	120.9	119.3	115.0	107.2	99.2	94.7	94.1
57.5°	2352.6	1443.7	226.5	125.1	113.1	113.6	107.2	100.3	92.8	88.0	87.4
60°	2487.1	1492.4	185.8	114.7	104.8	106.4	99.5	94.4	85.0	78.9	78.1
62.5°	2702.1	1568.0	147.6	101.9	95.2	95.7	92.8	86.6	75.4	68.2	67.7
65°	2872.7	1540.2	116.3	88.0	84.2	85.0	85.0	78.3	66.3	58.0	57.2
67.5°	*2853.4*	*1318.8*	*92.8*	*74.3*	*73.8*	*74.3*	*76.2*	*70.6*	*58.8*	*52.1*	*51.1*
70°	2628.5	1049.0	74.3	61.8	64.2	62.8	68.2	64.4	52.9	46.3	45.5
72.5°	2144.8	755.7	56.7	51.1	49.2	51.3	61.5	58.0	44.1	36.6	35.8
75°	1253.3	403.2	42.2	40.4	35.6	42.8	54.5	49.5	33.7	27.0	26.2
77.5°	408.1	140.7	31.0	29.7	26.5	34.5	46.5	41.7	27.5	21.4	20.6
80°	109.4	42.5	21.1	19.5	17.1	25.7	36.9	33.2	19.8	13.9	13.6
82.5°	43.9	17.9	12.3	11.0	9.4	17.6	29.1	26.7	14.7	8.8	8.8
85°	14.2	5.9	4.5	3.5	4.3	11.0	17.4	18.2	10.4	4.5	3.5
87.5°	1.9	0.8	0.8	1.1	0.8	1.9	5.3	5.1	2.9	0.5	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

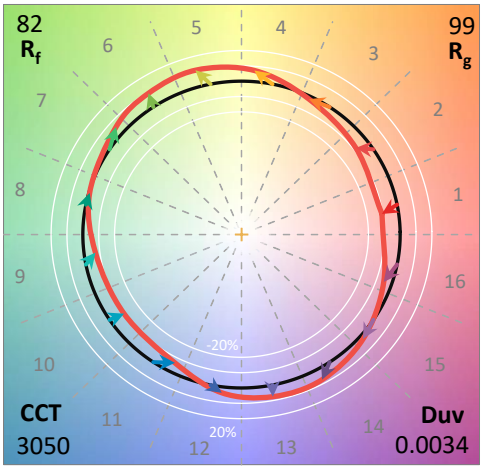
Test Information

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

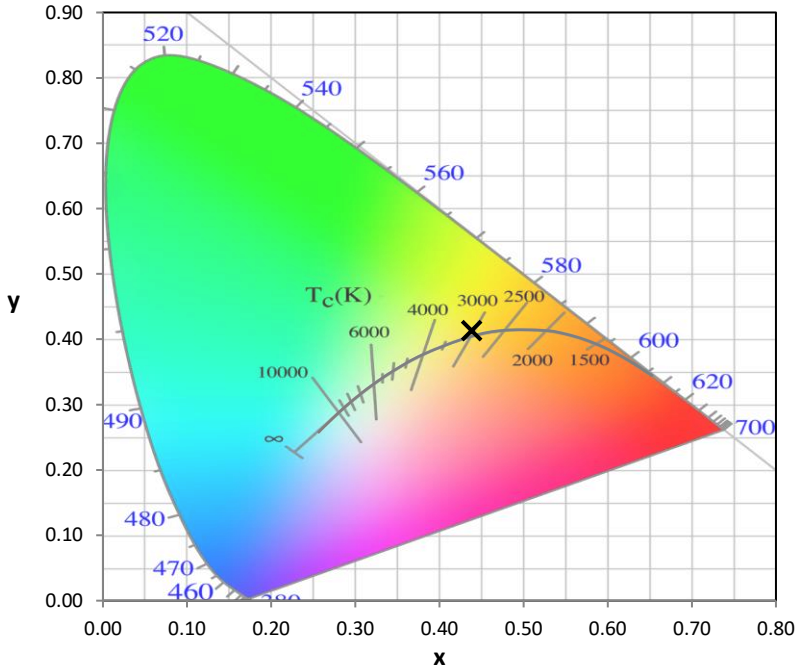
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

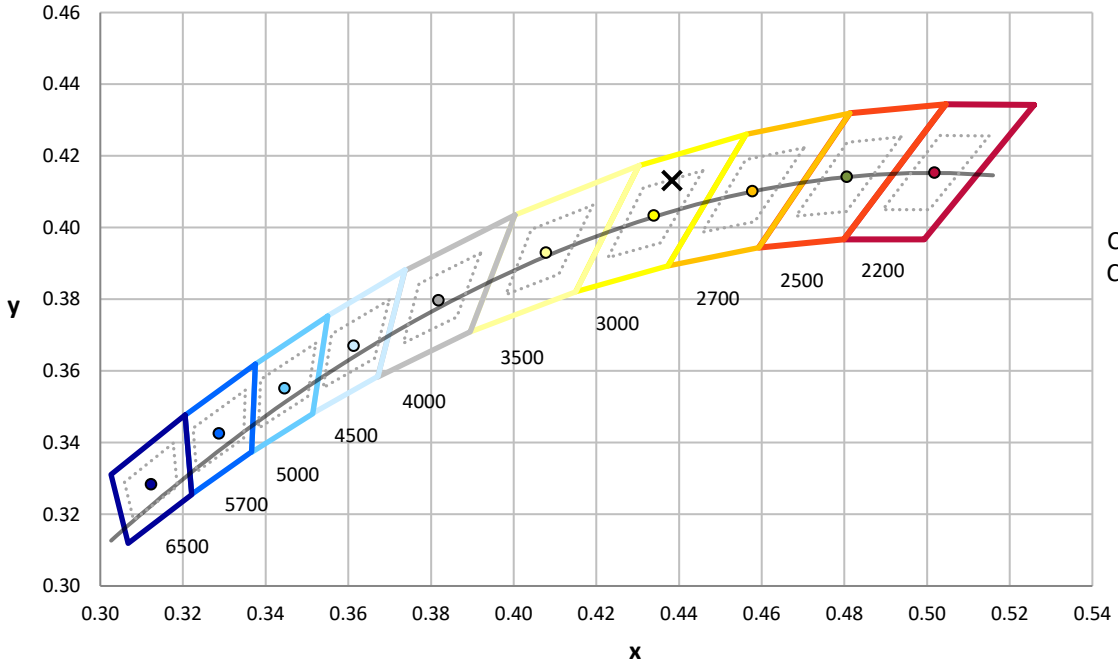
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

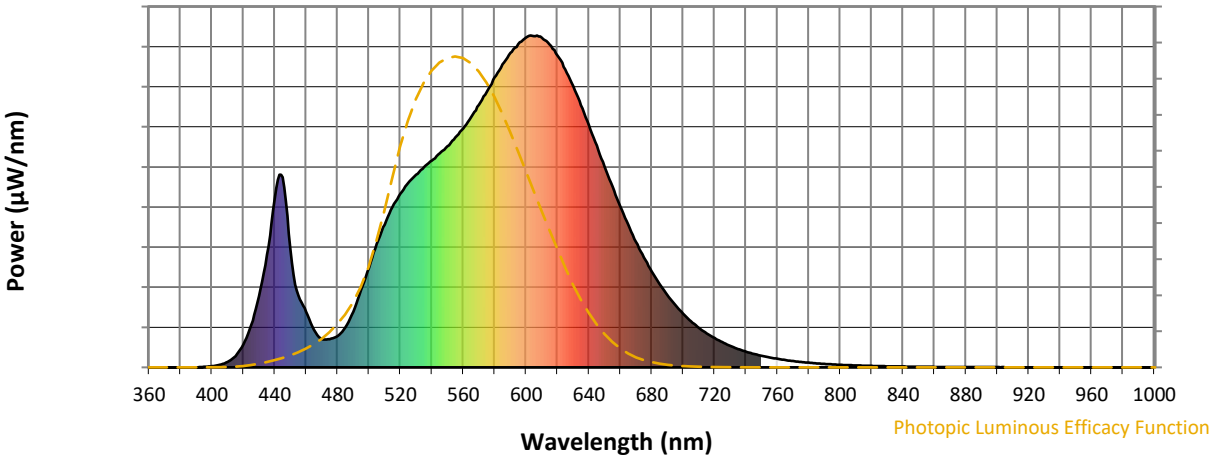


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

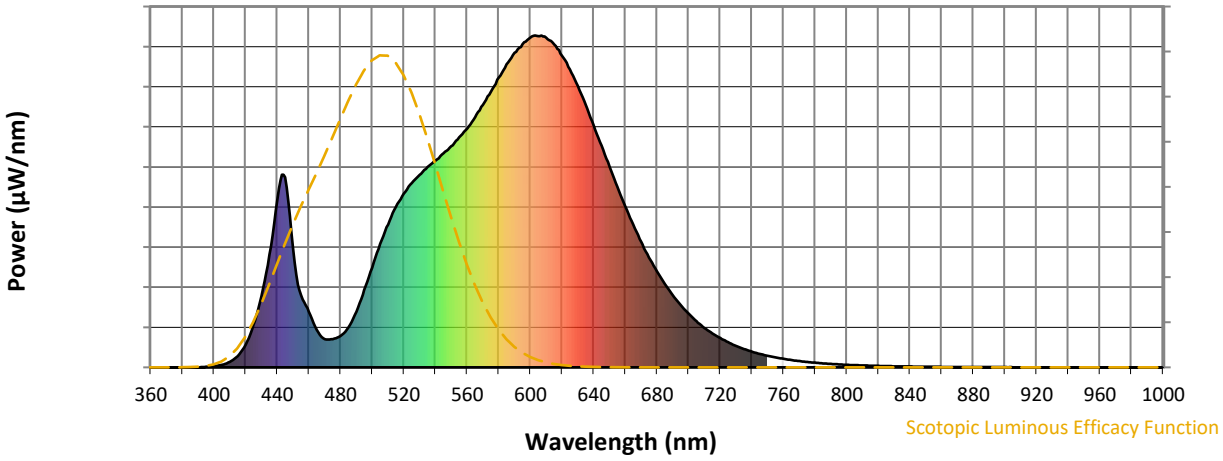


Photopic Lumens: NR

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

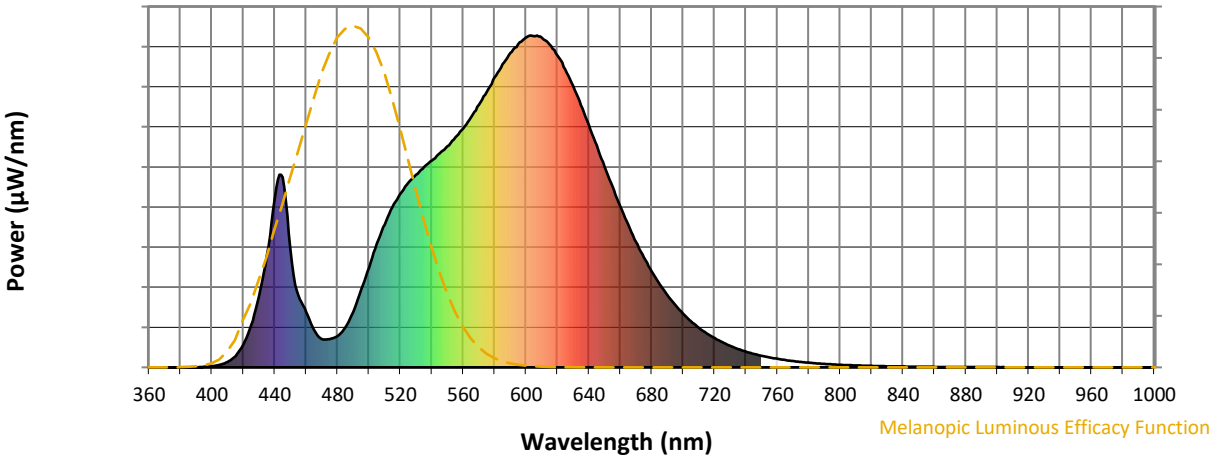


Scotopic Lumens: NR **S/P: 1.27**

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			

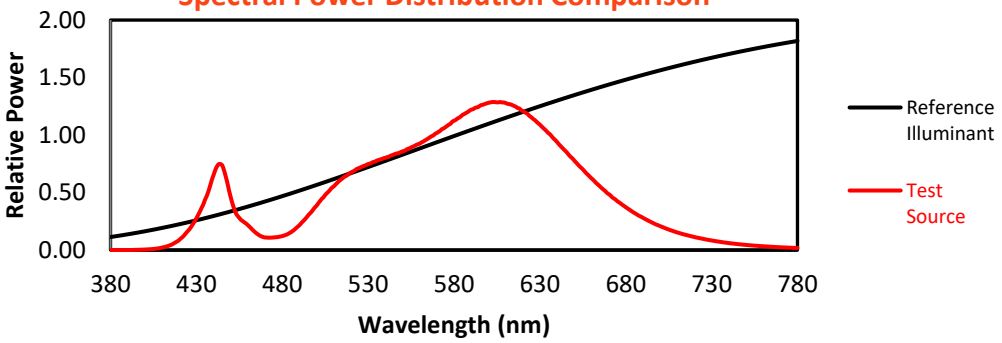
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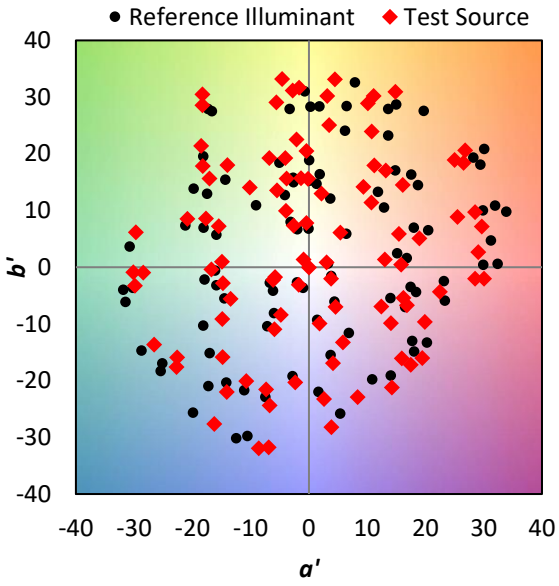
Summary

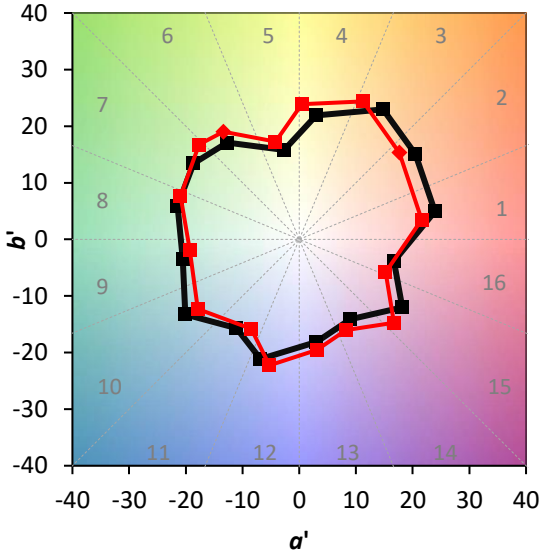
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

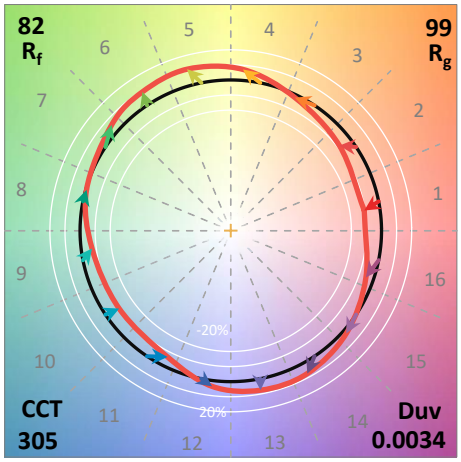
Spectral Power Distribution Comparison

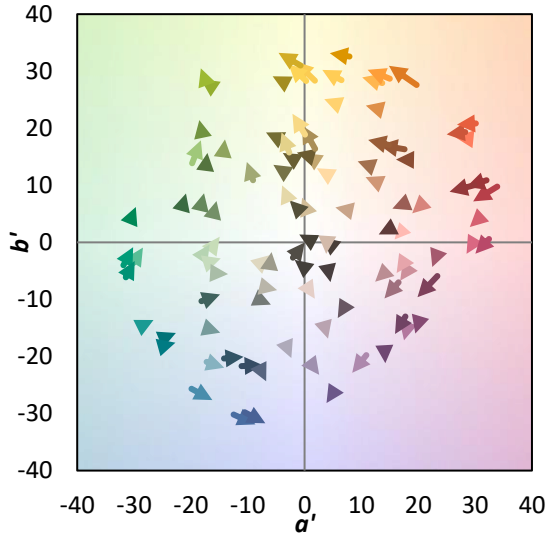


Color Vector Graphics







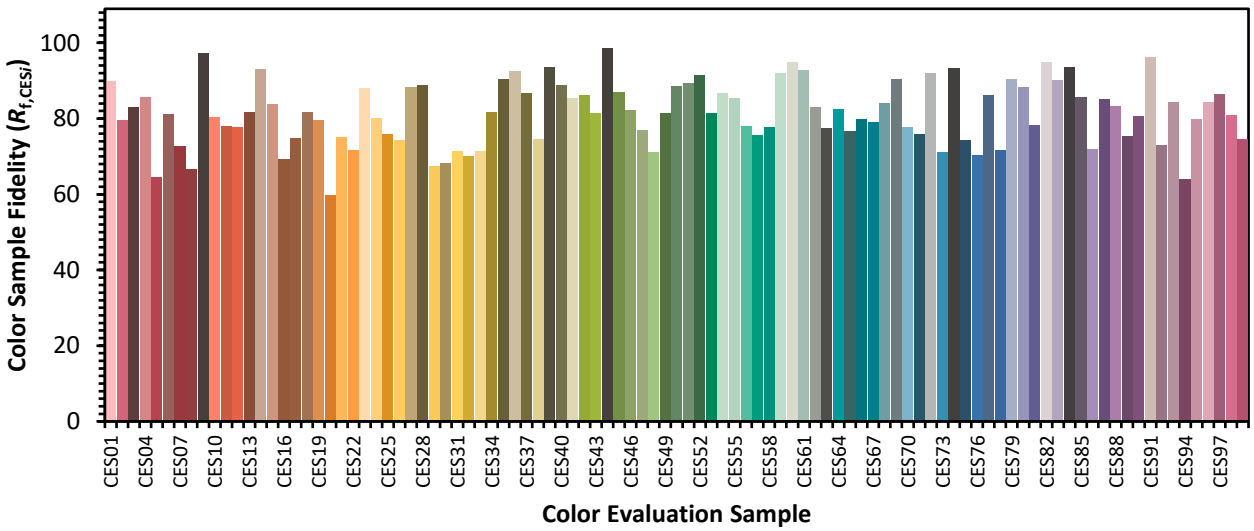


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Individual Sample Fidelity Index ($R_{f,i}$)

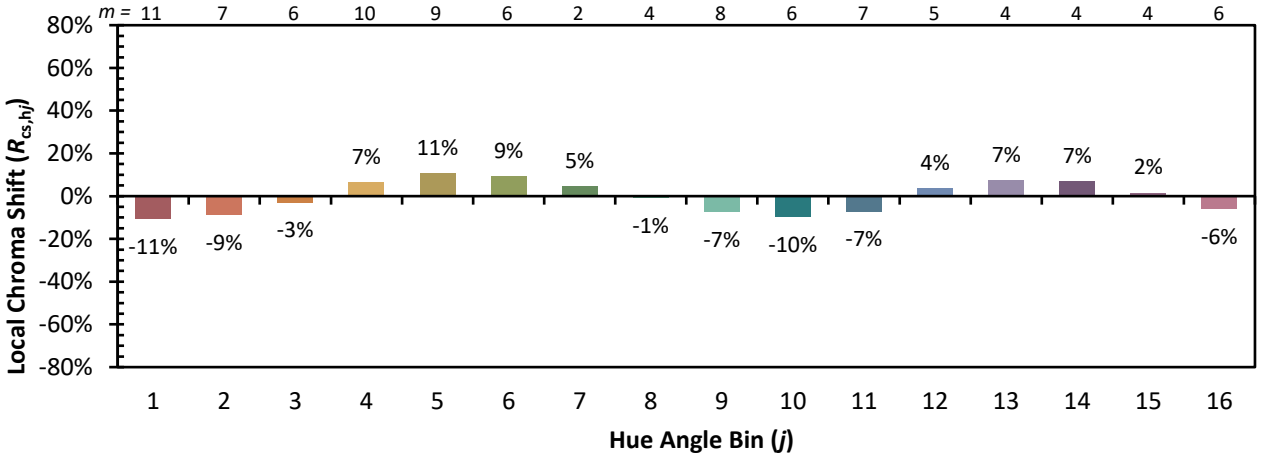
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

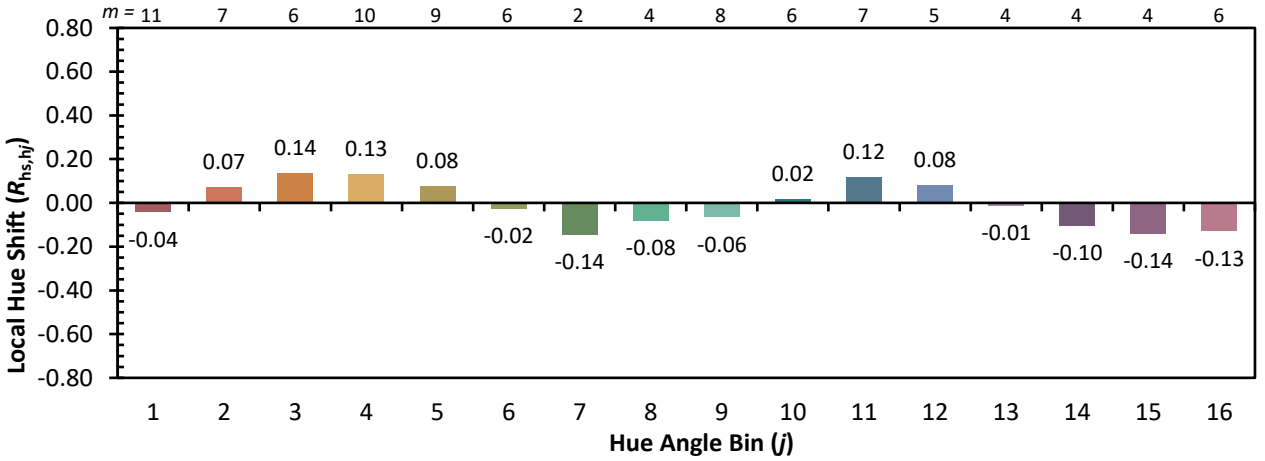


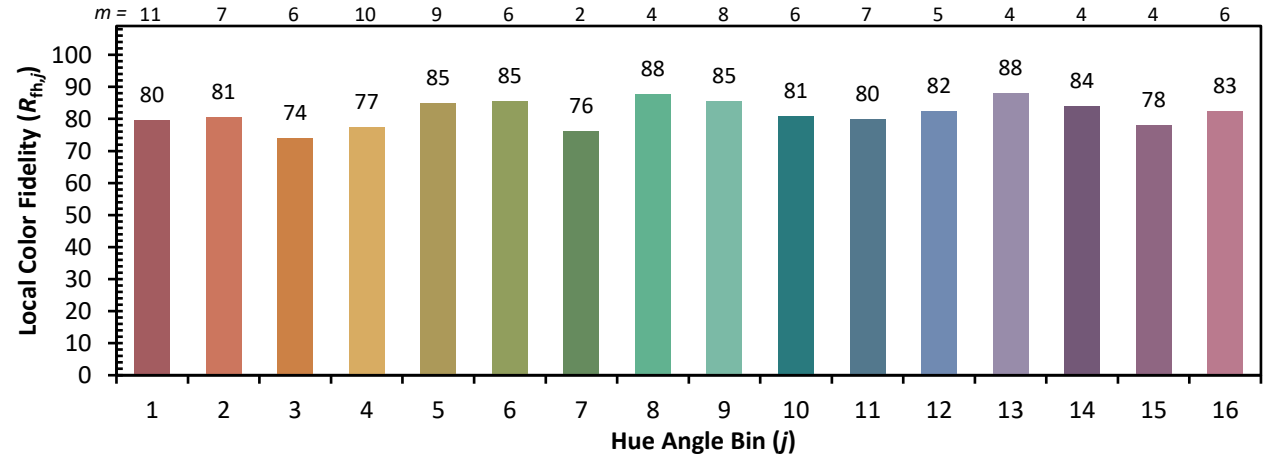
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Color Rendition by Hue-Angle Bin



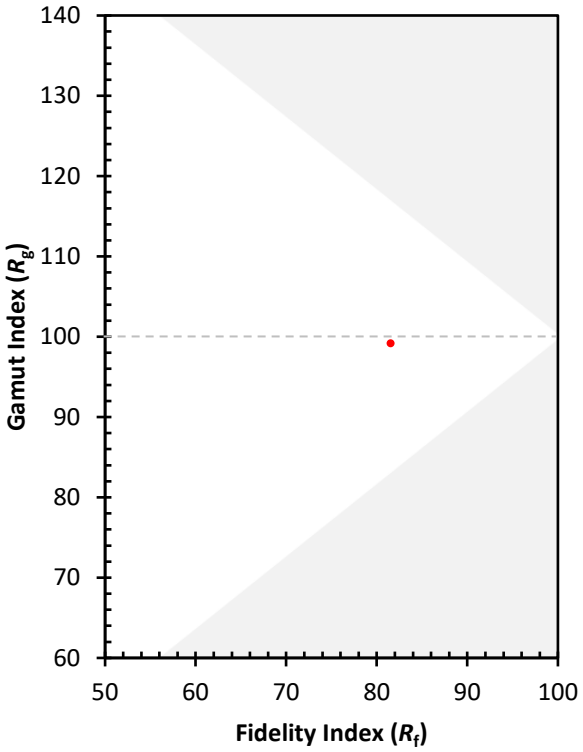


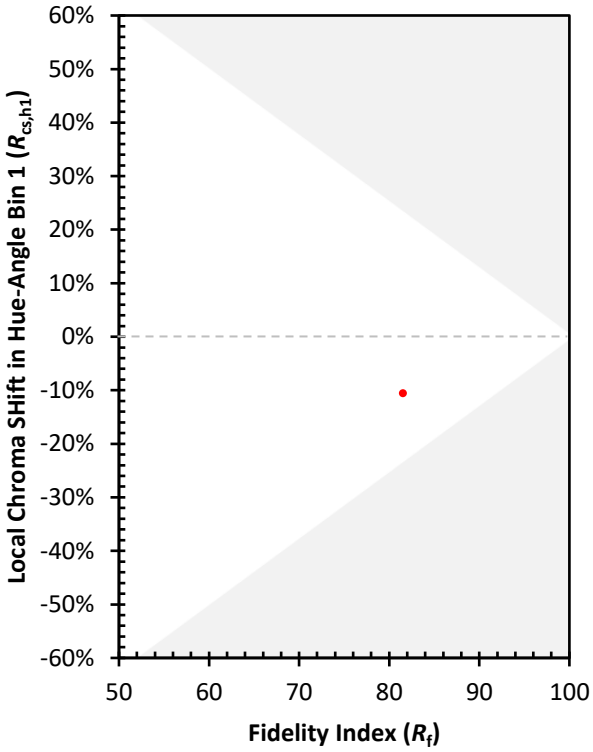


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Measure Comparisons





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