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: P1202361

Luminaire Tested: GWC-SB1D-830-U-SL2

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:	P1202361
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1D-830-U-SL2
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9136 lumens
Efficiency:	N/A
Efficacy:	114.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

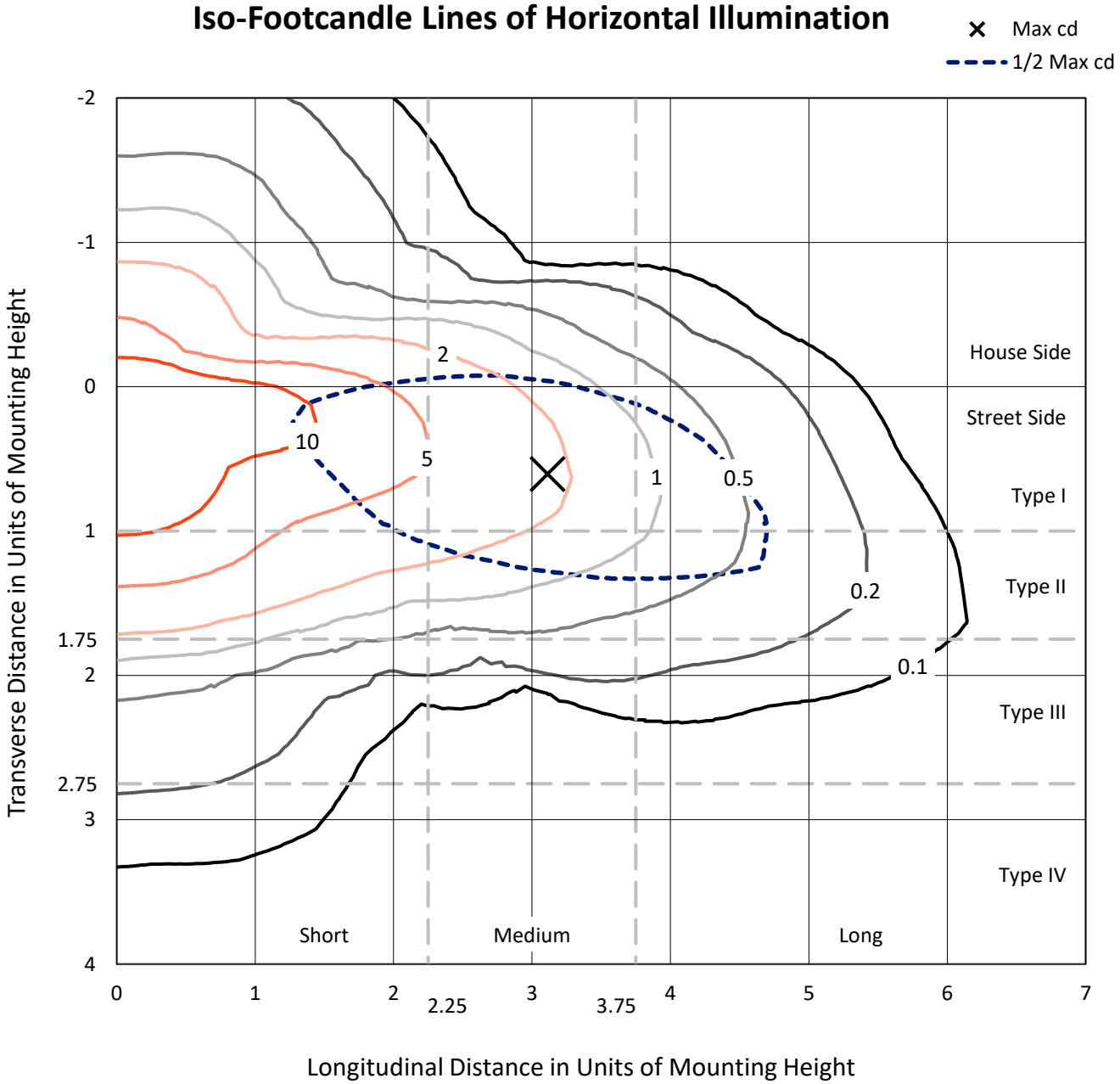


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REPORT NUMBER: P1202361
CATALOG NUMBER: GWC-SB1D-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



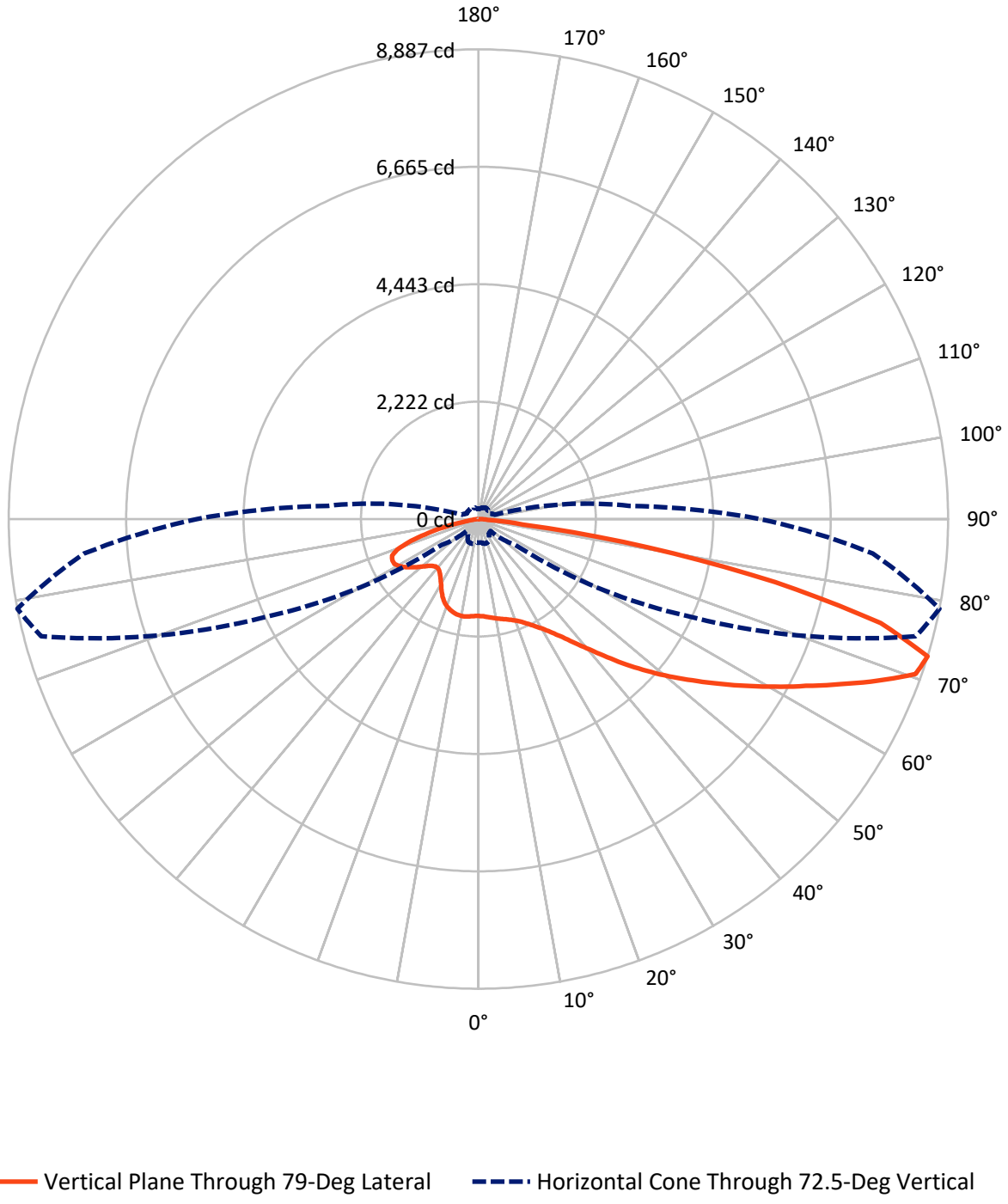
Based on 10 foot mounting height. Maximum calculated value = 17 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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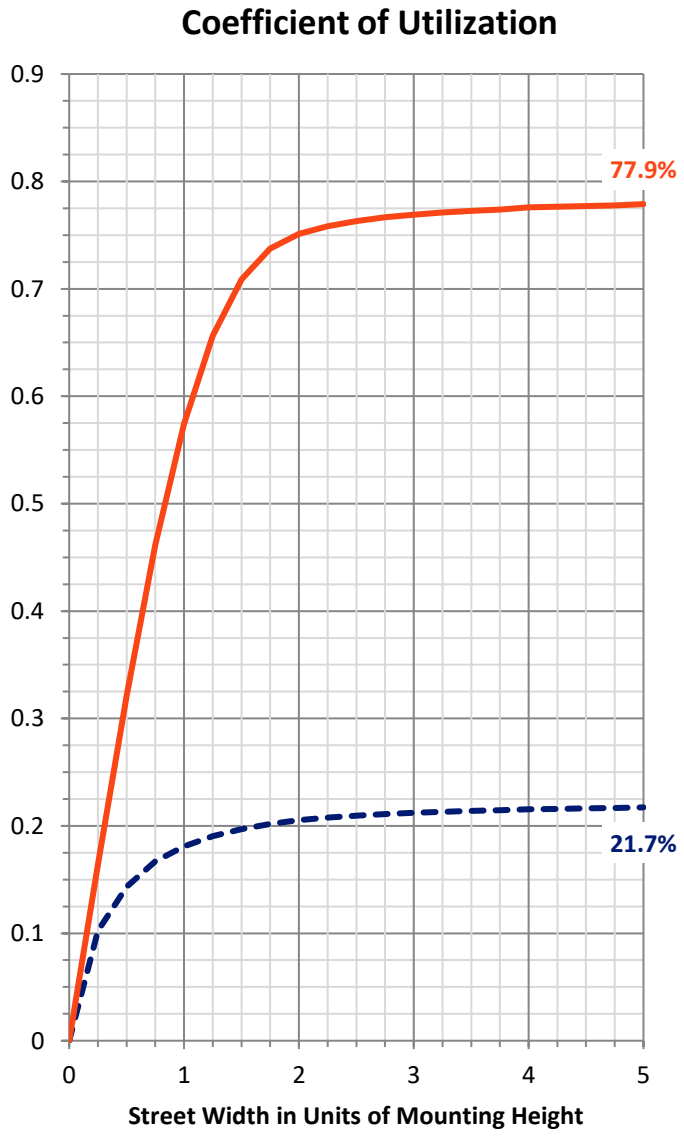
REPORT NUMBER: P1202361
CATALOG NUMBER: GWC-SB1D-830-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2010.4	0.0	2010.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	7125.6	0.0	7125.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	9136.0	0.0	9136.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.5	1.8
10°-20°	435.2	4.8
20°-30°	702.3	7.7
30°-40°	1054.0	11.5
40°-50°	1495.2	16.4
50°-60°	1888.3	20.7
60°-70°	1917.8	21.0
70°-80°	1307.1	14.3
80°-90°	169.6	1.9
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°	9136.0	100.0
0°-180°	9136.0	100.0



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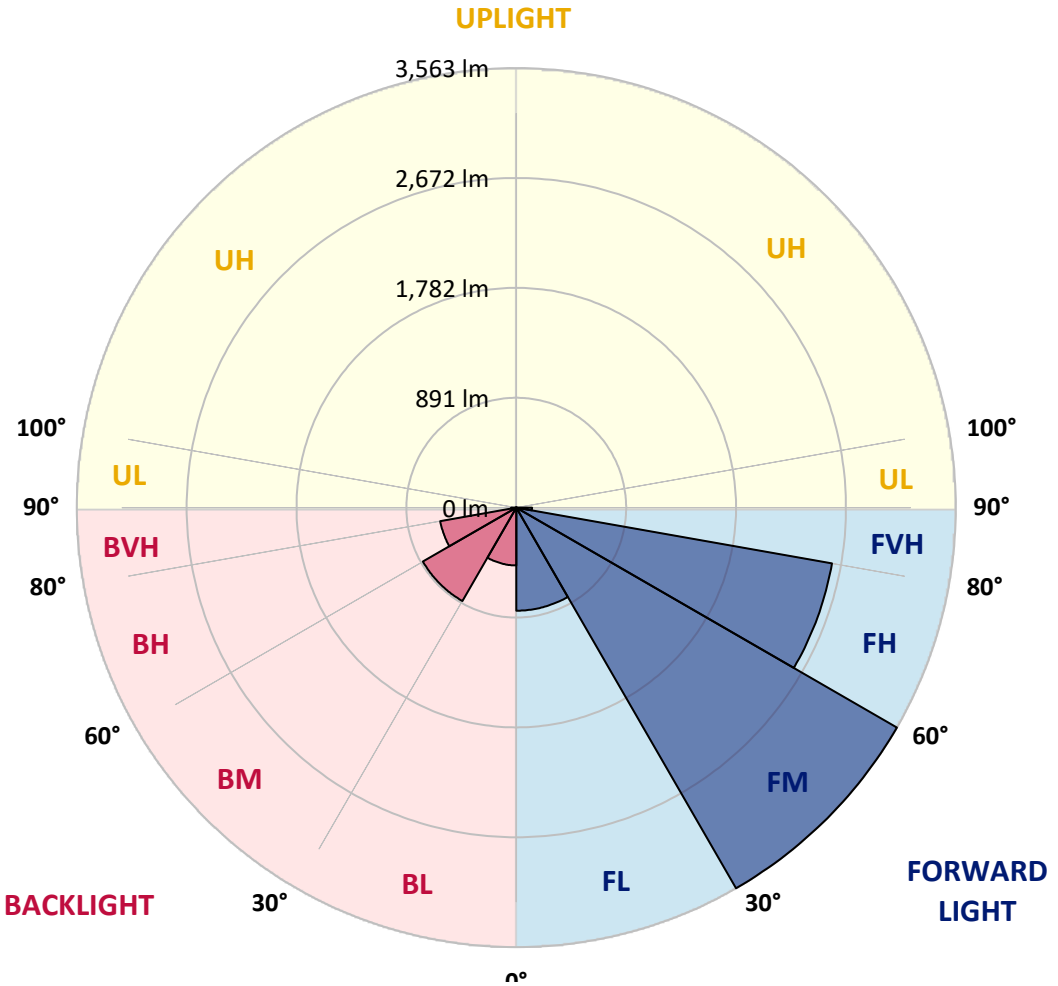
Scaled Data Report

REPORT NUMBER: P1202361
CATALOG NUMBER: GWC-SB1D-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	835.7	9.1			
FM	(30°-60°)	3563.2	39.0			
FH	(60°-80°)	2598.9	28.4			G2/5000
FVH	(80°-90°)	127.7	1.4			G2/225
BL	(0°-30°)	468.3	5.1	B1/500		
BM	(30°-60°)	874.3	9.6	B1/1000		
BH	(60°-80°)	626.0	6.9	B2/1000		G2/1000
BVH	(80°-90°)	41.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1834.0	1834.0	1834.0	1834.0	1834.0	1834.0	1834.0	1834.0	1834.0	*1834.0*	1834.0
2.5°	1834.9	1826.2	1831.5	1829.6	1832.0	1834.9	1835.9	1837.3	1842.2	*1841.7*	1841.2
5°	1831.1	1822.4	1829.6	1827.2	1833.5	1840.2	1846.0	1851.4	1859.1	*1862.5*	1857.6
7.5°	1822.9	1817.1	1824.3	1831.5	1843.1	1853.3	1861.5	1873.6	1884.7	*1886.6*	1890.0
10°	1775.0	1770.7	1787.6	1806.4	1838.3	1865.9	1883.7	1897.8	1909.8	*1911.8*	1916.6
12.5°	1725.2	1719.9	1738.8	1764.4	1816.1	1865.9	1903.6	1921.9	1932.5	*1938.8*	1946.1
15°	1717.0	1712.7	1723.3	1745.5	1788.5	1852.8	1917.1	1950.9	1960.1	*1967.3*	1970.2
17.5°	1756.6	1748.4	1752.8	1760.5	1785.6	1840.7	1927.7	1983.8	1997.8	*2005.5*	2005.5
20°	1848.5	1836.9	1830.1	1814.6	1810.3	1842.7	1926.8	2023.4	2041.8	*2051.4*	2053.8
22.5°	1970.7	1963.0	1948.5	1909.4	1866.8	1866.3	1945.1	2074.1	2108.5	*2117.6*	2111.8
25°	2118.6	2107.0	2088.6	2035.5	1953.8	1913.2	1976.0	2138.9	2196.4	*2198.8*	2181.9
27.5°	2288.7	2271.3	2246.2	2176.1	2065.9	1986.7	2023.4	2213.3	2297.4	*2296.4*	2261.6
30°	2468.0	2450.6	2424.0	2339.0	2200.3	2085.7	2089.1	2293.5	2417.3	*2411.9*	2352.5
32.5°	2599.0	2585.9	2580.6	2514.9	2354.9	2202.7	2164.5	2382.5	2565.1	*2560.3*	2477.2
35°	2699.5	2682.6	2688.8	2655.5	2523.6	2333.7	2256.8	2488.3	2744.9	*2744.4*	2641.0
37.5°	2799.0	2784.1	2789.4	2767.1	2679.7	2499.9	2369.4	2617.8	2967.7	*2978.3*	2839.1
40°	2889.9	2873.9	2895.2	2874.4	2801.0	2676.8	2497.5	2764.2	3225.7	*3246.0*	3078.8
42.5°	2944.5	2931.9	2967.2	2967.7	2906.3	2826.1	2638.1	2925.6	3524.4	*3569.8*	3373.6
45°	2963.3	2959.0	3012.1	3023.3	2999.6	2912.6	2764.7	3101.6	3846.3	*3927.4*	3709.5
47.5°	2943.0	2934.8	3008.3	3049.4	3068.2	2953.2	2869.6	3292.0	4174.9	*4293.7*	4075.8
50°	2840.6	2824.6	2933.9	3020.4	3087.5	2979.8	2975.4	3511.8	4548.4	*4678.4*	4444.0
52.5°	2656.5	2644.4	2768.6	2918.9	3045.0	2992.8	3094.3	3752.0	4903.1	*5071.3*	4821.5
55°	2421.1	2405.2	2541.9	2738.1	2939.2	2988.5	3213.2	4020.7	5321.6	*5492.2*	5211.5
57.5°	2048.0	2016.2	2189.2	2421.1	2766.7	2983.2	3336.9	4288.0	5746.9	*5951.3*	5627.5
60°	1503.9	1456.5	1668.7	1943.7	2429.3	2931.4	3490.1	4587.6	6257.2	*6441.3*	6081.8
62.5°	875.7	848.1	986.8	1243.4	1831.1	2627.0	3576.1	4936.0	6758.9	*6952.2*	6528.3
65°	679.9	672.2	684.3	704.1	1019.2	1966.9	3310.8	5275.7	7396.8	*7532.1*	6993.7
67.5°	622.0	616.2	621.5	584.3	517.1	1095.5	2619.3	5361.8	8080.1	*8162.2*	7401.1
70°	552.8	546.1	563.5	531.6	406.9	498.2	1692.4	5049.6	8623.7	*8777.9*	7710.9
72.5°	*450.4*	*442.7*	*483.3*	*468.8*	*342.6*	*319.9*	*850.1*	*4307.8*	*8566.7*	*8886.6*	*7489.1*
75°	346.0	341.7	390.0	402.1	279.3	251.8	407.9	3202.1	7538.8	*7861.2*	6454.4
77.5°	268.7	265.3	290.0	333.9	225.2	195.2	250.8	2031.1	5681.2	*5737.7*	4447.9
80°	201.5	191.9	214.6	258.5	175.4	142.6	170.1	1184.5	3591.1	*3255.2*	1935.9
82.5°	126.1	121.3	140.1	172.5	123.7	98.1	110.7	654.3	1439.1	*847.6*	373.6
85°	72.0	70.1	76.4	98.6	67.2	56.5	63.3	289.0	262.9	*180.7*	112.6
87.5°	29.0	28.0	34.8	44.0	24.6	20.8	22.2	69.6	58.0	*53.6*	37.2
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: P1202361
CATALOG NUMBER: GWC-SB1D-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1834.0	1834.0	1834.0	1834.0	1834.0	1834.0	1834.0	1834.0	1834.0	1834.0	1834.0
2.5°	1839.3	1839.3	1832.5	1821.9	1809.8	1802.1	1789.5	1786.1	1773.1	1769.2	1775.5
5°	1861.5	1857.6	1836.9	1806.9	1765.8	1728.1	1686.6	1660.5	1623.7	1610.7	1620.4
7.5°	1889.5	1878.9	1843.1	1777.4	1691.4	1606.8	1518.9	1452.2	1388.4	1365.7	1368.6
10°	1915.2	1900.2	1839.3	1724.3	1575.4	1429.0	1288.8	1190.7	1116.3	1085.9	1092.6
12.5°	1940.8	1913.2	1813.7	1635.8	1410.6	1212.0	1062.7	986.3	940.4	903.7	915.8
15°	1964.9	1926.3	1774.0	1517.4	1229.9	1028.4	918.2	857.3	820.6	796.4	800.8
17.5°	1993.0	1937.4	1714.6	1367.1	1057.9	901.3	811.4	774.7	767.4	764.5	766.4
20°	2032.1	1947.5	1636.3	1199.0	931.2	799.8	753.4	750.0	749.5	748.1	752.9
22.5°	2074.1	1959.6	1532.9	1046.3	823.5	736.5	728.3	721.5	717.2	716.7	722.0
25°	2123.9	1963.5	1403.4	921.1	731.7	706.5	696.9	686.7	683.8	683.8	686.7
27.5°	2172.2	1950.4	1252.6	812.4	679.9	679.0	666.4	663.0	662.5	664.0	667.9
30°	2220.6	1925.8	1102.8	711.8	650.0	650.0	645.6	648.0	650.0	654.8	658.2
32.5°	2285.8	1899.7	977.6	637.4	623.9	619.1	623.4	628.2	630.2	636.5	641.8
35°	2381.5	1881.3	878.1	596.8	596.8	590.5	593.0	592.0	587.6	584.7	591.5
37.5°	2508.1	1880.4	795.9	578.0	574.1	573.1	573.6	567.3	550.4	530.1	530.6
40°	2660.3	1906.5	732.6	564.9	562.0	567.8	564.9	548.0	501.6	466.3	465.4
42.5°	2864.8	1980.9	692.0	549.0	557.7	564.9	553.3	494.9	463.4	439.8	438.8
45°	3105.4	2101.7	671.2	532.1	549.5	558.2	502.1	476.5	451.4	422.9	420.9
47.5°	3378.0	2253.9	666.4	516.1	531.1	536.4	480.4	468.8	440.2	409.3	406.9
50°	3674.7	2434.2	679.5	497.3	504.5	486.2	473.1	462.5	433.0	402.6	399.2
52.5°	3981.6	2632.8	705.6	471.7	477.9	457.6	470.2	461.0	428.7	387.6	384.7
55°	4283.1	2832.9	730.7	441.7	450.9	432.0	462.0	455.2	408.8	362.4	360.0
57.5°	4589.5	3032.0	755.3	415.1	424.8	407.4	448.9	439.8	386.6	339.2	338.3
60°	4908.0	3225.3	766.9	389.5	396.3	384.7	429.1	413.2	361.5	315.6	314.1
62.5°	5206.1	3386.2	748.1	363.9	368.2	363.4	403.0	381.8	336.3	289.0	288.5
65°	5505.3	3481.9	690.1	338.8	339.7	337.3	366.3	347.9	306.9	265.8	262.9
67.5°	5776.4	3535.5	597.8	311.7	309.3	308.3	332.0	311.2	278.4	242.6	239.7
70°	5833.9	3399.2	456.7	279.8	279.8	277.4	294.3	273.0	246.9	217.9	217.0
72.5°	*5328.4*	*2859.4*	*324.3*	*243.6*	*247.4*	*242.6*	*256.6*	*238.7*	*215.0*	*195.7*	*189.9*
75°	4296.6	2096.9	235.8	206.4	213.1	204.9	217.9	205.4	185.1	184.6	166.2
77.5°	2952.2	1296.6	171.1	170.1	174.9	164.3	179.3	172.5	154.2	145.9	136.8
80°	1259.9	517.1	124.7	131.4	131.4	121.8	139.2	141.1	125.2	121.3	121.3
82.5°	250.8	146.9	87.5	90.4	85.1	82.2	98.6	109.2	150.8	167.7	168.2
85°	75.4	54.1	52.7	49.3	43.5	44.0	58.0	109.7	135.3	77.3	66.7
87.5°	20.8	13.5	14.0	11.1	9.2	12.1	19.8	83.1	45.4	19.3	16.4
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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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

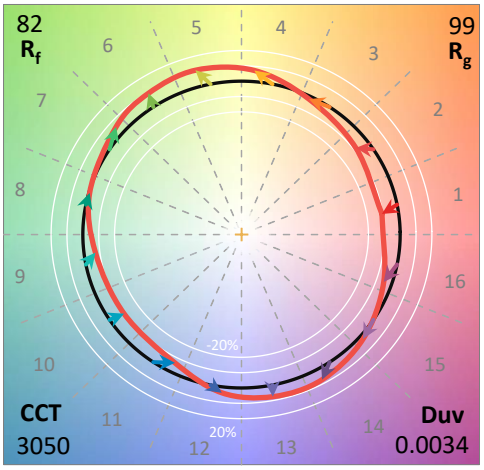
Test Information

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

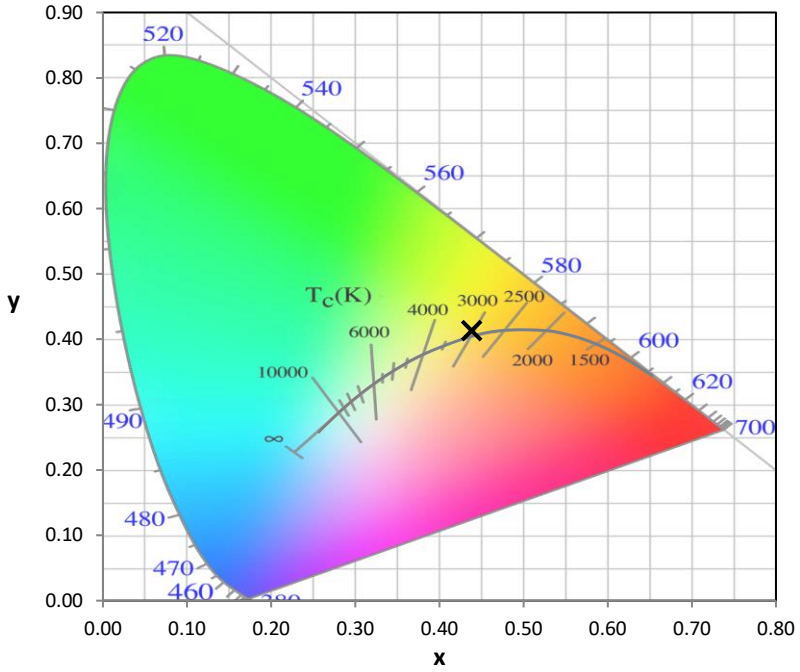
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

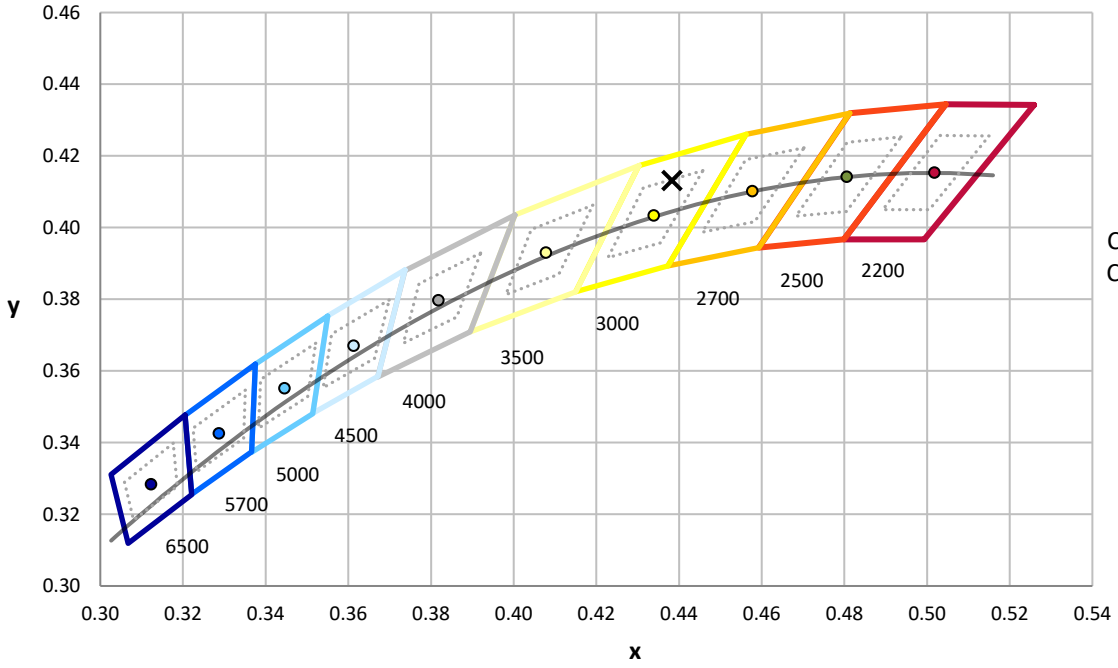
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

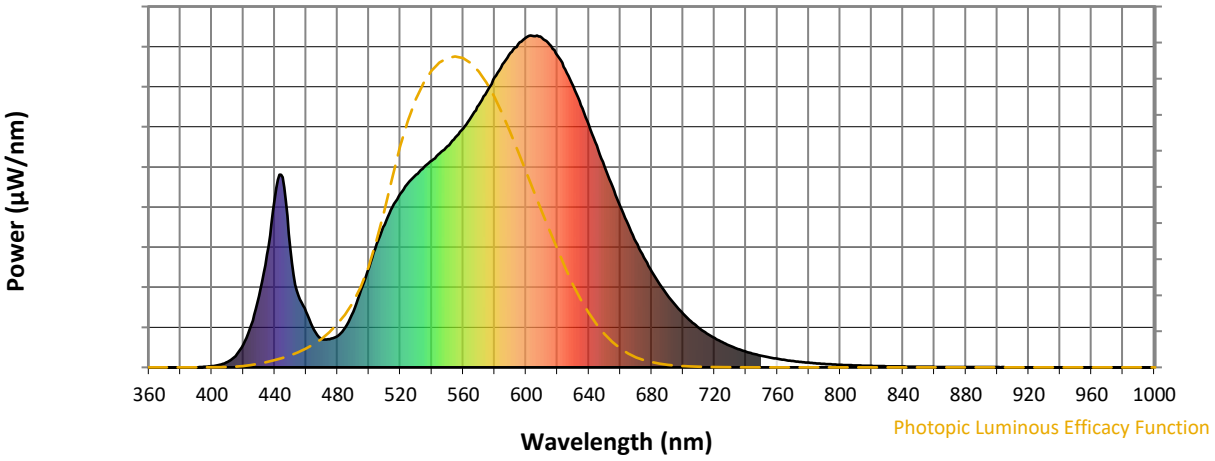


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

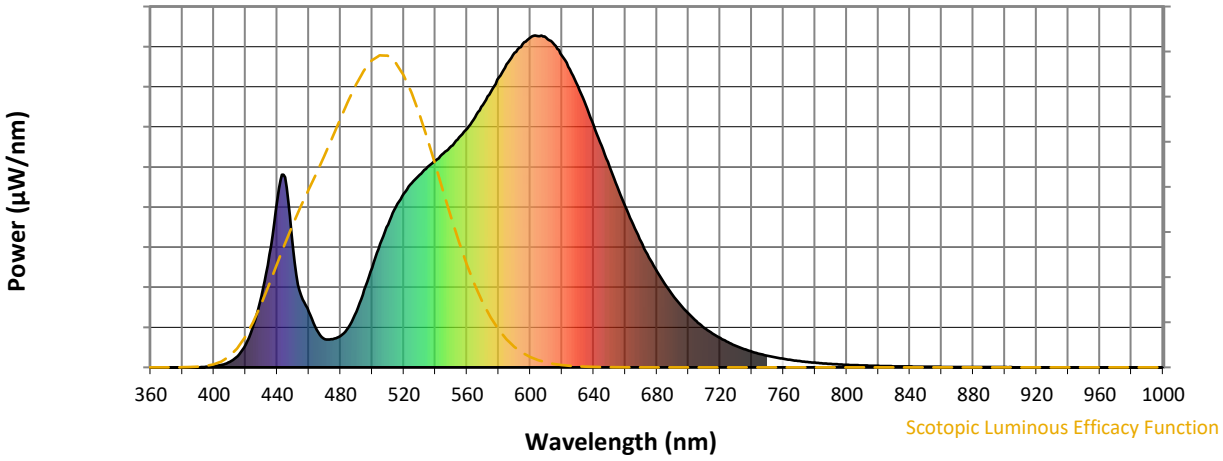


Photopic Lumens: NR

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

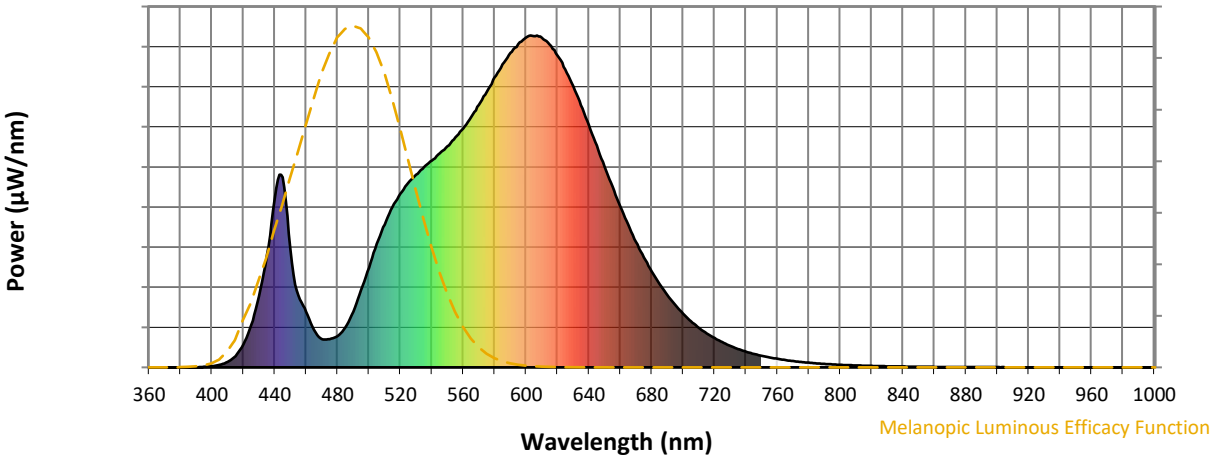


Scotopic Lumens: NR **S/P: 1.27**

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			

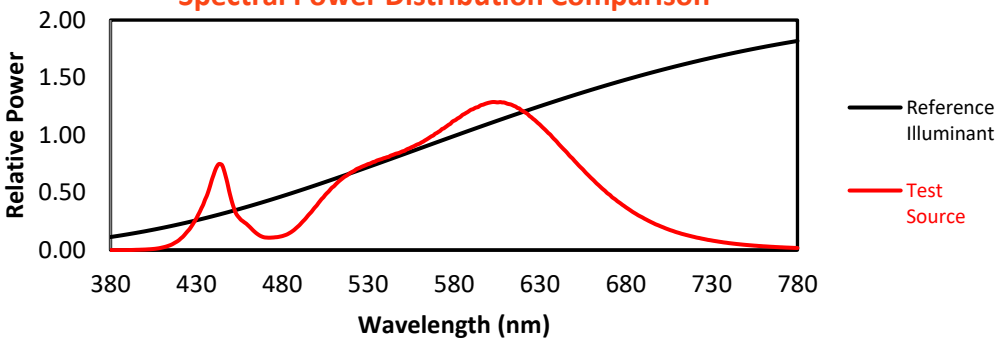
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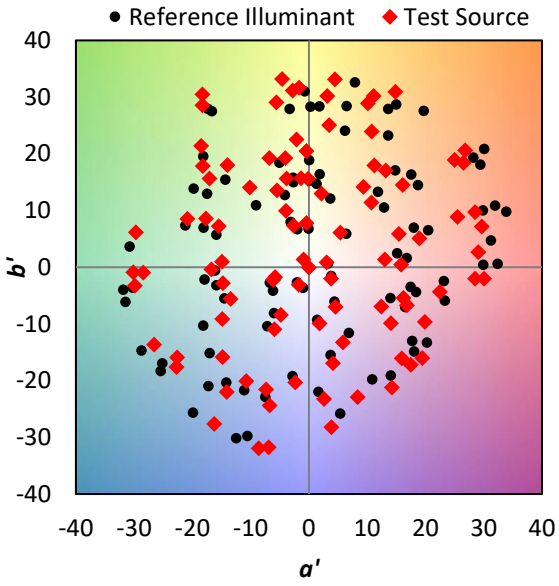
Summary

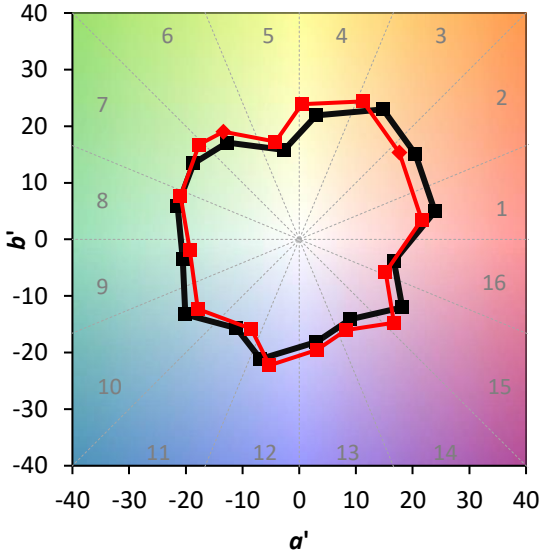
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

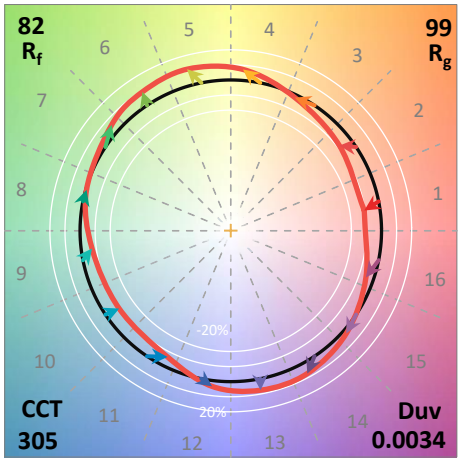
Spectral Power Distribution Comparison

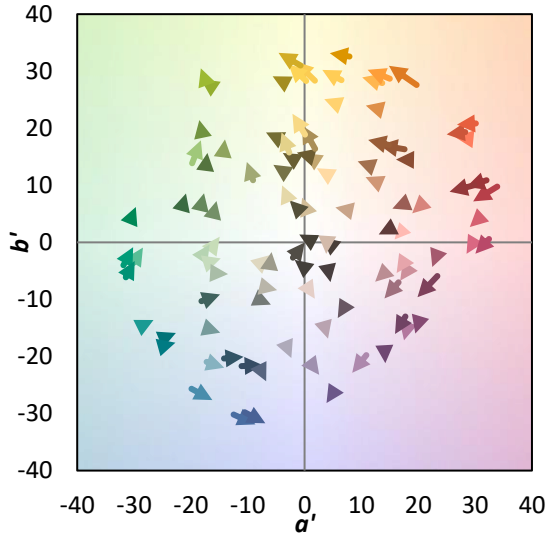


Color Vector Graphics







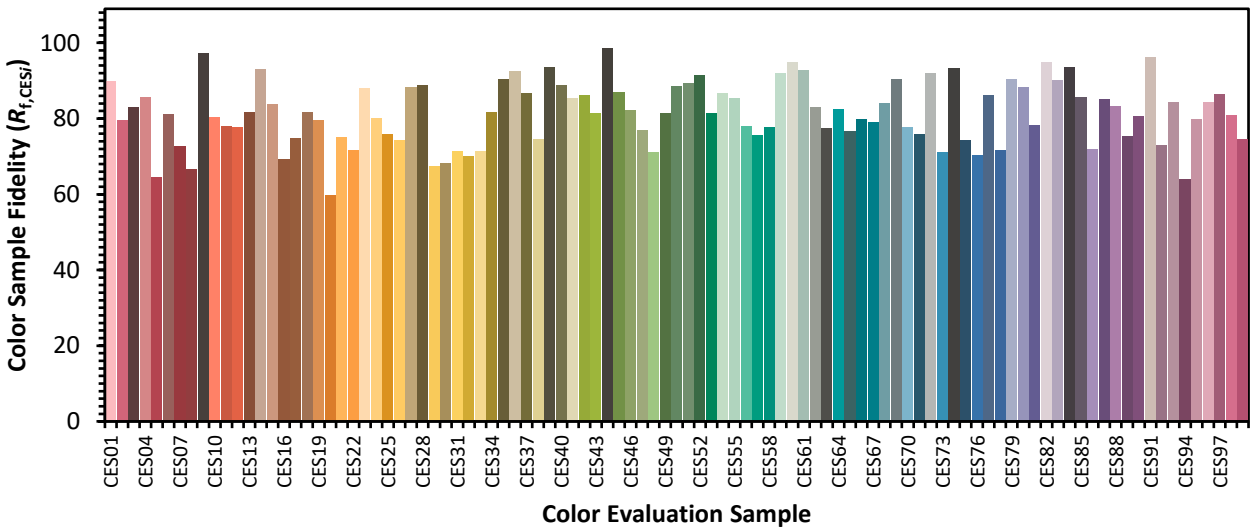


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Individual Sample Fidelity Index ($R_{f,i}$)

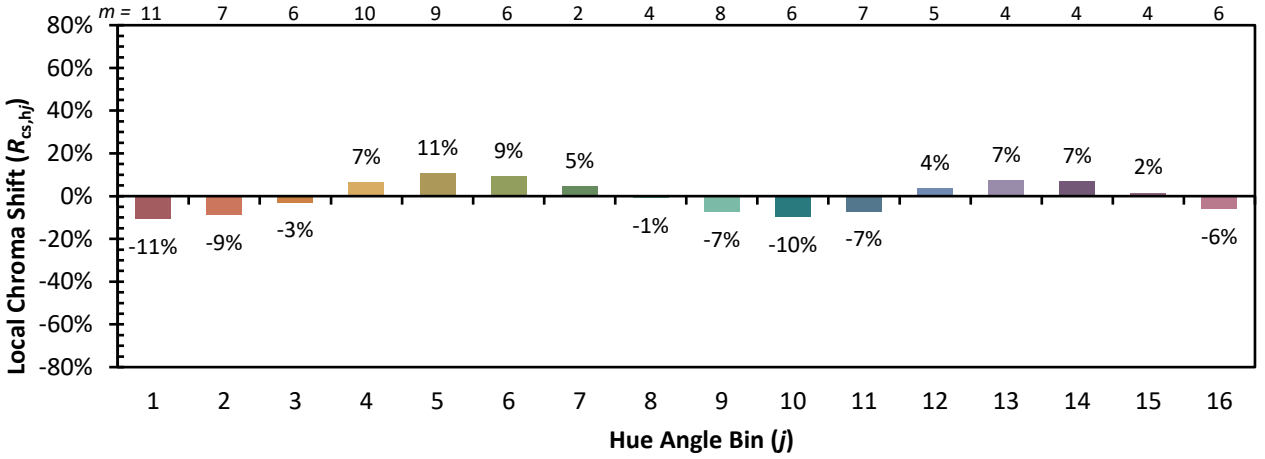
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

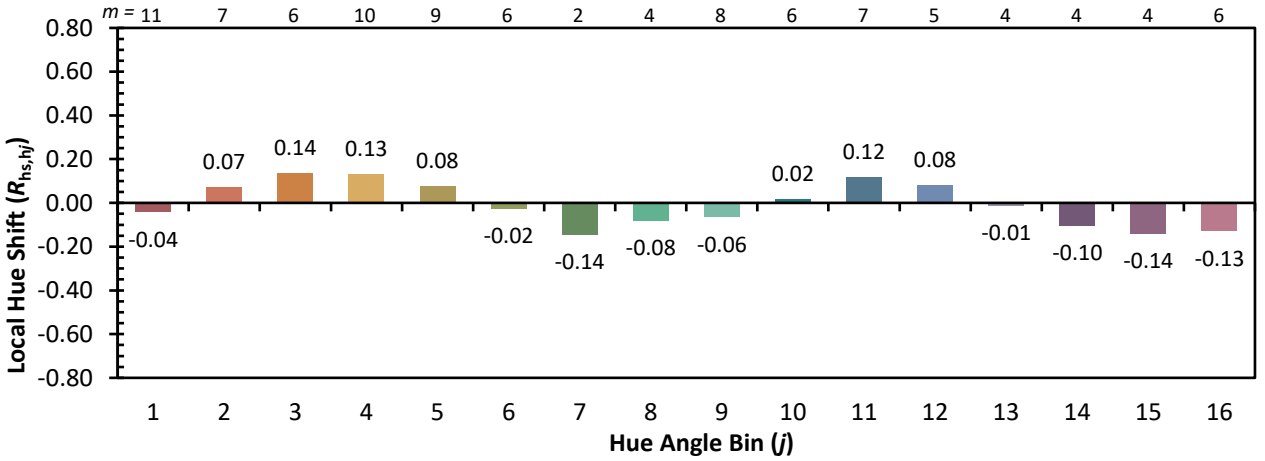


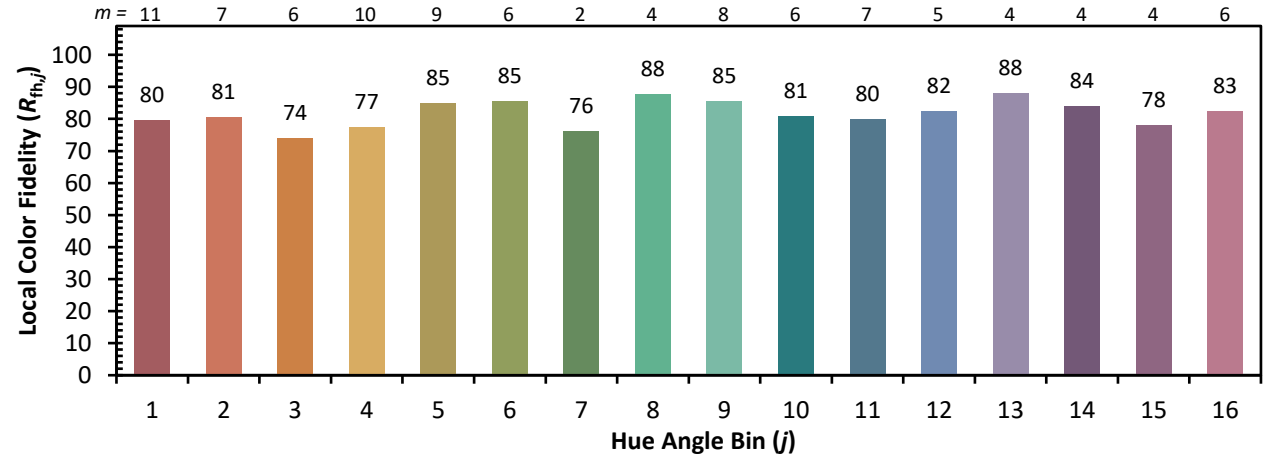
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Color Rendition by Hue-Angle Bin



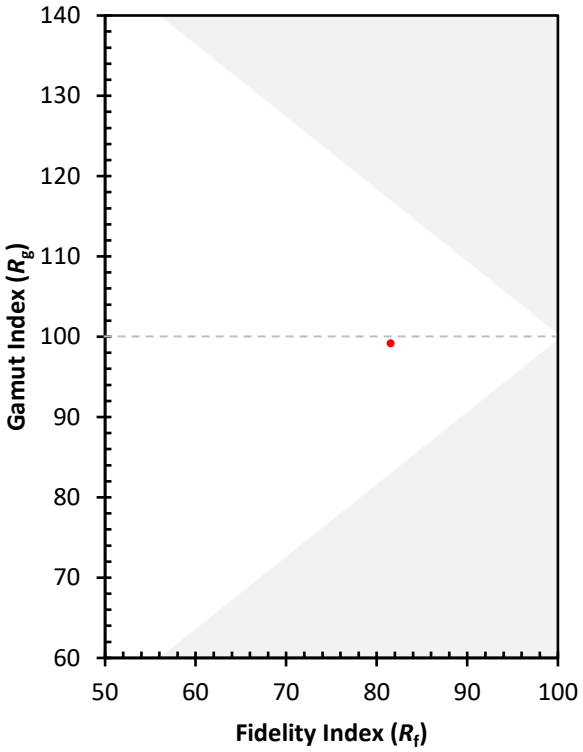


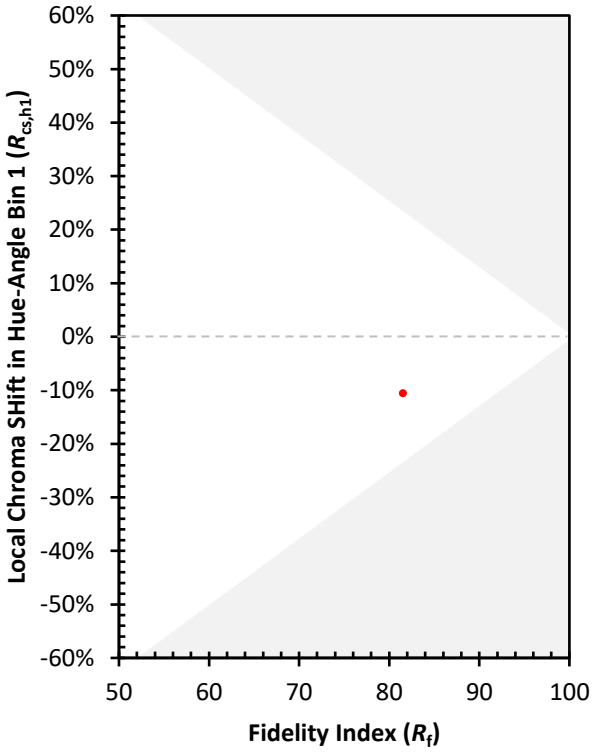


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Measure Comparisons





(END OF REPORT)