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

Scaled data based on original data using

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

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642962

Luminaire Tested: GWS-SA6D-830-U-T4W-W

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

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

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P642962
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-T4W-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28212.5 lumens
Efficiency:	N/A
Efficacy:	114.8 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	245.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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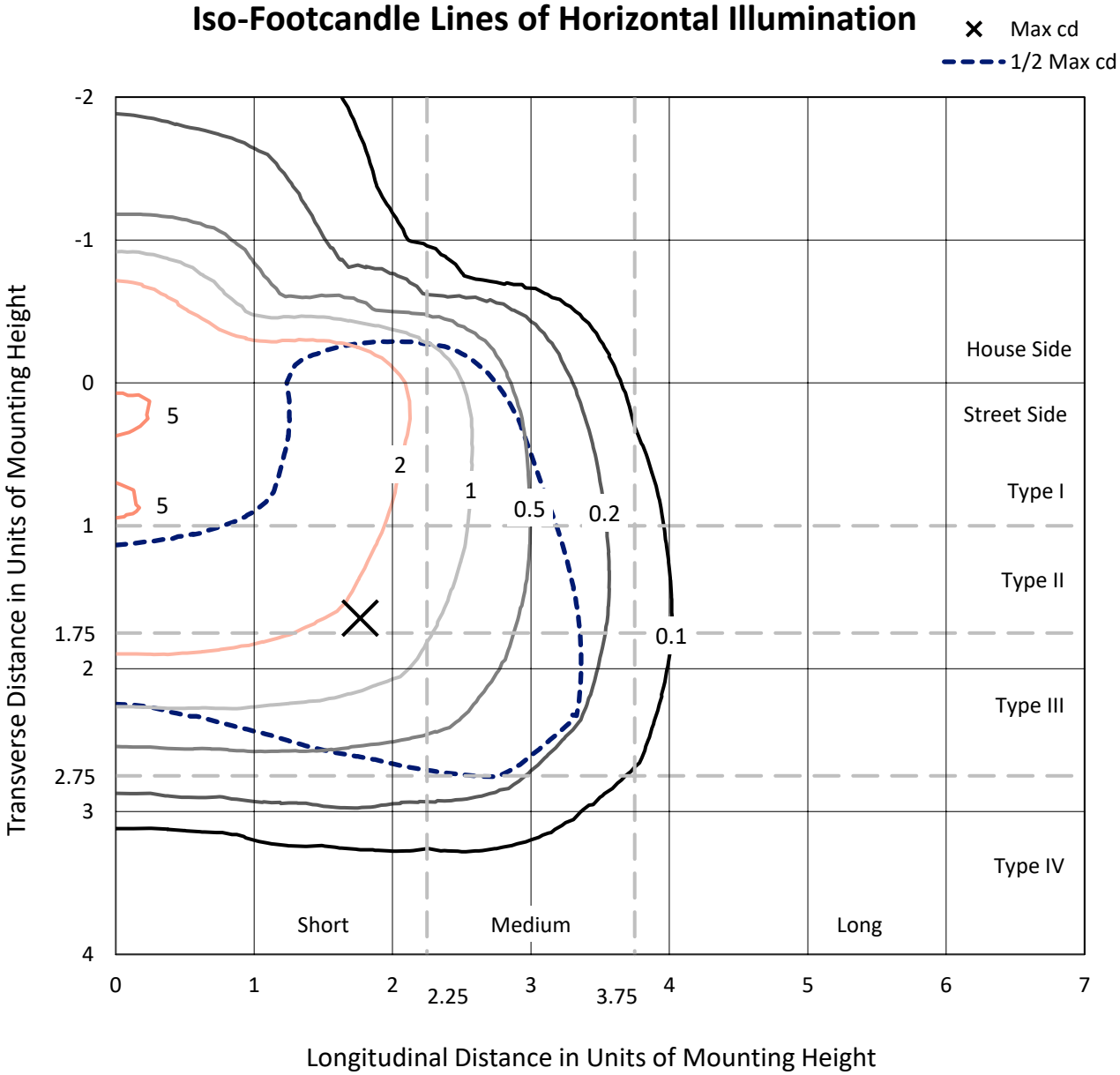
Scaled Data Report

REPORT NUMBER: P642962
CATALOG NUMBER: GWS-SA6D-830-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
Type III - Short - N/A

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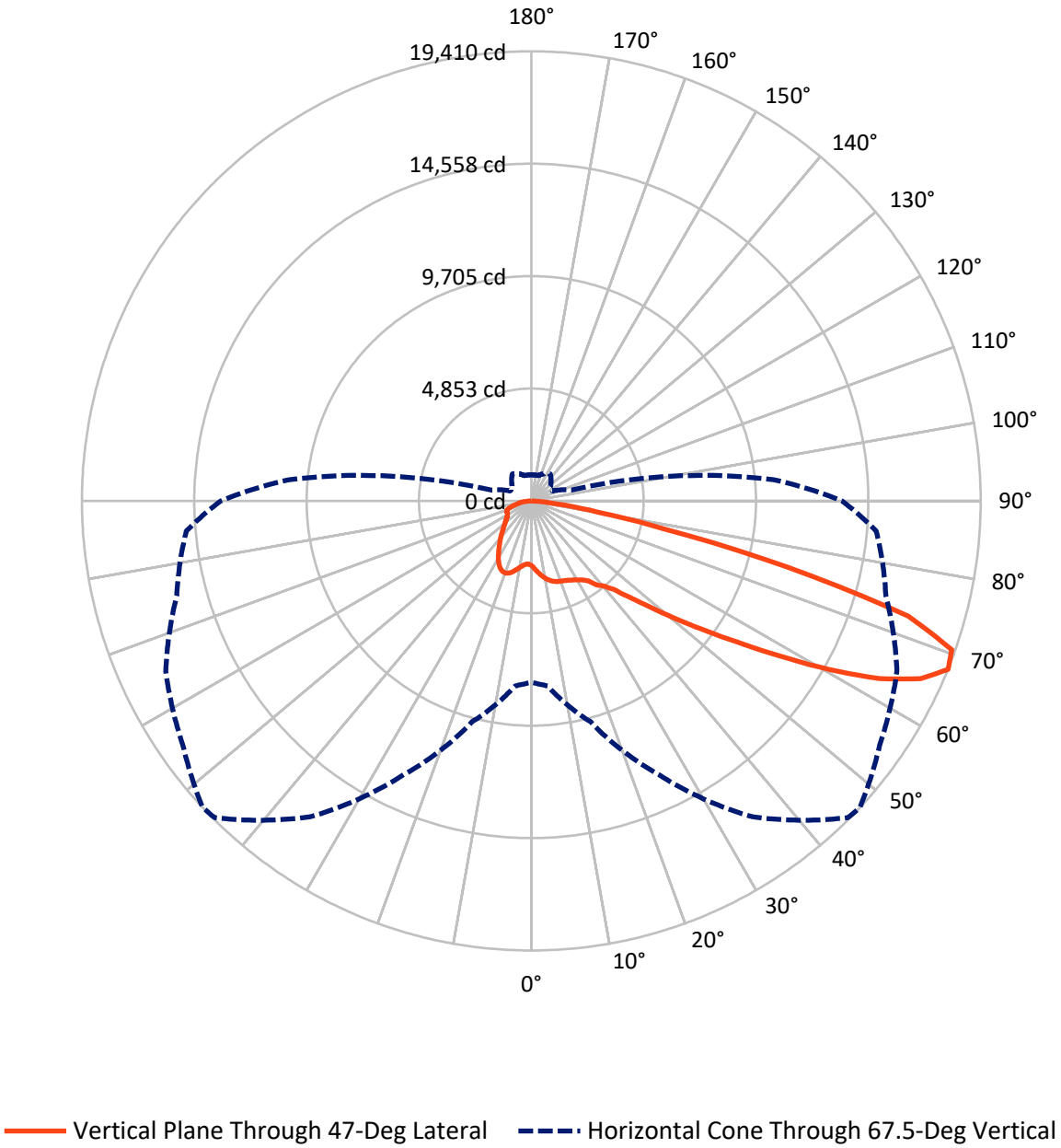
Luminous Intensity Polar Plot



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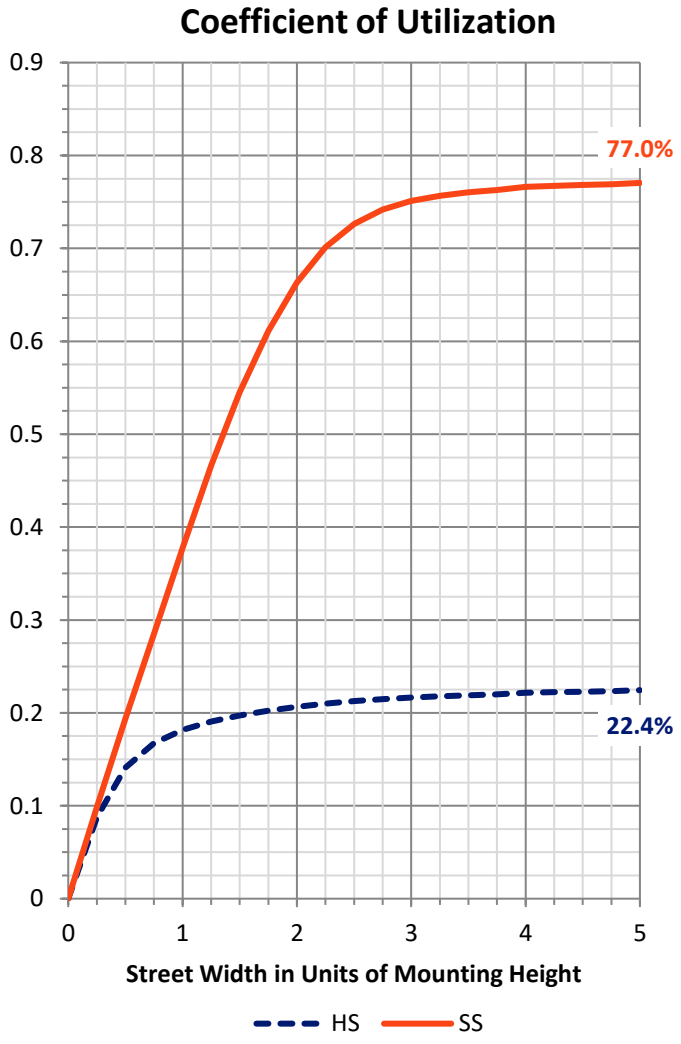
REPORT NUMBER: P642962
CATALOG NUMBER: GWS-SA6D-830-U-T4W-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6429.8	0.0	6429.8
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	21782.7	0.0	21782.7
	% Fixture	77.2	0.0	77.2
Total	Lumens	28212.5	0.0	28212.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.8	1.0
10°-20°	952.3	3.4
20°-30°	1618.6	5.7
30°-40°	2371.1	8.4
40°-50°	3612.7	12.8
50°-60°	6463.9	22.9
60°-70°	8625.3	30.6
70°-80°	3900.6	13.8
80°-90°	382.2	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°	28212.5	100.0
0°-180°	28212.5	100.0



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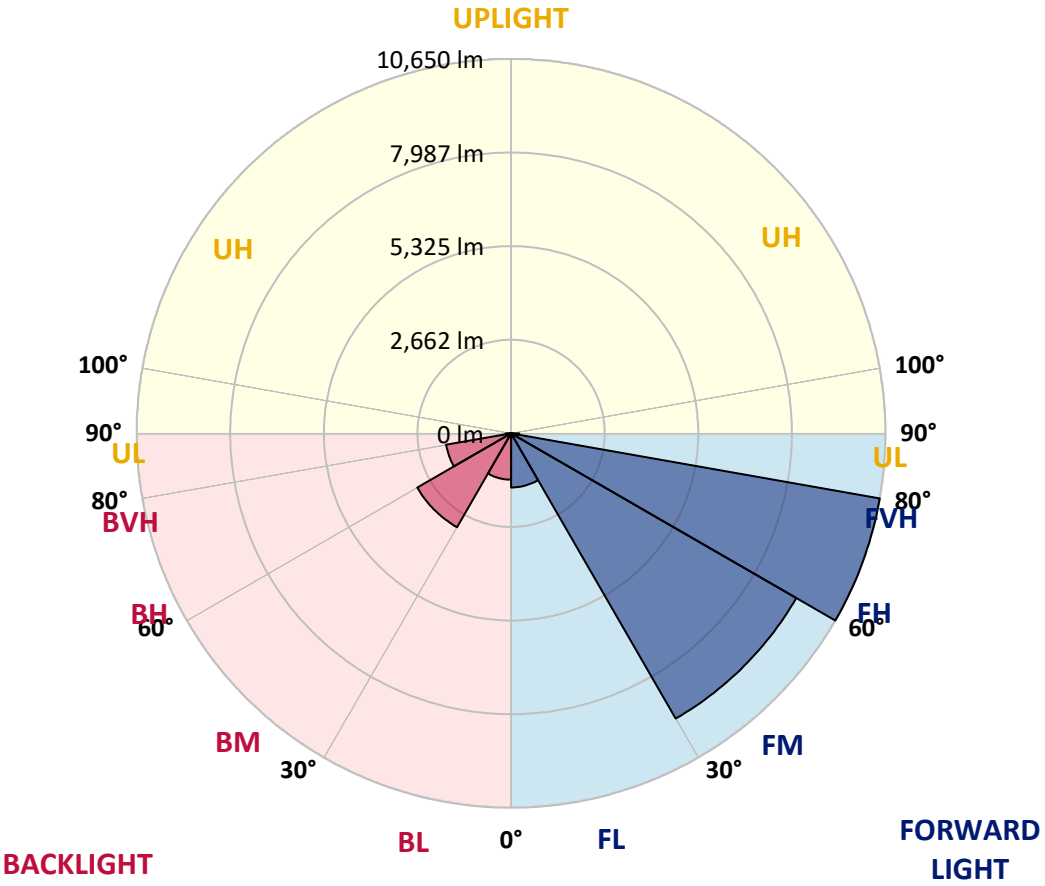
REPORT NUMBER: P642962
CATALOG NUMBER: GWS-SA6D-830-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1538.6	5.5			
FM	(30°-60°)	9366.8	33.2			
FH	(60°-80°)	10649.9	37.7			G4/12000
FVH	(80°-90°)	227.3	0.8			G3/500
BL	(0°-30°)	1318.1	4.7	B3/2500		
BM	(30°-60°)	3080.9	10.9	B3/5000		
BH	(60°-80°)	1876.0	6.6	B3/2500		G3/2500
BVH	(80°-90°)	154.8	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Short



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REPORT NUMBER: P642962
CATALOG NUMBER: GWS-SA6D-830-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2796.8	2796.8	2796.8	2796.8	2796.8	2796.8	*2796.8*	2796.8	2796.8	2796.8	2796.8
2.5°	2982.4	2992.6	2990.5	2974.2	2964.0	2945.7	*2947.7*	2919.1	2876.3	2847.7	2815.1
5°	3245.5	3261.9	3241.5	3214.9	3174.1	3115.0	*3108.9*	3043.6	2962.0	2904.9	2845.7
7.5°	3474.0	3484.2	3459.7	3414.9	3355.7	3276.1	*3261.9*	3184.3	3082.3	2992.6	2906.9
10°	3651.5	3663.7	3631.1	3571.9	3494.4	3414.9	*3404.7*	3325.1	3217.0	3110.9	3002.8
12.5°	3802.4	3806.5	3771.8	3692.3	3608.6	3527.0	*3516.8*	3443.4	3343.5	3235.3	3117.0
15°	3890.2	3892.2	3849.4	3761.6	3682.1	3610.7	*3604.6*	3541.3	3449.5	3347.5	3221.1
17.5°	3884.0	3888.1	3857.5	3780.0	3710.6	3667.8	*3661.7*	3620.9	3549.5	3457.7	3331.2
20°	3808.6	3812.6	3792.2	3741.2	3704.5	3692.3	*3694.3*	3682.1	3639.2	3563.8	3435.3
22.5°	3749.4	3755.5	3737.2	3700.4	3696.4	3724.9	*3731.0*	3737.2	3716.8	3649.4	3525.0
25°	3778.0	3788.2	3759.6	3708.6	3716.8	3780.0	*3792.2*	3812.6	3796.3	3739.2	3631.1
27.5°	3975.8	3982.0	3908.5	3804.5	3780.0	3847.3	*3865.7*	3898.3	3886.1	3833.0	3749.4
30°	4434.8	4430.7	4273.7	4018.7	3916.7	3943.2	*3957.5*	4004.4	4008.5	3973.8	3894.2
32.5°	5081.5	5061.1	4818.3	4412.4	4116.6	4051.3	*4067.6*	4130.9	4177.8	4141.1	4033.0
35°	5764.9	5746.5	5479.3	5004.0	4485.8	4259.4	*4241.0*	4290.0	4361.4	4259.4	4104.4
37.5°	6415.6	6387.0	6113.7	5526.2	4940.7	4624.5	*4598.0*	4549.1	4506.2	4310.4	4192.1
40°	7137.7	7105.1	6866.4	6201.4	5442.5	4904.0	*4836.7*	4642.9	4604.1	4479.7	4420.5
42.5°	7908.8	7908.8	7711.0	7056.1	6048.4	5303.8	*5216.1*	4924.4	4965.2	4883.6	4814.2
45°	8679.9	8702.4	8545.3	7917.0	6858.3	6058.6	*5917.9*	5503.7	5601.7	5564.9	5530.3
47.5°	9336.8	9379.6	9349.0	8796.2	7849.7	6976.6	*6762.4*	6332.0	6542.1	6629.8	6727.7
50°	10044.6	10091.6	10061.0	9842.7	9010.4	8088.3	*7896.6*	7451.9	7813.0	8076.1	8396.4
52.5°	11095.2	11162.5	10907.5	10823.9	10420.0	9351.1	*9179.7*	8673.8	9328.6	9765.2	10479.1
55°	11982.6	11980.5	11890.8	12082.5	11933.6	10895.3	*10705.6*	10246.6	11083.0	11546.0	12590.5
57.5°	12394.6	12443.6	12751.6	13294.3	13592.1	12782.2	*12600.7*	12131.5	12965.8	13206.5	14334.6
60°	12606.8	12668.0	13263.7	14336.7	15138.4	14842.6	*14771.2*	14173.5	14642.7	14614.1	15805.4
62.5°	12309.0	12431.4	13388.1	14814.0	16242.0	16913.1	*16890.7*	15987.0	16068.6	15789.1	16717.3
65°	10942.2	11074.8	12576.2	14575.3	16872.3	18487.9	*18494.1*	17629.1	17164.0	16360.3	16564.3
67.5°	*7825.2*	*8014.9*	*9871.2*	*13041.3*	*16650.0*	*19338.6*	*19410.0*	*18373.7*	*17421.0*	*15854.4*	*14956.8*
70°	4265.5	4404.2	5858.7	9479.6	14646.7	19134.6	*19267.2*	18014.7	16286.8	13714.5	11513.4
72.5°	1937.9	1982.8	2725.4	5201.8	10005.9	16470.4	*17025.3*	16076.7	13375.9	10130.3	7321.3
75°	887.4	907.8	1187.2	2488.7	5228.4	11021.8	*11411.4*	11974.4	9308.2	6397.2	3816.7
77.5°	556.9	563.0	675.2	1138.3	2607.0	5501.7	*5911.7*	7129.6	5450.7	3166.0	1595.2
80°	328.4	334.5	420.2	616.1	1224.0	2517.3	*2906.9*	2819.2	2562.2	1366.8	726.2
82.5°	165.2	171.4	242.8	350.9	667.1	1001.6	*1179.1*	1185.2	954.7	740.5	410.0
85°	59.2	61.2	79.6	138.7	283.6	330.5	*369.2*	450.8	467.1	430.4	197.9
87.5°	0.0	0.0	2.0	4.1	8.2	32.6	*34.7*	65.3	136.7	153.0	79.6
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: P642962
CATALOG NUMBER: GWS-SA6D-830-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2796.8	2796.8	2796.8	2796.8	2796.8	2796.8	2796.8	2796.8	2796.8	2796.8	2796.8
2.5°	2804.9	2774.3	2764.1	2753.9	2737.6	2731.5	2719.2	2707.0	2707.0	2694.8	2688.6
5°	2819.2	2778.4	2751.9	2739.6	2729.4	2735.6	2735.6	2739.6	2753.9	2745.8	2749.8
7.5°	2870.2	2823.3	2786.6	2776.4	2776.4	2800.8	2817.2	2837.6	2864.1	2868.1	2868.1
10°	2959.9	2904.9	2866.1	2860.0	2870.2	2904.9	2929.3	2953.8	2986.5	2988.5	2992.6
12.5°	3057.9	3002.8	2964.0	2972.2	2982.4	3027.3	3053.8	3074.2	3106.8	3106.8	3104.8
15°	3159.9	3098.7	3066.0	3082.3	3112.9	3163.9	3168.0	3170.1	3186.4	3182.3	3180.3
17.5°	3265.9	3200.7	3176.2	3200.7	3233.3	3257.8	3237.4	3208.8	3202.7	3194.5	3190.5
20°	3370.0	3302.7	3292.5	3310.8	3321.0	3300.6	3237.4	3184.3	3159.9	3147.6	3143.5
22.5°	3459.7	3402.6	3396.5	3396.5	3345.5	3274.1	3180.3	3108.9	3076.2	3059.9	3055.8
25°	3565.8	3512.8	3502.6	3447.5	3316.9	3186.4	3059.9	2994.6	2968.1	2959.9	2962.0
27.5°	3690.2	3653.5	3620.9	3463.8	3235.3	3031.3	2888.5	2860.0	2849.8	2860.0	2866.1
30°	3843.2	3806.5	3733.1	3443.4	3104.8	2829.4	2692.7	2690.7	2721.3	2747.8	2751.9
32.5°	3967.7	3951.4	3831.0	3378.1	2921.2	2607.0	2490.8	2498.9	2554.0	2590.7	2596.8
35°	4065.6	4092.1	3912.6	3270.0	2702.9	2396.9	2305.1	2309.2	2339.8	2390.8	2392.8
37.5°	4204.3	4294.1	3986.0	3104.8	2452.0	2215.4	2131.7	2101.1	2097.1	2111.3	2115.4
40°	4483.8	4618.4	4039.1	2864.1	2209.3	2052.2	1958.3	1899.2	1848.2	1809.4	1797.2
42.5°	4906.0	5061.1	4069.7	2572.4	1993.0	1891.0	1784.9	1709.5	1619.7	1538.1	1509.6
45°	5681.2	5732.2	4069.7	2262.3	1801.3	1740.1	1634.0	1544.2	1430.0	1334.1	1313.7
47.5°	6921.5	6758.3	4073.8	1962.4	1631.9	1607.5	1515.7	1413.7	1287.2	1207.6	1195.4
50°	8790.1	8216.9	4157.4	1713.5	1491.2	1495.3	1428.0	1315.8	1201.5	1142.4	1132.2
52.5°	10907.5	10014.0	4381.8	1530.0	1372.9	1403.5	1366.8	1258.6	1156.6	1105.6	1095.4
55°	12898.5	11666.4	4573.5	1399.4	1272.9	1326.0	1323.9	1224.0	1132.2	1081.2	1075.0
57.5°	14591.7	12798.6	4545.0	1293.3	1187.2	1254.6	1285.2	1201.5	1115.8	1073.0	1066.9
60°	15644.3	13398.3	4139.0	1195.4	1122.0	1203.6	1262.7	1195.4	1124.0	1113.8	1115.8
62.5°	16101.2	13288.1	3359.8	1122.0	1079.1	1179.1	1287.2	1238.2	1199.5	1224.0	1238.2
65°	15391.3	12341.6	2472.4	1066.9	1038.3	1185.2	1344.3	1305.6	1199.5	1215.8	1221.9
67.5°	*13420.7*	*10505.7*	*1787.0*	*1011.8*	*987.3*	*1203.6*	*1425.9*	*1295.4*	*1130.1*	*1130.1*	*1117.9*
70°	9671.3	7555.9	1297.4	956.7	936.3	1177.0	1430.0	1226.0	1050.6	1044.4	1013.8
72.5°	5819.9	4457.3	1011.8	895.5	858.8	1044.4	1340.2	1144.4	973.0	922.1	885.3
75°	3023.2	2233.7	848.6	828.2	736.4	885.3	1226.0	1017.9	832.3	787.4	767.0
77.5°	1295.4	1044.4	728.3	738.5	612.0	744.6	989.4	881.3	738.5	681.3	663.0
80°	638.5	593.6	575.3	591.6	489.6	575.3	852.7	771.1	626.3	561.0	534.5
82.5°	365.1	346.8	414.1	420.2	348.8	481.4	720.1	652.8	518.1	446.7	403.9
85°	169.3	181.6	250.9	253.0	216.2	330.5	471.2	367.2	275.4	228.5	218.3
87.5°	67.3	79.6	110.2	108.1	63.2	61.2	40.8	22.4	18.4	16.3	14.3
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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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

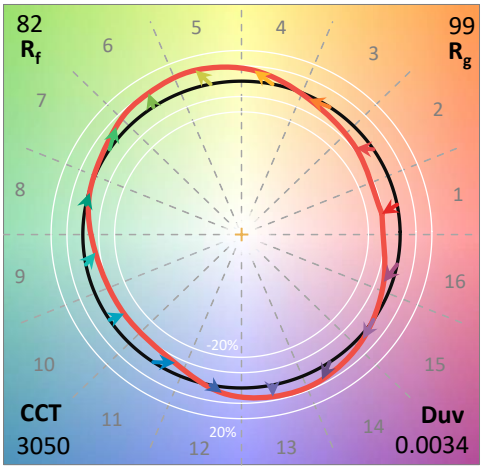
Test Information

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

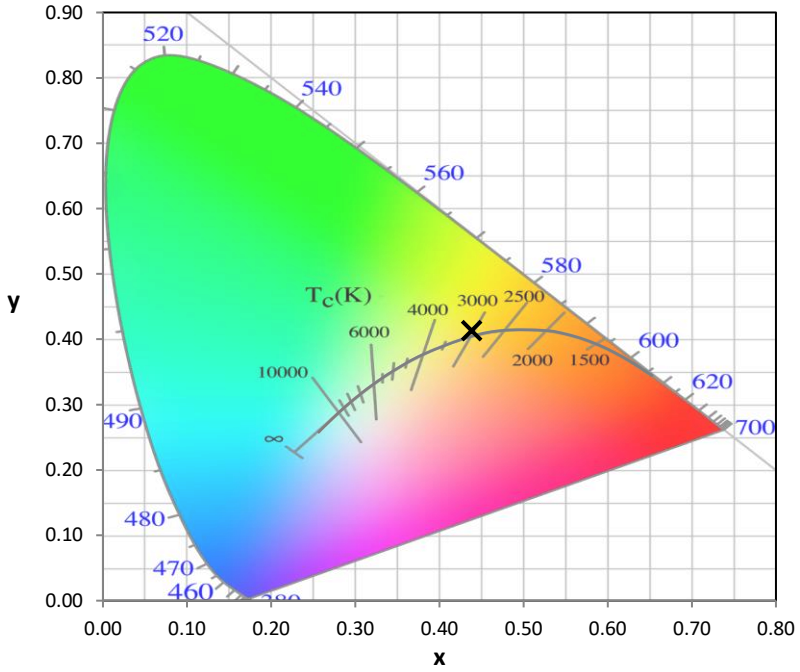
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

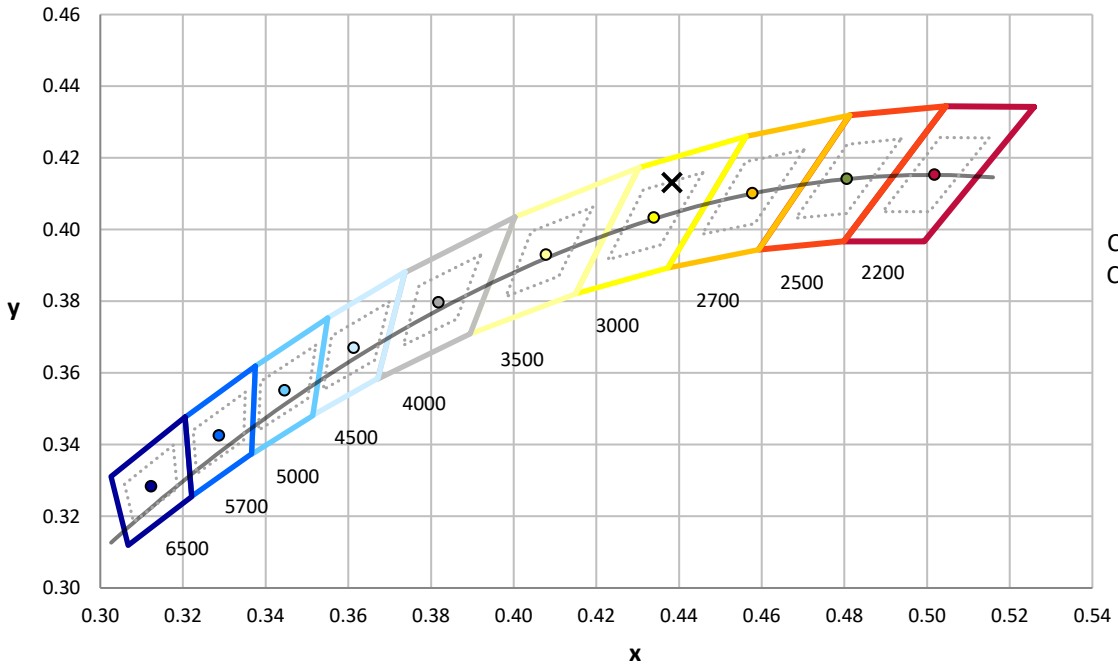
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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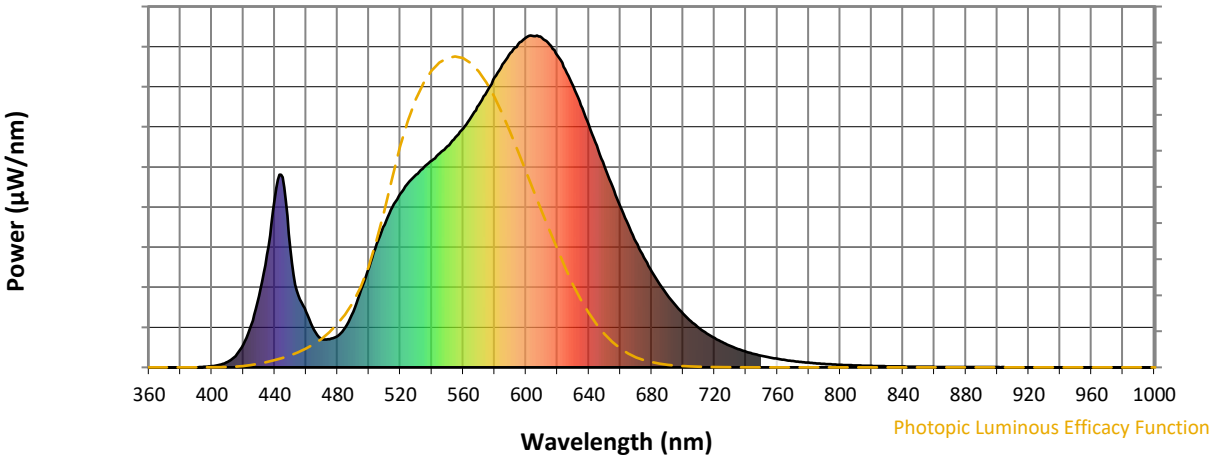
Photopic Flux vs. Wavelength



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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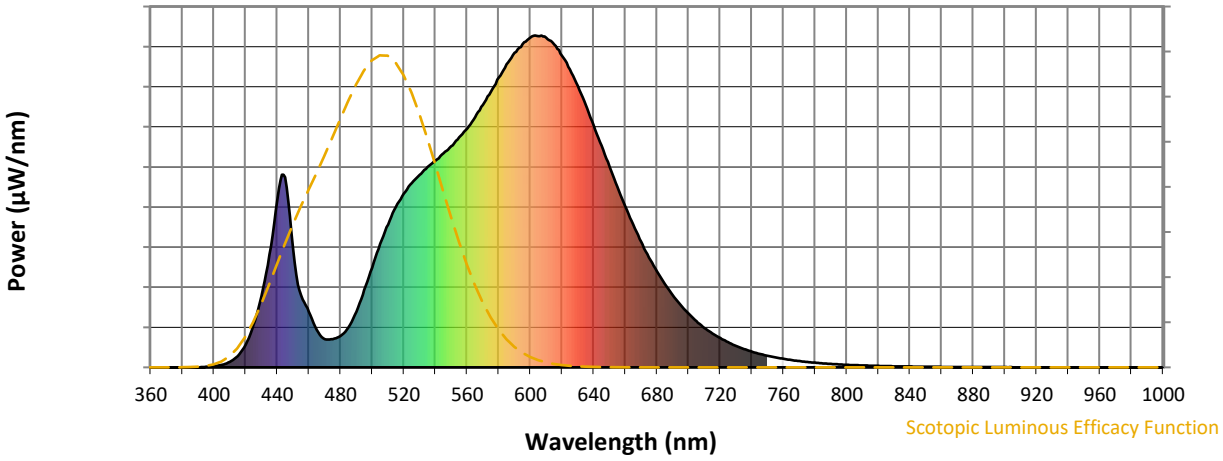
Scotopic Flux vs. Wavelength



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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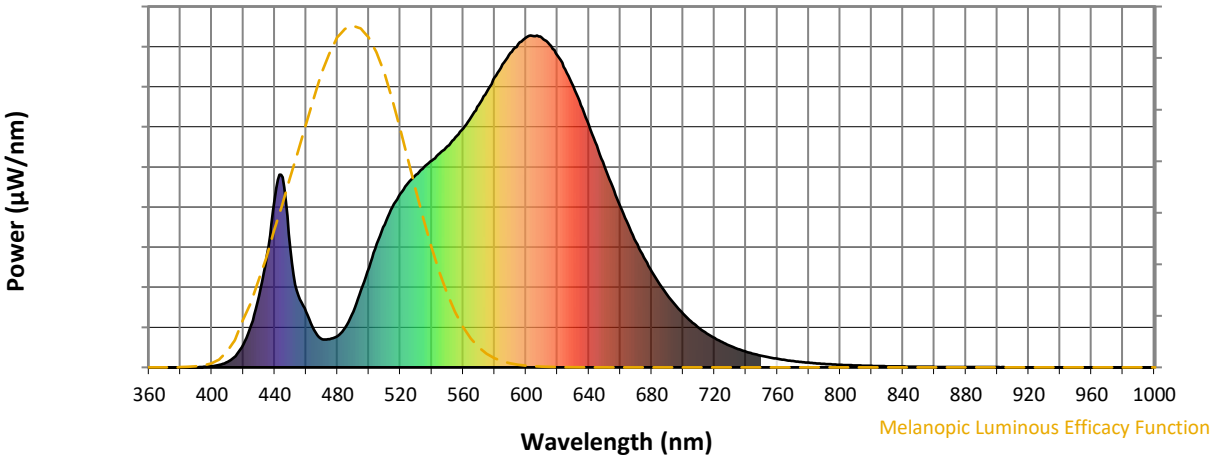
Melanopic Flux vs. Wavelength



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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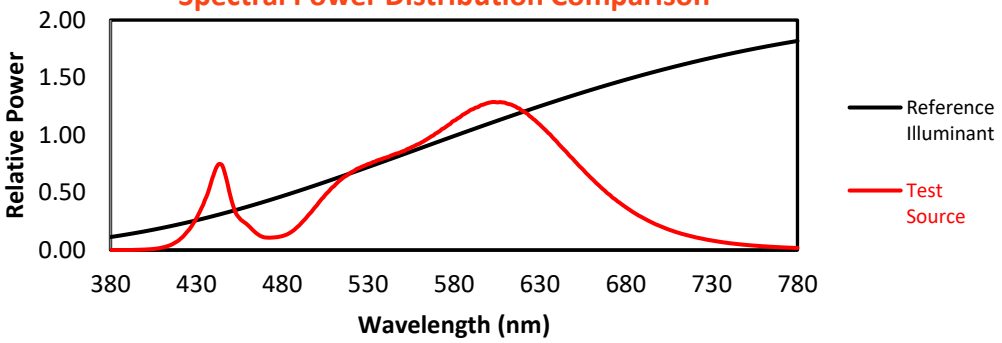
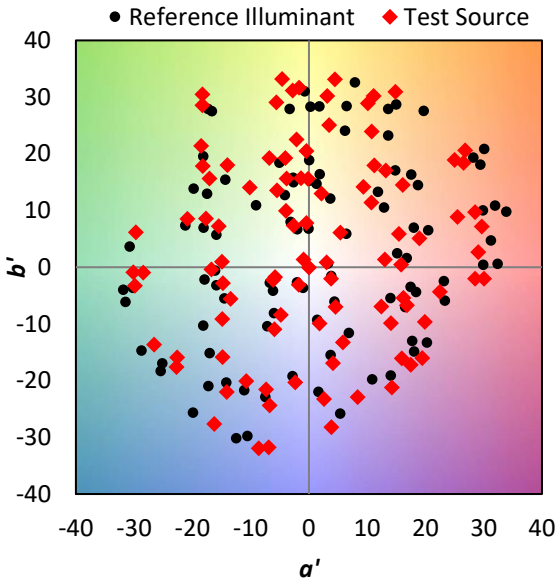
Summary

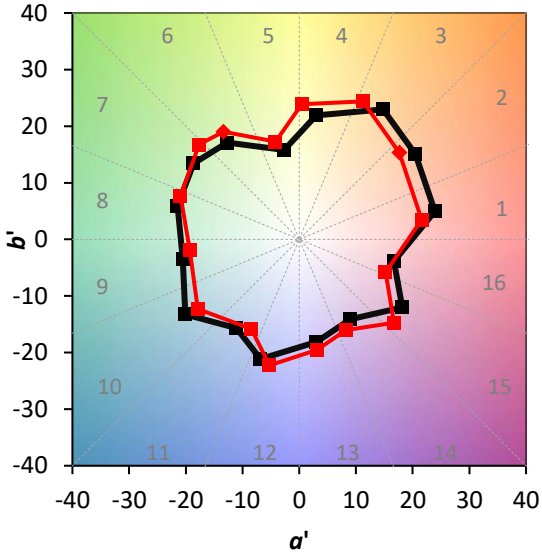
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

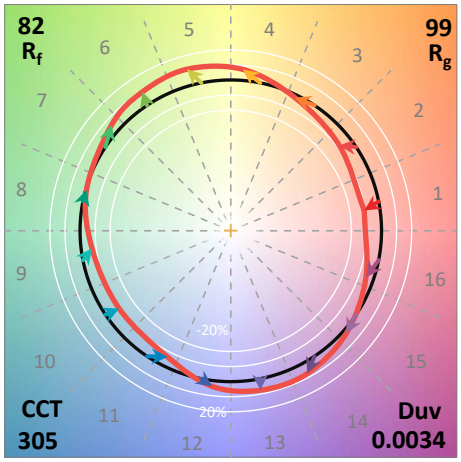
Spectral Power Distribution Comparison

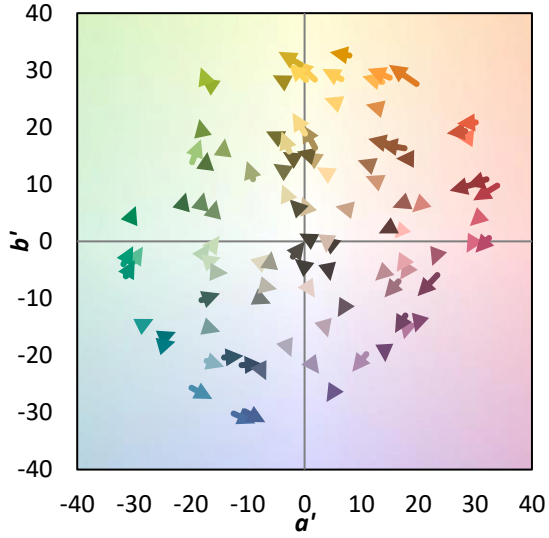


Color Vector Graphics









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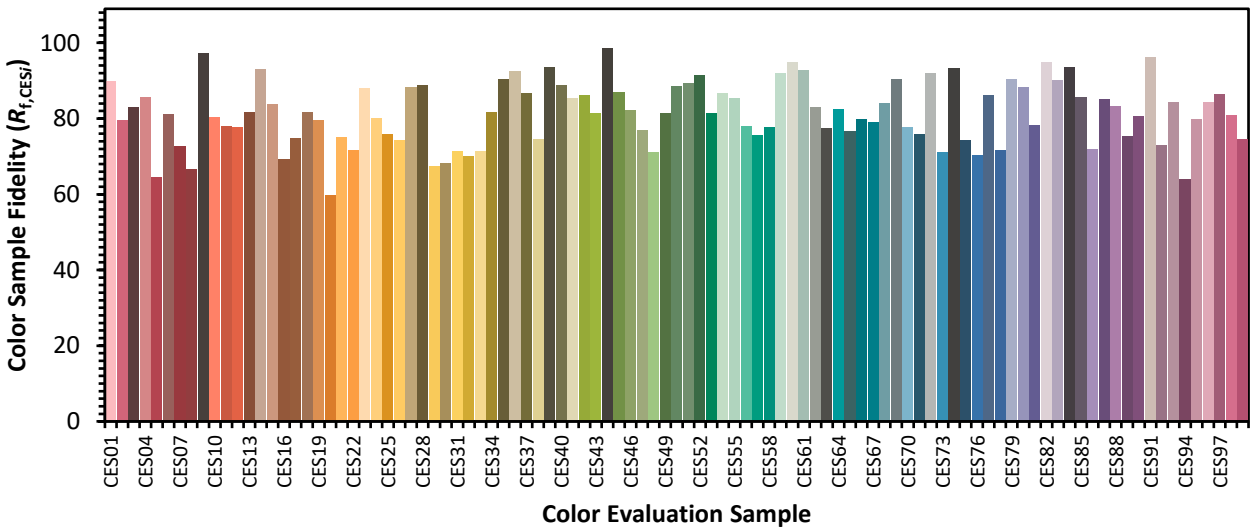
Individual Sample Fidelity Index ($R_{f,i}$)

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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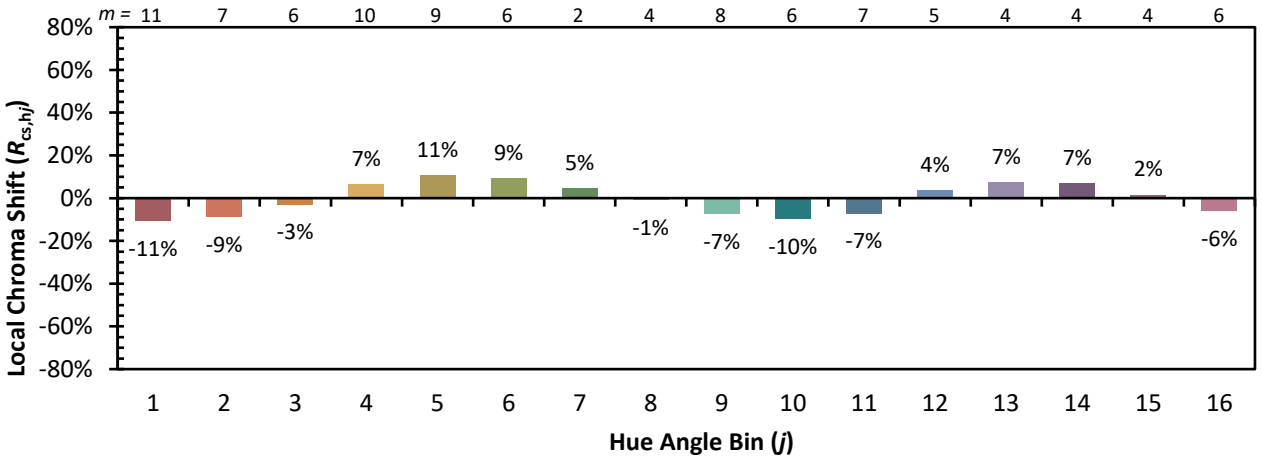
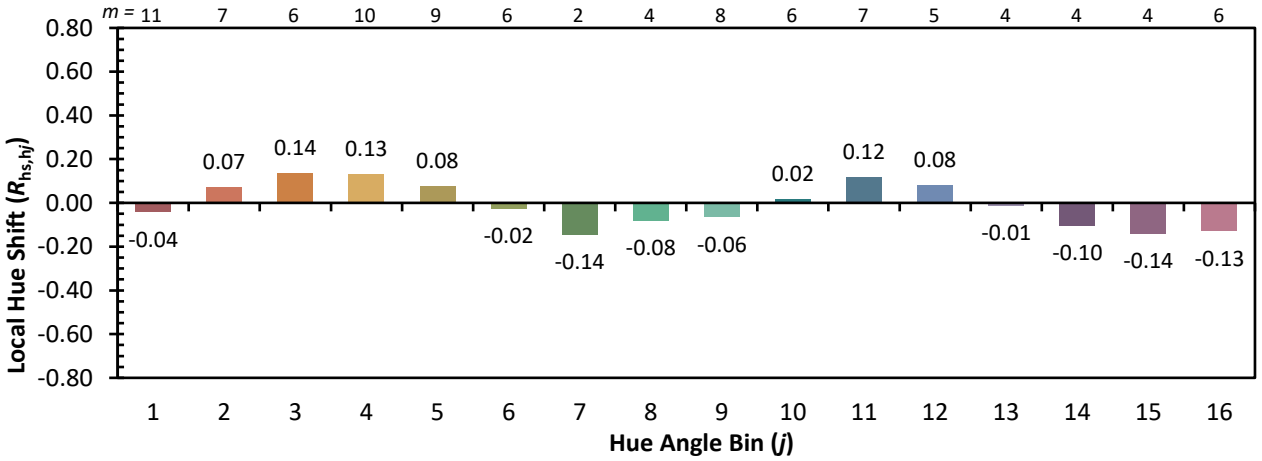
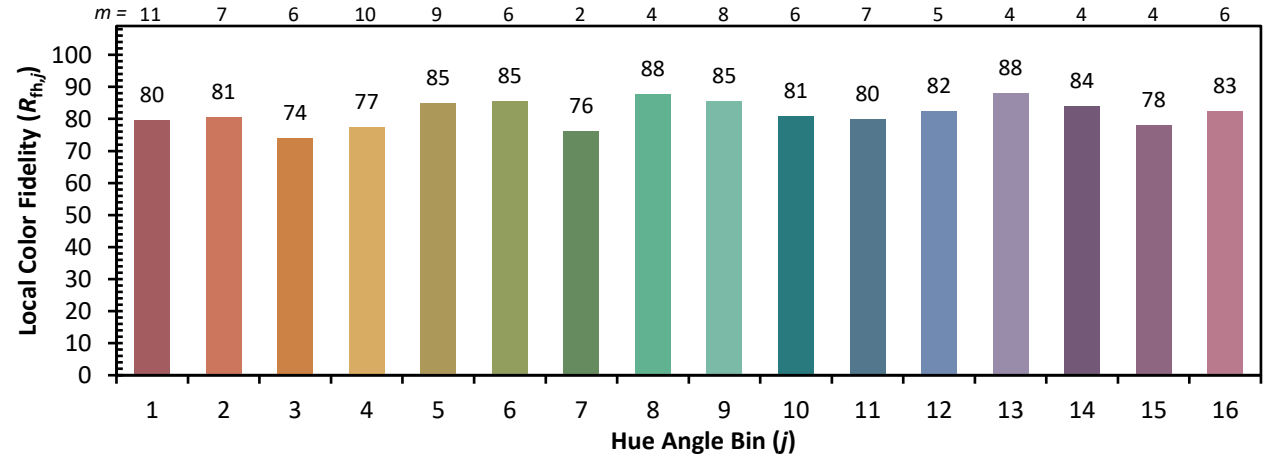
Color Rendition by Hue-Angle Bin







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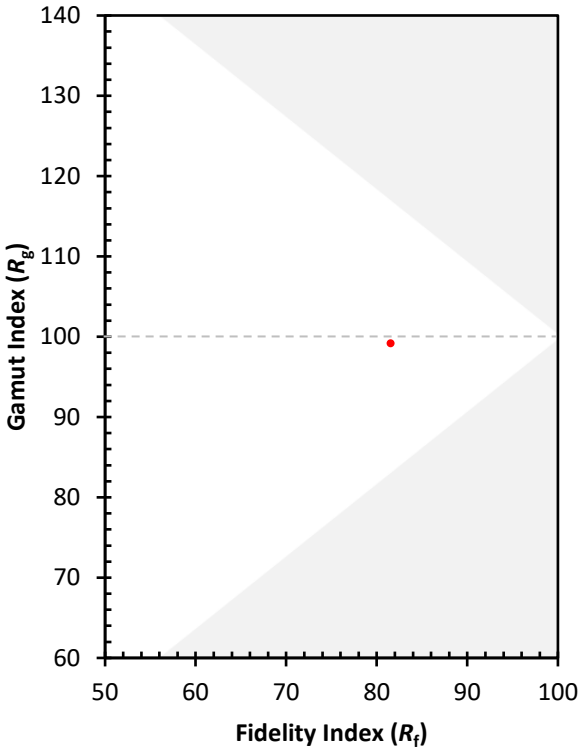
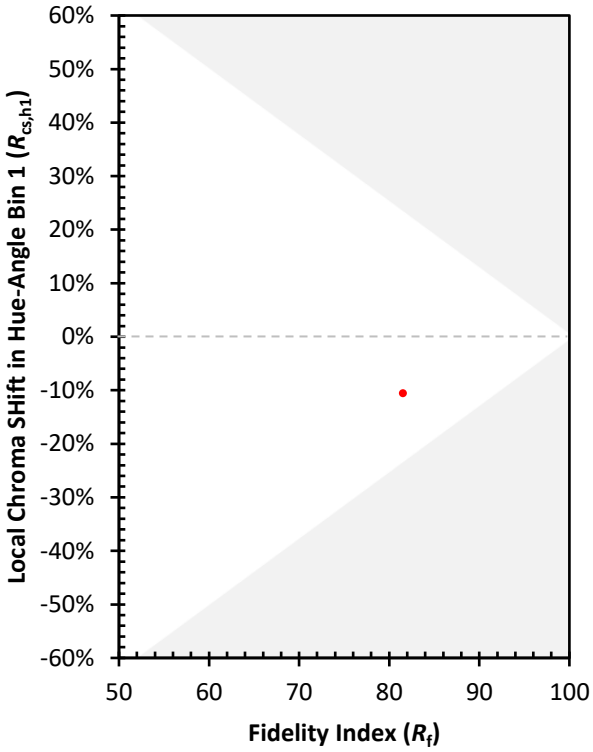
Measure Comparisons





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