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: P1203872

Luminaire Tested: GWC-SB2D-830-U-T4W-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:	P1203872
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-830-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14082 lumens
Efficiency:	N/A
Efficacy:	95.4 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

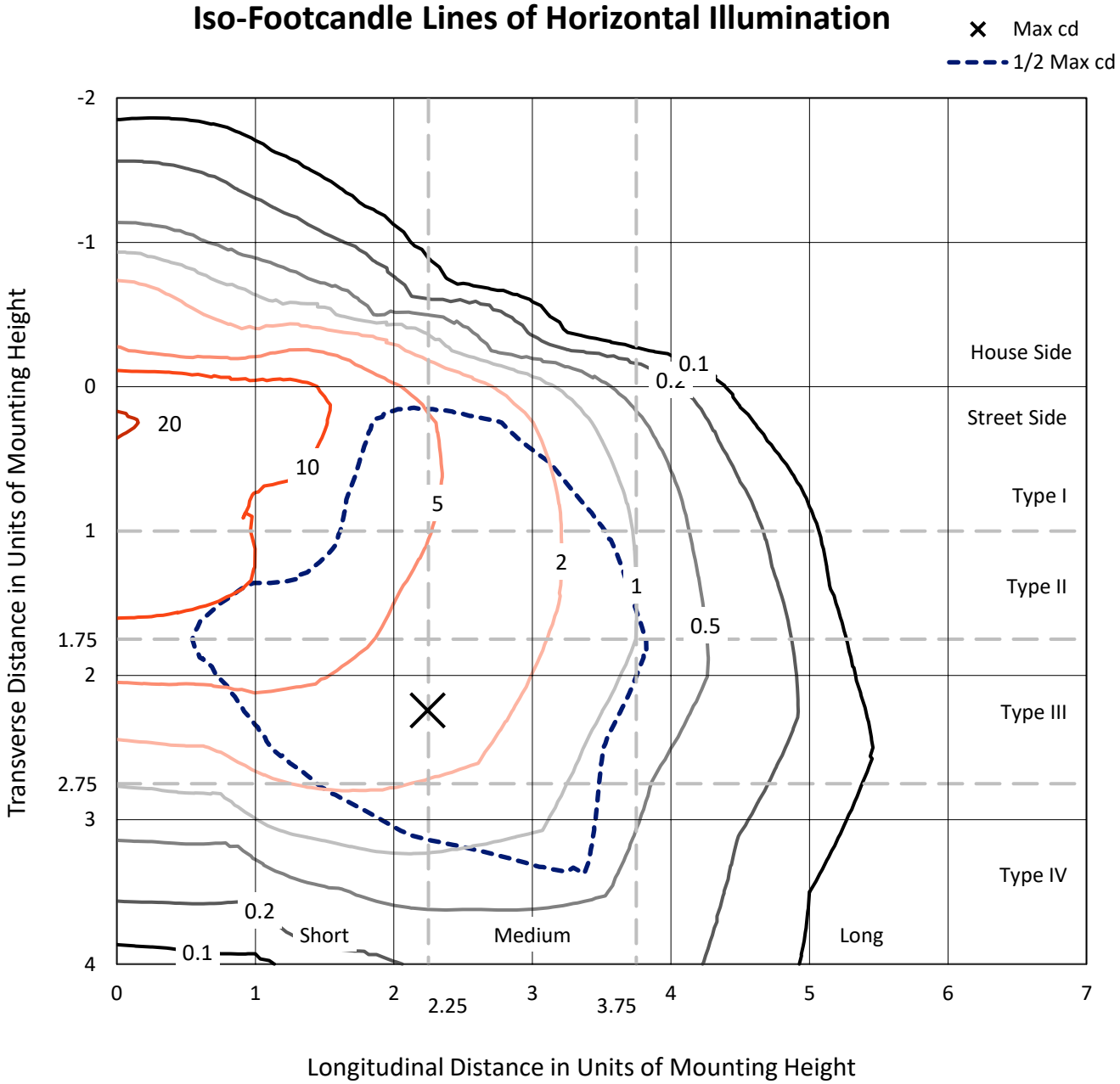


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REPORT NUMBER: P1203872
CATALOG NUMBER: GWC-SB2D-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



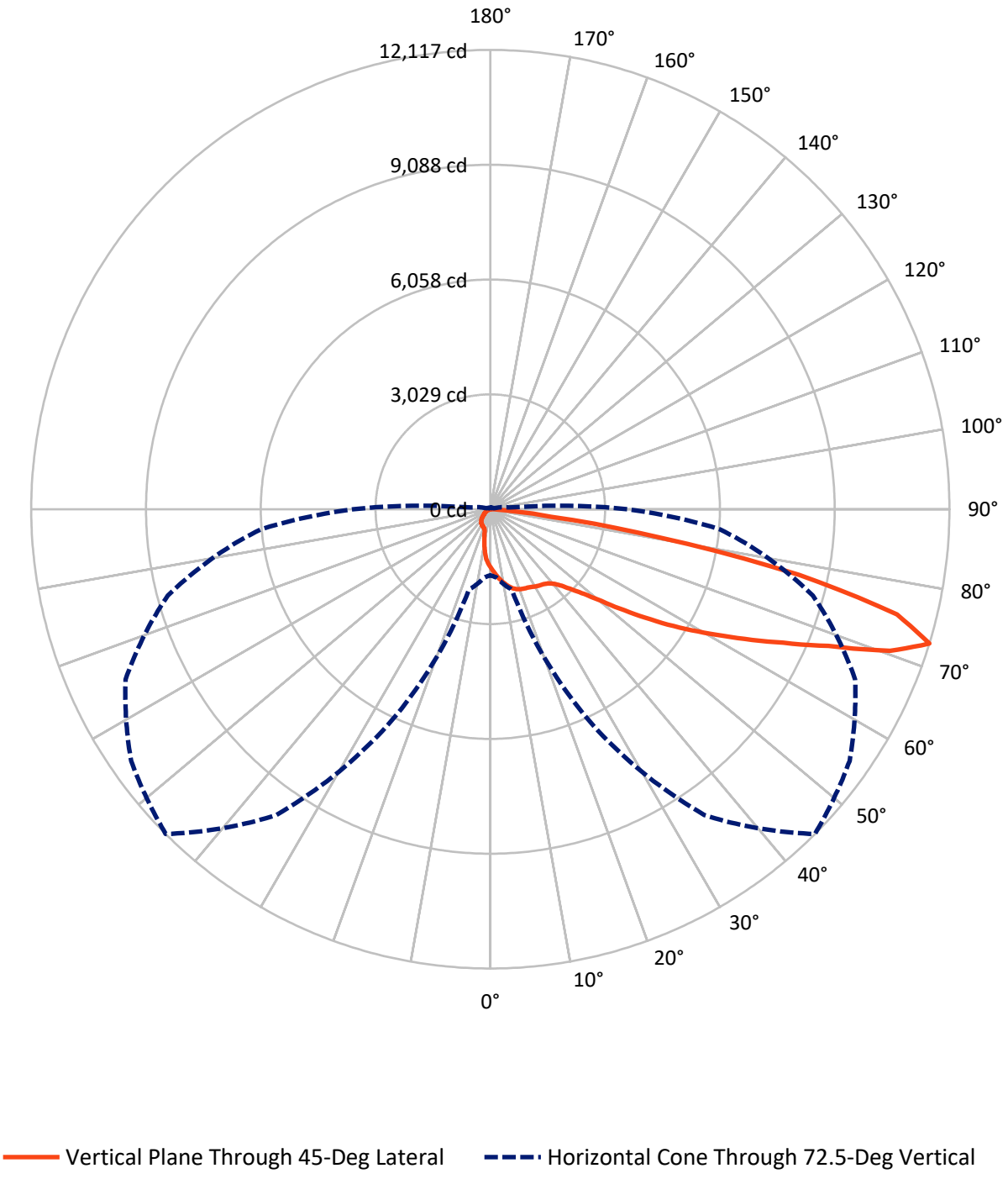
Based on 10 foot mounting height. Maximum calculated value = 26.6 fc
Type IV - Short - N/A

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REPORT NUMBER: P1203872
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Luminous Intensity Polar Plot



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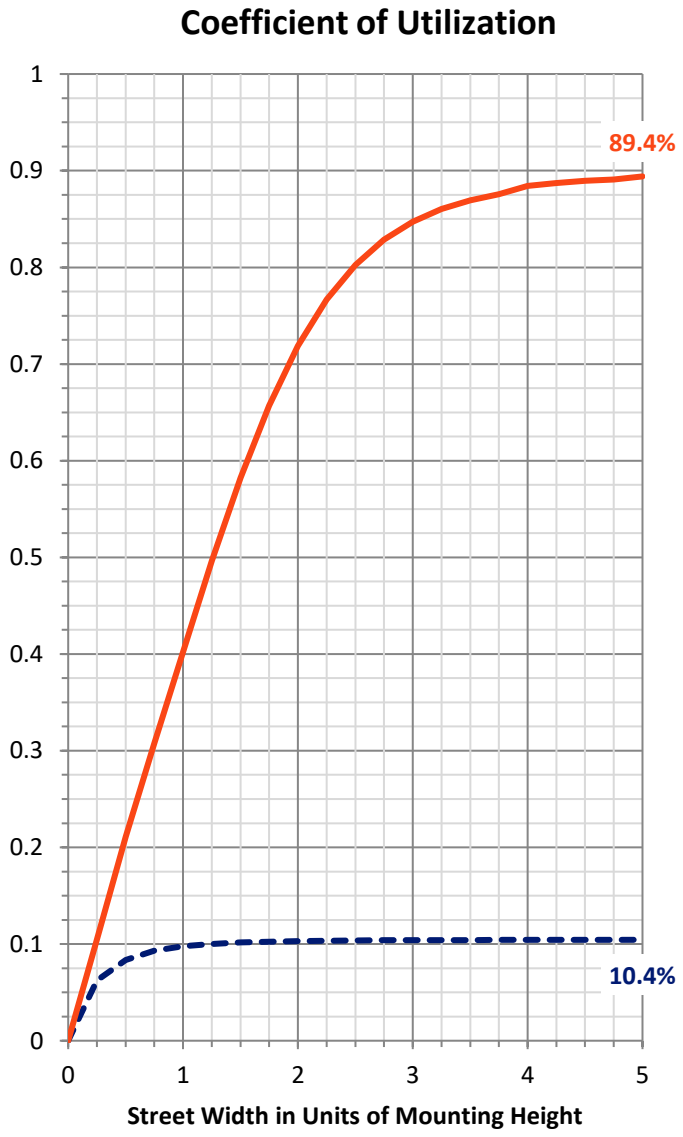
REPORT NUMBER: P1203872
CATALOG NUMBER: GWC-SB2D-830-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1479.6	0.0	1479.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	12602.4	0.0	12602.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	14082.0	0.0	14082.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	1.0
10°-20°	424.8	3.0
20°-30°	697.6	5.0
30°-40°	989.4	7.0
40°-50°	1635.3	11.6
50°-60°	2937.7	20.9
60°-70°	4079.1	29.0
70°-80°	2958.9	21.0
80°-90°	213.9	1.5
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°	14082.0	100.0
0°-180°	14082.0	100.0



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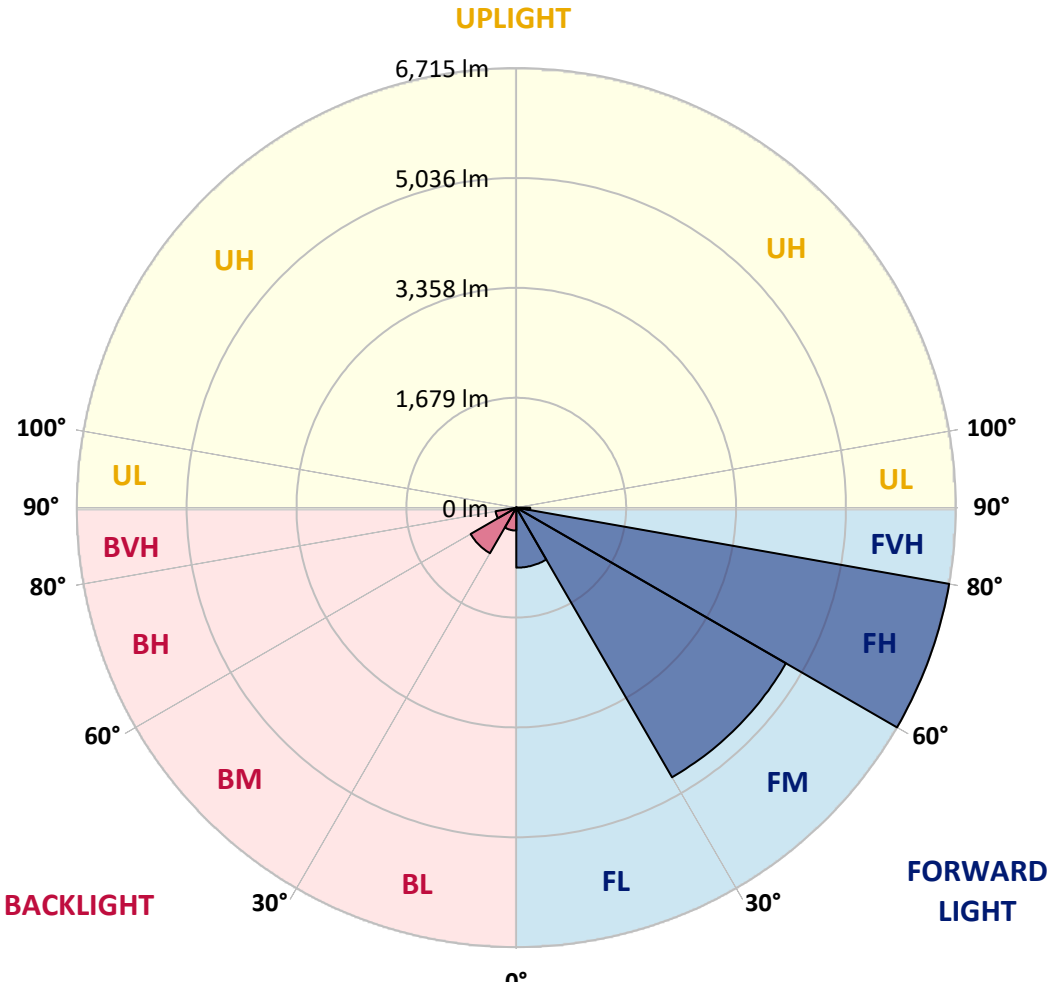
Scaled Data Report

REPORT NUMBER: P1203872
CATALOG NUMBER: GWC-SB2D-830-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	917.3	6.5			
FM	(30°-60°)	4757.7	33.8			
FH	(60°-80°)	6715.3	47.7			G3/7500
FVH	(80°-90°)	212.1	1.5			G2/225
BL	(0°-30°)	350.5	2.5	B1/500		
BM	(30°-60°)	804.7	5.7	B1/1000		
BH	(60°-80°)	322.7	2.3	B1/500		G1/500
BVH	(80°-90°)	1.8	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1542.7	1542.7	1542.7	1542.7	1542.7	*1542.7*	1542.7	1542.7	1542.7	1542.7	1542.7
2.5°	1685.0	1687.9	1685.9	1674.4	1655.2	*1644.6*	1638.8	1619.6	1607.1	1585.0	1561.9
5°	1839.7	1851.3	1844.5	1821.5	1784.9	*1759.0*	1751.3	1711.9	1676.3	1635.0	1586.9
7.5°	2004.1	2009.9	1997.4	1967.6	1918.5	*1874.3*	1867.6	1812.8	1756.1	1692.7	1627.3
10°	2146.3	2153.1	2133.8	2090.6	2034.8	*1980.1*	1970.4	1909.9	1842.6	1764.7	1681.1
12.5°	2265.5	2272.3	2247.3	2195.4	2133.8	*2077.1*	2067.5	2004.1	1930.1	1843.6	1739.8
15°	2355.9	2368.4	2334.7	2279.0	2212.7	*2156.0*	2151.1	2088.7	2016.6	1920.5	1809.9
17.5°	2408.7	2421.2	2389.5	2322.2	2265.5	*2217.5*	2211.7	2159.8	2092.5	2000.2	1878.2
20°	2417.4	2428.9	2395.3	2336.7	2289.6	*2251.1*	2248.2	2210.7	2161.7	2073.3	1952.2
22.5°	2391.4	2405.9	2375.1	2328.0	2295.3	*2275.1*	2271.3	2250.2	2222.3	2147.3	2021.4
25°	2364.5	2376.1	2353.0	2311.7	2294.4	*2292.4*	2295.3	2291.5	2285.7	2222.3	2102.1
27.5°	2362.6	2375.1	2349.2	2309.7	2300.1	*2320.3*	2323.2	2341.5	2346.3	2290.5	2180.0
30°	2379.0	2387.6	2362.6	2321.3	2316.5	*2362.6*	2363.6	2396.3	2403.9	2348.2	2256.9
32.5°	2414.5	2424.1	2399.1	2338.6	2331.9	*2396.3*	2399.1	2442.4	2454.9	2409.7	2337.6
35°	2498.1	2509.7	2480.8	2386.6	2362.6	*2428.0*	2436.6	2487.6	2512.6	2475.1	2421.2
37.5°	2706.7	2673.1	2633.7	2483.7	2432.8	*2478.0*	2492.4	2552.0	2596.2	2552.9	2521.2
40°	3224.8	3119.1	2996.0	2649.0	2555.8	*2584.6*	2596.2	2655.8	2716.3	2674.0	2658.7
42.5°	4002.4	3877.4	3679.4	3029.7	2741.3	*2755.7*	2764.4	2816.3	2901.8	2868.2	2872.0
45°	4695.4	4650.2	4448.4	3679.4	3088.3	*3017.2*	3027.8	3054.7	3180.6	3168.1	3193.1
47.5°	5227.9	5202.0	5046.3	4425.3	3674.6	*3337.3*	3367.1	3379.6	3561.2	3605.4	3672.7
50°	5637.4	5627.8	5488.4	5088.6	4440.7	*3809.2*	3819.8	3792.9	4064.9	4174.5	4302.3
52.5°	6023.8	6056.5	5953.6	5704.7	5258.7	*4427.3*	4425.3	4298.5	4665.6	4831.0	5049.1
55°	6372.7	6384.2	6394.8	6333.3	6081.5	*5130.8*	5112.6	4905.0	5362.5	5533.6	5770.0
57.5°	6700.5	6705.3	6799.5	6925.4	6937.9	*5886.3*	5852.7	5603.7	6123.8	6245.8	6391.0
60°	6920.6	6942.7	7141.7	7491.5	7644.4	*6665.9*	6647.6	6393.8	6898.5	6955.2	6928.3
62.5°	6603.4	6738.0	7239.7	7933.7	8311.4	*7530.0*	7521.3	7283.0	7713.6	7667.4	7436.7
65°	5345.2	5573.0	6455.4	8232.6	8966.0	*8495.0*	8507.5	8253.8	8550.8	8400.8	7850.1
67.5°	3739.0	3979.3	5023.2	8256.6	9697.5	*9628.3*	9700.3	9302.4	9439.9	9103.4	7948.1
70°	2585.6	2709.6	3389.2	7739.5	10267.5	*11189.2*	11187.3	10590.4	10324.2	9423.5	7448.3
72.5°	*1738.8*	*1803.2*	*2201.1*	*6140.1*	*9848.4*	*12116.8*	*12061.0*	*11574.7*	*10622.1*	*8813.2*	*6085.3*
75°	733.4	780.5	1018.9	3450.7	7791.4	*11085.4*	10934.5	10229.0	9437.9	6939.8	3796.7
77.5°	232.6	252.8	401.8	1235.1	4291.7	*8332.6*	8173.0	6388.1	6325.6	3481.4	1388.0
80°	110.5	128.8	225.9	496.0	1688.8	*4532.0*	4509.9	2898.0	2721.1	940.0	278.7
82.5°	48.1	56.7	125.0	265.3	755.5	*1616.7*	1649.4	986.2	816.1	356.6	85.5
85°	15.4	20.2	57.7	122.1	319.1	*401.8*	397.0	234.5	328.7	194.2	29.8
87.5°	0.0	0.0	19.2	27.9	32.7	*23.1*	26.0	20.2	91.3	53.8	10.6
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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REPORT NUMBER: P1203872
CATALOG NUMBER: GWC-SB2D-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7
2.5°	1550.4	1535.0	1508.1	1483.1	1461.0	1438.9	1425.4	1406.2	1404.3	1404.3	1409.1
5°	1561.0	1536.0	1487.9	1437.0	1378.3	1322.6	1266.9	1213.0	1195.7	1183.2	1189.0
7.5°	1591.7	1552.3	1476.4	1379.3	1267.8	1145.7	1060.2	967.9	932.4	913.1	916.0
10°	1635.9	1582.1	1466.8	1296.6	1115.9	949.7	827.6	727.6	689.2	672.8	672.8
12.5°	1685.0	1618.6	1449.5	1193.8	949.7	750.7	631.5	585.4	579.6	579.6	579.6
15°	1743.6	1662.9	1419.7	1072.7	775.7	594.0	551.7	553.6	559.4	563.3	563.3
17.5°	1804.2	1710.0	1372.6	937.2	621.9	534.4	535.4	538.3	543.1	546.9	546.9
20°	1869.5	1757.1	1310.1	793.0	533.5	517.1	520.0	522.9	526.7	528.7	529.6
22.5°	1939.7	1801.3	1236.1	651.7	503.7	502.7	503.7	506.5	511.4	511.4	513.3
25°	2014.7	1850.3	1151.5	548.8	488.3	488.3	490.2	492.1	496.0	496.0	496.9
27.5°	2091.6	1895.5	1062.1	495.0	474.8	473.9	473.9	476.8	478.7	479.6	480.6
30°	2176.1	1948.3	972.7	483.5	464.3	459.4	456.6	458.5	460.4	461.4	463.3
32.5°	2262.6	1999.3	892.9	488.3	453.7	445.0	435.4	433.5	433.5	437.3	440.2
35°	2358.8	2055.0	831.4	504.6	447.9	423.9	408.5	399.9	400.8	406.6	409.5
37.5°	2474.1	2122.3	786.3	519.0	444.1	399.9	374.9	364.3	357.6	364.3	362.4
40°	2625.0	2221.3	753.6	530.6	439.3	372.0	338.3	321.0	308.5	312.4	310.5
42.5°	2847.1	2377.0	741.1	531.5	428.7	339.3	300.9	277.8	259.5	260.5	256.6
45°	3158.5	2623.1	805.5	519.0	405.6	303.7	261.4	230.7	219.2	216.3	212.4
47.5°	3585.2	2981.6	954.5	493.1	372.0	269.1	223.0	197.0	188.4	183.6	180.7
50°	4157.2	3442.0	1119.8	464.3	338.3	236.5	191.3	174.9	169.2	164.4	163.4
52.5°	4820.4	3909.2	1255.3	435.4	304.7	207.6	171.1	161.5	156.7	152.8	151.9
55°	5428.8	4231.2	1247.6	404.7	272.0	184.5	156.7	150.9	145.1	141.3	139.4
57.5°	5807.5	4276.3	1028.5	371.0	234.5	166.3	143.2	139.4	132.6	127.8	126.9
60°	5981.5	4018.7	720.9	326.8	197.0	149.0	128.8	126.9	118.2	111.5	109.6
62.5°	6013.2	3540.1	480.6	272.0	164.4	132.6	114.4	111.5	100.0	88.4	82.7
65°	5884.4	2855.7	332.6	212.4	140.3	115.3	98.0	92.3	79.8	68.2	64.4
67.5°	5476.9	2005.0	231.6	152.8	119.2	91.3	77.9	75.9	66.3	56.7	53.8
70°	4730.0	1142.9	154.8	114.4	94.2	62.5	61.5	63.4	53.8	46.1	42.3
72.5°	*3626.6*	*522.9*	*96.1*	*83.6*	*64.4*	*42.3*	*49.0*	*50.0*	*41.3*	*34.6*	*30.8*
75°	2134.8	224.0	60.6	53.8	32.7	27.9	35.6	36.5	27.9	22.1	19.2
77.5°	726.7	84.6	38.4	31.7	16.3	15.4	23.1	23.1	15.4	8.7	6.7
80°	165.3	31.7	19.2	12.5	7.7	6.7	7.7	6.7	3.8	1.0	0.0
82.5°	47.1	12.5	7.7	4.8	2.9	2.9	1.0	0.0	0.0	0.0	0.0
85°	13.5	5.8	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.8	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

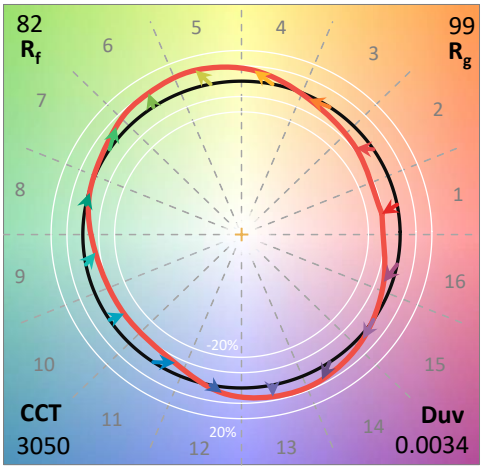
Test Information

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

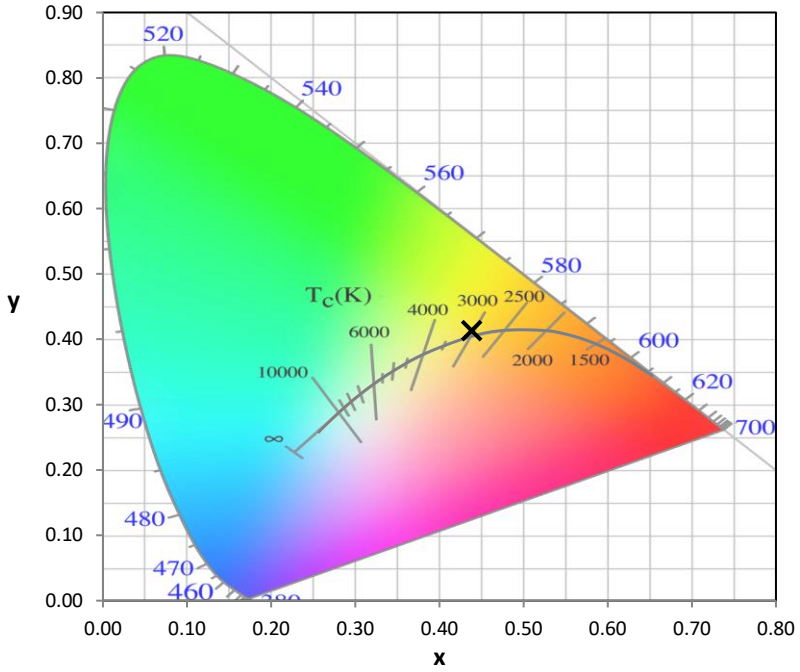
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

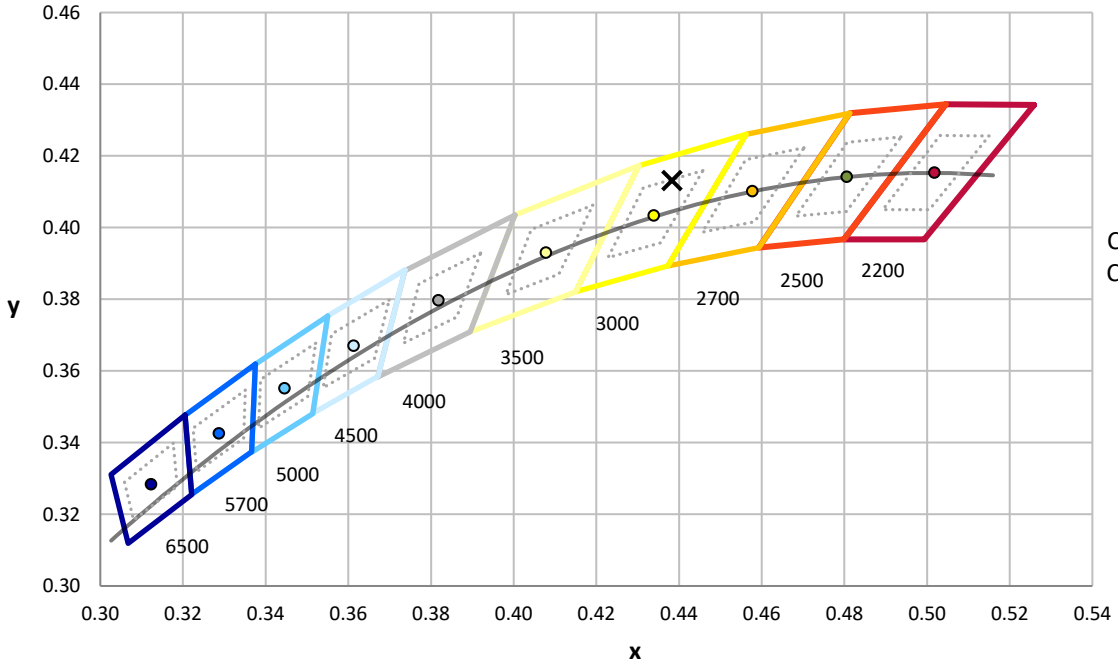
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

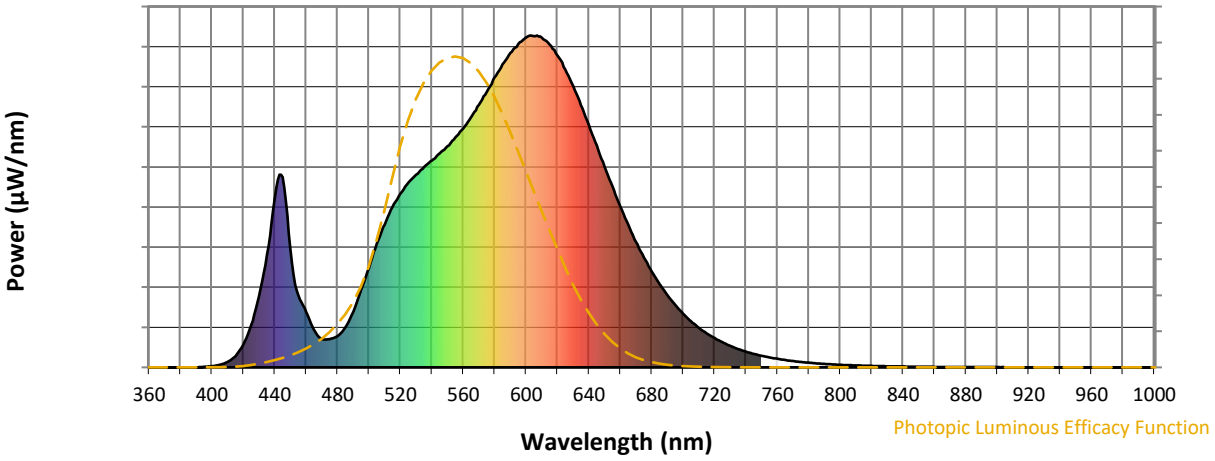


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

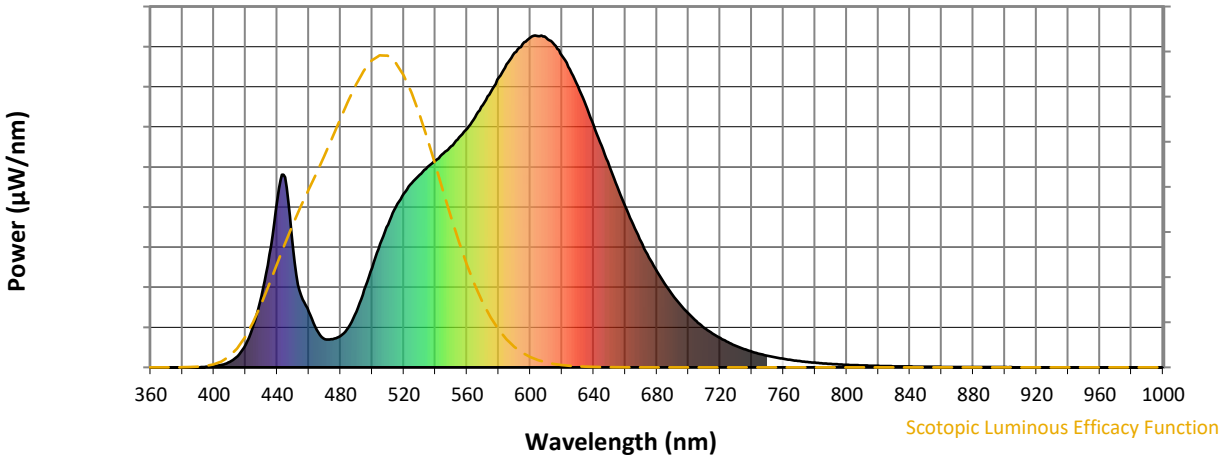


Photopic Lumens: NR

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

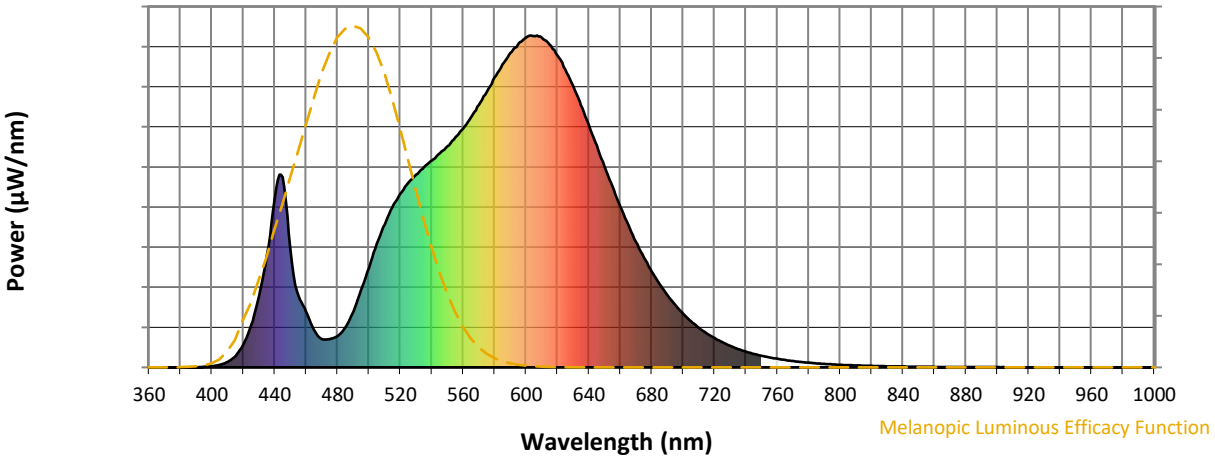


Scotopic Lumens: NR **S/P: 1.27**

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			

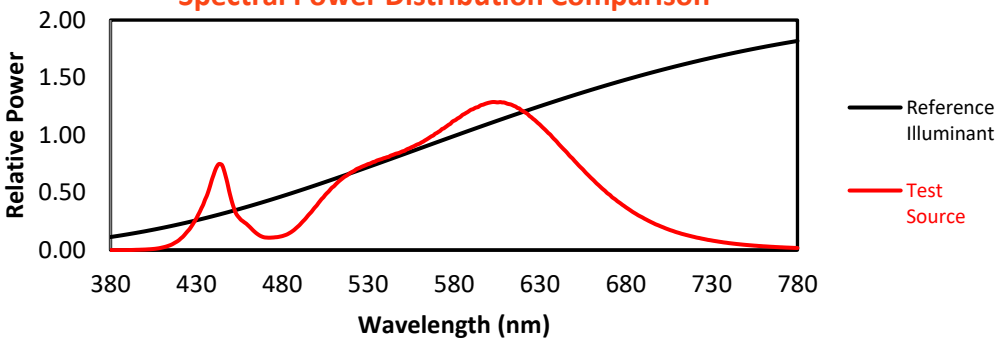
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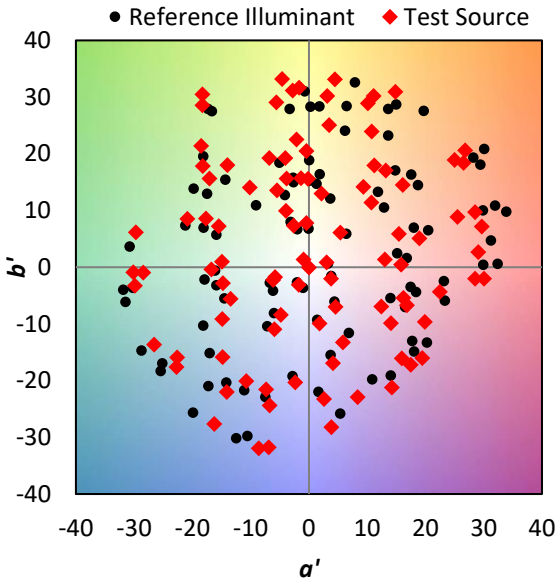
Summary

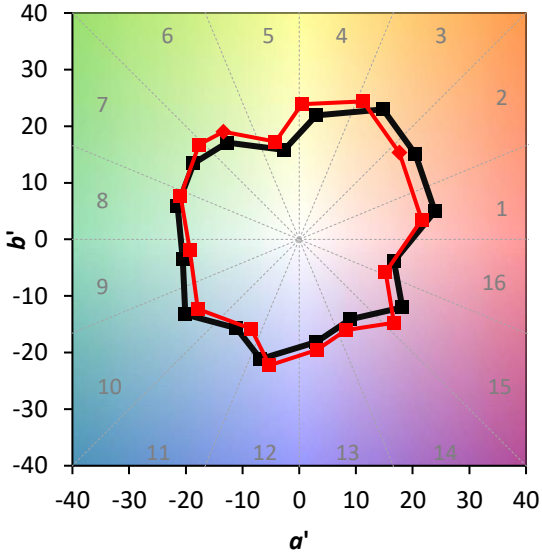
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

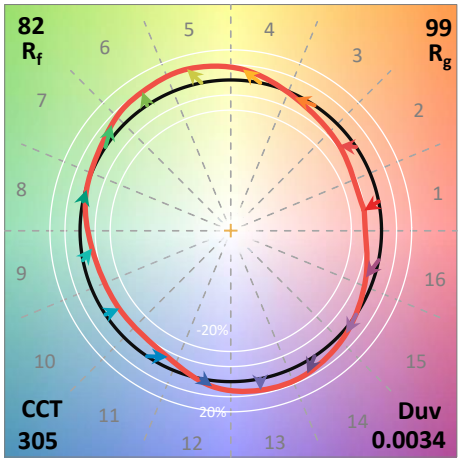
Spectral Power Distribution Comparison

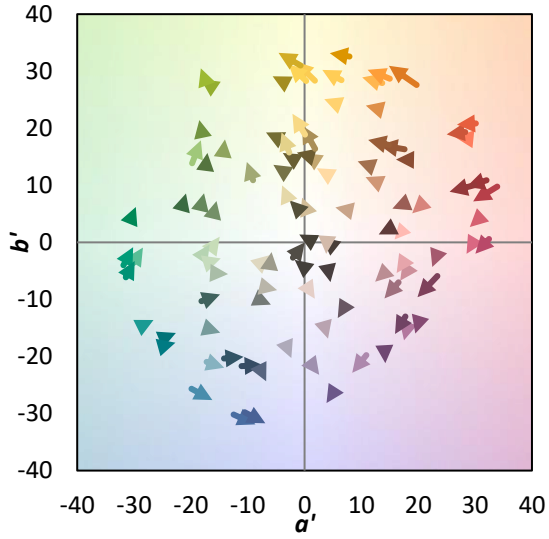


Color Vector Graphics







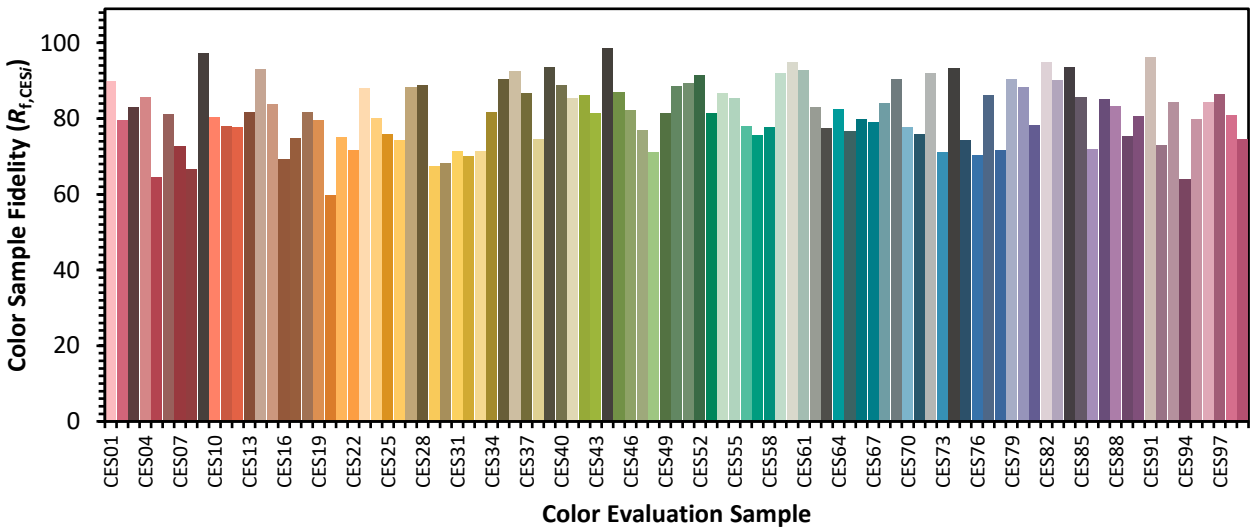


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Individual Sample Fidelity Index ($R_{f,i}$)

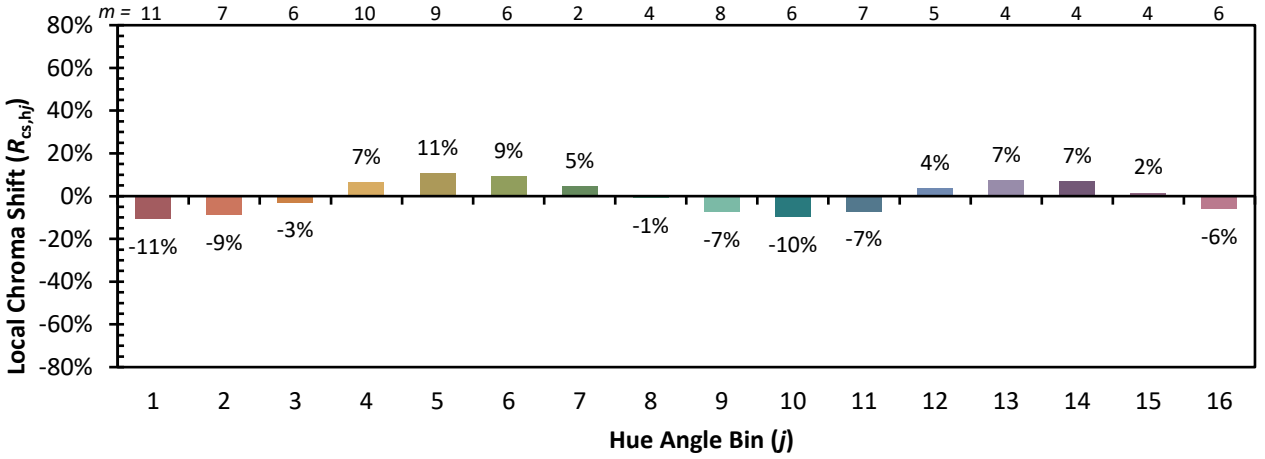
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

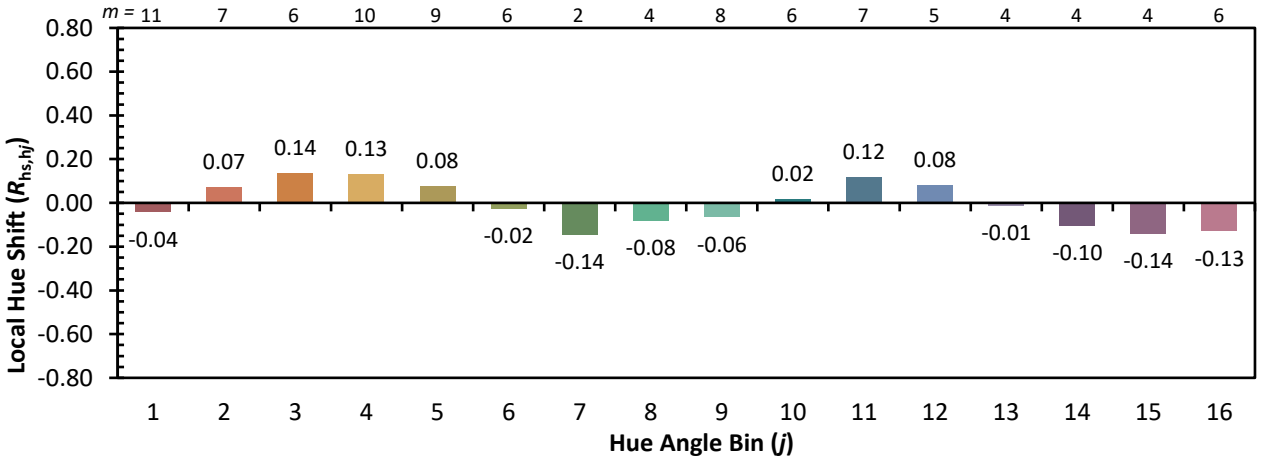


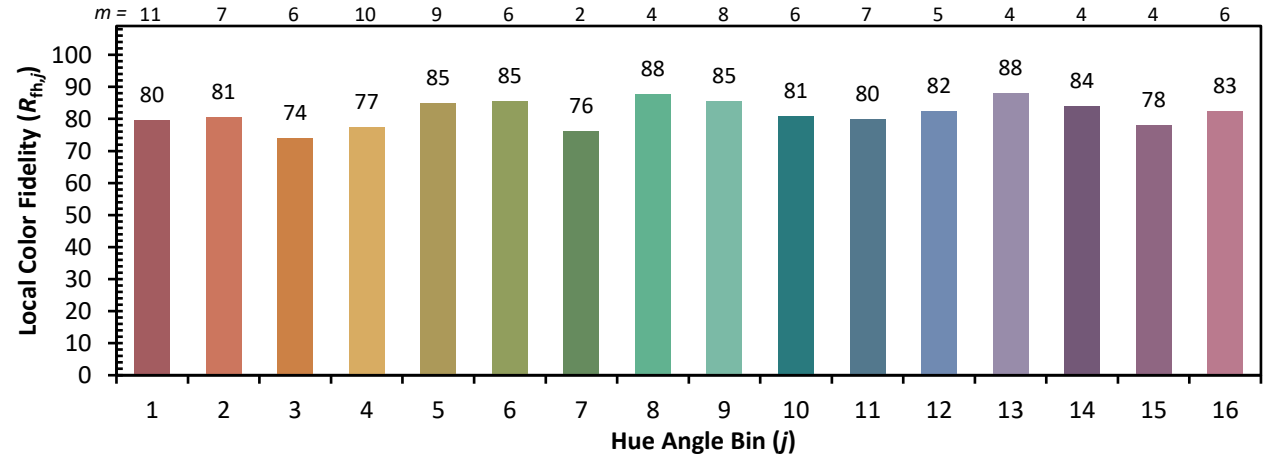
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Color Rendition by Hue-Angle Bin



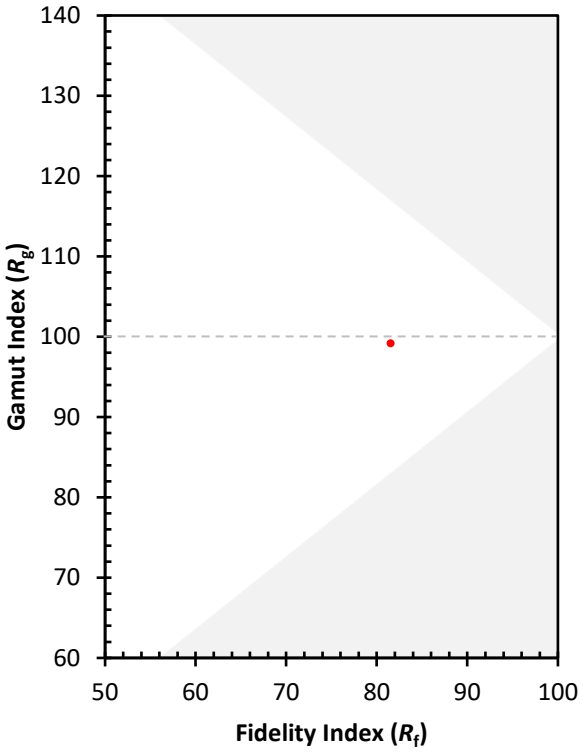


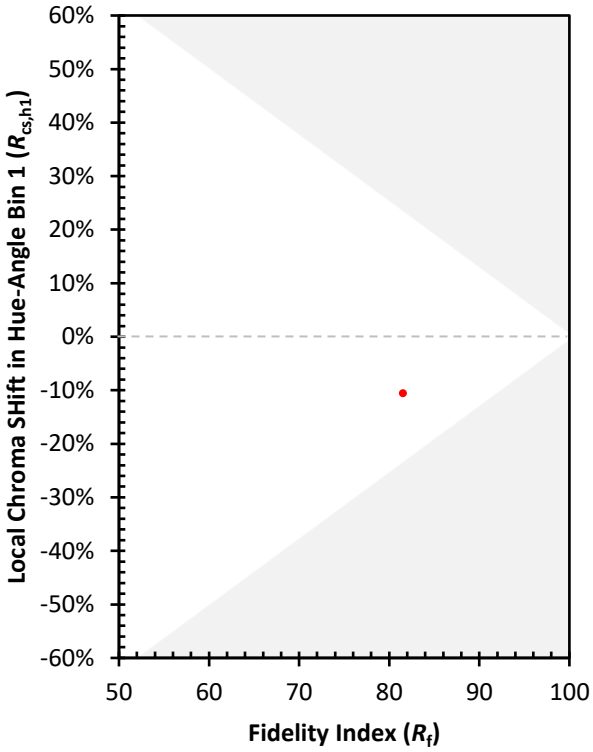


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Measure Comparisons





(END OF REPORT)