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: P642465

Luminaire Tested: GWS-SA6C-830-U-T4FT-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:	P642465
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-T4FT-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21787.5 lumens
Efficiency:	N/A
Efficacy:	115.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	189.2
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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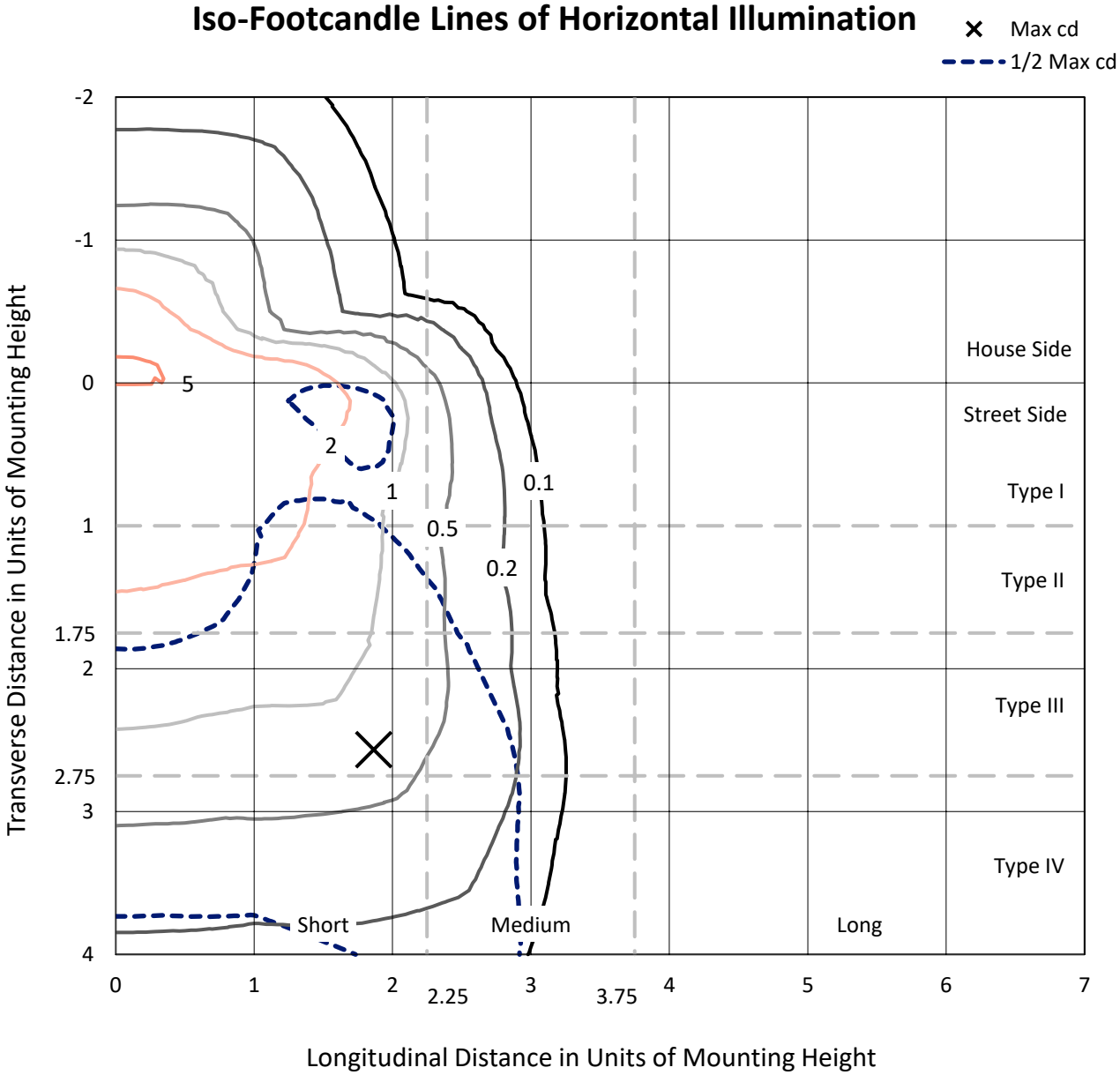
Scaled Data Report

REPORT NUMBER: P642465
CATALOG NUMBER: GWS-SA6C-830-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
Type IV - Short - N/A

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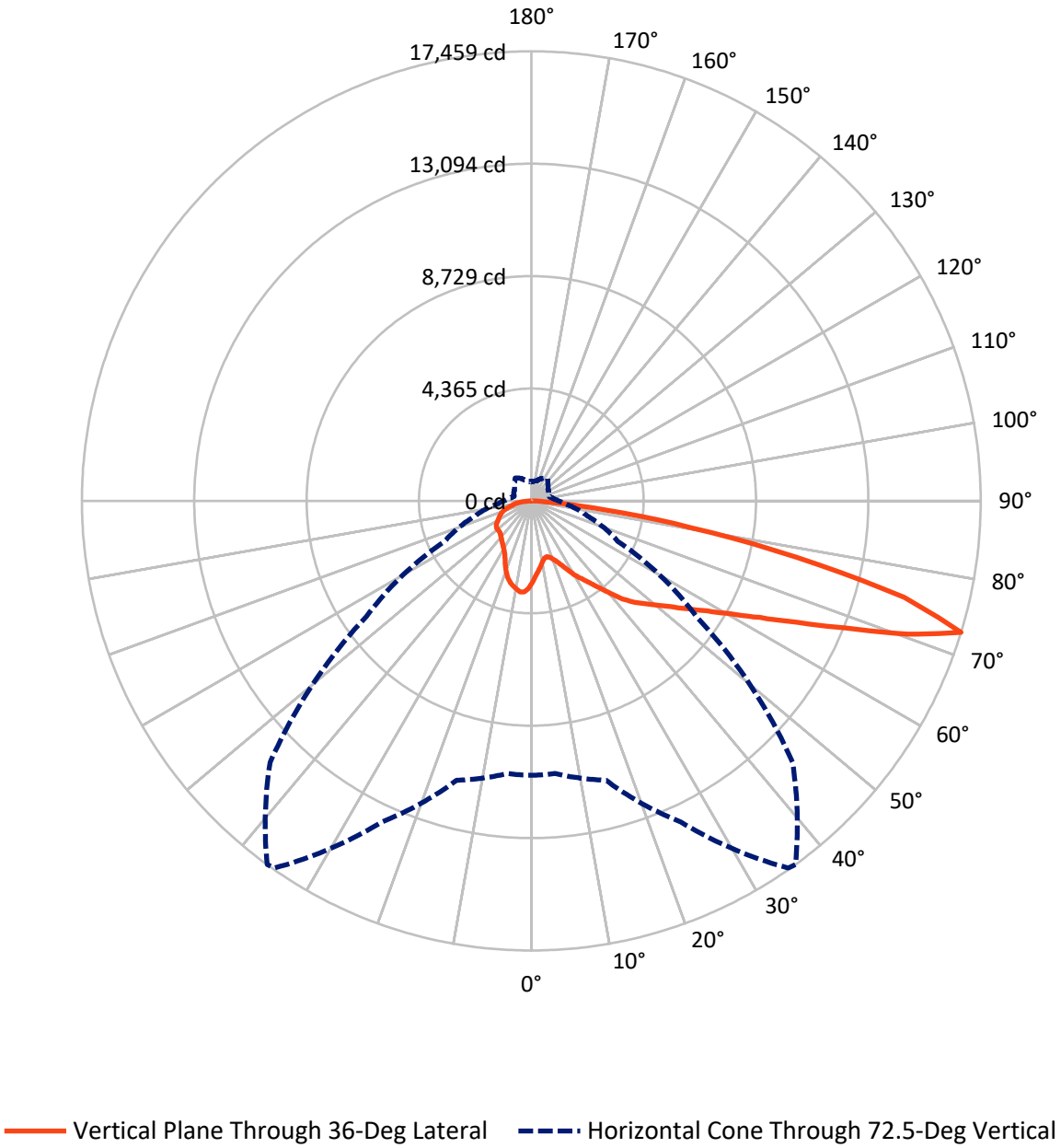
Luminous Intensity Polar Plot



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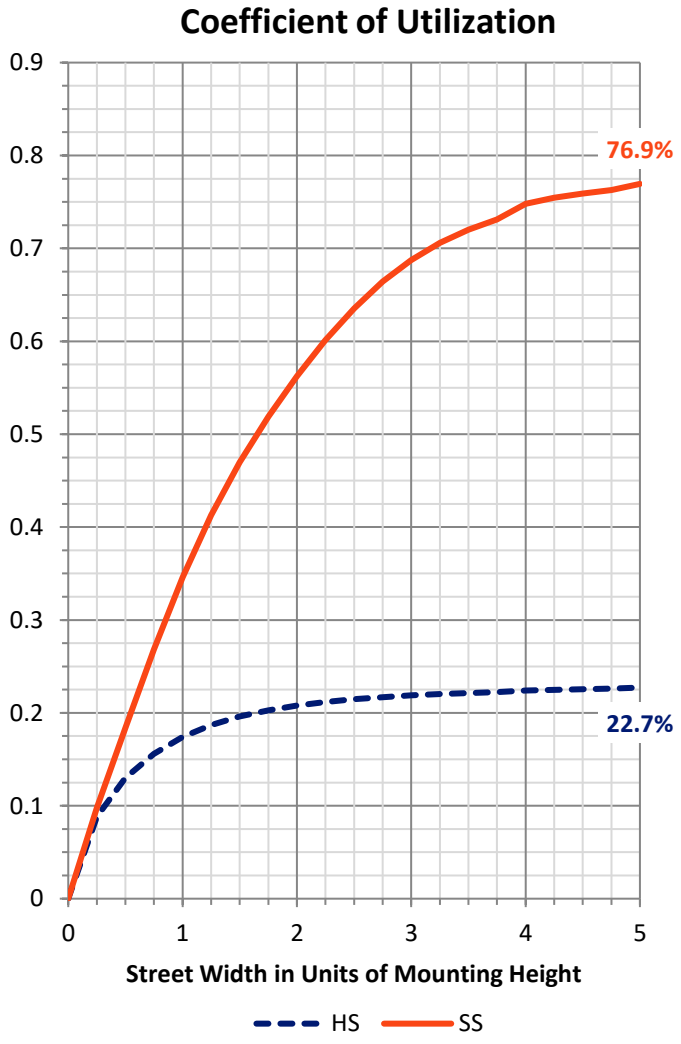
CATALOG NUMBER: GWS-SA6C-830-U-T4FT-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5023.0	0.0	5023.0
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	16764.5	0.0	16764.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	21787.5	0.0	21787.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.1	1.4
10°-20°	840.9	3.9
20°-30°	1392.7	6.4
30°-40°	2085.7	9.6
40°-50°	3042.8	14.0
50°-60°	4330.9	19.9
60°-70°	5471.7	25.1
70°-80°	3899.1	17.9
80°-90°	425.6	2.0
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°	21787.5	100.0
0°-180°	21787.5	100.0



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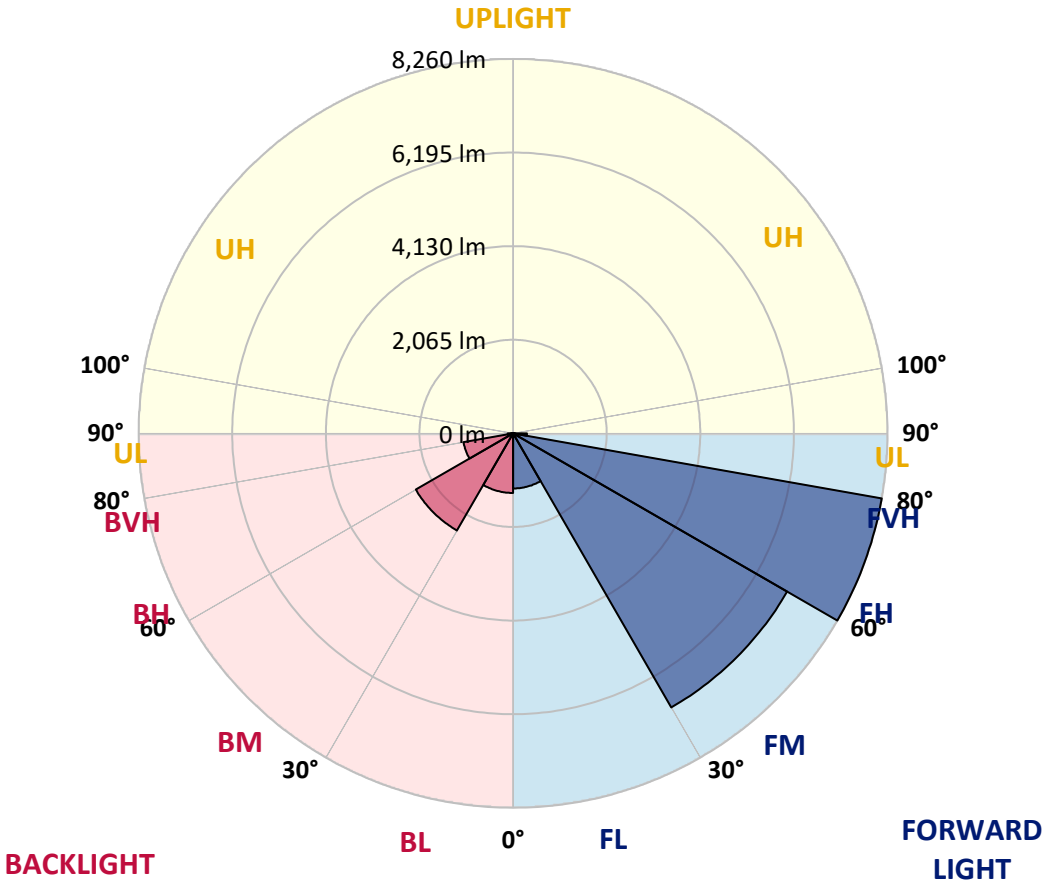
REPORT NUMBER: P642465
CATALOG NUMBER: GWS-SA6C-830-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1216.3	5.6			
FM	(30°-60°)	6982.3	32.0			
FH	(60°-80°)	8260.4	37.9			G4/12000
FVH	(80°-90°)	305.5	1.4			G3/500
BL	(0°-30°)	1315.3	6.0	B3/2500		
BM	(30°-60°)	2477.0	11.4	B2/2500		
BH	(60°-80°)	1110.4	5.1	B3/2500		G3/2500
BVH	(80°-90°)	120.1	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-G4
Type IV Short



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REPORT NUMBER: P642465
CATALOG NUMBER: GWS-SA6C-830-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	3188.7	3188.7	3188.7	3188.7	3188.7	*3188.7*	3188.7	3188.7	3188.7	3188.7	3188.7
2.5°	2909.0	2904.1	2894.4	2923.5	2952.6	*2949.4*	2989.8	3028.6	3070.7	3114.3	3172.5
5°	2676.1	2672.9	2664.8	2708.5	2752.1	*2750.5*	2816.8	2879.9	2965.6	3059.3	3175.8
7.5°	2443.3	2435.2	2446.5	2501.5	2562.9	*2569.4*	2659.9	2763.4	2887.9	3028.6	3193.5
10°	2237.9	2236.3	2241.1	2302.6	2394.8	*2401.2*	2517.6	2661.6	2826.5	3014.1	3234.0
12.5°	2184.5	2181.3	2168.4	2199.1	2268.6	*2278.3*	2406.1	2582.3	2784.5	3022.1	3289.0
15°	2271.9	2263.8	2218.5	2204.0	2237.9	*2246.0*	2354.3	2535.4	2760.2	3036.7	3358.5
17.5°	2422.2	2417.4	2331.7	2271.9	2294.5	*2301.0*	2381.8	2527.4	2753.7	3065.8	3444.2
20°	2642.2	2621.1	2486.9	2396.4	2396.4	*2406.1*	2454.6	2562.9	2761.8	3101.4	3541.2
22.5°	2933.2	2891.2	2702.0	2579.1	2546.8	*2559.7*	2580.7	2651.9	2795.8	3161.2	3662.5
25°	3259.8	3221.0	2996.3	2823.3	2778.0	*2782.8*	2765.0	2778.0	2870.2	3243.7	3812.9
27.5°	3607.5	3581.6	3342.3	3122.4	3051.3	*3051.3*	2988.2	2957.5	2973.6	3337.5	3981.0
30°	3918.0	3882.4	3680.3	3439.3	3345.5	*3345.5*	3225.9	3159.6	3120.8	3452.3	4205.8
32.5°	4081.3	4060.3	3926.0	3741.7	3626.9	*3609.1*	3505.6	3428.0	3337.5	3622.1	4509.8
35°	4294.7	4289.9	4209.0	4065.1	3919.6	*3893.7*	3822.6	3761.1	3604.3	3833.9	4914.0
37.5°	4563.1	4555.1	4542.1	4456.4	4281.8	*4276.9*	4213.9	4139.5	3935.7	4139.5	5404.0
40°	4863.9	4849.3	4833.2	4831.6	4726.5	*4708.7*	4703.8	4619.7	4335.1	4508.2	5914.9
42.5°	5277.8	5227.7	5075.7	5143.6	5221.3	*5205.1*	5266.5	5140.4	4833.2	4946.4	6398.4
45°	5787.2	5664.3	5363.5	5382.9	5578.6	*5610.9*	5824.4	5793.7	5381.3	5452.5	6907.8
47.5°	6092.8	5986.1	5706.3	5690.2	5934.3	*5974.8*	6438.8	6497.1	5971.5	6062.1	7536.8
50°	6343.4	6269.1	6039.4	6062.1	6320.8	*6361.2*	7048.4	7173.0	6527.8	6686.2	8267.7
52.5°	6645.8	6539.1	6361.2	6467.9	6784.9	*6833.4*	7726.0	7860.2	7029.0	7371.8	9024.4
55°	6815.6	6771.9	6775.2	6938.5	7336.3	*7402.6*	8435.8	8413.2	7488.3	7958.8	9593.6
57.5°	7206.9	7190.7	7339.5	7400.9	7979.8	*8065.5*	9145.7	8951.6	7905.4	8413.2	9866.9
60°	7897.4	7856.9	7986.3	8080.1	8775.4	*8896.7*	9938.0	9478.8	8188.4	8751.1	9774.7
62.5°	8867.6	8817.4	8822.3	8971.0	9841.0	*9968.7*	10819.3	9918.6	8275.7	8802.9	9191.0
65°	10073.8	10001.1	9918.6	10120.7	11255.8	*11362.6*	11778.1	10238.8	8067.1	8304.8	7971.7
67.5°	11346.4	11286.6	11189.5	11613.2	13087.9	*13152.6*	12853.4	10211.3	7405.8	6972.4	5591.5
70°	11420.8	11435.3	11894.6	13427.5	15479.4	*15495.6*	13870.5	9658.3	5997.4	4519.5	2786.1
72.5°	*10654.3*	*10630.1*	*11228.4*	*13758.9*	*17403.6*	*17458.6*	*14350.8*	*7824.6*	*3706.1*	*2254.1*	*1306.5*
75°	8654.1	8696.2	9325.2	12038.5	14916.7	*14965.2*	11698.9	4613.3	1760.9	1102.8	836.0
77.5°	3725.5	3960.0	5200.2	8481.1	10683.4	*10533.1*	6029.7	1869.2	939.5	785.9	640.3
80°	1075.3	1167.5	1853.1	4032.8	6401.7	*6288.5*	2386.7	700.2	654.9	590.2	459.2
82.5°	347.7	384.8	679.1	1605.7	2868.5	*2865.3*	905.5	413.9	428.5	401.0	295.9
85°	97.0	111.6	208.6	486.7	887.7	*869.9*	262.0	195.7	228.0	231.2	147.1
87.5°	0.0	0.0	1.6	3.2	3.2	*3.2*	6.5	29.1	66.3	84.1	59.8
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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Scaled Data Report

REPORT NUMBER: P642465
CATALOG NUMBER: GWS-SA6C-830-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3188.7	3188.7	3188.7	3188.7	3188.7	3188.7	3188.7	3188.7	3188.7	3188.7	3188.7
2.5°	3208.1	3203.3	3269.5	3321.3	3369.8	3402.1	3411.8	3418.3	3431.2	3437.7	3431.2
5°	3230.7	3255.0	3364.9	3445.8	3510.5	3549.3	3550.9	3547.7	3557.4	3549.3	3544.4
7.5°	3279.2	3326.1	3465.2	3550.9	3592.9	3594.6	3555.8	3510.5	3487.8	3468.4	3462.0
10°	3343.9	3413.5	3565.5	3622.1	3609.1	3549.3	3463.6	3392.4	3352.0	3322.9	3316.4
12.5°	3432.9	3510.5	3654.4	3652.8	3571.9	3465.2	3364.9	3279.2	3221.0	3187.1	3175.8
15°	3516.9	3615.6	3719.1	3643.1	3515.3	3386.0	3256.6	3141.8	3064.2	3010.8	3001.1
17.5°	3620.4	3725.5	3766.0	3612.3	3444.2	3277.6	3104.6	2954.2	2849.1	2786.1	2781.2
20°	3740.1	3833.9	3788.6	3559.0	3352.0	3133.7	2899.3	2731.1	2617.9	2556.5	2561.3
22.5°	3879.2	3947.1	3795.1	3486.2	3224.3	2930.0	2668.0	2506.3	2430.3	2398.0	2399.6
25°	4027.9	4071.6	3783.7	3387.6	3028.6	2681.0	2430.3	2355.9	2349.5	2341.4	2344.6
27.5°	4204.2	4194.5	3749.8	3248.5	2765.0	2391.5	2263.8	2283.2	2309.1	2305.8	2309.1
30°	4440.2	4348.1	3706.1	3056.1	2451.4	2149.0	2165.1	2220.1	2254.1	2257.3	2267.0
32.5°	4710.3	4517.9	3636.6	2794.2	2152.2	2013.1	2073.0	2139.3	2179.7	2187.8	2200.7
35°	5032.1	4711.9	3513.7	2467.5	1937.2	1932.3	1987.3	2032.6	2076.2	2079.4	2079.4
37.5°	5402.4	4905.9	3318.1	2106.9	1804.6	1862.8	1914.5	1924.2	1935.5	1925.8	1930.7
40°	5741.9	5093.5	3039.9	1778.7	1696.2	1801.3	1845.0	1812.6	1777.1	1752.8	1757.7
42.5°	6026.5	5221.3	2671.3	1549.1	1586.3	1746.3	1780.3	1714.0	1644.5	1599.2	1605.7
45°	6346.7	5339.3	2237.9	1393.8	1492.5	1707.5	1730.2	1644.5	1555.5	1487.6	1477.9
47.5°	6788.1	5580.2	1853.1	1285.5	1426.2	1686.5	1723.7	1607.3	1490.9	1389.0	1377.7
50°	7333.0	5921.4	1531.3	1214.4	1395.5	1675.2	1722.1	1566.9	1427.8	1308.1	1300.1
52.5°	7928.1	6254.5	1293.6	1159.4	1364.7	1641.2	1714.0	1521.6	1361.5	1232.1	1222.4
55°	8324.2	6385.5	1133.5	1107.6	1314.6	1587.9	1681.7	1477.9	1261.2	1143.2	1128.7
57.5°	8440.7	6217.3	1021.9	1060.7	1249.9	1513.5	1620.2	1385.8	1199.8	1106.0	1094.7
60°	8240.2	5793.7	952.4	1021.9	1178.8	1418.1	1513.5	1332.4	1151.3	1067.2	1059.1
62.5°	7674.2	5140.4	899.0	981.5	1106.0	1317.8	1445.6	1267.7	1097.9	1031.6	1020.3
65°	6535.9	4215.5	855.4	939.5	1036.5	1222.4	1371.2	1203.0	1039.7	989.6	976.7
67.5°	4571.2	2960.7	808.5	889.3	967.0	1130.3	1293.6	1143.2	979.9	942.7	929.8
70°	2234.7	1570.1	751.9	831.1	892.6	1036.5	1216.0	1070.4	900.7	879.6	861.9
72.5°	*1064.0*	*878.0*	*685.6*	*751.9*	*790.7*	*912.0*	*1086.6*	*965.3*	*806.9*	*761.6*	*730.9*
75°	713.1	624.2	598.3	658.1	667.8	764.8	931.4	832.7	711.5	659.7	633.9
77.5°	540.1	477.0	502.9	556.2	536.8	629.0	766.5	742.2	641.9	595.1	582.1
80°	380.0	347.7	399.4	431.7	417.2	535.2	690.5	635.5	528.8	477.0	467.3
82.5°	239.3	232.8	294.3	299.1	304.0	423.7	567.6	499.6	410.7	338.0	313.7
85°	119.7	132.6	176.3	176.3	174.6	218.3	323.4	281.4	221.5	176.3	171.4
87.5°	40.4	56.6	76.0	61.4	46.9	37.2	42.0	51.7	55.0	53.4	53.4
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

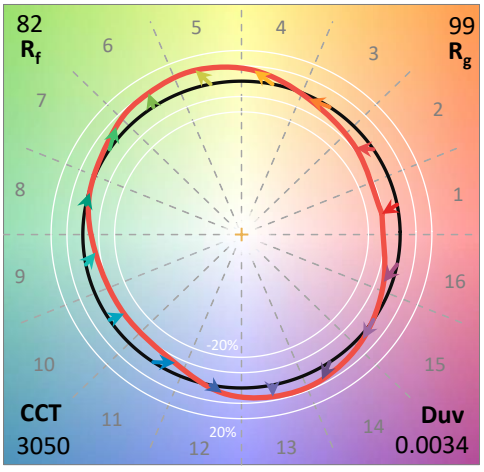
Test Information

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

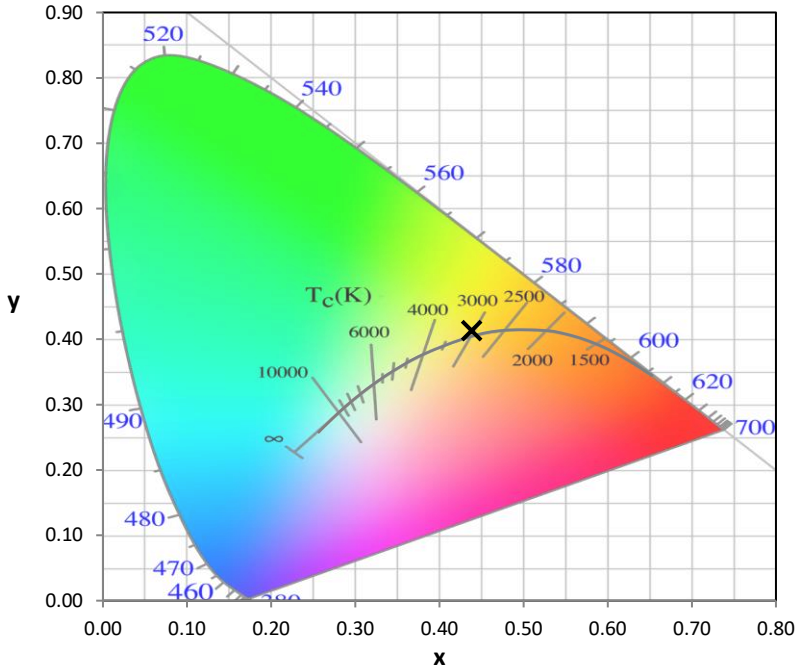
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

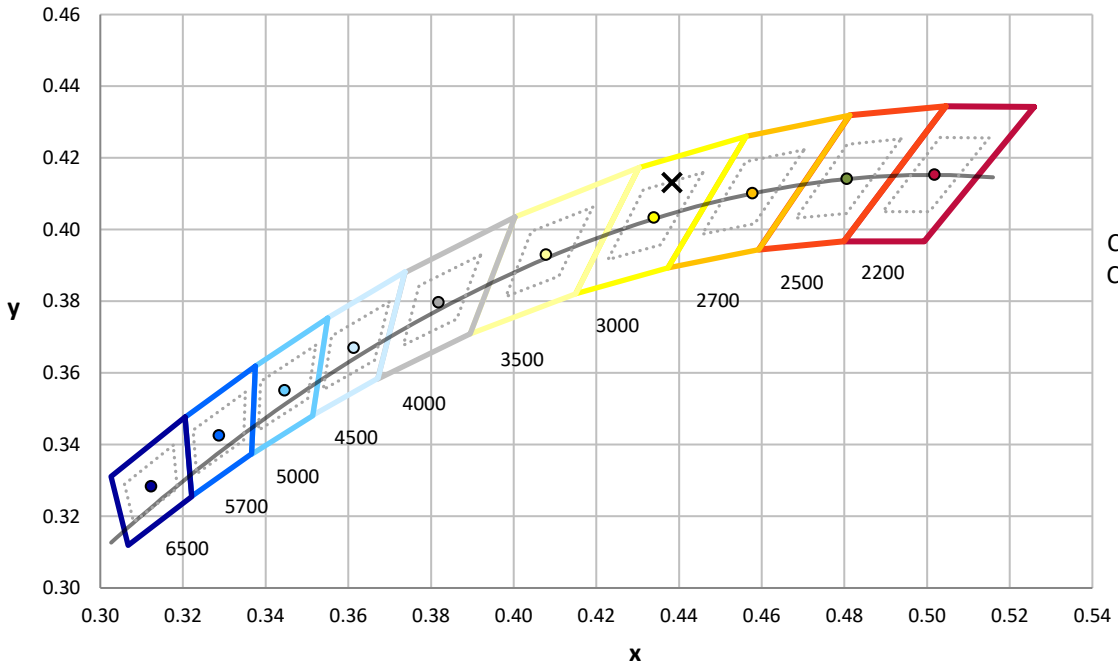
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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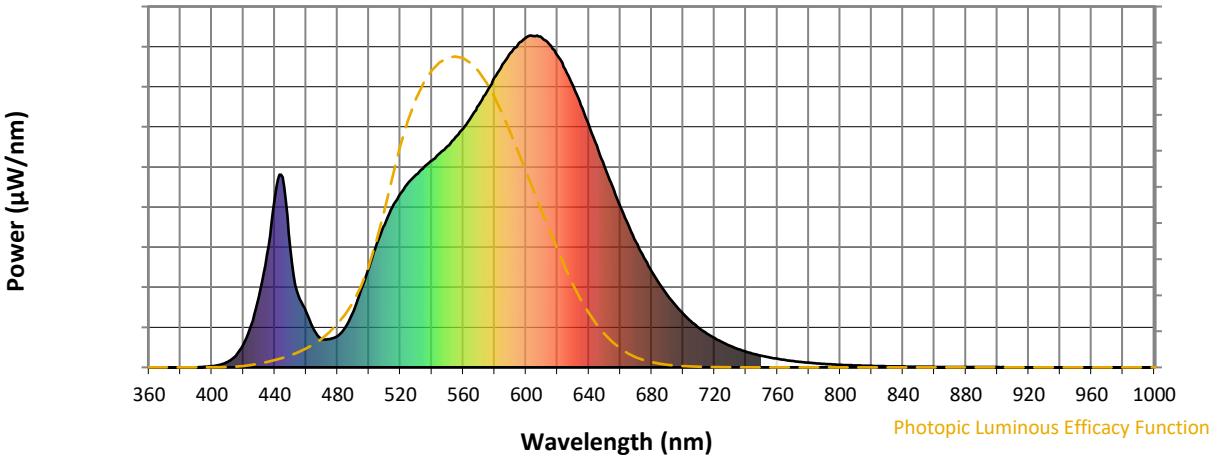
Photopic Flux vs. Wavelength



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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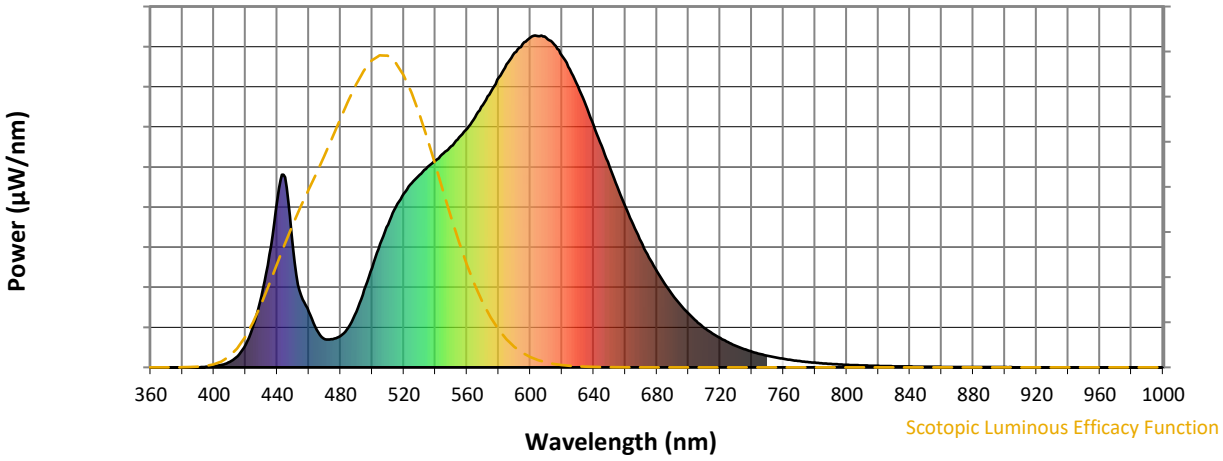
Scotopic Flux vs. Wavelength



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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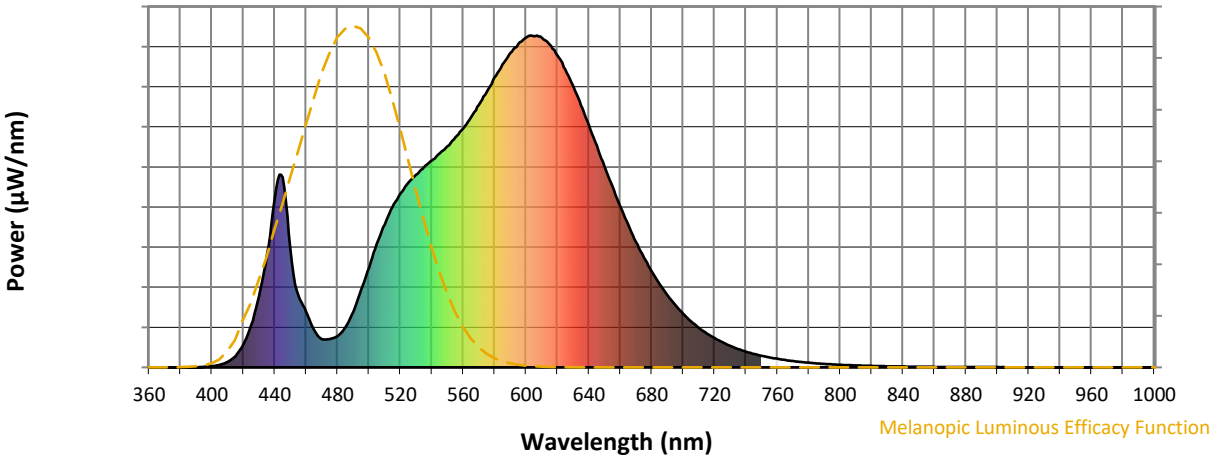
Melanopic Flux vs. Wavelength



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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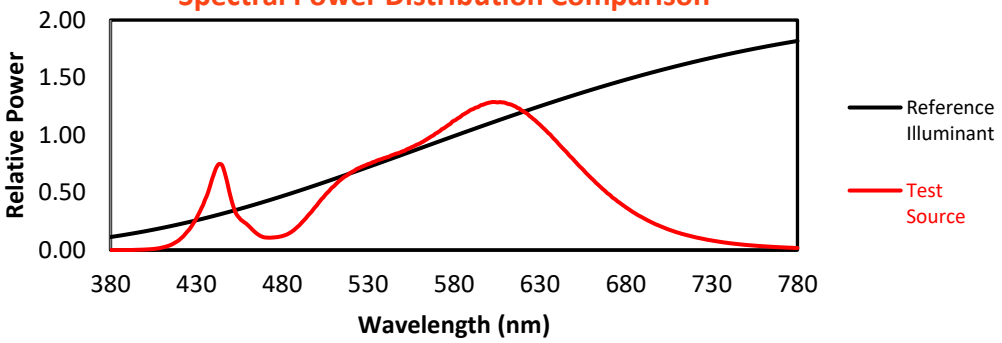
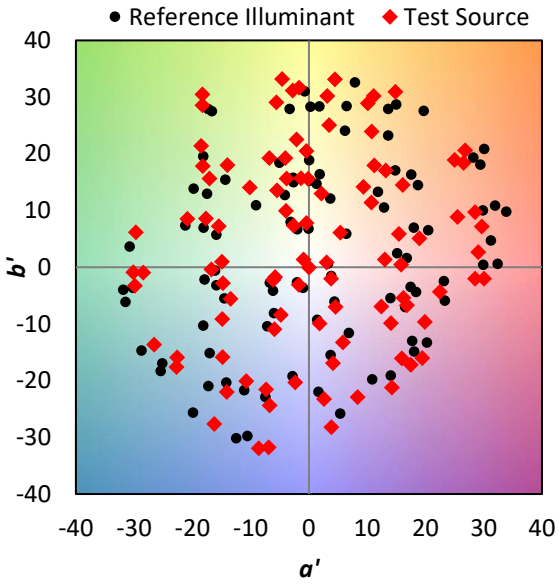
Summary

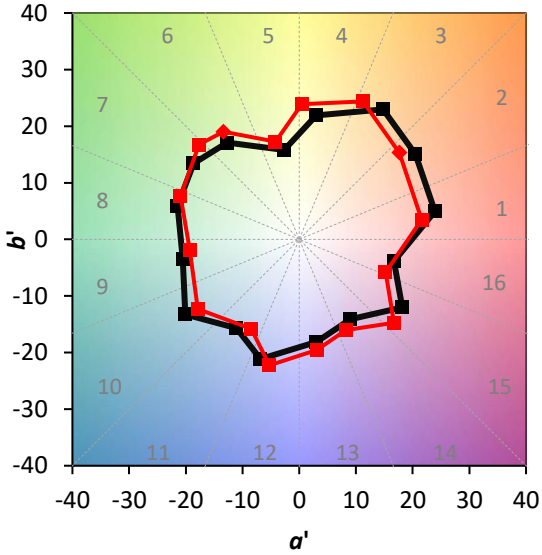
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

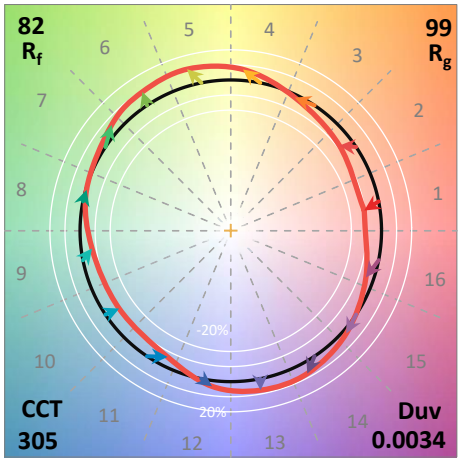
Spectral Power Distribution Comparison

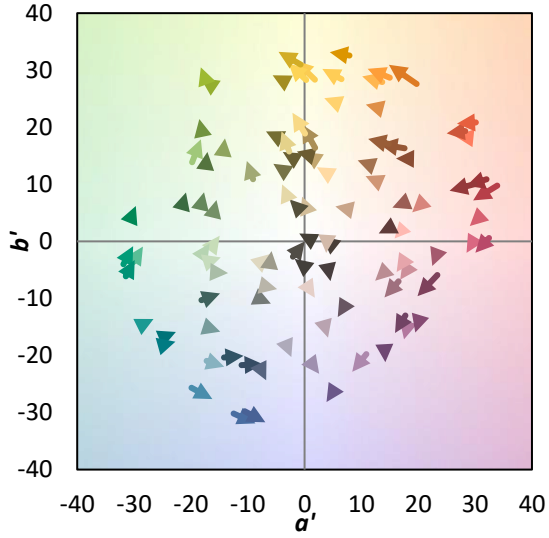


Color Vector Graphics









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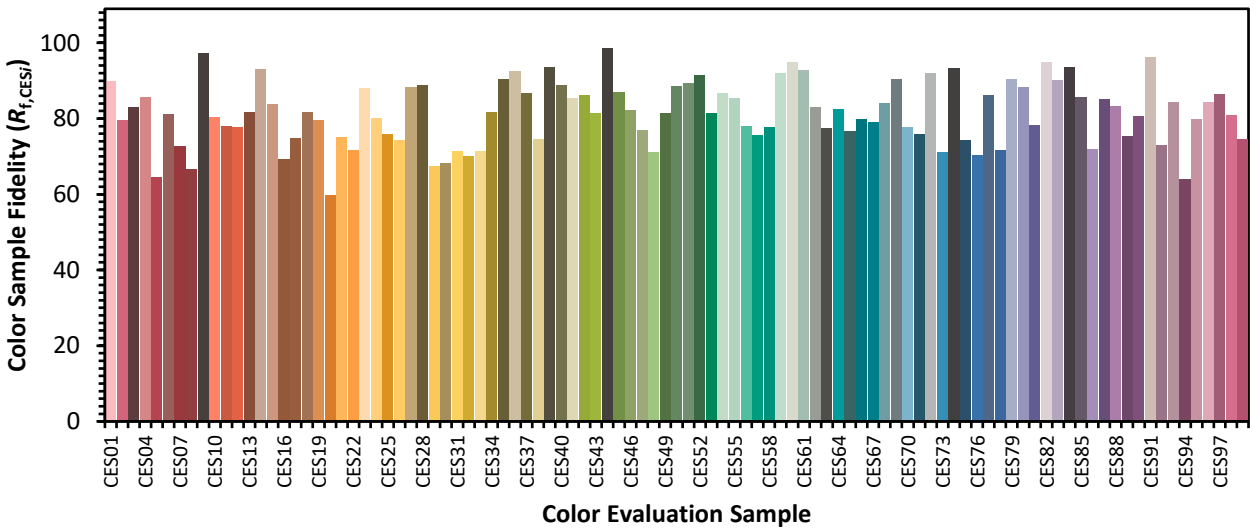
Individual Sample Fidelity Index ($R_{f,i}$)

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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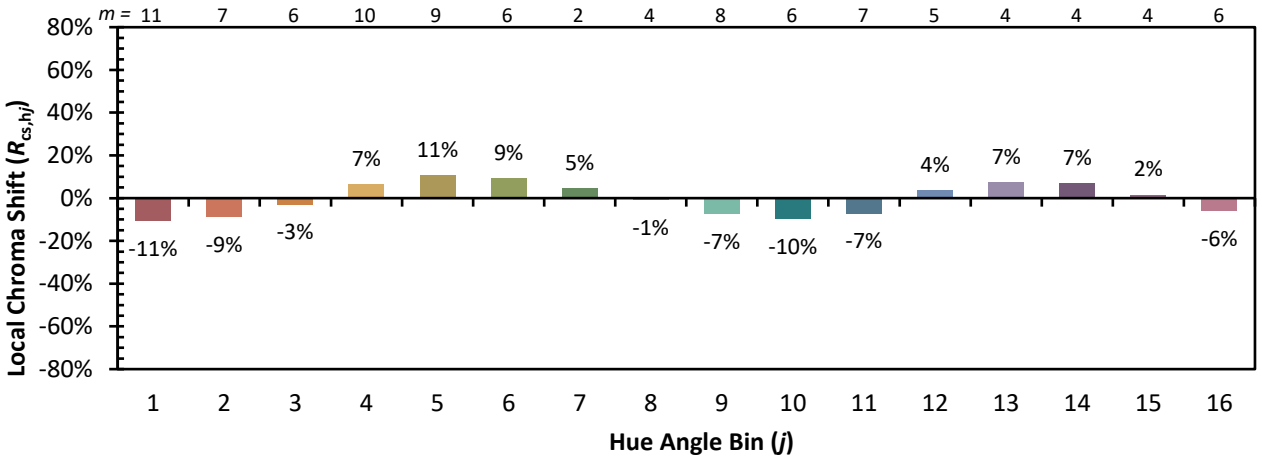
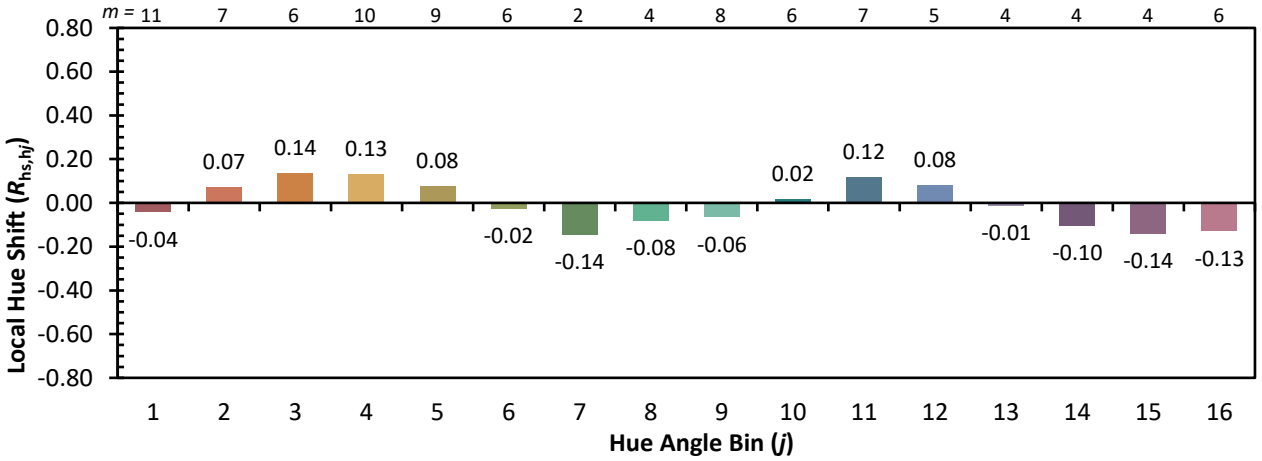
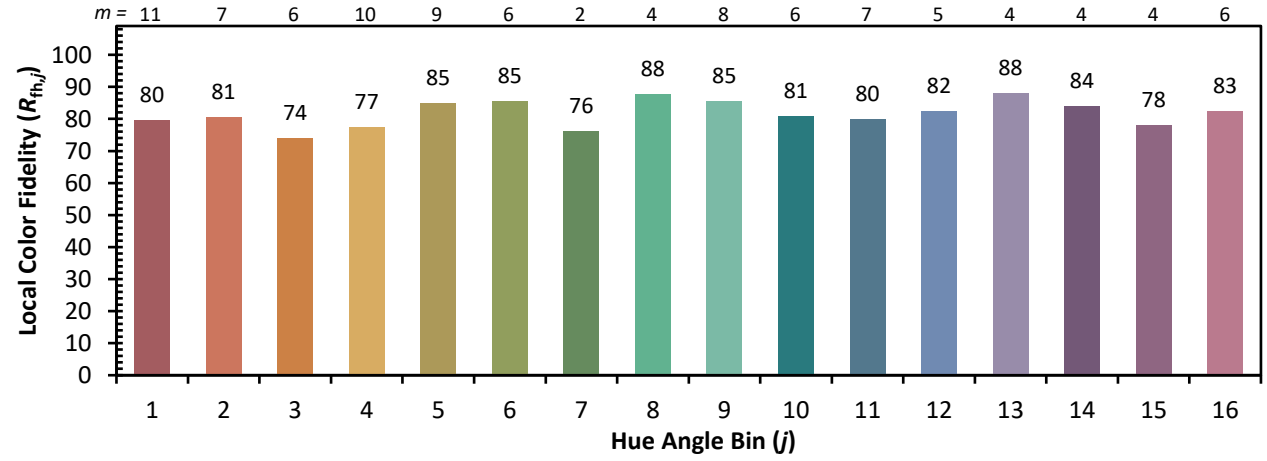
Color Rendition by Hue-Angle Bin







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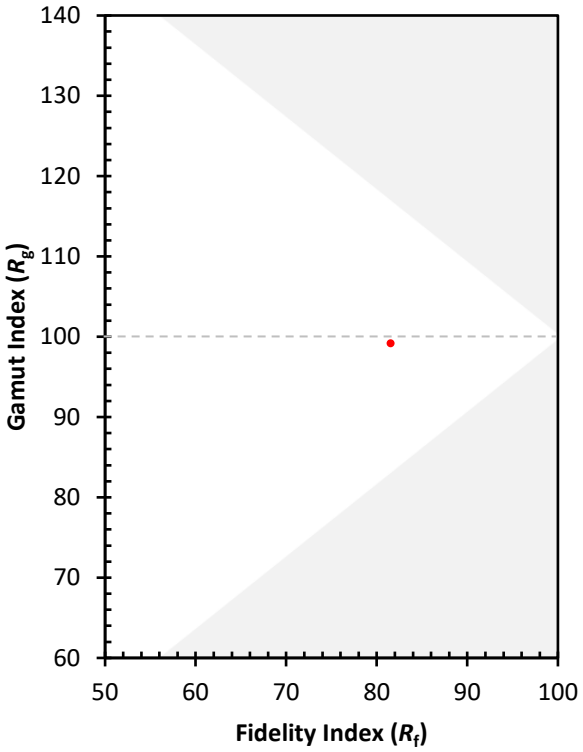
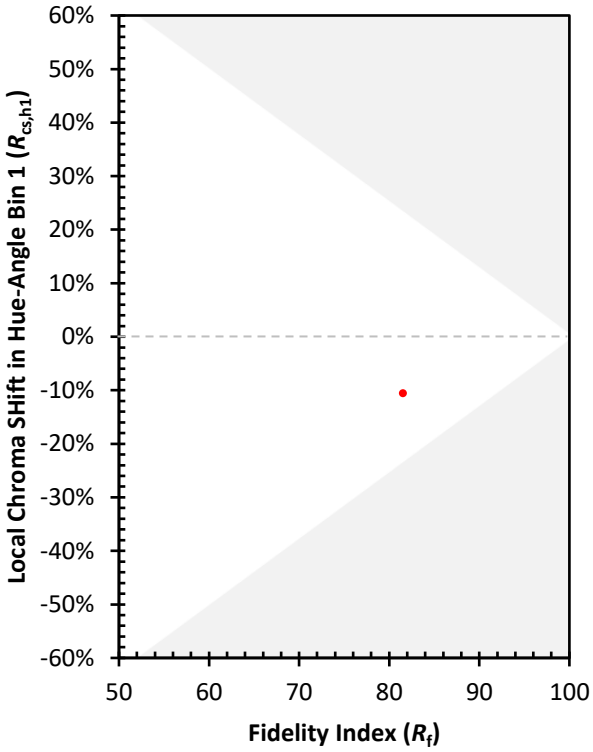
Measure Comparisons





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