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: P1203870

Luminaire Tested: GWC-SB2D-830-U-T4FT-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:	P1203870
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-830-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13842 lumens
Efficiency:	N/A
Efficacy:	93.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - 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

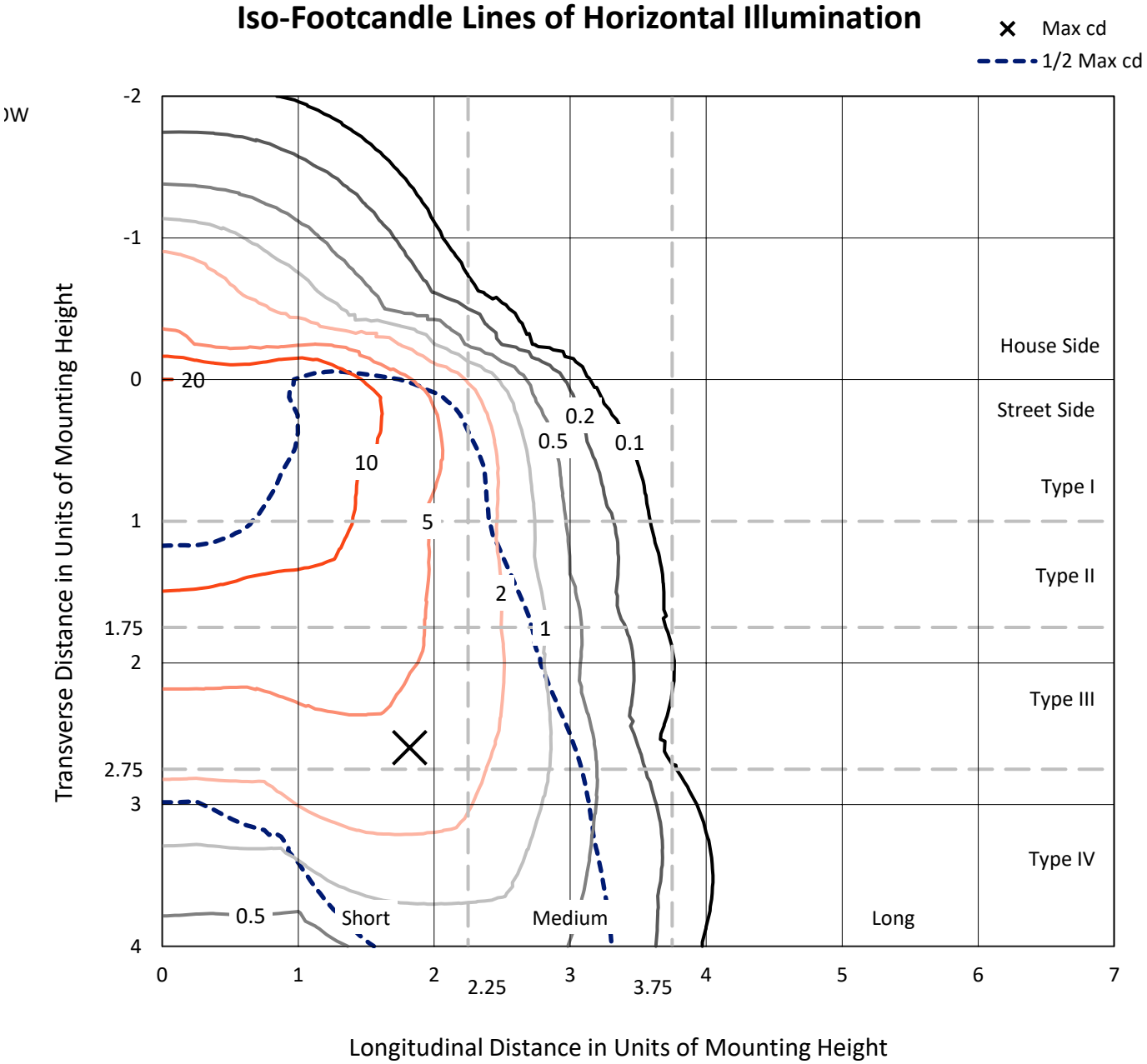


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Scaled Data Report

REPORT NUMBER: P1203870
CATALOG NUMBER: GWC-SB2D-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



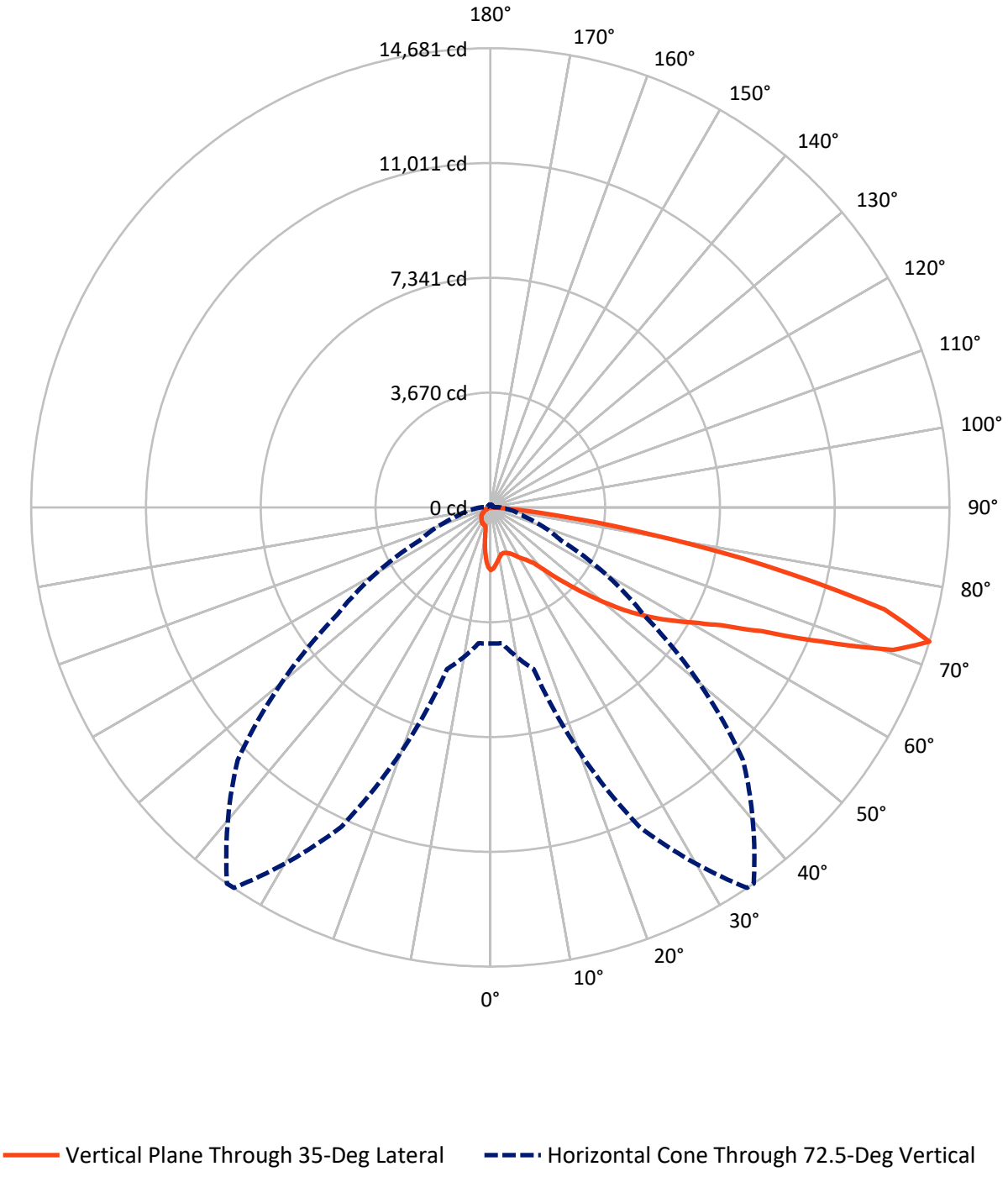
Based on 10 foot mounting height. Maximum calculated value = 28.8 fc
Type IV - Short - N/A

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REPORT NUMBER: P1203870
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Luminous Intensity Polar Plot



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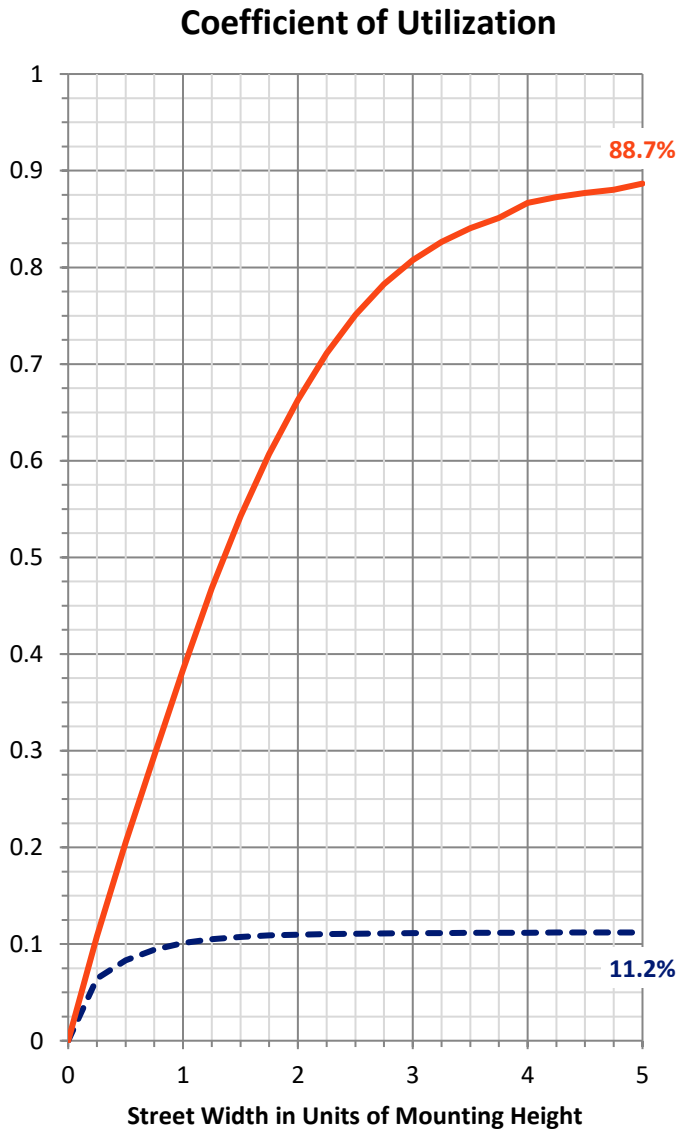
REPORT NUMBER: P1203870
CATALOG NUMBER: GWC-SB2D-830-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1557.8	0.0	1557.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12284.2	0.0	12284.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	13842.0	0.0	13842.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.9	1.2
10°-20°	385.7	2.8
20°-30°	626.5	4.5
30°-40°	1045.3	7.6
40°-50°	1977.7	14.3
50°-60°	3142.6	22.7
60°-70°	3887.6	28.1
70°-80°	2416.6	17.5
80°-90°	195.3	1.4
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°	13842.0	100.0
0°-180°	13842.0	100.0



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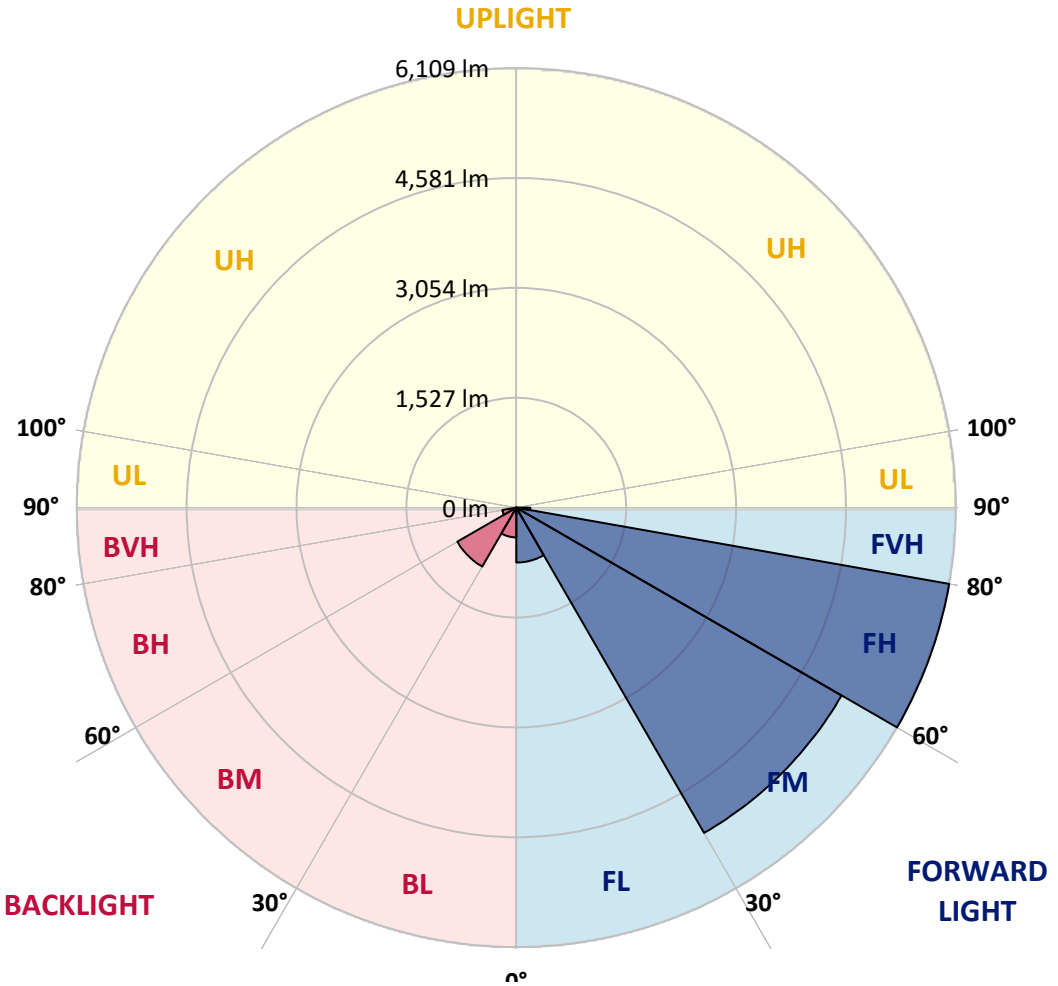
Scaled Data Report

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CATALOG NUMBER: GWC-SB2D-830-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	763.0	5.5			
FM	(30°-60°)	5219.8	37.7			
FH	(60°-80°)	6108.6	44.1			G3/7500
FVH	(80°-90°)	192.6	1.4			G2/225
BL	(0°-30°)	414.0	3.0	B1/500		
BM	(30°-60°)	945.8	6.8	B1/1000		
BH	(60°-80°)	195.5	1.4	B1/500		G1/500
BVH	(80°-90°)	2.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type IV Short



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REPORT NUMBER: P1203870
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2
2.5°	1916.9	1933.1	1936.2	1941.3	1941.3	1947.3	1957.5	1971.7	1995.0	2007.2	2015.3
5°	1766.8	1779.0	1794.2	1806.4	1829.7	1832.7	1872.3	1910.8	1964.6	2005.2	2033.6
7.5°	1615.7	1629.9	1650.2	1679.6	1710.0	1719.1	1779.0	1843.9	1929.1	2005.2	2052.8
10°	1509.2	1510.2	1528.5	1557.9	1606.6	1617.7	1690.7	1783.0	1889.5	1993.0	2071.1
12.5°	1449.4	1456.5	1464.6	1486.9	1533.5	1540.6	1618.7	1727.3	1850.0	1985.9	2092.4
15°	1449.4	1454.4	1459.5	1470.7	1508.2	1514.3	1583.2	1691.8	1829.7	1988.9	2126.9
17.5°	1464.6	1472.7	1468.6	1481.8	1521.4	1525.4	1586.3	1681.6	1828.7	2008.2	2179.6
20°	1501.1	1507.2	1499.0	1507.2	1546.7	1554.8	1617.7	1700.9	1845.9	2041.7	2245.5
22.5°	1558.9	1561.9	1542.7	1548.7	1589.3	1599.5	1672.5	1755.7	1887.5	2095.4	2333.8
25°	1631.9	1638.0	1608.6	1615.7	1654.2	1666.4	1750.6	1837.8	1953.4	2169.5	2446.4
27.5°	1716.1	1719.1	1693.8	1692.8	1742.5	1759.7	1844.9	1939.2	2041.7	2262.8	2588.3
30°	1812.4	1821.6	1797.2	1793.2	1856.1	1870.3	1954.4	2064.0	2171.5	2402.7	2790.2
32.5°	1888.5	1895.6	1881.4	1891.6	1955.5	1966.6	2087.3	2240.5	2375.4	2601.5	3065.0
35°	1998.1	2002.1	1969.7	1987.9	2060.9	2089.3	2268.9	2487.9	2632.0	2851.0	3424.1
37.5°	2394.6	2394.6	2256.7	2166.4	2236.4	2261.8	2517.3	2799.3	2948.4	3185.7	3876.4
40°	2943.3	2934.2	2732.4	2547.8	2538.6	2588.3	2871.3	3191.8	3357.1	3587.4	4385.6
42.5°	3528.5	3514.3	3239.5	3056.9	3026.5	3043.7	3280.1	3675.6	3844.0	4077.3	4933.3
45°	4047.8	4043.8	3792.2	3546.8	3492.0	3546.8	3790.2	4241.6	4362.3	4607.7	5479.9
47.5°	4482.9	4482.9	4299.4	4139.1	4110.7	4143.2	4480.9	4869.4	4858.2	5172.6	6012.4
50°	4984.0	4979.9	4805.5	4736.5	4765.9	4811.6	5276.1	5530.7	5371.4	5727.4	6488.1
52.5°	5334.9	5359.3	5299.4	5288.3	5438.4	5517.5	6083.4	6177.7	5830.9	6253.8	6844.1
55°	5612.8	5641.2	5710.2	5788.3	6077.3	6180.8	6865.4	6791.4	6215.3	6710.2	7049.0
57.5°	6006.3	5965.8	6072.3	6226.4	6694.0	6818.7	7623.0	7370.5	6524.6	7080.4	7071.3
60°	6484.0	6490.1	6508.4	6703.1	7309.6	7469.9	8369.5	7918.2	6723.4	7307.6	6823.8
62.5°	7058.1	7067.2	7104.8	7404.0	8136.2	8287.4	9164.7	8366.5	6814.7	7243.7	6184.8
65°	7018.6	7057.1	7476.0	8499.3	9392.9	9542.0	10092.7	8680.9	6676.8	6659.5	5035.7
67.5°	6393.8	6456.7	7157.5	9807.7	11287.5	11453.8	11214.5	8742.8	6081.4	5178.7	3285.1
70°	5574.3	5596.6	6439.4	10984.2	13481.3	13649.7	12218.6	8062.2	4614.8	2888.6	1471.7
72.5°	4353.1	4358.2	5347.1	11257.1	14672.0	14681.1	11430.5	5985.0	2481.8	1109.6	511.2
75°	3109.7	3079.2	3581.3	9129.2	12908.3	13011.7	8569.3	2807.4	948.3	524.4	254.6
77.5°	1667.4	1700.9	2026.5	5414.0	8917.2	9093.7	4675.7	809.4	482.8	357.0	168.4
80°	515.2	543.6	830.7	2478.8	5050.9	5157.4	1733.3	360.1	336.7	254.6	110.6
82.5°	162.3	168.4	387.4	1041.6	2096.4	2145.1	502.0	203.9	230.2	168.4	64.9
85°	46.7	47.7	172.4	388.5	518.3	528.4	141.0	79.1	131.9	104.5	33.5
87.5°	5.1	16.2	64.9	64.9	45.6	44.6	15.2	17.2	37.5	13.2	6.1
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: P1203870
CATALOG NUMBER: GWC-SB2D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2	2006.2
2.5°	2010.2	2011.2	1998.1	1975.7	1951.4	1931.1	1905.8	1885.5	1871.3	1867.2	1874.3
5°	2024.4	2017.3	1979.8	1911.8	1830.7	1760.7	1682.6	1620.8	1580.2	1562.9	1569.0
7.5°	2045.7	2025.4	1943.3	1809.4	1654.2	1516.3	1376.3	1267.8	1198.8	1164.3	1169.4
10°	2064.0	2023.4	1882.4	1661.3	1424.0	1215.1	1026.4	895.6	822.5	788.1	789.1
12.5°	2081.2	2022.4	1803.3	1485.9	1164.3	908.8	733.3	668.4	648.1	641.0	639.0
15°	2113.7	2025.4	1703.9	1285.0	905.7	686.6	622.7	621.7	625.8	623.8	622.7
17.5°	2158.3	2028.5	1591.3	1072.1	698.8	605.5	602.5	611.6	617.7	614.6	613.6
20°	2216.1	2040.7	1471.7	861.1	600.4	585.2	592.3	600.4	605.5	600.4	599.4
22.5°	2297.3	2062.0	1340.8	691.7	569.0	573.0	579.1	588.3	593.3	586.2	585.2
25°	2396.7	2095.4	1212.0	601.4	553.8	558.8	568.0	578.1	584.2	577.1	576.1
27.5°	2525.5	2149.2	1093.4	581.2	538.6	541.6	554.8	570.0	578.1	569.0	569.0
30°	2712.1	2237.4	990.9	590.3	529.4	522.3	540.6	561.9	571.0	562.9	561.9
32.5°	2959.6	2362.2	928.0	604.5	525.4	500.0	517.3	544.6	559.9	554.8	554.8
35°	3284.1	2551.8	903.7	620.7	522.3	476.7	488.9	518.3	544.6	549.7	549.7
37.5°	3677.6	2815.5	910.8	627.8	513.2	457.4	463.5	488.9	523.3	539.6	543.6
40°	4124.9	3122.8	951.4	620.7	503.1	441.2	442.2	461.5	491.9	516.2	524.4
42.5°	4586.4	3481.9	1026.4	594.3	493.9	427.0	424.0	437.1	457.4	474.7	481.8
45°	5025.6	3851.1	1100.5	557.8	482.8	412.8	405.7	410.8	414.8	421.9	426.0
47.5°	5409.0	4110.7	1079.2	524.4	467.6	396.6	384.4	382.4	370.2	369.2	368.2
50°	5673.7	4167.5	958.5	490.9	445.3	378.3	359.0	346.9	325.6	315.4	316.4
52.5°	5757.8	3943.4	783.0	457.4	408.7	354.0	326.6	307.3	280.9	271.8	270.8
55°	5646.3	3504.2	625.8	416.9	358.0	321.5	291.1	265.7	244.4	233.3	233.3
57.5°	5373.5	2945.4	494.9	369.2	304.3	285.0	254.6	229.2	211.0	199.8	197.8
60°	4921.1	2338.8	391.5	312.4	259.6	245.4	214.0	197.8	181.5	168.4	165.3
62.5°	4234.5	1669.4	307.3	247.5	217.0	200.8	182.6	170.4	151.1	132.9	129.8
65°	3304.4	1021.3	237.3	181.5	174.4	166.3	155.2	144.0	120.7	102.4	99.4
67.5°	2084.3	483.8	169.4	136.9	137.9	133.9	128.8	119.7	102.4	86.2	84.2
70°	917.9	234.3	111.6	104.5	102.4	102.4	106.5	103.5	87.2	72.0	69.0
72.5°	*312.4*	*125.8*	*83.2*	*79.1*	*74.0*	*73.0*	*89.3*	*86.2*	*70.0*	*55.8*	*52.7*
75°	163.3	84.2	60.9	56.8	44.6	53.8	71.0	66.9	49.7	36.5	33.5
77.5°	106.5	59.8	41.6	36.5	25.4	35.5	52.7	46.7	29.4	18.3	16.2
80°	66.9	39.6	24.3	17.2	12.2	19.3	28.4	20.3	11.2	4.1	3.0
82.5°	35.5	20.3	9.1	6.1	5.1	6.1	7.1	5.1	2.0	0.0	0.0
85°	14.2	7.1	3.0	2.0	1.0	0.0	2.0	1.0	0.0	0.0	0.0
87.5°	5.1	1.0	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

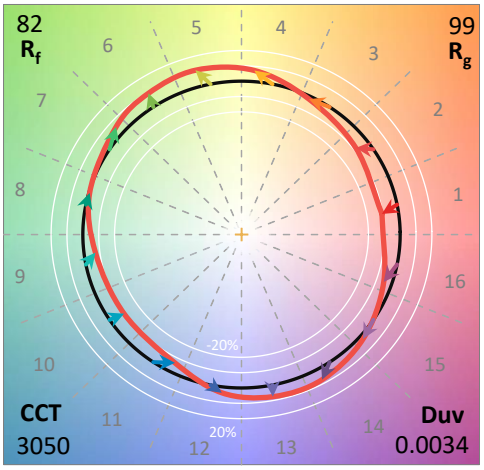
Test Information

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

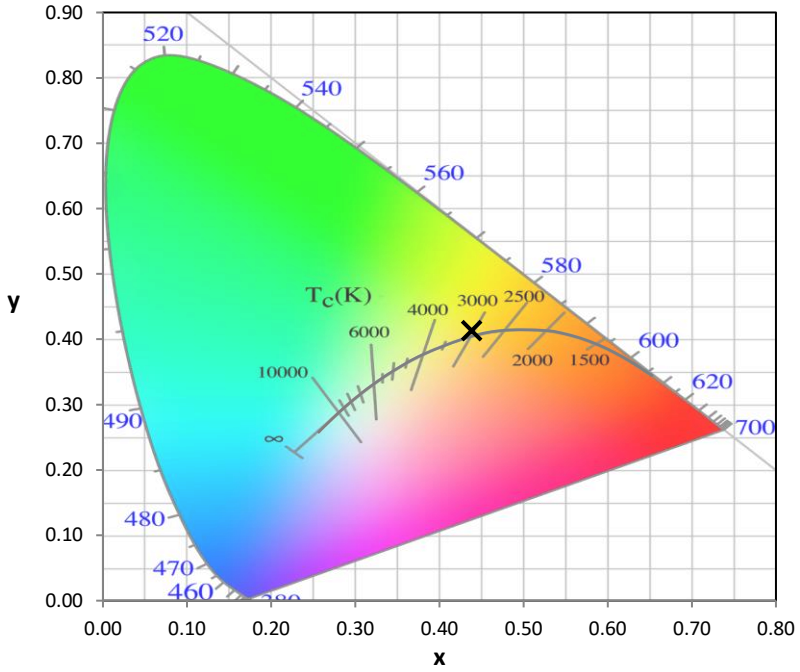
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

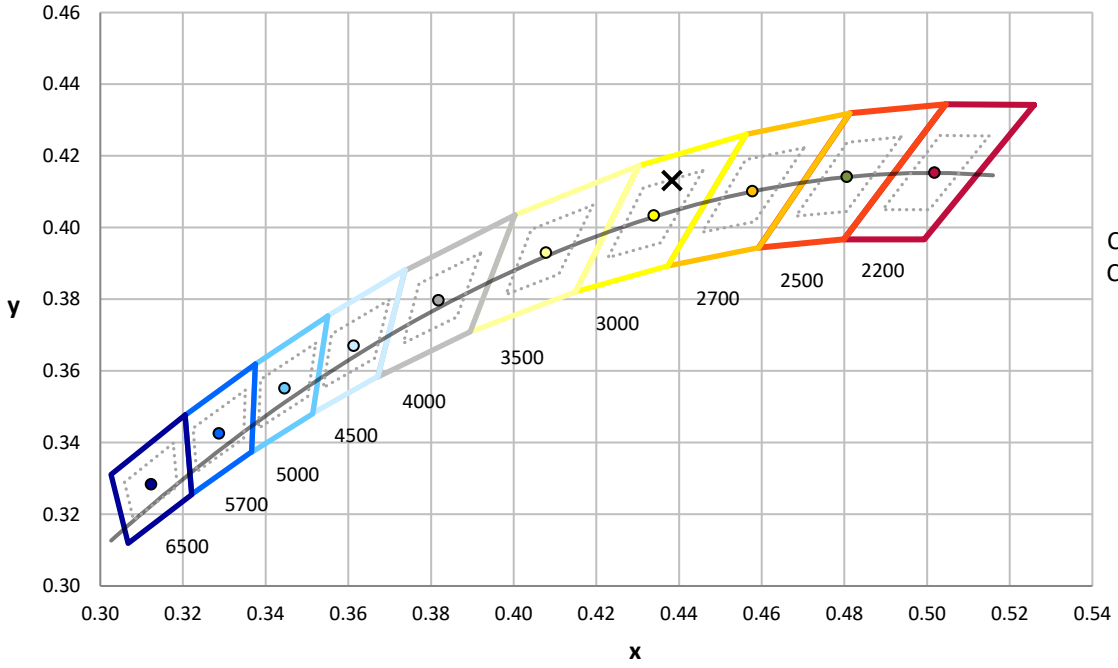
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

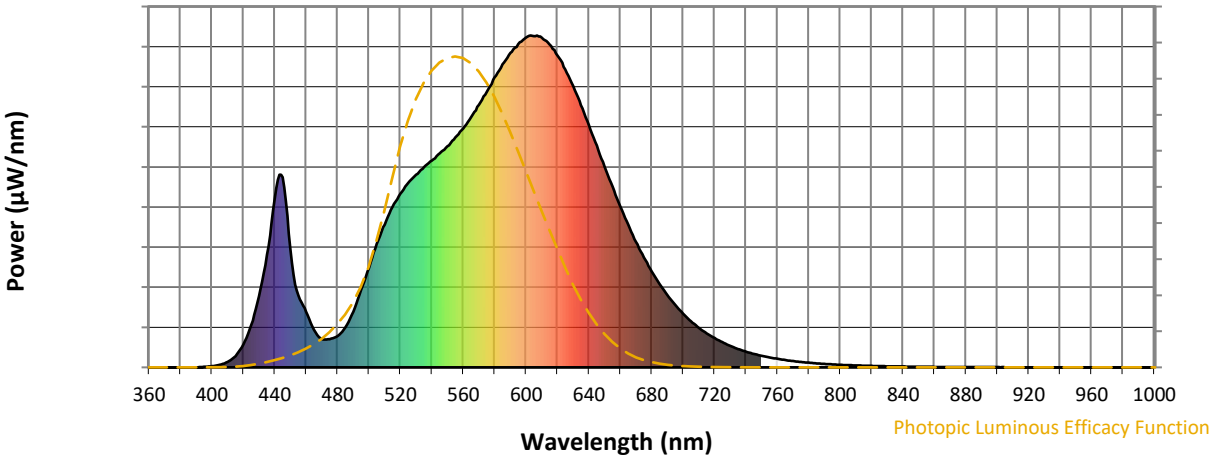


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

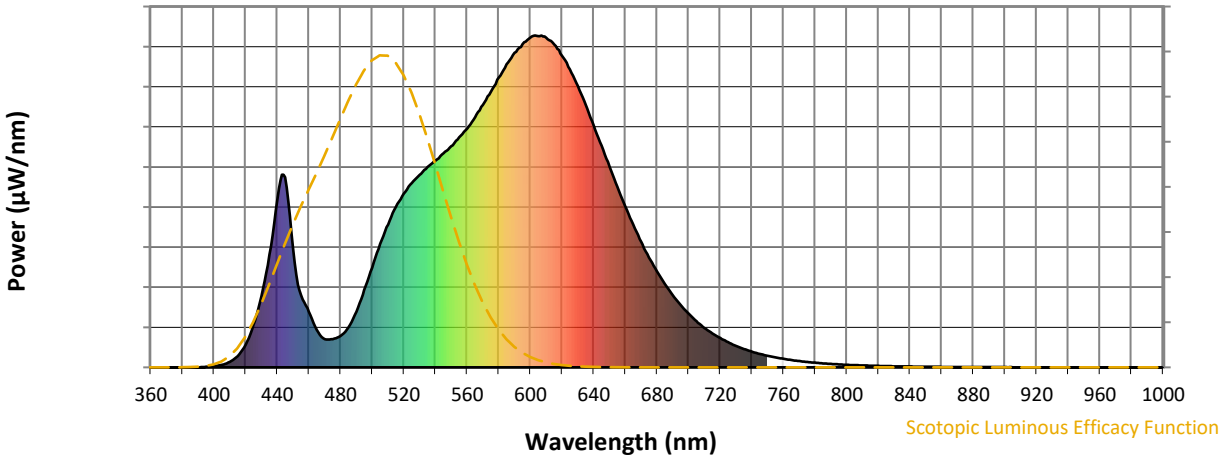


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength

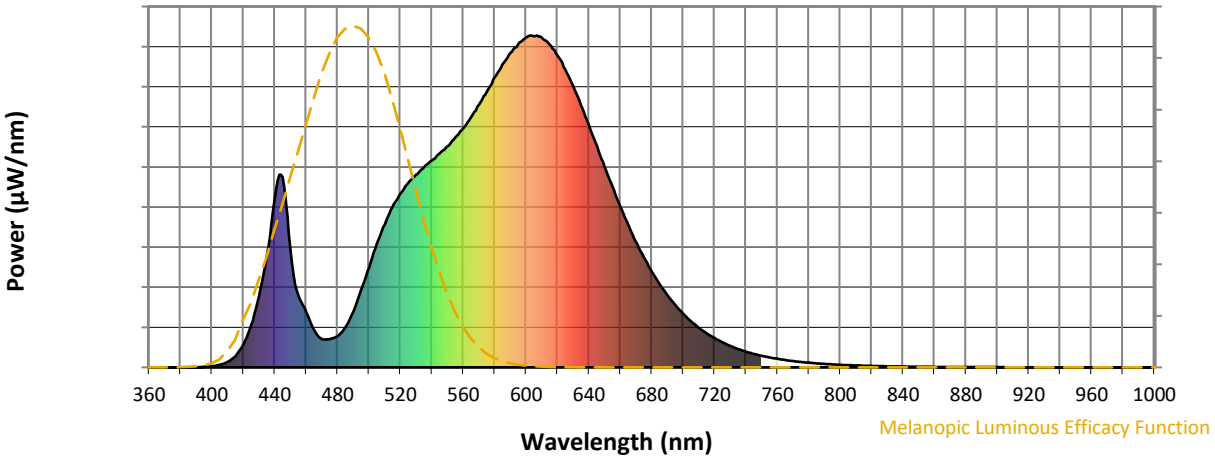


Scotopic Lumens: NR **S/P: 1.27**

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			

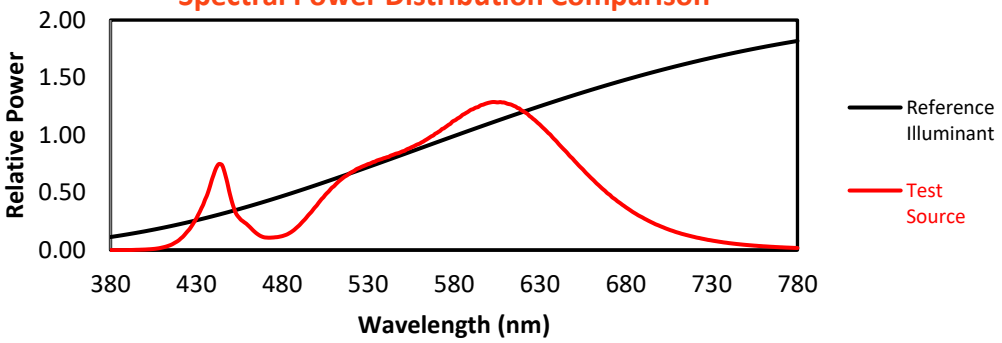
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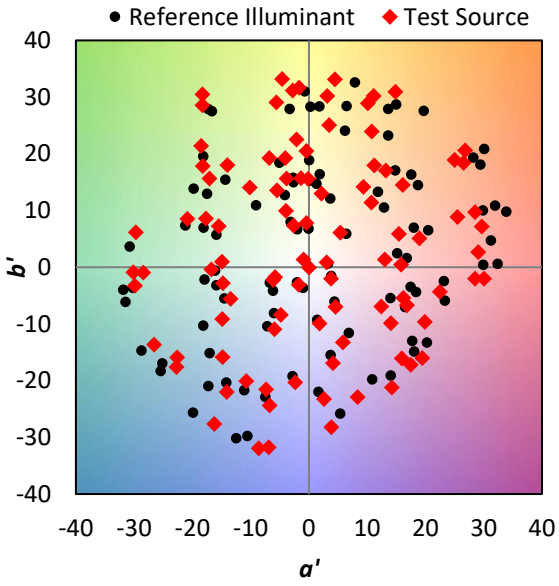
Summary

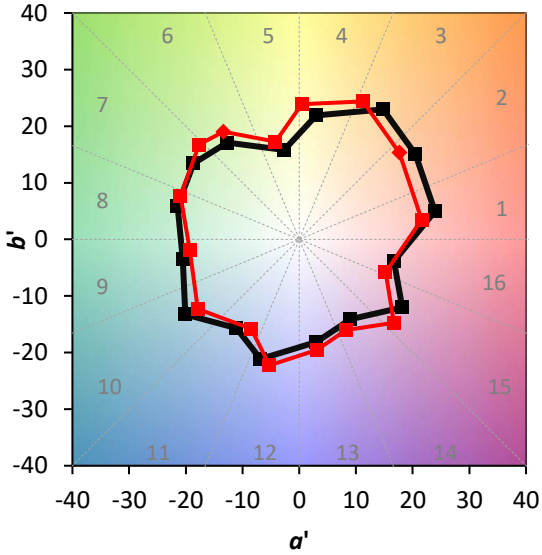
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

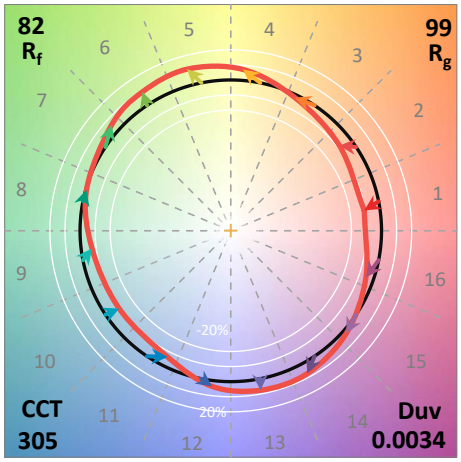
Spectral Power Distribution Comparison

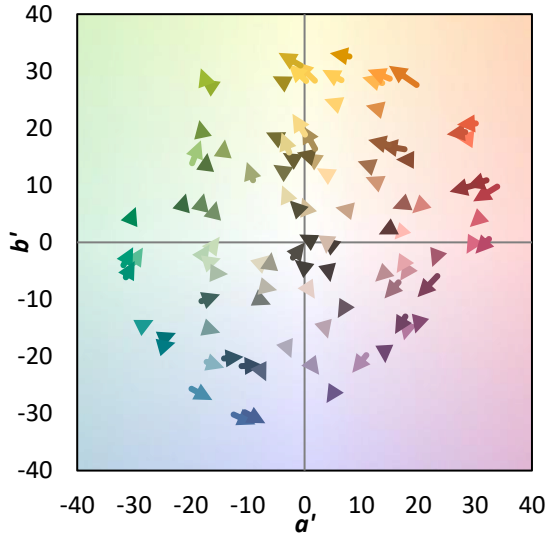


Color Vector Graphics







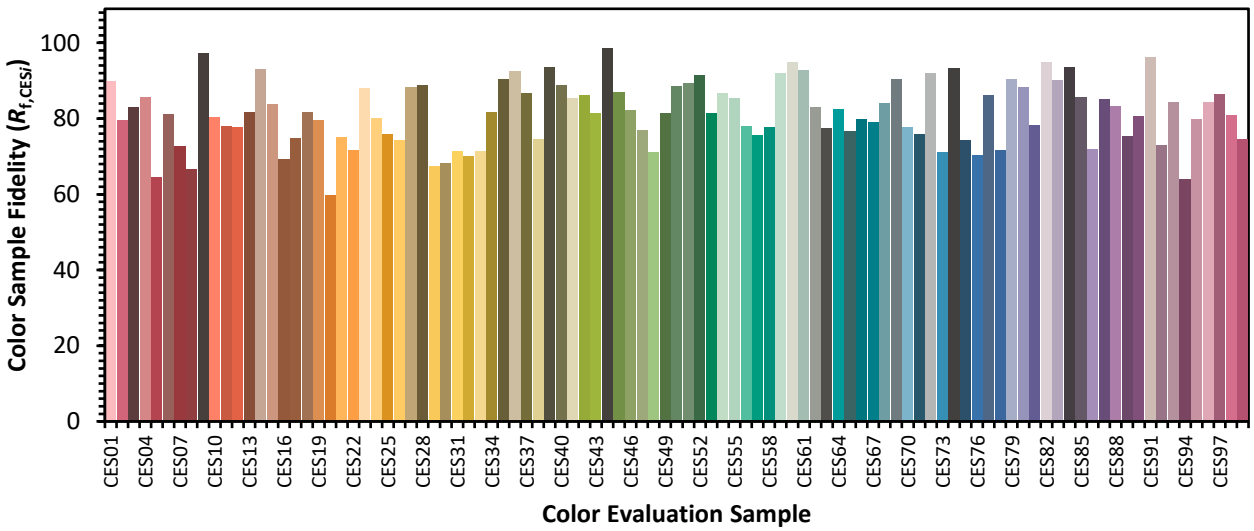


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Individual Sample Fidelity Index ($R_{f,i}$)

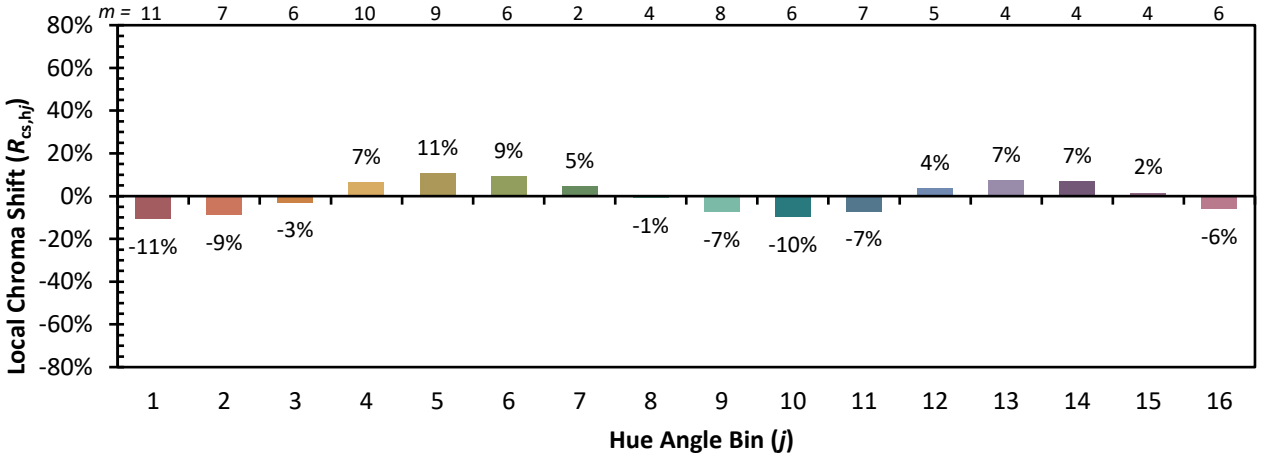
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CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57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

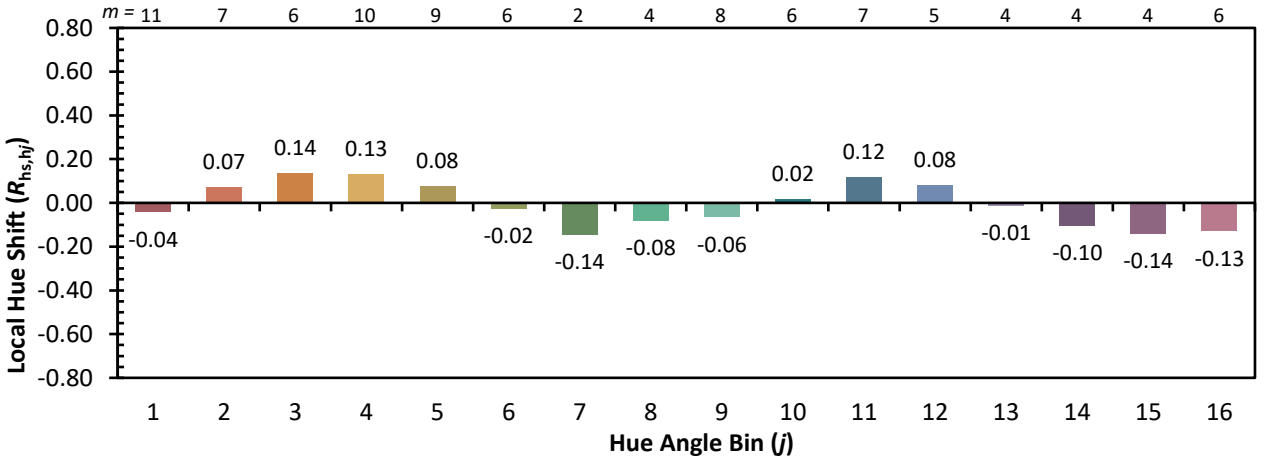


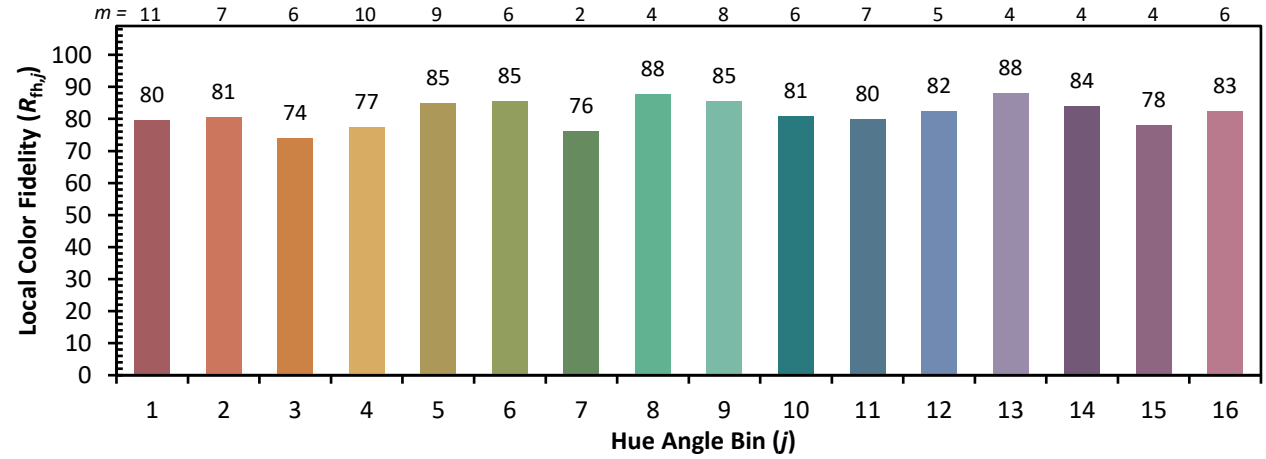
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Color Rendition by Hue-Angle Bin



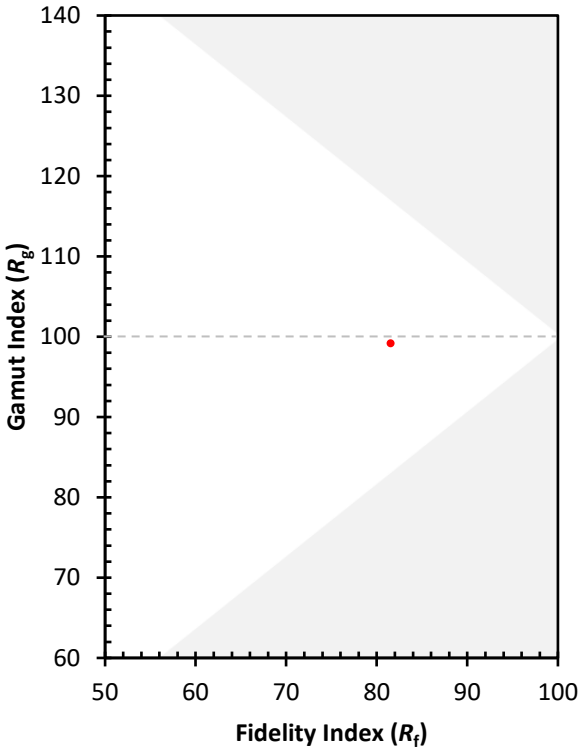


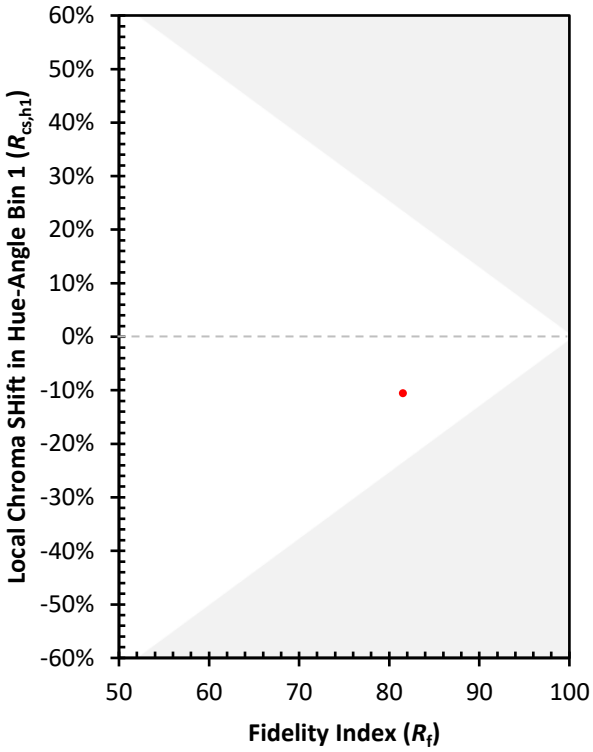


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Measure Comparisons





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