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: P641962

Luminaire Tested: GWS-SA6B-830-U-T3-W-GRSWH

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:	P641962
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-T3-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14355.3 lumens
Efficiency:	N/A
Efficacy:	103.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	138.9
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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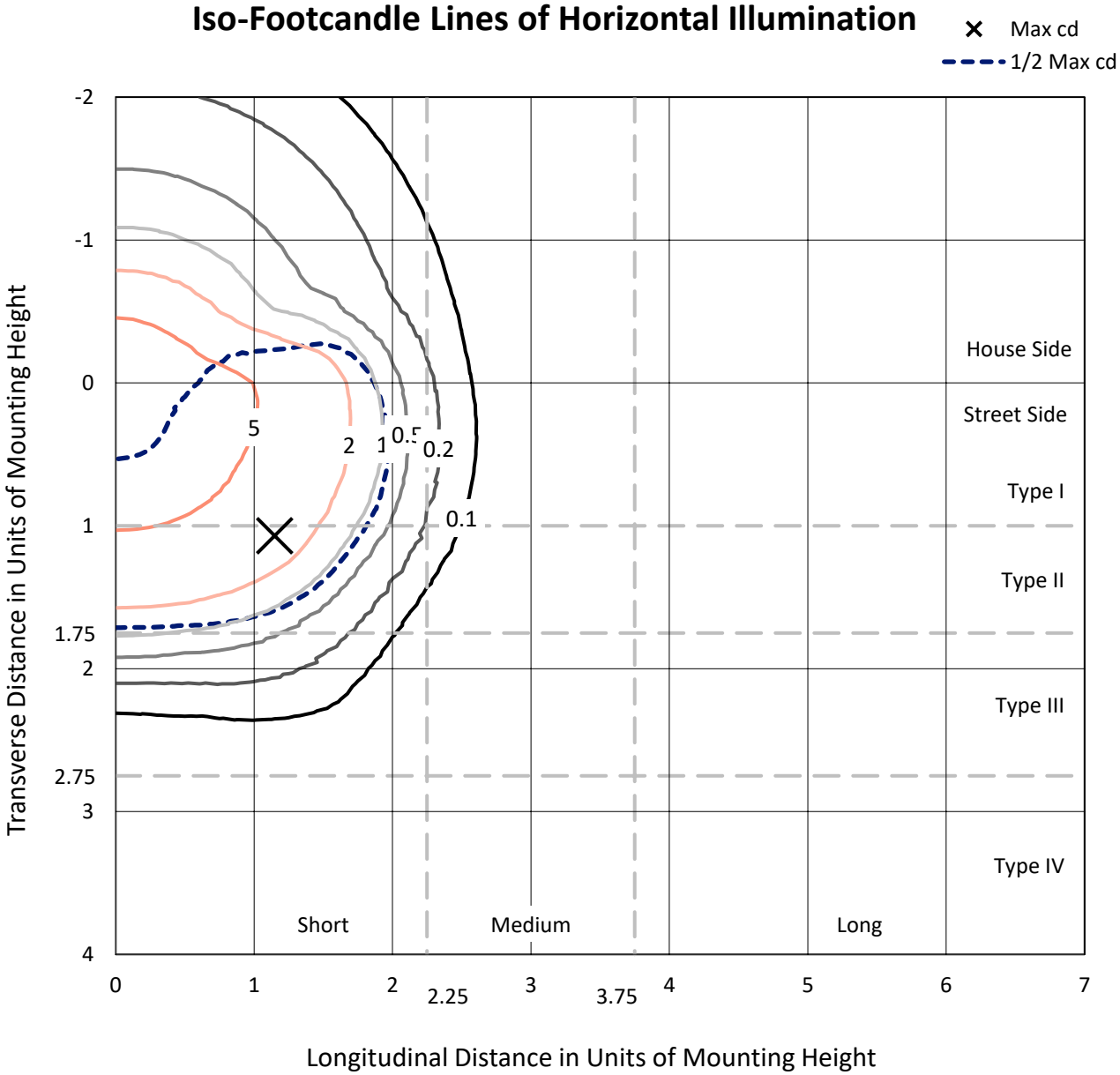
REPORT NUMBER: P641962
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 7.4 fc
Type II - Short - N/A

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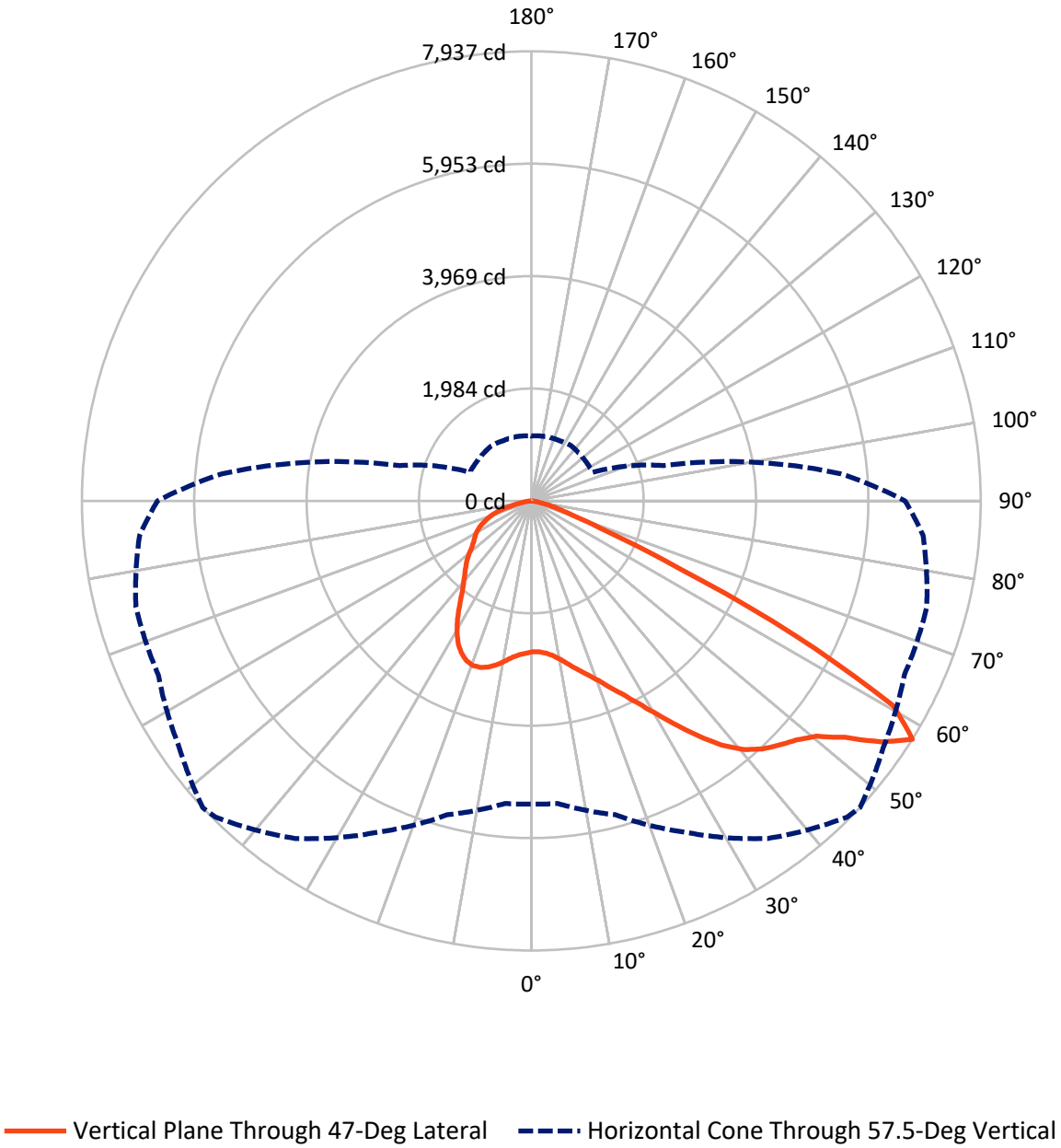
Luminous Intensity Polar Plot



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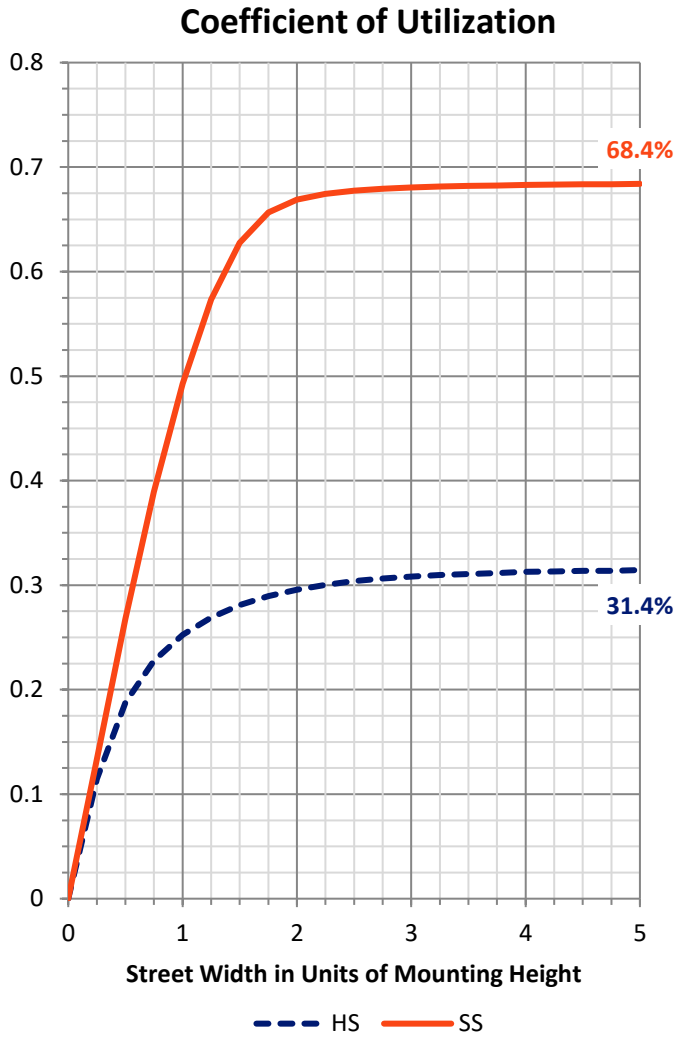
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4543.4	0.0	4543.4
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	9811.9	0.0	9811.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	14355.3	0.0	14355.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.6	1.8
10°-20°	863.6	6.0
20°-30°	1555.1	10.8
30°-40°	2348.8	16.4
40°-50°	3162.9	22.0
50°-60°	3800.6	26.5
60°-70°	1851.0	12.9
70°-80°	456.0	3.2
80°-90°	54.8	0.4
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°	14355.3	100.0
0°-180°	14355.3	100.0



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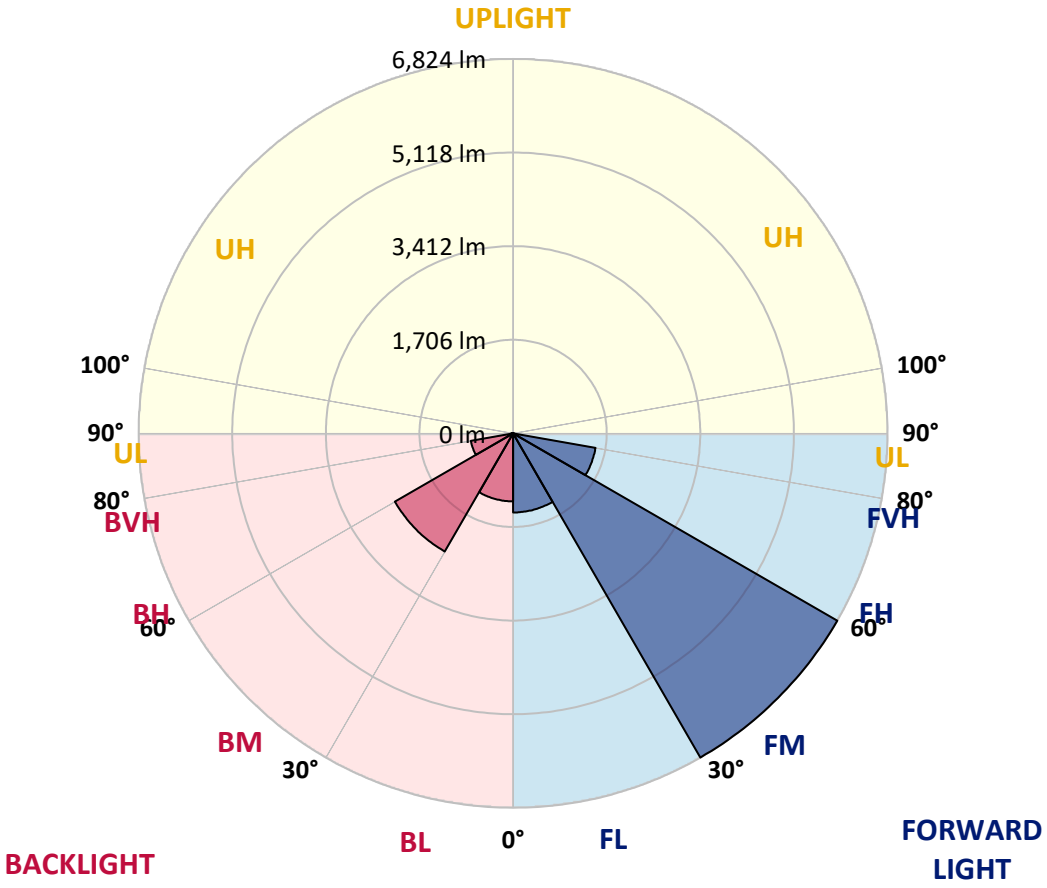
REPORT NUMBER: P641962
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1441.9	10.0			
FM	(30°-60°)	6823.8	47.5			
FH	(60°-80°)	1525.5	10.6			G1/1800
FVH	(80°-90°)	20.6	0.1			G1/100
BL	(0°-30°)	1239.4	8.6	B3/2500		
BM	(30°-60°)	2488.4	17.3	B2/2500		
BH	(60°-80°)	781.4	5.4	B2/1000		G2/1000
BVH	(80°-90°)	34.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P641962
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2
2.5°	2657.4	2656.2	2656.2	2663.4	2663.4	2665.8	2669.4	2673.1	2674.3	2668.2	2655.0
5°	2686.3	2686.3	2686.3	2692.4	2692.4	2694.8	2699.6	2700.8	2699.6	2689.9	2676.7
7.5°	2732.1	2732.1	2733.3	2740.6	2746.6	2750.2	2758.7	2757.5	2753.8	2738.2	2721.3
10°	2806.9	2810.5	2814.1	2822.6	2834.6	2843.1	2849.1	2849.1	2844.3	2820.2	2798.5
12.5°	2913.0	2917.8	2921.4	2928.7	2938.3	2952.8	2966.1	2966.1	2960.0	2929.9	2897.3
15°	3037.2	3042.0	3040.8	3043.2	3061.3	3081.8	3092.7	3099.9	3102.3	3060.1	3009.5
17.5°	3179.5	3184.3	3179.5	3172.2	3174.6	3207.2	3226.5	3253.0	3268.7	3212.0	3131.2
20°	3308.5	3303.6	3303.6	3308.5	3315.7	3355.5	3384.4	3427.8	3447.1	3378.4	3253.0
22.5°	3444.7	3455.6	3450.7	3450.7	3479.7	3546.0	3581.0	3637.6	3658.1	3568.9	3400.1
25°	3620.8	3630.4	3628.0	3630.4	3664.2	3758.2	3793.2	3898.1	3918.6	3790.8	3562.9
27.5°	3813.7	3829.3	3836.6	3834.2	3888.4	4011.4	4054.8	4200.7	4238.1	4039.1	3736.5
30°	4064.5	4081.3	4087.4	4085.0	4148.9	4316.4	4365.9	4532.3	4585.3	4333.3	3957.1
32.5°	4355.0	4371.9	4390.0	4397.2	4479.2	4650.4	4721.6	4894.0	4969.9	4673.3	4223.6
35°	4643.2	4657.7	4692.6	4749.3	4861.4	5036.3	5099.0	5269.0	5342.5	5026.6	4545.5
37.5°	4961.5	4971.1	5001.3	5079.7	5241.2	5407.6	5470.3	5633.1	5641.5	5367.8	4909.7
40°	5310.0	5310.0	5303.9	5381.1	5549.9	5717.5	5771.7	5865.8	5816.4	5630.7	5264.1
42.5°	5605.4	5600.5	5605.4	5677.7	5803.1	5939.3	5986.4	5968.3	5905.6	5832.0	5584.9
45°	5871.8	5875.4	5918.8	5974.3	6039.4	6120.2	6147.9	6045.4	5988.8	5993.6	5841.7
47.5°	6052.7	6056.3	6157.6	6250.4	6290.2	6315.5	6303.5	6161.2	6132.2	6186.5	6039.4
50°	6076.8	6096.1	6270.9	6461.4	6560.3	6563.9	6530.1	6356.5	6348.1	6409.6	6145.5
52.5°	6081.6	6100.9	6319.1	6662.8	6919.6	6973.8	6935.3	6754.4	6666.4	6604.9	6275.7
55°	6063.5	6085.2	6326.4	6797.8	7289.7	7506.8	7510.4	7254.8	6973.8	6932.8	6647.1
57.5°	5353.4	5361.8	5735.6	6454.2	7275.3	7890.2	7937.2	7590.0	7269.2	7230.7	6944.9
60°	3729.3	3763.0	4169.4	5118.2	6111.8	7195.7	7347.6	7246.3	7031.7	6750.8	5958.6
62.5°	1867.6	1896.6	2304.1	3201.2	4215.2	5071.2	5234.0	5341.3	5391.9	5090.5	4057.2
65°	804.2	825.9	1079.1	1672.3	2386.1	2799.7	2856.3	2985.3	3301.2	2945.6	2186.0
67.5°	537.7	552.2	681.2	1020.0	1405.9	1432.4	1423.9	1451.7	1520.4	1255.1	987.5
70°	412.4	424.4	511.2	747.5	1010.4	864.5	818.7	742.7	806.6	822.3	800.6
72.5°	299.0	308.7	373.8	510.0	633.0	552.2	545.0	583.6	670.4	694.5	681.2
75°	192.9	197.7	237.5	279.7	326.7	354.5	368.9	438.9	526.9	545.0	529.3
77.5°	129.0	132.6	155.5	179.7	185.7	186.9	191.7	223.1	283.3	317.1	313.5
80°	67.5	67.5	76.0	76.0	86.8	103.7	108.5	129.0	156.7	173.6	174.8
82.5°	26.5	27.7	32.6	36.2	43.4	53.1	56.7	67.5	82.0	94.0	104.9
85°	10.9	12.1	13.3	15.7	19.3	24.1	25.3	28.9	38.6	48.2	54.3
87.5°	0.0	0.0	1.2	1.2	2.4	3.6	3.6	4.8	6.0	10.9	14.5
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: P641962
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2	2662.2
2.5°	2670.7	2655.0	2670.7	2675.5	2688.7	2693.6	2685.1	2683.9	2683.9	2671.9	2668.2
5°	2688.7	2674.3	2689.9	2697.2	2716.5	2728.5	2730.9	2740.6	2746.6	2741.8	2740.6
7.5°	2733.3	2715.3	2732.1	2743.0	2768.3	2787.6	2796.0	2817.7	2833.4	2831.0	2829.8
10°	2811.7	2787.6	2806.9	2825.0	2852.7	2875.6	2876.8	2888.9	2904.6	2899.7	2897.3
12.5°	2902.1	2879.2	2900.9	2919.0	2951.6	2961.2	2945.6	2940.7	2943.1	2937.1	2932.3
15°	3013.1	2980.5	2999.8	3020.3	3038.4	3027.5	2993.8	2980.5	2979.3	2970.9	2966.1
17.5°	3124.0	3083.0	3097.5	3108.3	3099.9	3066.1	3023.9	3001.0	2990.2	2973.3	2968.5
20°	3233.7	3181.9	3179.5	3171.0	3132.4	3070.9	3014.3	2968.5	2940.7	2917.8	2909.4
22.5°	3359.1	3286.8	3250.6	3212.0	3127.6	3027.5	2941.9	2876.8	2832.2	2803.3	2793.6
25°	3494.2	3391.7	3316.9	3239.7	3079.4	2934.7	2815.3	2726.1	2673.1	2641.7	2630.9
27.5°	3628.0	3486.9	3374.8	3243.4	2982.9	2800.9	2640.5	2519.9	2466.9	2441.6	2433.1
30°	3808.8	3613.5	3443.5	3196.3	2856.3	2615.2	2415.0	2293.3	2258.3	2240.2	2233.0
32.5°	4017.4	3773.9	3535.1	3097.5	2694.8	2398.2	2187.2	2102.8	2078.6	2043.7	2042.5
35°	4292.3	4003.0	3622.0	2951.6	2491.0	2165.5	2012.3	1952.0	1908.6	1853.2	1848.4
37.5°	4613.1	4288.7	3669.0	2765.9	2253.5	1973.7	1882.1	1814.6	1744.7	1671.1	1661.5
40°	4944.6	4622.7	3672.6	2546.5	2020.8	1847.2	1770.0	1682.0	1595.2	1513.2	1502.3
42.5°	5293.1	4933.8	3608.7	2293.3	1830.3	1737.4	1659.1	1548.1	1450.5	1395.0	1389.0
45°	5604.1	5184.6	3464.0	2026.8	1689.2	1645.8	1545.7	1426.4	1374.5	1334.7	1326.3
47.5°	5848.9	5350.9	3268.7	1788.1	1574.7	1551.8	1421.5	1360.0	1320.3	1284.1	1275.6
50°	5969.5	5388.3	3014.3	1594.0	1468.6	1440.8	1351.6	1304.6	1278.1	1249.1	1241.9
52.5°	6119.0	5430.5	2794.8	1431.2	1364.9	1327.5	1293.7	1256.4	1237.1	1219.0	1212.9
55°	6462.6	5589.7	2679.1	1301.0	1266.0	1249.1	1244.3	1212.9	1206.9	1194.9	1184.0
57.5°	*6602.5*	*5487.2*	*2405.4*	*1194.9*	*1187.6*	*1190.0*	*1202.1*	*1173.2*	*1167.1*	*1152.7*	*1145.4*
60°	5310.0	4147.6	1628.9	1103.2	1122.5	1138.2	1150.2	1121.3	1112.9	1110.5	1100.8
62.5°	3402.5	2551.3	1137.0	1017.6	1046.6	1065.8	1073.1	1045.4	1039.3	1058.6	1059.8
65°	1771.2	1390.2	922.4	926.0	950.1	979.0	993.5	983.9	981.4	1001.9	1003.2
67.5°	904.3	850.0	804.2	817.5	836.8	874.1	907.9	950.1	964.6	967.0	968.2
70°	770.4	746.3	723.4	731.9	752.4	772.9	805.4	825.9	801.8	795.8	793.4
72.5°	655.9	637.8	627.0	636.6	647.5	643.8	634.2	643.8	647.5	648.7	649.9
75°	510.0	496.8	488.3	489.5	489.5	476.3	458.2	447.3	435.3	425.6	425.6
77.5°	312.3	314.7	323.1	321.9	320.7	315.9	297.8	288.2	259.2	250.8	250.8
80°	178.4	182.1	190.5	192.9	192.9	186.9	168.8	157.9	144.7	138.7	137.5
82.5°	108.5	113.3	118.2	120.6	121.8	114.5	98.9	90.4	83.2	77.2	77.2
85°	56.7	59.1	63.9	65.1	61.5	54.3	45.8	42.2	35.0	33.8	33.8
87.5°	15.7	16.9	19.3	15.7	14.5	10.9	6.0	4.8	2.4	1.2	1.2
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

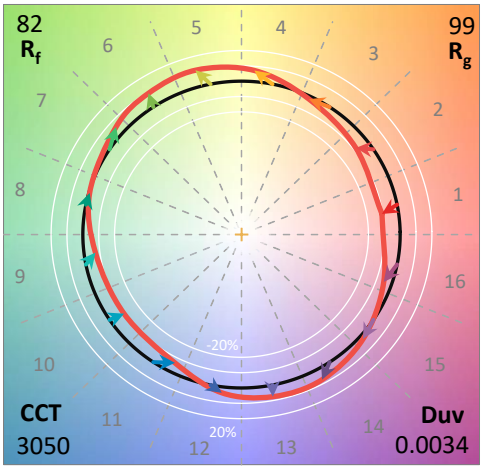
Test Information

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

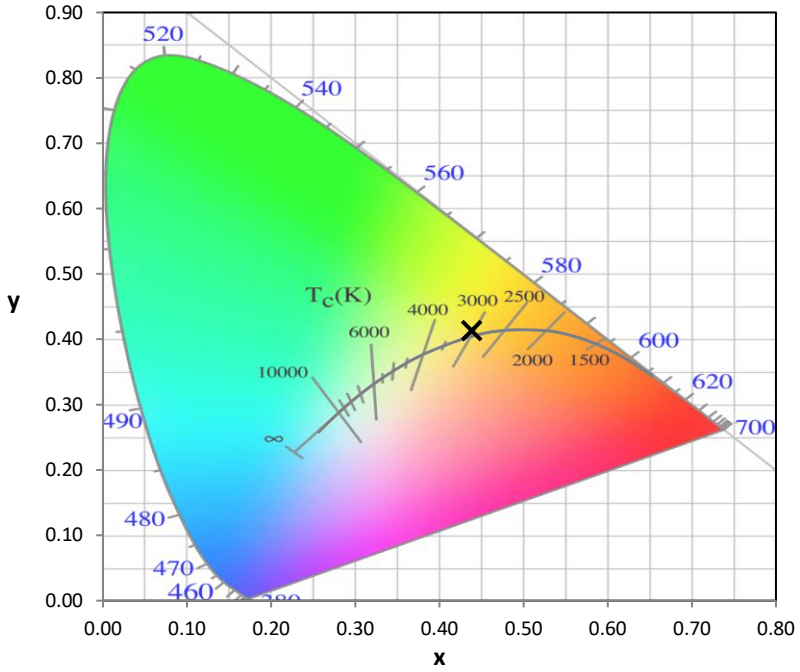
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

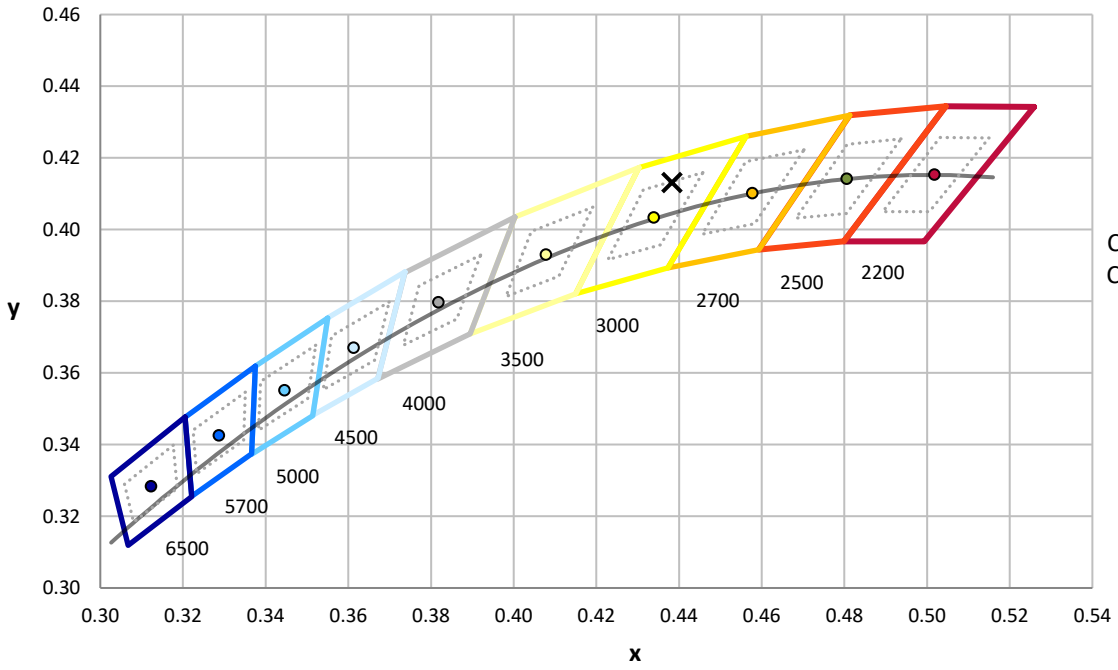
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

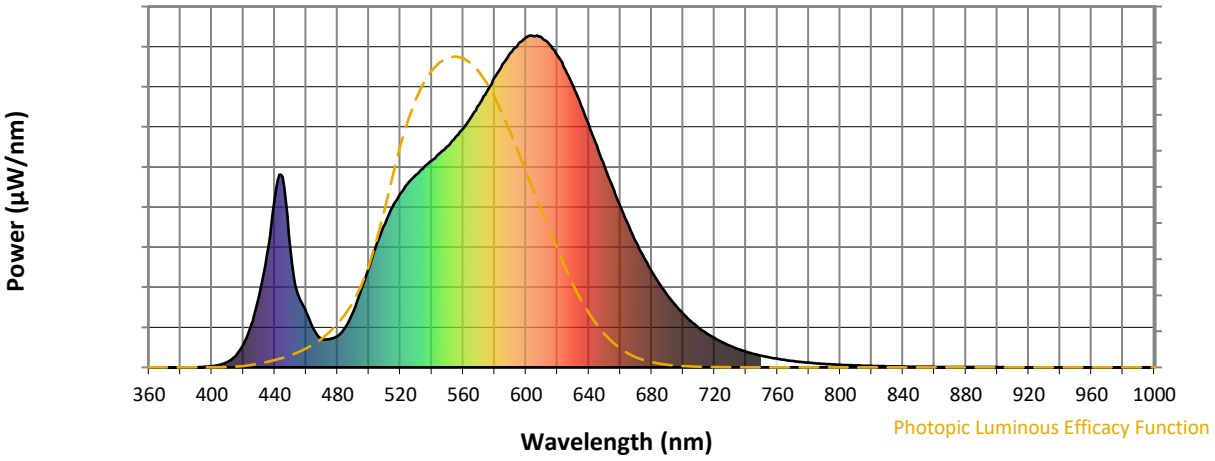


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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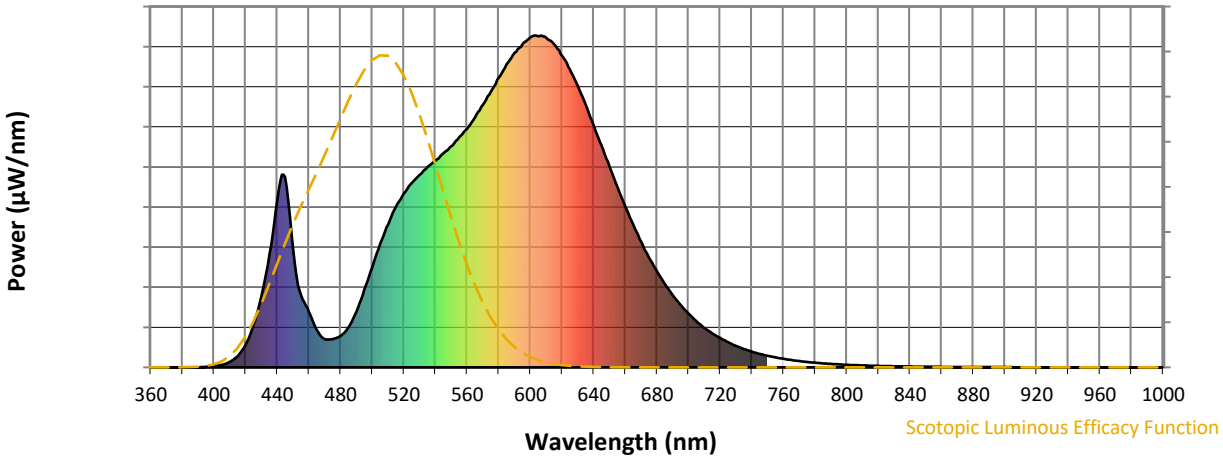
Scotopic Flux vs. Wavelength



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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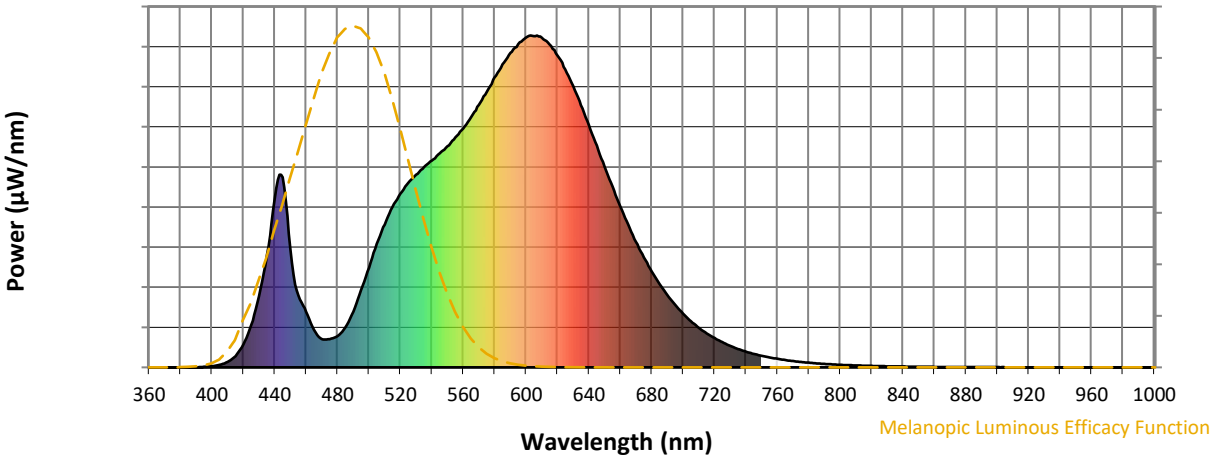
Melanopic Flux vs. Wavelength



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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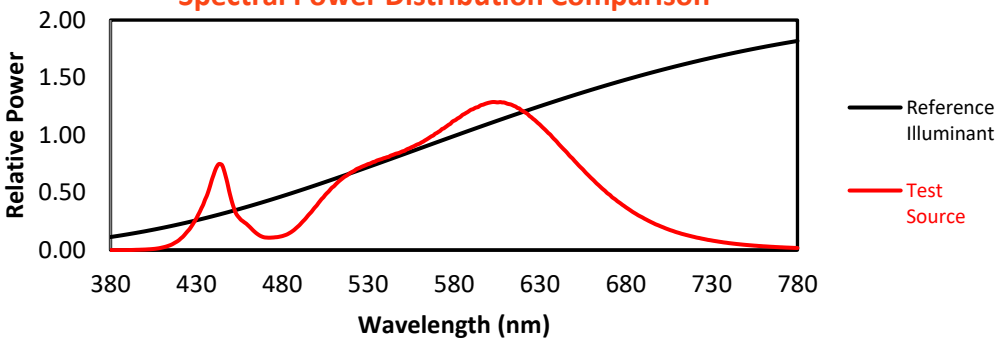
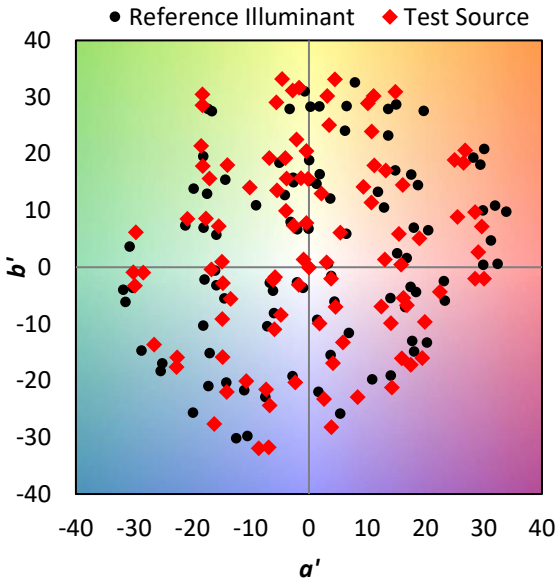
Summary

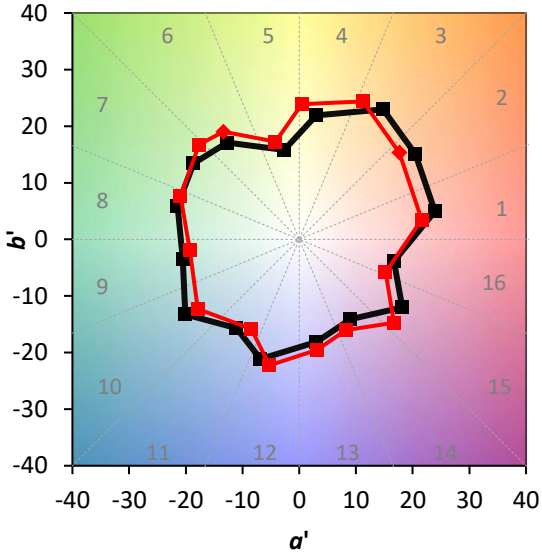
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

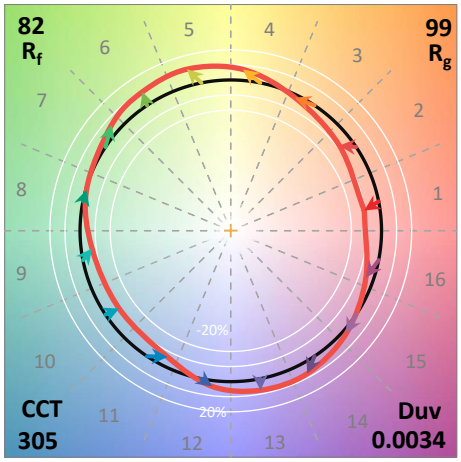
Spectral Power Distribution Comparison

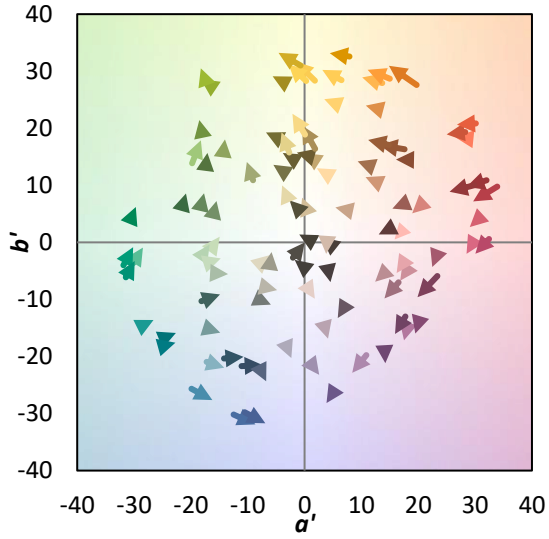


Color Vector Graphics









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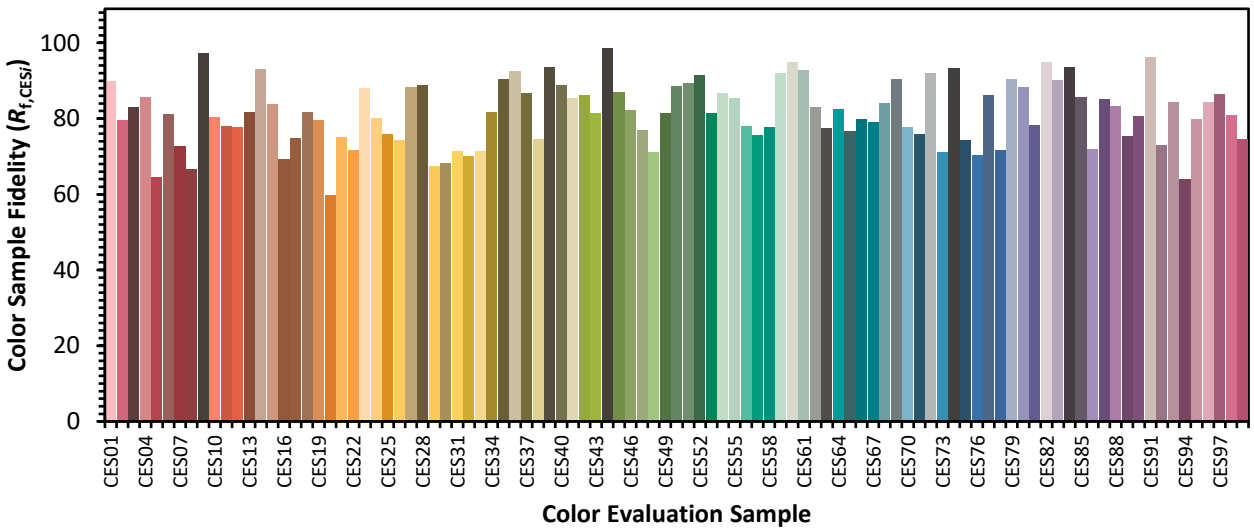
Individual Sample Fidelity Index ($R_{f,i}$)

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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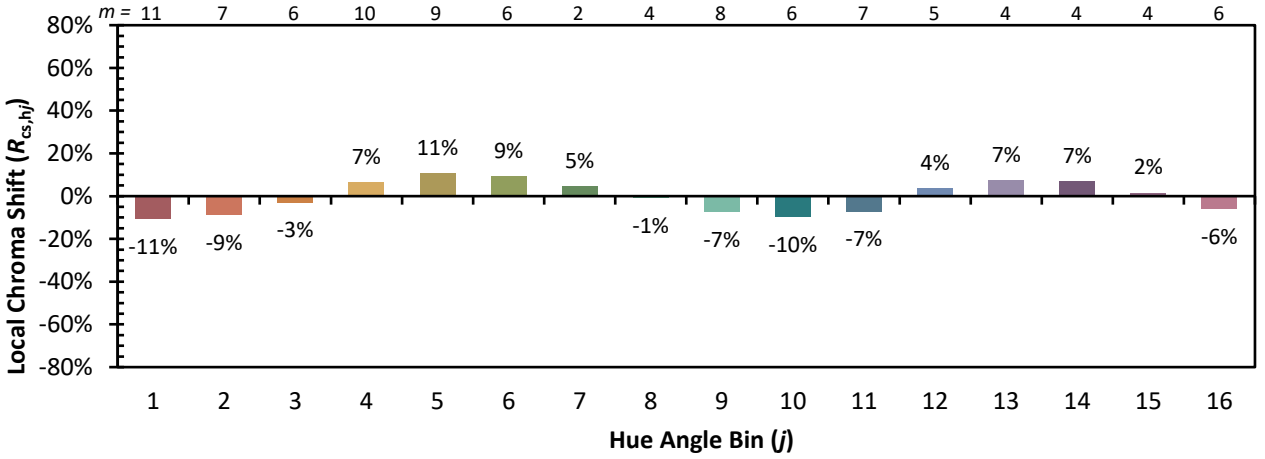
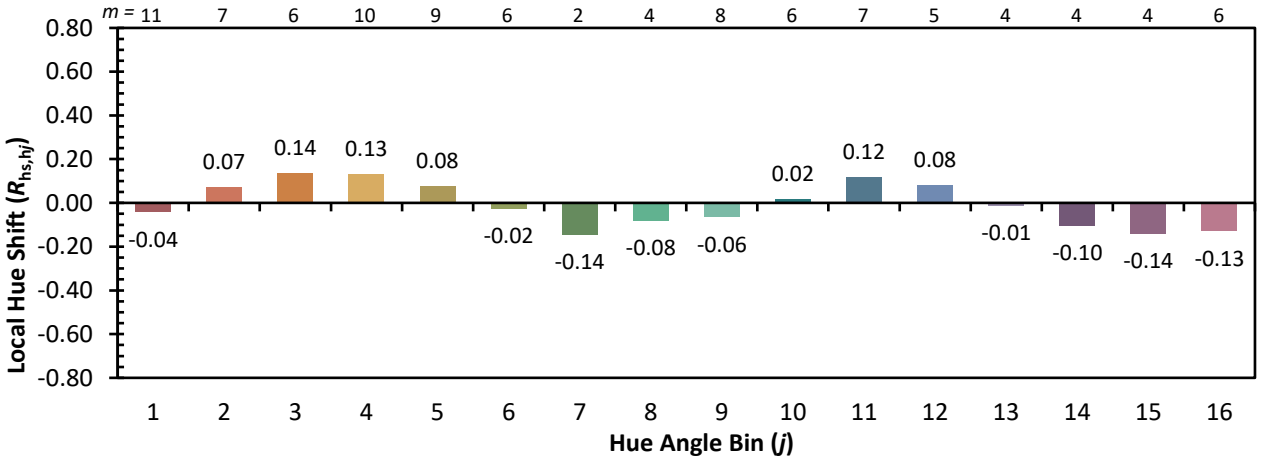
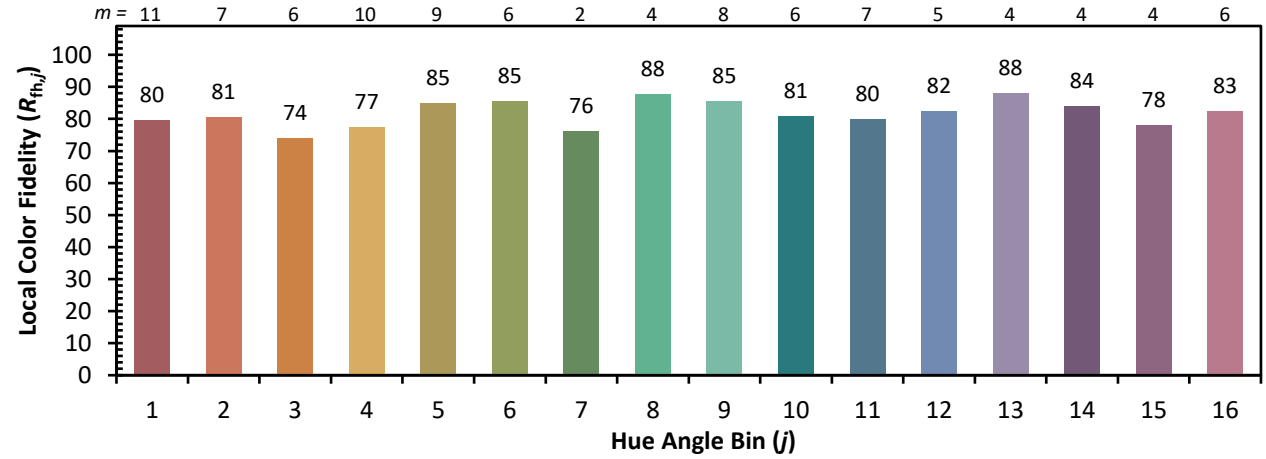
Color Rendition by Hue-Angle Bin







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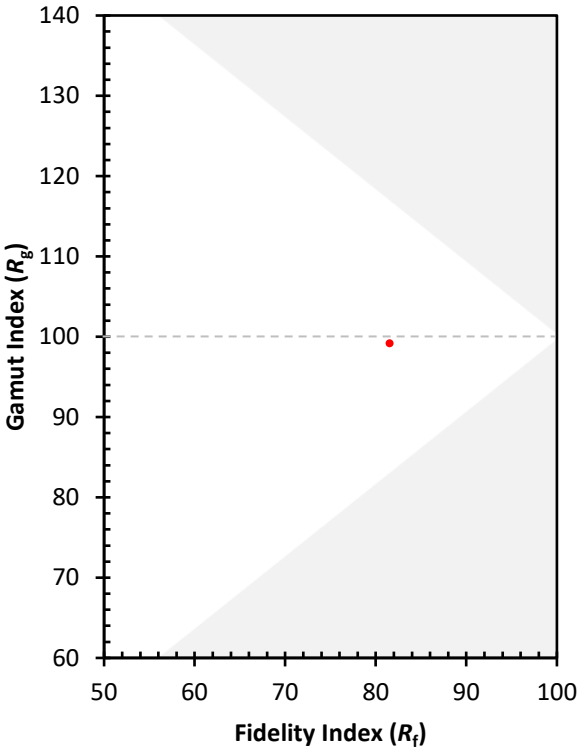
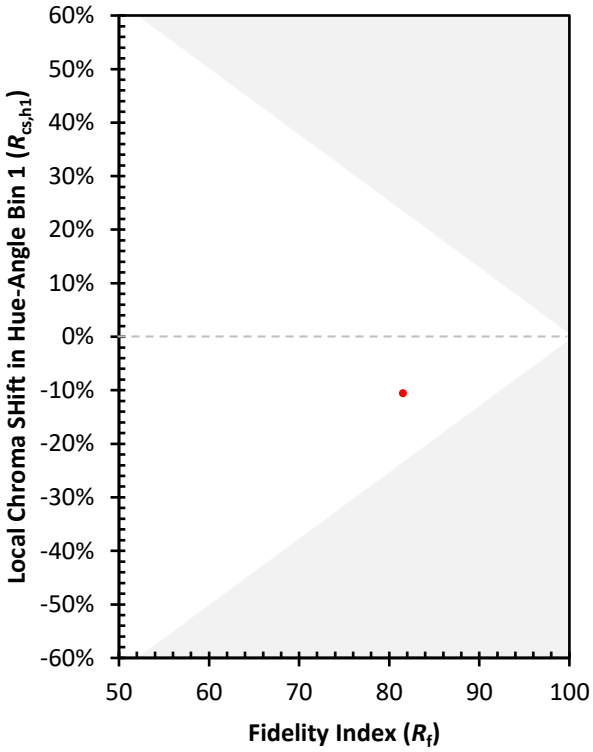
Measure Comparisons





(END OF REPORT)