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: P1203860

Luminaire Tested: GWC-SB2D-830-U-SL4-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:	P1203860
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-830-U-SL4-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12761 lumens
Efficiency:	N/A
Efficacy:	86.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

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

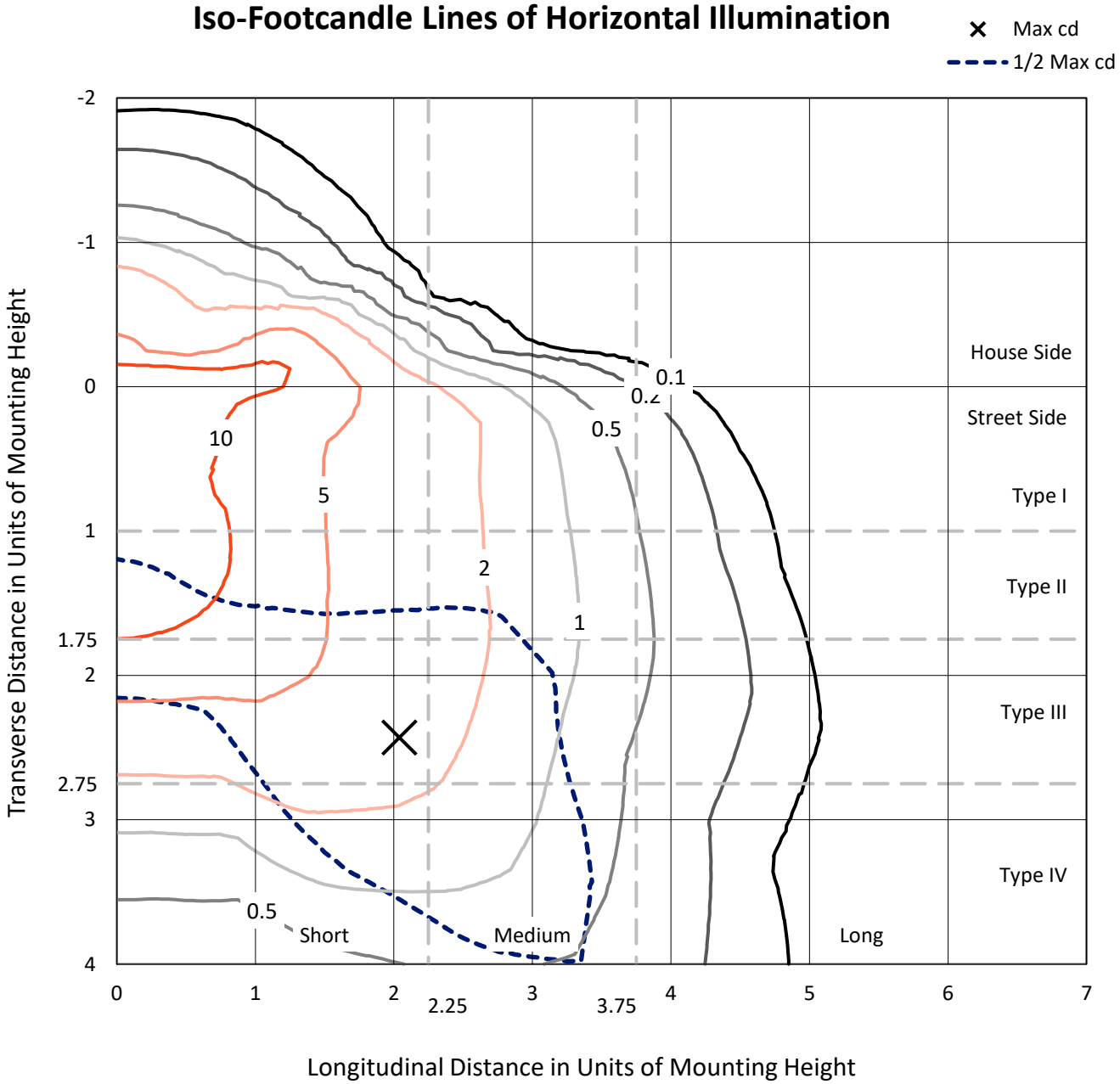


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REPORT NUMBER: P1203860
CATALOG NUMBER: GWC-SB2D-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



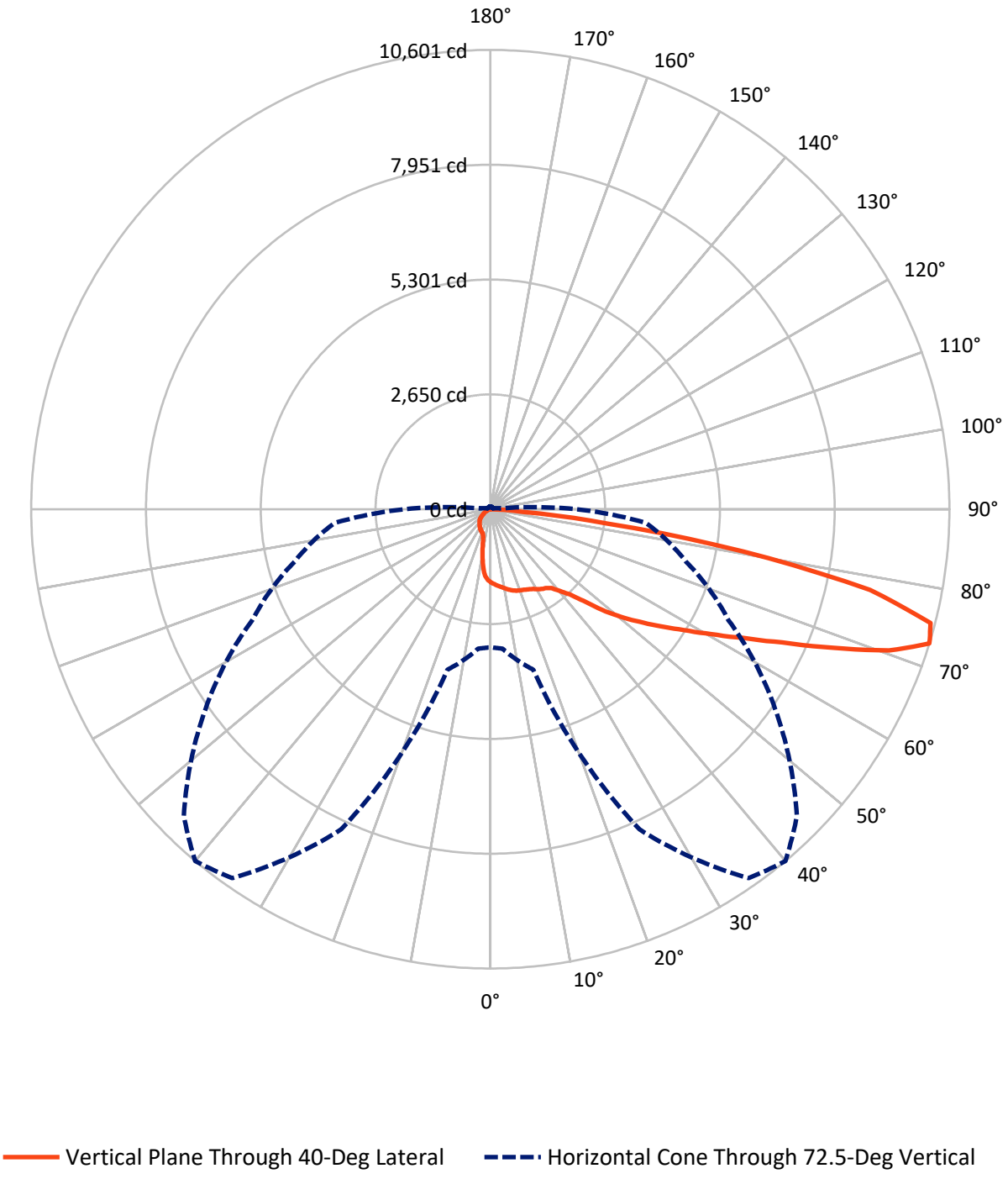
Based on 10 foot mounting height. Maximum calculated value = 32.8 fc
Type IV - Short - N/A

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REPORT NUMBER: P1203860
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Luminous Intensity Polar Plot



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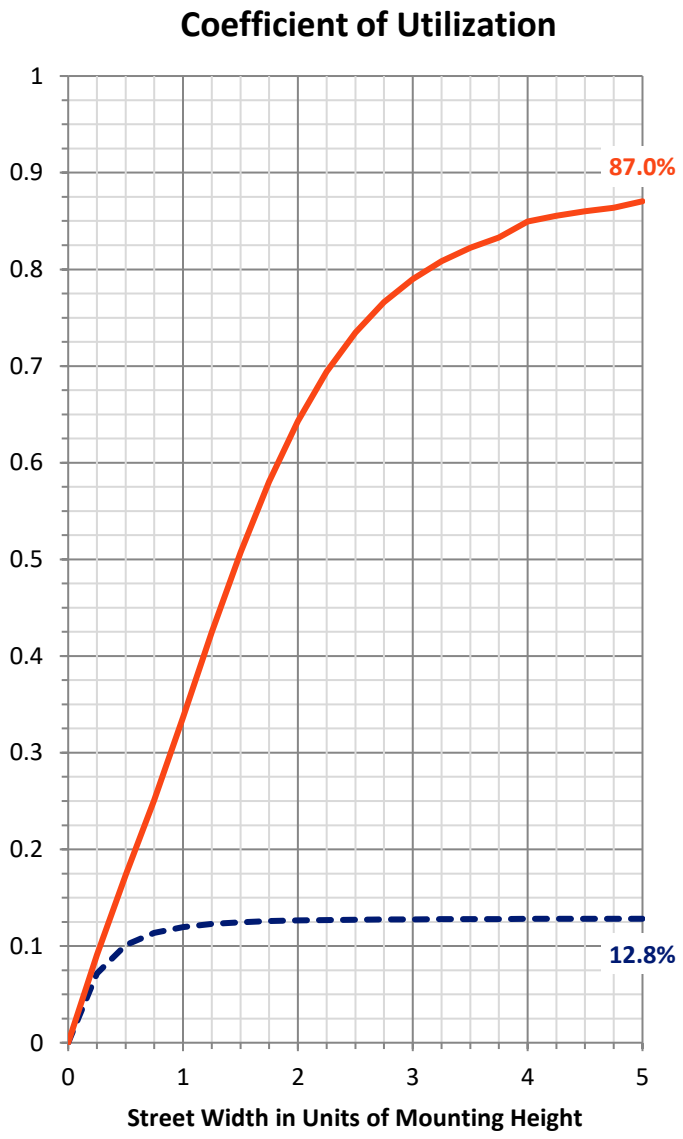
REPORT NUMBER: P1203860
CATALOG NUMBER: GWC-SB2D-830-U-SL4-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1647.9	0.0	1647.9
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	11113.1	0.0	11113.1
	% Fixture	87.1	0.0	87.1
Total	Lumens	12761.0	0.0	12761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.3	1.2
10°-20°	419.1	3.3
20°-30°	678.1	5.3
30°-40°	1001.1	7.8
40°-50°	1684.8	13.2
50°-60°	2616.1	20.5
60°-70°	3273.5	25.7
70°-80°	2680.0	21.0
80°-90°	254.1	2.0
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°	12761.0	100.0
0°-180°	12761.0	100.0



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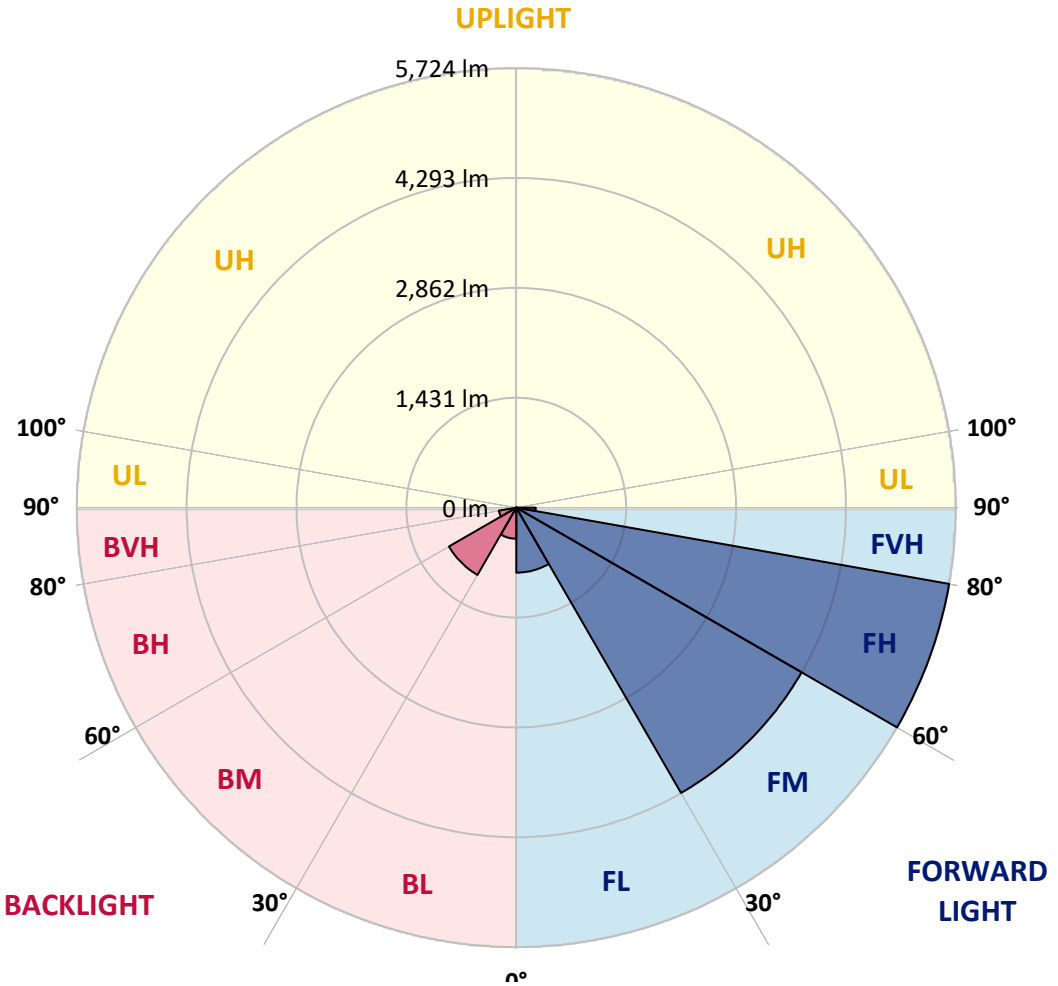
Scaled Data Report

REPORT NUMBER: P1203860
CATALOG NUMBER: GWC-SB2D-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	847.0	6.6			
FM	(30°-60°)	4290.0	33.6			
FH	(60°-80°)	5723.9	44.9			G3/7500
FVH	(80°-90°)	252.2	2.0			G3/500
BL	(0°-30°)	404.5	3.2	B1/500		
BM	(30°-60°)	1011.9	7.9	B2/2500		
BH	(60°-80°)	229.6	1.8	B1/500		G1/500
BVH	(80°-90°)	1.9	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-G3
Type IV Short



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REPORT NUMBER: P1203860
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1689.7	1689.7	1689.7	1689.7	1689.7	*1689.7*	1689.7	1689.7	1689.7	1689.7	1689.7
2.5°	1740.6	1747.3	1743.5	1735.8	1733.9	*1730.0*	1725.2	1723.3	1716.6	1710.8	1704.1
5°	1789.6	1796.3	1791.5	1781.0	1776.2	*1771.4*	1764.6	1758.9	1745.4	1732.9	1717.5
7.5°	1843.4	1849.2	1843.4	1828.1	1820.4	*1814.6*	1805.0	1796.3	1781.0	1762.7	1743.5
10°	1903.0	1907.8	1899.2	1879.0	1866.5	*1857.9*	1849.2	1839.6	1825.2	1805.0	1781.9
12.5°	1958.8	1964.5	1951.1	1927.1	1912.6	*1904.0*	1894.4	1886.7	1872.3	1853.1	1829.0
15°	2009.7	2018.4	1995.3	1969.3	1953.0	*1946.3*	1936.7	1931.9	1922.3	1908.8	1886.7
17.5°	2048.2	2053.9	2029.9	1999.1	1980.9	*1976.1*	1969.3	1972.2	1970.3	1963.6	1949.2
20°	2080.8	2084.7	2053.0	2015.5	1995.3	*1996.3*	1994.3	2003.9	2007.8	2007.8	2006.8
22.5°	2121.2	2122.2	2081.8	2034.7	2010.7	*2017.4*	2020.3	2030.9	2038.5	2046.2	2063.5
25°	2174.1	2172.1	2124.1	2059.7	2038.5	*2048.2*	2054.9	2058.7	2067.4	2079.9	2119.3
27.5°	2252.9	2247.1	2185.6	2100.1	2075.1	*2083.7*	2096.2	2094.3	2090.4	2100.1	2166.4
30°	2352.8	2345.1	2263.5	2156.8	2133.7	*2141.4*	2145.2	2127.9	2100.1	2108.7	2207.7
32.5°	2511.4	2498.0	2384.6	2220.2	2184.6	*2193.3*	2188.5	2152.9	2111.6	2120.2	2249.0
35°	2787.3	2754.6	2594.1	2352.8	2242.3	*2232.7*	2221.2	2186.6	2135.6	2127.0	2283.6
37.5°	3373.6	3315.9	3042.0	2611.4	2373.0	*2310.5*	2275.0	2240.4	2161.6	2127.0	2323.0
40°	4034.8	3976.2	3660.0	3043.9	2590.2	*2484.5*	2399.9	2303.8	2188.5	2139.5	2384.6
42.5°	4724.9	4660.5	4335.6	3580.2	2900.7	*2683.5*	2525.8	2354.8	2232.7	2177.9	2466.2
45°	5495.7	5415.0	4990.2	4139.6	3351.4	*3014.1*	2728.6	2459.5	2309.6	2246.2	2577.7
47.5°	6308.8	6204.1	5642.8	4682.6	3836.8	*3471.6*	3099.6	2646.9	2423.0	2348.0	2728.6
50°	7029.7	6925.9	6316.5	5250.6	4290.5	*3907.0*	3522.5	2906.4	2593.1	2492.2	2931.4
52.5°	7547.7	7468.9	6929.7	5836.9	4762.4	*4315.5*	3906.0	3208.2	2808.4	2676.7	3170.8
55°	7894.7	7822.6	7364.1	6392.5	5311.2	*4765.3*	4283.7	3536.0	3067.9	2897.8	3435.1
57.5°	8105.2	8063.8	7678.4	6888.4	5855.2	*5257.4*	4716.2	3896.4	3373.6	3158.3	3730.1
60°	8180.1	8146.5	7873.5	7361.3	6512.6	*5848.5*	5224.7	4303.0	3744.5	3454.3	4032.9
62.5°	7980.2	7987.0	8013.9	7921.6	7205.6	*6540.5*	5834.0	4791.2	4155.9	3789.7	4317.4
65°	7039.3	7095.0	7606.4	8542.5	8123.4	*7407.4*	6609.7	5387.1	4626.9	4171.3	4543.2
67.5°	5828.3	5909.0	6545.3	8905.8	9101.9	*8532.9*	7690.0	6146.4	5188.2	4559.6	4628.8
70°	4461.5	4548.0	5318.9	8829.9	10017.8	*9763.1*	9025.9	7112.3	5769.6	4828.7	4410.6
72.5°	*3184.2*	*3228.4*	*3835.9*	*8154.2*	*10393.6*	*10601.2*	*10010.1*	*8027.3*	*6066.6*	*4679.7*	*3597.5*
75°	2237.5	2229.8	2632.5	6566.4	9808.3	*10499.3*	9665.1	7532.3	5490.0	3717.6	2218.3
77.5°	974.6	976.5	1314.8	3987.7	7828.4	*8967.3*	8034.1	4718.2	3827.2	1970.3	936.1
80°	252.8	260.5	482.5	1587.8	4713.4	*5918.6*	4899.8	2074.1	1768.5	480.6	178.8
82.5°	89.4	95.2	222.0	498.8	1738.7	*2714.2*	2181.8	663.2	461.3	137.4	48.1
85°	26.0	30.8	119.2	152.8	359.5	*767.0*	529.6	128.8	113.4	71.1	12.5
87.5°	0.0	3.8	24.0	21.1	21.1	*14.4*	26.9	14.4	18.3	8.7	3.8
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: P1203860
CATALOG NUMBER: GWC-SB2D-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1689.7	1689.7	1689.7	1689.7	1689.7	1689.7	1689.7	1689.7	1689.7	1689.7	1689.7
2.5°	1698.3	1691.6	1677.2	1661.8	1647.4	1633.9	1630.1	1615.7	1608.9	1609.9	1608.9
5°	1707.0	1694.5	1666.6	1633.0	1598.4	1558.9	1526.3	1480.1	1440.7	1435.9	1433.0
7.5°	1730.0	1709.8	1664.7	1599.3	1512.8	1404.2	1303.3	1203.3	1146.6	1115.9	1113.9
10°	1765.6	1738.7	1669.5	1544.5	1361.0	1166.8	1014.0	888.1	823.7	793.9	788.1
12.5°	1807.9	1778.1	1677.2	1451.3	1164.9	910.2	744.9	668.0	654.5	652.6	651.6
15°	1867.5	1834.8	1685.8	1325.4	952.5	693.0	617.0	618.0	628.6	634.3	633.4
17.5°	1933.8	1901.1	1673.3	1171.6	743.0	592.1	590.1	598.8	614.2	619.9	619.0
20°	2001.1	1970.3	1629.1	990.9	600.7	564.2	571.9	581.5	596.9	604.5	604.5
22.5°	2070.3	2043.4	1558.9	798.7	542.1	544.0	553.6	563.2	580.5	589.2	589.2
25°	2144.3	2121.2	1465.7	640.1	517.1	522.9	535.3	546.9	565.1	575.7	575.7
27.5°	2219.2	2201.9	1360.0	534.4	494.0	500.7	515.2	530.5	548.8	561.3	562.3
30°	2300.9	2291.3	1275.4	495.0	471.9	477.7	494.0	511.3	531.5	546.9	548.8
32.5°	2384.6	2382.6	1234.1	523.8	451.7	455.6	470.0	487.3	512.3	531.5	533.4
35°	2467.2	2471.1	1210.1	605.5	445.0	434.4	444.0	459.4	489.2	513.2	517.1
37.5°	2572.9	2582.5	1209.1	693.9	461.3	413.3	420.0	430.6	456.5	484.4	489.2
40°	2730.6	2781.5	1270.6	769.9	490.2	394.1	396.0	397.9	411.4	434.4	442.1
42.5°	2940.1	3089.1	1492.6	821.8	501.7	376.8	370.0	359.5	357.5	370.0	376.8
45°	3200.6	3461.0	1882.8	850.6	490.2	357.5	339.3	311.4	300.8	309.5	309.5
47.5°	3507.1	3868.5	2345.1	857.3	471.0	333.5	300.8	264.3	255.7	258.5	257.6
50°	3806.1	4174.2	2751.7	801.6	439.2	302.8	258.5	227.8	222.0	223.0	223.0
52.5°	4070.4	4278.9	2867.0	669.9	396.9	265.3	222.0	200.9	197.0	197.0	196.1
55°	4245.3	4165.5	2556.6	512.3	344.1	226.8	190.3	179.7	177.8	176.8	174.9
57.5°	4281.8	3796.4	1930.9	370.0	269.1	191.3	169.2	163.4	159.5	155.7	153.8
60°	4151.1	3181.3	1229.3	258.5	201.8	163.4	149.9	146.1	138.4	130.7	127.8
62.5°	3868.5	2402.8	680.5	179.7	162.4	139.4	132.6	127.8	113.4	100.9	97.1
65°	3488.9	1597.4	300.8	140.3	132.6	117.3	113.4	106.7	89.4	75.0	72.1
67.5°	3107.3	919.8	135.5	112.5	106.7	96.1	93.2	88.4	75.9	62.5	60.6
70°	2671.9	466.1	93.2	89.4	82.7	73.0	75.9	75.0	62.5	50.9	49.0
72.5°	*1989.5*	*231.6*	*70.2*	*67.3*	*59.6*	*51.9*	*62.5*	*61.5*	*49.0*	*38.4*	*36.5*
75°	1126.4	114.4	50.9	47.1	35.6	38.4	50.0	47.1	33.6	25.0	23.1
77.5°	446.9	58.6	33.6	28.8	21.1	26.0	36.5	31.7	17.3	10.6	9.6
80°	102.8	28.8	17.3	12.5	9.6	15.4	19.2	11.5	4.8	1.0	0.0
82.5°	28.8	12.5	5.8	4.8	4.8	5.8	4.8	1.9	0.0	0.0	0.0
85°	9.6	5.8	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
87.5°	3.8	1.9	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

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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

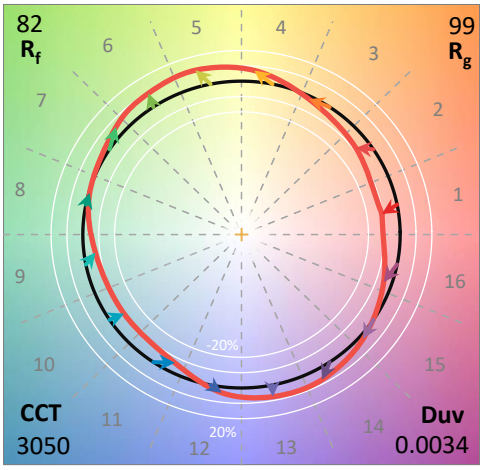
Test Information

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

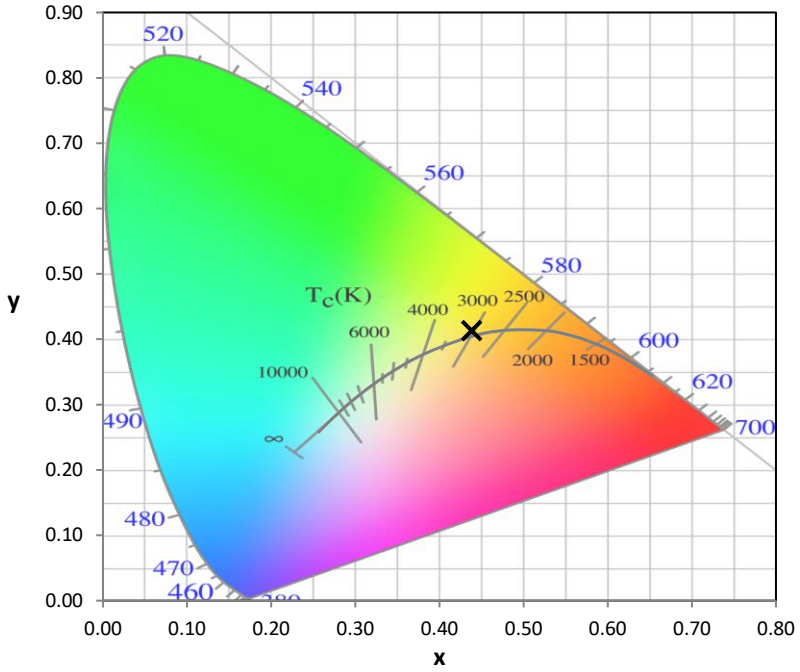
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

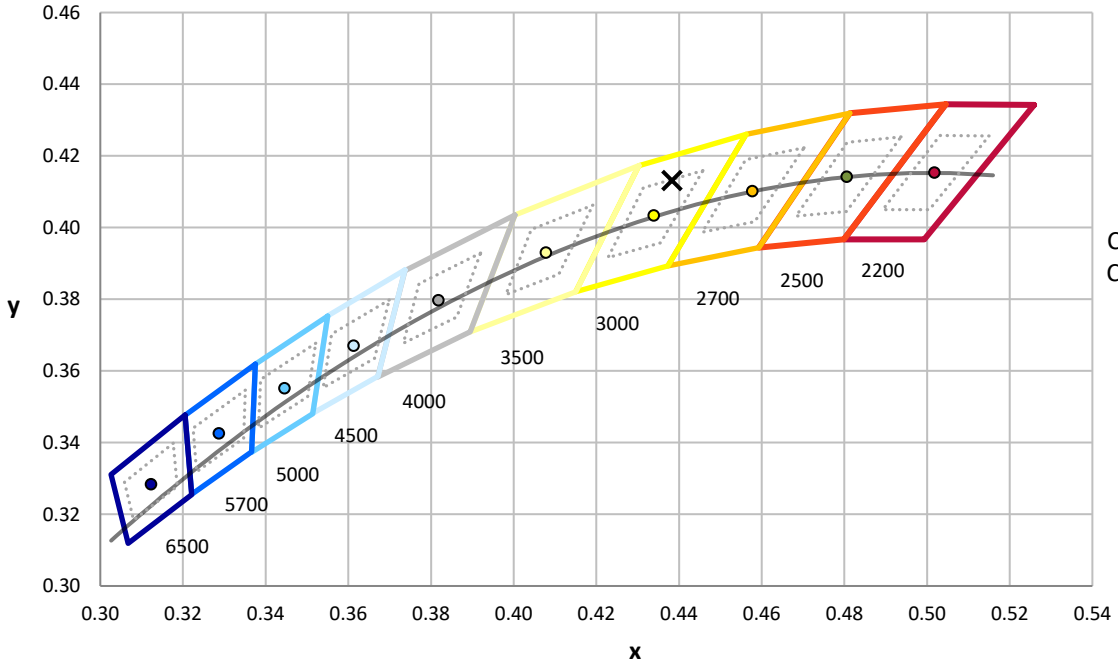
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

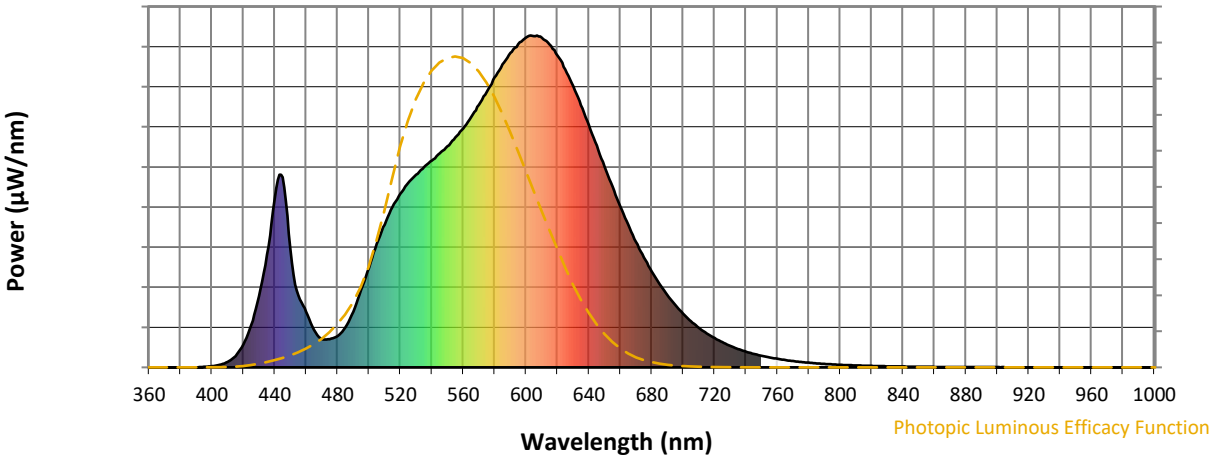


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

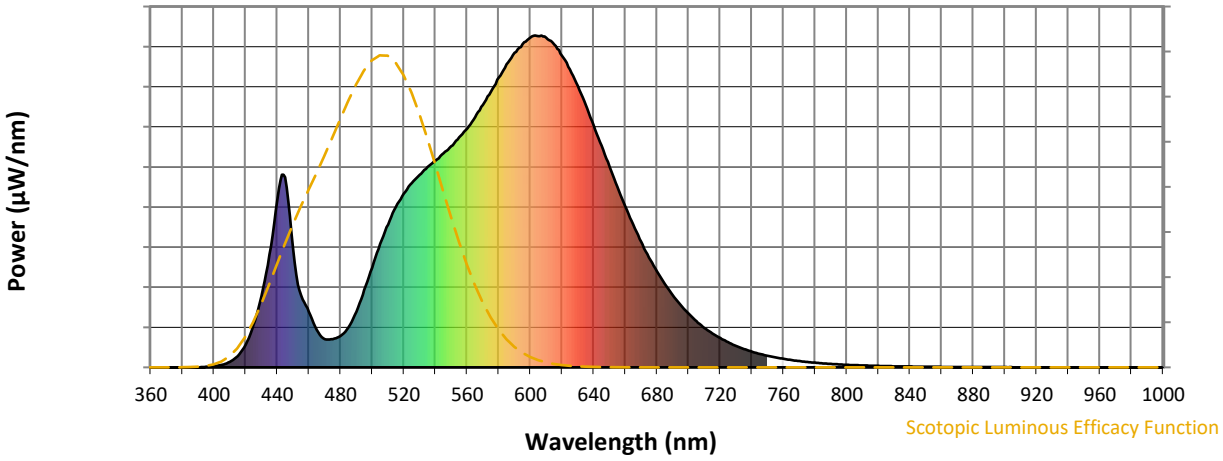


Photopic Lumens: NR

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

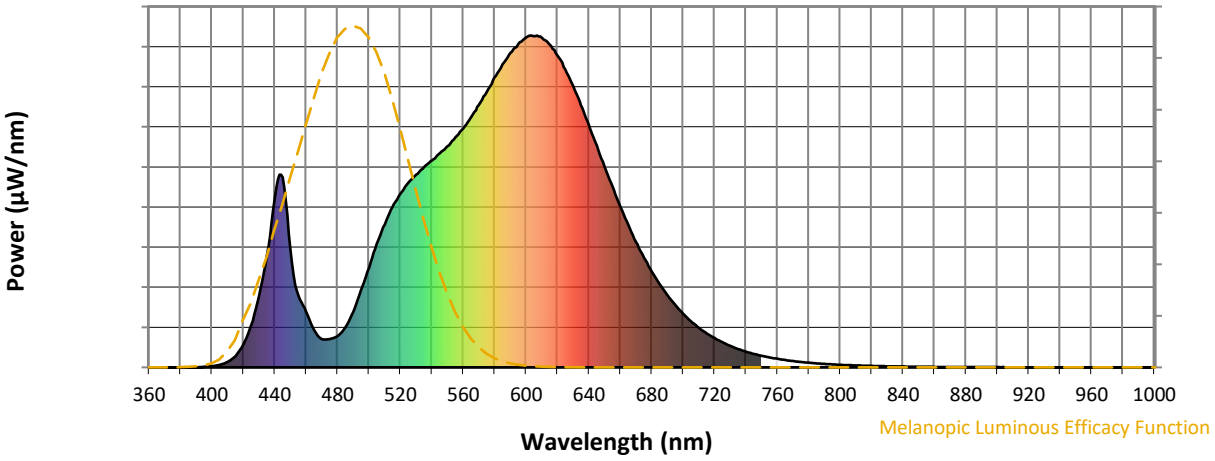


Scotopic Lumens: NR **S/P: 1.27**

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			

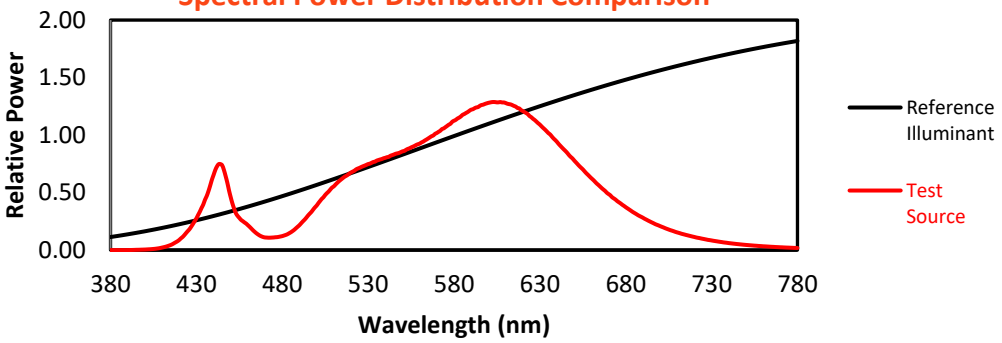
REPORT NUMBER: SP1-2408-195-9

TM-30-18

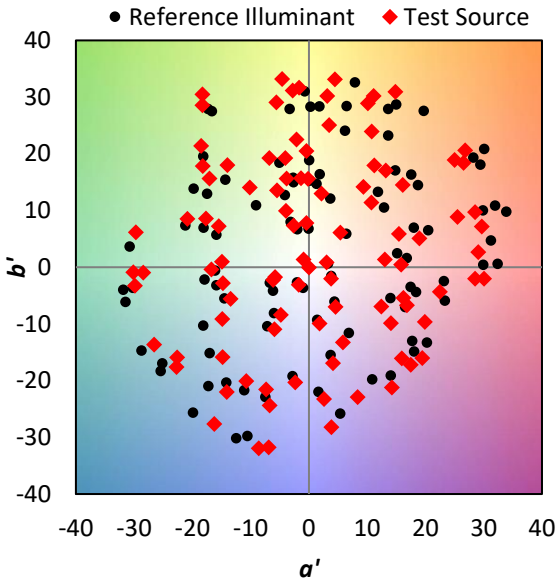
Summary

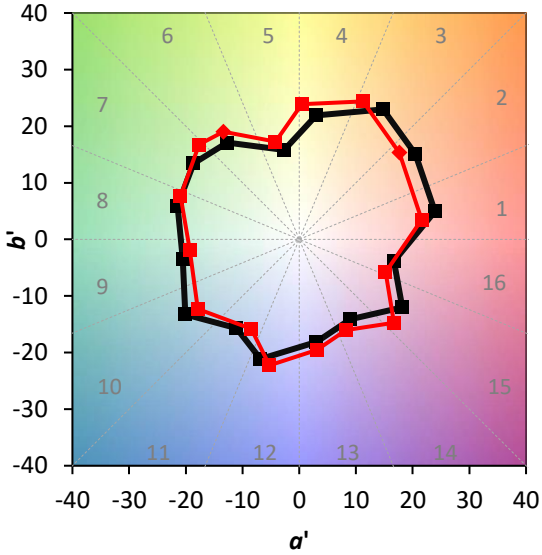
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

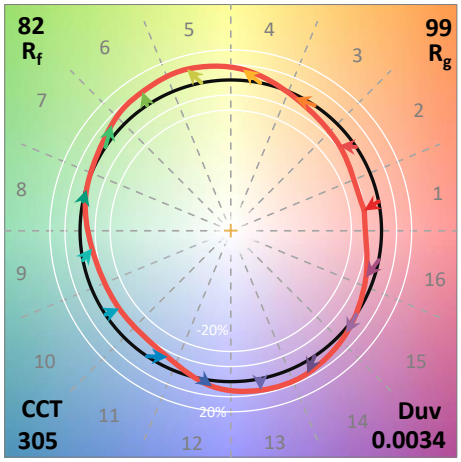
Spectral Power Distribution Comparison

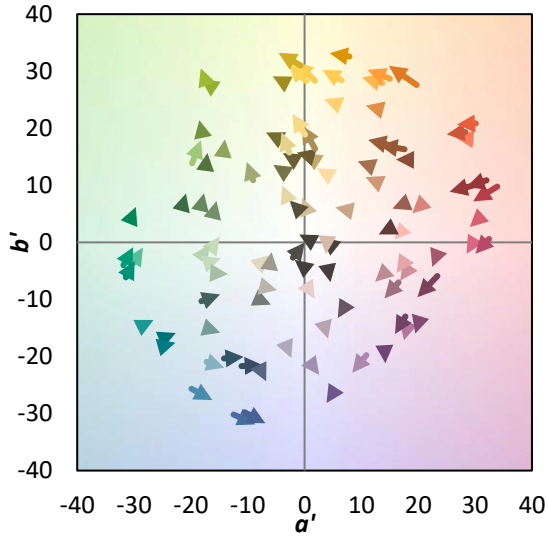


Color Vector Graphics







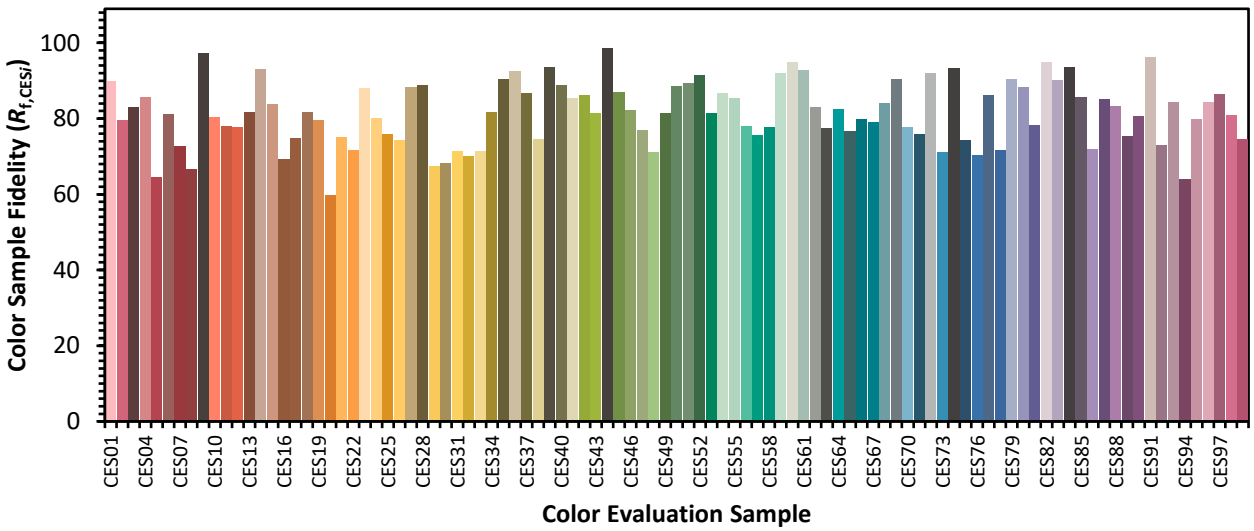


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

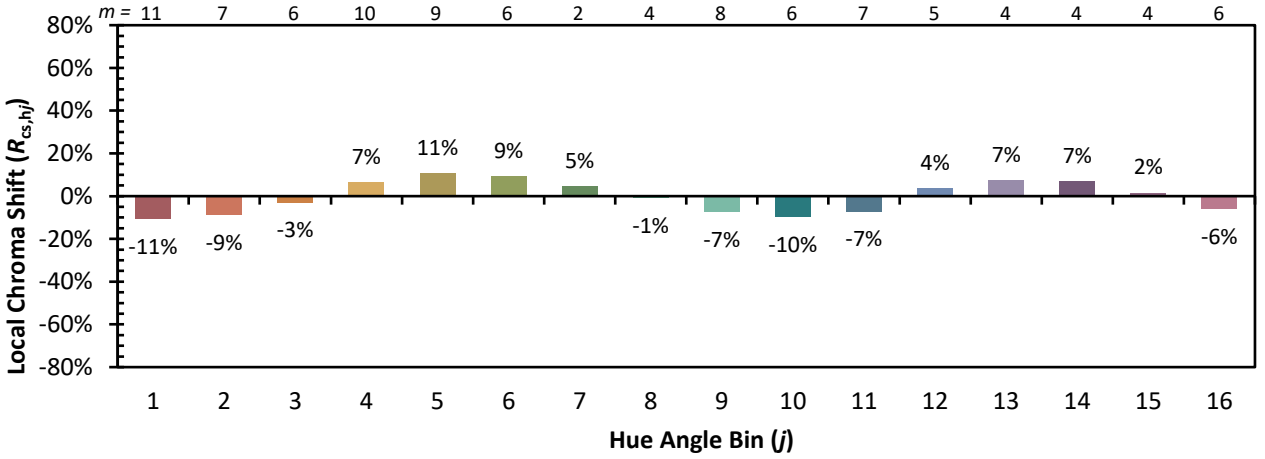
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CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57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

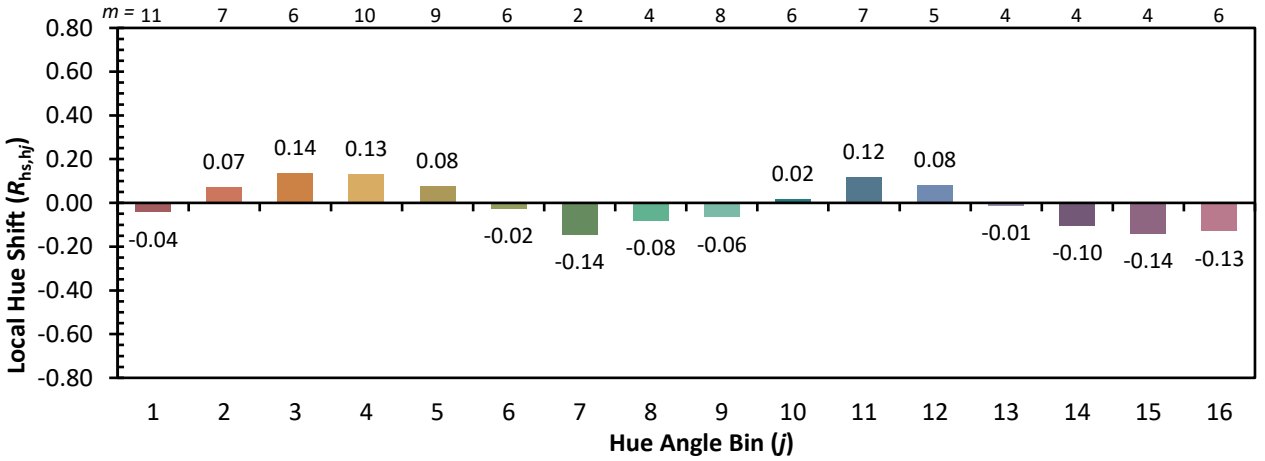


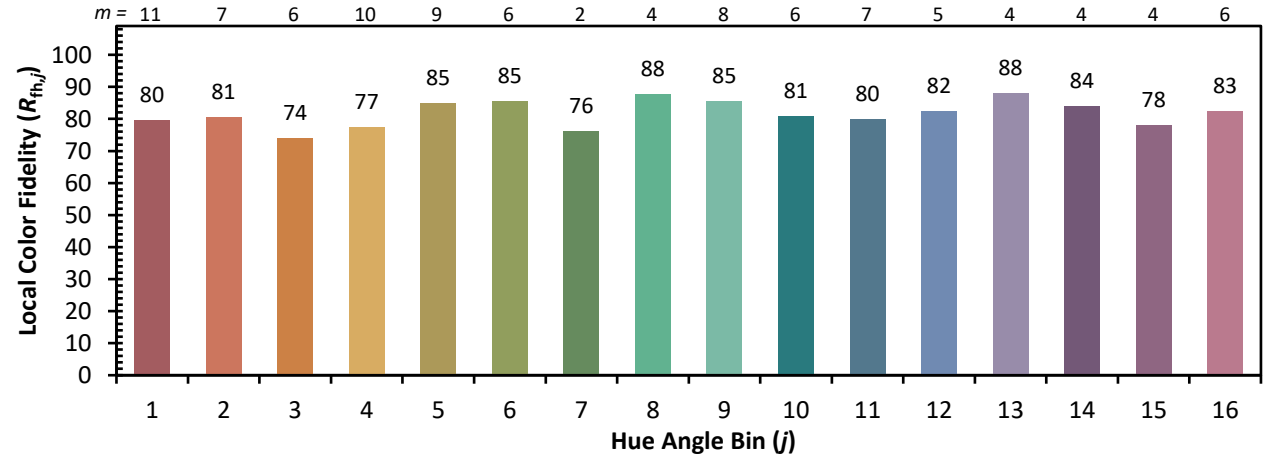
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



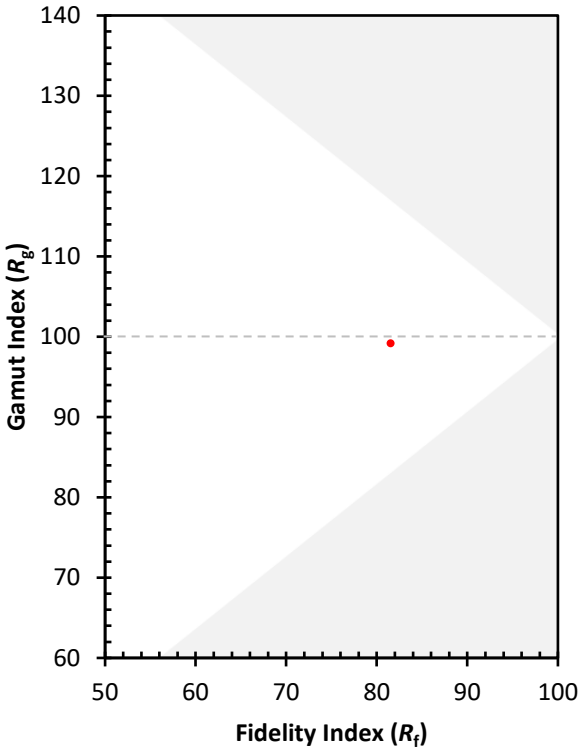


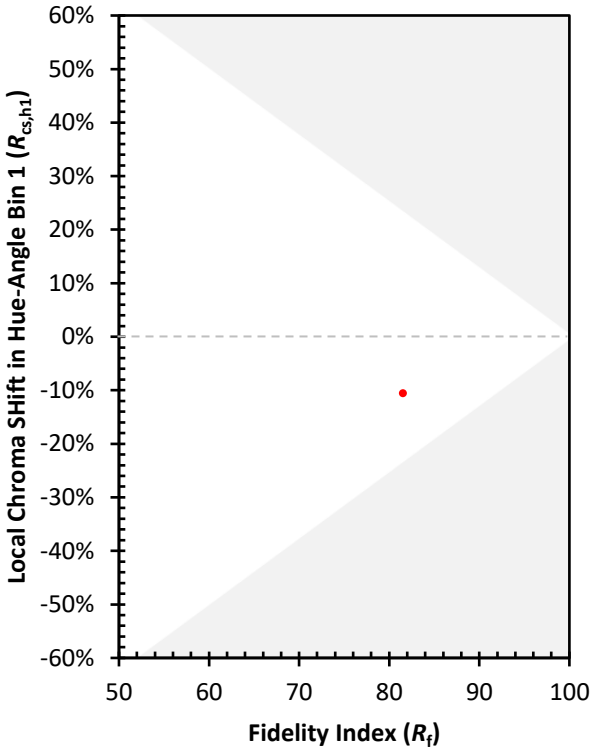


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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