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: P1203867

Luminaire Tested: GWC-SB2D-830-U-T2

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:	P1203867
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-830-U-T2
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18114 lumens
Efficiency:	N/A
Efficacy:	122.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - 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

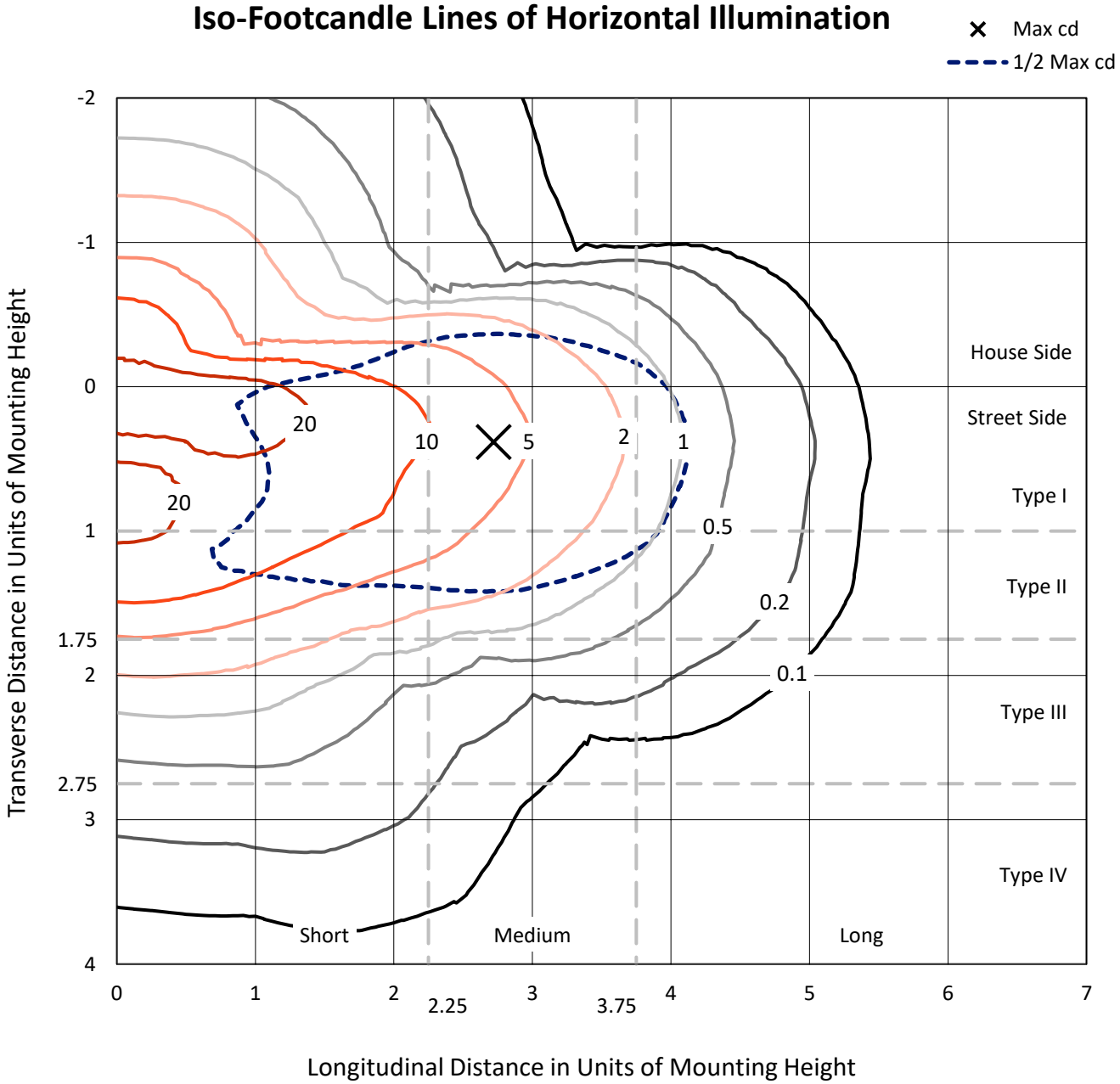


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Scaled Data Report

REPORT NUMBER: P1203867
CATALOG NUMBER: GWC-SB2D-830-U-T2

Iso-Footcandle Lines of Horizontal Illumination



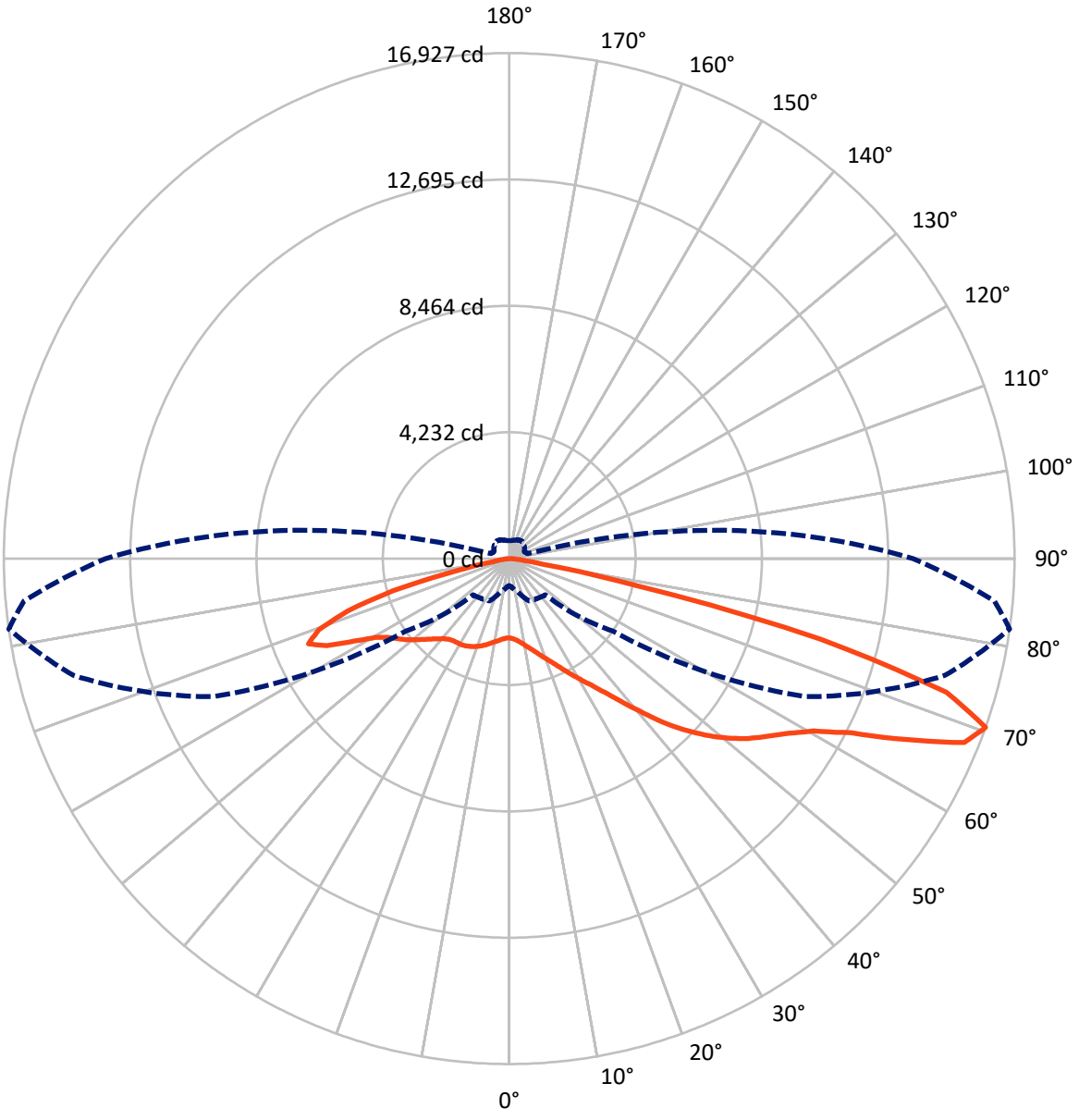
Based on 10 foot mounting height. Maximum calculated value = 29.2 fc
Type II - Medium - N/A

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REPORT NUMBER: P1203867
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Luminous Intensity Polar Plot



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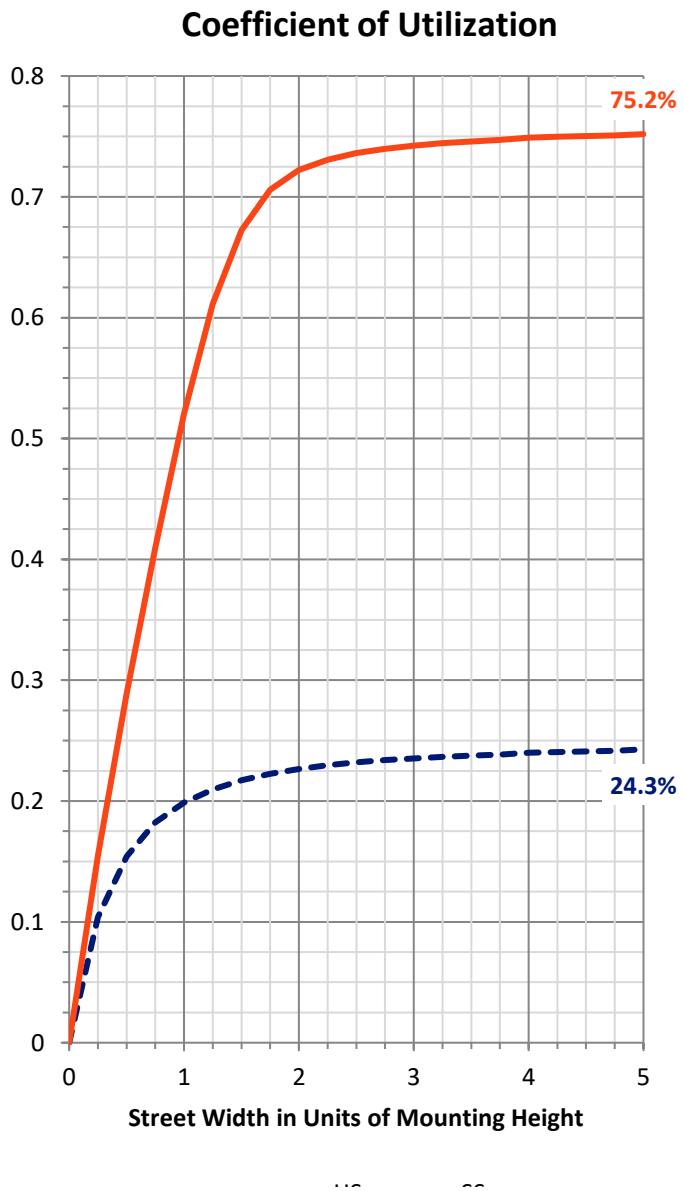
REPORT NUMBER: P1203867
CATALOG NUMBER: GWC-SB2D-830-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4465.5	0.0	4465.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13648.5	0.0	13648.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	18114.0	0.0	18114.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.7	1.4
10°-20°	720.4	4.0
20°-30°	1205.2	6.7
30°-40°	1882.8	10.4
40°-50°	2998.6	16.6
50°-60°	4172.9	23.0
60°-70°	4365.0	24.1
70°-80°	2281.4	12.6
80°-90°	236.9	1.3
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°	18114.0	100.0
0°-180°	18114.0	100.0



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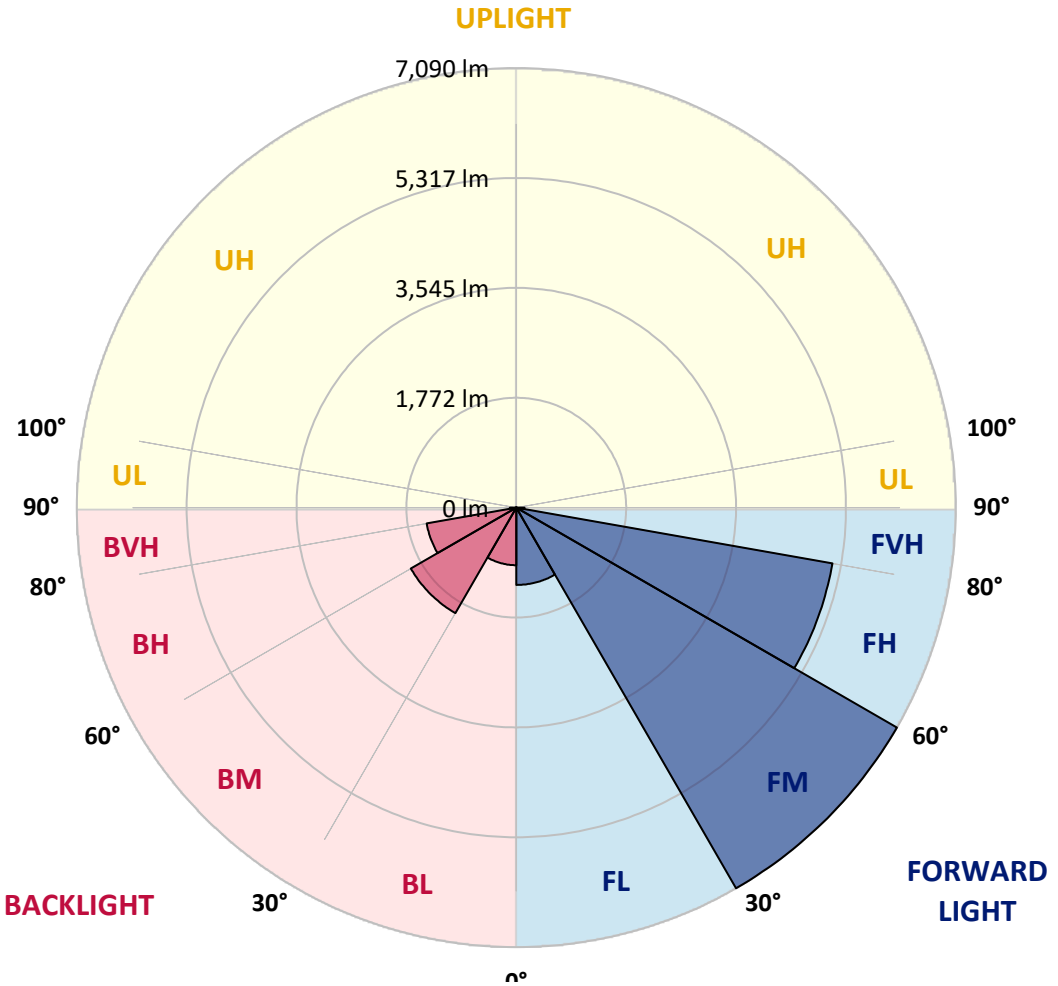
Scaled Data Report

REPORT NUMBER: P1203867
CATALOG NUMBER: GWC-SB2D-830-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1247.4	6.9			
FM	(30°-60°)	7089.6	39.1			
FH	(60°-80°)	5178.8	28.6			G3/7500
FVH	(80°-90°)	132.6	0.7			G2/225
BL	(0°-30°)	929.0	5.1	B2/1000		
BM	(30°-60°)	1964.7	10.8	B2/2500		
BH	(60°-80°)	1467.6	8.1	B3/2500		G3/2500
BVH	(80°-90°)	104.3	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Medium



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REPORT NUMBER: P1203867
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	2655.7	2655.7	2655.7	2655.7	2655.7	2655.7	2655.7	2655.7	2655.7	*2655.7*	2655.7
2.5°	2719.2	2734.6	2729.7	2724.9	2724.9	2718.2	2717.3	2707.6	2700.0	*2687.5*	2684.6
5°	2753.8	2770.1	2768.2	2772.0	2784.5	2787.4	2790.3	2784.5	2769.2	*2753.8*	2747.1
7.5°	2723.0	2741.3	2747.1	2770.1	2808.6	2843.2	2869.1	2879.7	2865.3	*2843.2*	2832.6
10°	2619.2	2639.4	2659.6	2714.4	2782.6	2864.3	2933.5	2974.9	2972.0	*2950.8*	2932.6
12.5°	2408.7	2429.9	2473.1	2579.8	2704.8	2848.9	2977.7	3064.2	3094.0	*3078.7*	3046.9
15°	2240.5	2258.8	2291.5	2401.0	2563.5	2782.6	2994.1	3162.3	3238.2	*3229.6*	3191.1
17.5°	2235.7	2243.4	2263.6	2315.5	2440.4	2678.8	2976.8	3258.4	3403.5	*3402.6*	3354.5
20°	2320.3	2323.2	2334.7	2345.3	2416.4	2600.0	2932.6	3338.2	3589.0	*3589.0*	3537.1
22.5°	2437.6	2435.6	2447.2	2437.6	2472.2	2593.3	2904.7	3408.3	3795.7	*3811.1*	3745.7
25°	2613.4	2603.8	2601.0	2578.8	2585.6	2655.7	2935.4	3488.1	4040.8	*4072.5*	3990.8
27.5°	2848.0	2832.6	2822.0	2771.1	2753.8	2784.5	3029.6	3584.2	4313.8	*4368.6*	4264.8
30°	3153.6	3125.8	3110.4	3021.9	2959.5	2964.3	3171.9	3712.1	4599.2	*4687.7*	4556.0
32.5°	3570.8	3527.5	3486.2	3341.1	3226.7	3189.2	3355.5	3888.9	4908.7	*5050.0*	4880.9
35°	4037.9	4003.3	3959.1	3735.1	3559.2	3472.7	3603.5	4136.0	5271.1	*5495.1*	5275.0
37.5°	4487.7	4458.0	4479.1	4177.3	3950.4	3824.5	3928.3	4467.6	5718.1	*6048.7*	5769.0
40°	4953.0	4929.9	4932.8	4644.4	4380.1	4238.8	4322.4	4883.8	6230.4	*6707.1*	6363.0
42.5°	5458.5	5441.2	5383.6	5127.9	4830.9	4699.2	4776.1	5364.3	6780.2	*7456.8*	7014.7
45°	6024.7	6014.1	5960.3	5667.1	5326.9	5178.8	5282.6	5894.9	7332.8	*8162.3*	7669.3
47.5°	6513.9	6522.6	6515.8	6268.8	5916.1	5698.8	5822.8	6448.6	7847.1	*8825.6*	8296.9
50°	6749.4	6794.6	6860.9	6784.0	6564.9	6343.8	6367.8	6983.0	8337.3	*9447.4*	8898.6
52.5°	6626.4	6711.9	6892.6	7015.6	7100.2	7054.1	6989.7	7513.5	8798.6	*10008.8*	9467.6
55°	6167.9	6288.0	6587.9	6884.9	7316.5	7651.9	7736.5	8101.8	9248.5	*10502.8*	10005.9
57.5°	5332.6	5527.7	5796.9	6397.6	7124.3	7941.3	8607.4	8917.8	9725.2	*11030.5*	10569.1
60°	3900.5	4161.9	4496.4	5390.3	6451.4	7786.5	9348.4	10171.2	10402.8	*11713.9*	11302.5
62.5°	2496.2	2657.7	2965.2	3807.2	5027.0	6993.5	9575.3	11737.9	11551.5	*12834.6*	12402.1
65°	1709.0	1812.8	2094.4	2567.3	3249.7	5205.7	8967.8	12912.5	13375.8	*14610.9*	14282.2
67.5°	1241.8	1320.7	1561.0	1975.2	2117.5	3080.6	6958.9	12858.7	15149.1	*16441.0*	15929.6
70°	*905.4*	*961.2*	*1163.0*	*1561.0*	*1629.2*	*1713.8*	*4215.7*	*10930.5*	*15110.7*	*16927.3*	*16315.1*
72.5°	670.9	709.4	844.9	1211.1	1318.7	1157.3	2086.7	7944.1	12984.6	*15310.6*	14819.5
75°	485.4	514.2	614.2	926.6	1055.4	881.4	1041.0	4642.5	9057.2	*10770.0*	10856.5
77.5°	371.0	393.1	458.5	678.6	844.9	661.3	645.9	2135.7	4294.5	*4315.7*	4557.9
80°	298.0	312.4	347.9	477.7	647.8	495.0	421.0	862.2	1357.2	*1148.6*	1205.3
82.5°	219.1	243.2	294.1	335.5	463.3	341.2	256.6	435.4	516.2	*444.1*	447.9
85°	125.0	141.3	177.8	240.3	296.0	208.6	147.1	193.2	240.3	*197.0*	175.9
87.5°	44.2	57.7	62.5	94.2	128.8	86.5	56.7	55.7	78.8	*58.6*	49.0
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: P1203867
CATALOG NUMBER: GWC-SB2D-830-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2655.7	2655.7	2655.7	2655.7	2655.7	2655.7	2655.7	2655.7	2655.7	2655.7	2655.7
2.5°	2675.0	2670.2	2650.9	2625.0	2598.1	2572.1	2563.5	2545.2	2532.7	2526.0	2533.7
5°	2728.8	2713.4	2668.2	2610.6	2550.0	2484.6	2438.5	2396.2	2365.5	2336.6	2348.2
7.5°	2805.7	2778.8	2700.9	2600.0	2492.3	2383.7	2303.0	2241.5	2200.1	2173.2	2179.0
10°	2895.1	2853.7	2734.6	2583.7	2417.4	2261.7	2166.5	2113.6	2087.7	2073.3	2077.1
12.5°	2997.9	2939.3	2769.2	2546.2	2303.0	2125.2	2059.8	2044.4	2045.4	2046.4	2048.3
15°	3124.8	3043.1	2797.0	2464.5	2154.0	2020.4	2008.9	2033.9	2059.8	2072.3	2071.3
17.5°	3268.0	3152.7	2801.8	2329.9	2007.9	1953.1	1989.6	2043.5	2082.9	2100.2	2104.0
20°	3421.8	3264.2	2767.2	2139.6	1887.8	1898.3	1963.7	2032.9	2076.1	2098.3	2104.0
22.5°	3597.7	3383.4	2684.6	1939.7	1789.7	1838.7	1915.6	1982.9	2028.1	2050.2	2056.0
25°	3798.6	3517.0	2554.8	1771.5	1705.1	1771.5	1848.3	1904.1	1940.6	1960.8	1966.6
27.5°	4021.6	3656.3	2381.8	1637.8	1631.1	1702.2	1765.7	1808.9	1828.2	1843.5	1849.3
30°	4245.5	3783.2	2172.3	1536.9	1566.7	1634.0	1679.2	1698.4	1704.2	1707.1	1713.8
32.5°	4487.7	3892.8	1952.2	1453.3	1505.2	1567.7	1594.6	1603.2	1576.3	1558.1	1563.8
35°	4780.9	4010.0	1736.9	1387.0	1444.7	1498.5	1507.1	1499.4	1467.7	1430.2	1432.2
37.5°	5143.3	4156.1	1564.8	1339.9	1387.9	1423.5	1412.9	1411.0	1413.9	1369.7	1372.6
40°	5587.3	4346.5	1438.9	1303.4	1341.8	1349.5	1319.7	1336.0	1350.5	1283.2	1285.1
42.5°	6080.4	4576.2	1359.1	1278.4	1303.4	1285.1	1239.0	1257.2	1255.3	1166.9	1165.9
45°	6583.1	4826.1	1331.2	1260.1	1267.8	1231.3	1180.3	1185.1	1144.8	1065.0	1067.9
47.5°	7082.9	5094.3	1348.5	1244.7	1223.6	1182.3	1142.8	1121.7	1062.1	1002.5	1002.5
50°	7573.1	5375.9	1412.0	1214.0	1163.0	1139.0	1110.2	1072.7	1009.2	958.3	954.5
52.5°	8027.8	5659.4	1483.1	1163.0	1087.1	1101.5	1083.2	1040.0	977.5	925.6	926.6
55°	8458.4	5943.0	1511.0	1092.9	1016.0	1068.8	1058.3	978.5	903.5	861.2	857.4
57.5°	8927.4	6284.2	1480.2	1003.5	958.3	1031.3	991.0	902.5	859.3	827.6	824.7
60°	9577.2	6819.6	1413.9	892.9	903.5	975.6	906.4	869.9	822.8	787.2	785.3
62.5°	10656.6	7818.2	1307.2	783.4	839.1	892.9	866.0	829.5	781.4	746.8	746.8
65°	12252.2	9206.2	1106.3	697.8	767.0	812.2	822.8	786.2	736.3	699.7	701.7
67.5°	13597.8	10077.0	837.2	626.7	693.0	746.8	776.6	741.1	688.2	652.6	653.6
70°	*13523.8*	*9444.5*	*639.2*	*556.5*	*627.7*	*682.4*	*720.9*	*693.0*	*636.3*	*602.7*	*605.5*
72.5°	12011.9	7900.9	517.1	485.4	561.3	615.2	661.3	640.1	582.5	549.8	549.8
75°	8824.6	5608.5	413.3	413.3	478.7	545.0	595.9	582.5	529.6	506.5	499.8
77.5°	3719.8	2353.0	323.9	343.1	397.9	468.1	531.5	536.3	490.2	519.0	471.0
80°	989.1	648.8	247.0	270.1	312.4	386.4	462.3	460.4	410.4	383.5	356.6
82.5°	376.8	255.7	175.9	190.3	225.9	296.0	366.2	377.7	327.8	283.5	283.5
85°	145.1	109.6	108.6	114.4	131.7	196.1	276.8	286.4	247.0	209.5	216.3
87.5°	37.5	32.7	40.4	38.4	60.6	104.8	158.6	164.4	150.9	87.5	125.0
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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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

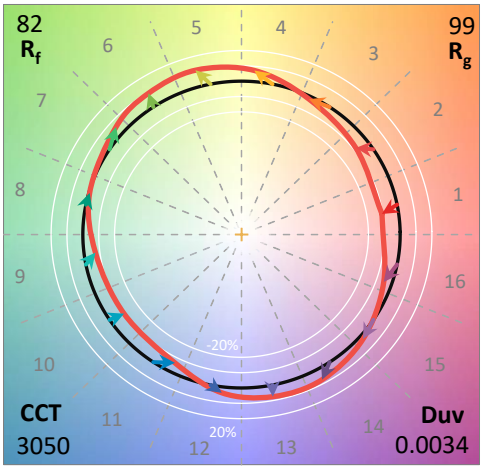
Test Information

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

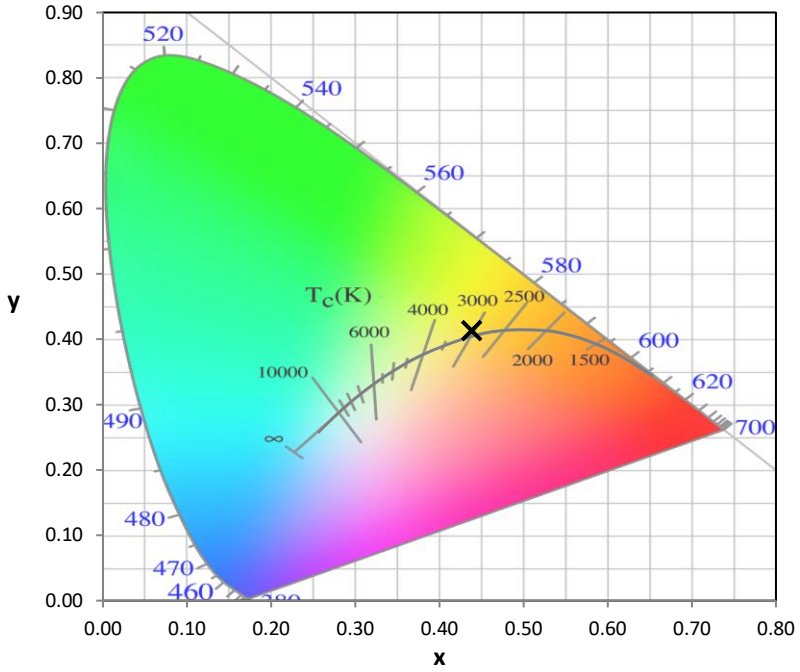
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

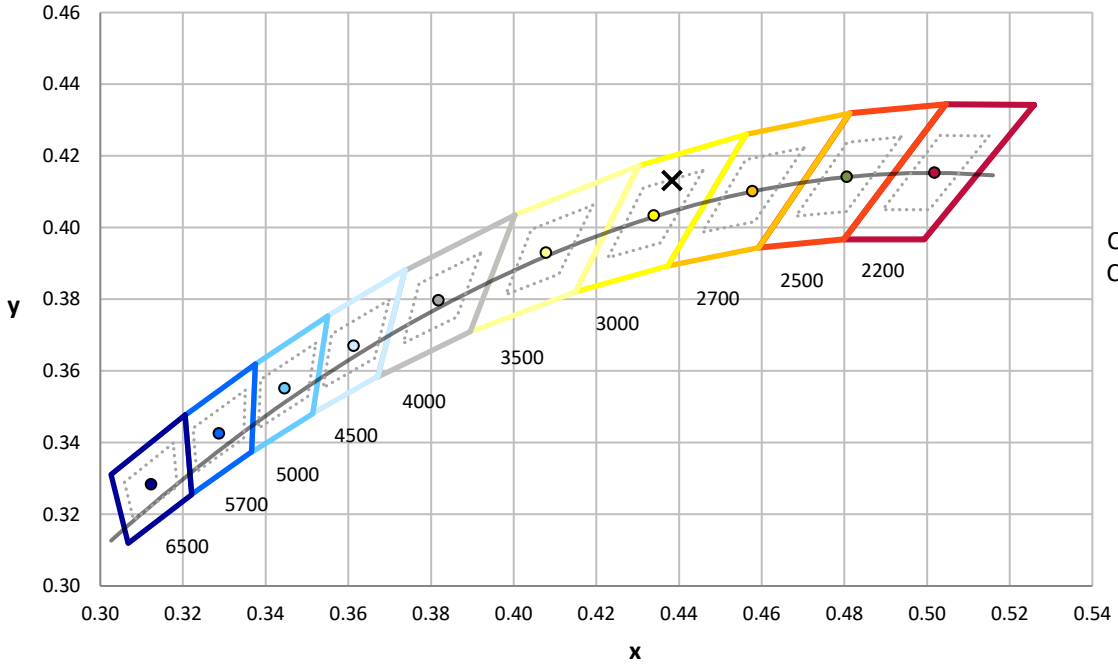
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

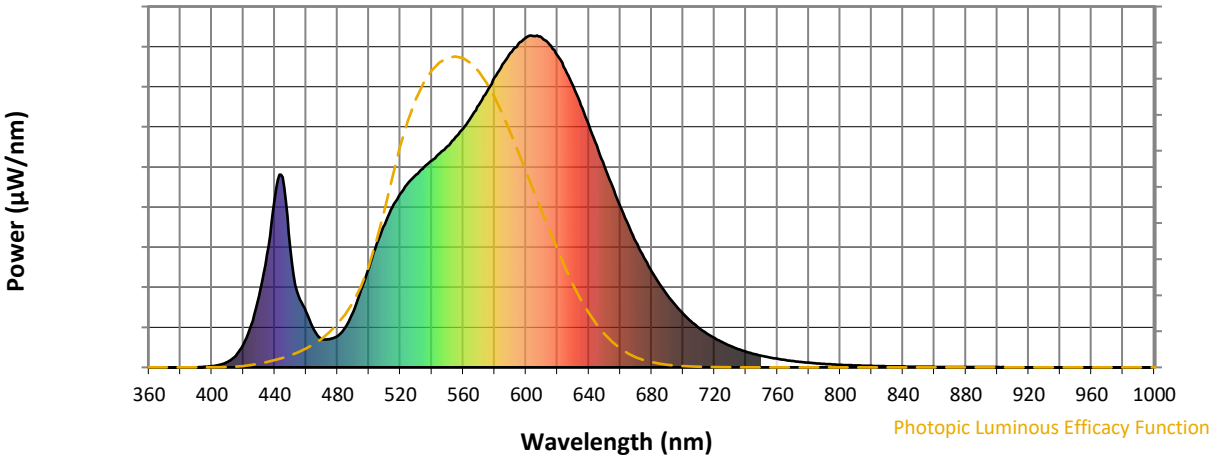


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

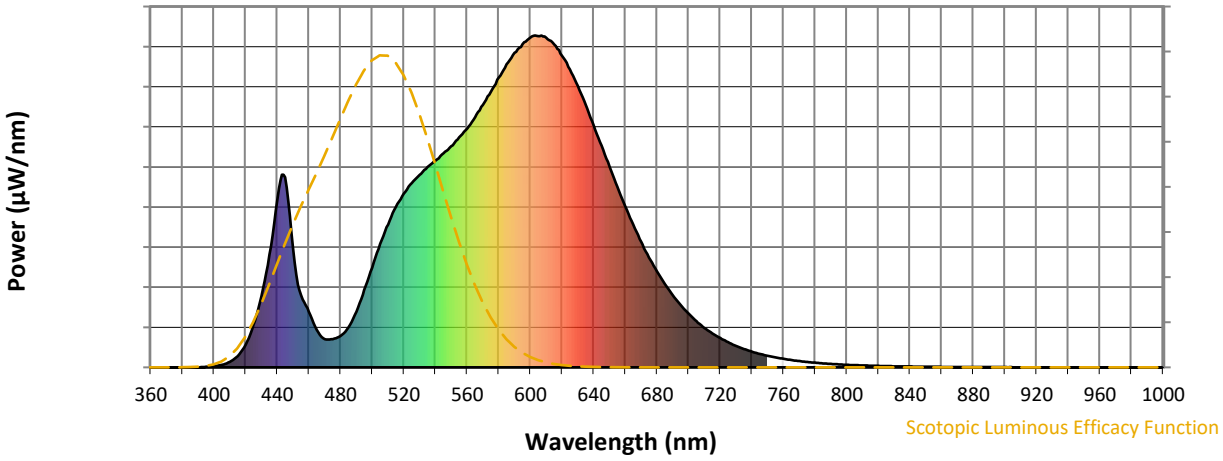


Photopic Lumens: NR

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

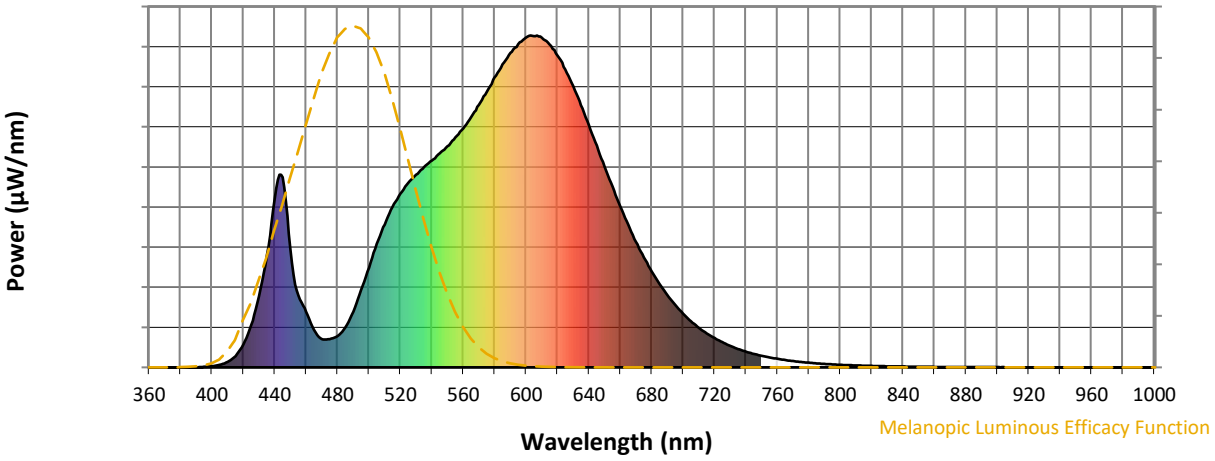


Scotopic Lumens: NR **S/P: 1.27**

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			

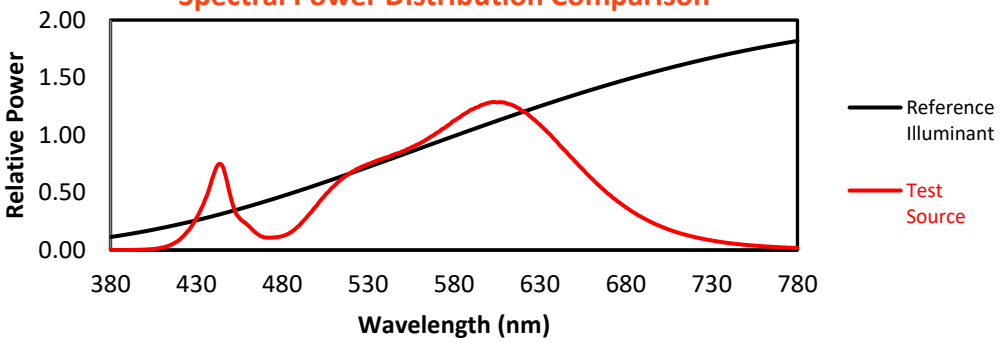
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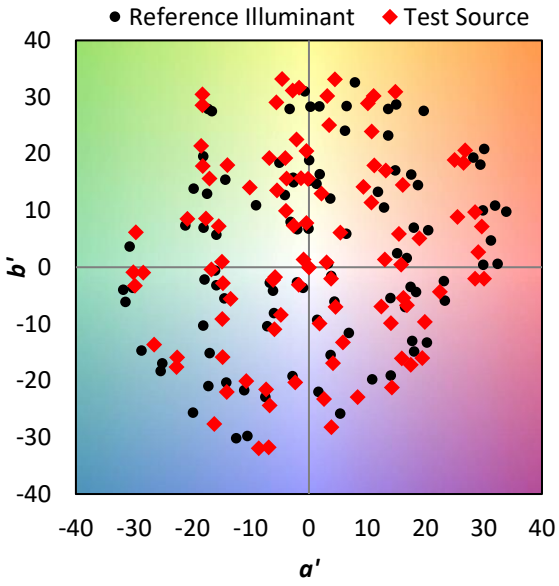
Summary

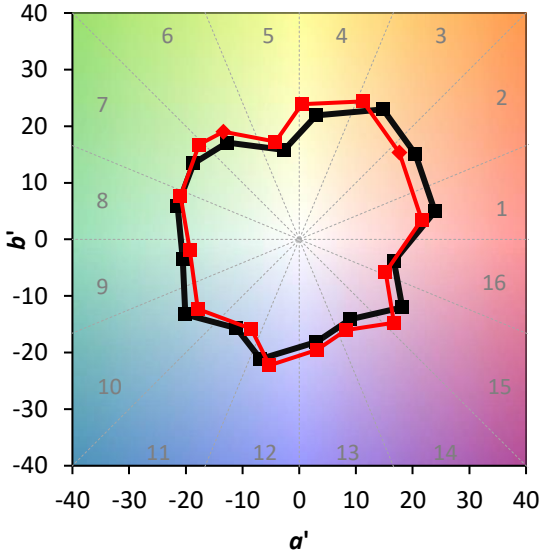
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

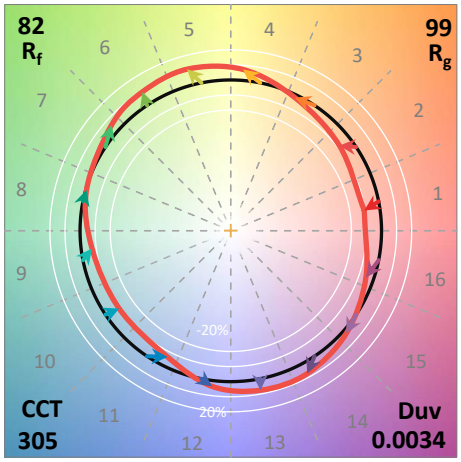
Spectral Power Distribution Comparison

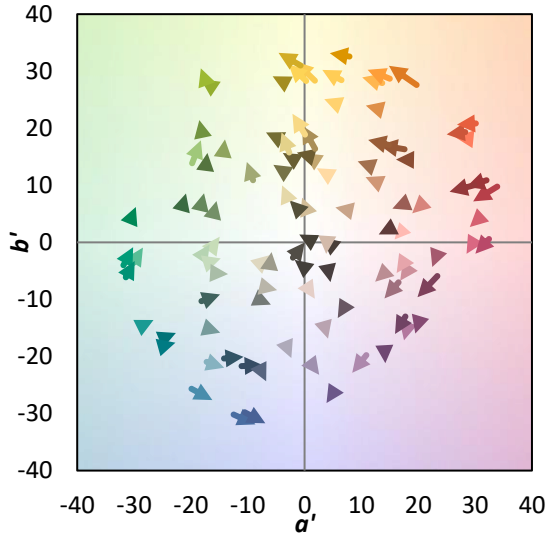


Color Vector Graphics







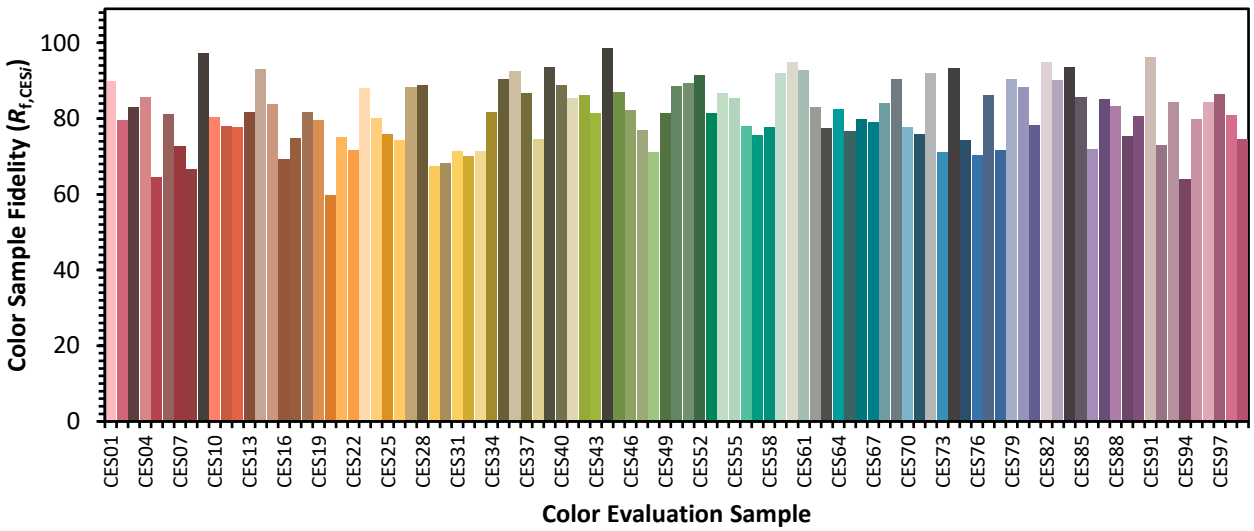


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Individual Sample Fidelity Index ($R_{f,i}$)

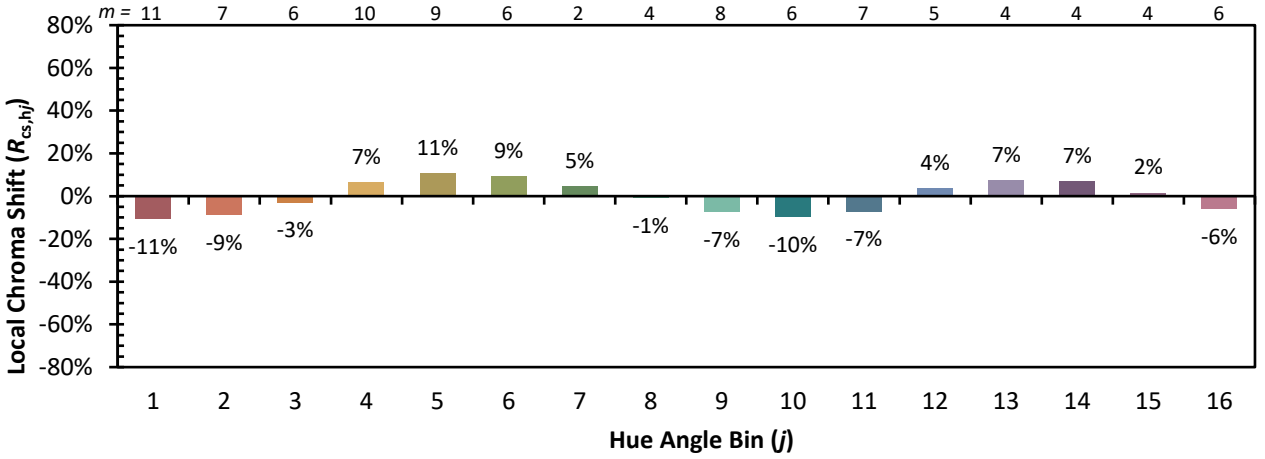
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

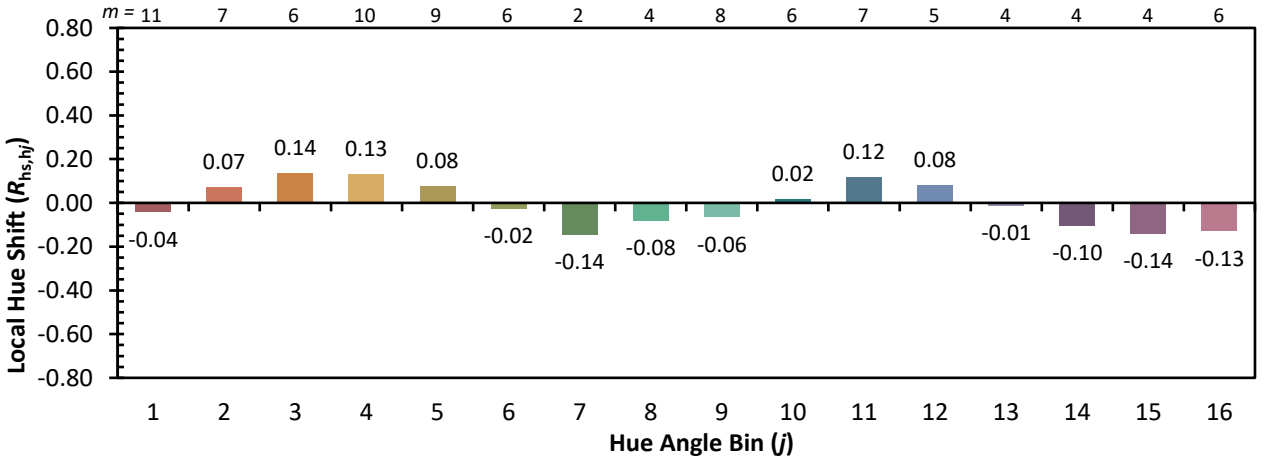


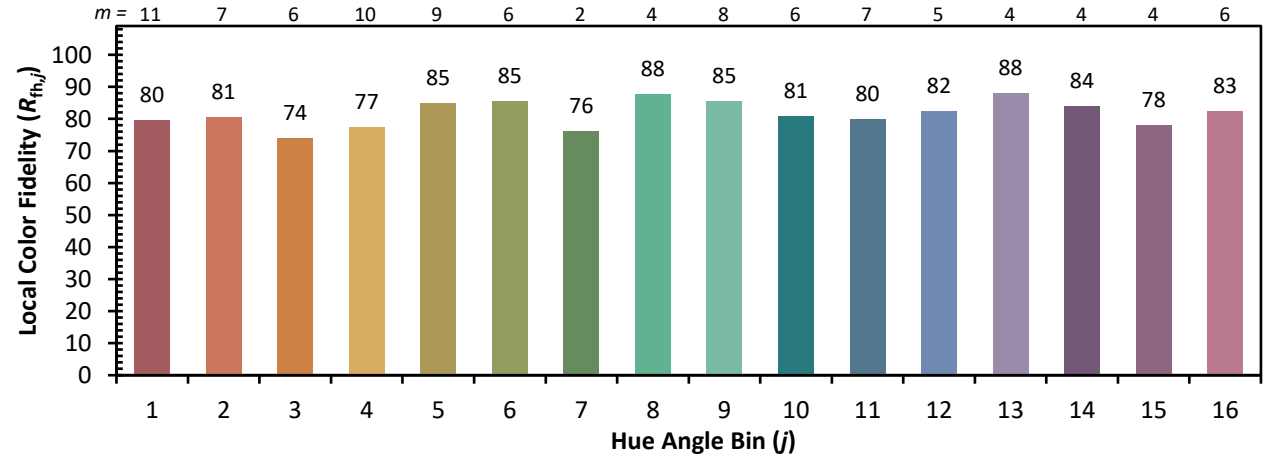
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Color Rendition by Hue-Angle Bin



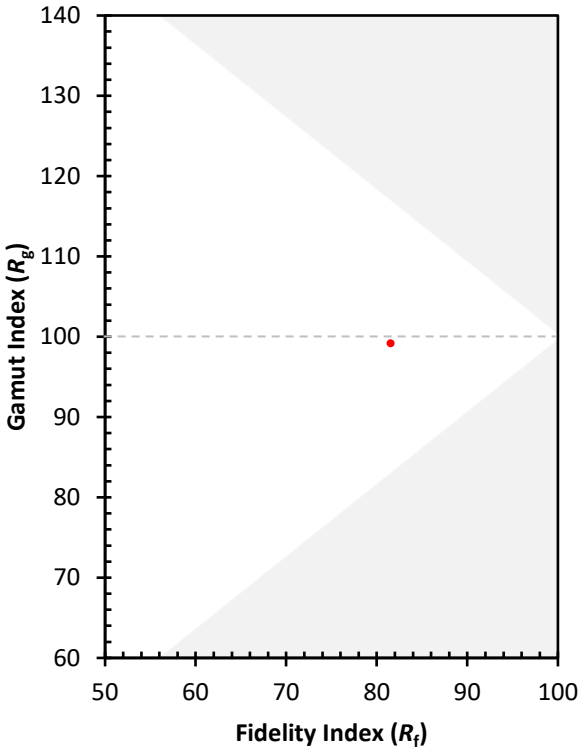


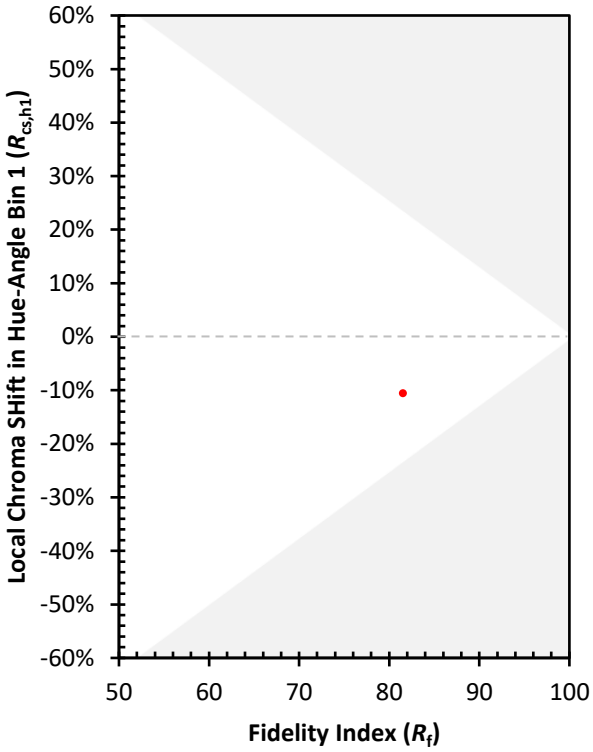


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Measure Comparisons





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