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: P1203868

Luminaire Tested: GWC-SB2D-830-U-T3-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:	P1203868
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-830-U-T3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14338 lumens
Efficiency:	N/A
Efficacy:	97.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

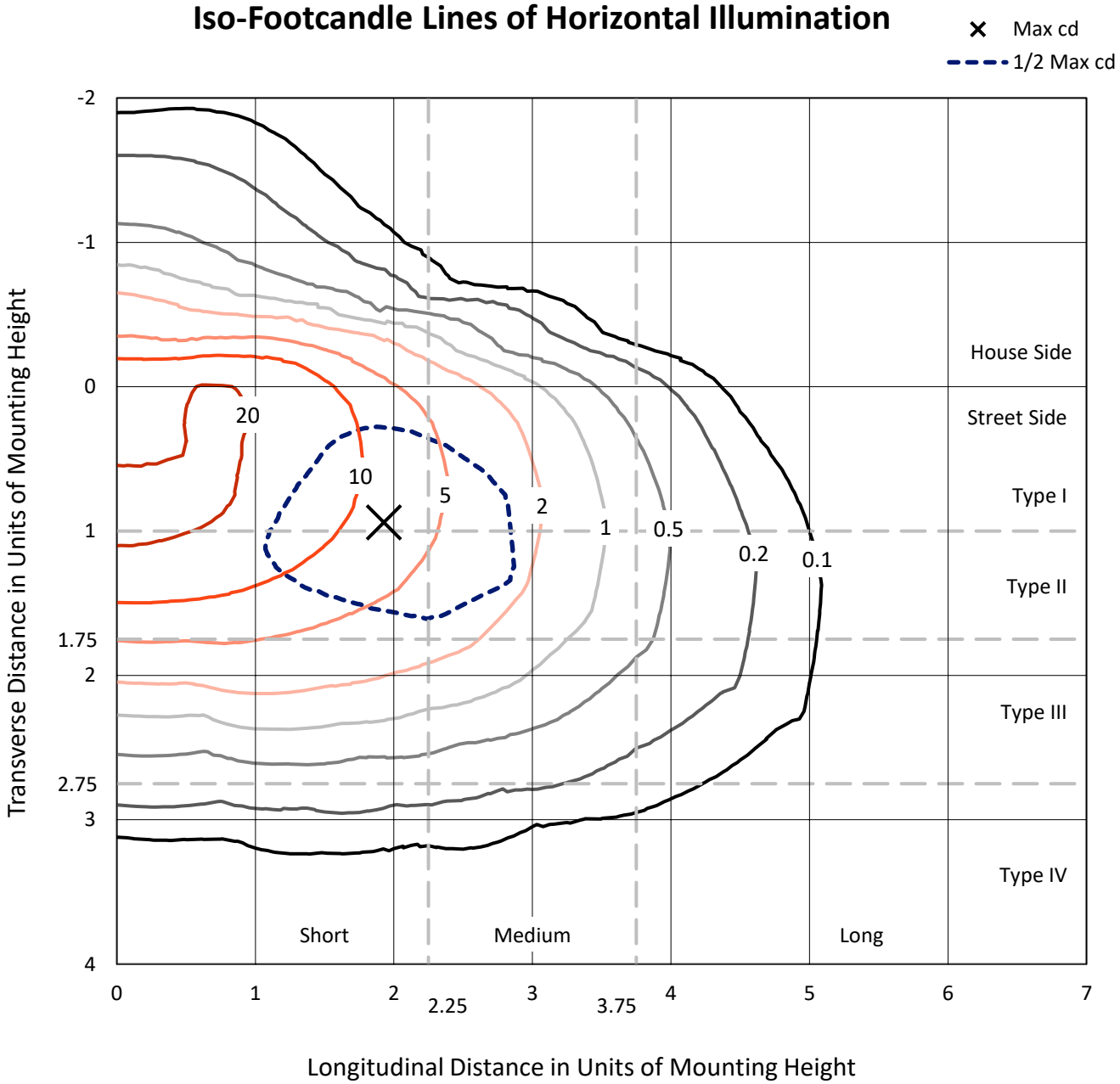


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Scaled Data Report

REPORT NUMBER: P1203868
CATALOG NUMBER: GWC-SB2D-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



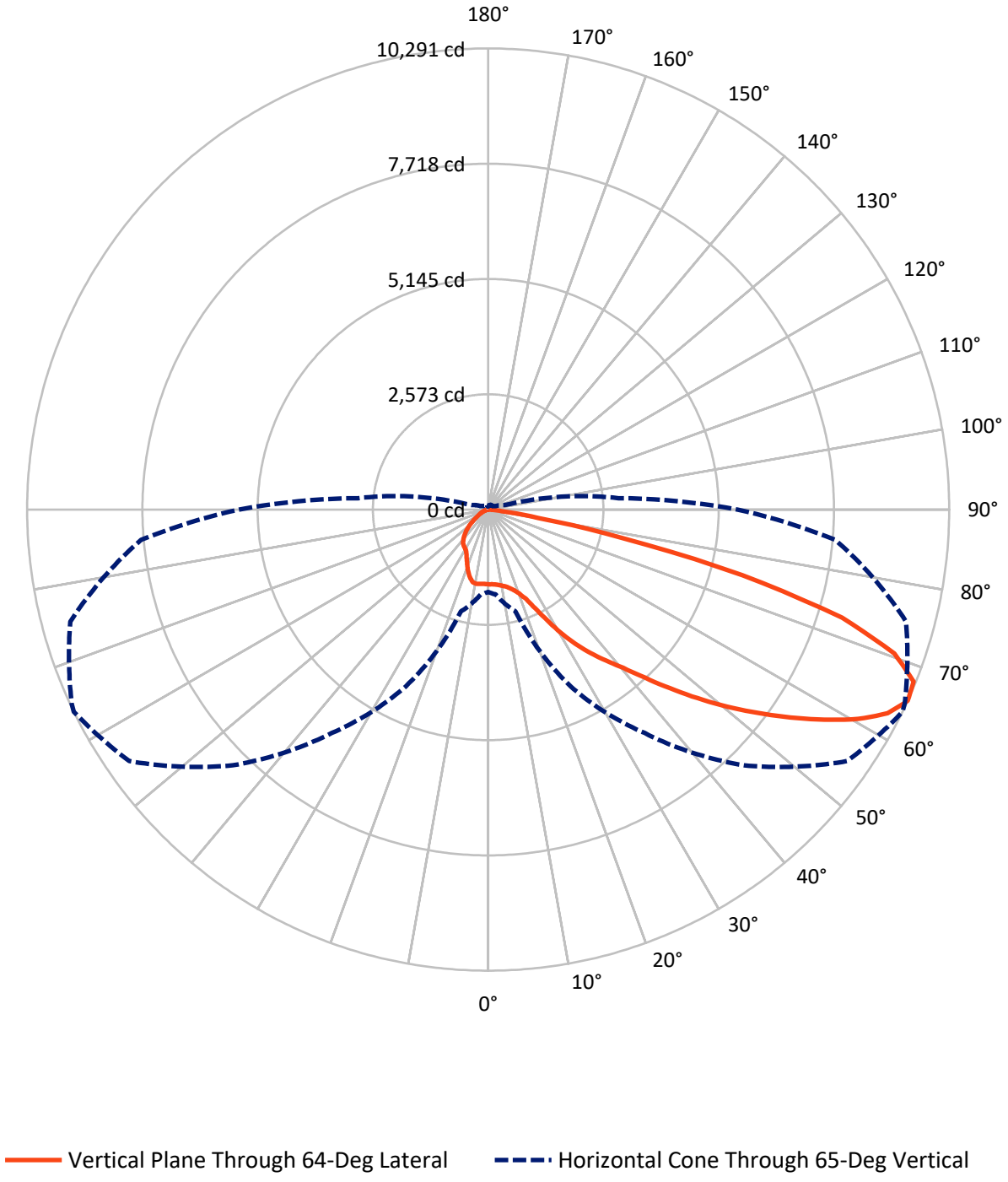
Based on 10 foot mounting height. Maximum calculated value = 30.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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Scaled Data Report

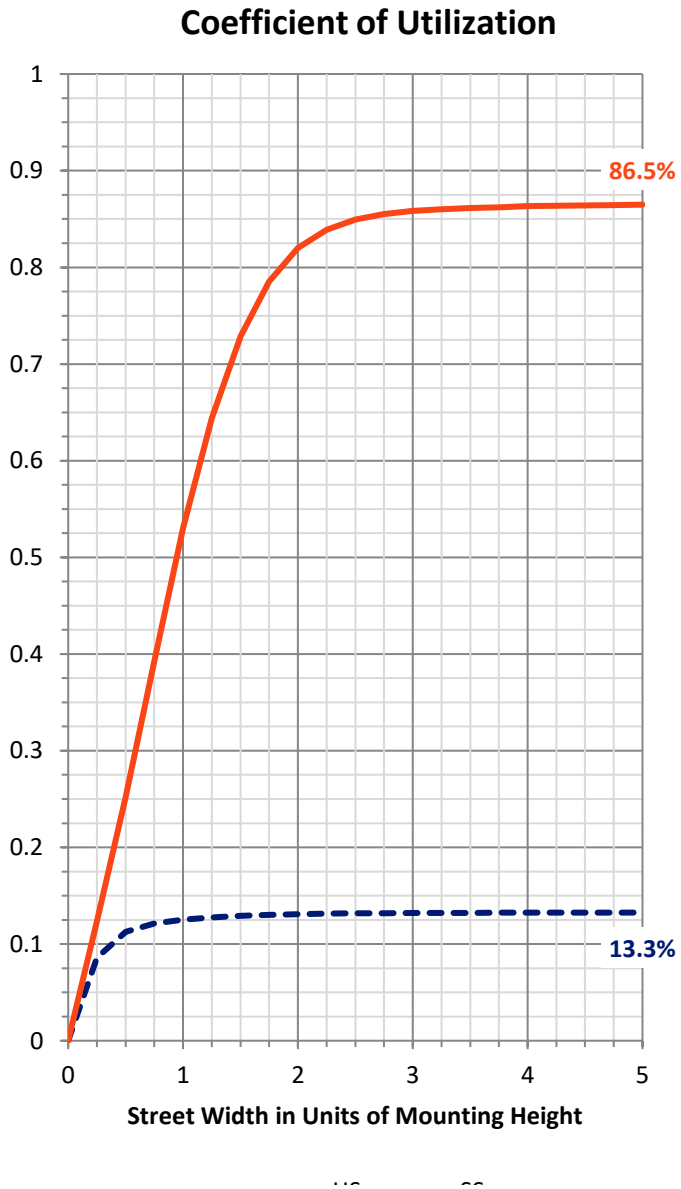
REPORT NUMBER: P1203868
CATALOG NUMBER: GWC-SB2D-830-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1917.4	0.0	1917.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12420.6	0.0	12420.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	14338.0	0.0	14338.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	1.1
10°-20°	417.3	2.9
20°-30°	790.8	5.5
30°-40°	1600.1	11.2
40°-50°	2725.8	19.0
50°-60°	3706.9	25.9
60°-70°	3481.0	24.3
70°-80°	1394.6	9.7
80°-90°	67.6	0.5
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°	14338.0	100.0
0°-180°	14338.0	100.0



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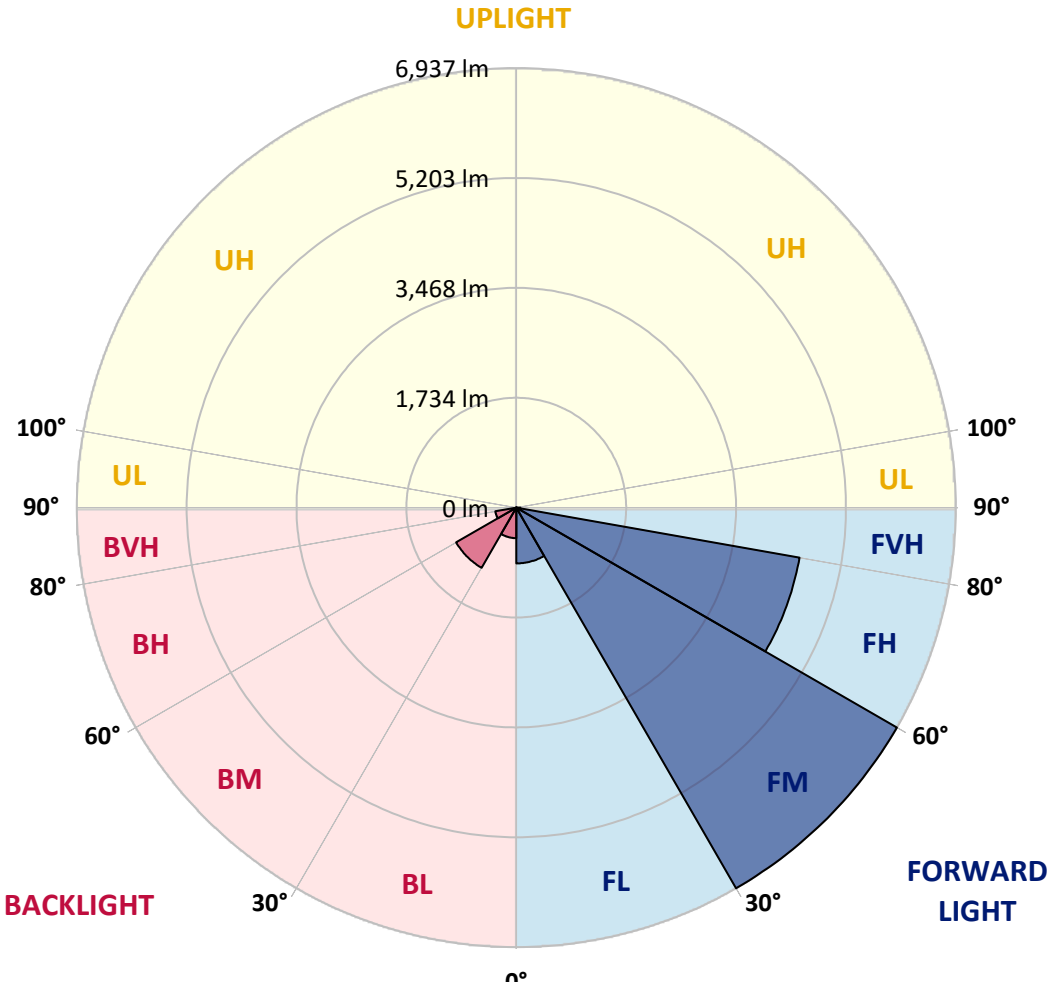
Scaled Data Report

REPORT NUMBER: P1203868
CATALOG NUMBER: GWC-SB2D-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	880.5	6.1			
FM	(30°-60°)	6936.7	48.4			
FH	(60°-80°)	4539.1	31.7			G2/5000
FVH	(80°-90°)	64.3	0.4			G1/100
BL	(0°-30°)	481.4	3.4	B1/500		
BM	(30°-60°)	1096.2	7.6	B2/2500		
BH	(60°-80°)	336.5	2.3	B1/500		G1/500
BVH	(80°-90°)	3.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type III Short



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REPORT NUMBER: P1203868
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7	*1667.7*	1667.7	1667.7	1667.7
2.5°	1661.9	1673.4	1670.5	1667.7	1666.7	1668.6	1669.6	*1668.6*	1668.6	1668.6	1669.6
5°	1630.2	1639.8	1639.8	1646.5	1656.1	1667.7	1676.3	*1678.2*	1680.2	1683.0	1682.1
7.5°	1569.6	1577.3	1583.1	1605.2	1629.2	1660.0	1685.9	*1699.4*	1701.3	1711.9	1715.7
10°	1528.3	1537.9	1547.5	1570.6	1605.2	1651.3	1695.5	*1728.2*	1733.0	1758.0	1769.5
12.5°	1526.4	1536.0	1548.5	1573.5	1613.8	1662.9	1716.7	*1763.8*	1772.4	1809.0	1833.0
15°	1546.5	1558.1	1569.6	1600.4	1643.6	1703.2	1760.9	*1819.5*	1828.2	1880.1	1906.0
17.5°	1587.9	1603.3	1611.9	1642.7	1688.8	1755.1	1831.1	*1898.3*	1906.0	1966.6	1999.3
20°	1669.6	1687.8	1690.7	1715.7	1760.9	1832.0	1922.4	*2006.0*	2015.6	2084.8	2121.3
22.5°	1838.7	1864.7	1841.6	1854.1	1894.5	1965.6	2063.7	*2169.4*	2182.9	2261.7	2294.4
25°	2136.7	2173.2	2113.6	2092.5	2109.8	2183.8	2306.8	*2440.5*	2455.8	2519.3	2535.6
27.5°	2722.1	2675.0	2584.6	2496.2	2444.3	2486.6	2625.0	*2790.3*	2809.5	2871.1	2851.8
30°	3365.1	3323.8	3201.7	3005.6	2882.6	2875.9	3003.7	*3188.3*	3210.4	3269.0	3210.4
32.5°	4009.1	3969.7	3837.1	3595.8	3382.4	3276.7	3365.1	*3569.8*	3581.4	3618.9	3532.4
35°	4642.5	4602.2	4469.5	4222.5	3960.1	3719.8	3702.5	*3933.2*	3937.0	3976.4	3847.6
37.5°	5279.8	5246.2	5104.9	4862.6	4604.1	4272.5	4112.0	*4277.3*	4282.1	4320.5	4186.9
40°	5734.4	5748.9	5651.8	5464.3	5242.3	4879.9	4571.4	*4643.5*	4614.7	4679.1	4599.3
42.5°	6124.7	6153.5	6068.9	5974.7	5845.9	5526.8	5140.4	*5127.9*	5081.8	5116.4	5033.7
45°	6462.1	6486.1	6410.2	6388.0	6385.2	6161.2	5762.3	*5687.3*	5622.9	5616.2	5517.2
47.5°	6586.0	6632.2	6664.9	6738.9	6883.1	6788.9	6405.3	*6289.0*	6217.0	6164.1	6007.4
50°	6633.1	6682.2	6793.7	7009.0	7350.2	7390.6	7045.5	*6914.8*	6826.3	6730.2	6499.5
52.5°	6569.7	6657.2	6807.1	7169.5	7664.5	7873.1	7659.7	*7545.3*	7444.4	7287.7	6945.5
55°	6195.8	6283.3	6589.9	7167.6	7821.2	8211.4	8240.3	*8189.3*	8075.9	7828.9	7306.0
57.5°	5407.6	5537.4	6022.8	6923.4	7818.3	8502.7	8809.3	*8845.8*	8718.9	8365.2	7589.5
60°	4315.7	4491.6	5083.7	6382.3	7577.0	8660.3	9308.1	*9490.8*	9356.2	8893.9	7819.3
62.5°	3011.4	3215.2	3775.5	5534.5	7025.3	8546.9	9672.4	*10009.8*	9907.9	9366.8	7907.7
65°	*1836.8*	*1902.2*	*2353.9*	*4355.1*	*6087.2*	*8072.0*	*9784.9*	*10290.5*	*10256.8*	*9656.1*	*7777.0*
67.5°	1223.6	1278.4	1408.1	2986.4	4725.2	7123.4	9515.7	*10241.4*	10251.1	9609.0	7298.3
70°	737.2	784.3	868.9	1736.9	3062.3	5638.3	8682.4	*9616.7*	9672.4	8979.4	6390.9
72.5°	303.7	335.5	412.3	787.2	1586.0	3578.5	6913.8	*8256.6*	8386.4	7550.1	4904.9
75°	172.1	188.4	242.2	395.0	688.2	1667.7	4187.9	*5861.3*	6052.6	5203.9	2950.8
77.5°	114.4	122.1	156.7	255.7	387.4	569.0	1789.7	*3053.7*	3418.9	2842.2	1277.4
80°	76.9	83.6	107.7	171.1	251.8	244.1	570.0	*1131.3*	1391.8	976.6	311.4
82.5°	51.9	52.9	76.9	112.5	159.6	118.2	168.2	*351.8*	442.1	282.6	118.2
85°	29.8	28.8	56.7	65.4	71.1	49.0	50.9	*105.7*	138.4	119.2	67.3
87.5°	3.8	5.8	22.1	17.3	9.6	10.6	10.6	*18.3*	26.9	28.8	14.4
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: P1203868
CATALOG NUMBER: GWC-SB2D-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7	1667.7
2.5°	1669.6	1668.6	1665.7	1662.9	1656.1	1652.3	1654.2	1652.3	1651.3	1652.3	1656.1
5°	1682.1	1679.2	1671.5	1661.9	1648.4	1632.1	1621.5	1606.1	1591.7	1583.1	1585.0
7.5°	1715.7	1712.8	1702.3	1675.3	1632.1	1563.9	1501.4	1446.6	1405.3	1381.2	1382.2
10°	1769.5	1764.7	1748.4	1688.8	1575.4	1426.4	1302.4	1199.6	1132.3	1100.6	1097.7
12.5°	1833.0	1827.2	1798.4	1676.3	1467.7	1235.1	1064.0	949.7	887.2	859.3	856.4
15°	1908.0	1900.3	1843.6	1616.7	1311.1	1023.7	867.0	781.4	741.1	716.1	717.0
17.5°	2001.2	1987.7	1877.2	1527.3	1140.9	862.2	745.9	681.5	645.9	621.9	620.0
20°	2122.3	2100.2	1904.1	1420.6	984.3	760.3	664.2	610.4	583.4	562.3	558.4
22.5°	2291.5	2259.7	1936.8	1305.3	873.7	690.1	603.6	564.2	542.1	518.1	514.2
25°	2501.0	2463.5	1977.2	1198.6	797.8	629.6	559.4	526.7	500.8	472.9	470.0
27.5°	2794.2	2726.9	2025.2	1111.1	732.4	577.7	519.0	482.5	452.7	429.7	424.8
30°	3121.0	3010.4	2067.5	1058.3	672.8	529.6	466.2	429.7	401.8	385.4	382.6
32.5°	3430.5	3280.5	2095.4	1035.2	619.0	474.8	408.5	369.1	347.9	343.1	346.0
35°	3722.7	3524.7	2092.5	1013.1	570.9	420.0	351.8	311.4	295.1	298.0	298.0
37.5°	4059.1	3785.2	2072.3	978.5	531.5	370.1	302.8	267.2	252.8	253.8	257.6
40°	4450.3	4086.0	2059.8	913.1	488.3	323.9	262.4	233.6	223.0	219.2	218.2
42.5°	4867.4	4377.2	2061.7	839.1	434.5	282.6	234.5	210.5	200.9	198.0	197.0
45°	5286.5	4655.0	2064.6	762.2	377.7	250.9	214.3	194.2	188.4	184.5	184.5
47.5°	5680.6	4891.5	2010.8	679.6	322.0	226.8	198.0	184.5	179.7	174.9	174.9
50°	6047.8	5049.1	1881.0	583.4	277.8	207.6	185.5	175.9	171.1	166.3	166.3
52.5°	6333.3	5074.1	1666.7	484.4	247.0	193.2	177.8	169.2	163.4	158.6	157.6
55°	6460.1	4917.4	1362.0	392.2	223.0	180.7	170.1	161.5	154.8	149.9	149.0
57.5°	6427.5	4587.7	1062.1	315.3	199.9	168.2	160.5	154.8	147.1	139.4	138.4
60°	6266.9	4146.6	800.7	262.4	178.8	154.8	149.9	145.1	134.6	123.0	121.1
62.5°	5989.2	3592.0	570.9	217.2	155.7	139.4	137.4	133.6	118.2	97.1	95.2
65°	*5564.3*	*2918.2*	*384.5*	*180.7*	*133.6*	*122.1*	*123.0*	*116.3*	*96.1*	*72.1*	*70.2*
67.5°	4943.4	2133.8	246.1	148.0	111.5	101.9	102.8	99.0	81.7	61.5	58.6
70°	4152.3	1412.9	160.5	112.5	89.4	78.8	84.6	85.5	69.2	50.0	48.1
72.5°	3044.1	834.3	112.5	83.6	65.4	54.8	69.2	71.1	55.7	37.5	35.6
75°	1734.9	396.0	84.6	60.6	40.4	38.4	53.8	53.8	38.4	25.0	23.1
77.5°	728.6	165.3	59.6	39.4	23.1	22.1	36.5	33.6	19.2	11.5	11.5
80°	210.5	74.0	31.7	19.2	9.6	8.7	14.4	10.6	4.8	1.9	1.9
82.5°	82.7	32.7	12.5	7.7	3.8	3.8	1.9	0.0	0.0	0.0	0.0
85°	49.0	13.5	5.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.5	2.9	1.9	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

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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

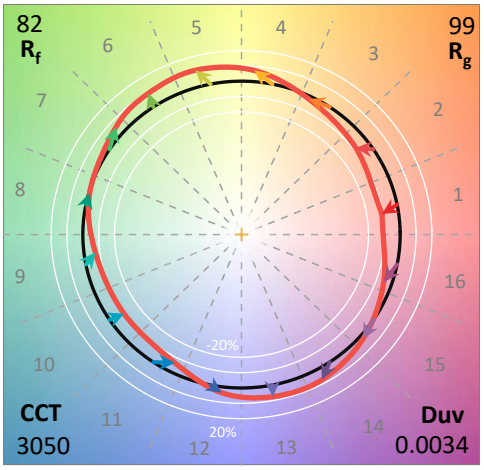
Test Information

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

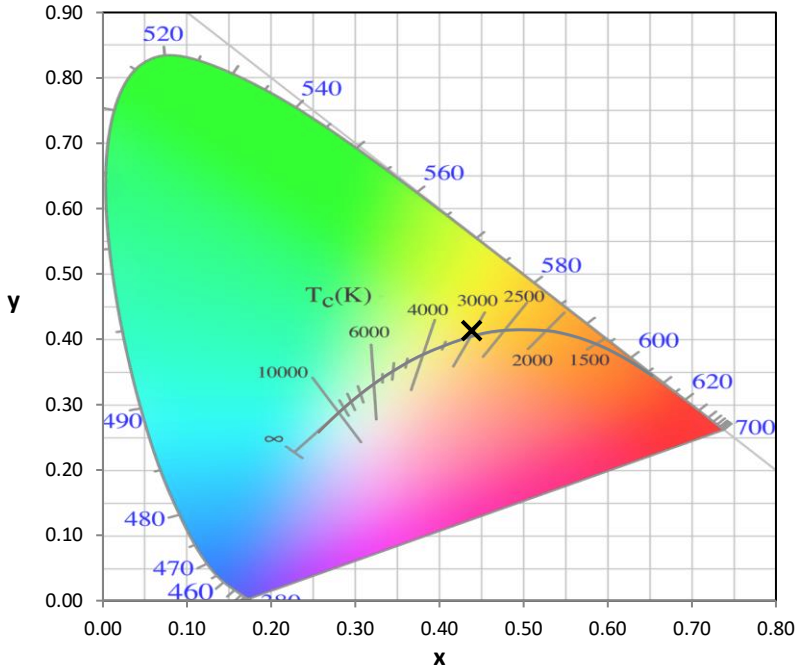
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

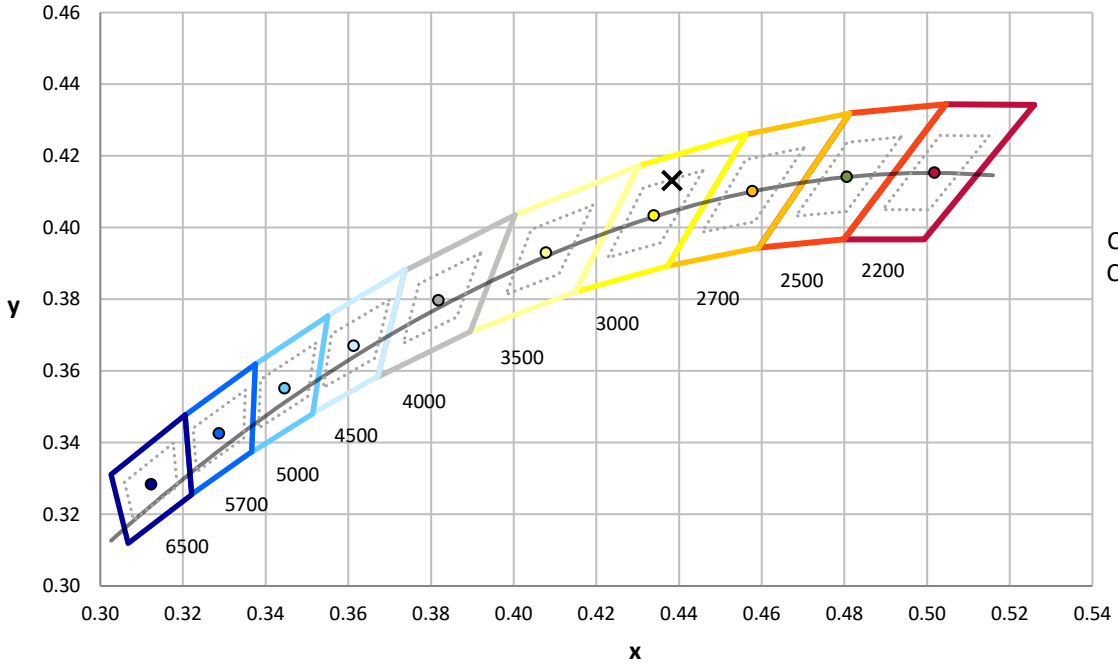
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

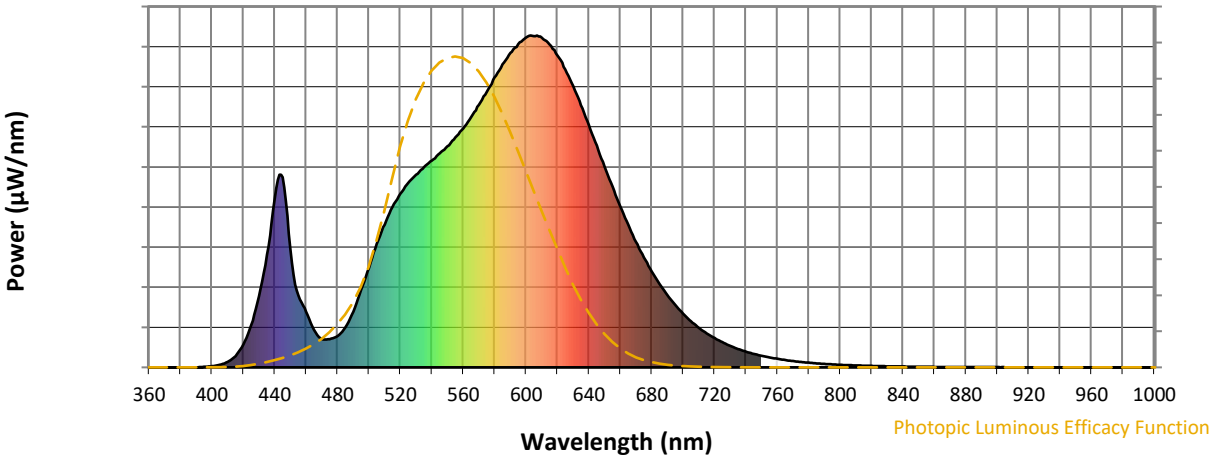


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

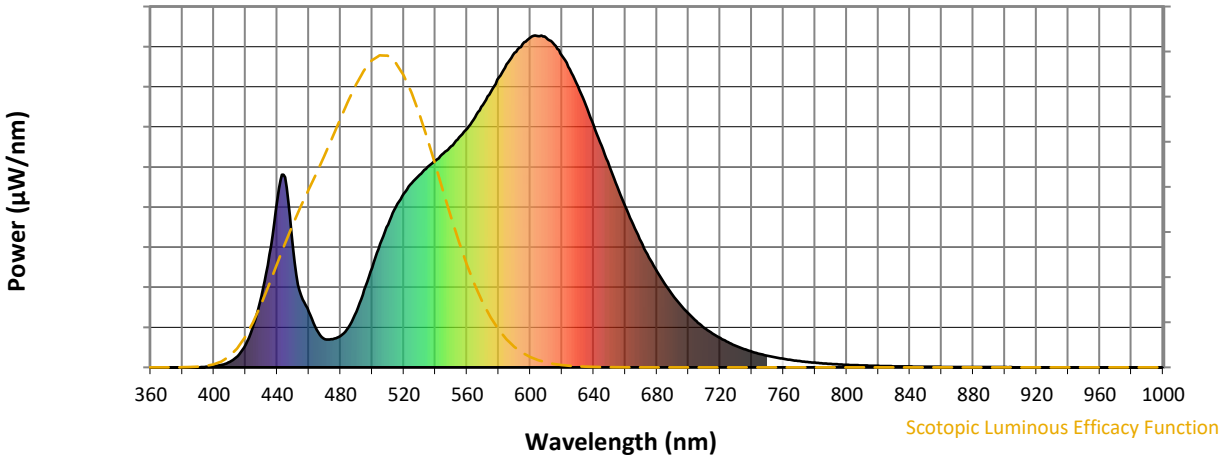


Photopic Lumens: NR

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

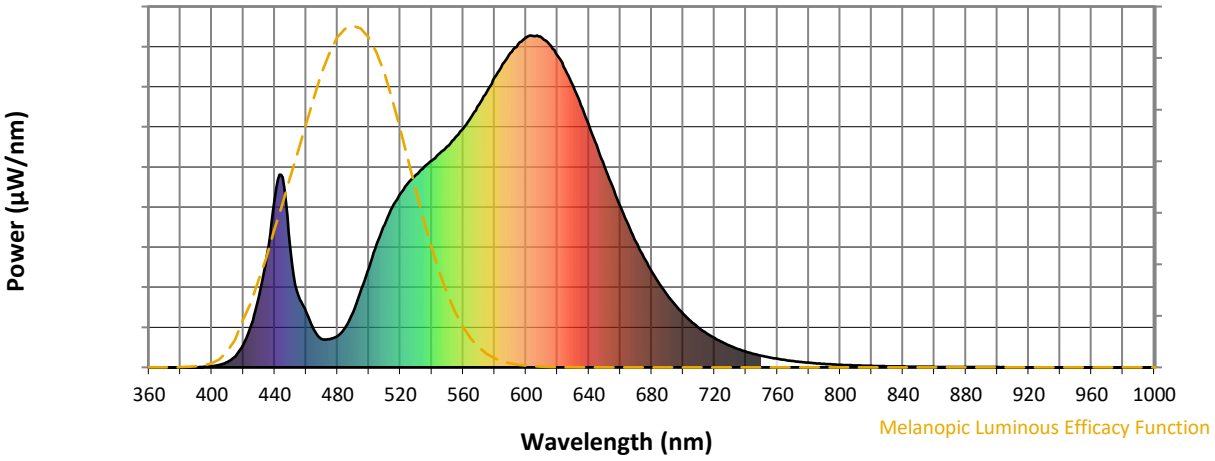


Scotopic Lumens: NR **S/P: 1.27**

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			

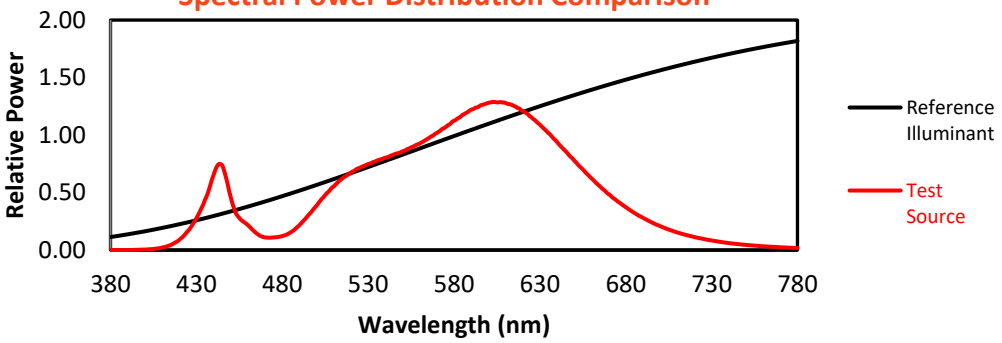
REPORT NUMBER: SP1-2408-195-9

TM-30-18

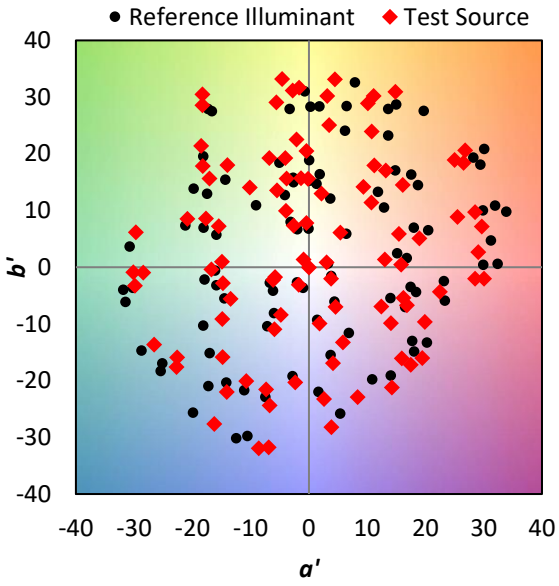
Summary

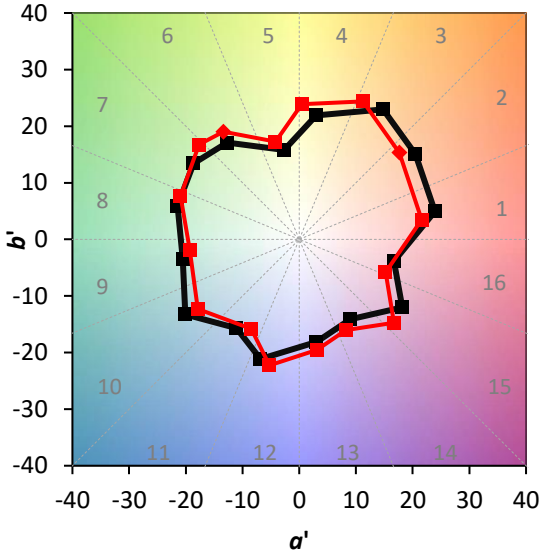
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

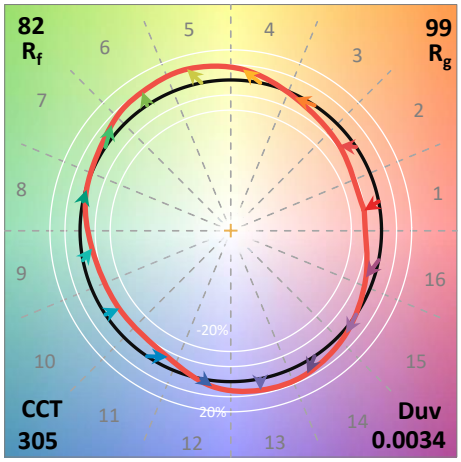
Spectral Power Distribution Comparison

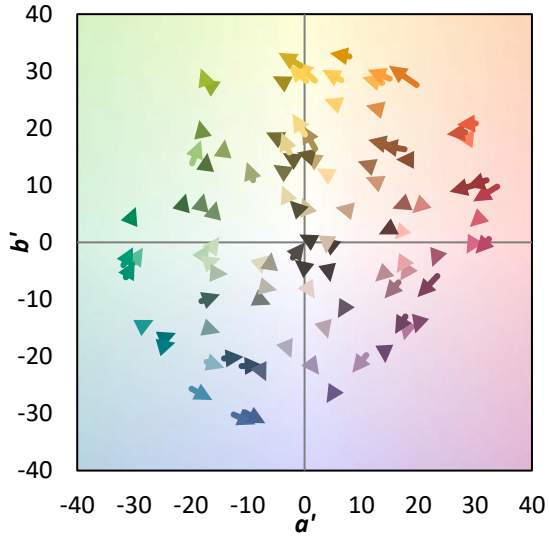


Color Vector Graphics







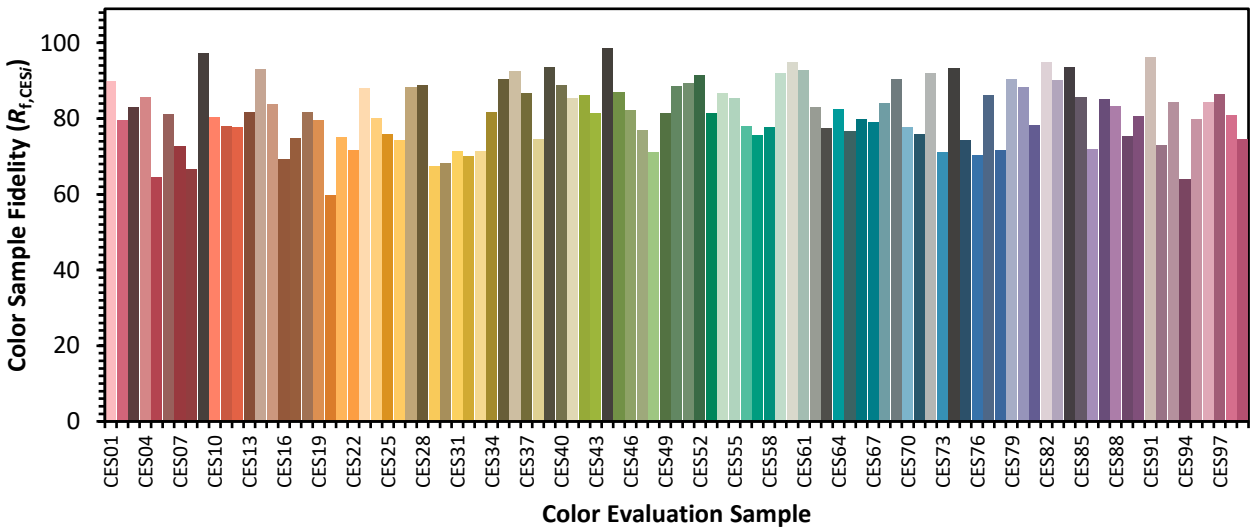


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

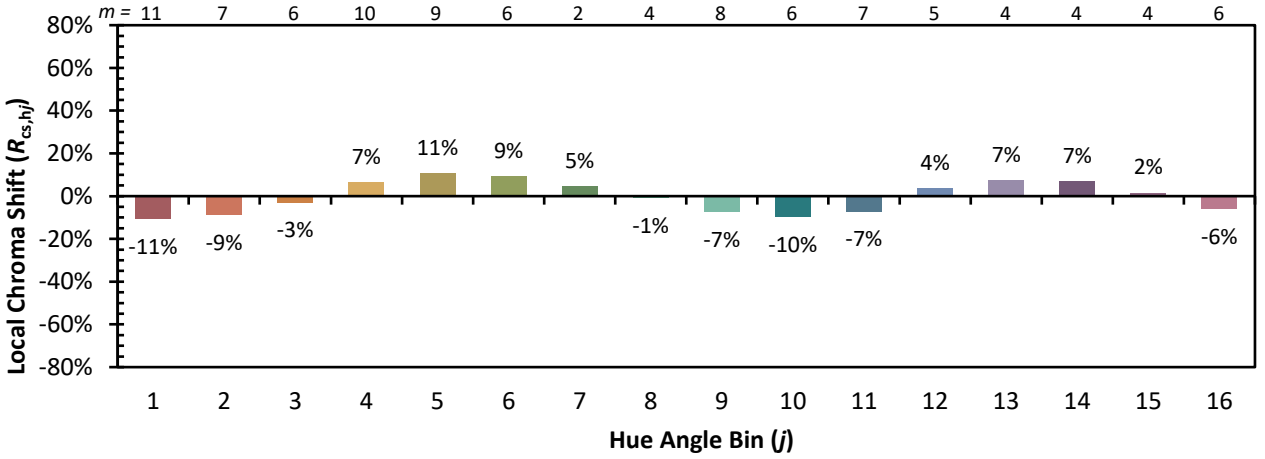
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CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57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

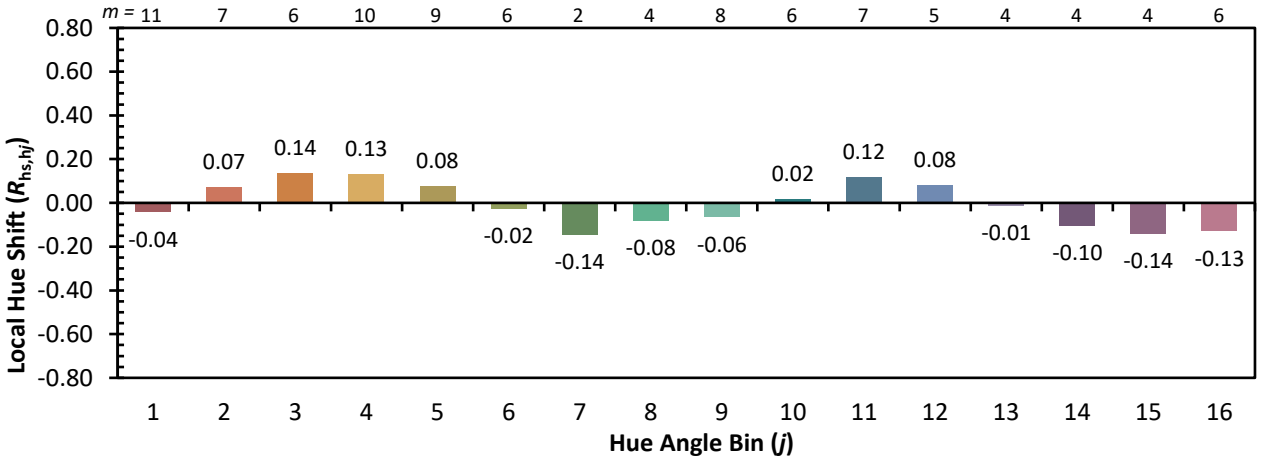


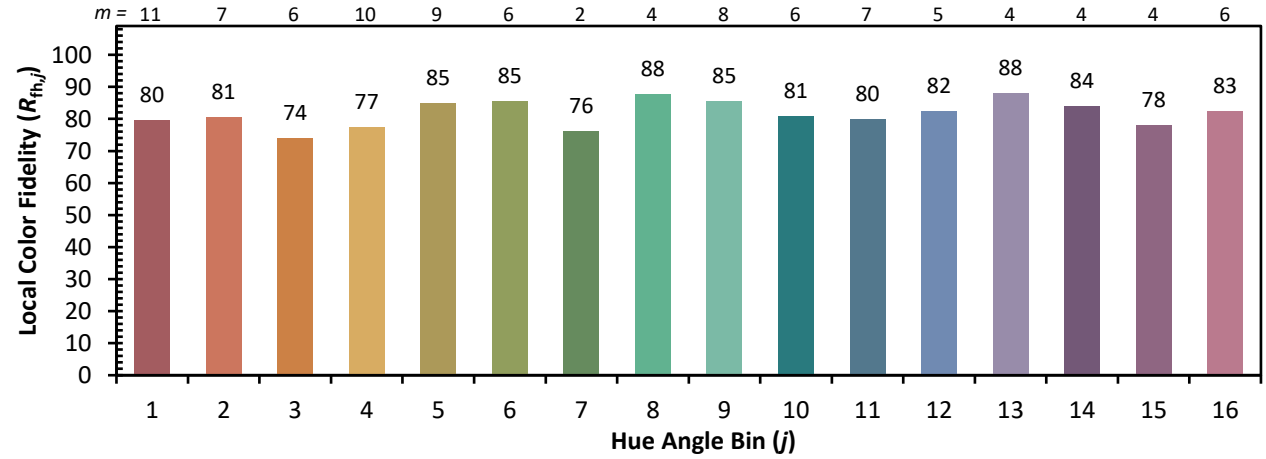
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



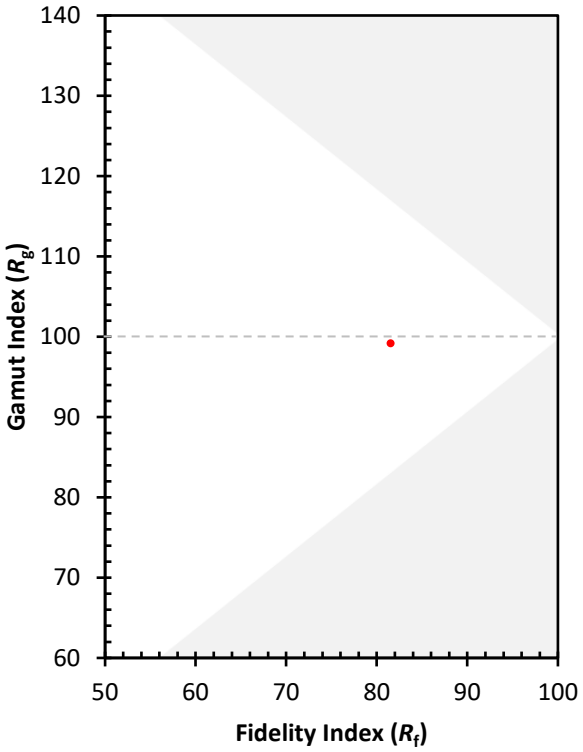


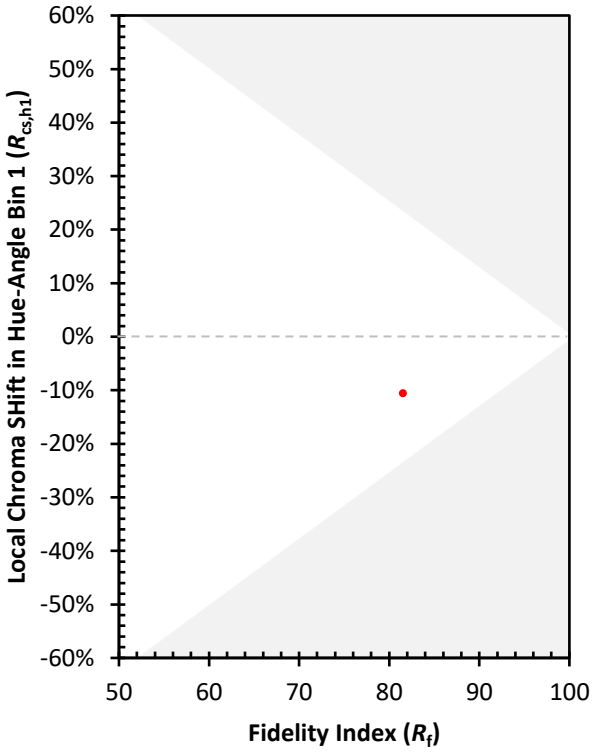


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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