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: P1201612

Luminaire Tested: GWC-SB1B-830-U-SL2-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:	P1201612
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-830-U-SL2-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4123 lumens
Efficiency:	N/A
Efficacy:	103.6 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

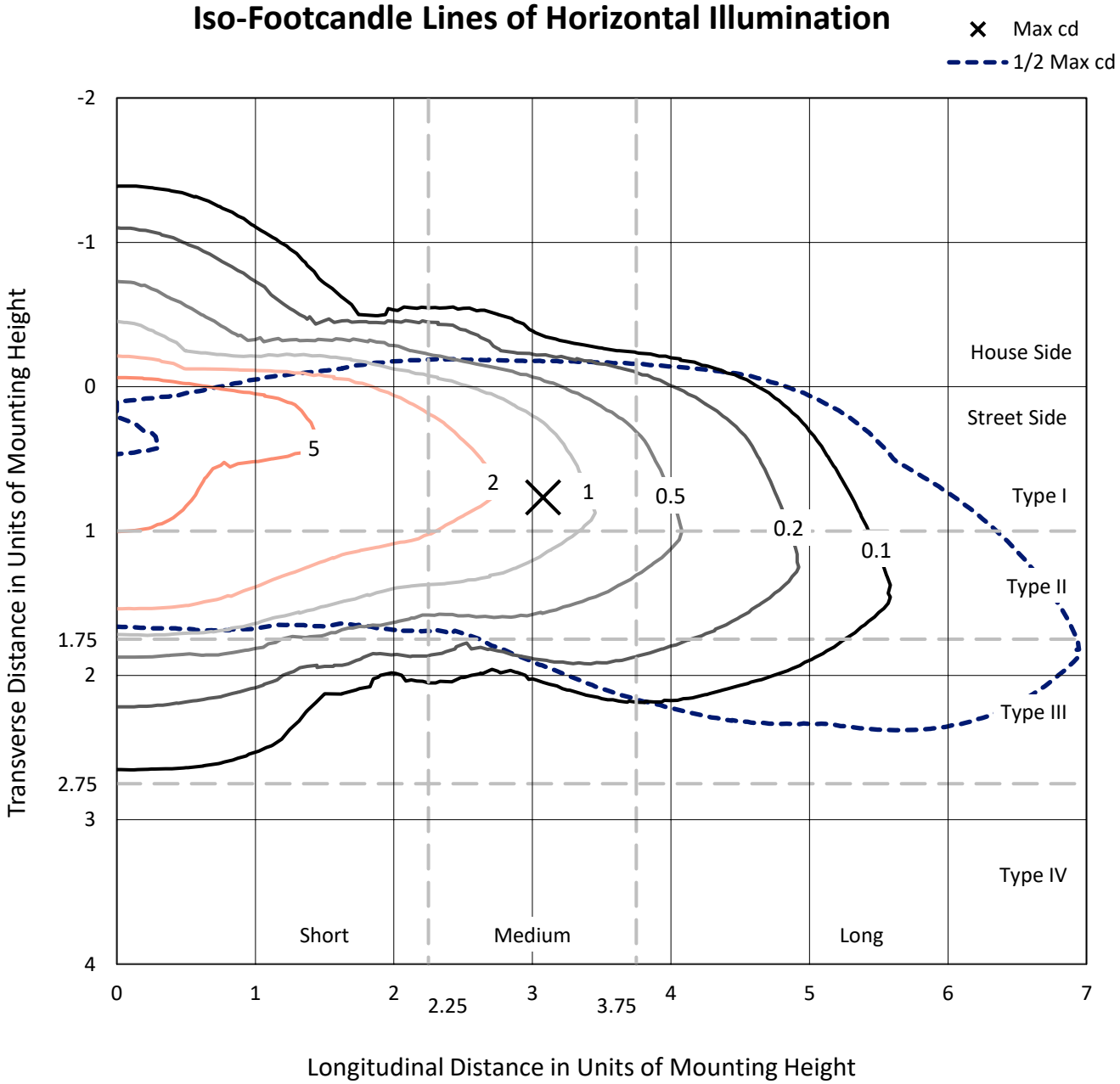


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Scaled Data Report

REPORT NUMBER: P1201612
CATALOG NUMBER: GWC-SB1B-830-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination



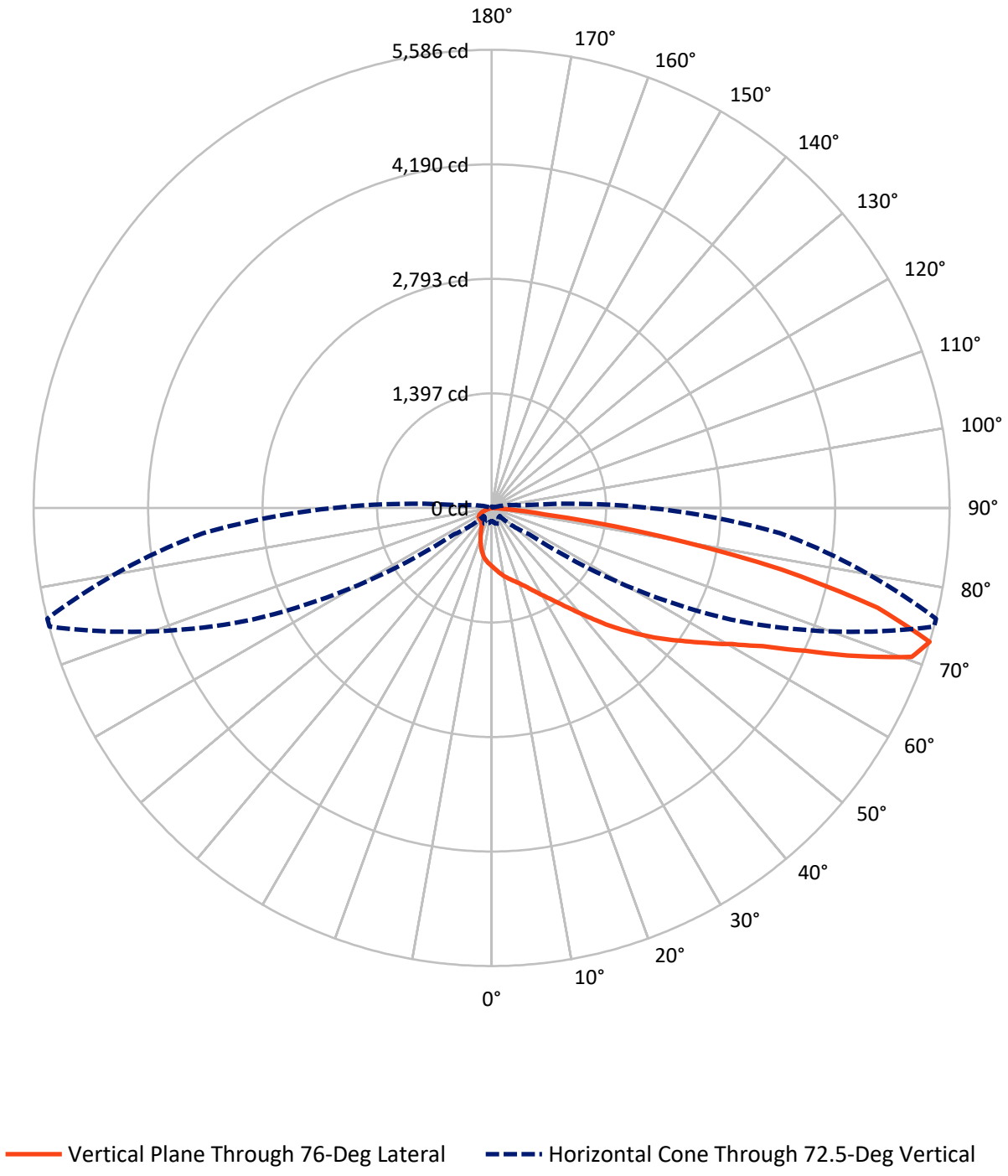
Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
Type II - Medium - N/A

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REPORT NUMBER: P1201612
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Luminous Intensity Polar Plot



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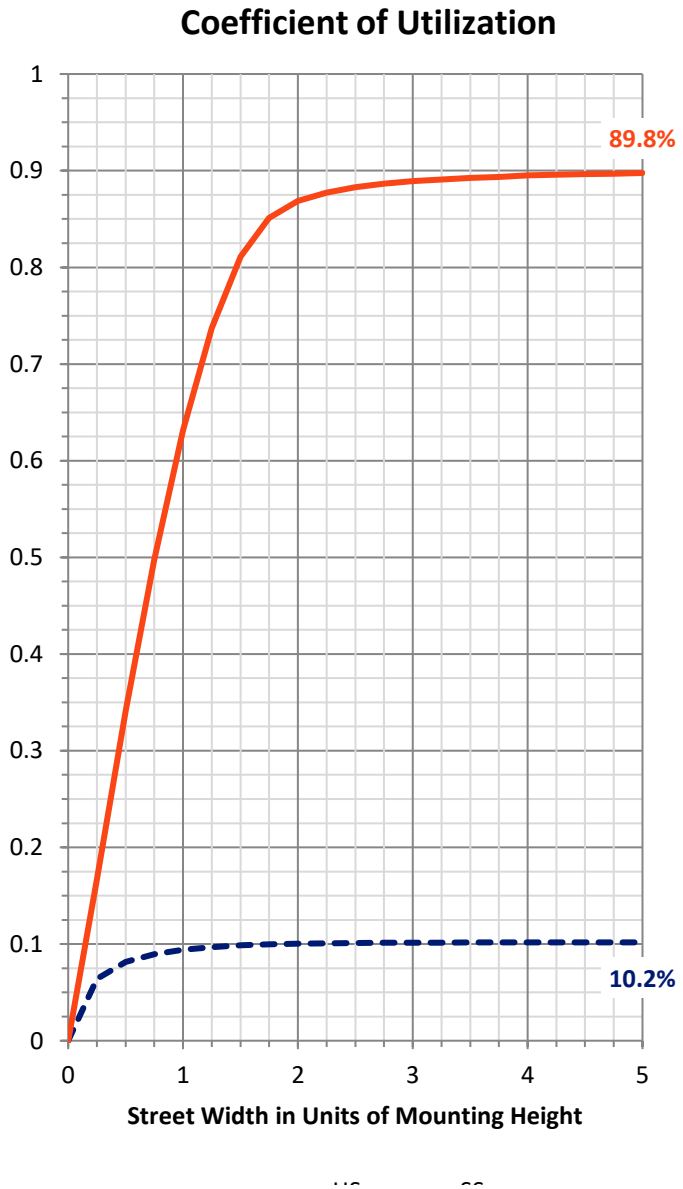
REPORT NUMBER: P1201612
CATALOG NUMBER: GWC-SB1B-830-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	422.0	0.0	422.0
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	3701.0	0.0	3701.0
	% Fixture	89.8	0.0	89.8
Total	Lumens	4123.0	0.0	4123.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	1.6
10°-20°	173.7	4.2
20°-30°	275.0	6.7
30°-40°	425.5	10.3
40°-50°	646.2	15.7
50°-60°	890.9	21.6
60°-70°	941.2	22.8
70°-80°	645.6	15.7
80°-90°	60.1	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°	4123.0	100.0
0°-180°	4123.0	100.0



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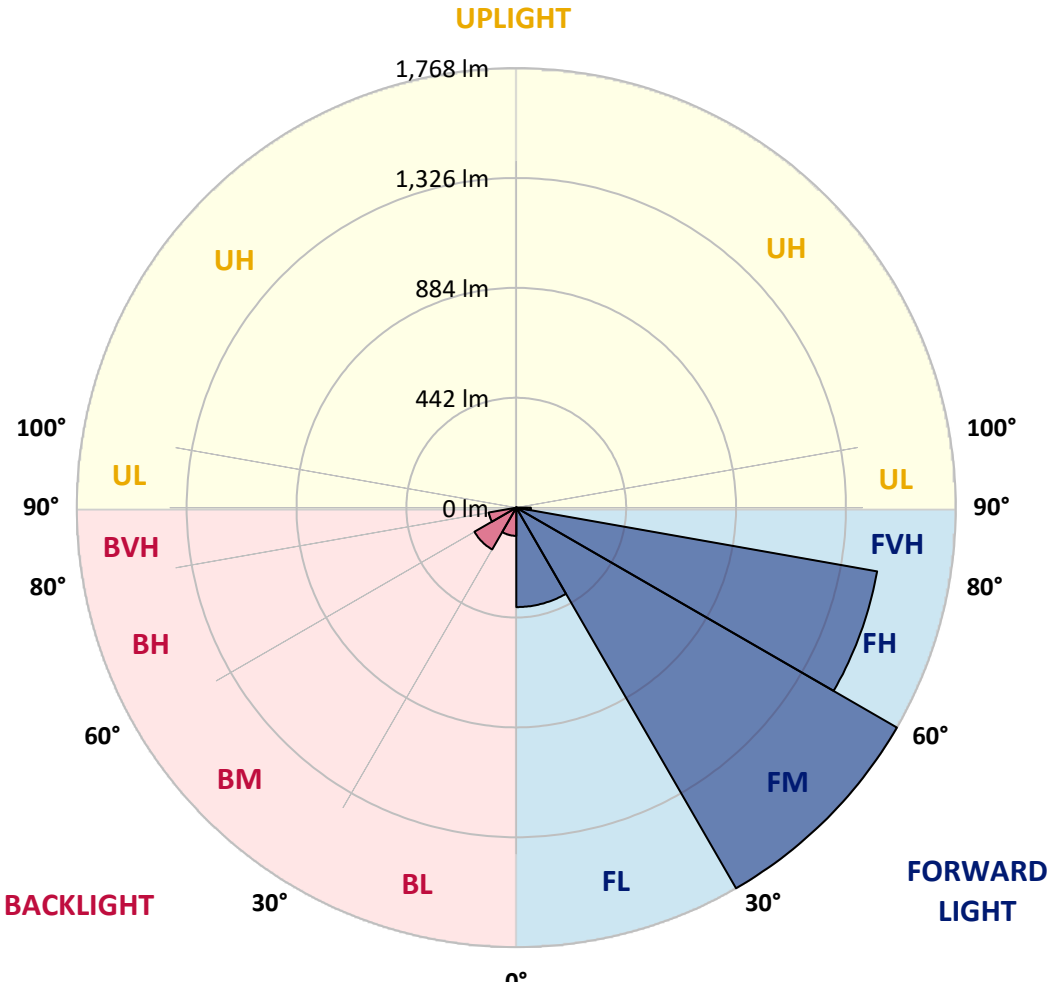
Scaled Data Report

REPORT NUMBER: P1201612
CATALOG NUMBER: GWC-SB1B-830-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	400.1	9.7			
FM	(30°-60°)	1768.3	42.9			
FH	(60°-80°)	1474.1	35.8			G1/1800
FVH	(80°-90°)	58.5	1.4			G1/100
BL	(0°-30°)	113.4	2.8	B1/500		
BM	(30°-60°)	194.3	4.7	B0/220		
BH	(60°-80°)	112.7	2.7	B1/500		G1/500
BVH	(80°-90°)	1.6	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-G1
Type II Medium



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Scaled Data Report

REPORT NUMBER: P1201612
CATALOG NUMBER: GWC-SB1B-830-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	712.5	712.5	712.5	712.5	712.5	712.5	712.5	712.5	712.5	*712.5*	712.5
2.5°	828.3	817.3	819.5	808.5	803.4	791.1	778.3	761.4	742.7	*742.7*	724.5
5°	915.5	908.5	908.5	895.7	885.8	866.5	843.5	813.9	778.6	*775.1*	740.6
7.5°	969.0	964.7	967.4	959.9	951.9	931.8	904.5	865.7	815.7	*811.4*	759.6
10°	979.4	979.1	986.6	988.8	994.1	984.0	959.6	915.0	852.4	*846.2*	775.9
12.5°	939.0	933.9	952.4	974.1	1004.5	1018.2	1005.6	959.9	885.8	*877.2*	791.1
15°	872.7	873.8	891.4	924.8	975.7	1024.3	1040.7	1003.7	919.8	*909.6*	805.6
17.5°	834.7	830.7	845.9	875.9	932.1	1000.8	1057.0	1044.7	955.9	*944.4*	820.3
20°	830.2	829.9	833.4	847.0	889.8	967.1	1055.1	1084.5	998.4	*985.0*	841.4
22.5°	861.7	861.2	858.3	855.6	867.3	934.2	1047.1	1122.5	1049.2	*1034.8*	871.4
25°	910.1	909.3	904.8	888.5	877.0	916.6	1039.6	1157.8	1109.4	*1093.3*	907.7
27.5°	969.2	968.7	960.4	935.8	906.1	918.2	1035.8	1194.2	1178.9	*1163.1*	949.7
30°	1041.7	1040.7	1023.5	988.8	950.0	943.6	1040.9	1235.1	1251.4	*1239.4*	998.1
32.5°	1132.7	1129.7	1107.2	1054.8	1000.5	977.5	1050.5	1277.1	1337.3	*1326.0*	1062.9
35°	1203.0	1198.4	1185.3	1139.1	1059.1	1019.3	1073.0	1326.8	1440.5	*1430.6*	1145.5
37.5°	1263.4	1258.9	1248.2	1210.2	1143.1	1072.5	1109.1	1393.2	1562.5	*1557.6*	1246.3
40°	1328.7	1321.2	1316.1	1275.5	1214.8	1149.2	1160.7	1470.7	1702.9	*1703.4*	1367.5
42.5°	1379.0	1376.0	1376.6	1345.3	1284.0	1240.2	1229.2	1558.2	1871.1	*1876.2*	1513.2
45°	1422.0	1419.6	1429.5	1407.6	1353.8	1299.8	1309.4	1657.1	2055.1	*2065.5*	1676.4
47.5°	1455.2	1457.9	1472.1	1457.9	1426.3	1341.8	1380.6	1763.8	2248.5	*2249.8*	1844.9
50°	1488.4	1489.4	1513.0	1506.0	1493.2	1395.0	1446.1	1883.1	2452.3	*2454.7*	2002.4
52.5°	1498.8	1497.2	1534.6	1551.8	1552.3	1460.8	1530.9	2013.1	2652.0	*2659.8*	2164.5
55°	1445.3	1449.9	1510.3	1579.8	1607.4	1551.8	1645.4	2177.6	2864.9	*2868.1*	2325.0
57.5°	1183.7	1208.9	1342.6	1503.9	1643.0	1682.0	1809.8	2369.9	3110.7	*3107.8*	2487.6
60°	718.4	748.3	908.3	1261.3	1526.9	1812.8	2052.2	2667.8	3379.2	*3371.0*	2652.0
62.5°	401.7	410.8	461.9	755.0	1161.3	1729.6	2288.8	3050.5	3739.8	*3711.7*	2813.9
65°	296.1	299.0	311.0	369.9	570.7	1330.3	2237.0	3508.2	4246.3	*4196.3*	3007.8
67.5°	257.3	260.2	272.0	280.0	254.9	698.9	1843.0	3762.0	4889.5	*4824.0*	3270.1
70°	216.6	218.2	237.2	242.6	182.4	265.8	1184.0	3683.6	5484.9	*5438.1*	3551.8
72.5°	*161.5*	*168.0*	*195.5*	*208.3*	*146.3*	*141.2*	*557.4*	*3220.6*	*5585.7*	*5586.3*	*3532.8*
75°	109.7	115.5	147.1	171.4	112.9	99.0	224.9	2404.9	4863.9	*4863.9*	3096.8
77.5°	74.9	79.7	102.4	134.5	85.6	67.9	116.6	1526.3	3489.4	*3612.2*	2207.3
80°	33.2	36.1	66.1	97.6	65.0	43.9	66.1	835.8	2110.2	*2084.2*	865.2
82.5°	16.3	18.7	42.3	61.0	42.0	27.0	34.8	397.4	683.9	*649.9*	135.1
85°	3.2	4.3	22.7	25.9	19.5	12.0	13.1	122.2	82.4	*94.1*	28.6
87.5°	0.0	0.0	7.0	4.8	2.1	2.7	2.7	11.0	6.4	*7.5*	7.5
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: P1201612
CATALOG NUMBER: GWC-SB1B-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	712.5	712.5	712.5	712.5	712.5	712.5	712.5	712.5	712.5	712.5	712.5
2.5°	714.9	705.0	683.3	661.9	640.0	620.0	606.0	592.1	583.6	579.8	580.4
5°	720.5	700.5	655.0	607.4	560.3	514.3	479.8	447.4	437.3	420.4	421.5
7.5°	729.3	696.7	625.0	544.8	468.3	400.9	352.2	313.5	297.9	283.0	282.7
10°	735.2	689.8	585.5	478.2	374.7	299.0	252.5	224.4	214.2	205.1	204.9
12.5°	737.6	676.9	540.0	403.6	291.5	227.9	200.1	186.9	183.5	180.3	180.3
15°	739.8	664.3	489.2	331.6	230.3	190.7	179.7	175.4	173.0	170.9	170.9
17.5°	741.6	648.3	431.1	269.6	194.4	175.7	170.4	165.8	163.9	161.5	161.5
20°	748.1	632.8	379.2	222.5	174.9	165.0	159.1	154.3	152.7	151.1	151.4
22.5°	760.1	620.2	329.0	190.7	163.1	154.1	146.6	141.2	140.1	139.1	138.3
25°	774.5	604.7	281.6	170.1	151.6	141.5	133.2	128.6	127.6	127.8	127.3
27.5°	793.0	587.6	241.0	157.0	141.5	129.7	120.4	116.9	117.4	118.5	117.9
30°	813.3	571.8	209.1	147.9	132.4	119.3	109.9	107.5	109.4	111.0	110.5
32.5°	843.5	557.9	186.9	140.7	124.4	110.7	103.2	100.3	102.4	104.6	104.0
35°	884.7	550.9	174.4	134.5	117.4	104.0	96.5	94.4	96.5	97.1	96.8
37.5°	935.3	550.4	169.0	129.4	111.0	98.4	90.1	89.3	90.9	91.2	90.7
40°	1000.5	553.9	165.0	125.7	104.3	92.0	84.2	83.4	84.0	85.9	85.6
42.5°	1083.2	568.3	159.4	120.9	97.1	85.6	79.4	77.6	77.3	79.4	79.2
45°	1186.9	600.2	151.9	113.1	90.7	80.2	74.1	71.9	71.1	71.7	72.5
47.5°	1300.1	639.2	144.4	105.9	86.1	76.0	69.8	67.1	65.8	65.8	65.8
50°	1409.7	683.3	139.3	98.4	82.9	71.9	65.3	62.6	60.4	59.9	59.6
52.5°	1518.3	726.7	135.3	90.9	79.2	66.9	61.0	58.0	55.6	54.6	54.0
55°	1617.3	767.9	128.4	83.7	74.4	61.5	56.7	53.8	50.8	48.9	48.1
57.5°	1712.2	802.1	115.5	76.2	66.9	56.4	52.2	48.9	45.5	43.1	42.0
60°	1798.6	819.7	99.5	68.2	59.4	51.1	47.1	44.1	39.6	35.6	34.5
62.5°	1864.4	812.8	82.1	59.1	51.6	46.3	41.2	38.2	32.9	28.1	26.2
65°	1931.8	774.8	65.5	49.5	45.2	39.9	34.5	31.6	25.4	20.3	19.0
67.5°	2019.3	693.8	51.6	41.2	39.0	31.6	27.0	25.1	20.9	16.0	15.0
70°	2075.4	538.9	40.1	33.4	32.1	23.0	20.9	20.6	16.6	12.3	11.0
72.5°	*1921.4*	*353.3*	*30.8*	*25.4*	*23.0*	*15.0*	*16.0*	*16.0*	*12.0*	*8.3*	*7.2*
75°	1603.9	206.7	22.2	18.2	13.1	9.6	11.0	11.0	7.5	4.0	3.2
77.5°	1145.5	110.2	14.7	11.2	6.7	4.3	5.9	5.6	2.4	0.3	0.0
80°	438.1	38.0	7.0	4.5	1.9	0.8	0.5	0.3	0.3	0.0	0.0
82.5°	66.9	9.9	1.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	0.0	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

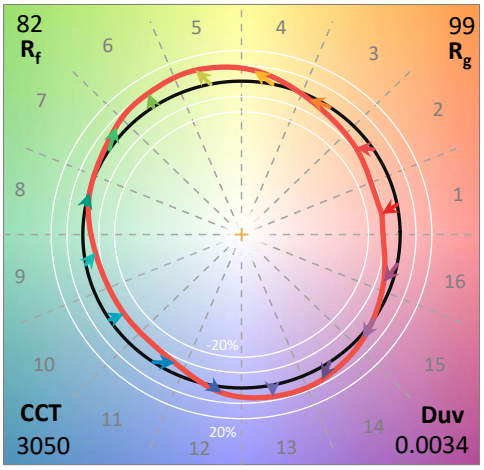
Test Information

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

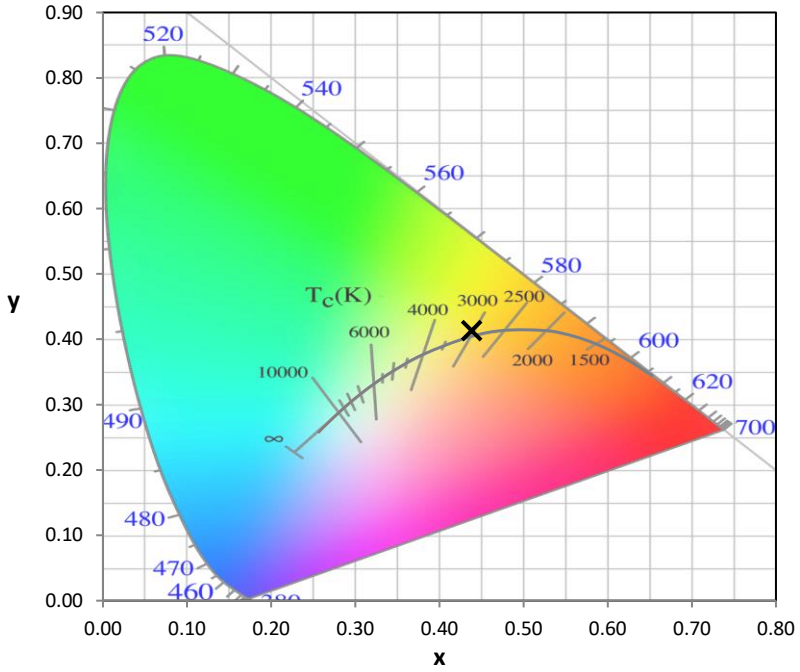
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

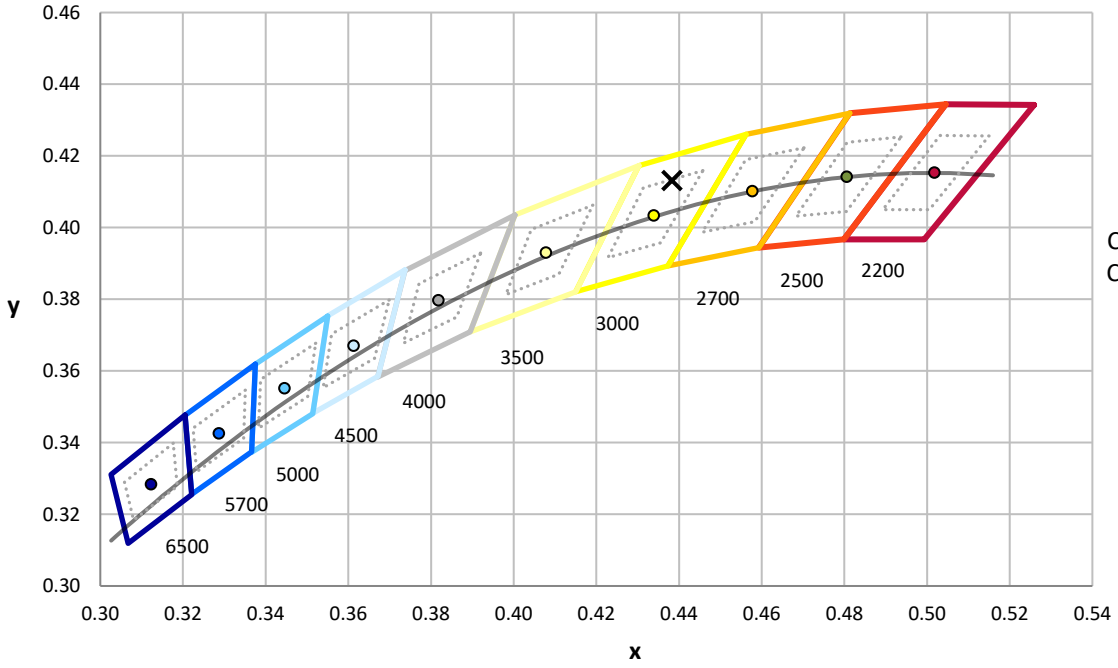
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

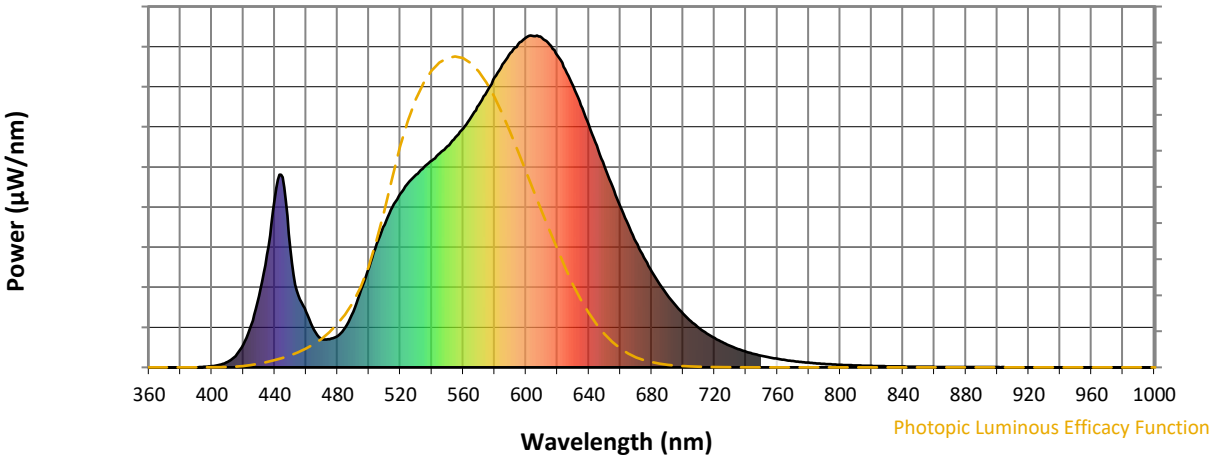


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

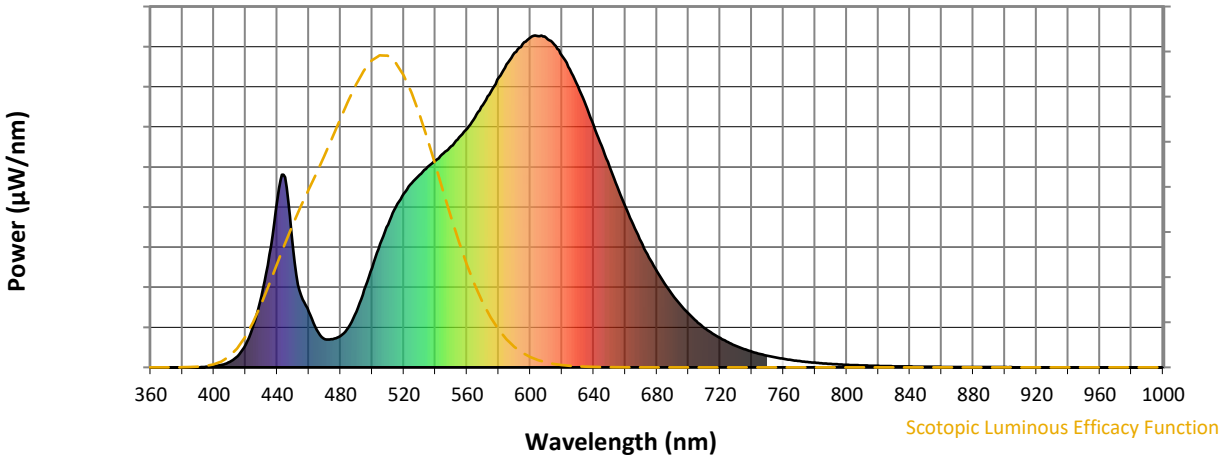


Photopic Lumens: NR

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

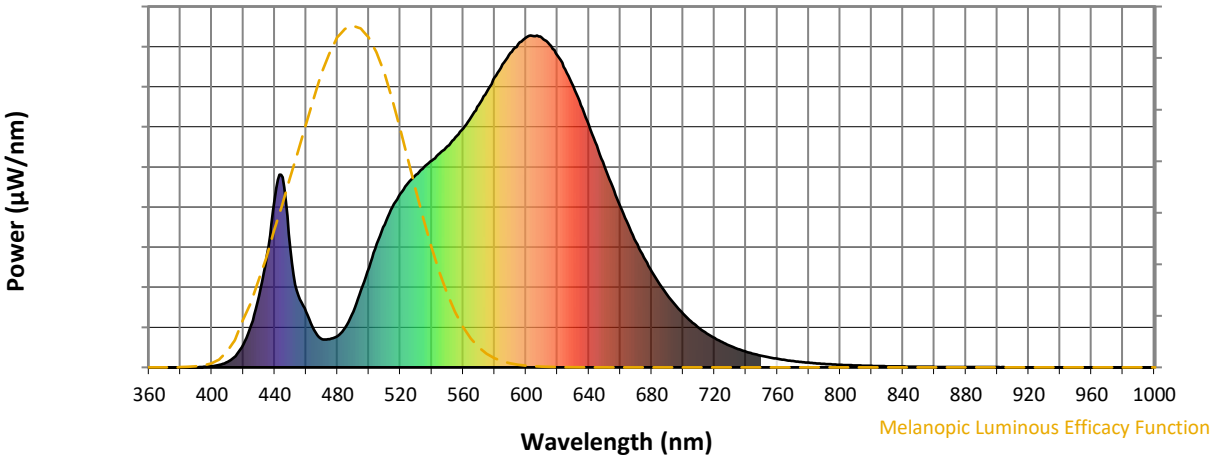


Scotopic Lumens: NR **S/P: 1.27**

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			

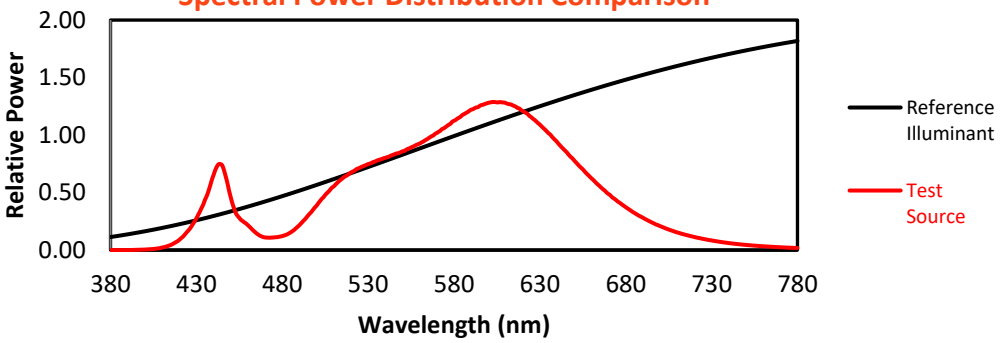
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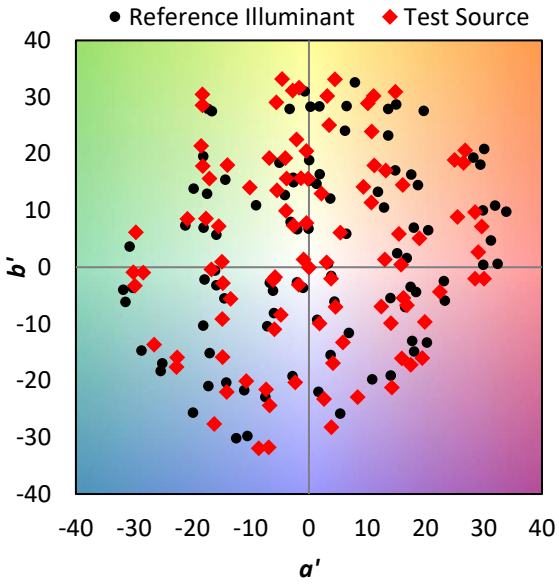
Summary

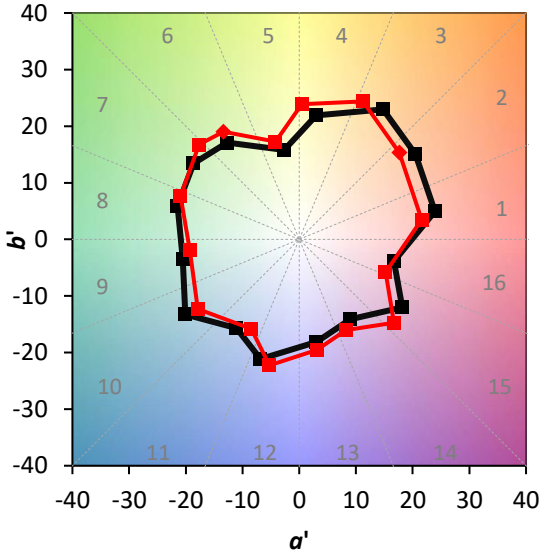
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

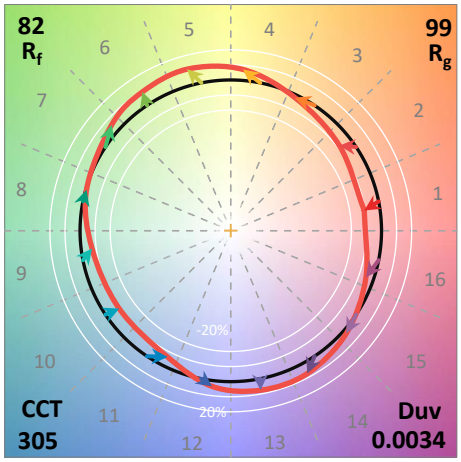
Spectral Power Distribution Comparison

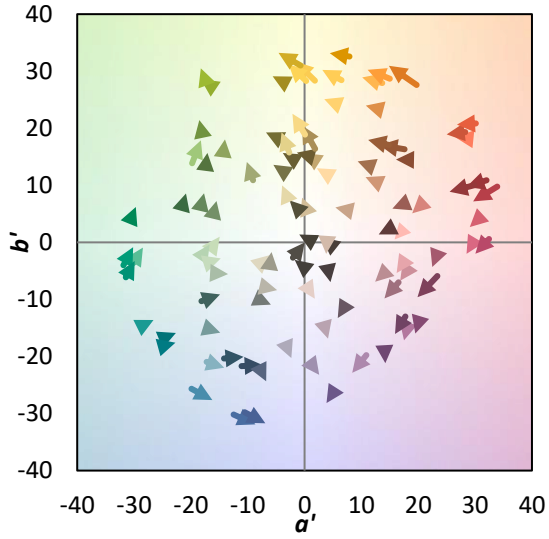


Color Vector Graphics







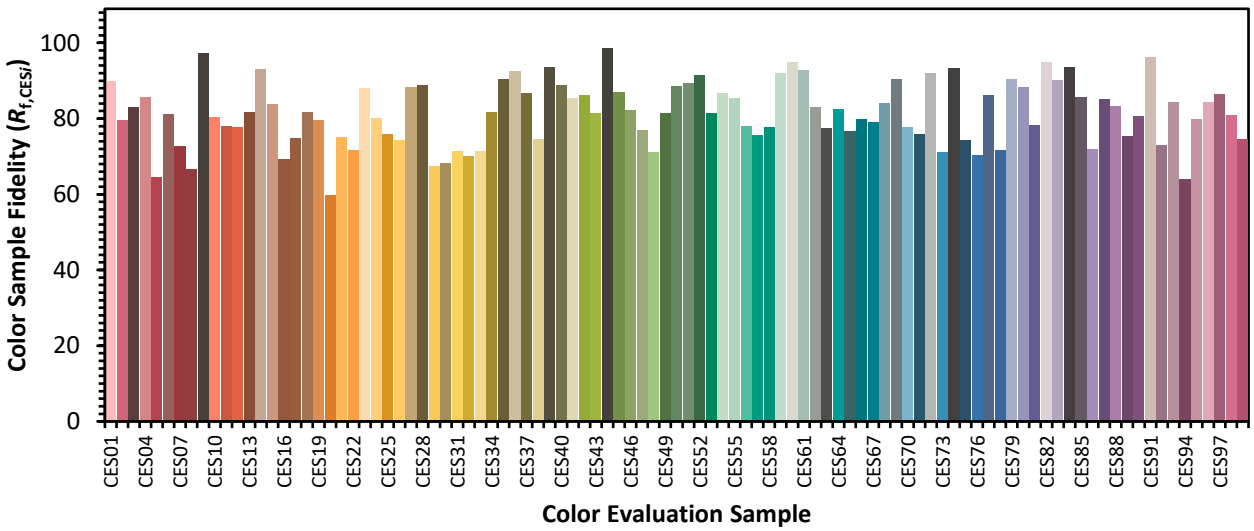


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Individual Sample Fidelity Index ($R_{f,i}$)

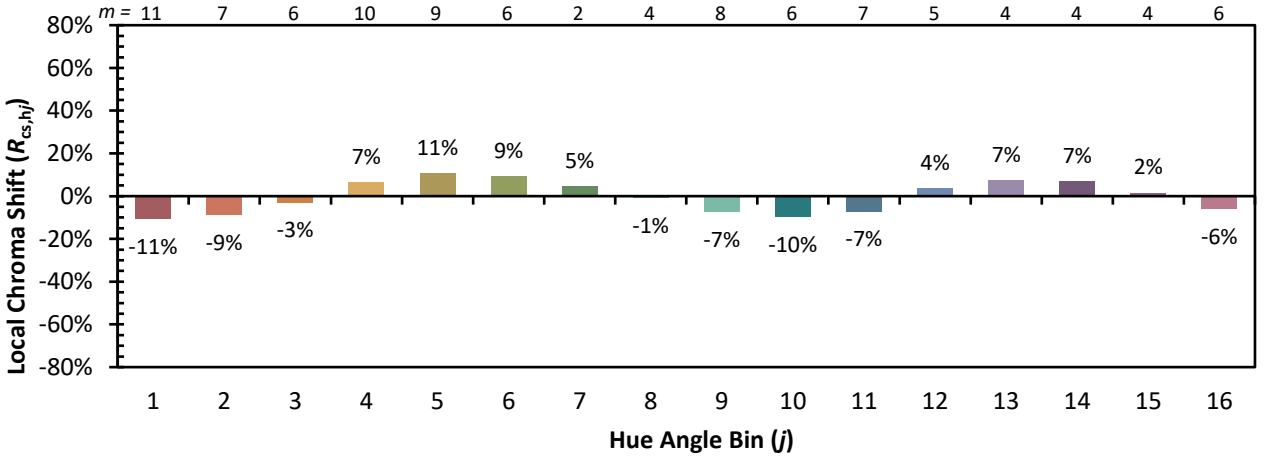
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

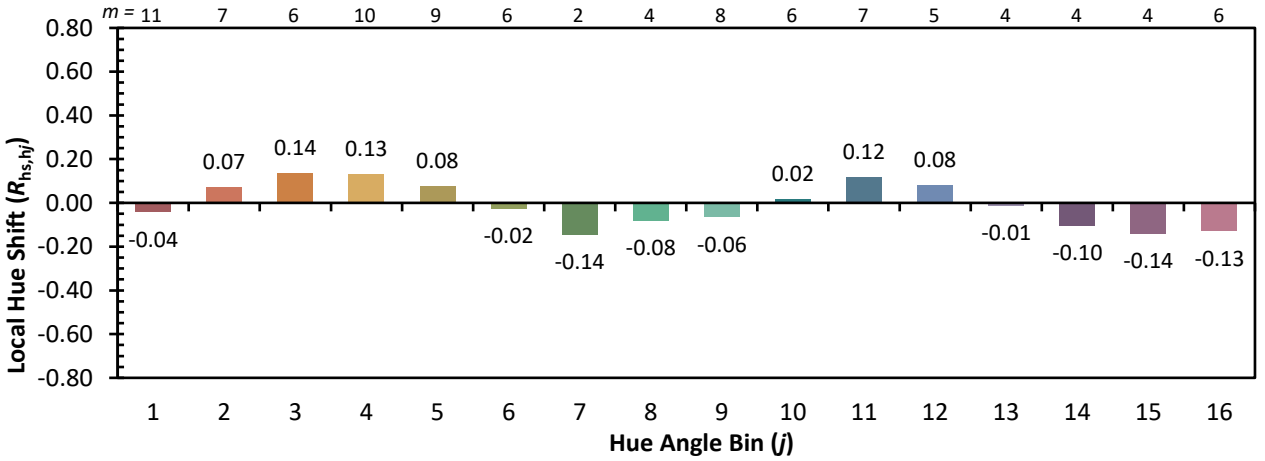


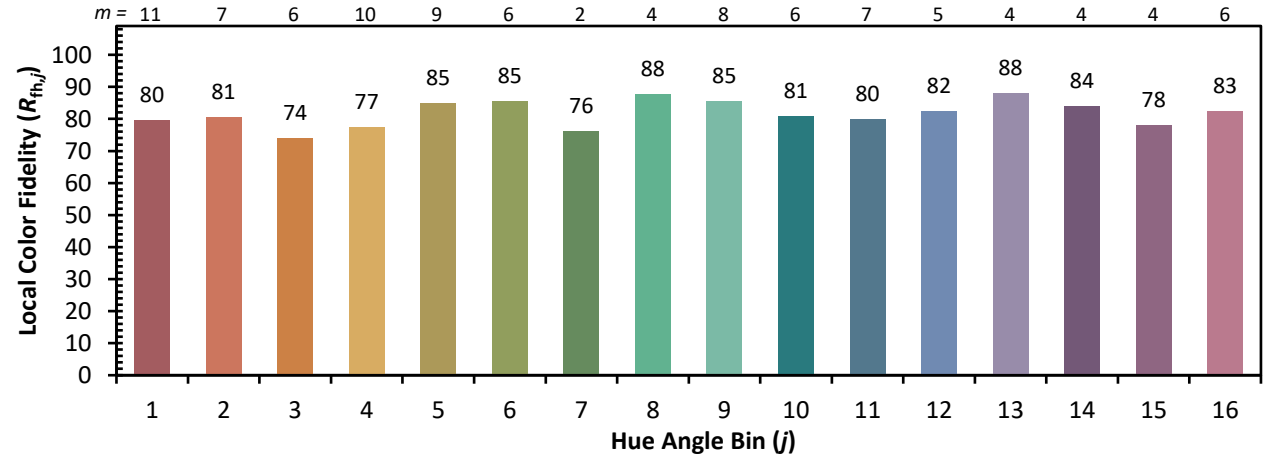
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Color Rendition by Hue-Angle Bin



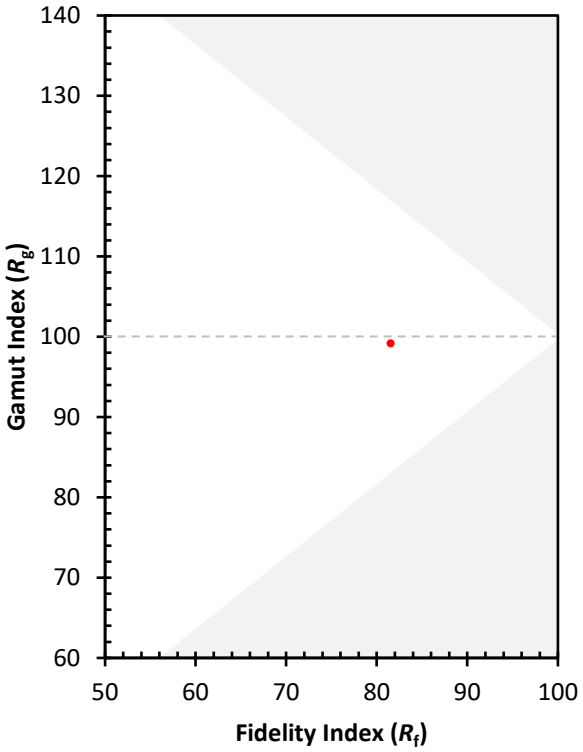


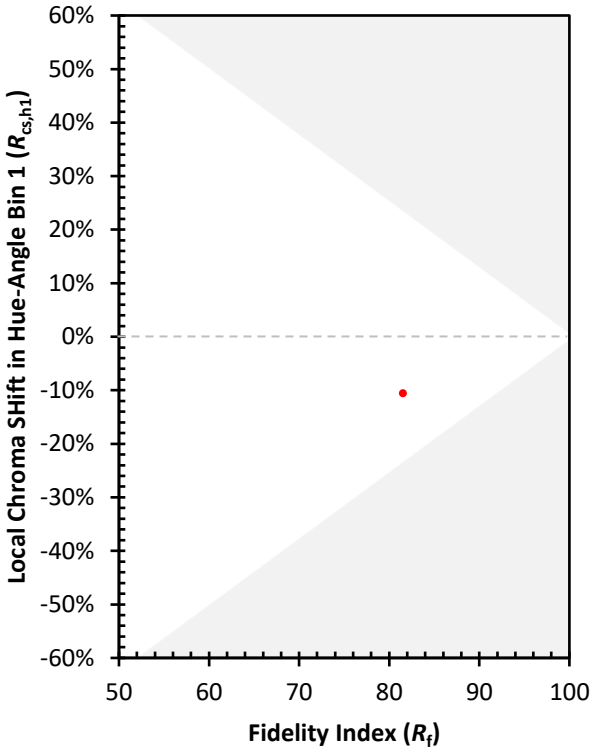


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Measure Comparisons





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