Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P1201252

Luminaire Tested: GWC-SB1A-830-U-T4FT-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:	P1201252
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPT WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3068 lumens
Efficiency:	N/A
Efficacy:	99.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U0 - G1

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

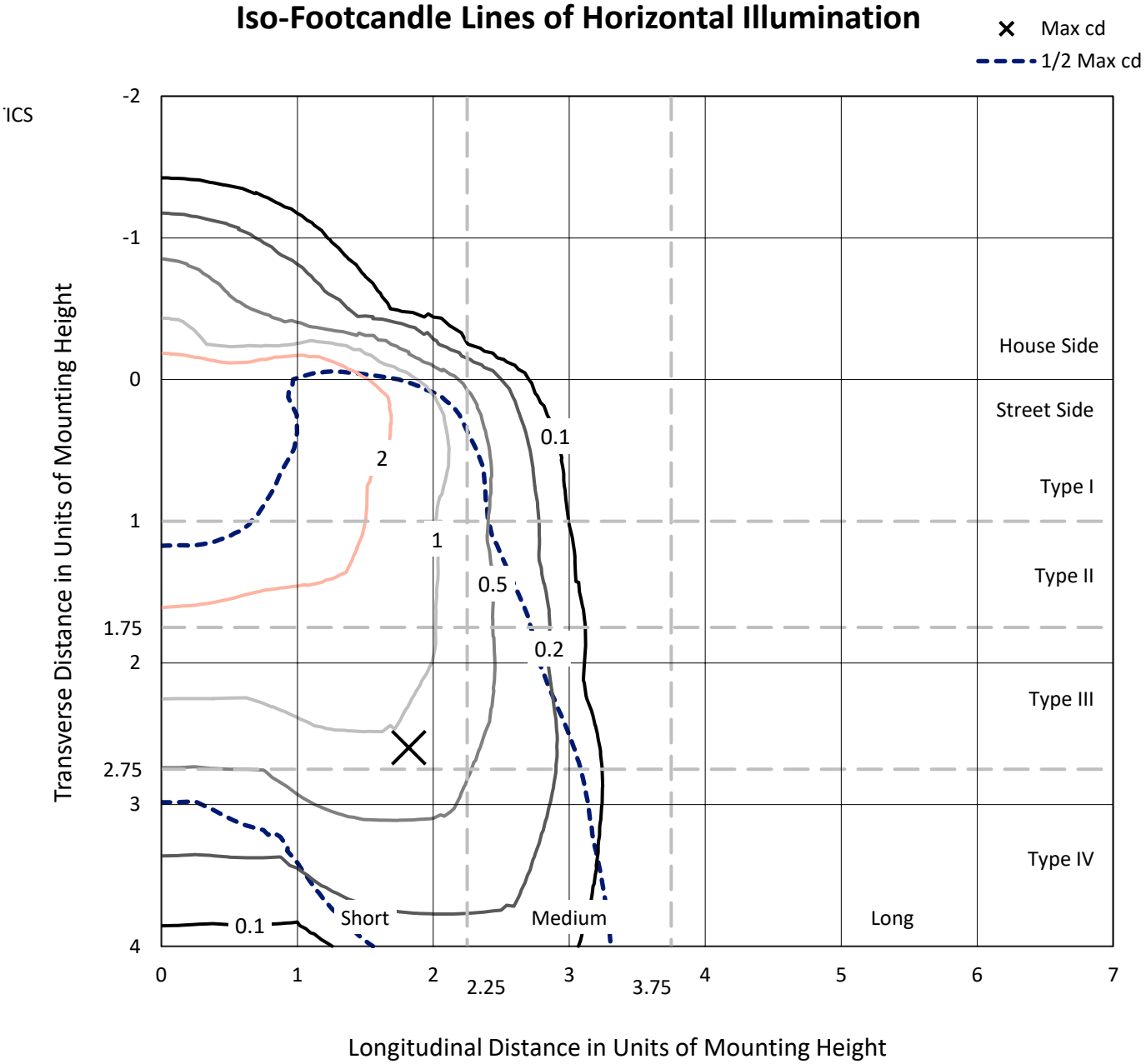


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REPORT NUMBER: P1201252
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Iso-Footcandle Lines of Horizontal Illumination



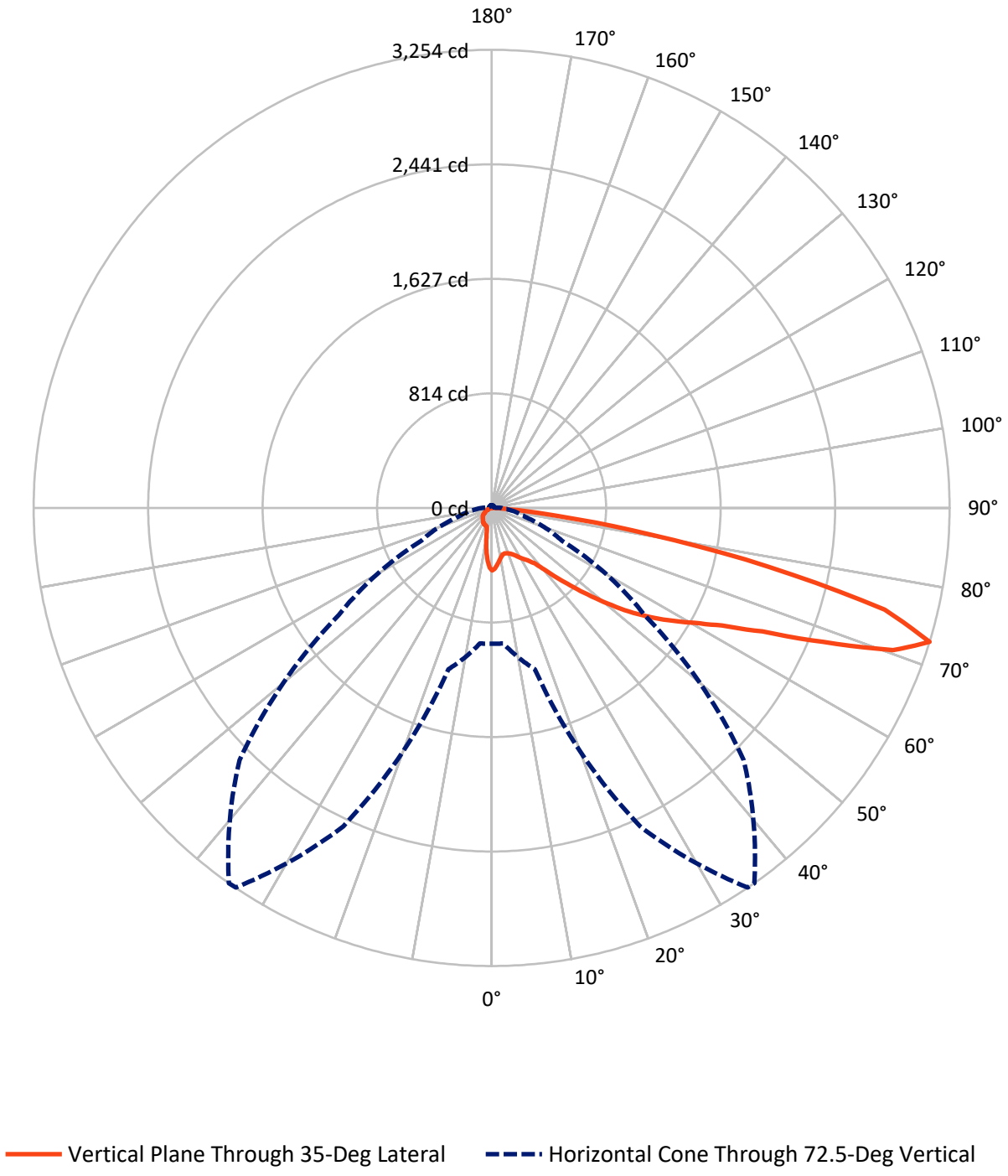
Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
Type IV - Short - N/A

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REPORT NUMBER: P1201252
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Luminous Intensity Polar Plot



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Scaled Data Report

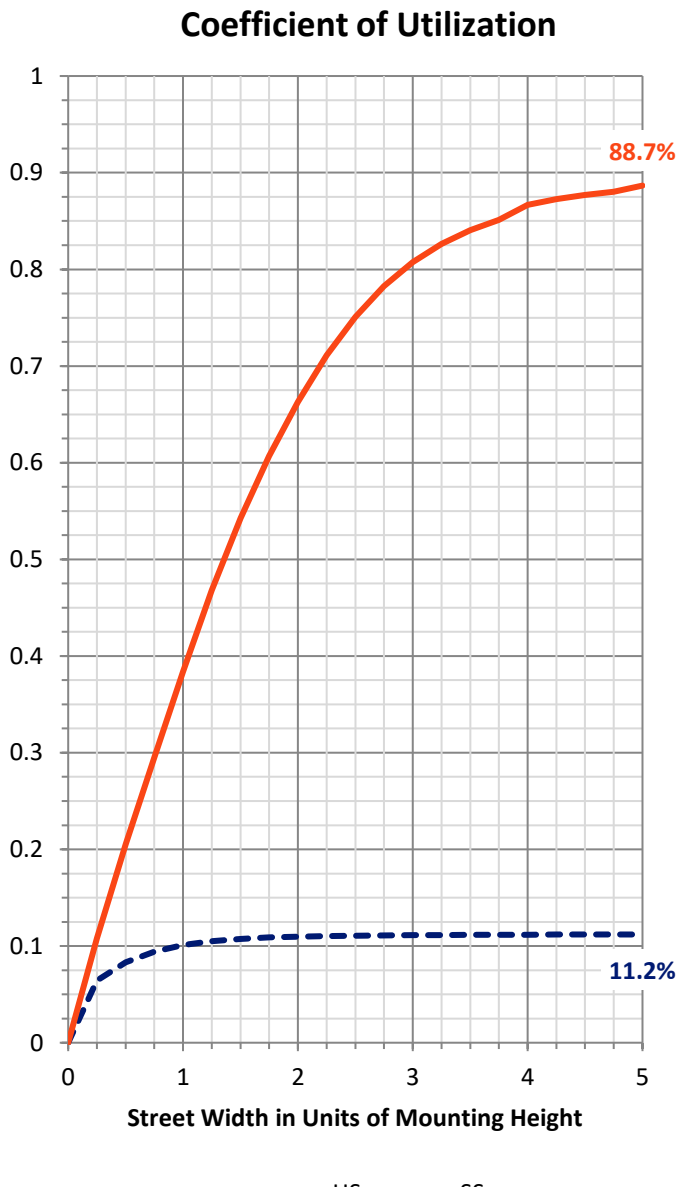
REPORT NUMBER: P1201252
CATALOG NUMBER: GWC-SB1A-830-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	345.3	0.0	345.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	2722.7	0.0	2722.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	3068.0	0.0	3068.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	1.2
10°-20°	85.5	2.8
20°-30°	138.9	4.5
30°-40°	231.7	7.6
40°-50°	438.3	14.3
50°-60°	696.5	22.7
60°-70°	861.7	28.1
70°-80°	535.6	17.5
80°-90°	43.3	1.4
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°	3068.0	100.0
0°-180°	3068.0	100.0



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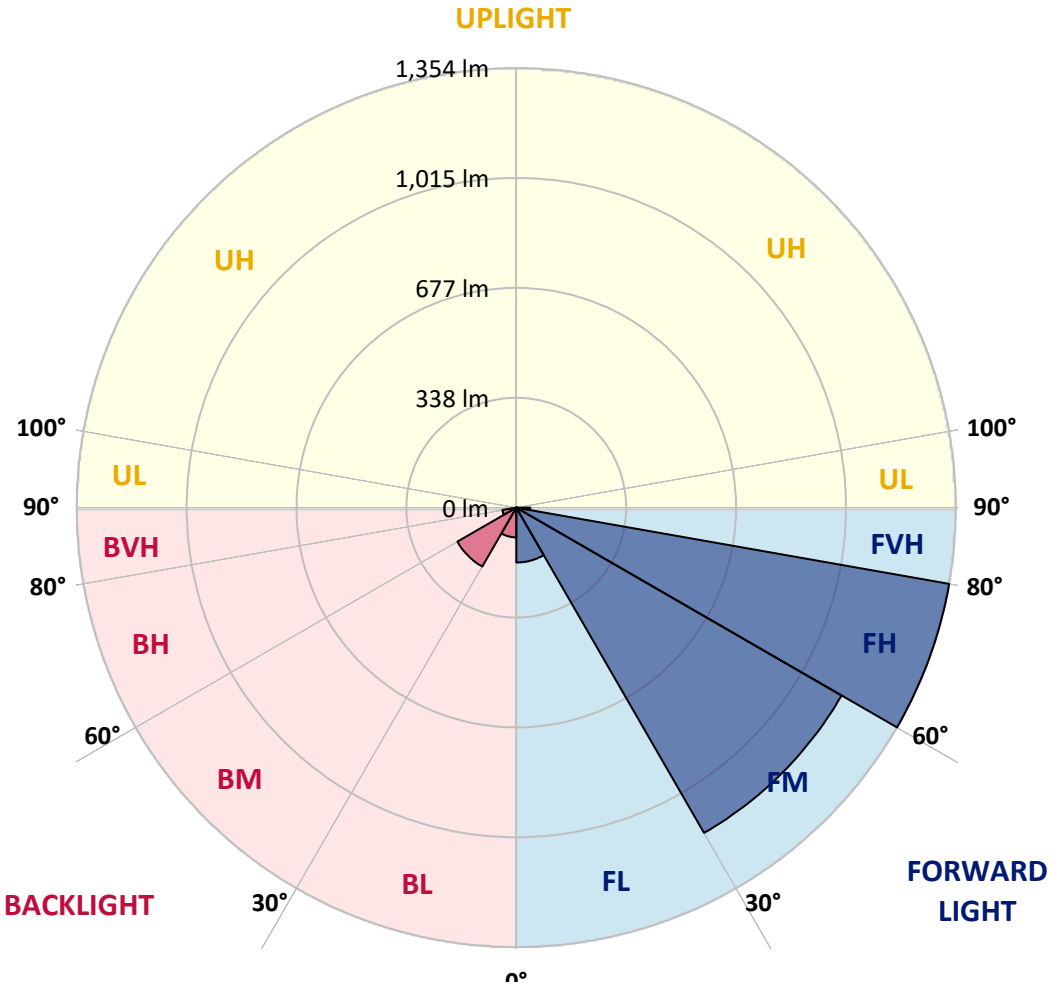
Scaled Data Report

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CATALOG NUMBER: GWC-SB1A-830-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	169.1	5.5			
FM	(30°-60°)	1156.9	37.7			
FH	(60°-80°)	1353.9	44.1			G1/1800
FVH	(80°-90°)	42.7	1.4			G1/100
BL	(0°-30°)	91.7	3.0	B0/110		
BM	(30°-60°)	209.6	6.8	B0/220		
BH	(60°-80°)	43.3	1.4	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type IV Short



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Scaled Data Report

REPORT NUMBER: P1201252
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7
2.5°	424.9	428.5	429.1	430.3	430.3	431.6	433.9	437.0	442.2	444.9	446.7
5°	391.6	394.3	397.7	400.4	405.5	406.2	415.0	423.5	435.4	444.4	450.7
7.5°	358.1	361.3	365.8	372.3	379.0	381.0	394.3	408.7	427.6	444.4	455.0
10°	334.5	334.7	338.8	345.3	356.1	358.6	374.7	395.2	418.8	441.7	459.0
12.5°	321.2	322.8	324.6	329.6	339.9	341.5	358.8	382.8	410.0	440.2	463.8
15°	321.2	322.4	323.5	326.0	334.3	335.6	350.9	375.0	405.5	440.8	471.4
17.5°	324.6	326.4	325.5	328.4	337.2	338.1	351.6	372.7	405.3	445.1	483.1
20°	332.7	334.1	332.3	334.1	342.8	344.6	358.6	377.0	409.1	452.5	497.7
22.5°	345.5	346.2	341.9	343.3	352.3	354.5	370.7	389.1	418.4	464.4	517.3
25°	361.7	363.1	356.5	358.1	366.7	369.3	388.0	407.3	433.0	480.8	542.2
27.5°	380.4	381.0	375.4	375.2	386.2	390.0	408.9	429.8	452.5	501.5	573.7
30°	401.7	403.7	398.3	397.4	411.4	414.5	433.2	457.5	481.3	532.6	618.4
32.5°	418.6	420.2	417.0	419.3	433.4	435.9	462.6	496.6	526.5	576.6	679.3
35°	442.9	443.8	436.6	440.6	456.8	463.1	502.9	551.4	583.4	631.9	758.9
37.5°	530.8	530.8	500.2	480.2	495.7	501.3	558.0	620.5	653.5	706.1	859.2
40°	652.4	650.3	605.6	564.7	562.7	573.7	636.4	707.4	744.1	795.1	972.0
42.5°	782.1	778.9	718.0	677.5	670.8	674.6	727.0	814.7	852.0	903.7	1093.4
45°	897.2	896.3	840.5	786.1	774.0	786.1	840.1	940.1	966.9	1021.3	1214.6
47.5°	993.6	993.6	952.9	917.4	911.1	918.3	993.2	1079.3	1076.8	1146.5	1332.6
50°	1104.7	1103.8	1065.1	1049.8	1056.3	1066.5	1169.4	1225.8	1190.5	1269.5	1438.1
52.5°	1182.5	1187.8	1174.6	1172.1	1205.4	1222.9	1348.4	1369.3	1292.4	1386.1	1517.0
55°	1244.0	1250.3	1265.6	1282.9	1347.0	1369.9	1521.7	1505.3	1377.6	1487.3	1562.4
57.5°	1331.3	1322.3	1345.9	1380.1	1483.7	1511.3	1689.6	1633.6	1446.1	1569.3	1567.3
60°	1437.2	1438.5	1442.5	1485.7	1620.1	1655.7	1855.1	1755.0	1490.2	1619.7	1512.5
62.5°	1564.4	1566.4	1574.7	1641.0	1803.4	1836.8	2031.3	1854.4	1510.4	1605.5	1370.8
65°	1555.6	1564.2	1657.0	1883.8	2081.9	2114.9	2237.0	1924.1	1479.9	1476.0	1116.1
67.5°	1417.1	1431.1	1586.4	2173.8	2501.8	2538.7	2485.6	1937.8	1347.9	1147.8	728.1
70°	1235.5	1240.5	1427.3	2434.6	2988.1	3025.4	2708.2	1786.9	1022.8	640.2	326.2
72.5°	964.8	966.0	1185.2	2495.1	3252.0	3254.0	2533.5	1326.5	550.1	245.9	113.3
75°	689.2	682.5	793.8	2023.4	2861.0	2884.0	1899.3	622.2	210.2	116.2	56.4
77.5°	369.6	377.0	449.2	1200.0	1976.4	2015.6	1036.3	179.4	107.0	79.1	37.3
80°	114.2	120.5	184.1	549.4	1119.5	1143.1	384.2	79.8	74.6	56.4	24.5
82.5°	36.0	37.3	85.9	230.9	464.7	475.5	111.3	45.2	51.0	37.3	14.4
85°	10.3	10.6	38.2	86.1	114.9	117.1	31.2	17.5	29.2	23.2	7.4
87.5°	1.1	3.6	14.4	14.4	10.1	9.9	3.4	3.8	8.3	2.9	1.3
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: P1201252
CATALOG NUMBER: GWC-SB1A-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7
2.5°	445.6	445.8	442.9	437.9	432.5	428.0	422.4	417.9	414.8	413.9	415.4
5°	448.7	447.1	438.8	423.7	405.8	390.3	372.9	359.2	350.2	346.4	347.8
7.5°	453.4	448.9	430.7	401.0	366.7	336.1	305.1	281.0	265.7	258.1	259.2
10°	457.5	448.5	417.2	368.2	315.6	269.3	227.5	198.5	182.3	174.7	174.9
12.5°	461.3	448.3	399.7	329.3	258.1	201.4	162.5	148.1	143.6	142.1	141.6
15°	468.5	448.9	377.7	284.8	200.7	152.2	138.0	137.8	138.7	138.3	138.0
17.5°	478.4	449.6	352.7	237.6	154.9	134.2	133.5	135.6	136.9	136.2	136.0
20°	491.2	452.3	326.2	190.9	133.1	129.7	131.3	133.1	134.2	133.1	132.9
22.5°	509.2	457.0	297.2	153.3	126.1	127.0	128.4	130.4	131.5	129.9	129.7
25°	531.2	464.4	268.6	133.3	122.7	123.9	125.9	128.1	129.5	127.9	127.7
27.5°	559.8	476.4	242.3	128.8	119.4	120.0	123.0	126.3	128.1	126.1	126.1
30°	601.1	495.9	219.6	130.8	117.3	115.8	119.8	124.5	126.6	124.8	124.5
32.5°	656.0	523.6	205.7	134.0	116.4	110.8	114.6	120.7	124.1	123.0	123.0
35°	727.9	565.6	200.3	137.6	115.8	105.7	108.4	114.9	120.7	121.8	121.8
37.5°	815.1	624.0	201.9	139.2	113.7	101.4	102.7	108.4	116.0	119.6	120.5
40°	914.3	692.2	210.9	137.6	111.5	97.8	98.0	102.3	109.0	114.4	116.2
42.5°	1016.5	771.7	227.5	131.7	109.5	94.6	94.0	96.9	101.4	105.2	106.8
45°	1113.9	853.6	243.9	123.6	107.0	91.5	89.9	91.0	91.9	93.5	94.4
47.5°	1198.9	911.1	239.2	116.2	103.6	87.9	85.2	84.7	82.1	81.8	81.6
50°	1257.5	923.7	212.4	108.8	98.7	83.9	79.6	76.9	72.2	69.9	70.1
52.5°	1276.2	874.0	173.5	101.4	90.6	78.5	72.4	68.1	62.3	60.2	60.0
55°	1251.5	776.7	138.7	92.4	79.4	71.3	64.5	58.9	54.2	51.7	51.7
57.5°	1191.0	652.8	109.7	81.8	67.4	63.2	56.4	50.8	46.8	44.3	43.8
60°	1090.7	518.4	86.8	69.2	57.5	54.4	47.4	43.8	40.2	37.3	36.6
62.5°	938.5	370.0	68.1	54.9	48.1	44.5	40.5	37.8	33.5	29.4	28.8
65°	732.4	226.4	52.6	40.2	38.7	36.9	34.4	31.9	26.8	22.7	22.0
67.5°	462.0	107.2	37.5	30.3	30.6	29.7	28.5	26.5	22.7	19.1	18.7
70°	203.4	51.9	24.7	23.2	22.7	22.7	23.6	22.9	19.3	16.0	15.3
72.5°	*69.2*	*27.9*	*18.4*	*17.5*	*16.4*	*16.2*	*19.8*	*19.1*	*15.5*	*12.4*	*11.7*
75°	36.2	18.7	13.5	12.6	9.9	11.9	15.7	14.8	11.0	8.1	7.4
77.5°	23.6	13.3	9.2	8.1	5.6	7.9	11.7	10.3	6.5	4.0	3.6
80°	14.8	8.8	5.4	3.8	2.7	4.3	6.3	4.5	2.5	0.9	0.7
82.5°	7.9	4.5	2.0	1.3	1.1	1.3	1.6	1.1	0.4	0.0	0.0
85°	3.1	1.6	0.7	0.4	0.2	0.0	0.4	0.2	0.0	0.0	0.0
87.5°	1.1	0.2	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

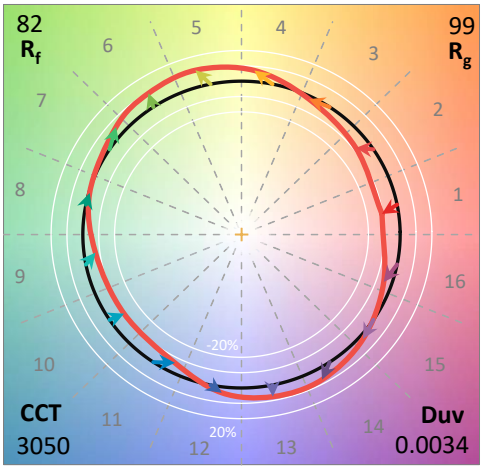
Test Information

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

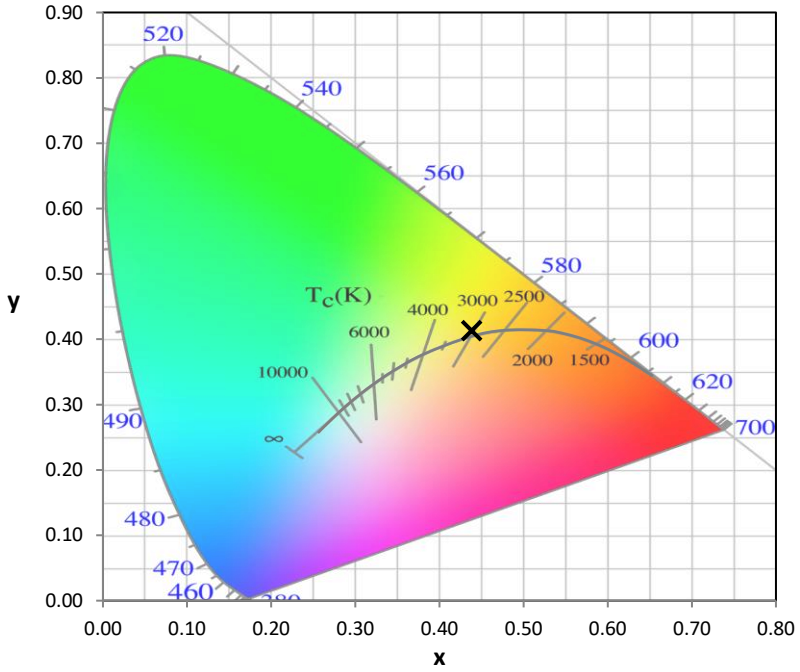
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

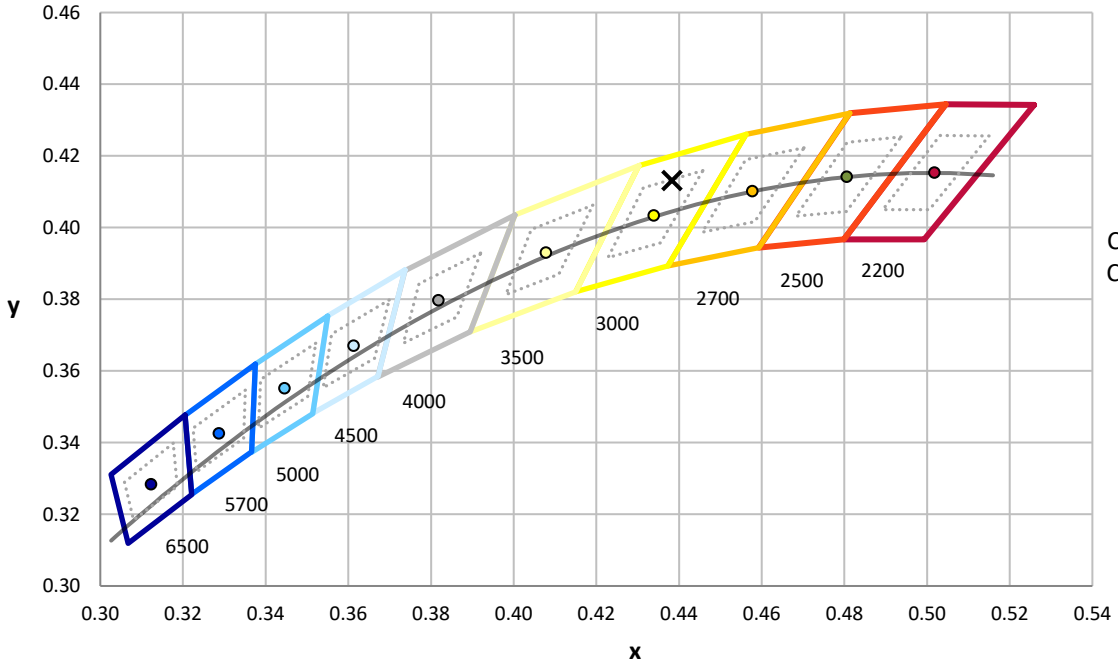
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

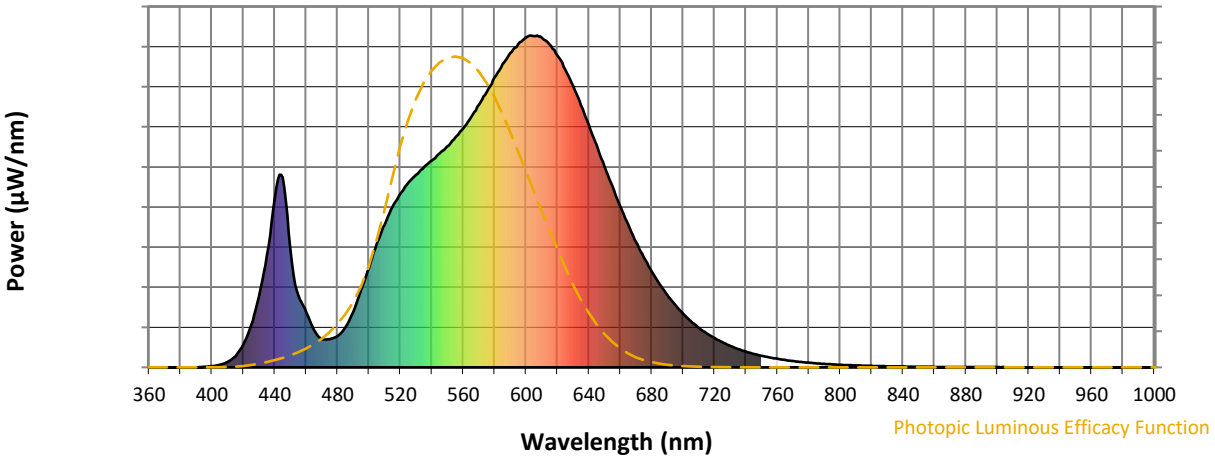


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

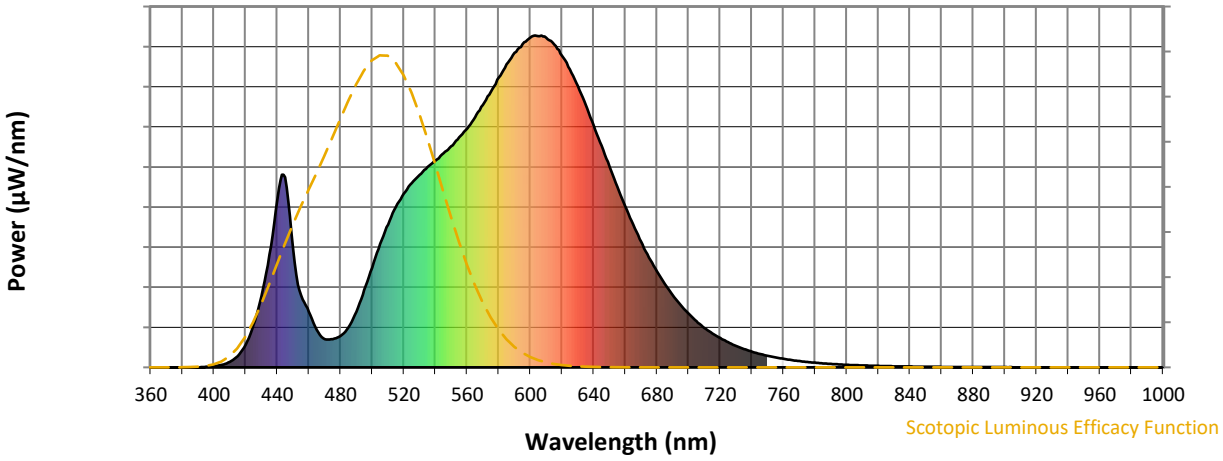


Photopic Lumens: NR

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

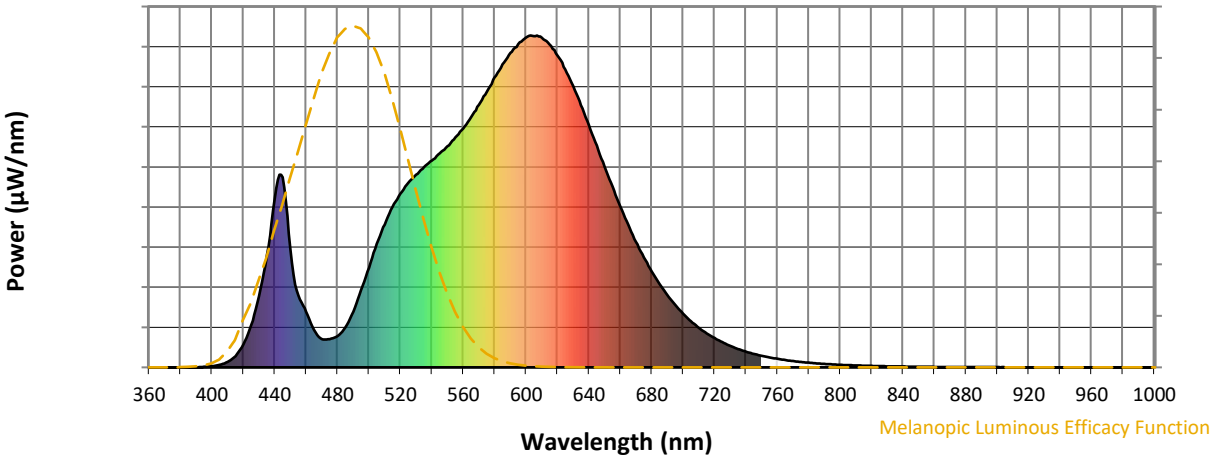


Scotopic Lumens: NR **S/P: 1.27**

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			

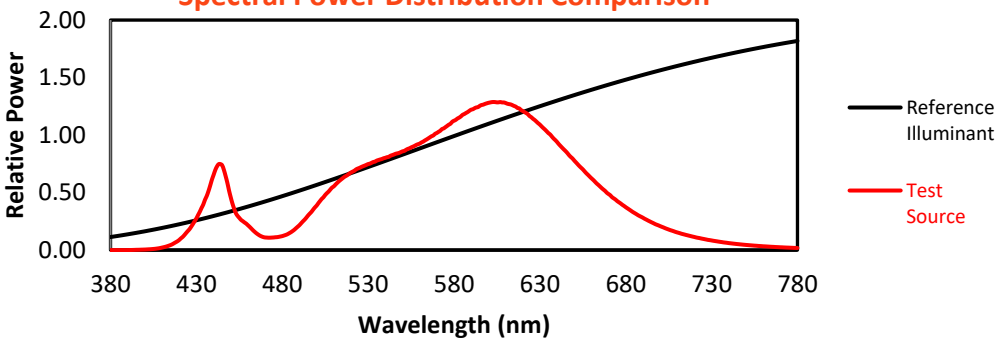
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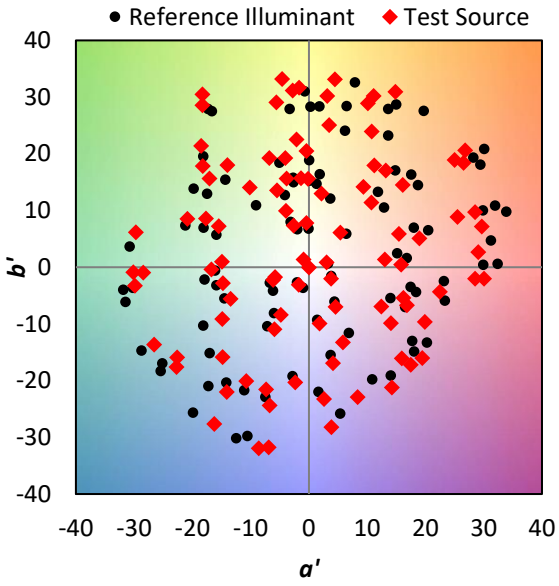
Summary

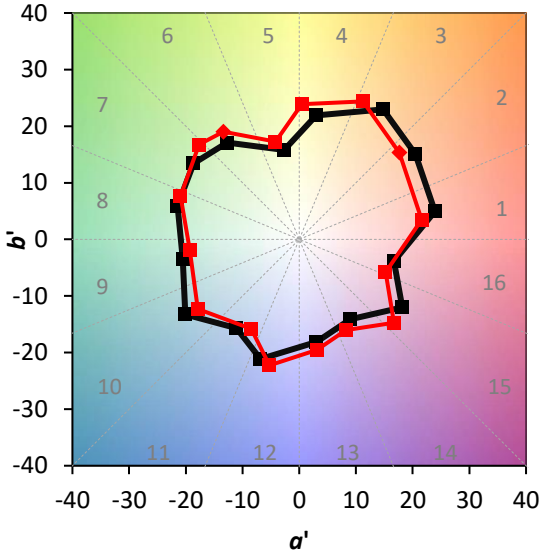
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

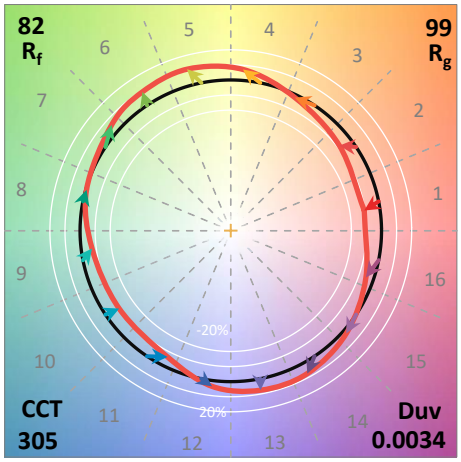
Spectral Power Distribution Comparison

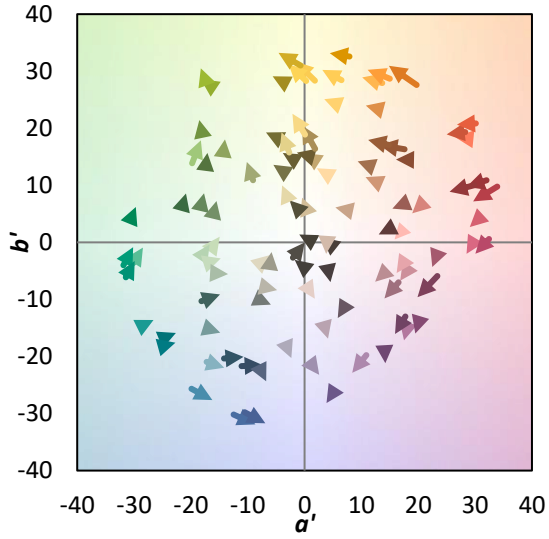


Color Vector Graphics







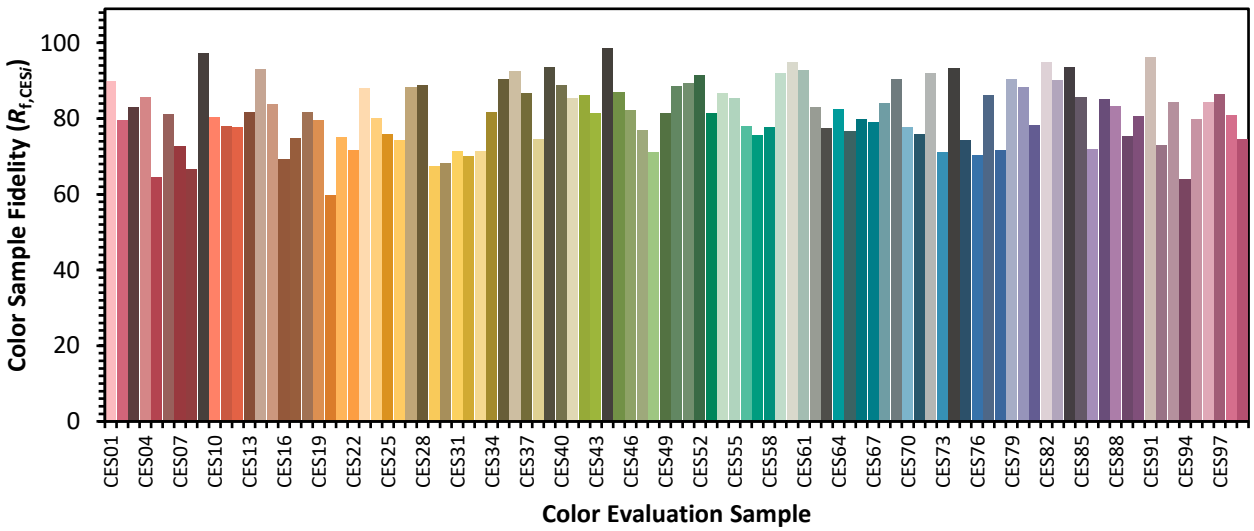


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Individual Sample Fidelity Index ($R_{f,i}$)

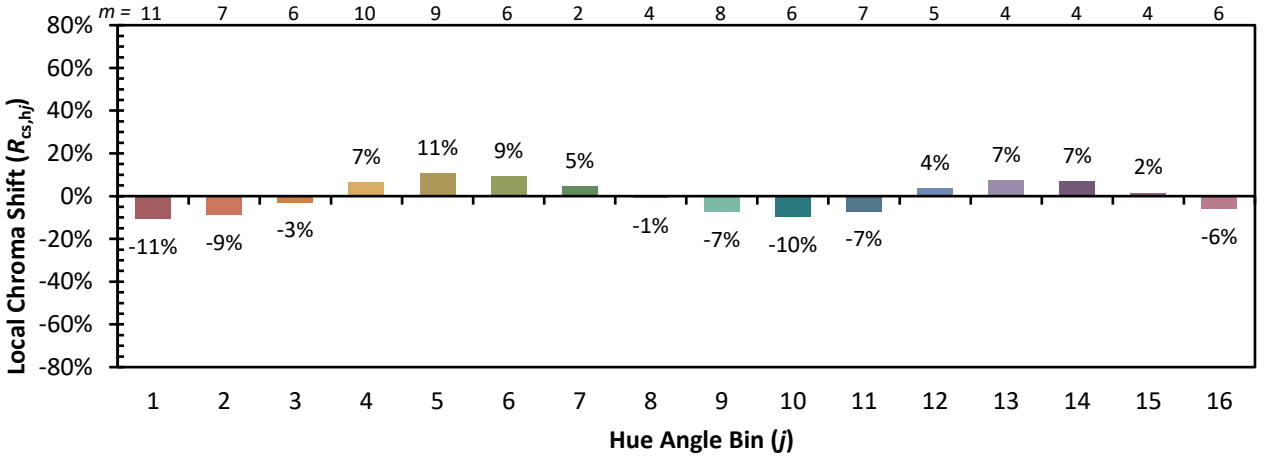
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

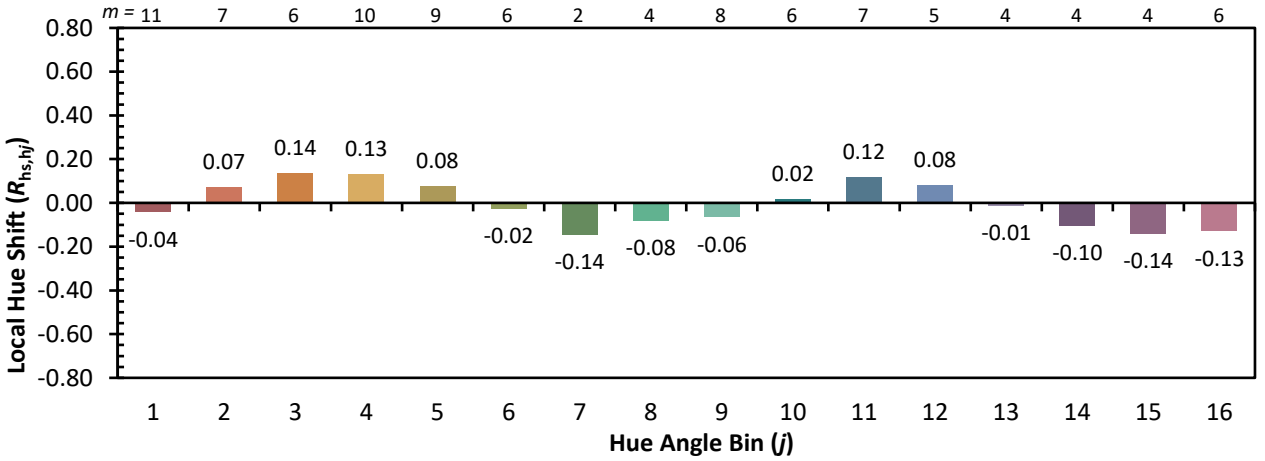


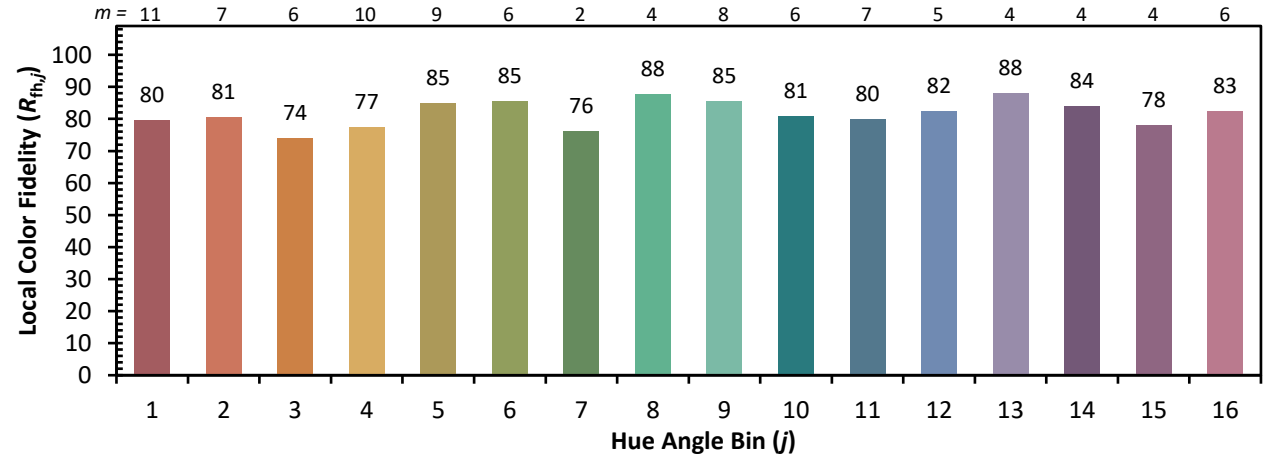
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Color Rendition by Hue-Angle Bin



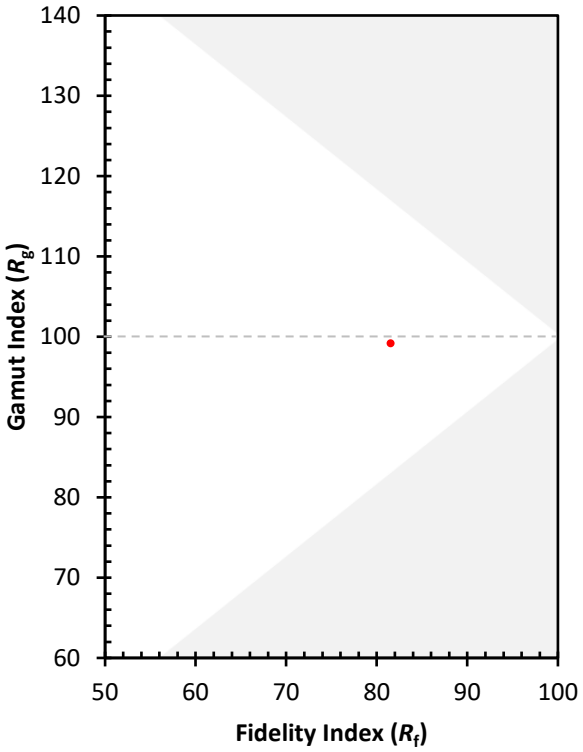


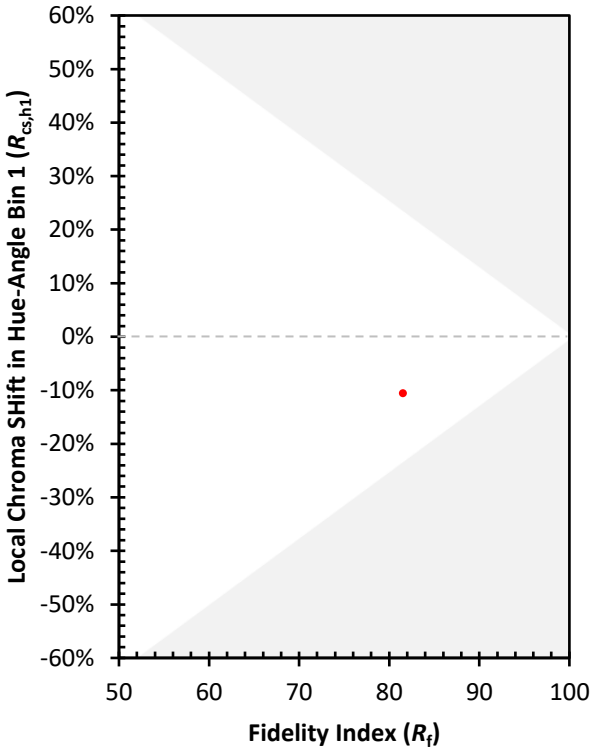


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Measure Comparisons





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