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: P1202748

Luminaire Tested: GWC-SB2A-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:	P1202748
	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-SB2A-830-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 350mA 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:	6102 lumens
Efficiency:	N/A
Efficacy:	106.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

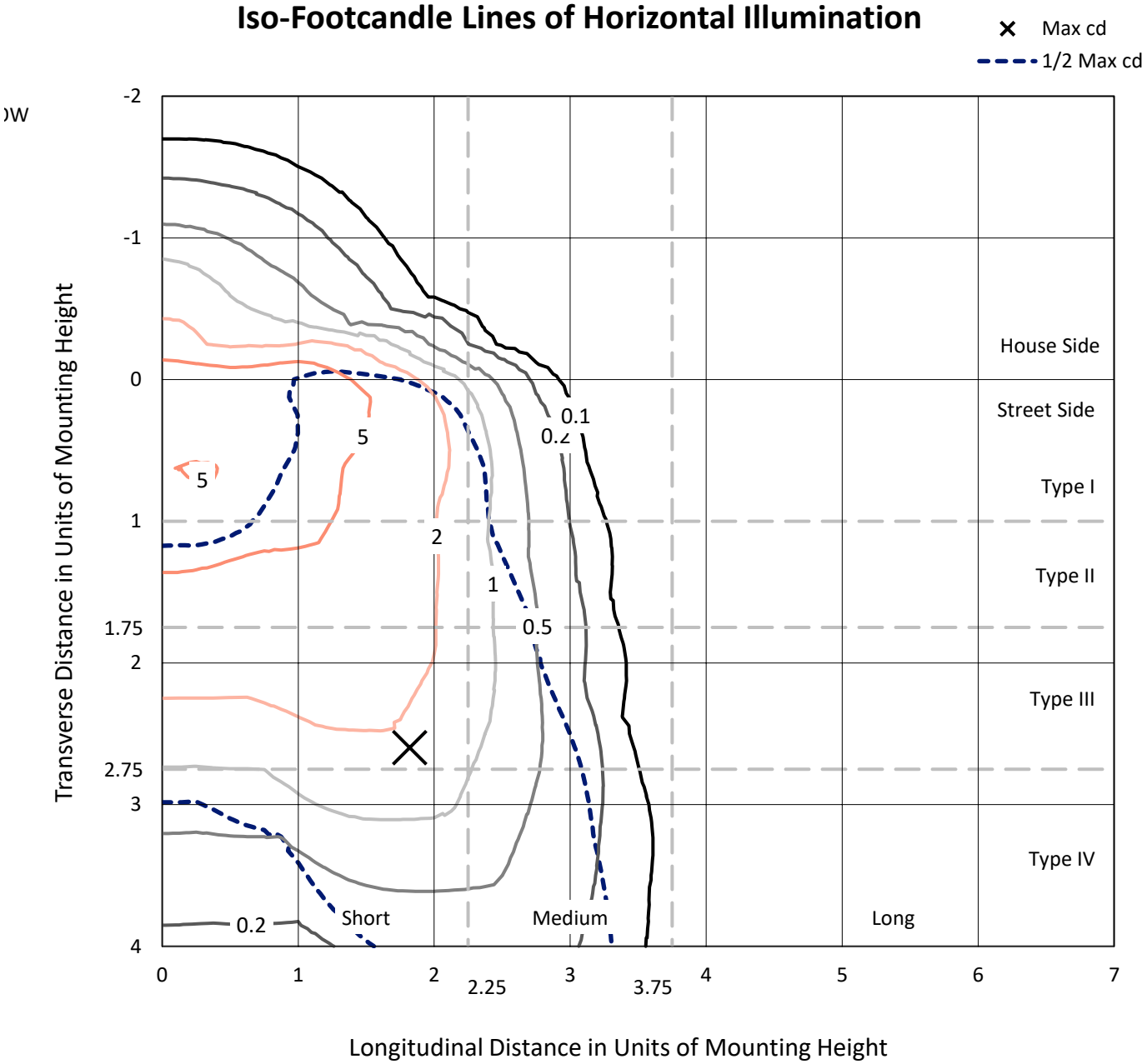


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REPORT NUMBER: P1202748
CATALOG NUMBER: GWC-SB2A-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



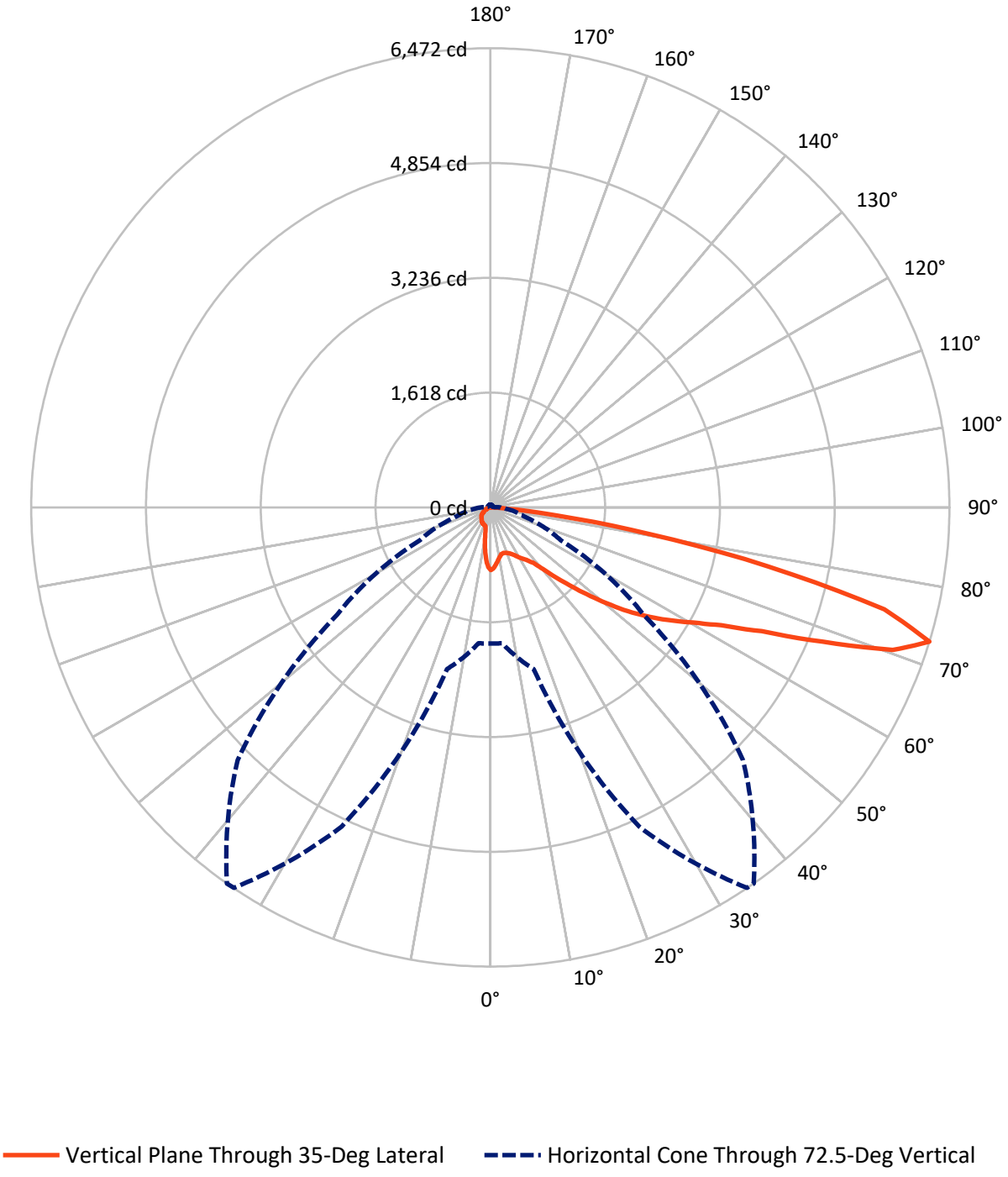
Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
Type IV - Short - N/A

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REPORT NUMBER: P1202748
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Luminous Intensity Polar Plot



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Scaled Data Report

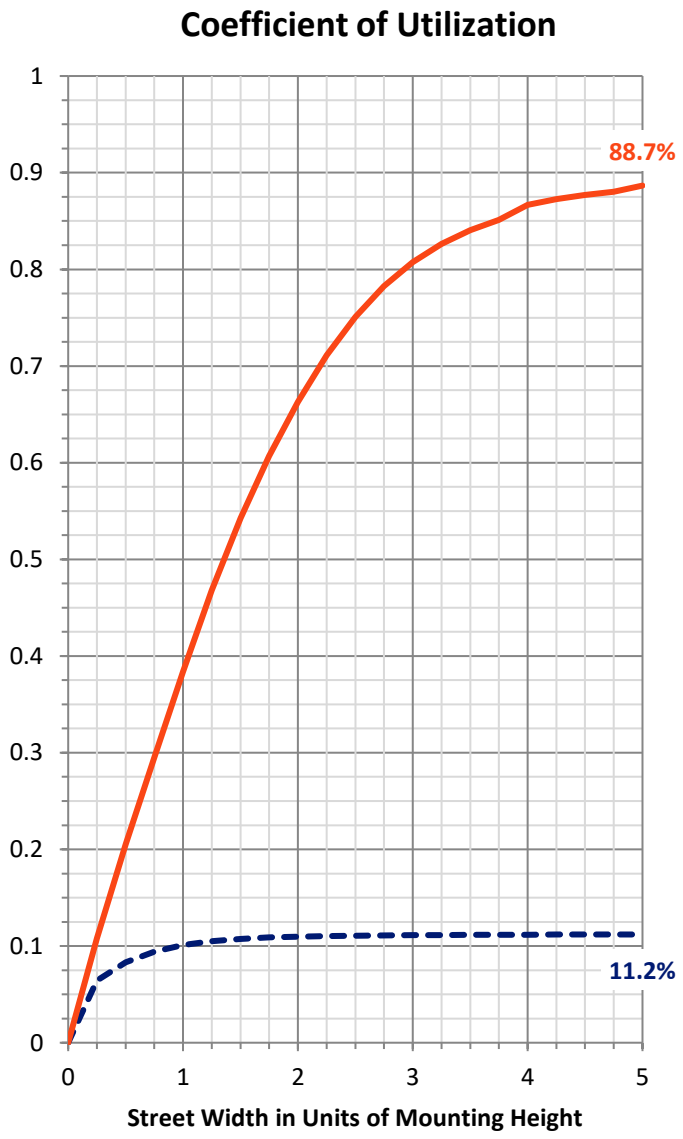
REPORT NUMBER: P1202748
CATALOG NUMBER: GWC-SB2A-830-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	686.7	0.0	686.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	5415.2	0.0	5415.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	6102.0	0.0	6102.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	1.2
10°-20°	170.0	2.8
20°-30°	276.2	4.5
30°-40°	460.8	7.6
40°-50°	871.8	14.3
50°-60°	1385.3	22.7
60°-70°	1713.8	28.1
70°-80°	1065.3	17.5
80°-90°	86.1	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°	6102.0	100.0
0°-180°	6102.0	100.0



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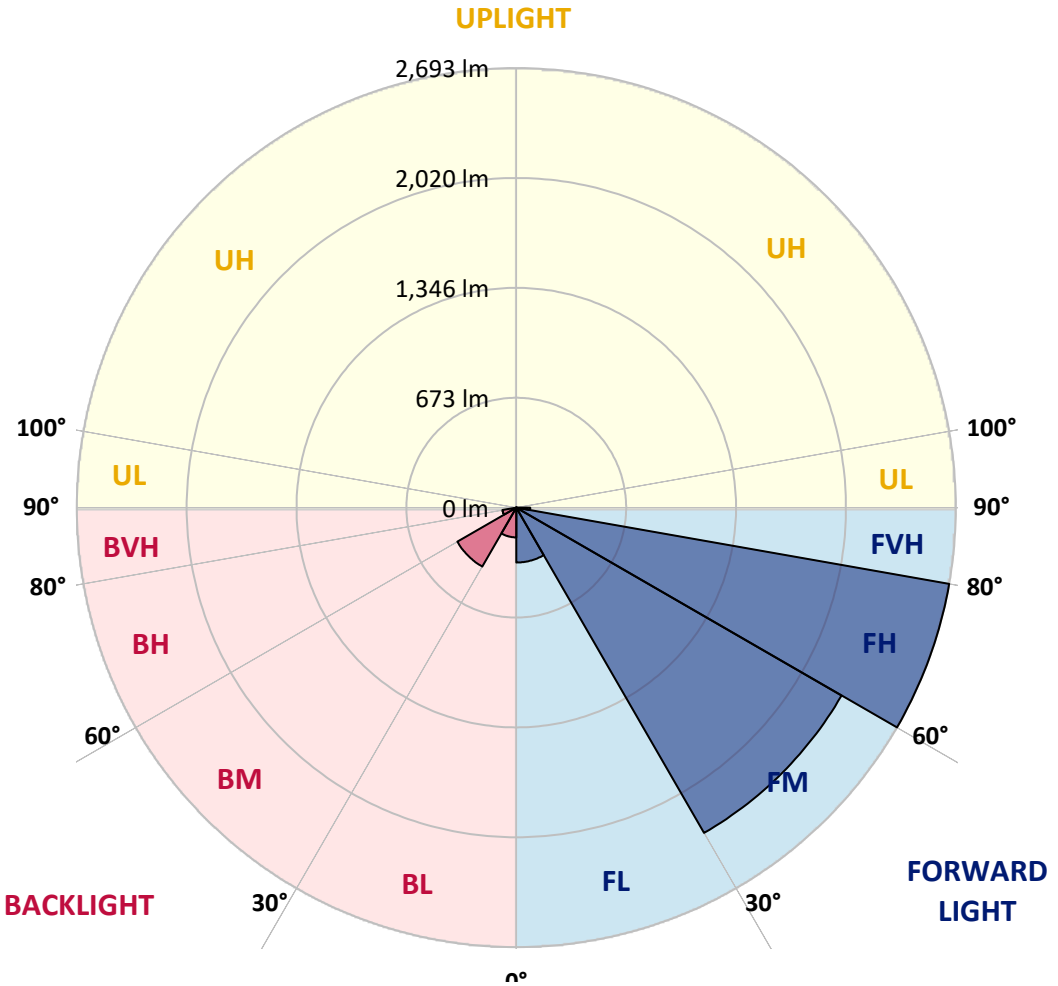
Scaled Data Report

REPORT NUMBER: P1202748
CATALOG NUMBER: GWC-SB2A-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°)	336.4	5.5			
FM	(30°-60°)	2301.1	37.7			
FH	(60°-80°)	2692.9	44.1			G2/5000
FVH	(80°-90°)	84.9	1.4			G1/100
BL	(0°-30°)	182.5	3.0	B1/500		
BM	(30°-60°)	416.9	6.8	B1/1000		
BH	(60°-80°)	86.2	1.4	B0/110		G0/110
BVH	(80°-90°)	1.2	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-G2
Type IV Short



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Scaled Data Report

REPORT NUMBER: P1202748
CATALOG NUMBER: GWC-SB2A-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	884.4	884.4	884.4	884.4	884.4	*884.4*	884.4	884.4	884.4	884.4	884.4
2.5°	845.0	852.2	853.5	855.8	855.8	*858.5*	862.9	869.2	879.5	884.8	888.4
5°	778.9	784.2	790.9	796.3	806.6	*807.9*	825.4	842.4	866.1	883.9	896.5
7.5°	712.2	718.5	727.4	740.4	753.8	*757.9*	784.2	812.8	850.4	883.9	905.0
10°	665.3	665.7	673.8	686.8	708.2	*713.1*	745.3	786.0	833.0	878.6	913.0
12.5°	638.9	642.1	645.6	655.5	676.0	*679.2*	713.6	761.4	815.5	875.4	922.4
15°	638.9	641.2	643.4	648.3	664.9	*667.5*	697.9	745.8	806.6	876.8	937.6
17.5°	645.6	649.2	647.4	653.2	670.7	*672.5*	699.3	741.3	806.1	885.3	960.8
20°	661.7	664.4	660.8	664.4	681.8	*685.4*	713.1	749.8	813.7	900.0	989.9
22.5°	687.2	688.6	680.1	682.7	700.6	*705.1*	737.3	773.9	832.1	923.7	1028.8
25°	719.4	722.1	709.1	712.2	729.2	*734.6*	771.7	810.2	861.1	956.4	1078.4
27.5°	756.5	757.9	746.7	746.2	768.1	*775.7*	813.3	854.9	900.0	997.5	1141.0
30°	799.0	803.0	792.3	790.5	818.2	*824.5*	861.6	909.9	957.3	1059.2	1230.0
32.5°	832.5	835.6	829.4	833.9	862.0	*866.9*	920.2	987.7	1047.1	1146.8	1351.2
35°	880.8	882.6	868.3	876.3	908.5	*921.0*	1000.2	1096.8	1160.3	1256.8	1509.4
37.5°	1055.6	1055.6	994.8	955.0	985.9	*997.1*	1109.7	1234.0	1299.7	1404.4	1708.9
40°	1297.5	1293.5	1204.5	1123.1	1119.1	*1141.0*	1265.8	1407.1	1479.9	1581.4	1933.3
42.5°	1555.5	1549.2	1428.1	1347.6	1334.2	*1341.8*	1446.0	1620.3	1694.5	1797.4	2174.7
45°	1784.4	1782.6	1671.7	1563.5	1539.4	*1563.5*	1670.9	1869.8	1923.0	2031.2	2415.7
47.5°	1976.2	1976.2	1895.3	1824.7	1812.1	*1826.4*	1975.3	2146.6	2141.7	2280.3	2650.5
50°	2197.1	2195.3	2118.4	2088.0	2101.0	*2121.1*	2325.9	2438.1	2367.9	2524.8	2860.2
52.5°	2351.8	2362.5	2336.2	2331.2	2397.4	*2432.3*	2681.8	2723.3	2570.4	2756.9	3017.1
55°	2474.3	2486.8	2517.2	2551.7	2679.1	*2724.7*	3026.5	2993.9	2739.9	2958.1	3107.4
57.5°	2647.8	2629.9	2676.9	2744.8	2950.9	*3005.9*	3360.5	3249.2	2876.3	3121.3	3117.3
60°	2858.4	2861.1	2869.1	2955.0	3222.3	*3293.0*	3689.6	3490.6	2963.9	3221.4	3008.2
62.5°	3111.4	3115.5	3132.0	3263.9	3586.7	*3653.3*	4040.1	3688.2	3004.1	3193.3	2726.5
65°	3094.0	3111.0	3295.7	3746.8	4140.7	*4206.4*	4449.2	3826.8	2943.3	2935.7	2219.9
67.5°	2818.6	2846.3	3155.3	4323.6	4975.9	*5049.2*	4943.7	3854.1	2680.9	2282.9	1448.2
70°	2457.3	2467.2	2838.7	4842.2	5943.0	*6017.2*	5386.3	3554.1	2034.4	1273.4	648.8
72.5°	*1919.0*	*1921.2*	*2357.2*	*4962.5*	*6467.9*	*6471.9*	*5038.9*	*2638.4*	*1094.1*	*489.1*	*225.3*
75°	1370.8	1357.4	1578.7	4024.4	5690.4	*5736.0*	3777.6	1237.6	418.0	231.2	112.2
77.5°	735.0	749.8	893.3	2386.7	3931.0	*4008.8*	2061.2	356.8	212.8	157.4	74.2
80°	227.1	239.7	366.2	1092.7	2226.6	*2273.6*	764.1	158.7	148.4	112.2	48.7
82.5°	71.5	74.2	170.8	459.2	924.2	*945.6*	221.3	89.9	101.5	74.2	28.6
85°	20.6	21.0	76.0	171.2	228.5	*232.9*	62.1	34.9	58.1	46.1	14.8
87.5°	2.2	7.2	28.6	28.6	20.1	*19.7*	6.7	7.6	16.5	5.8	2.7
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: P1202748
CATALOG NUMBER: GWC-SB2A-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	884.4	884.4	884.4	884.4	884.4	884.4	884.4	884.4	884.4	884.4	884.4
2.5°	886.2	886.6	880.8	871.0	860.2	851.3	840.1	831.2	824.9	823.1	826.3
5°	892.4	889.3	872.8	842.8	807.0	776.2	741.8	714.5	696.6	689.0	691.7
7.5°	901.8	892.9	856.7	797.6	729.2	668.4	606.7	558.9	528.5	513.3	515.5
10°	909.9	892.0	829.8	732.4	627.7	535.6	452.5	394.8	362.6	347.4	347.9
12.5°	917.5	891.5	795.0	655.0	513.3	400.6	323.3	294.6	285.7	282.6	281.7
15°	931.8	892.9	751.1	566.5	399.3	302.7	274.5	274.1	275.9	275.0	274.5
17.5°	951.5	894.2	701.5	472.6	308.1	266.9	265.6	269.6	272.3	270.9	270.5
20°	976.9	899.6	648.8	379.6	264.7	258.0	261.1	264.7	266.9	264.7	264.2
22.5°	1012.7	909.0	591.1	304.9	250.8	252.6	255.3	259.3	261.6	258.4	258.0
25°	1056.5	923.7	534.3	265.1	244.1	246.4	250.4	254.9	257.5	254.4	254.0
27.5°	1113.3	947.4	482.0	256.2	237.4	238.8	244.6	251.3	254.9	250.8	250.8
30°	1195.6	986.3	436.8	260.2	233.4	230.3	238.3	247.7	251.7	248.1	247.7
32.5°	1304.7	1041.3	409.1	266.5	231.6	220.4	228.0	240.1	246.8	244.6	244.6
35°	1447.7	1124.9	398.4	273.6	230.3	210.1	215.5	228.5	240.1	242.3	242.3
37.5°	1621.2	1241.2	401.5	276.8	226.2	201.6	204.3	215.5	230.7	237.9	239.7
40°	1818.4	1376.7	419.4	273.6	221.8	194.5	194.9	203.4	216.8	227.6	231.2
42.5°	2021.8	1534.9	452.5	262.0	217.7	188.2	186.9	192.7	201.6	209.2	212.4
45°	2215.4	1697.7	485.1	245.9	212.8	182.0	178.8	181.1	182.9	186.0	187.8
47.5°	2384.4	1812.1	475.7	231.2	206.1	174.8	169.5	168.6	163.2	162.7	162.3
50°	2501.1	1837.2	422.5	216.4	196.3	166.8	158.3	152.9	143.5	139.1	139.5
52.5°	2538.2	1738.4	345.2	201.6	180.2	156.0	144.0	135.5	123.8	119.8	119.4
55°	2489.1	1544.8	275.9	183.8	157.8	141.7	128.3	117.1	107.8	102.8	102.8
57.5°	2368.8	1298.4	218.2	162.7	134.1	125.6	112.2	101.0	93.0	88.1	87.2
60°	2169.4	1031.0	172.6	137.7	114.5	108.2	94.3	87.2	80.0	74.2	72.9
62.5°	1866.7	735.9	135.5	109.1	95.7	88.5	80.5	75.1	66.6	58.6	57.2
65°	1456.7	450.2	104.6	80.0	76.9	73.3	68.4	63.5	53.2	45.2	43.8
67.5°	918.8	213.3	74.7	60.4	60.8	59.0	56.8	52.8	45.2	38.0	37.1
70°	404.6	103.3	49.2	46.1	45.2	45.2	46.9	45.6	38.5	31.7	30.4
72.5°	*137.7*	*55.4*	*36.7*	*34.9*	*32.6*	*32.2*	*39.3*	*38.0*	*30.9*	*24.6*	*23.2*
75°	72.0	37.1	26.8	25.0	19.7	23.7	31.3	29.5	21.9	16.1	14.8
77.5°	46.9	26.4	18.3	16.1	11.2	15.6	23.2	20.6	13.0	8.0	7.2
80°	29.5	17.4	10.7	7.6	5.4	8.5	12.5	8.9	4.9	1.8	1.3
82.5°	15.6	8.9	4.0	2.7	2.2	2.7	3.1	2.2	0.9	0.0	0.0
85°	6.3	3.1	1.3	0.9	0.4	0.0	0.9	0.4	0.0	0.0	0.0
87.5°	2.2	0.4	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

0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

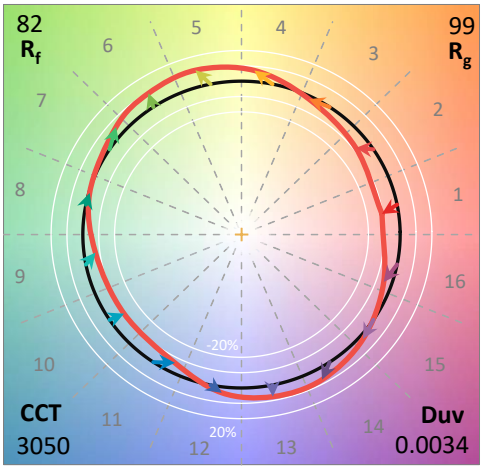
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

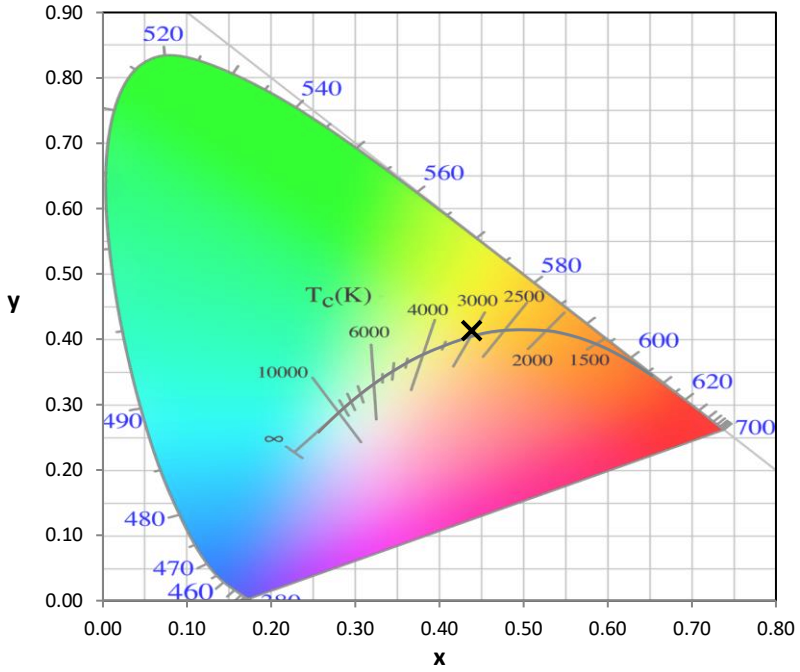
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

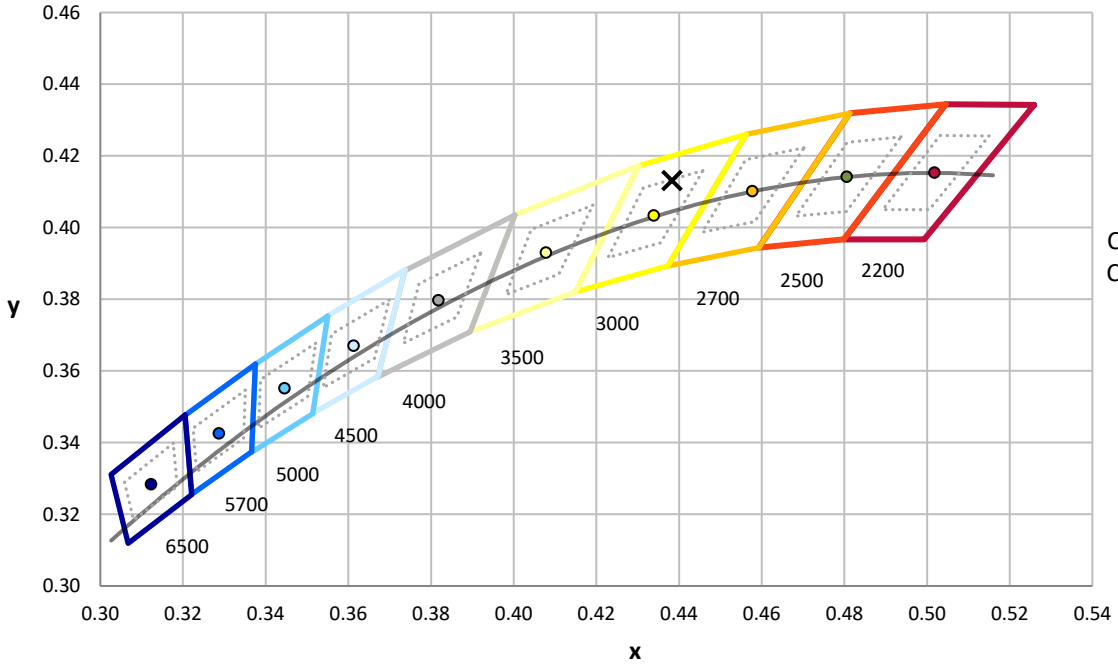
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

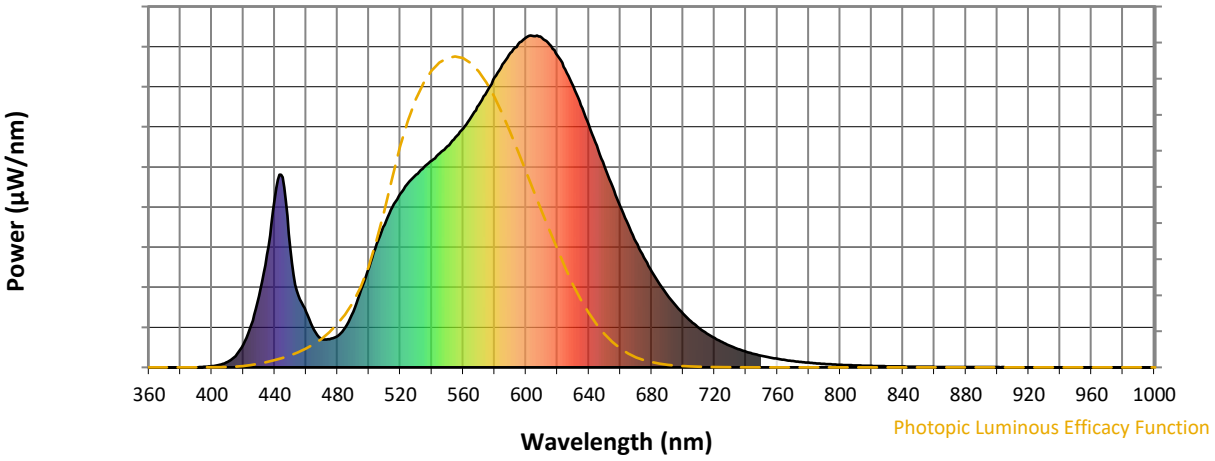


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

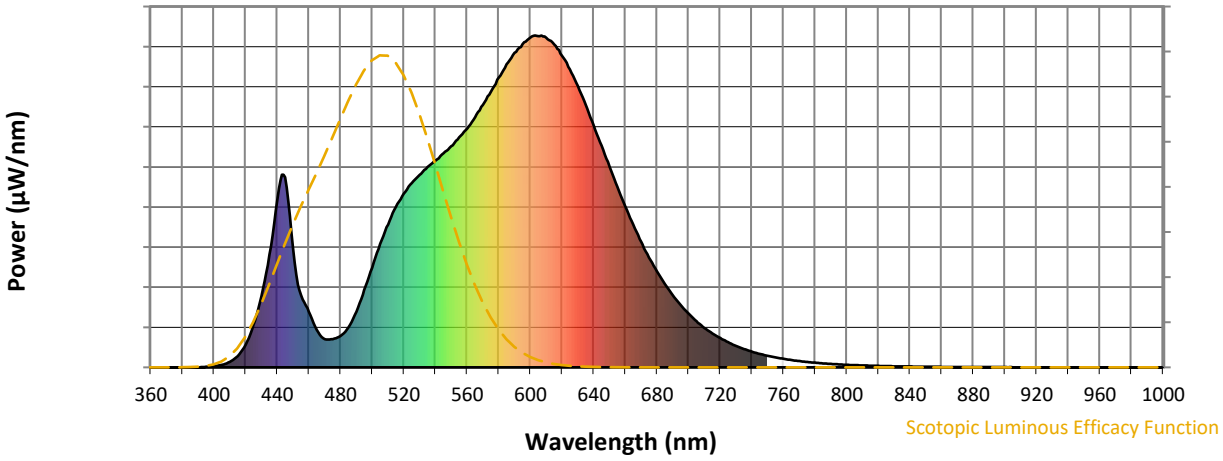


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

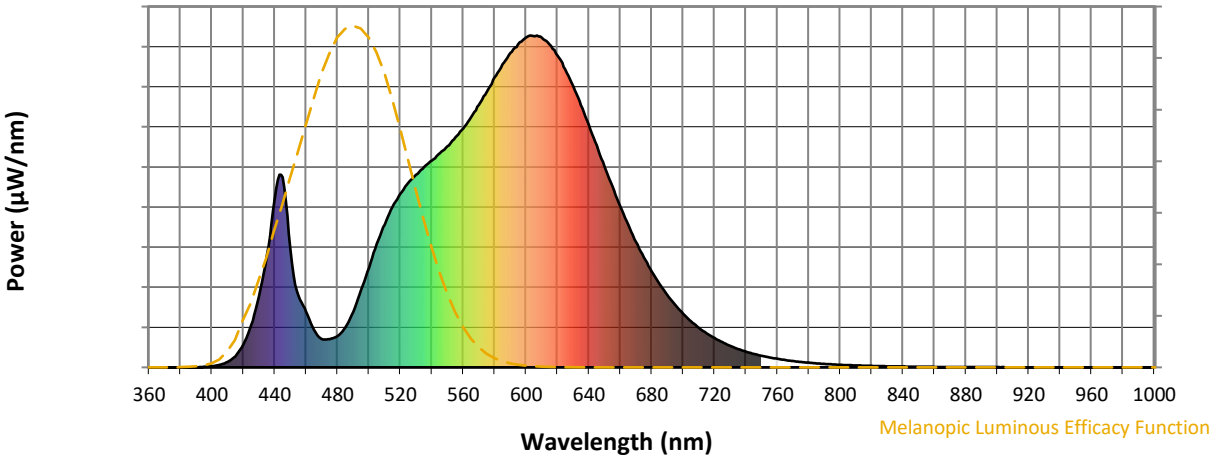


Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

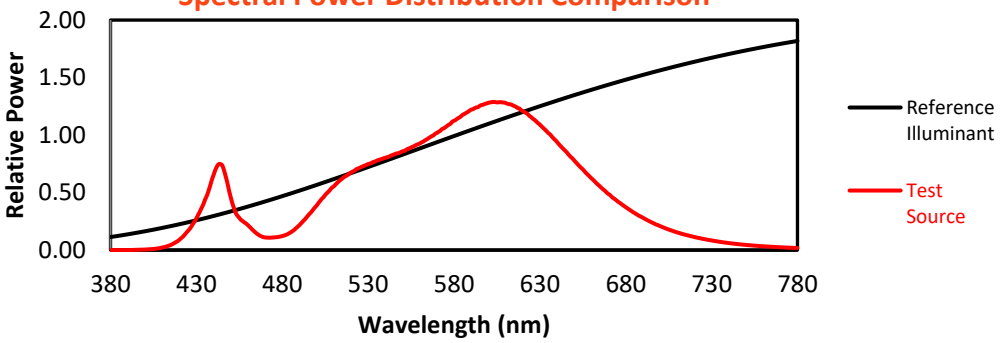
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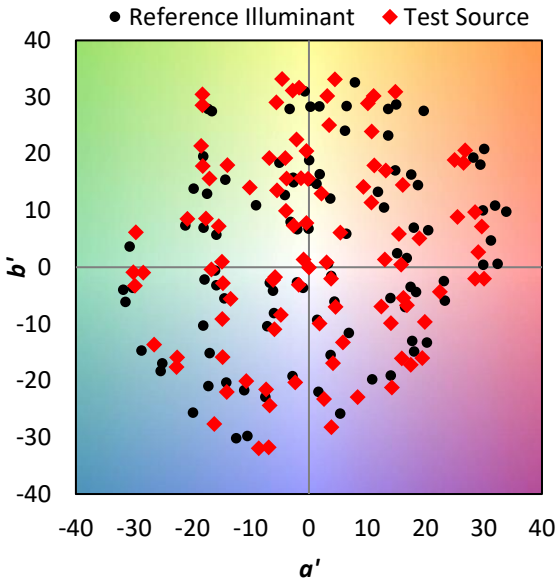
Summary

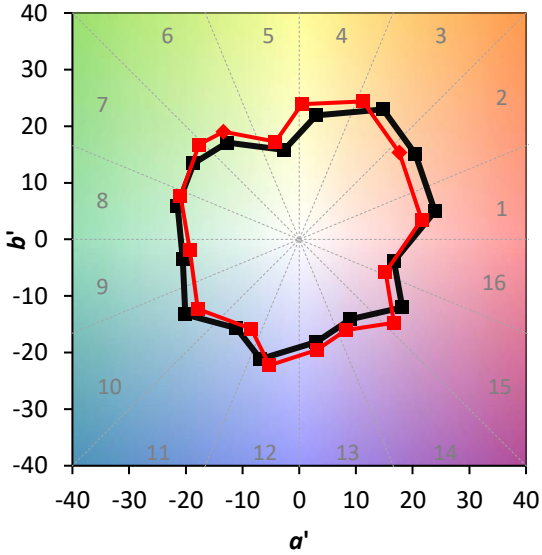
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

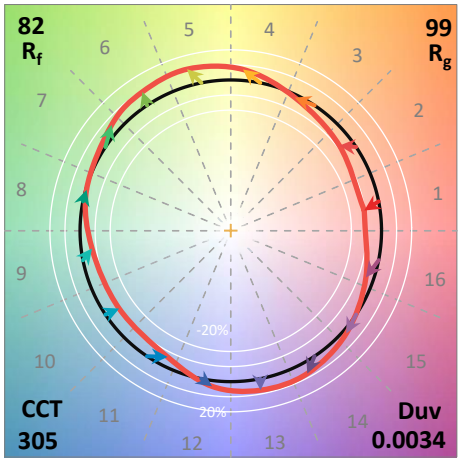
Spectral Power Distribution Comparison

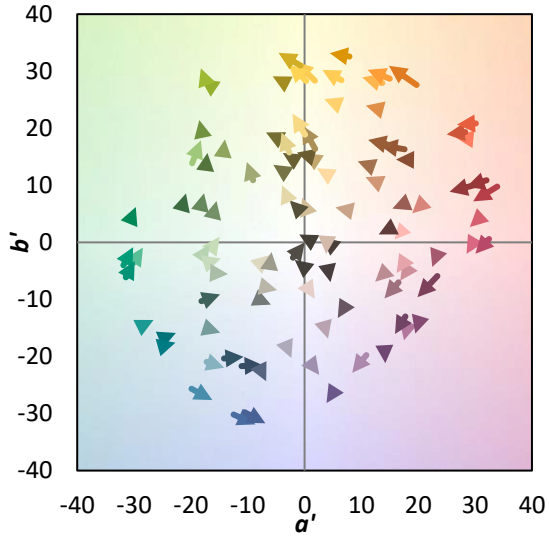


Color Vector Graphics







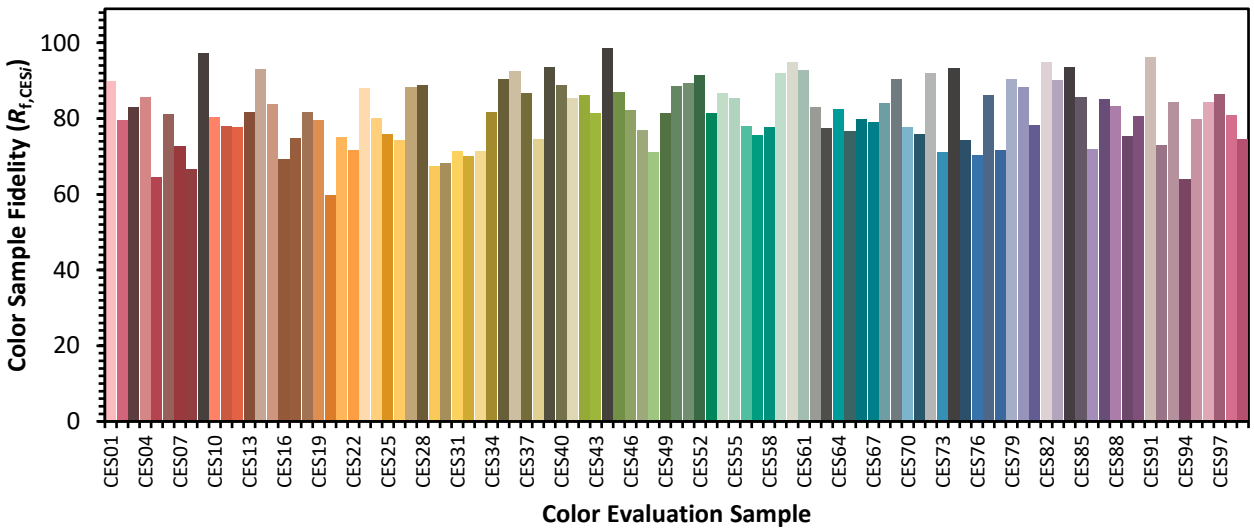


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Individual Sample Fidelity Index ($R_{f,i}$)

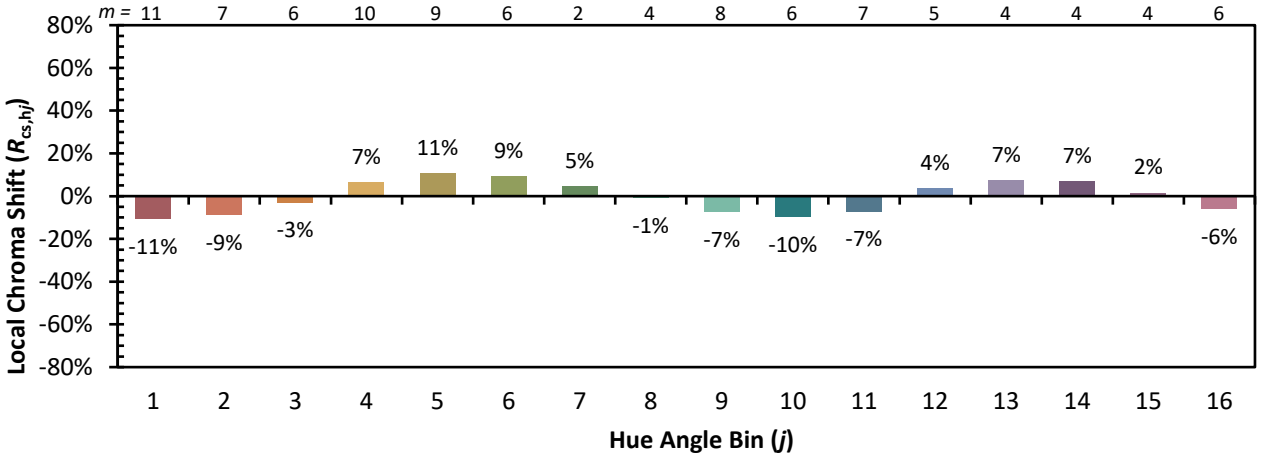
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CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57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

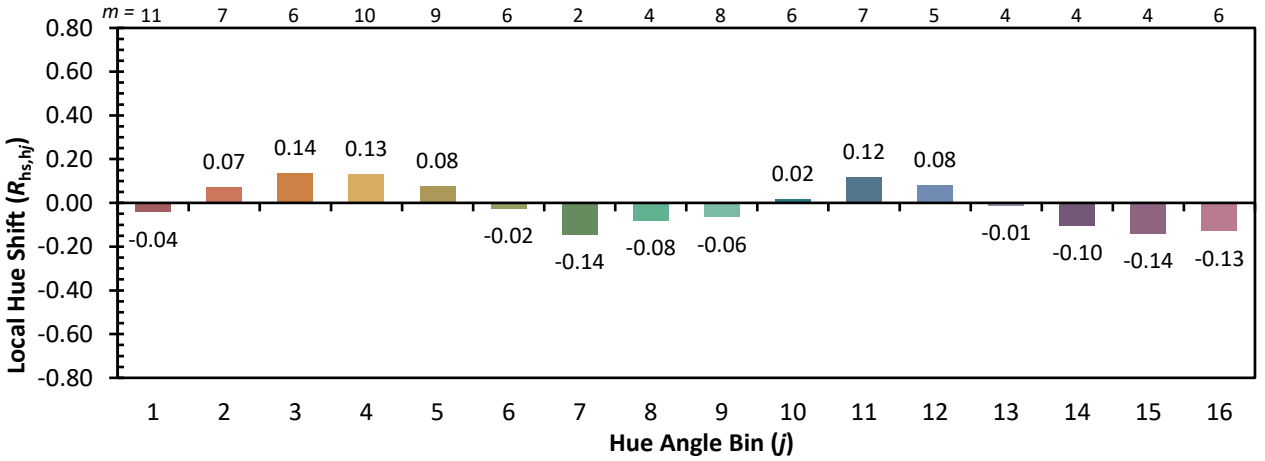


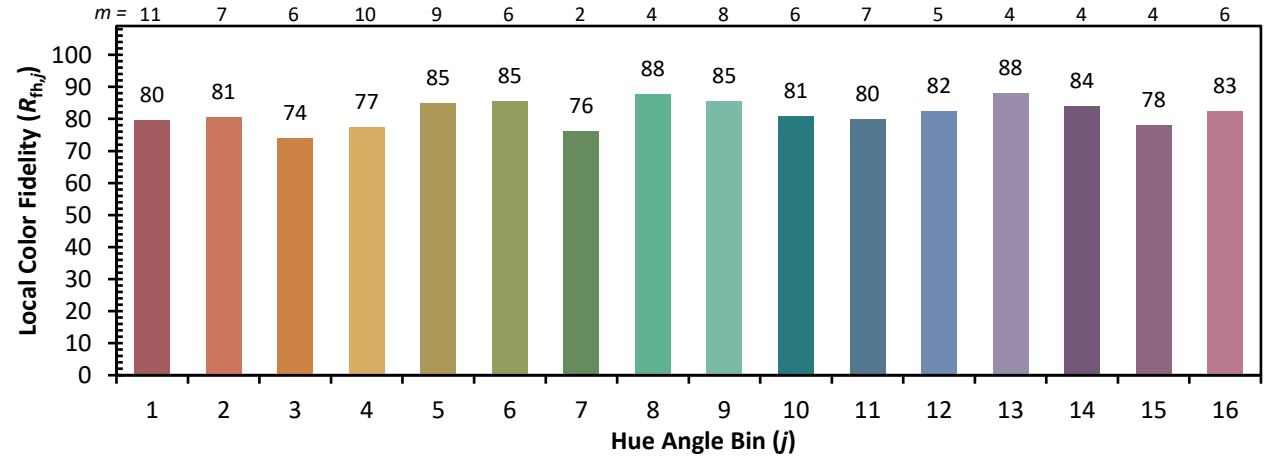
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Color Rendition by Hue-Angle Bin



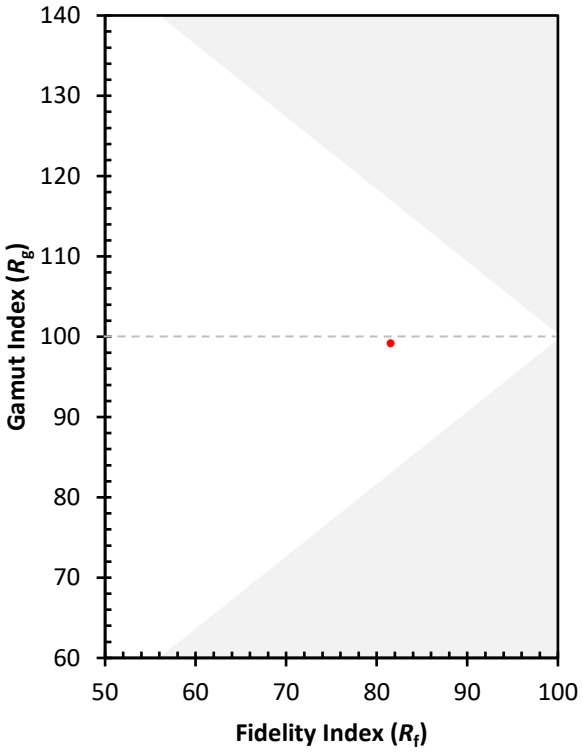


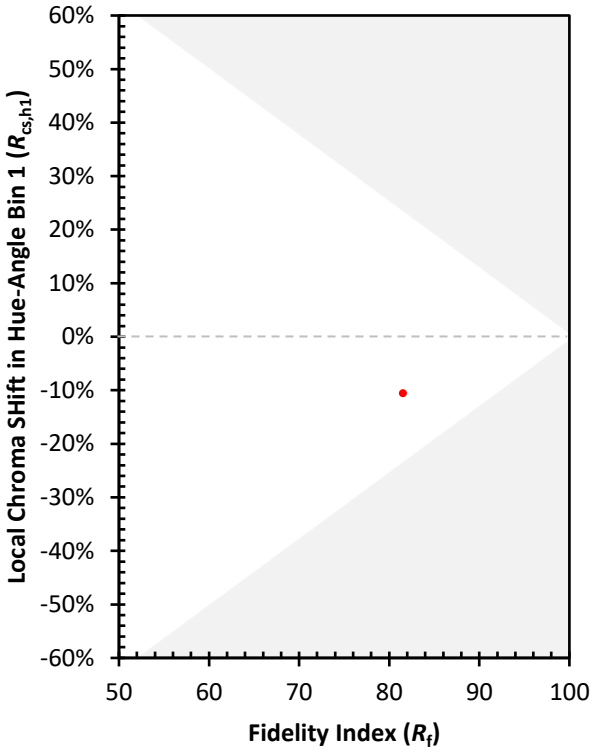


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Measure Comparisons





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