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: P1201249

Luminaire Tested: GWC-SB1A-830-U-T2

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:	P1201249
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-T2
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4015 lumens
Efficiency:	N/A
Efficacy:	129.9 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):	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

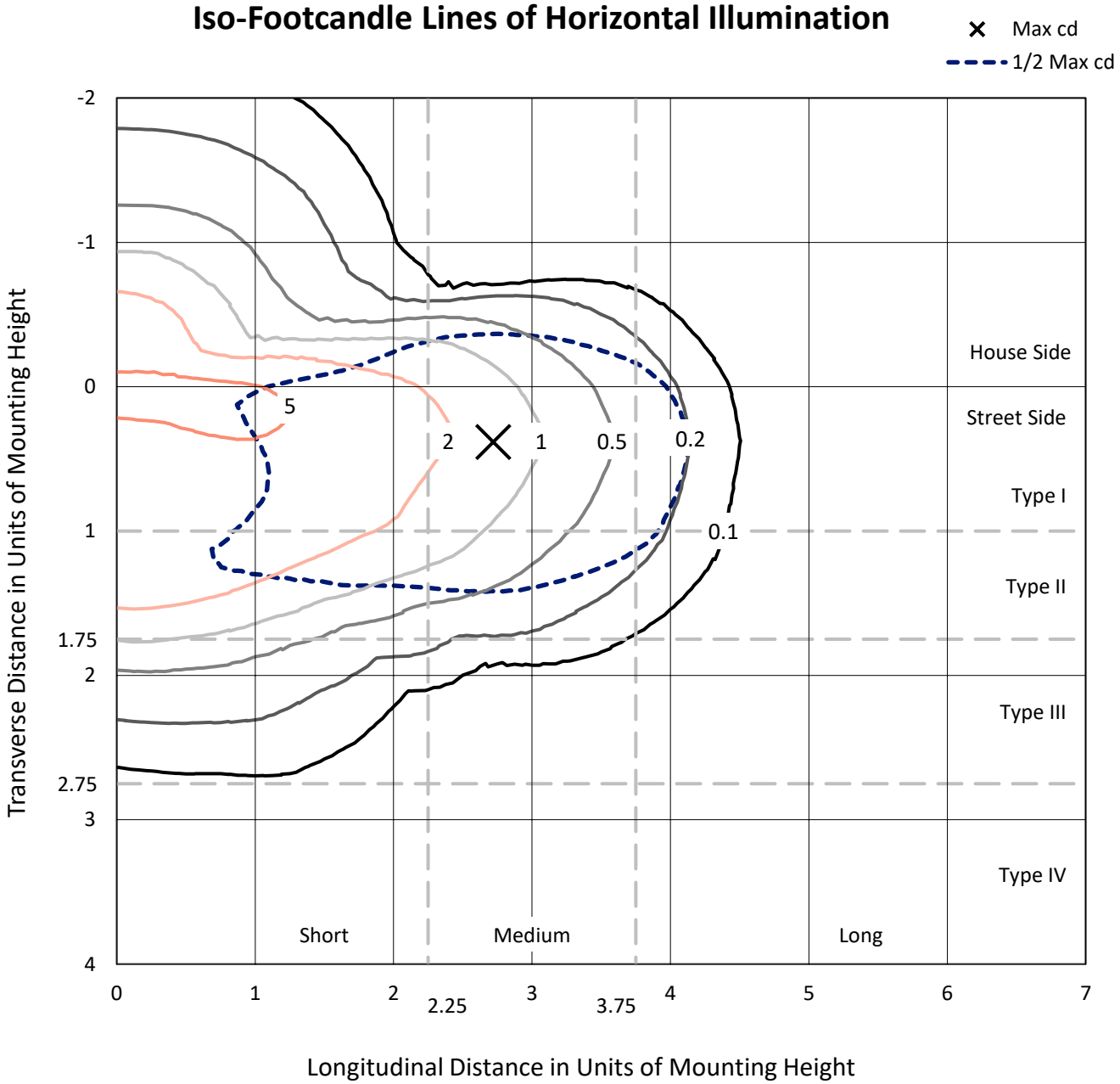


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Scaled Data Report

REPORT NUMBER: P1201249
CATALOG NUMBER: GWC-SB1A-830-U-T2

Iso-Footcandle Lines of Horizontal Illumination



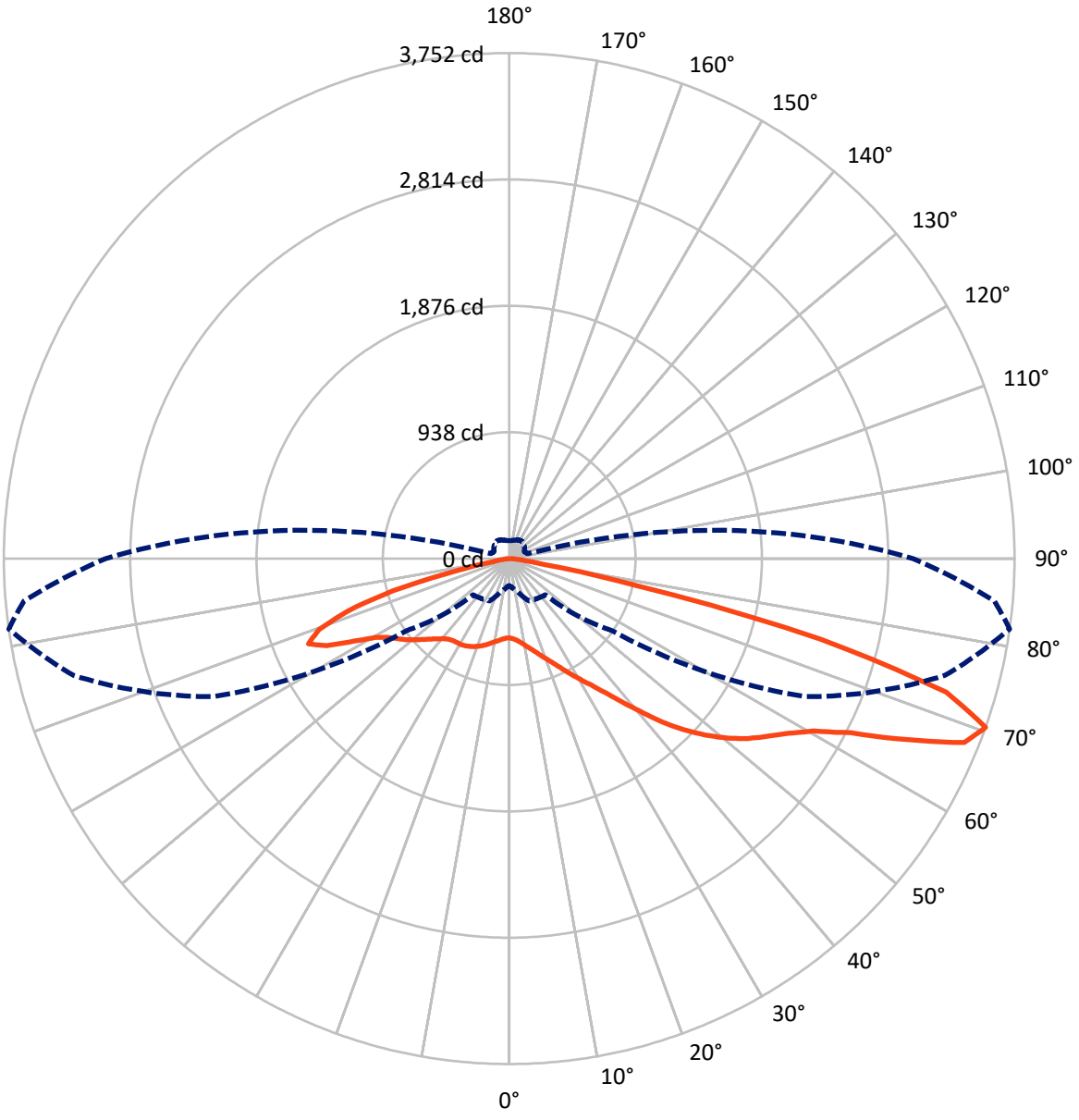
Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
Type II - Medium - N/A

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REPORT NUMBER: P1201249
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Luminous Intensity Polar Plot



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Scaled Data Report

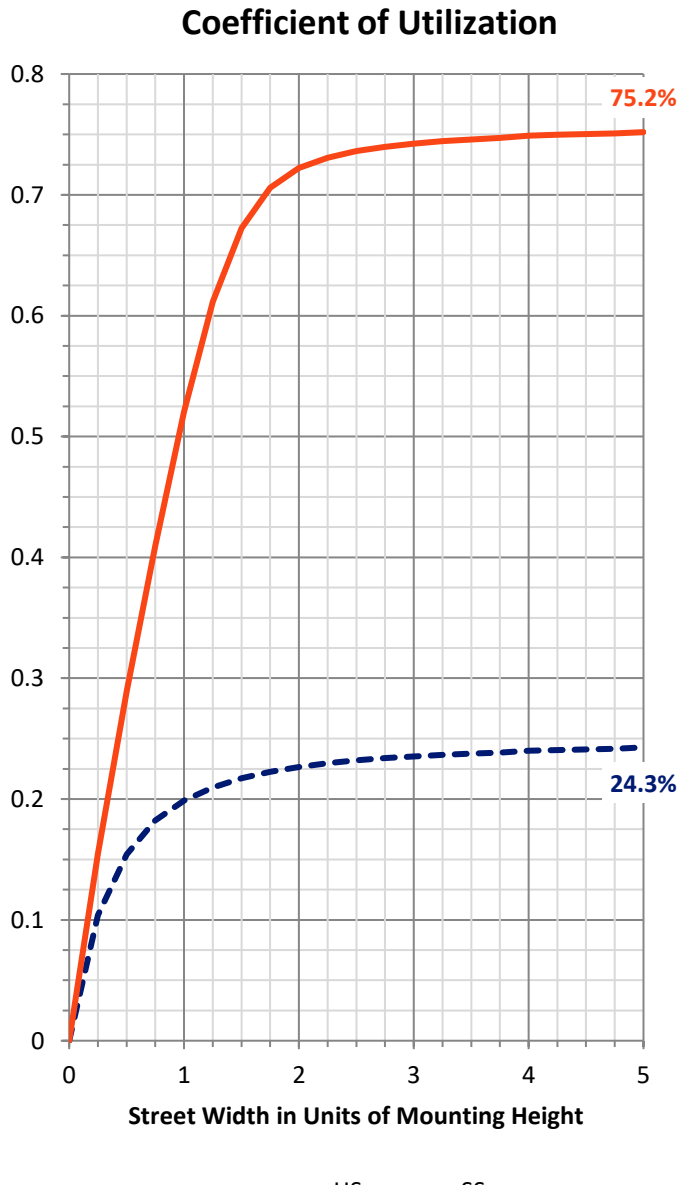
REPORT NUMBER: P1201249
CATALOG NUMBER: GWC-SB1A-830-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	989.8	0.0	989.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3025.2	0.0	3025.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	4015.0	0.0	4015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	1.4
10°-20°	159.7	4.0
20°-30°	267.1	6.7
30°-40°	417.3	10.4
40°-50°	664.6	16.6
50°-60°	924.9	23.0
60°-70°	967.5	24.1
70°-80°	505.7	12.6
80°-90°	52.5	1.3
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°	4015.0	100.0
0°-180°	4015.0	100.0



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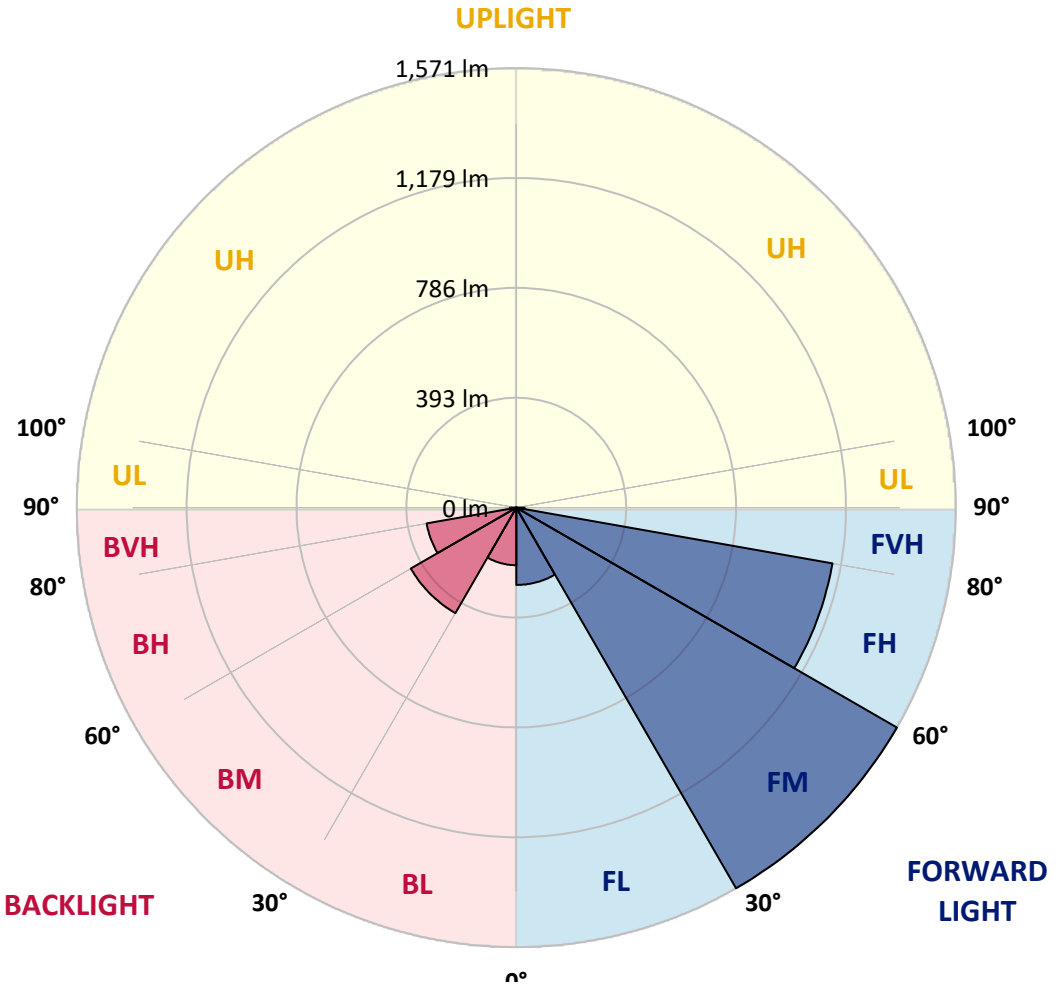
Scaled Data Report

REPORT NUMBER: P1201249
CATALOG NUMBER: GWC-SB1A-830-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	276.5	6.9			
FM	(30°-60°)	1571.4	39.1			
FH	(60°-80°)	1147.9	28.6			G1/1800
FVH	(80°-90°)	29.4	0.7			G1/100
BL	(0°-30°)	205.9	5.1	B1/500		
BM	(30°-60°)	435.5	10.8	B1/1000		
BH	(60°-80°)	325.3	8.1	B1/500		G1/500
BVH	(80°-90°)	23.1	0.6			G1/100
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: P1201249
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	588.6	588.6	588.6	588.6	588.6	588.6	588.6	588.6	588.6	*588.6*	588.6
2.5°	602.7	606.1	605.1	604.0	604.0	602.5	602.3	600.2	598.4	*595.7*	595.0
5°	610.4	614.0	613.6	614.4	617.2	617.8	618.5	617.2	613.8	*610.4*	608.9
7.5°	603.6	607.6	608.9	614.0	622.5	630.2	635.9	638.3	635.1	*630.2*	627.8
10°	580.6	585.0	589.5	601.6	616.8	634.9	650.2	659.4	658.7	*654.1*	650.0
12.5°	533.9	538.6	548.2	571.8	599.5	631.5	660.0	679.2	685.8	*682.4*	675.4
15°	496.6	500.7	507.9	532.2	568.2	616.8	663.6	700.9	717.8	*715.8*	707.3
17.5°	495.5	497.3	501.7	513.2	540.9	593.8	659.8	722.2	754.4	*754.2*	743.5
20°	514.3	514.9	517.5	519.8	535.6	576.3	650.0	739.9	795.5	*795.5*	784.0
22.5°	540.3	539.9	542.4	540.3	548.0	574.8	643.8	755.5	841.3	*844.7*	830.2
25°	579.3	577.1	576.5	571.6	573.1	588.6	650.6	773.1	895.7	*902.7*	884.6
27.5°	631.3	627.8	625.5	614.2	610.4	617.2	671.5	794.5	956.2	*968.3*	945.3
30°	699.0	692.8	689.4	669.8	656.0	657.0	703.1	822.8	1019.4	*1039.0*	1009.8
32.5°	791.5	781.9	772.7	740.6	715.2	706.9	743.7	862.0	1088.0	*1119.3*	1081.9
35°	895.0	887.3	877.5	827.9	788.9	769.7	798.7	916.7	1168.4	*1218.0*	1169.2
37.5°	994.7	988.1	992.8	925.9	875.6	847.7	870.7	990.2	1267.4	*1340.7*	1278.7
40°	1097.8	1092.7	1093.4	1029.4	970.9	939.5	958.1	1082.5	1381.0	*1486.6*	1410.4
42.5°	1209.9	1206.1	1193.3	1136.6	1070.8	1041.6	1058.6	1189.0	1502.8	*1652.8*	1554.8
45°	1335.4	1333.0	1321.1	1256.1	1180.7	1147.9	1170.9	1306.6	1625.3	*1809.2*	1699.9
47.5°	1443.8	1445.7	1444.2	1389.5	1311.3	1263.2	1290.6	1429.3	1739.3	*1956.2*	1839.0
50°	1496.0	1506.0	1520.7	1503.7	1455.1	1406.1	1411.4	1547.8	1848.0	*2094.0*	1972.4
52.5°	1468.7	1487.7	1527.8	1555.0	1573.8	1563.6	1549.3	1665.4	1950.2	*2218.5*	2098.5
55°	1367.1	1393.8	1460.2	1526.1	1621.7	1696.1	1714.8	1795.8	2049.9	*2328.0*	2217.8
57.5°	1182.0	1225.2	1284.9	1418.0	1579.1	1760.2	1907.8	1976.7	2155.6	*2444.9*	2342.7
60°	864.5	922.5	996.6	1194.8	1430.0	1725.9	2072.1	2254.5	2305.8	*2596.4*	2505.2
62.5°	553.3	589.1	657.3	843.9	1114.2	1550.1	2122.4	2601.7	2560.4	*2844.8*	2748.9
65°	378.8	401.8	464.2	569.0	720.3	1153.9	1987.7	2862.1	2964.8	*3238.5*	3165.7
67.5°	275.3	292.7	346.0	437.8	469.3	682.8	1542.5	2850.1	3357.8	*3644.2*	3530.8
70°	*200.7*	*213.0*	*257.8*	*346.0*	*361.1*	*379.9*	*934.4*	*2422.8*	*3349.3*	*3752.0*	*3616.3*
72.5°	148.7	157.2	187.3	268.4	292.3	256.5	462.5	1760.8	2878.1	*3393.6*	3284.8
75°	107.6	114.0	136.1	205.4	233.9	195.4	230.7	1029.0	2007.5	*2387.2*	2406.4
77.5°	82.2	87.1	101.6	150.4	187.3	146.6	143.2	473.4	951.9	*956.6*	1010.3
80°	66.0	69.2	77.1	105.9	143.6	109.7	93.3	191.1	300.8	*254.6*	267.2
82.5°	48.6	53.9	65.2	74.4	102.7	75.6	56.9	96.5	114.4	*98.4*	99.3
85°	27.7	31.3	39.4	53.3	65.6	46.2	32.6	42.8	53.3	*43.7*	39.0
87.5°	9.8	12.8	13.8	20.9	28.5	19.2	12.6	12.4	17.5	*13.0*	10.9
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: P1201249
CATALOG NUMBER: GWC-SB1A-830-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	588.6	588.6	588.6	588.6	588.6	588.6	588.6	588.6	588.6	588.6	588.6
2.5°	592.9	591.8	587.6	581.8	575.9	570.1	568.2	564.1	561.4	559.9	561.6
5°	604.8	601.4	591.4	578.6	565.2	550.7	540.5	531.1	524.3	517.9	520.5
7.5°	621.9	615.9	598.7	576.3	552.4	528.4	510.5	496.8	487.7	481.7	483.0
10°	641.7	632.5	606.1	572.7	535.8	501.3	480.2	468.5	462.7	459.5	460.4
12.5°	664.5	651.5	613.8	564.4	510.5	471.0	456.6	453.2	453.4	453.6	454.0
15°	692.6	674.5	620.0	546.3	477.4	447.8	445.3	450.8	456.6	459.3	459.1
17.5°	724.4	698.8	621.0	516.4	445.1	432.9	441.0	452.9	461.7	465.5	466.4
20°	758.4	723.5	613.4	474.2	418.4	420.8	435.3	450.6	460.2	465.1	466.4
22.5°	797.4	749.9	595.0	429.9	396.7	407.6	424.6	439.5	449.5	454.4	455.7
25°	842.0	779.5	566.3	392.6	377.9	392.6	409.7	422.0	430.1	434.6	435.9
27.5°	891.4	810.4	527.9	363.0	361.5	377.3	391.4	401.0	405.2	408.6	409.9
30°	941.0	838.6	481.5	340.7	347.3	362.2	372.2	376.5	377.7	378.4	379.9
32.5°	994.7	862.8	432.7	322.1	333.6	347.5	353.4	355.4	349.4	345.3	346.6
35°	1059.7	888.8	385.0	307.4	320.2	332.1	334.1	332.4	325.3	317.0	317.4
37.5°	1140.0	921.2	346.8	297.0	307.6	315.5	313.2	312.8	313.4	303.6	304.2
40°	1238.4	963.4	318.9	288.9	297.4	299.1	292.5	296.1	299.3	284.4	284.8
42.5°	1347.7	1014.3	301.2	283.4	288.9	284.8	274.6	278.7	278.2	258.6	258.4
45°	1459.2	1069.7	295.1	279.3	281.0	272.9	261.6	262.7	253.7	236.1	236.7
47.5°	1569.9	1129.1	298.9	275.9	271.2	262.0	253.3	248.6	235.4	222.2	222.2
50°	1678.6	1191.6	313.0	269.1	257.8	252.5	246.1	237.8	223.7	212.4	211.6
52.5°	1779.4	1254.4	328.7	257.8	241.0	244.2	240.1	230.5	216.7	205.2	205.4
55°	1874.8	1317.3	334.9	242.2	225.2	236.9	234.6	216.9	200.3	190.9	190.0
57.5°	1978.8	1392.9	328.1	222.4	212.4	228.6	219.7	200.1	190.5	183.4	182.8
60°	2122.8	1511.6	313.4	197.9	200.3	216.2	200.9	192.8	182.4	174.5	174.1
62.5°	2362.1	1732.9	289.7	173.6	186.0	197.9	192.0	183.9	173.2	165.5	165.5
65°	2715.7	2040.6	245.2	154.7	170.0	180.0	182.4	174.3	163.2	155.1	155.5
67.5°	3014.0	2233.6	185.6	138.9	153.6	165.5	172.1	164.3	152.5	144.7	144.9
70°	*2997.6*	*2093.4*	*141.7*	*123.4*	*139.1*	*151.3*	*159.8*	*153.6*	*141.0*	*133.6*	*134.2*
72.5°	2662.4	1751.2	114.6	107.6	124.4	136.4	146.6	141.9	129.1	121.9	121.9
75°	1956.0	1243.1	91.6	91.6	106.1	120.8	132.1	129.1	117.4	112.3	110.8
77.5°	824.5	521.5	71.8	76.1	88.2	103.8	117.8	118.9	108.7	115.0	104.4
80°	219.2	143.8	54.8	59.9	69.2	85.6	102.5	102.0	91.0	85.0	79.0
82.5°	83.5	56.7	39.0	42.2	50.1	65.6	81.2	83.7	72.6	62.8	62.8
85°	32.2	24.3	24.1	25.4	29.2	43.5	61.4	63.5	54.8	46.4	47.9
87.5°	8.3	7.2	8.9	8.5	13.4	23.2	35.2	36.4	33.4	19.4	27.7
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

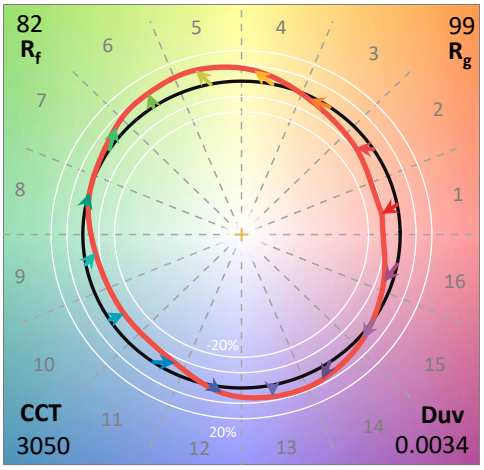
Test Information

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

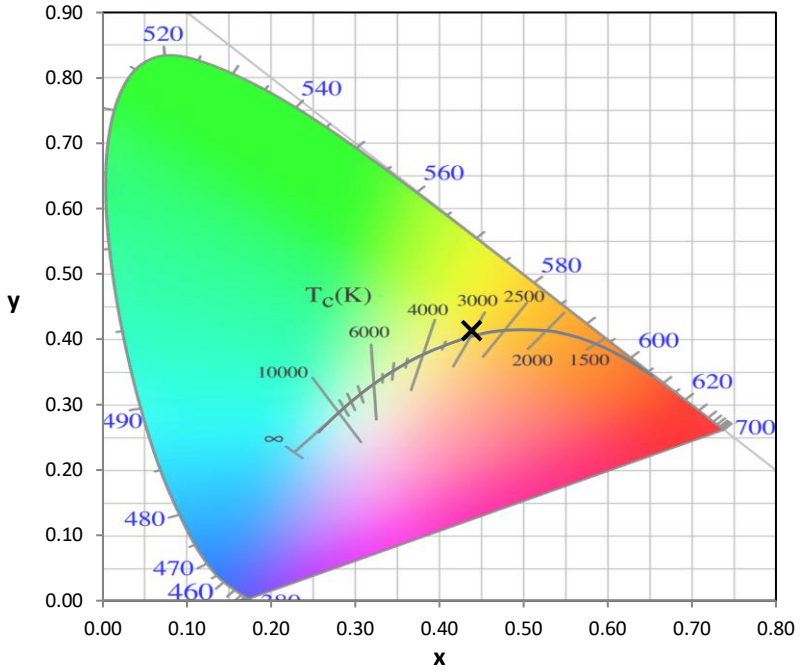
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

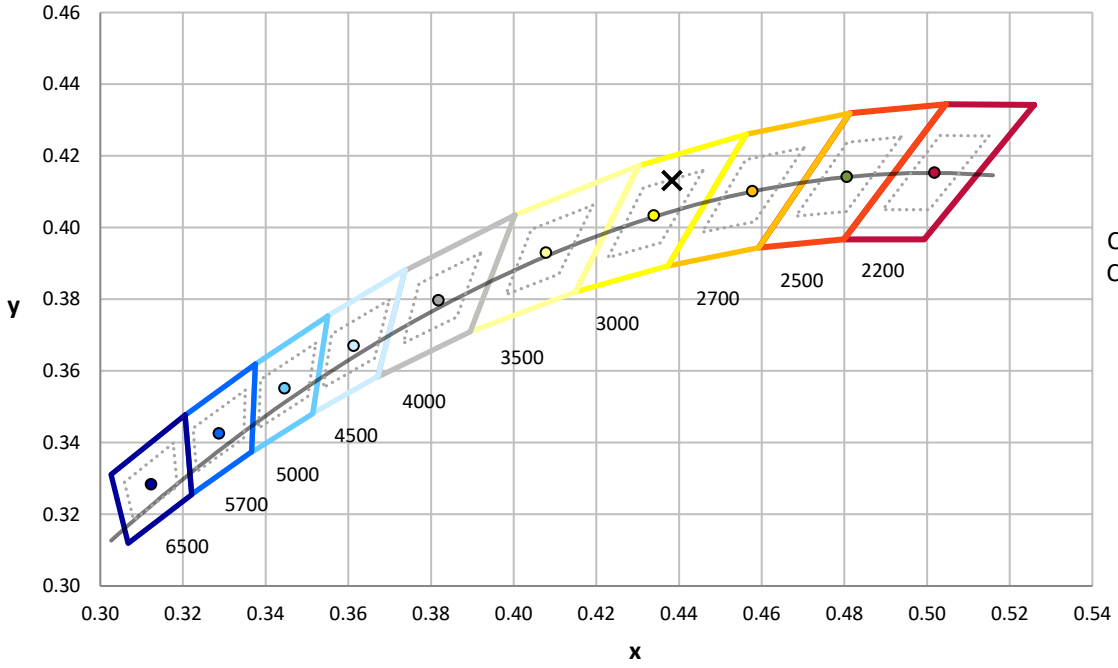
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

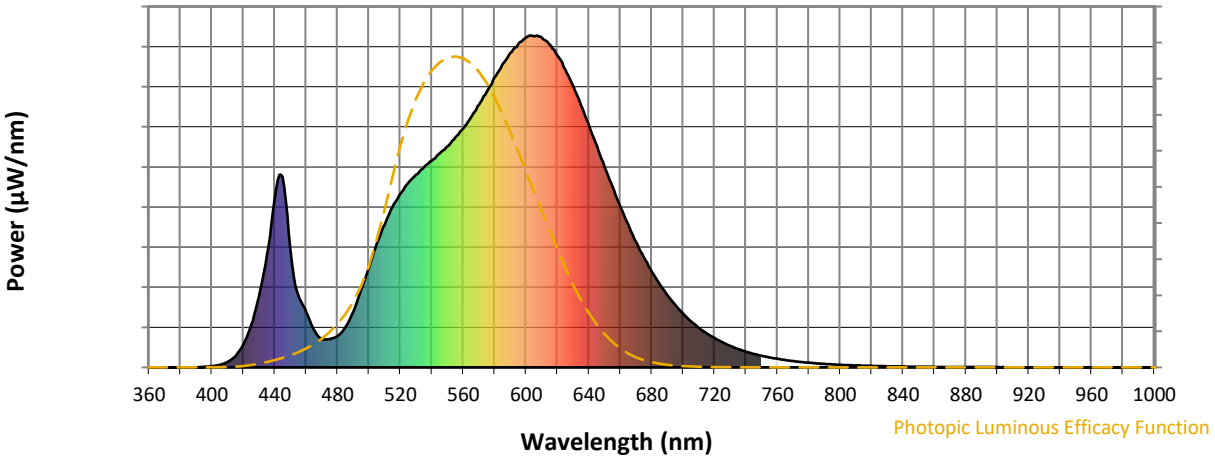


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

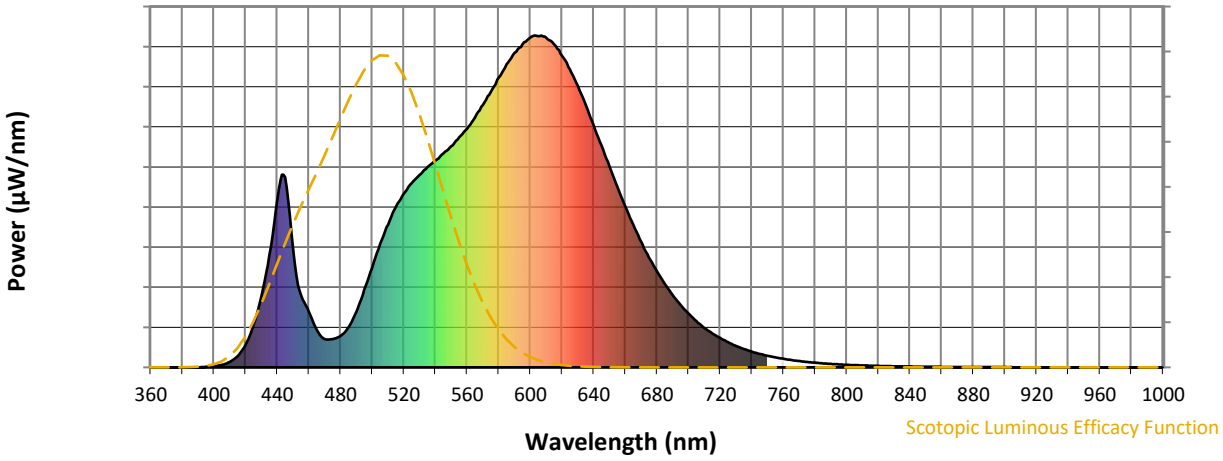


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

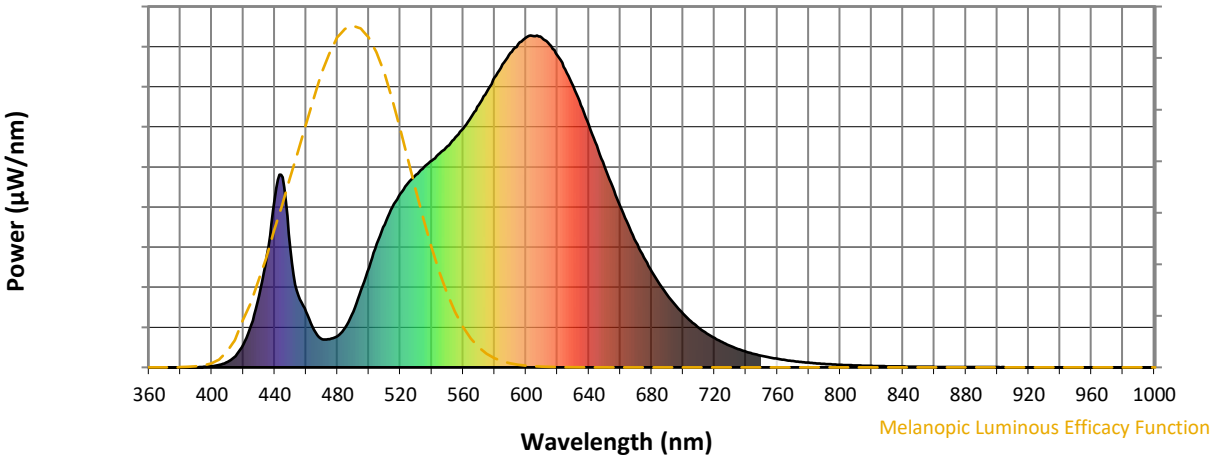


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

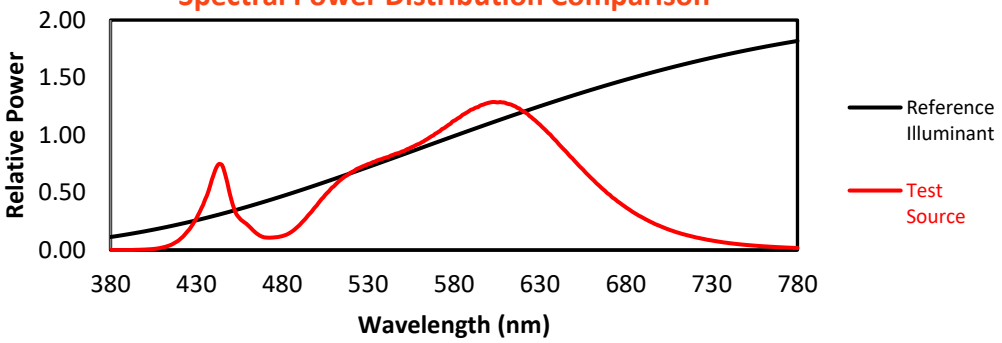
REPORT NUMBER: SP1-2408-195-9

TM-30-18

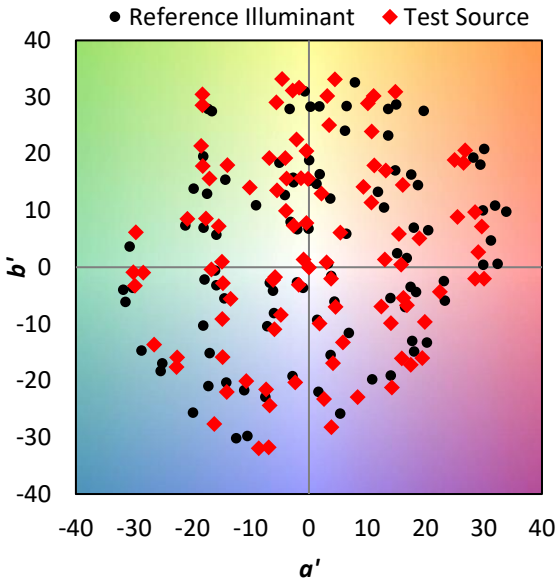
Summary

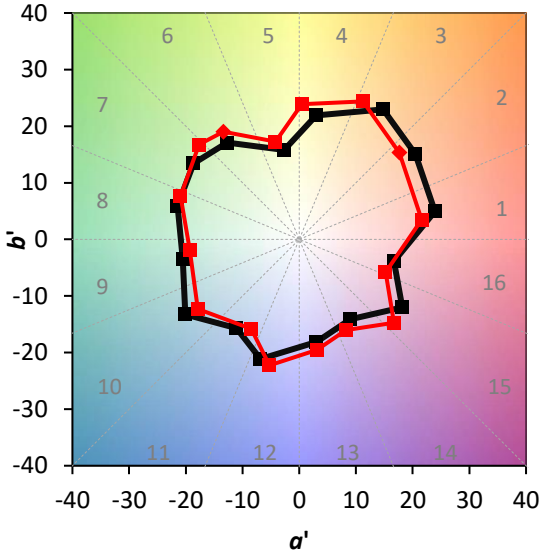
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

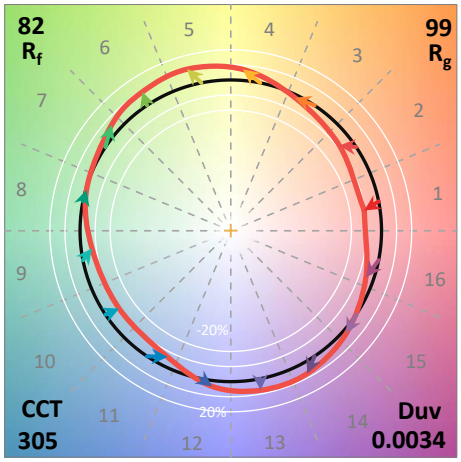
Spectral Power Distribution Comparison

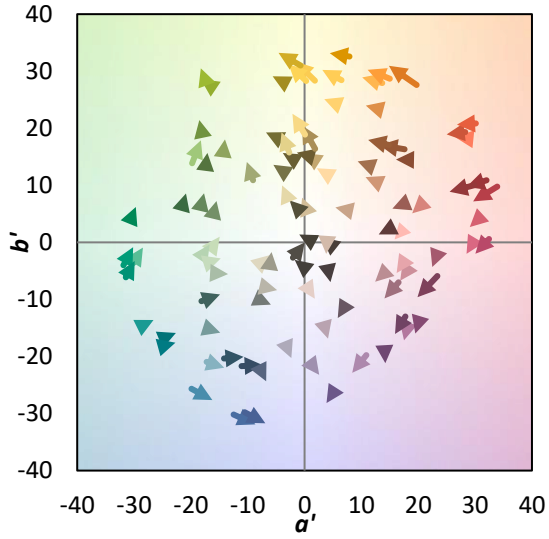


Color Vector Graphics







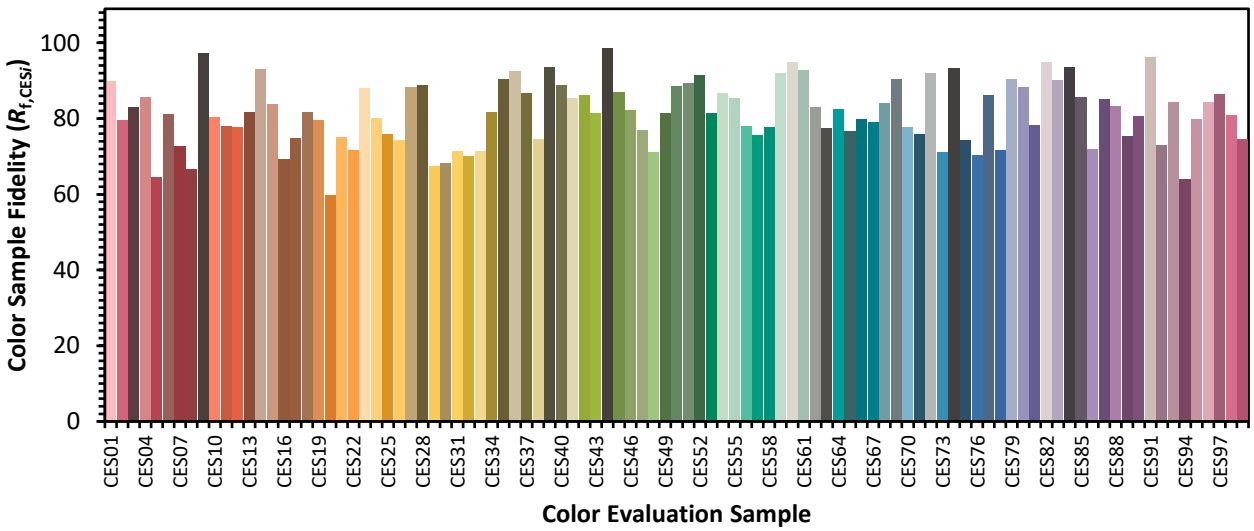


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

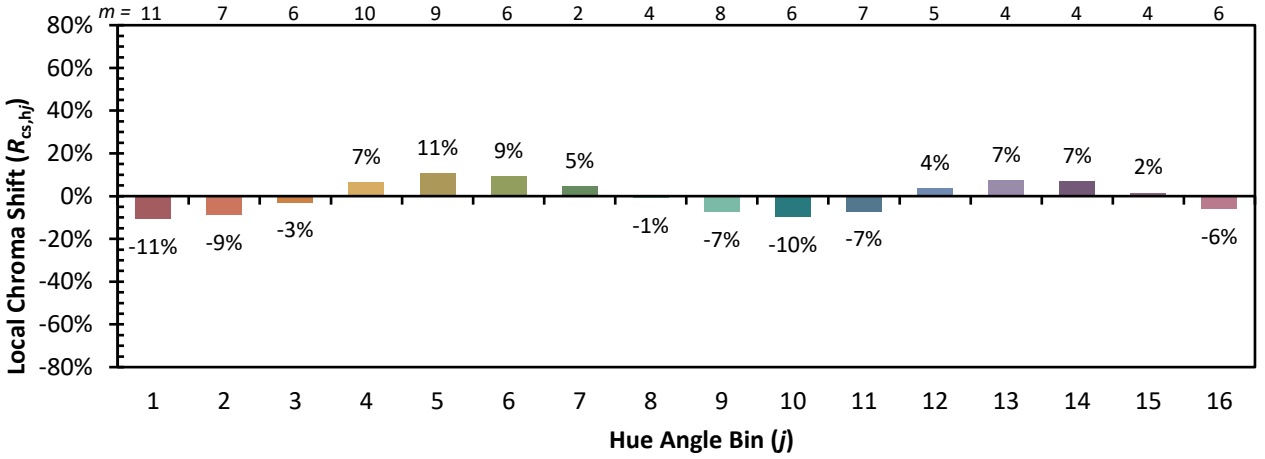
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

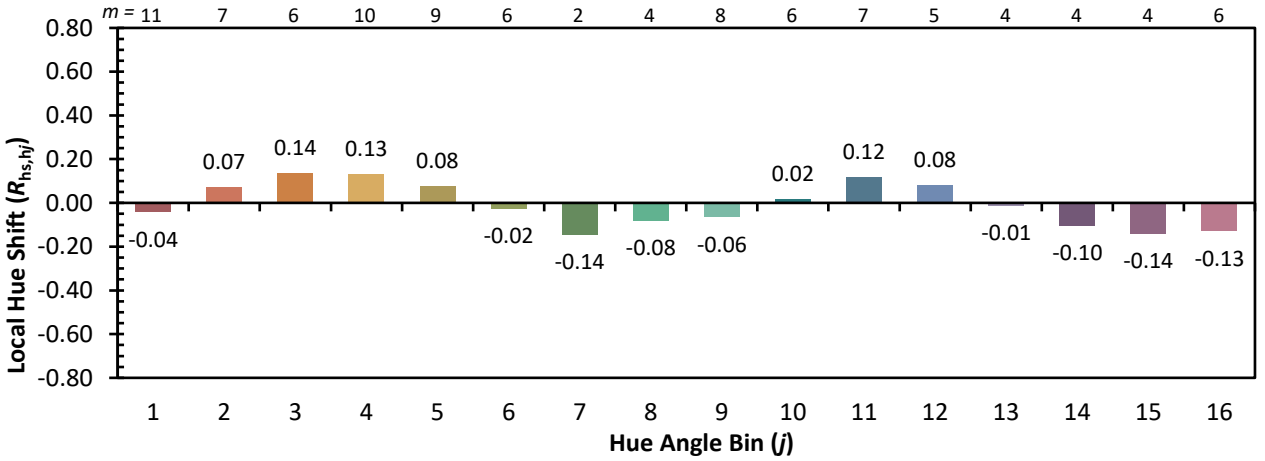


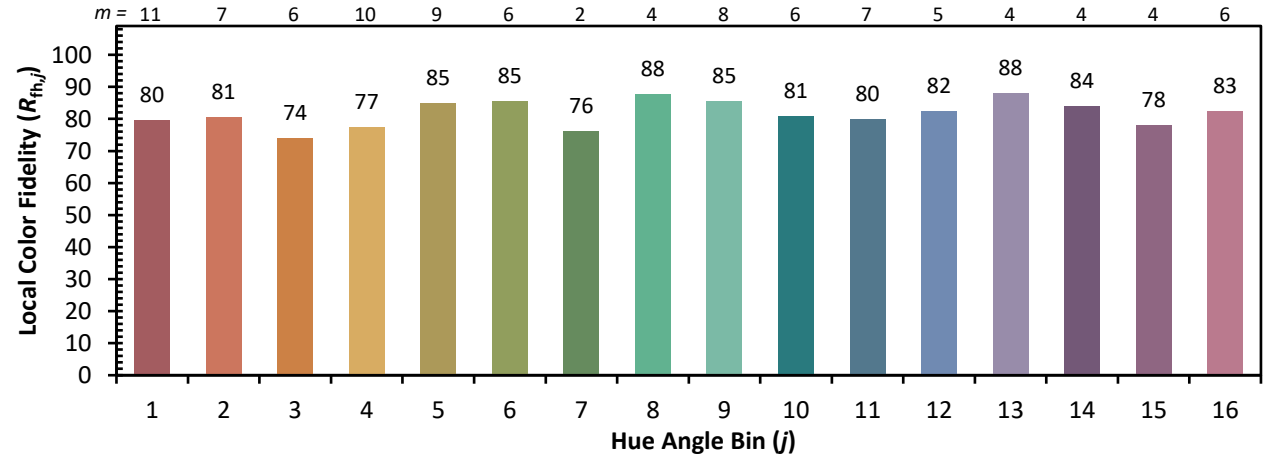
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



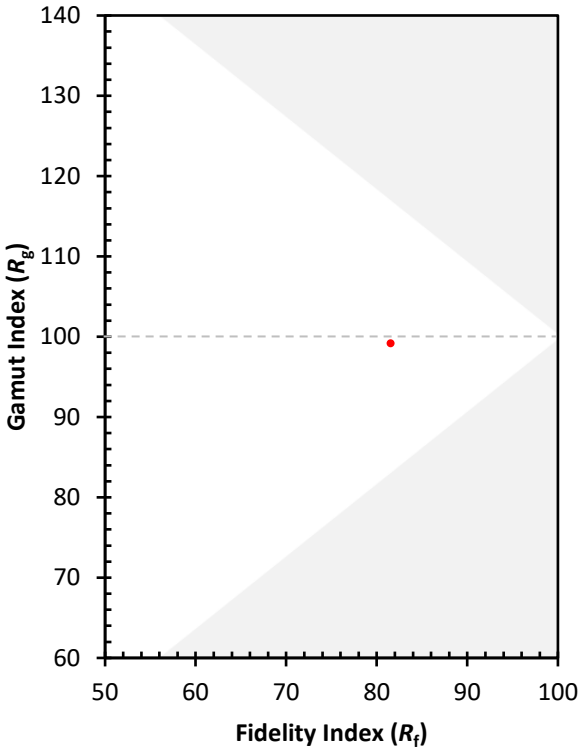


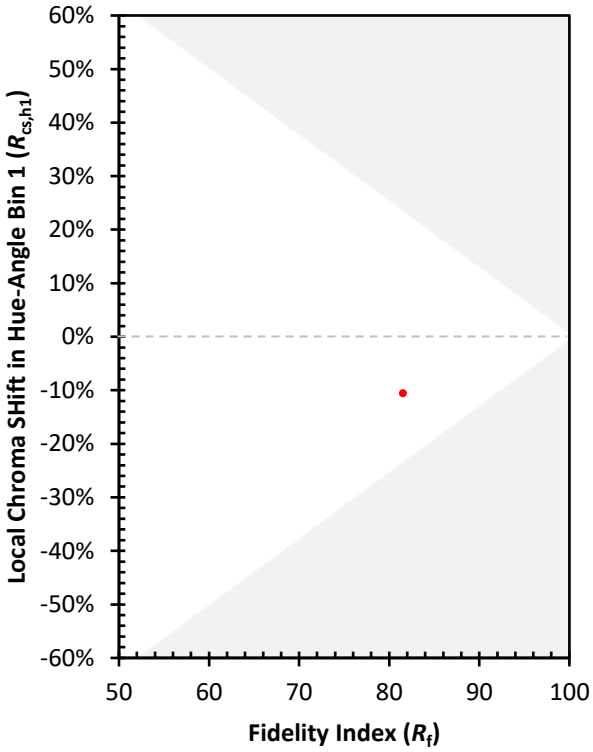


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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