Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Peachtree City, GA 30269

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: P1203861

Luminaire Tested: GWC-SB2D-830-U-SL4

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:	P1203861
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-830-U-SL4
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18122 lumens
Efficiency:	N/A
Efficacy:	122.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B3 - 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

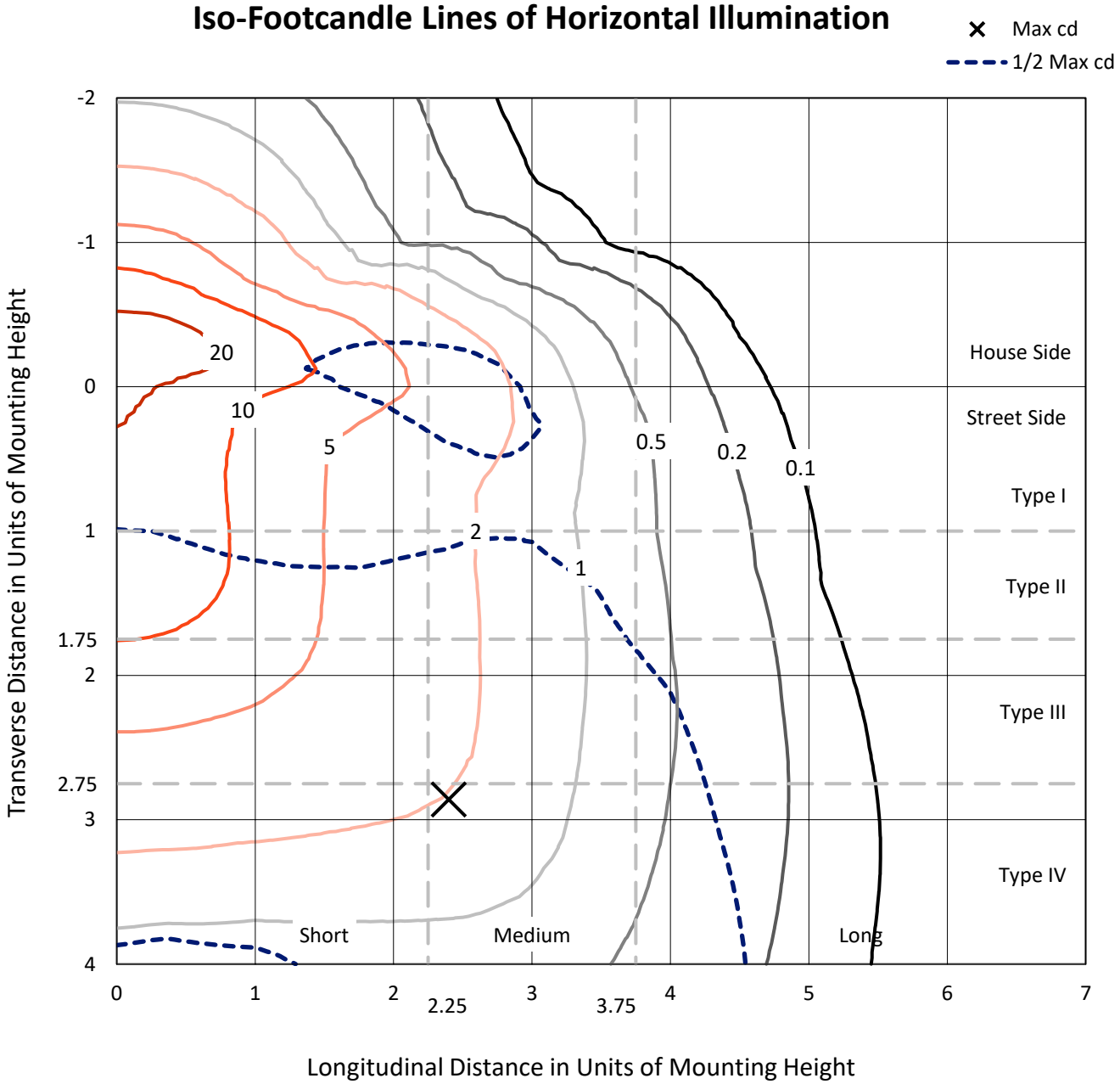


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Scaled Data Report

REPORT NUMBER: P1203861
CATALOG NUMBER: GWC-SB2D-830-U-SL4

Iso-Footcandle Lines of Horizontal Illumination



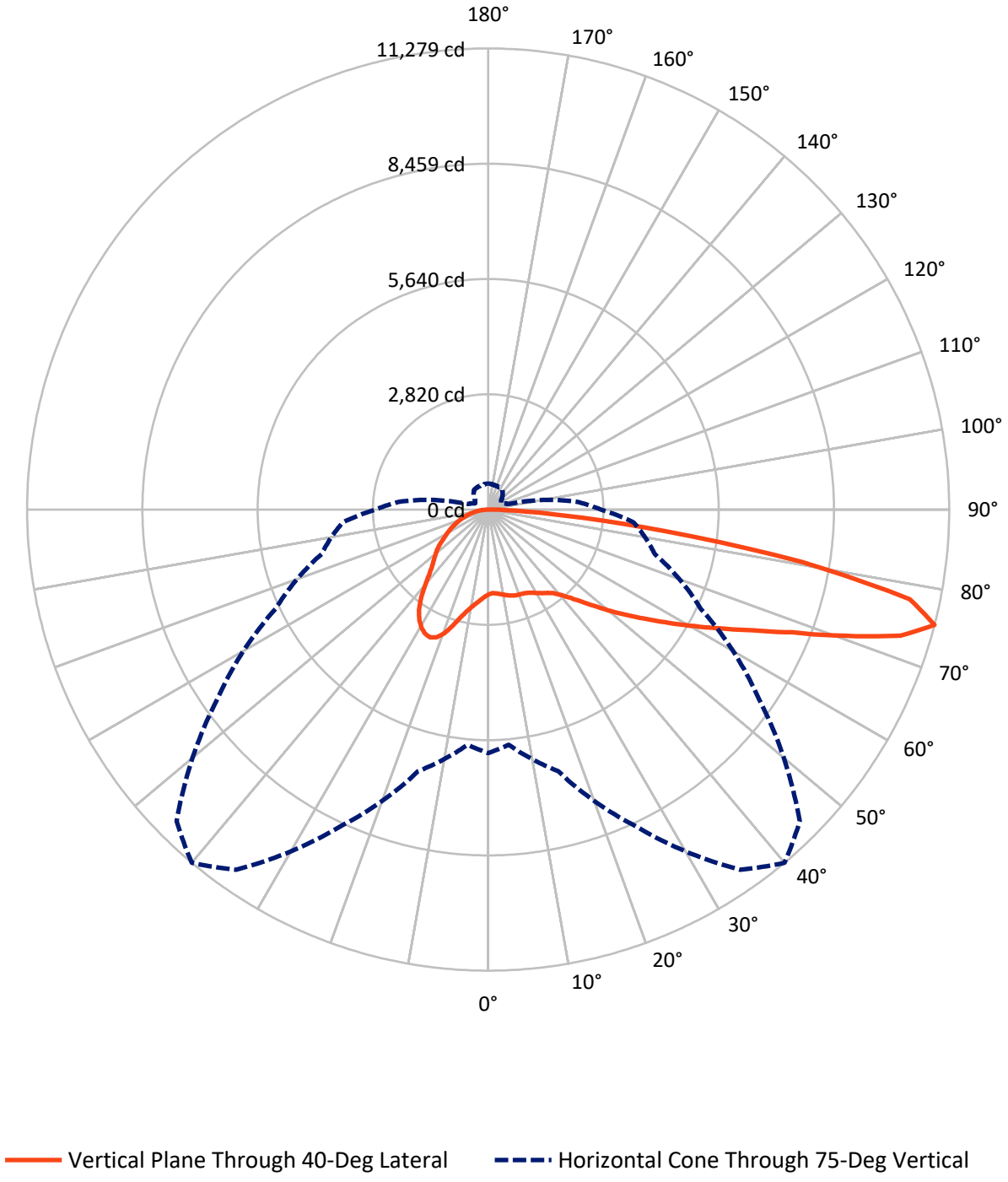
Based on 10 foot mounting height. Maximum calculated value = 19.4 fc
Type IV - Medium - N/A

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Scaled Data Report

REPORT NUMBER: P1203861
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Luminous Intensity Polar Plot



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Scaled Data Report

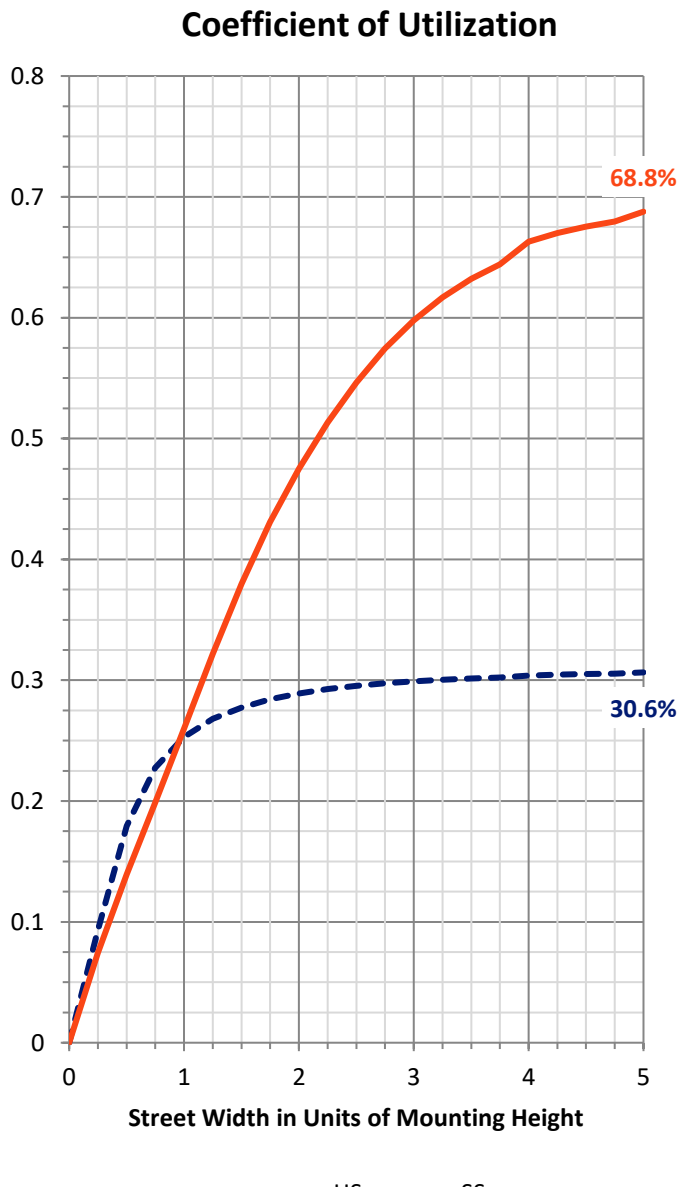
REPORT NUMBER: P1203861
CATALOG NUMBER: GWC-SB2D-830-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5614.8	0.0	5614.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	12507.2	0.0	12507.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	18122.0	0.0	18122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.9	1.1
10°-20°	694.5	3.8
20°-30°	1268.1	7.0
30°-40°	1798.5	9.9
40°-50°	2428.5	13.4
50°-60°	3267.0	18.0
60°-70°	4146.6	22.9
70°-80°	3763.3	20.8
80°-90°	548.6	3.0
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°	18122.0	100.0
0°-180°	18122.0	100.0



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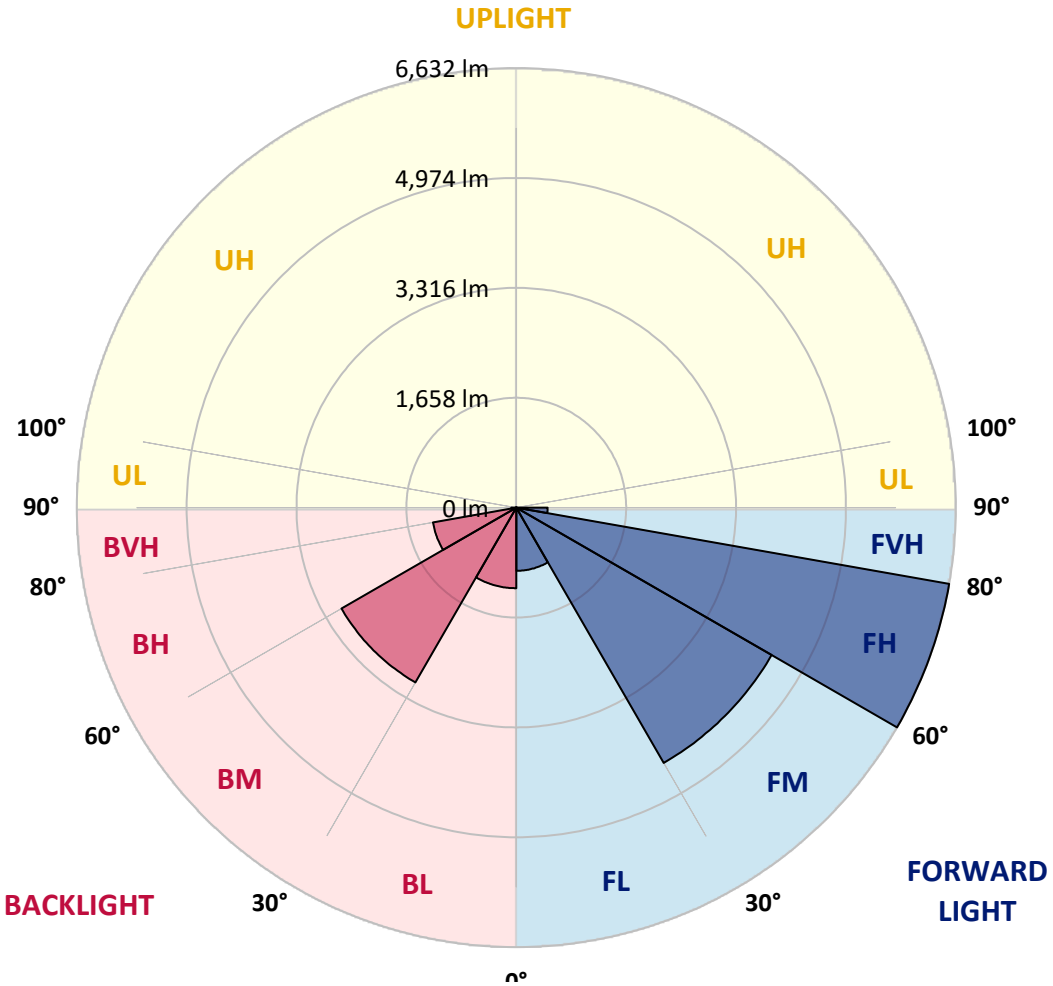
Scaled Data Report

REPORT NUMBER: P1203861
CATALOG NUMBER: GWC-SB2D-830-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	953.2	5.3			
FM	(30°-60°)	4448.5	24.5			
FH	(60°-80°)	6632.4	36.6			G3/7500
FVH	(80°-90°)	473.0	2.6			G3/500
BL	(0°-30°)	1216.2	6.7	B3/2500		
BM	(30°-60°)	3045.5	16.8	B3/5000		
BH	(60°-80°)	1277.5	7.0	B3/2500		G3/2500
BVH	(80°-90°)	75.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2072.3	2072.3	2072.3	2072.3	2072.3	*2072.3*	2072.3	2072.3	2072.3	2072.3	2072.3
2.5°	2040.6	2052.1	2049.2	2045.4	2045.4	*2046.3*	2045.4	2052.1	2058.8	2065.5	2076.1
5°	2061.7	2073.2	2067.5	2062.7	2058.8	*2057.9*	2055.0	2054.0	2057.9	2066.5	2080.9
7.5°	2103.0	2114.6	2105.9	2097.3	2089.6	*2085.7*	2081.9	2076.1	2073.2	2078.0	2098.2
10°	2149.2	2160.7	2150.1	2134.8	2122.3	*2117.4*	2113.6	2107.8	2104.0	2106.9	2129.0
12.5°	2195.3	2206.8	2192.4	2171.3	2154.9	*2152.1*	2147.2	2145.3	2144.4	2143.4	2165.5
15°	2238.6	2248.2	2229.9	2204.9	2187.6	*2182.8*	2178.0	2180.9	2185.7	2191.5	2216.4
17.5°	2272.2	2281.8	2254.9	2222.2	2205.9	*2204.0*	2201.1	2210.7	2224.1	2238.6	2269.3
20°	2303.0	2312.6	2278.0	2233.8	2214.5	*2214.5*	2215.5	2235.7	2254.9	2276.0	2318.3
22.5°	2346.2	2353.9	2311.6	2251.1	2223.2	*2225.1*	2232.8	2253.0	2277.0	2305.8	2364.5
25°	2410.6	2416.4	2364.5	2283.7	2252.0	*2257.8*	2264.5	2274.1	2297.2	2330.8	2409.6
27.5°	2514.4	2519.2	2451.0	2341.4	2293.3	*2303.0*	2312.6	2305.8	2316.4	2345.2	2446.2
30°	2660.5	2663.4	2576.9	2431.8	2363.5	*2368.3*	2370.2	2342.4	2322.2	2345.2	2472.1
32.5°	2833.5	2832.6	2729.7	2541.3	2443.3	*2438.5*	2422.1	2367.4	2320.3	2340.4	2495.2
35°	3101.7	3091.1	2958.5	2695.1	2533.6	*2503.8*	2465.4	2395.2	2329.9	2335.6	2515.4
37.5°	3545.7	3513.1	3329.5	2946.9	2668.2	*2592.3*	2535.6	2440.4	2351.0	2333.7	2539.4
40°	4046.5	4005.2	3803.3	3292.0	2870.0	*2748.0*	2656.7	2504.8	2385.6	2342.4	2575.0
42.5°	4640.5	4581.9	4364.7	3698.6	3125.7	*2948.9*	2811.4	2586.5	2436.6	2370.2	2623.0
45°	5370.0	5292.2	4984.6	4157.0	3447.7	*3212.2*	3028.6	2710.5	2514.4	2424.1	2695.1
47.5°	6107.3	6126.5	5689.1	4681.8	3834.1	*3537.1*	3300.6	2897.0	2627.8	2510.6	2811.4
50°	6890.6	6904.1	6389.8	5263.3	4272.4	*3904.3*	3606.3	3105.5	2785.5	2633.6	2985.4
52.5°	7501.9	7503.8	7026.1	5871.8	4728.9	*4307.9*	3936.0	3343.9	2968.1	2797.0	3217.0
55°	7884.4	7879.6	7472.1	6447.5	5253.7	*4731.8*	4301.2	3614.9	3191.1	2989.2	3508.3
57.5°	8162.2	8147.8	7779.7	6942.5	5813.1	*5232.6*	4714.5	3922.5	3454.4	3218.0	3891.8
60°	8268.0	8259.3	7988.3	7370.2	6401.4	*5786.2*	5191.3	4266.6	3753.4	3488.1	4384.8
62.5°	8308.3	8324.7	8193.0	7784.5	7030.9	*6399.4*	5715.1	4678.0	4089.8	3793.7	4904.8
65°	8450.6	8480.4	8453.5	8326.6	7742.2	*7117.4*	6410.0	5167.2	4456.9	4121.5	5447.9
67.5°	8732.2	8762.0	8773.5	8975.4	8611.1	*8012.3*	7277.0	5776.6	4886.6	4461.7	5856.4
70°	8725.5	8716.8	8920.6	9491.5	9699.1	*9251.2*	8445.8	6526.3	5398.9	4744.3	5908.3
72.5°	7942.1	7872.9	8354.5	9485.8	10604.5	*10545.0*	9873.1	7493.3	5841.0	4778.9	5126.9
75°	*5958.3*	*5773.7*	*6624.4*	*8548.6*	*10755.5*	*11279.3*	*10780.4*	*8093.0*	*5736.2*	*4222.4*	*3567.8*
77.5°	2548.1	2362.5	3365.0	6328.3	9626.1	*10544.0*	9948.1	7060.7	4579.0	2792.2	1752.2
80°	667.0	666.1	1016.9	2869.1	6546.5	*7786.4*	6831.0	4559.8	2616.3	997.7	483.5
82.5°	275.9	269.1	373.9	1115.9	3198.8	*4369.5*	3565.9	2033.8	944.8	270.1	160.5
85°	102.8	101.9	181.7	385.4	1128.4	*1802.2*	1304.3	520.0	235.5	131.7	72.1
87.5°	28.8	27.9	39.4	133.6	274.9	*417.1*	223.0	85.5	66.3	51.9	21.1
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: P1203861
CATALOG NUMBER: GWC-SB2D-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3
2.5°	2079.0	2083.8	2092.5	2099.2	2107.8	2117.4	2130.9	2139.6	2148.2	2154.0	2150.1
5°	2087.7	2098.2	2120.3	2142.4	2168.4	2192.4	2220.3	2240.5	2256.8	2261.6	2263.5
7.5°	2106.9	2124.2	2161.7	2199.1	2240.5	2279.9	2320.3	2354.9	2382.7	2393.3	2394.3
10°	2140.5	2163.6	2216.4	2269.3	2324.1	2384.7	2436.6	2486.5	2525.9	2542.3	2543.2
12.5°	2182.8	2211.6	2280.8	2353.9	2429.8	2513.5	2580.7	2642.2	2691.3	2713.4	2713.4
15°	2237.6	2275.1	2363.5	2461.5	2573.0	2689.3	2774.9	2843.1	2897.9	2924.8	2922.9
17.5°	2297.2	2347.2	2458.7	2606.7	2766.2	2919.1	3019.0	3069.0	3125.7	3151.7	3150.7
20°	2354.9	2416.4	2575.9	2791.2	3003.6	3166.1	3246.8	3260.3	3264.1	3267.0	3274.7
22.5°	2414.5	2497.1	2723.0	3023.8	3251.6	3364.1	3375.6	3317.9	3237.2	3199.7	3210.3
25°	2479.8	2589.4	2915.2	3280.5	3465.0	3478.5	3390.0	3249.7	3096.9	3026.7	3037.3
27.5°	2543.2	2696.1	3145.9	3525.6	3618.8	3500.6	3310.3	3111.3	2926.8	2852.7	2861.4
30°	2606.7	2818.1	3400.6	3739.9	3689.0	3445.8	3184.3	2962.3	2776.8	2699.0	2707.6
32.5°	2671.1	2960.4	3693.8	3894.6	3676.5	3329.5	3027.7	2795.1	2631.7	2550.0	2560.5
35°	2744.1	3135.3	3971.5	3979.2	3592.8	3158.4	2821.0	2595.1	2452.9	2387.5	2402.0
37.5°	2839.3	3357.4	4216.6	4000.4	3446.7	2907.5	2564.4	2358.7	2241.4	2211.6	2232.8
40°	2957.5	3624.6	4404.1	3966.7	3230.5	2602.8	2283.7	2119.4	2053.1	2059.8	2082.8
42.5°	3111.3	3923.5	4535.7	3880.2	2929.6	2288.5	2037.7	1964.6	1996.3	2023.3	2048.2
45°	3311.2	4233.9	4617.4	3733.2	2589.4	2022.3	1892.5	1909.8	1933.9	1936.8	1956.0
47.5°	3566.9	4548.2	4671.3	3511.1	2242.4	1834.9	1800.3	1804.1	1799.3	1779.1	1794.5
50°	3886.0	4853.9	4719.3	3217.0	1947.3	1717.6	1671.5	1658.0	1591.7	1526.3	1535.0
52.5°	4249.3	5134.6	4739.5	2851.8	1717.6	1619.6	1544.6	1460.0	1336.0	1315.8	1322.6
55°	4653.0	5394.1	4687.6	2402.9	1524.4	1493.7	1380.2	1278.4	1264.9	1247.6	1250.5
57.5°	5135.5	5673.8	4581.9	1902.1	1326.4	1346.6	1236.1	1247.6	1223.6	1196.7	1191.8
60°	5663.2	5963.1	4396.4	1445.6	1121.7	1163.0	1198.6	1197.6	1190.9	1168.8	1161.1
62.5°	6138.0	6153.4	4031.1	1107.3	941.9	1020.8	1117.8	1116.9	1111.1	1098.6	1093.8
65°	6420.6	6124.6	3421.8	871.8	793.9	903.5	1008.3	1016.0	1016.9	1016.0	1016.0
67.5°	6370.6	5787.2	2585.5	694.0	671.9	784.3	899.7	910.2	917.9	919.8	921.8
70°	5805.4	5046.1	1685.9	553.6	563.2	679.5	796.8	807.4	814.1	821.8	825.6
72.5°	4525.2	3710.1	965.0	447.9	468.1	589.2	694.9	707.4	711.3	725.7	731.4
75°	*2757.6*	*2181.8*	*521.0*	*352.7*	*384.5*	*503.7*	*594.0*	*608.4*	*615.1*	*632.4*	*634.4*
77.5°	1311.0	944.8	297.0	274.9	309.5	411.4	501.7	518.1	499.8	509.4	501.7
80°	443.1	350.8	187.4	209.5	236.4	321.0	401.8	418.1	379.7	377.7	373.9
82.5°	154.7	142.3	119.2	139.4	152.8	229.7	303.7	324.9	282.6	281.6	268.2
85°	60.6	57.7	66.3	75.9	91.3	141.3	199.9	210.5	174.0	140.3	138.4
87.5°	12.5	13.5	16.3	17.3	27.9	49.0	72.1	88.4	70.2	59.6	54.8
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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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

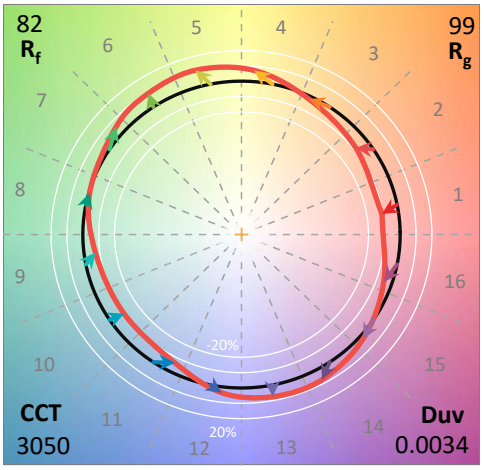
Test Information

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

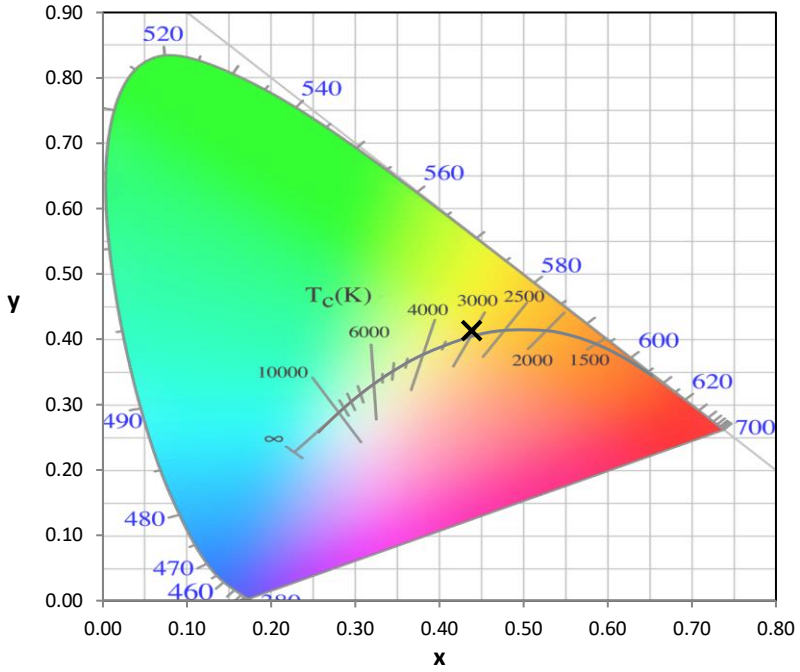
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

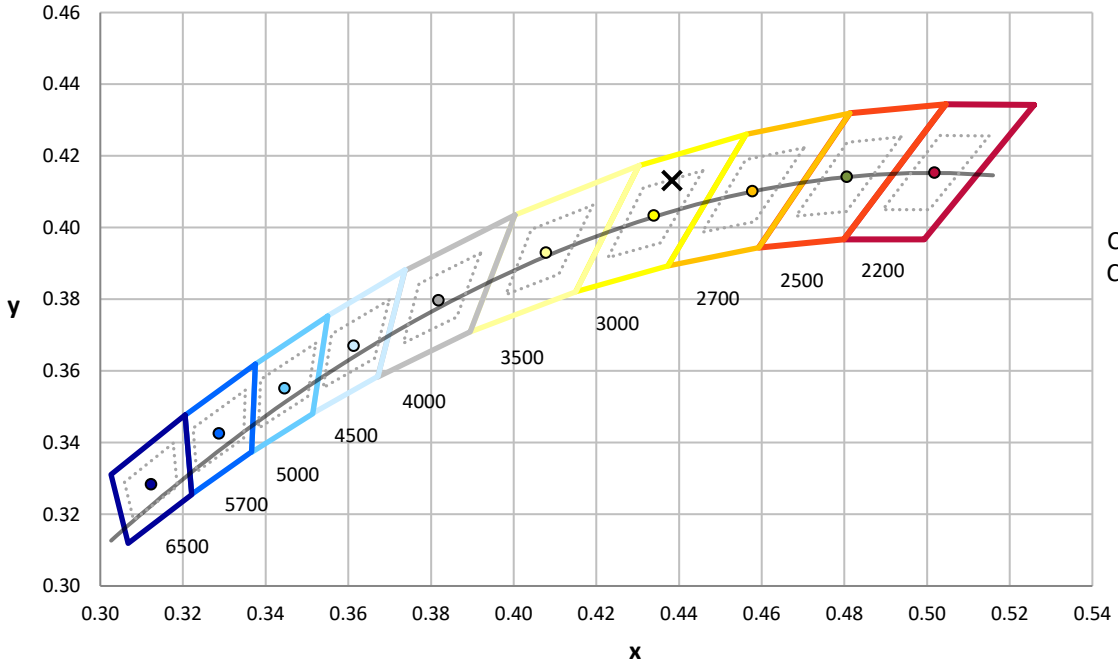
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

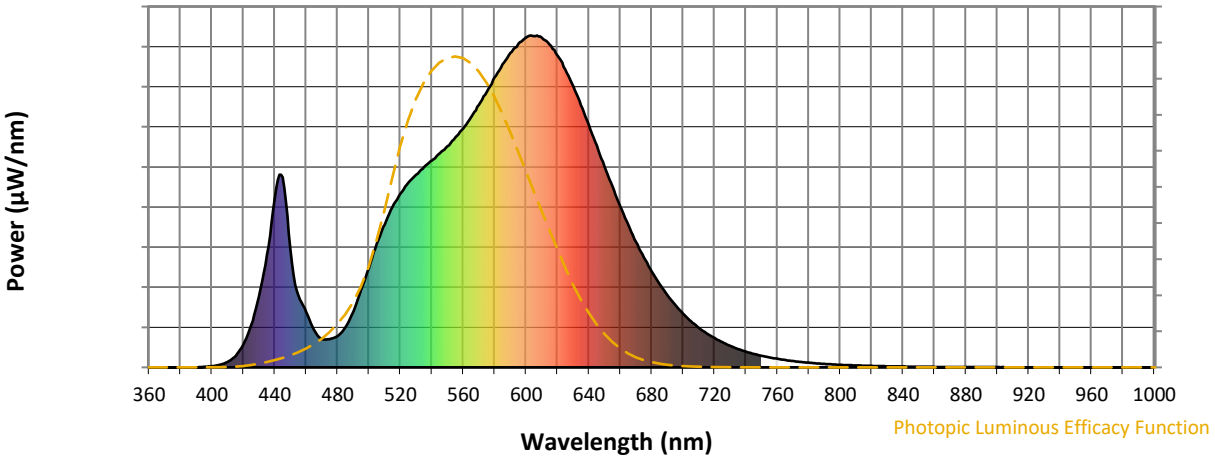


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

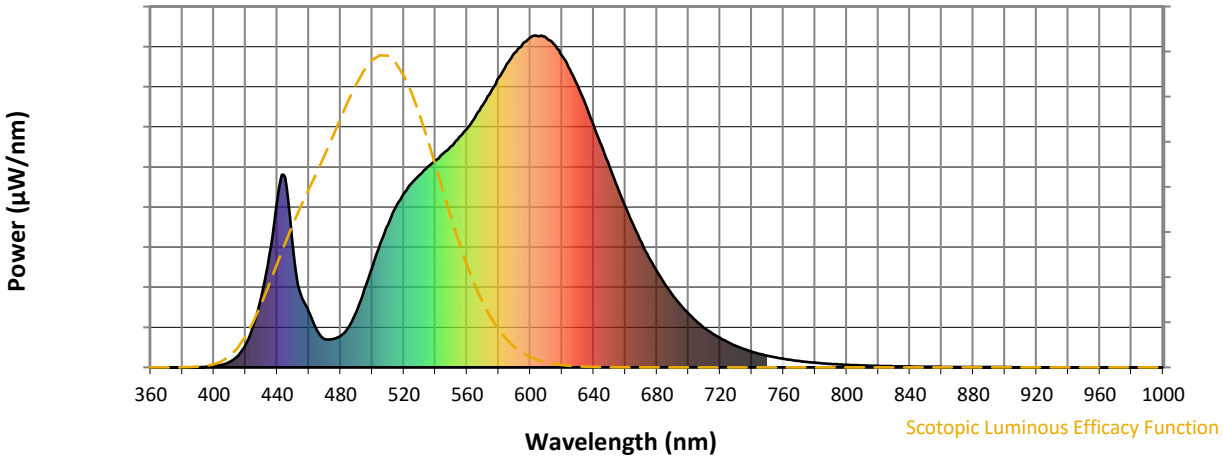


Photopic Lumens: NR

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

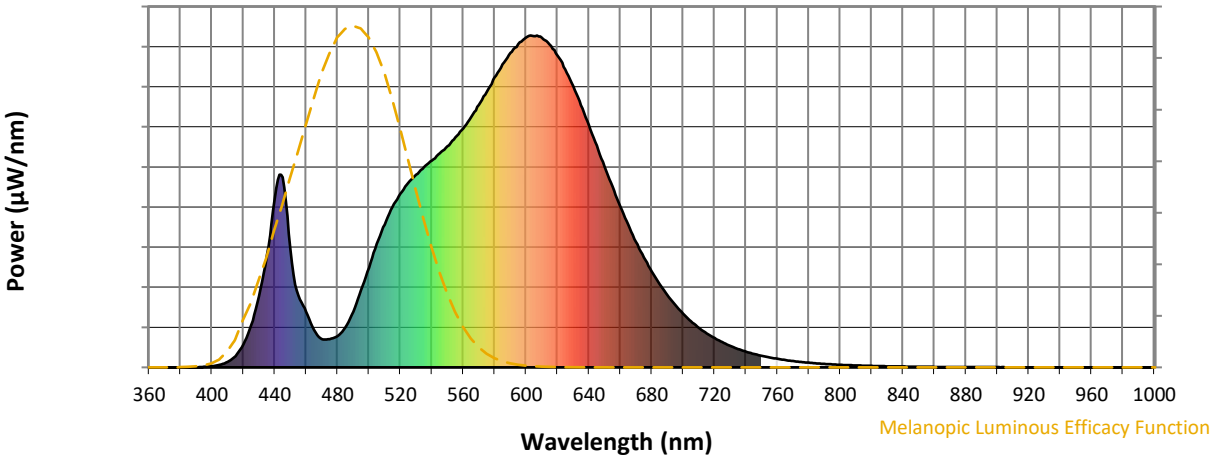


Scotopic Lumens: NR **S/P: 1.27**

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			

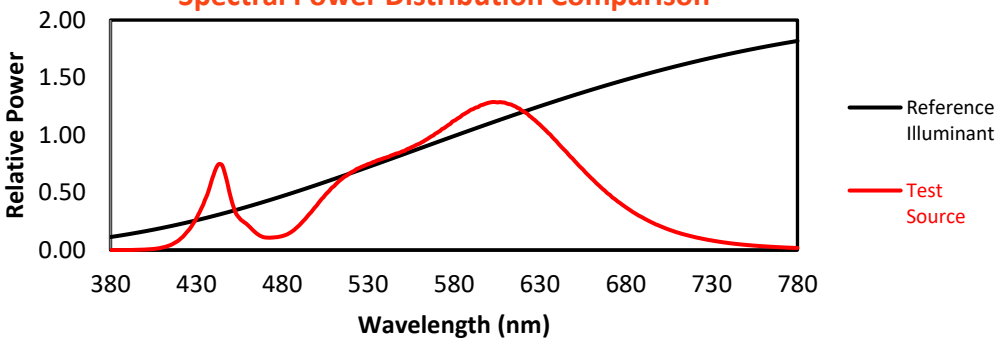
REPORT NUMBER: SP1-2408-195-9

TM-30-18

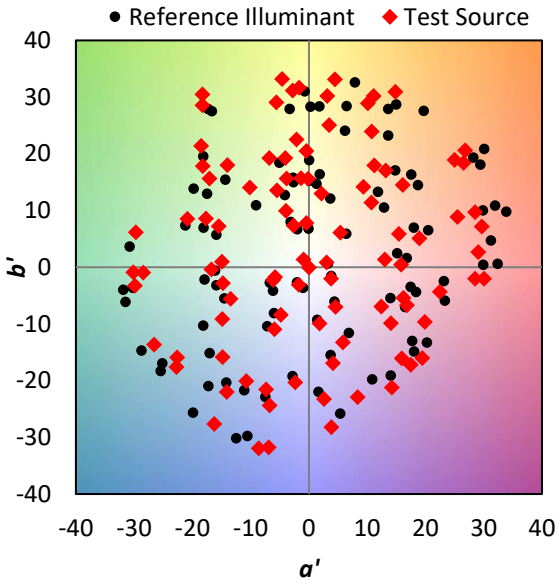
Summary

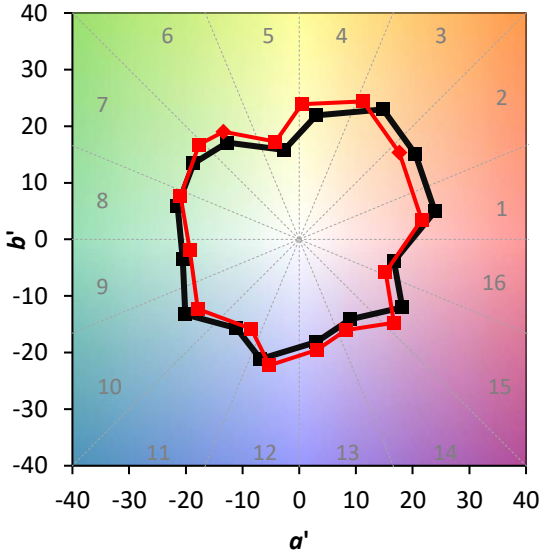
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

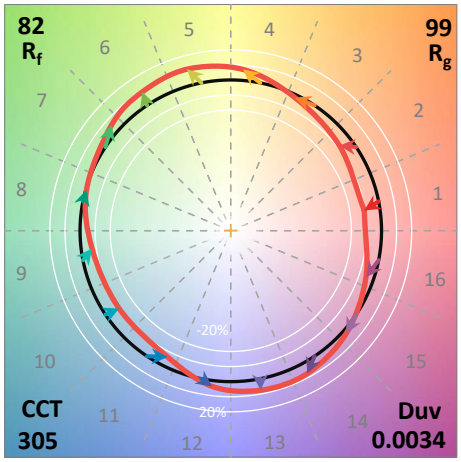
Spectral Power Distribution Comparison

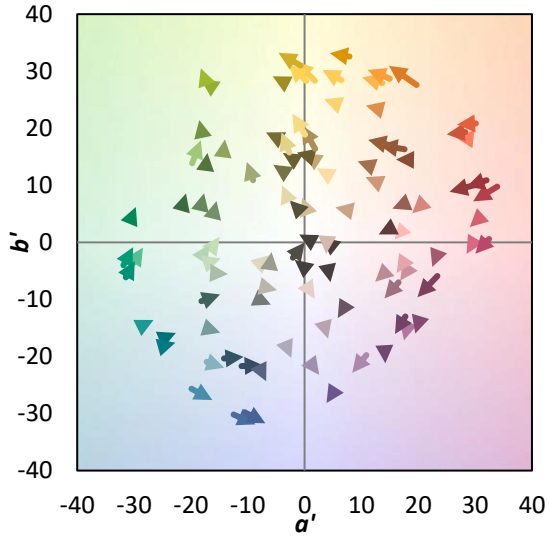


Color Vector Graphics







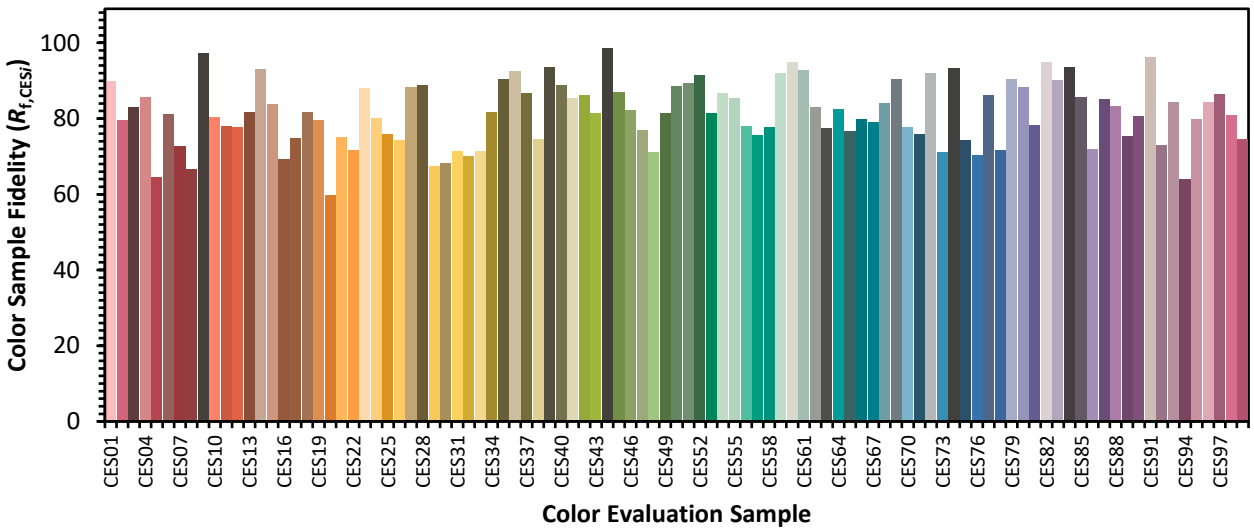


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

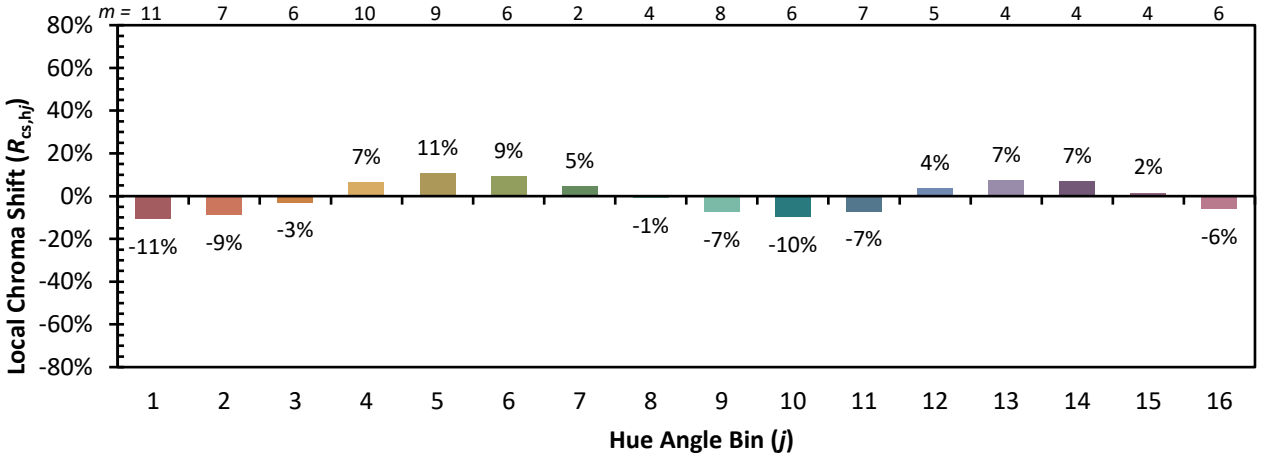
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

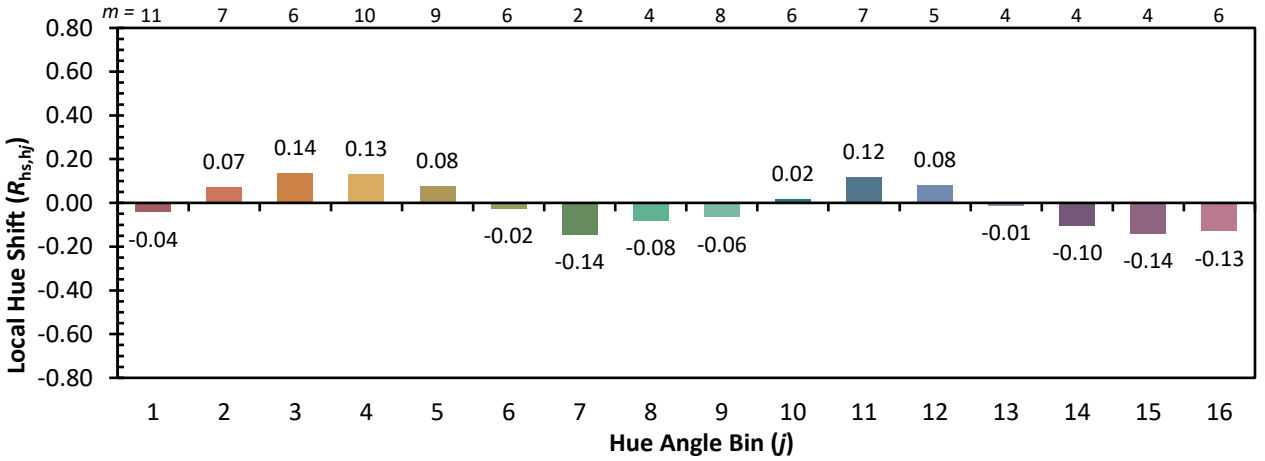


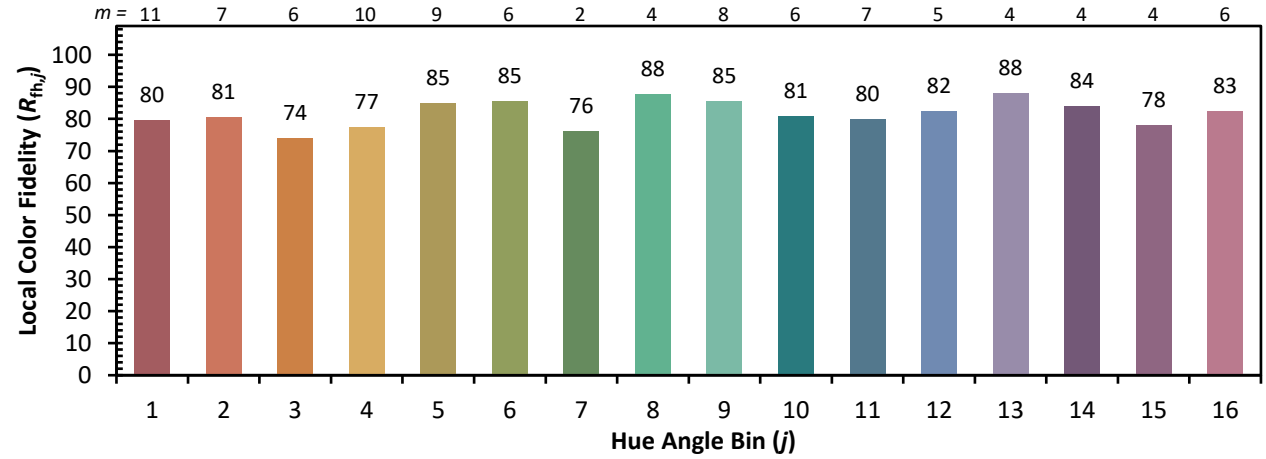
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



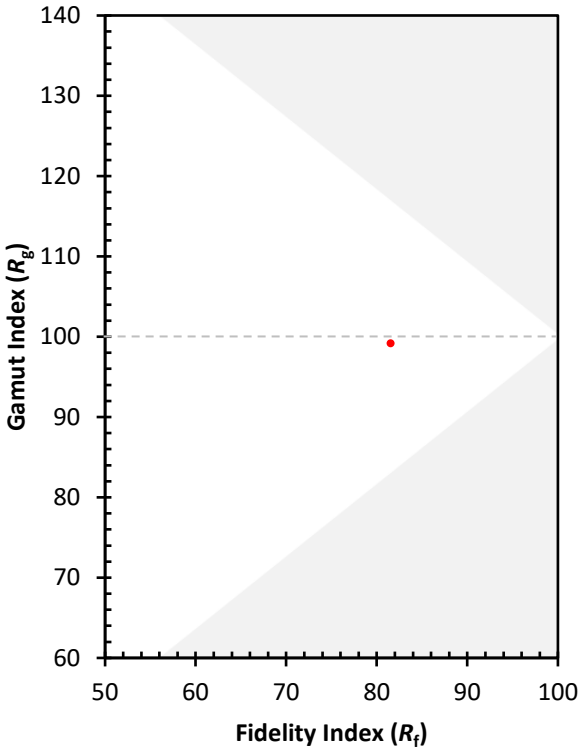


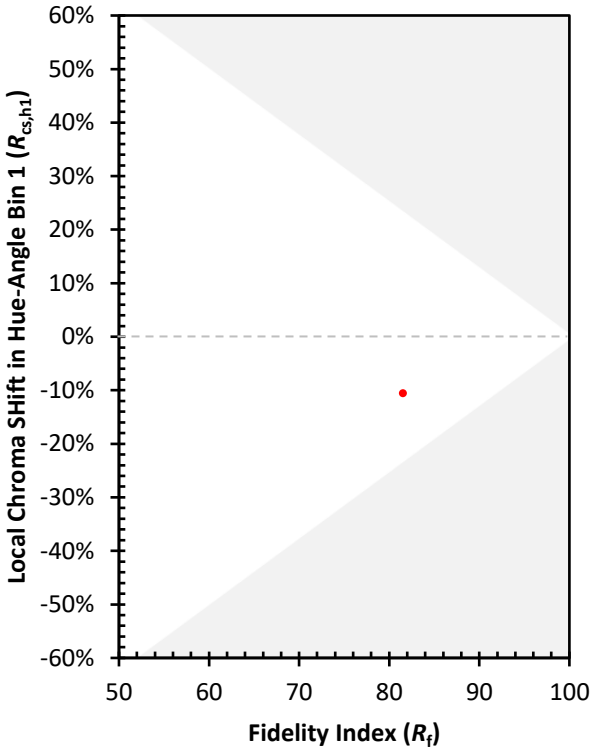


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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