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: P641968

Luminaire Tested: GWS-SA6B-830-U-T3R-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:	P641968
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-T3R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17098.4 lumens
Efficiency:	N/A
Efficacy:	123.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

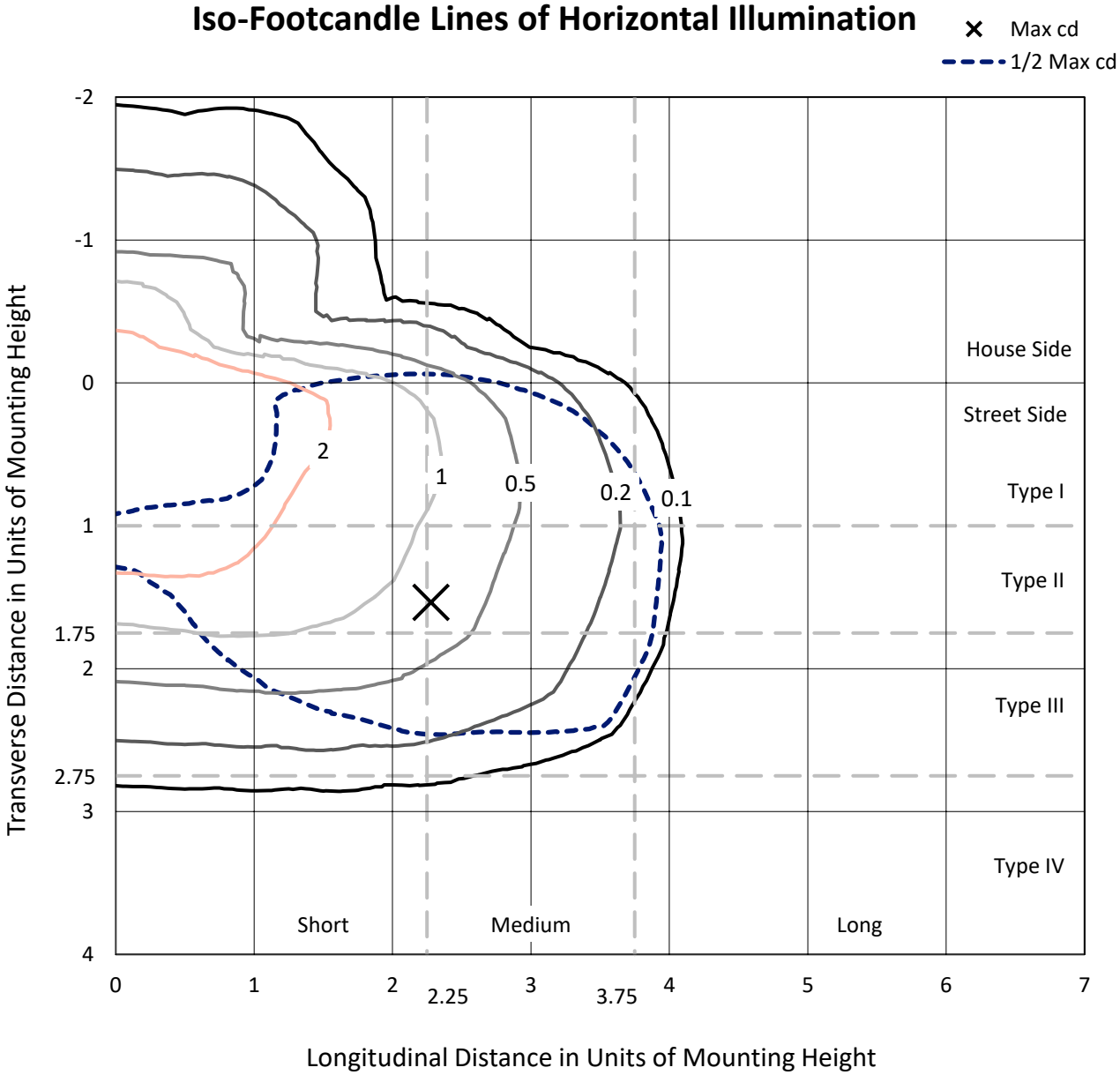
Input Watts (W):	138.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P641968
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination



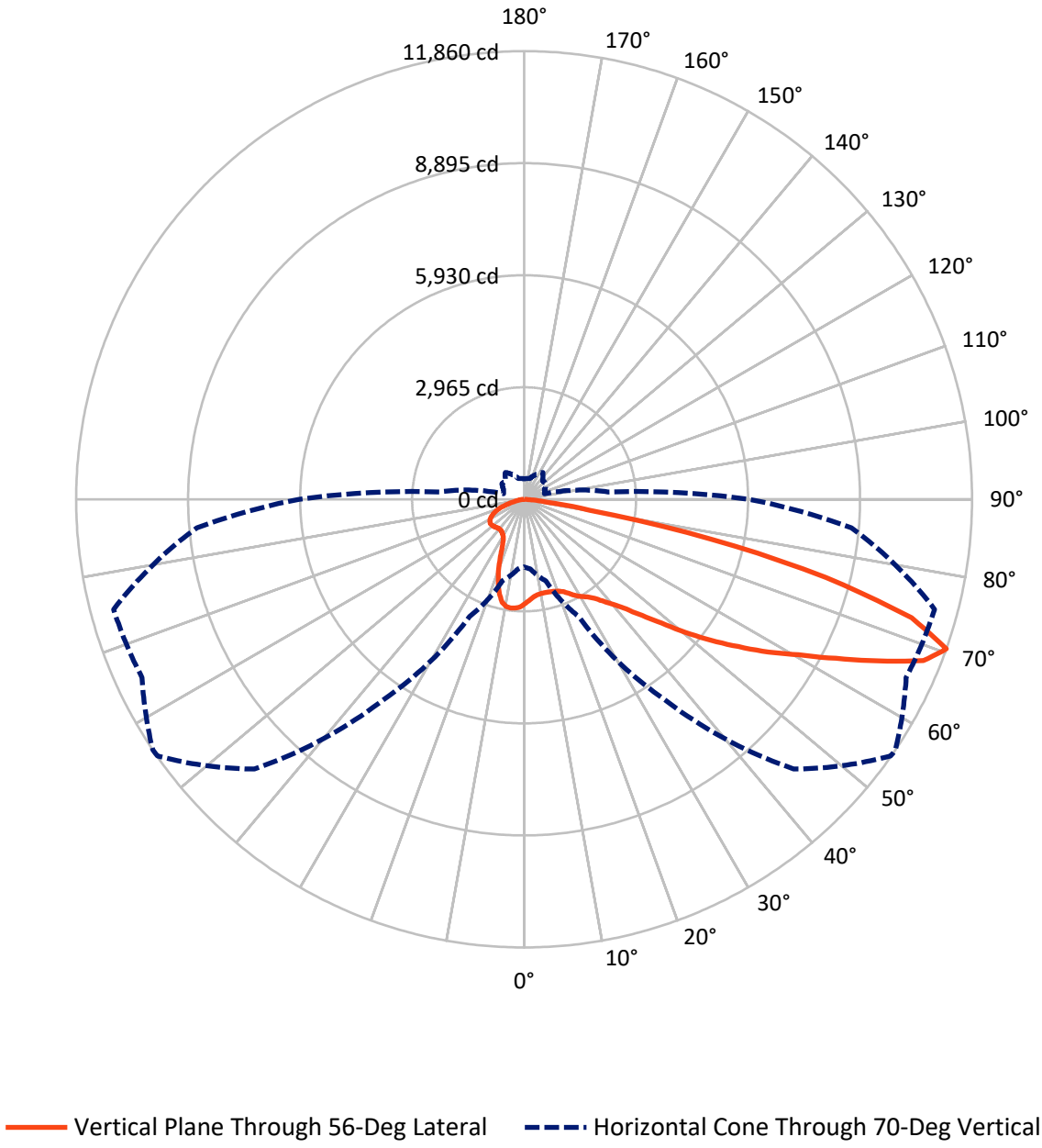
Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P641968
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W

Luminous Intensity Polar Plot



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

Scaled Data Report

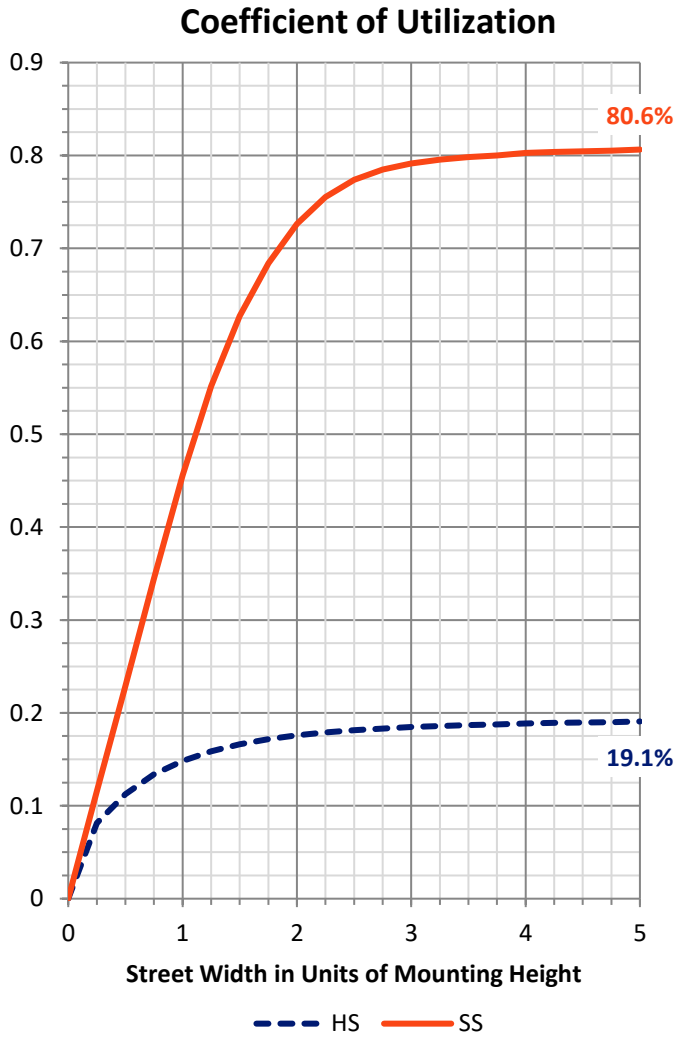
REPORT NUMBER: P641968
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3287.2	0.0	3287.2
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	13811.2	0.0	13811.2
	% Fixture	80.8	0.0	80.8
Total	Lumens	17098.4	0.0	17098.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.4	1.5
10°-20°	692.0	4.0
20°-30°	1144.1	6.7
30°-40°	1710.6	10.0
40°-50°	2545.6	14.9
50°-60°	3619.1	21.2
60°-70°	4482.3	26.2
70°-80°	2475.0	14.5
80°-90°	174.3	1.0
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°	17098.4	100.0
0°-180°	17098.4	100.0



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

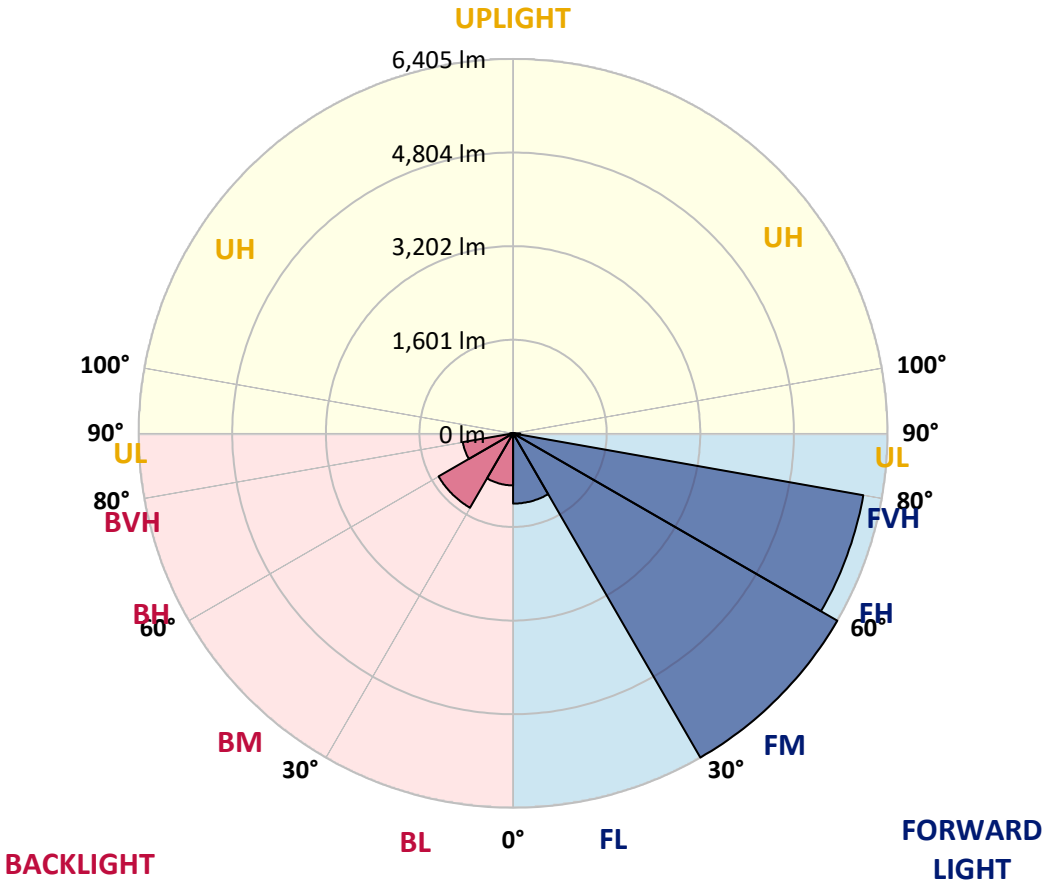
Scaled Data Report

REPORT NUMBER: P641968
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1201.7	7.0			
FM	(30°-60°)	6404.8	37.5			
FH	(60°-80°)	6083.6	35.6			G3/7500
FVH	(80°-90°)	121.1	0.7			G2/225
BL	(0°-30°)	889.9	5.2	B2/1000		
BM	(30°-60°)	1470.4	8.6	B2/2500		
BH	(60°-80°)	873.7	5.1	B2/1000		G2/1000
BVH	(80°-90°)	53.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P641968
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9
2.5°	2582.7	2568.2	2585.1	2593.6	2615.3	2646.6	2674.3	2675.5	2690.0	2725.0	2758.7
5°	2465.7	2458.5	2463.3	2488.7	2511.6	2551.4	2593.6	2597.2	2638.2	2706.9	2774.4
7.5°	2375.3	2365.7	2383.8	2416.3	2445.2	2489.9	2545.3	2550.1	2608.0	2711.7	2815.4
10°	2245.1	2237.9	2271.6	2315.0	2377.7	2451.3	2524.8	2530.9	2606.8	2743.1	2887.8
12.5°	2188.4	2188.4	2202.9	2243.9	2312.6	2410.3	2521.2	2530.9	2626.1	2791.3	2980.6
15°	2276.4	2282.5	2270.4	2268.0	2295.7	2388.6	2526.0	2540.5	2662.3	2840.7	3072.2
17.5°	2453.7	2459.7	2428.4	2378.9	2351.2	2409.1	2544.1	2559.8	2700.9	2895.0	3171.1
20°	2702.1	2709.3	2640.6	2564.6	2469.4	2468.2	2579.1	2593.6	2750.3	2954.1	3276.0
22.5°	2992.7	2997.5	2910.7	2790.1	2644.2	2577.9	2639.4	2653.8	2814.2	3036.1	3389.3
25°	3329.1	3343.5	3238.6	3063.8	2866.1	2728.6	2739.4	2756.3	2928.7	3145.8	3523.2
27.5°	3688.4	3706.5	3585.9	3393.0	3120.5	2895.0	2868.5	2882.9	3050.5	3213.3	3594.3
30°	4056.1	4069.4	3948.8	3728.2	3394.2	3083.1	2977.0	2985.4	3103.6	3245.9	3666.7
32.5°	4464.9	4454.0	4338.3	4083.9	3710.1	3308.6	3078.3	3075.8	3162.7	3311.0	3770.4
35°	4848.3	4864.0	4741.0	4460.0	4057.3	3587.1	3230.2	3220.5	3288.1	3417.1	3916.3
37.5°	5312.5	5307.7	5160.6	4856.7	4405.8	3853.6	3443.6	3426.7	3450.8	3582.3	4120.0
40°	5644.1	5677.8	5582.6	5299.2	4813.3	4181.5	3693.2	3655.8	3661.8	3786.0	4392.5
42.5°	5915.4	5946.7	5956.4	5775.5	5279.9	4586.6	4004.3	3966.9	3970.5	4146.5	4727.7
45°	6124.0	6166.2	6302.4	6249.4	5805.7	5054.5	4425.1	4386.5	4388.9	4584.2	5132.8
47.5°	6209.6	6255.4	6531.5	6658.1	6363.9	5613.9	4948.4	4891.7	4900.1	5116.0	5595.9
50°	6181.8	6243.3	6617.1	6972.8	6831.7	6183.0	5574.1	5534.4	5501.8	5815.3	6098.6
52.5°	5943.1	6010.6	6608.7	7173.0	7214.0	6720.8	6220.4	6197.5	6190.3	6558.0	6660.5
55°	5240.2	5353.5	6318.1	7226.0	7513.0	7227.2	6921.0	6882.4	6919.8	7353.8	7228.4
57.5°	4850.7	4935.1	5749.0	7166.9	7757.7	7709.5	7620.3	7623.9	7666.1	8218.3	7916.9
60°	4628.8	4727.7	5433.1	7005.4	7992.9	8295.5	8352.2	8352.2	8428.1	9150.4	8616.2
62.5°	4334.6	4434.7	5137.7	6694.3	8209.9	8985.2	9272.2	9268.5	9298.7	10149.9	9299.9
65°	3737.8	3830.6	4544.4	6203.5	8316.0	9744.8	10317.5	10306.7	10246.4	11039.8	9752.0
67.5°	2714.1	2802.1	3481.0	5270.3	7933.8	10357.3	11394.3	11399.1	11038.6	11600.4	9776.2
70°	1789.3	1849.6	2237.9	3423.1	6451.9	10093.3	11845.2	11859.7	11160.4	11250.8	8700.6
72.5°	1116.5	1158.7	1397.5	2041.3	3812.6	7989.3	10687.7	10727.5	10040.2	9887.1	7148.8
75°	741.5	770.5	929.6	1190.1	1764.0	4323.8	8124.3	8252.1	8047.1	7750.5	4980.9
77.5°	446.1	470.2	592.0	756.0	781.3	1689.2	4742.2	5072.6	5101.5	4046.5	2085.9
80°	203.8	231.5	326.8	431.7	416.0	588.4	1672.4	1749.5	2064.2	1285.3	658.3
82.5°	120.6	132.6	217.0	214.6	177.2	285.8	601.7	617.3	524.5	470.2	280.9
85°	48.2	56.7	91.6	80.8	65.1	92.8	226.7	237.5	227.9	205.0	103.7
87.5°	0.0	0.0	0.0	0.0	1.2	2.4	20.5	21.7	31.3	56.7	31.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P641968
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9	2759.9
2.5°	2780.4	2773.2	2809.4	2837.1	2849.2	2861.2	2850.4	2846.8	2846.8	2822.6	2810.6
5°	2810.6	2814.2	2863.6	2886.5	2886.5	2876.9	2848.0	2827.5	2820.2	2788.9	2780.4
7.5°	2867.3	2882.9	2928.7	2927.5	2893.8	2840.7	2768.4	2712.9	2662.3	2640.6	2627.3
10°	2960.1	2980.6	3011.9	2961.3	2867.3	2727.4	2574.3	2453.7	2381.3	2323.5	2323.5
12.5°	3066.2	3085.5	3079.5	2962.5	2768.4	2506.7	2286.1	2147.4	2046.1	1993.1	1993.1
15°	3172.3	3188.0	3122.9	2907.0	2562.2	2213.7	1972.6	1806.2	1718.2	1668.7	1668.7
17.5°	3279.6	3278.4	3141.0	2779.2	2293.3	1889.4	1653.1	1524.1	1493.9	1485.5	1484.3
20°	3383.3	3355.6	3118.1	2565.8	1981.0	1562.6	1413.1	1421.6	1466.2	1485.5	1487.9
22.5°	3500.3	3431.5	3050.5	2293.3	1626.5	1336.0	1345.6	1415.5	1480.7	1509.6	1513.2
25°	3619.6	3496.7	2937.2	1973.8	1329.9	1252.8	1327.5	1405.9	1479.4	1516.8	1520.4
27.5°	3667.9	3496.7	2744.3	1603.6	1172.0	1217.8	1299.8	1375.8	1452.9	1496.3	1504.8
30°	3707.7	3466.5	2474.2	1269.6	1106.9	1184.0	1255.2	1325.1	1401.1	1454.1	1463.8
32.5°	3763.1	3440.0	2147.4	1067.1	1076.7	1151.5	1200.9	1260.0	1328.7	1363.7	1360.1
35°	3828.2	3399.0	1753.1	970.6	1051.4	1123.8	1158.7	1193.7	1162.3	1161.1	1164.7
37.5°	3921.1	3362.8	1409.5	927.2	1034.5	1104.5	1133.4	1058.6	1015.2	997.1	989.9
40°	4054.9	3348.3	1111.7	901.9	1032.1	1103.3	1082.8	967.0	907.9	845.2	844.0
42.5°	4223.7	3337.5	918.8	889.8	1040.6	1131.0	1012.8	906.7	784.9	757.2	754.8
45°	4440.7	3320.6	822.3	887.4	1061.1	1152.7	1005.6	823.5	740.3	728.3	728.3
47.5°	4702.4	3294.1	778.9	887.4	1084.0	1143.0	983.9	805.4	719.8	733.1	741.5
50°	5002.6	3260.3	756.0	885.0	1106.9	1143.0	938.1	801.8	715.0	783.7	811.5
52.5°	5323.4	3221.7	740.3	875.4	1122.5	1144.2	940.5	813.9	719.8	795.8	818.7
55°	5677.8	3215.7	718.6	854.9	1127.4	1112.9	946.5	840.4	727.1	721.0	722.2
57.5°	6125.2	3288.1	702.9	824.7	1108.1	1049.0	958.6	859.7	718.6	719.8	728.3
60°	6593.0	3424.3	716.2	795.8	1068.3	988.7	967.0	850.0	677.6	658.3	660.7
62.5°	6990.9	3528.0	727.1	782.5	1010.4	935.7	958.6	828.3	654.7	649.9	660.7
65°	7157.3	3442.4	700.5	754.8	926.0	870.5	940.5	800.6	635.4	617.3	618.5
67.5°	6972.8	3040.9	648.7	693.3	830.8	787.3	911.5	764.4	608.9	587.2	582.4
70°	*5956.4*	*2234.2*	*559.5*	*595.6*	*715.0*	*689.7*	*866.9*	*717.4*	*566.7*	*551.0*	*540.2*
72.5°	4800.1	1581.9	464.2	473.9	560.7	581.2	789.8	658.3	518.5	473.9	458.2
75°	3341.1	993.5	387.0	377.4	405.1	443.7	616.1	546.2	447.3	400.3	385.8
77.5°	1437.2	510.0	302.6	297.8	270.1	307.5	472.7	455.8	375.0	320.7	312.3
80°	481.1	295.4	218.2	209.8	179.7	215.8	332.8	364.1	294.2	237.5	223.1
82.5°	241.1	171.2	138.7	125.4	120.6	136.2	196.5	226.7	203.8	164.0	138.7
85°	118.2	97.7	76.0	74.8	62.7	59.1	82.0	96.5	91.6	67.5	63.9
87.5°	43.4	38.6	24.1	19.3	12.1	8.4	4.8	4.8	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

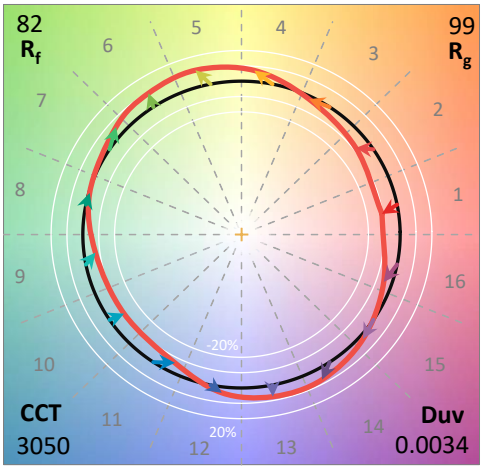
Test Information

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

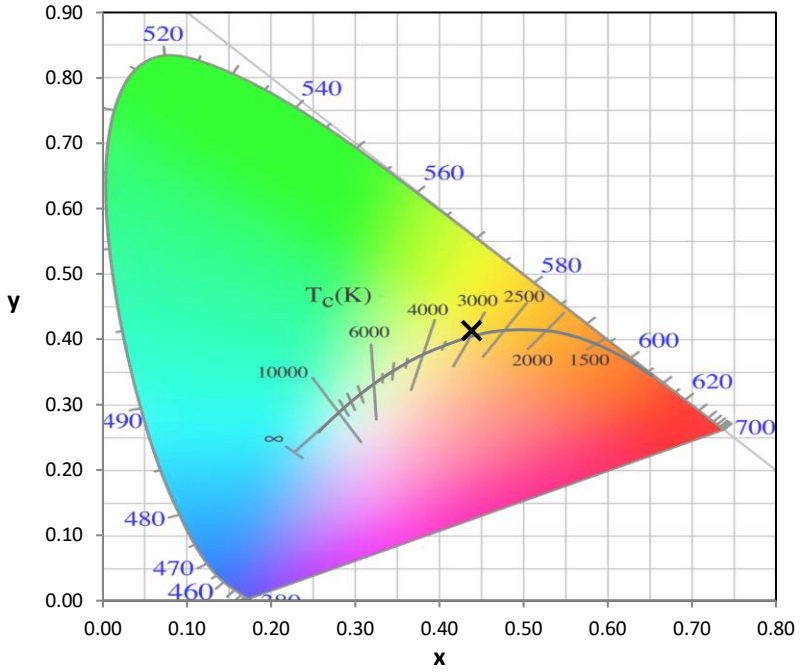
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

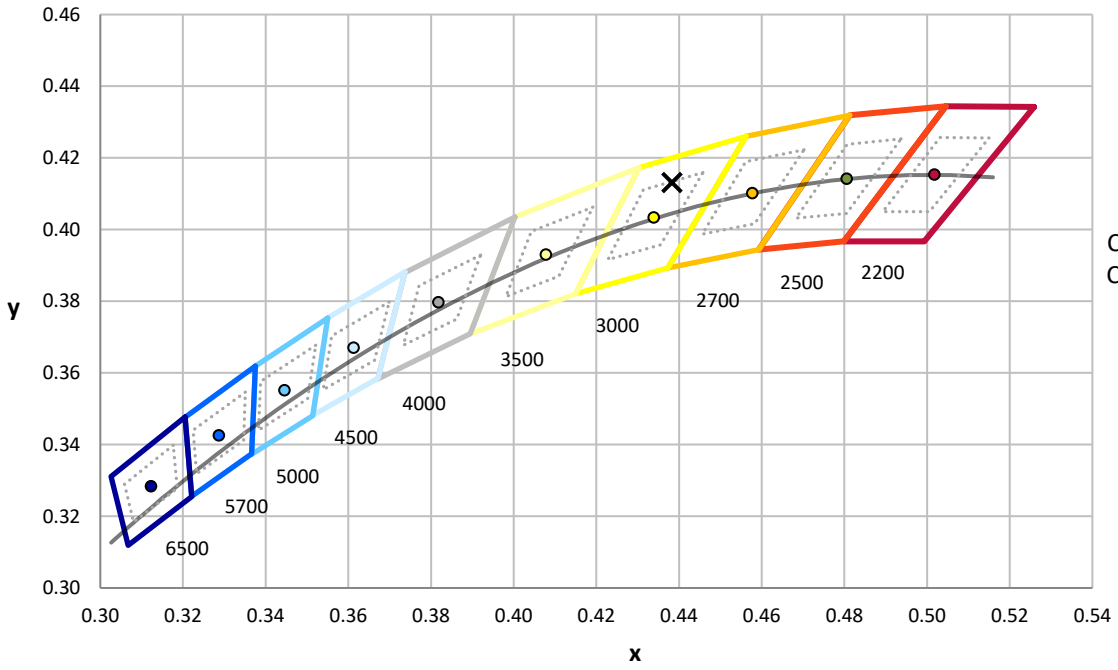
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

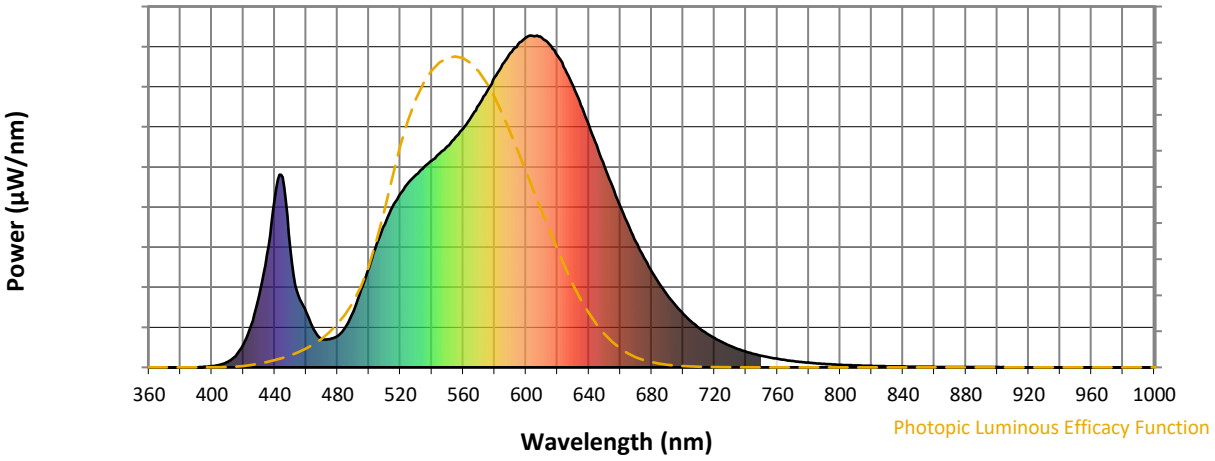


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

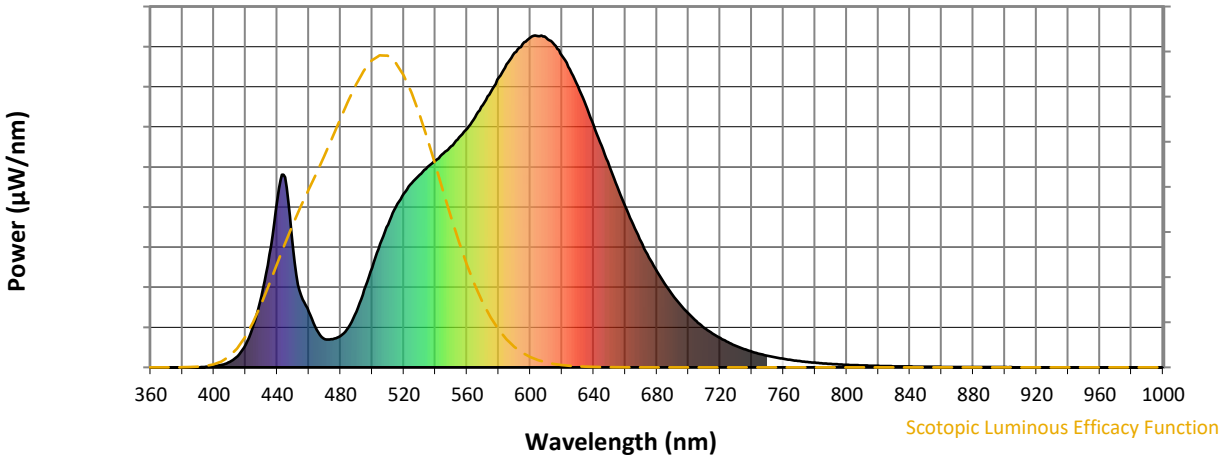


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

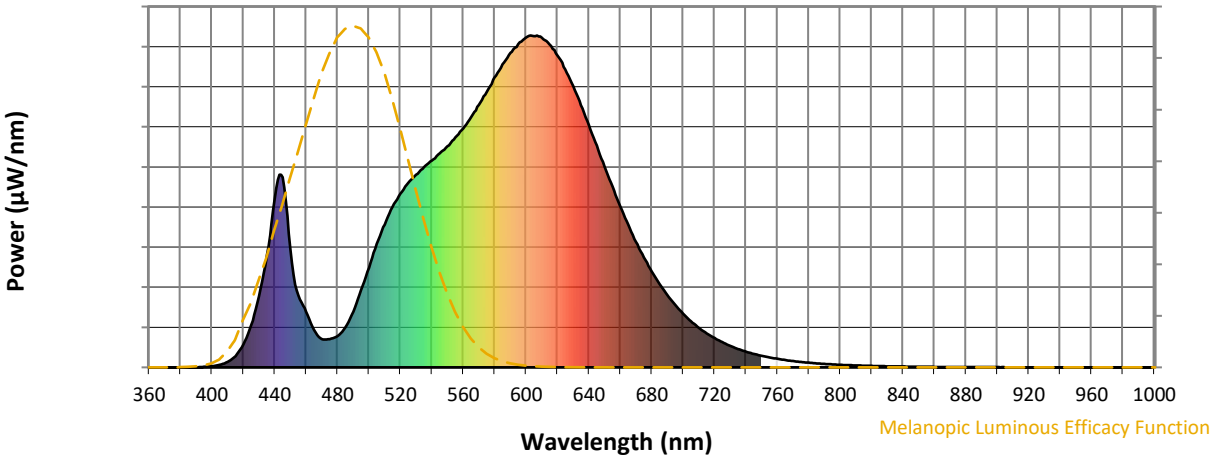


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

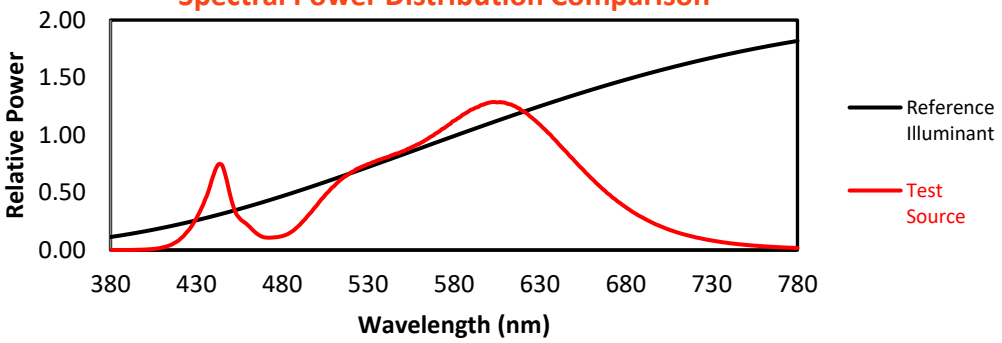
REPORT NUMBER: SP1-2408-195-9

TM-30-18

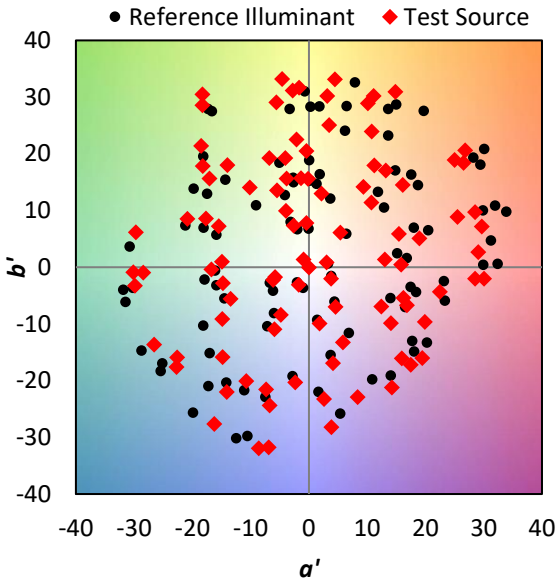
Summary

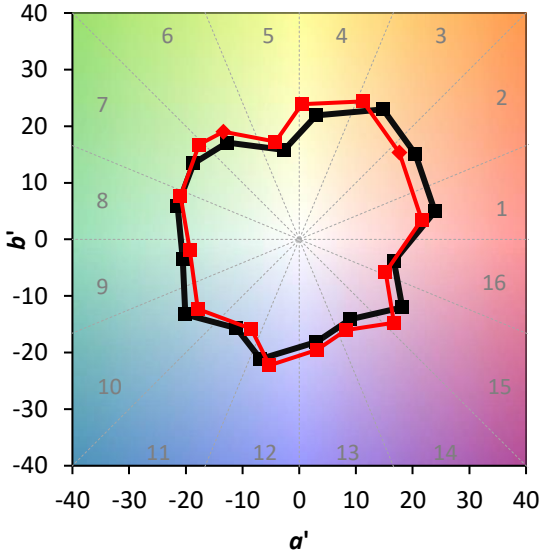
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

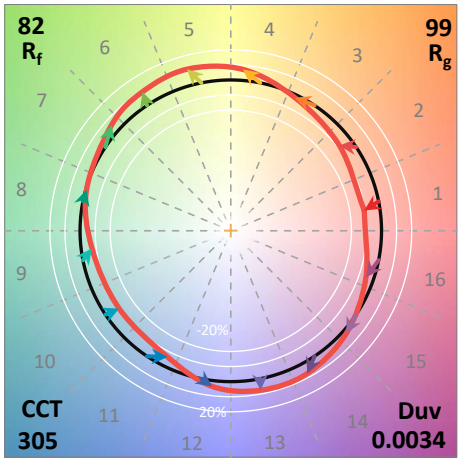
Spectral Power Distribution Comparison

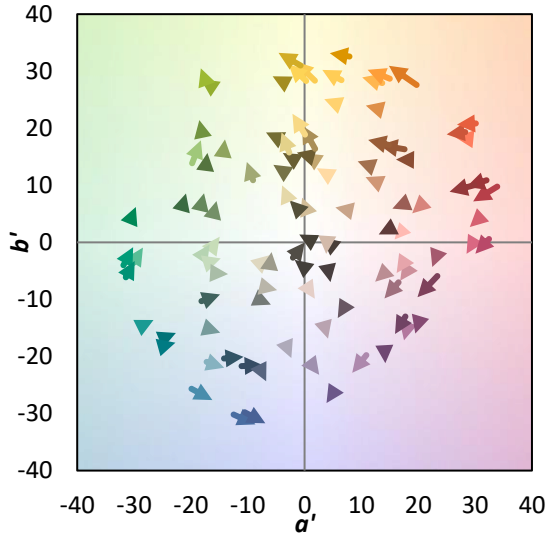


Color Vector Graphics







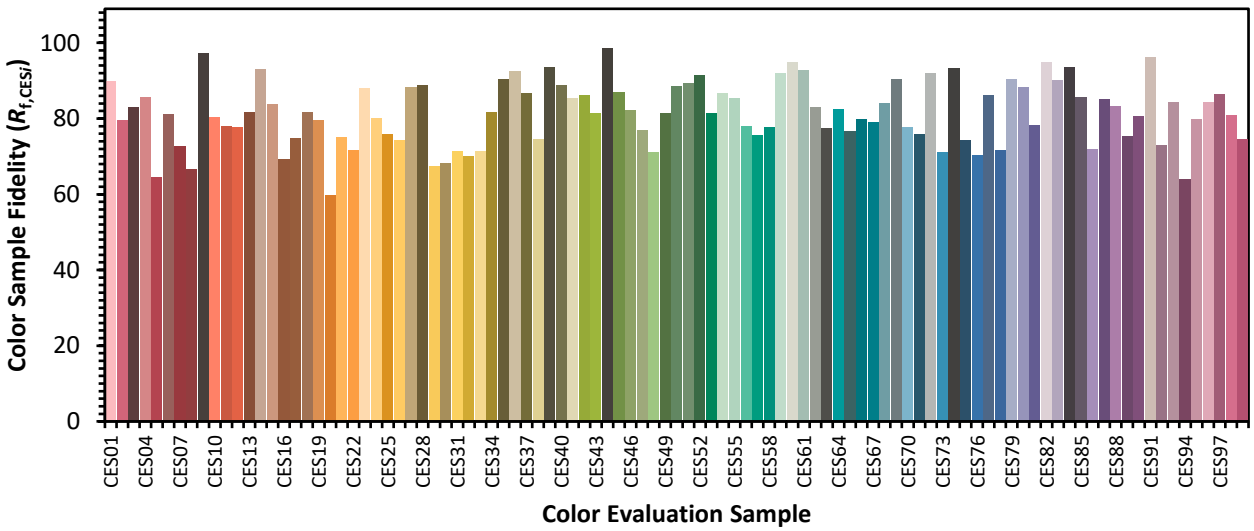


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

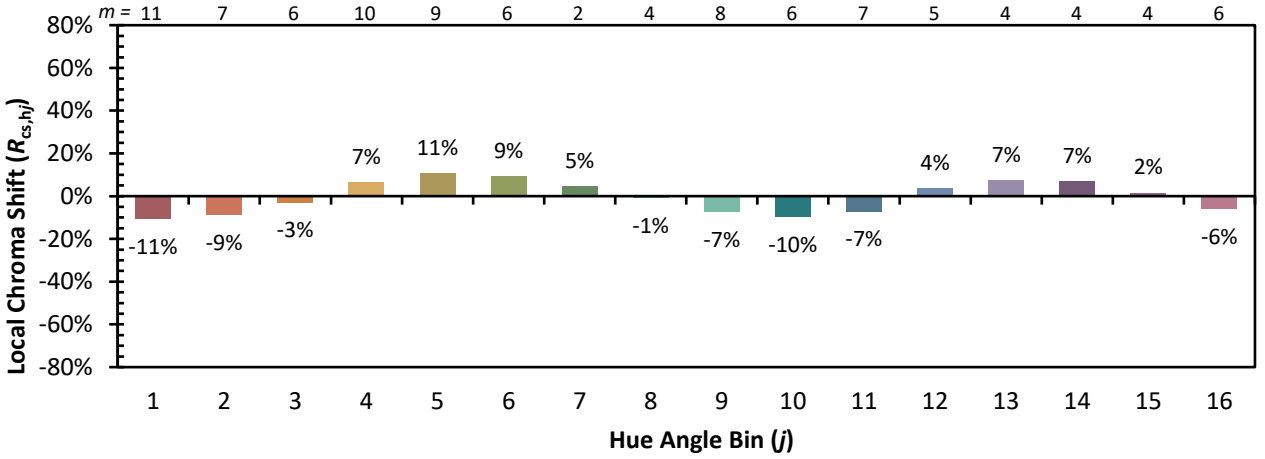
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

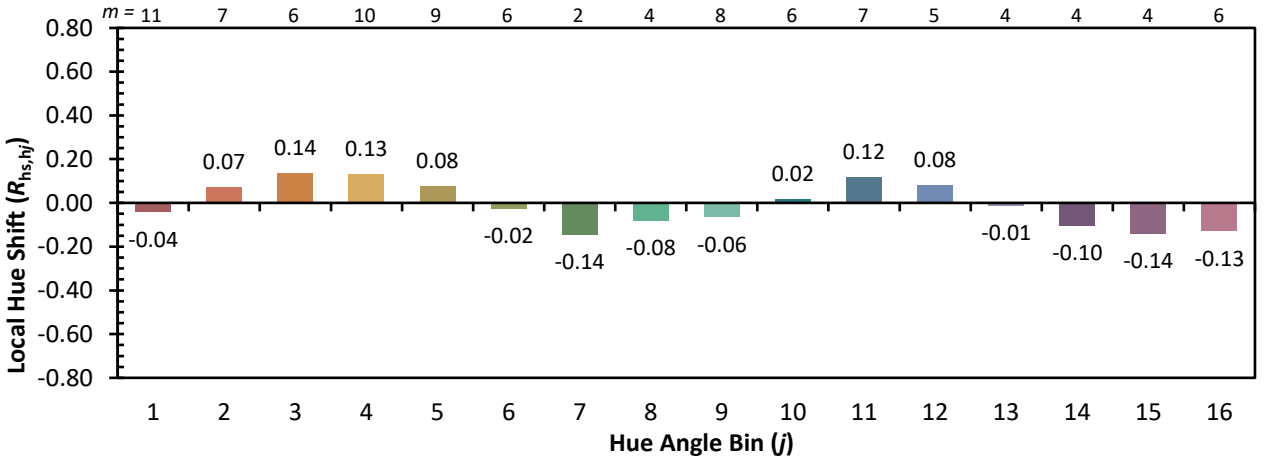


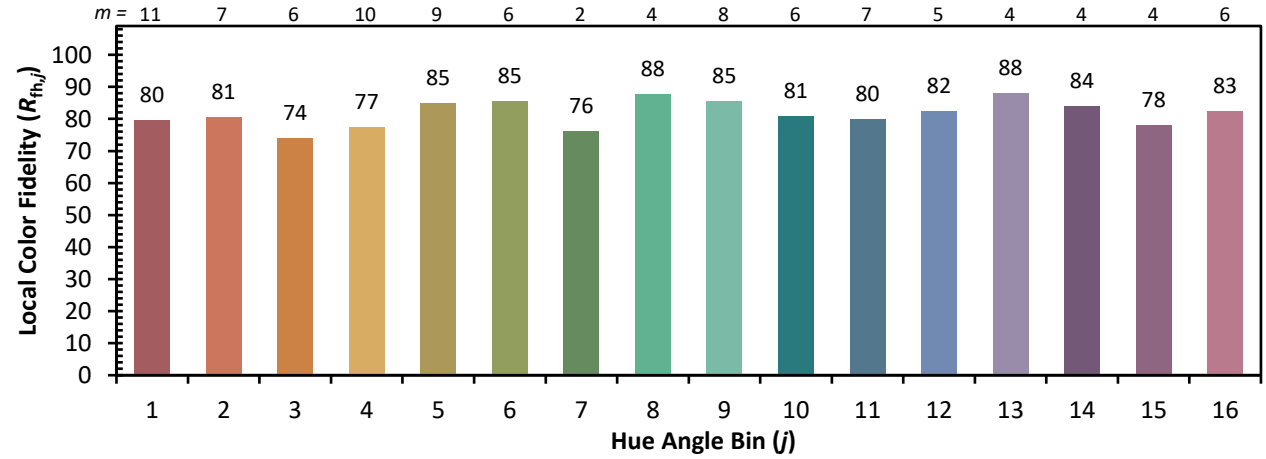
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



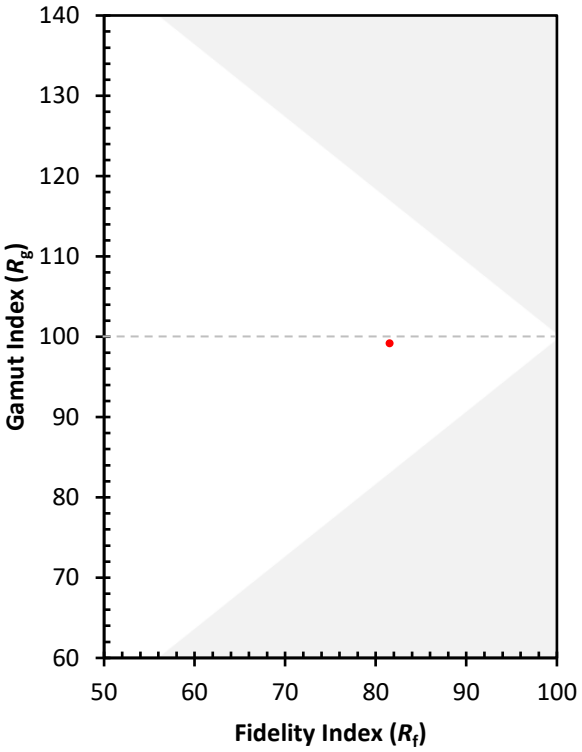


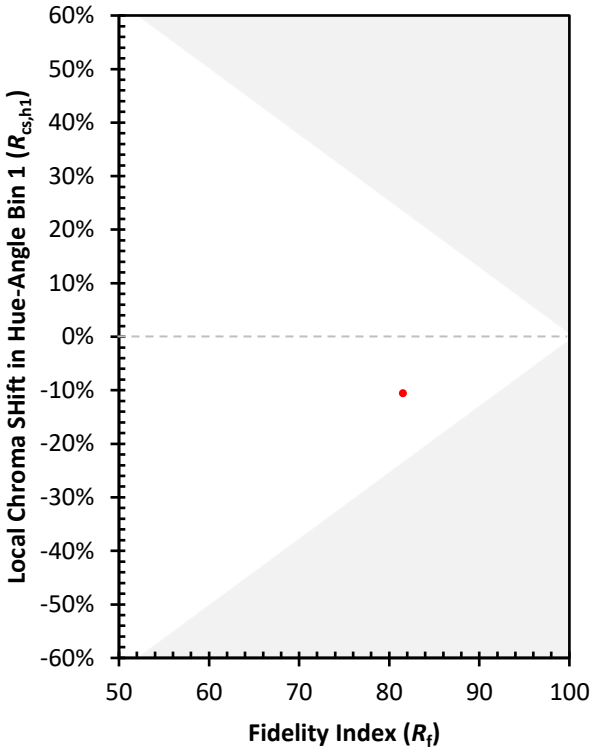


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)