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: P1201251

Luminaire Tested: GWC-SB1A-830-U-T3

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:	P1201251
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-T3
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4055 lumens
Efficiency:	N/A
Efficacy:	131.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
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

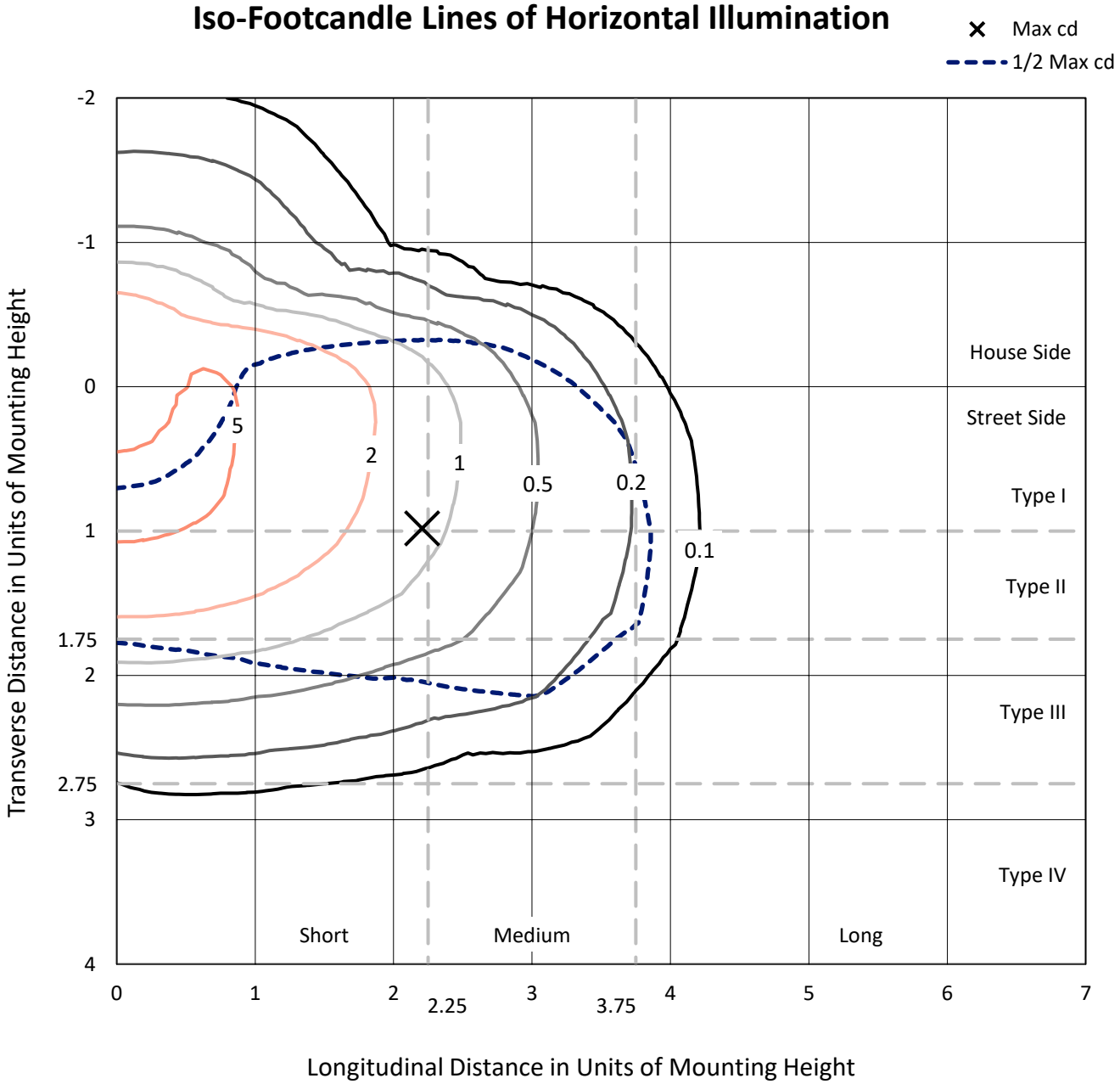


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Scaled Data Report

REPORT NUMBER: P1201251
CATALOG NUMBER: GWC-SB1A-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination



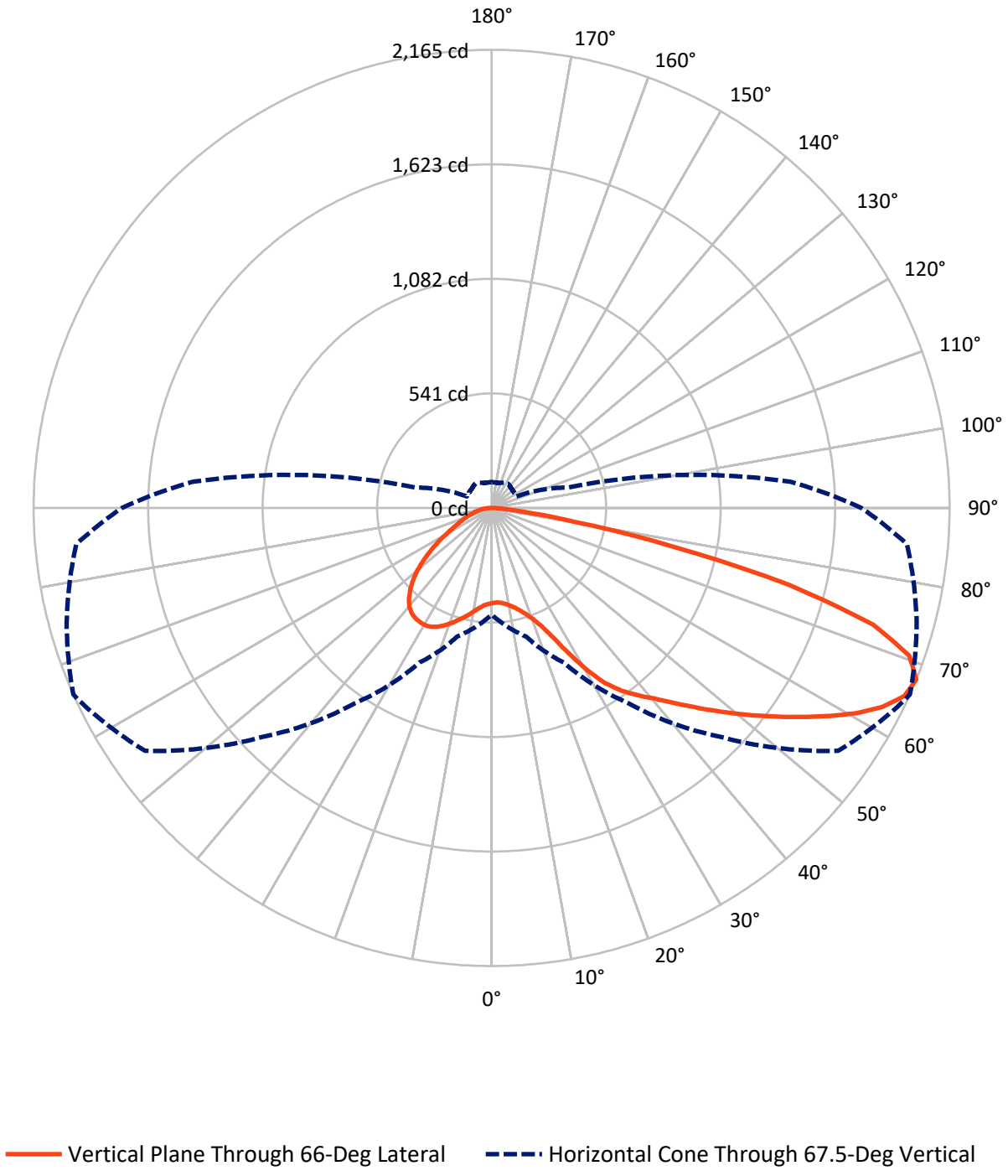
Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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Scaled Data Report

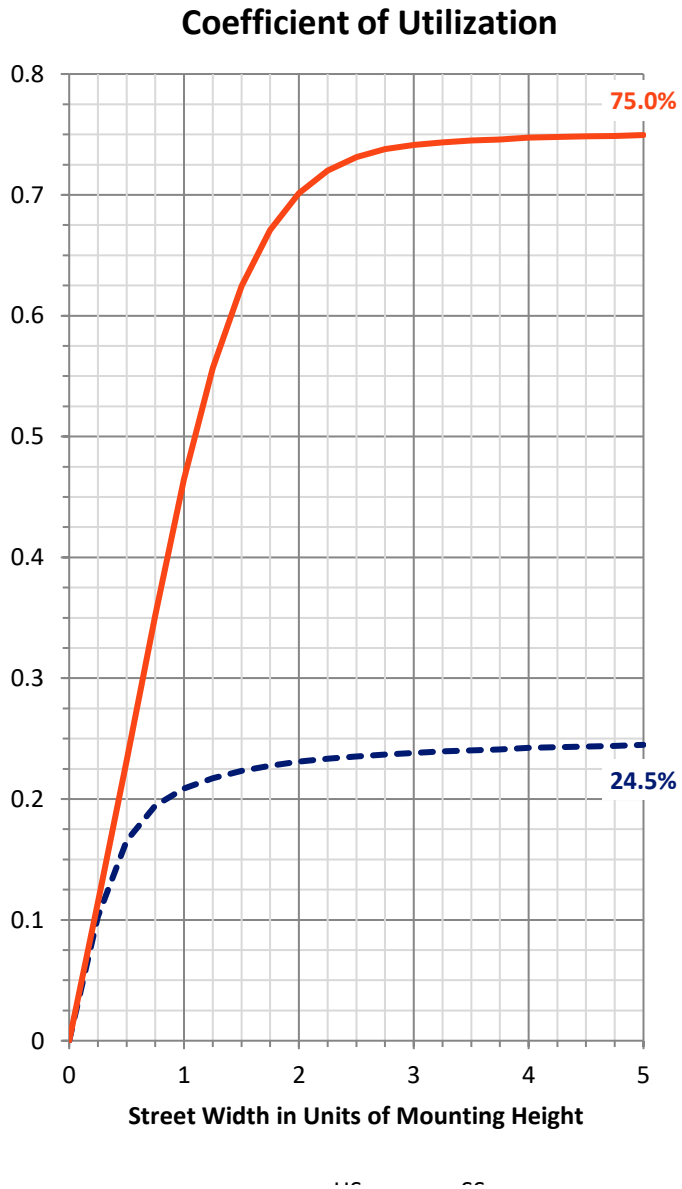
REPORT NUMBER: P1201251
CATALOG NUMBER: GWC-SB1A-830-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1008.3	0.0	1008.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3046.7	0.0	3046.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	4055.0	0.0	4055.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	1.1
10°-20°	147.3	3.6
20°-30°	284.0	7.0
30°-40°	497.9	12.3
40°-50°	740.2	18.3
50°-60°	938.3	23.1
60°-70°	918.1	22.6
70°-80°	437.9	10.8
80°-90°	46.8	1.2
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°	4055.0	100.0
0°-180°	4055.0	100.0



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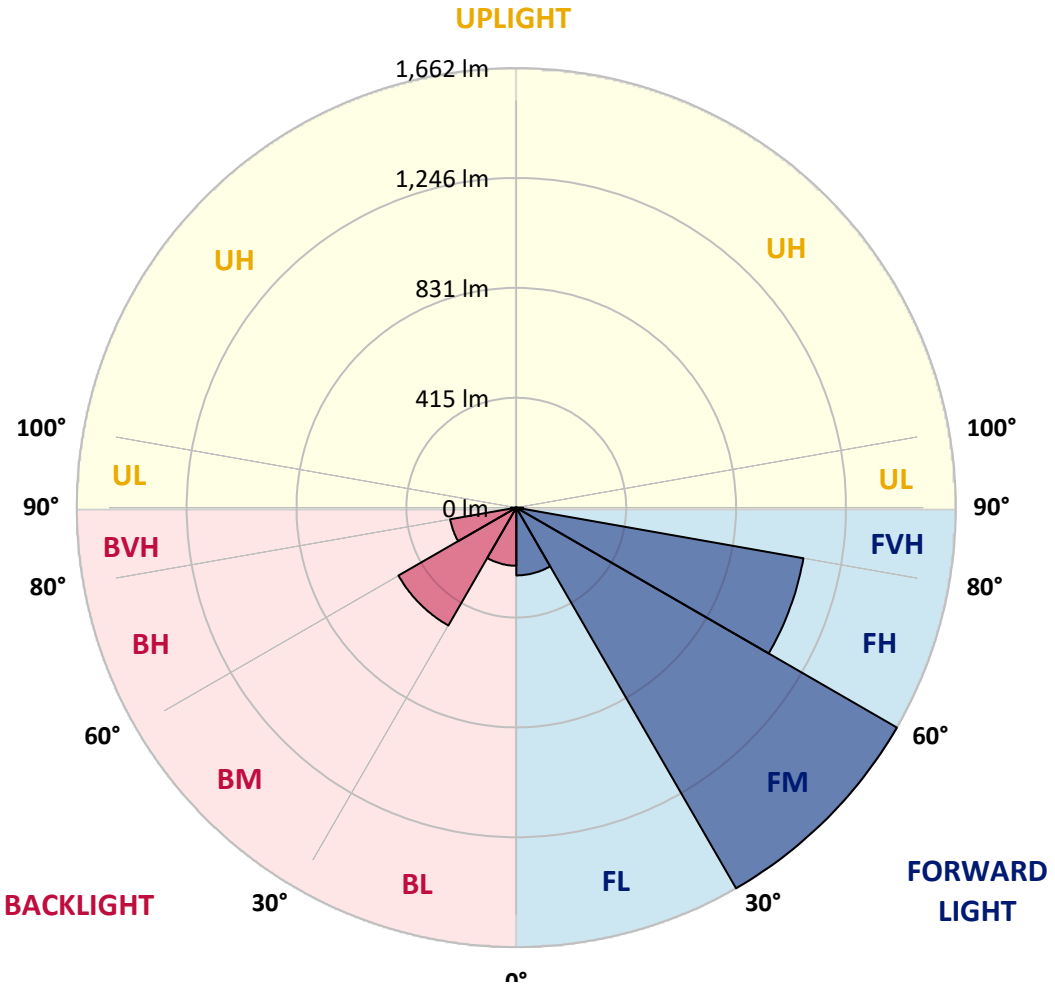
Scaled Data Report

REPORT NUMBER: P1201251
CATALOG NUMBER: GWC-SB1A-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	256.2	6.3			
FM	(30°-60°)	1661.7	41.0			
FH	(60°-80°)	1102.3	27.2			G1/1800
FVH	(80°-90°)	26.5	0.7			G1/100
BL	(0°-30°)	219.6	5.4	B1/500		
BM	(30°-60°)	514.6	12.7	B1/1000		
BH	(60°-80°)	253.7	6.3	B1/500		G1/500
BVH	(80°-90°)	20.3	0.5			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 III Short



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Scaled Data Report

REPORT NUMBER: P1201251
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8	*449.8*	449.8	449.8
2.5°	445.1	447.6	447.0	445.9	445.7	446.1	446.8	447.4	*447.2*	448.3	450.0
5°	443.8	446.3	446.1	446.1	447.0	448.7	449.8	450.8	*449.8*	451.0	453.4
7.5°	444.6	446.6	447.4	448.3	450.4	453.6	456.1	458.5	*457.2*	458.7	461.7
10°	455.5	457.0	457.8	457.8	459.3	463.0	465.5	469.8	*468.7*	471.1	474.9
12.5°	475.3	476.8	476.8	476.0	477.0	479.4	480.2	484.9	*483.0*	486.8	490.7
15°	499.6	502.6	500.2	498.8	499.2	501.5	501.3	504.9	*503.0*	506.2	509.6
17.5°	526.5	530.3	526.5	526.2	525.4	527.9	528.2	531.4	*527.9*	530.3	532.6
20°	558.2	563.5	560.3	561.4	559.5	560.5	561.6	566.3	*561.0*	562.7	562.0
22.5°	602.9	609.3	605.9	610.0	608.7	607.8	607.6	615.9	*607.6*	608.3	602.1
25°	668.1	675.8	669.8	675.4	675.4	678.1	681.3	692.0	*678.1*	674.1	658.1
27.5°	764.4	772.1	760.4	763.8	762.7	769.5	766.1	792.6	*777.6*	771.0	738.9
30°	880.3	894.0	871.8	871.0	869.9	880.8	885.7	903.1	*888.0*	881.4	842.6
32.5°	1005.6	1019.9	993.5	985.8	981.7	988.3	984.3	998.4	*987.9*	977.7	929.8
35°	1138.1	1152.2	1127.0	1112.1	1095.9	1082.1	1067.6	1071.2	*1061.4*	1045.9	996.2
37.5°	1263.4	1289.2	1262.5	1246.6	1216.7	1189.7	1149.2	1132.4	*1123.2*	1108.9	1058.9
40°	1391.0	1405.7	1385.5	1371.8	1339.5	1297.1	1232.3	1196.7	*1184.4*	1170.5	1128.1
42.5°	1485.0	1499.0	1488.2	1478.8	1453.4	1404.2	1320.5	1276.0	*1258.1*	1242.5	1206.5
45°	1559.5	1570.0	1563.2	1566.6	1555.7	1508.0	1411.9	1361.0	*1342.4*	1323.5	1295.1
47.5°	1589.6	1600.7	1611.5	1631.8	1650.3	1615.1	1510.1	1453.0	*1433.4*	1414.0	1386.1
50°	1586.2	1597.5	1629.0	1672.0	1729.6	1717.8	1613.7	1551.0	*1532.9*	1510.8	1485.0
52.5°	1558.9	1571.7	1612.2	1683.8	1775.4	1794.8	1719.1	1652.2	*1635.2*	1608.8	1583.0
55°	1487.3	1495.0	1555.7	1657.1	1786.2	1848.4	1822.4	1760.0	*1743.0*	1706.1	1678.0
57.5°	1354.6	1365.7	1454.1	1585.3	1759.0	1884.9	1913.2	1873.4	*1857.0*	1803.9	1774.5
60°	1181.4	1199.1	1300.3	1464.7	1689.5	1884.7	1995.7	1984.8	*1971.2*	1900.2	1869.5
62.5°	985.4	1005.8	1103.2	1294.3	1568.1	1831.2	2047.2	2078.1	*2071.1*	1989.1	1949.9
65°	756.8	770.8	867.8	1073.8	1379.1	1716.3	2053.2	2141.8	*2143.1*	2056.6	1991.8
67.5°	*503.9*	*544.3*	*628.5*	*805.8*	*1126.0*	*1528.6*	*2000.8*	*2152.3*	*2164.6*	*2079.8*	*1970.7*
70°	245.9	299.1	381.6	523.7	805.8	1240.8	1863.8	2066.6	*2094.1*	2012.1	1845.0
72.5°	102.1	119.3	164.3	258.4	462.5	837.3	1588.5	1834.4	*1885.3*	1782.8	1551.2
75°	68.8	74.6	94.0	132.5	210.7	412.9	1145.6	1367.8	*1449.8*	1346.5	1100.6
77.5°	53.0	56.7	68.4	92.7	125.3	156.2	613.2	824.3	*866.7*	802.4	572.7
80°	41.8	44.5	51.1	67.5	88.8	83.5	209.0	373.5	*398.0*	333.9	184.1
82.5°	36.2	37.3	36.6	45.8	59.0	48.8	68.6	137.8	*152.1*	110.4	60.1
85°	26.2	29.2	30.5	28.3	31.3	24.7	28.1	48.8	*53.7*	47.9	33.9
87.5°	10.7	15.8	19.4	18.3	11.5	7.0	8.7	14.3	*16.4*	17.9	11.1
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: P1201251
CATALOG NUMBER: GWC-SB1A-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8
2.5°	450.2	451.7	452.7	454.0	454.9	456.1	458.7	460.2	460.4	461.5	461.3
5°	454.2	456.4	458.7	462.1	465.9	469.1	474.0	477.4	478.7	479.8	479.6
7.5°	463.0	465.9	470.2	476.2	481.7	486.0	491.9	496.0	500.0	501.5	501.7
10°	476.0	480.2	486.4	494.5	500.5	506.0	512.2	515.6	519.6	521.3	522.2
12.5°	492.2	496.6	504.7	516.0	521.6	525.4	527.5	526.7	527.5	529.0	529.4
15°	510.7	515.6	524.7	536.9	540.7	537.3	532.6	528.4	527.7	528.2	529.6
17.5°	532.6	536.3	546.9	557.1	554.4	540.3	530.1	523.3	519.8	518.8	520.3
20°	563.3	563.3	572.0	578.4	559.9	536.0	520.1	509.0	502.0	499.0	498.3
22.5°	600.6	597.2	602.7	598.3	558.8	524.1	502.0	482.8	472.1	467.9	467.2
25°	647.9	643.8	642.4	614.7	551.2	505.1	469.1	445.9	436.5	434.2	434.6
27.5°	719.3	709.0	689.6	623.6	537.1	475.3	430.8	409.3	403.9	404.2	404.8
30°	814.3	793.8	746.3	625.1	514.1	433.1	391.6	376.3	373.7	374.8	378.4
32.5°	902.3	882.9	804.3	618.3	478.7	391.8	356.4	346.2	342.4	343.7	345.4
35°	971.3	966.0	858.0	608.7	435.3	353.0	324.9	316.2	308.7	307.0	308.3
37.5°	1036.5	1034.4	898.2	595.3	392.2	325.5	299.6	288.0	277.2	271.2	271.4
40°	1108.1	1106.0	924.6	574.6	354.1	301.7	276.8	261.6	248.2	237.3	238.4
42.5°	1188.6	1176.0	937.2	545.0	321.7	281.4	258.2	237.8	220.1	210.1	210.7
45°	1276.6	1248.3	937.0	507.3	294.4	262.9	238.4	209.4	193.0	183.7	183.2
47.5°	1369.9	1317.3	925.5	465.5	268.0	242.5	207.7	185.6	174.7	169.0	167.7
50°	1466.2	1381.9	905.9	417.6	241.0	219.2	188.6	173.4	165.1	159.8	157.9
52.5°	1556.8	1440.4	882.2	363.3	213.5	196.6	180.0	168.3	159.6	153.6	151.1
55°	1640.9	1490.9	848.8	307.6	191.1	181.5	176.0	166.2	156.2	149.1	146.4
57.5°	1715.7	1523.7	791.1	255.4	175.1	171.1	171.7	162.6	151.1	145.1	141.3
60°	1777.9	1547.8	705.6	207.1	162.1	160.9	165.1	155.7	142.3	135.5	132.5
62.5°	1815.2	1547.4	600.8	169.6	151.1	151.5	156.4	147.2	133.6	127.2	125.3
65°	1812.0	1509.5	485.8	145.1	140.4	140.8	147.2	137.8	126.3	122.5	122.3
67.5°	*1747.9*	*1417.0*	*372.6*	*129.1*	*128.7*	*130.6*	*138.1*	*131.5*	*121.9*	*121.4*	*122.1*
70°	1574.2	1225.0	268.4	116.3	116.5	119.3	129.1	127.4	119.5	120.4	120.2
72.5°	1262.3	934.0	180.2	102.9	103.1	107.6	120.6	124.2	117.2	128.5	130.2
75°	840.7	582.5	115.9	88.6	88.8	94.6	113.1	118.0	110.8	128.0	129.1
77.5°	403.9	261.8	83.9	74.6	74.6	79.9	97.8	105.7	94.4	99.5	91.2
80°	139.5	98.4	66.0	60.1	58.8	62.4	82.5	91.6	81.4	75.0	70.3
82.5°	55.0	51.1	53.0	46.7	42.4	44.7	64.1	75.6	59.9	54.1	53.9
85°	31.5	33.2	37.5	30.9	24.5	27.5	47.1	54.3	45.2	39.8	40.7
87.5°	8.5	11.7	17.3	16.0	11.1	11.7	22.4	30.0	26.0	20.0	20.7
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

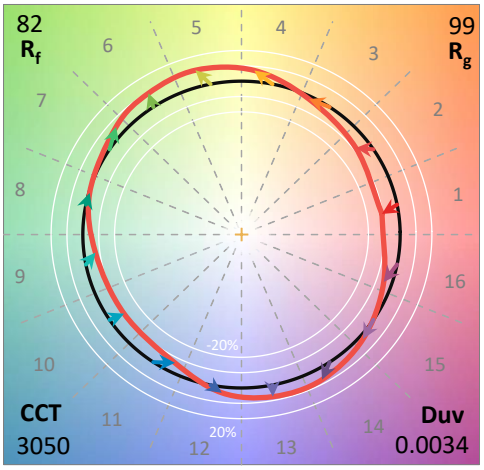
Test Information

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

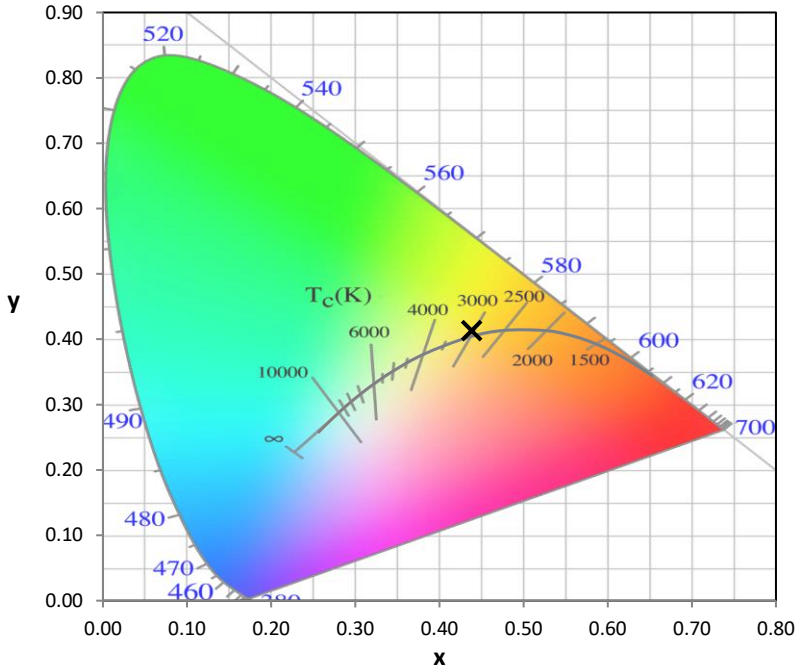
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

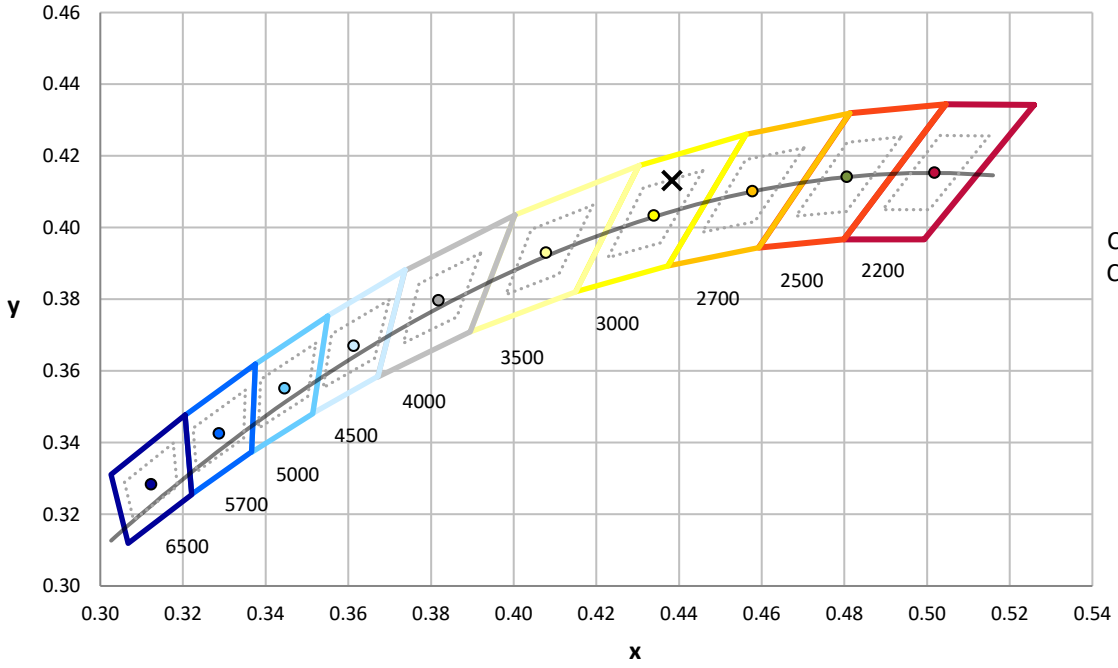
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

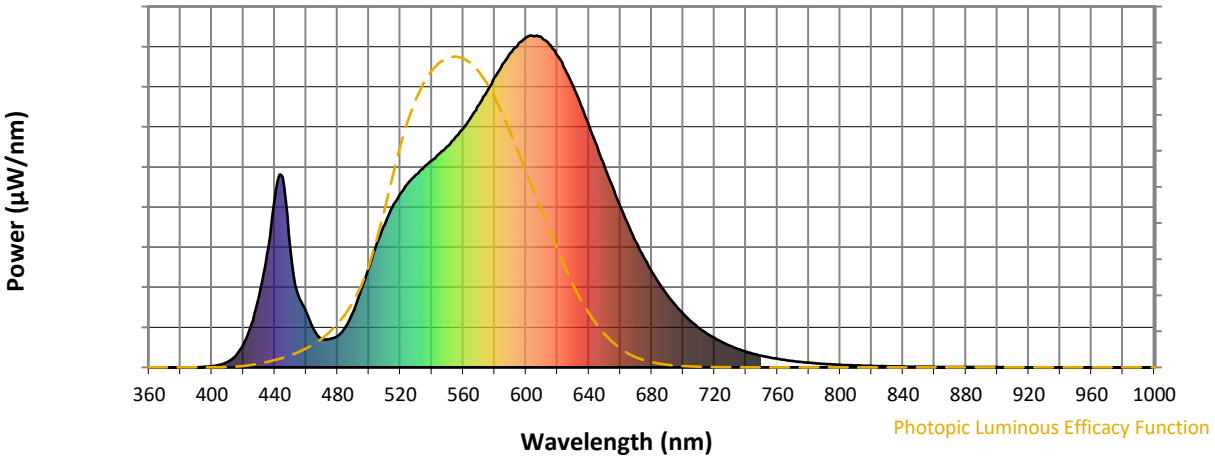


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

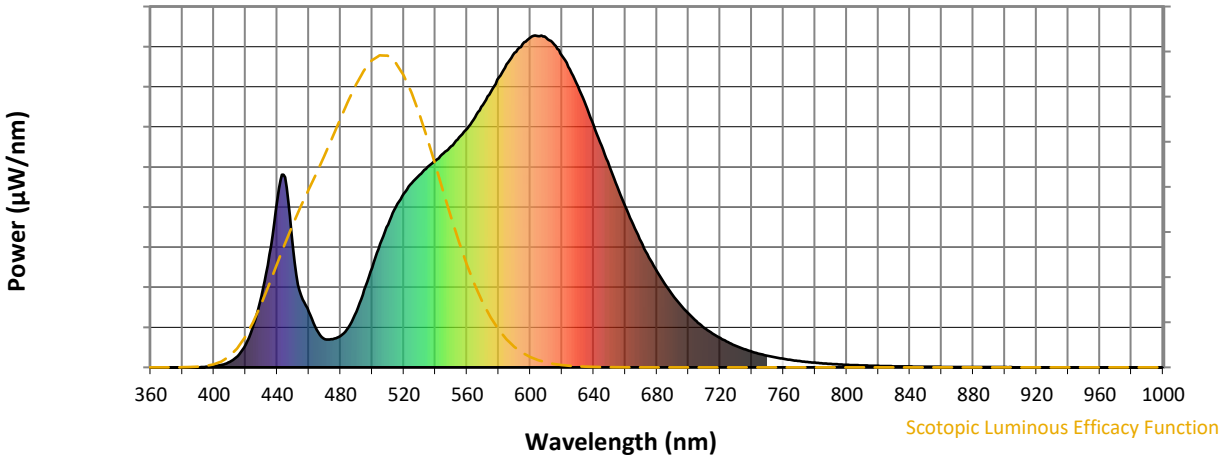


Photopic Lumens: NR

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

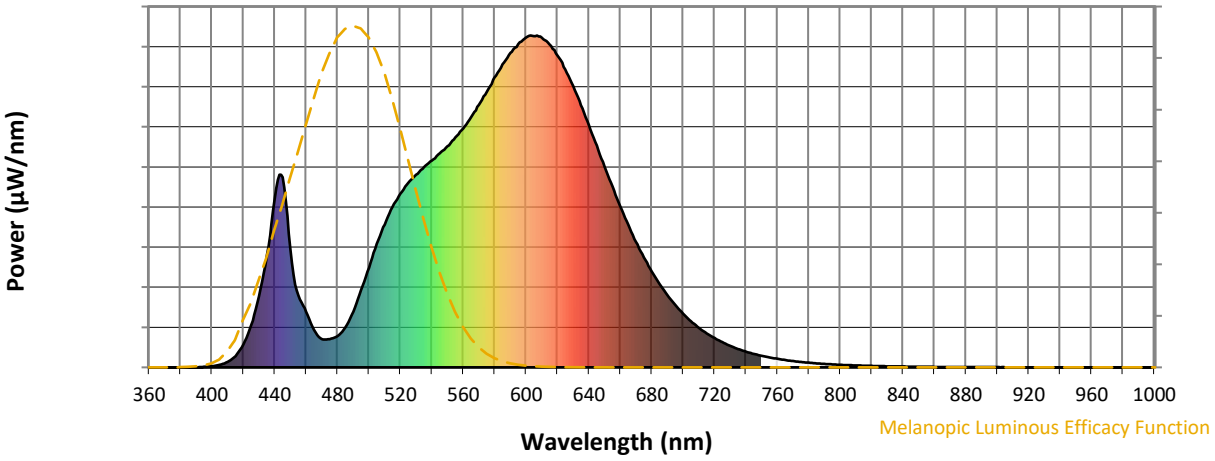


Scotopic Lumens: NR **S/P: 1.27**

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			

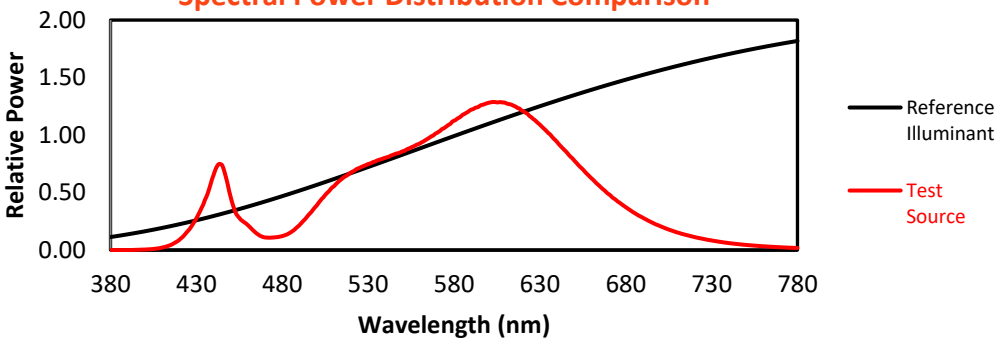
REPORT NUMBER: SP1-2408-195-9

TM-30-18

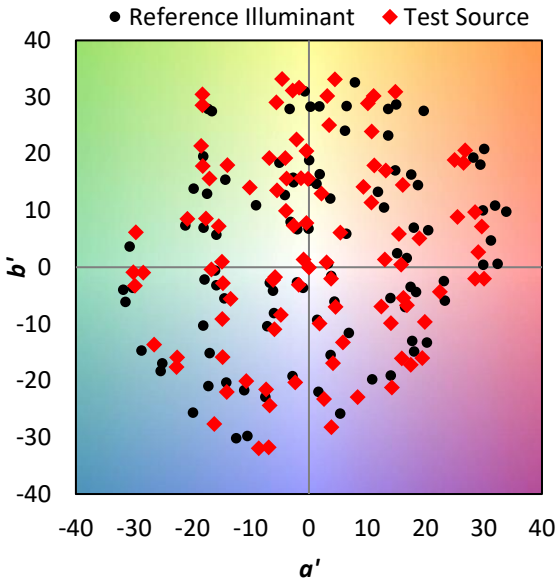
Summary

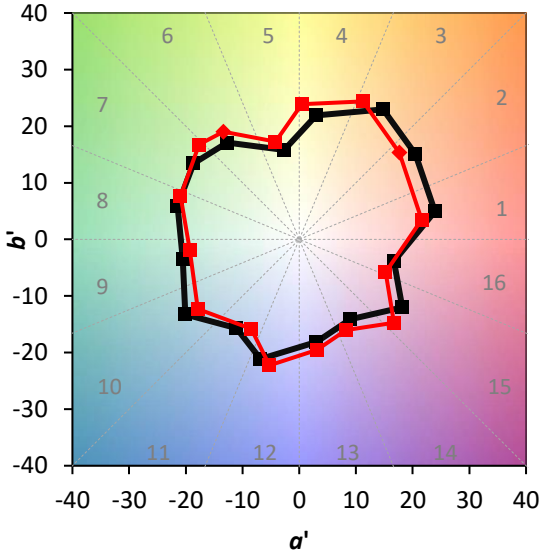
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

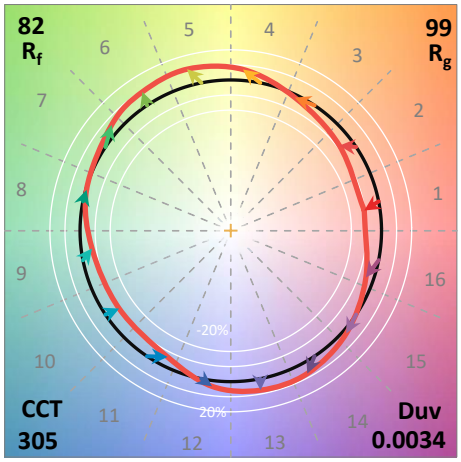
Spectral Power Distribution Comparison

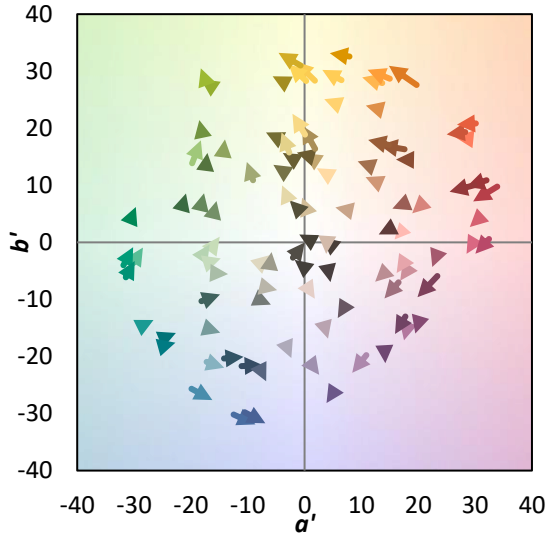


Color Vector Graphics







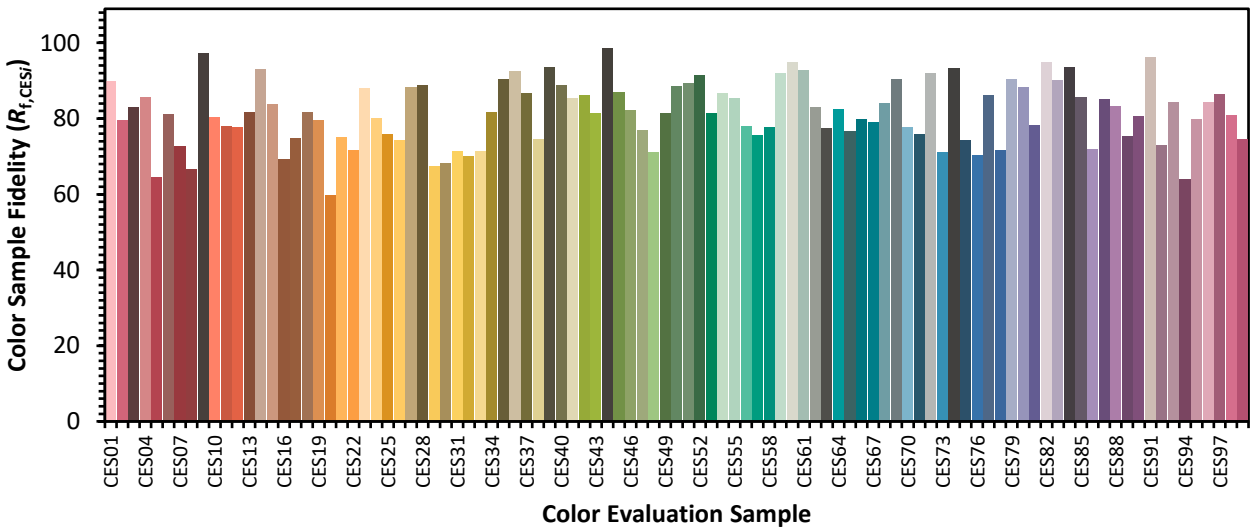


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

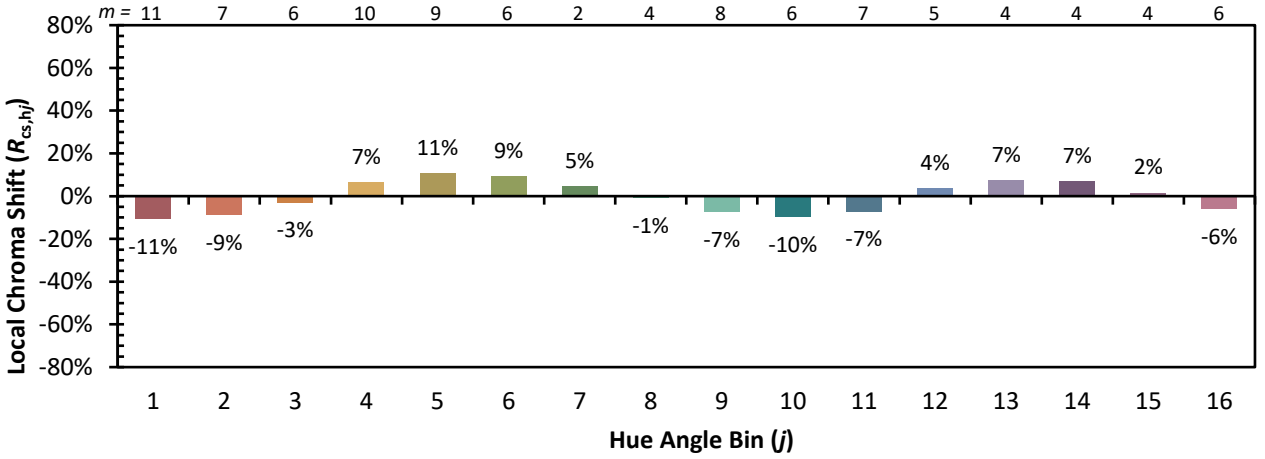
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

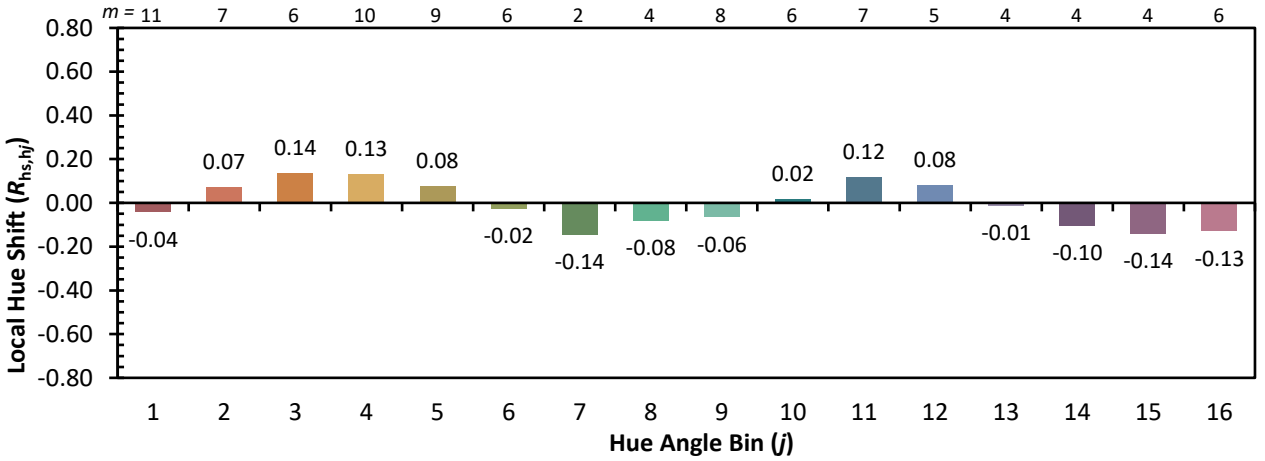


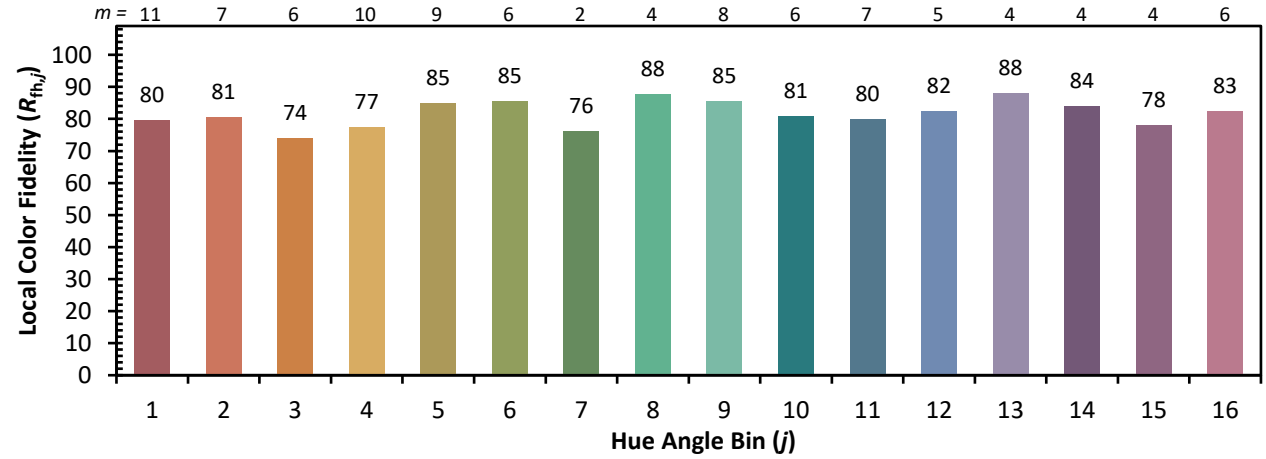
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



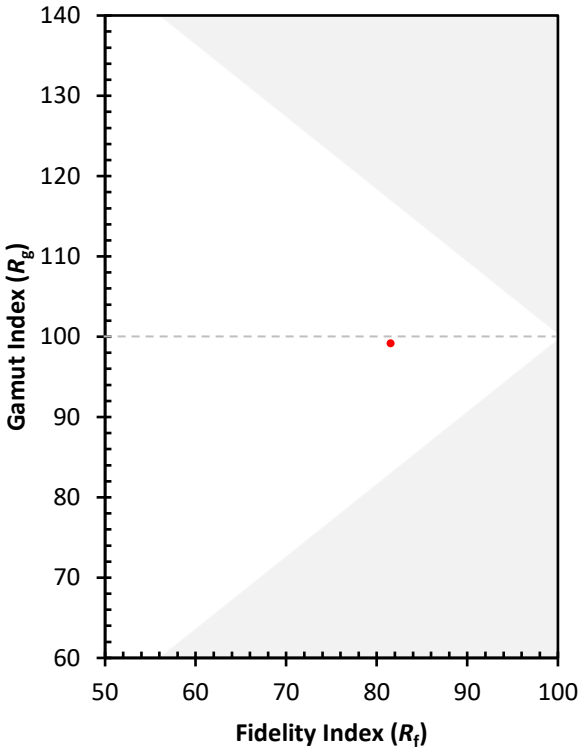


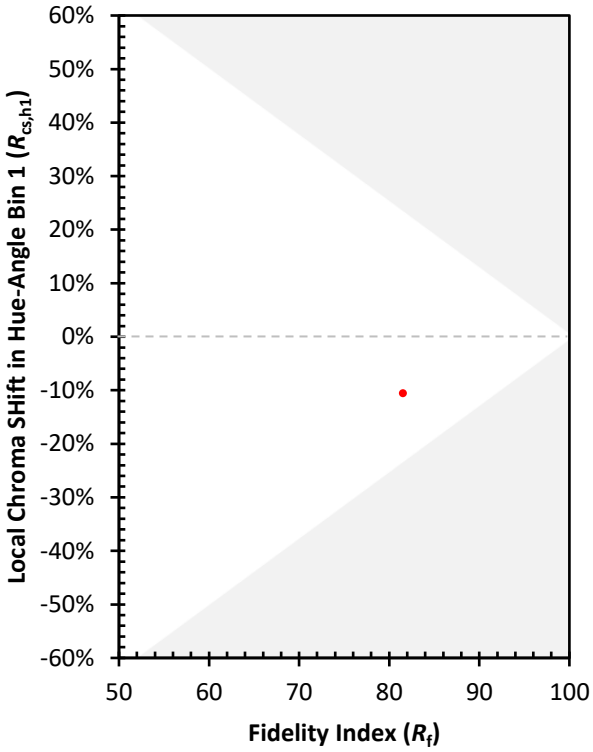


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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