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: P641965

Luminaire Tested: GWS-SA6B-830-U-T3R-W-GRSBK

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:	P641965
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
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-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10548.9 lumens
Efficiency:	N/A
Efficacy:	75.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G1

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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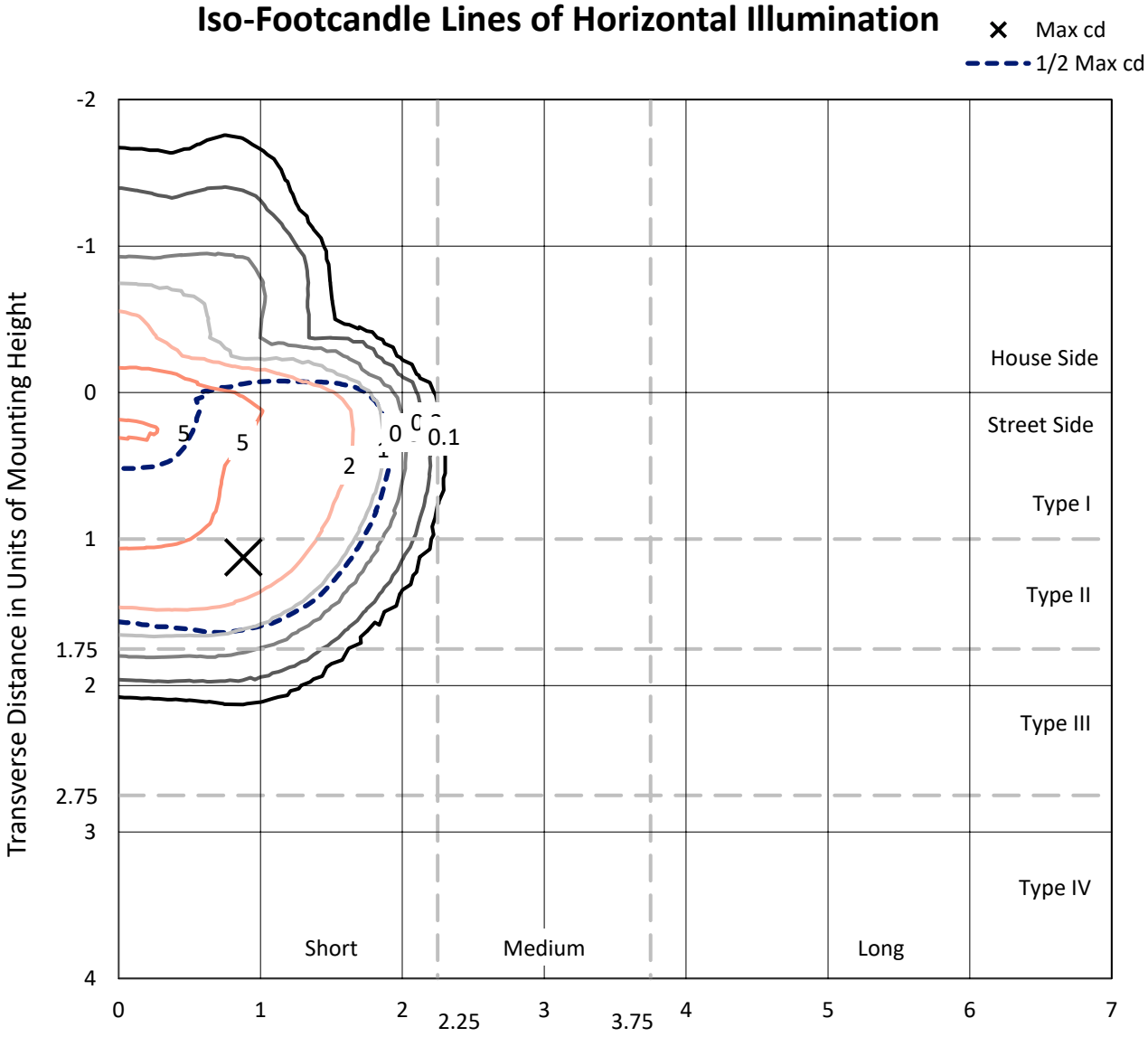
REPORT NUMBER: P641965
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
Type II - Short - N/A

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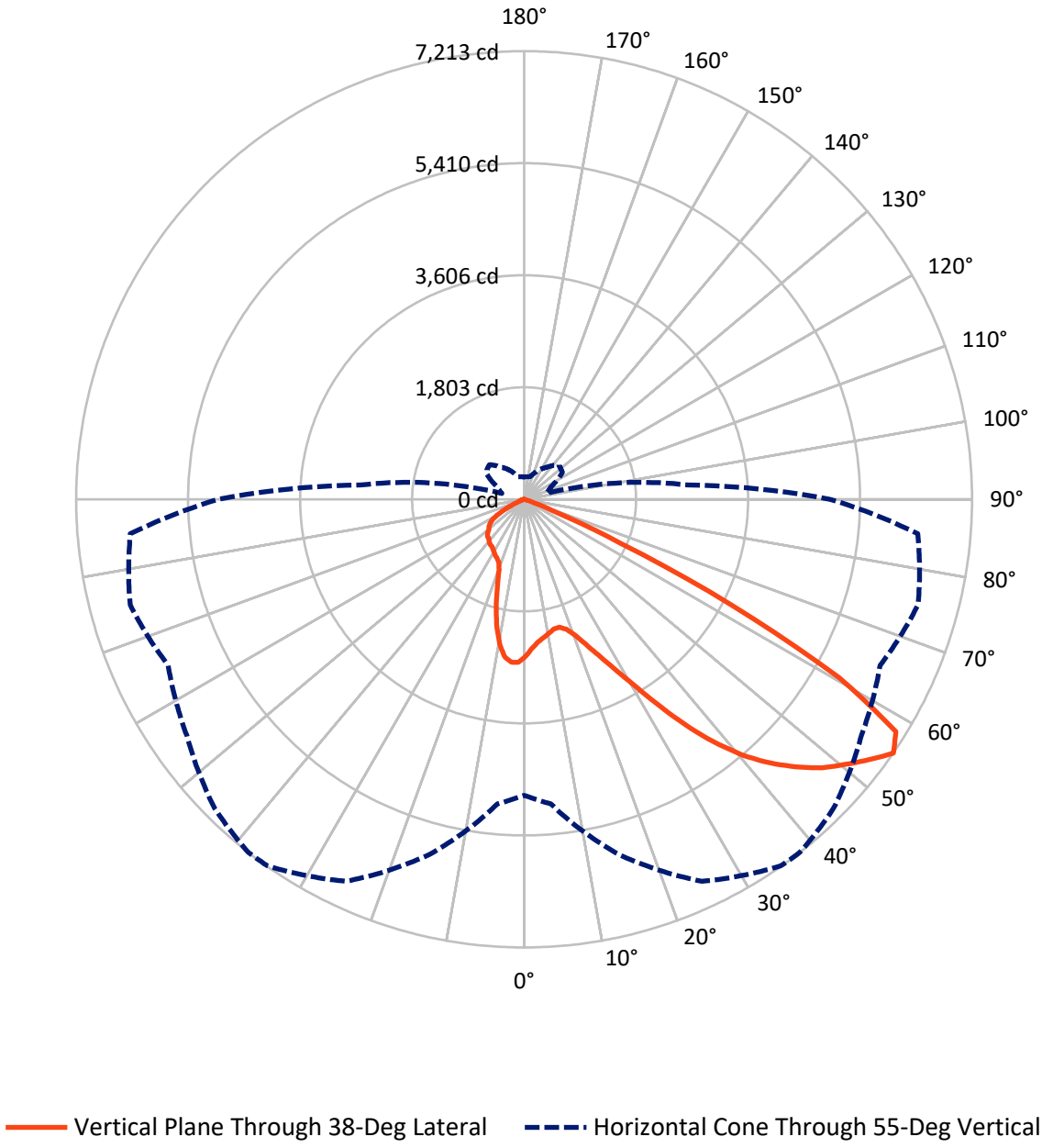
Luminous Intensity Polar Plot



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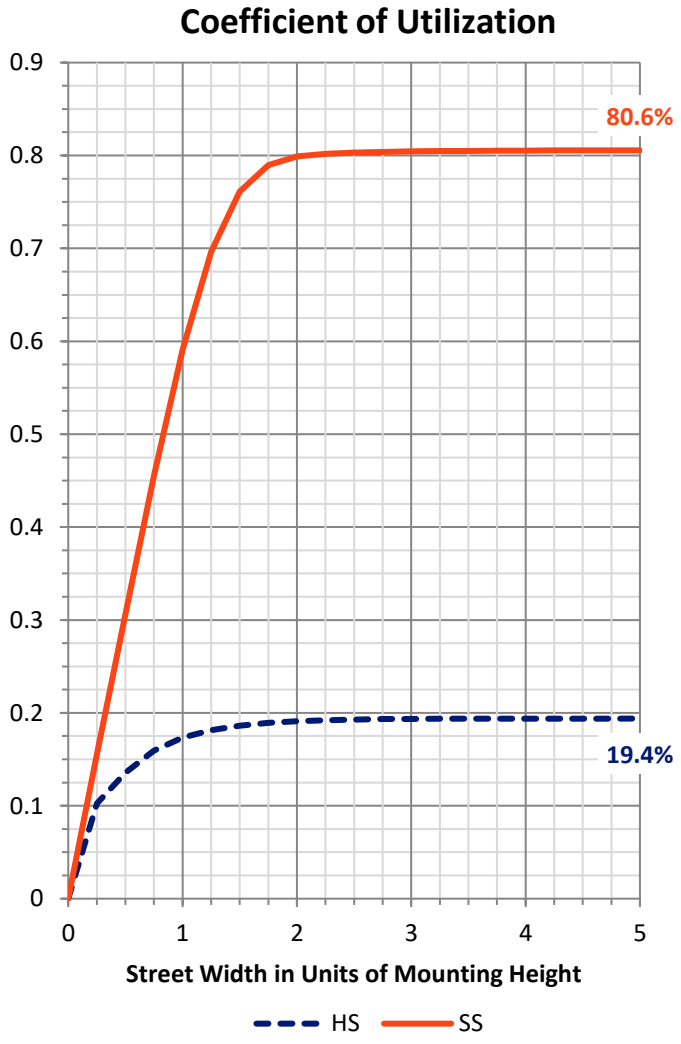
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2055.2	0.0	2055.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	8493.6	0.0	8493.6
	% Fixture	80.5	0.0	80.5
Total	Lumens	10548.9	0.0	10548.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.9	2.2
10°-20°	629.7	6.0
20°-30°	1080.6	10.2
30°-40°	1792.3	17.0
40°-50°	2634.7	25.0
50°-60°	3078.7	29.2
60°-70°	1043.6	9.9
70°-80°	53.3	0.5
80°-90°	2.1	0.0
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°	10548.9	100.0
0°-180°	10548.9	100.0



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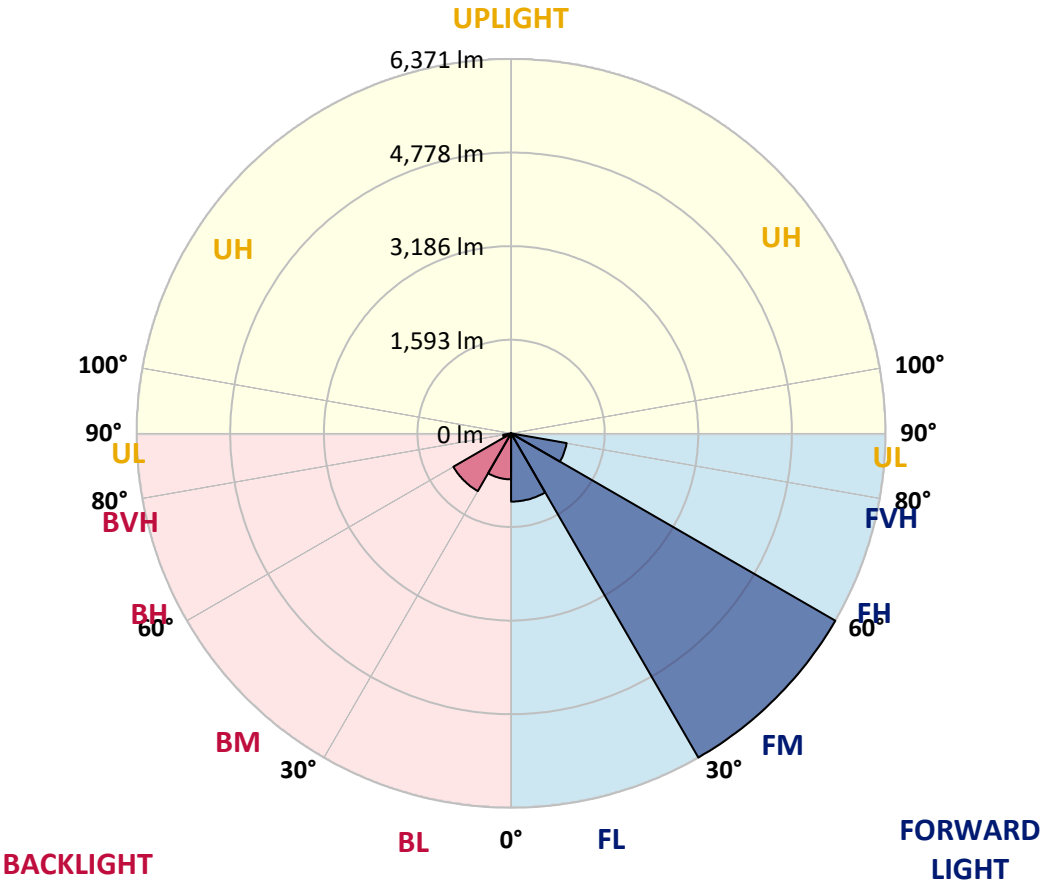
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1161.2	11.0			
FM	(30°-60°)	6371.2	60.4			
FH	(60°-80°)	960.1	9.1			G1/1800
FVH	(80°-90°)	1.1	0.0			G0/10
BL	(0°-30°)	783.0	7.4	B2/1000		
BM	(30°-60°)	1134.4	10.8	B2/2500		
BH	(60°-80°)	136.8	1.3	B1/500		G1/500
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type II Short



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REPORT NUMBER: P641965
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7
2.5°	2356.1	2351.3	2360.9	2380.2	2398.3	2404.3	2422.4	2447.7	2463.4	2500.8	2530.9
5°	2250.0	2247.6	2257.2	2274.1	2298.2	2306.6	2334.4	2376.6	2418.8	2483.9	2547.8
7.5°	2153.5	2152.3	2166.8	2204.1	2239.1	2250.0	2283.7	2335.6	2392.2	2492.3	2586.4
10°	2026.9	2028.1	2055.8	2108.9	2172.8	2194.5	2248.8	2323.5	2397.1	2526.1	2656.3
12.5°	1985.9	1988.3	2002.8	2043.8	2113.7	2141.4	2217.4	2330.8	2424.8	2574.3	2746.7
15°	2086.0	2086.0	2073.9	2078.7	2110.1	2135.4	2215.0	2354.9	2471.8	2632.2	2836.0
17.5°	2280.1	2272.9	2242.7	2201.7	2190.9	2199.3	2263.2	2406.7	2538.1	2699.7	2937.3
20°	2543.0	2545.4	2486.3	2400.7	2332.0	2330.8	2369.3	2498.4	2633.4	2780.5	3047.0
22.5°	2861.3	2851.6	2773.3	2656.3	2536.9	2527.3	2543.0	2638.2	2770.9	2908.3	3182.0
25°	3230.3	3225.4	3114.5	2957.8	2799.8	2776.9	2776.9	2870.9	2967.4	3090.4	3343.6
27.5°	3616.1	3616.1	3508.8	3327.9	3118.1	3077.1	3071.1	3182.0	3245.9	3270.1	3479.9
30°	4012.8	4008.0	3901.9	3716.2	3491.9	3449.7	3432.8	3514.8	3560.6	3488.3	3649.9
32.5°	4415.5	4424.0	4316.7	4144.2	3944.1	3916.3	3864.5	3864.5	3901.9	3800.6	3917.5
35°	4848.4	4846.0	4761.6	4644.6	4473.4	4442.1	4356.4	4222.6	4279.3	4234.7	4287.7
37.5°	5230.6	5248.7	5207.7	5120.9	4982.2	4950.9	4809.8	4567.5	4610.9	4680.8	4727.8
40°	5618.9	5633.4	5674.4	5646.6	5471.8	5413.9	5163.1	4765.2	4813.4	5053.4	5188.4
42.5°	5999.9	6007.1	6090.3	6136.2	5902.2	5801.0	5430.8	4885.8	4936.4	5345.2	5581.5
45°	6242.3	6258.0	6395.4	6535.3	6282.1	6143.4	5663.5	5040.1	5061.8	5547.8	5872.1
47.5°	6232.6	6268.8	6526.8	6781.3	6608.8	6459.3	5943.2	5287.3	5251.1	5738.3	6063.8
50°	6038.5	6081.9	6452.1	6856.0	6844.0	6705.3	6254.3	5645.4	5532.1	5907.1	6087.9
52.5°	5635.8	5761.2	6320.7	6865.7	7033.3	6963.3	6639.0	6127.7	5911.9	6149.4	6126.5
55°	4765.2	4919.5	5921.5	6783.7	7204.5	7212.9	7042.9	6630.5	6324.3	6566.6	6364.1
57.5°	3617.3	3740.3	4557.8	6038.5	6921.1	7059.8	7199.7	6895.8	6578.7	6851.2	6419.5
60°	2180.0	2322.3	2854.1	4431.2	5590.0	5826.3	6374.9	6315.8	5933.6	6050.6	5264.4
62.5°	883.8	958.6	1317.9	2441.7	3518.4	3739.1	4264.8	4354.0	4260.0	4140.6	3192.9
65°	323.1	353.3	528.1	1009.2	1618.1	1698.9	1976.3	2134.2	2264.4	1928.0	1187.7
67.5°	200.2	219.5	343.6	518.5	588.4	547.4	557.1	664.4	634.2	391.9	212.2
70°	148.3	164.0	268.9	359.3	237.5	183.3	124.2	132.6	119.4	104.9	103.7
72.5°	102.5	117.0	201.4	212.2	91.6	65.1	45.8	63.9	72.3	71.1	73.6
75°	67.5	78.4	126.6	83.2	22.9	18.1	15.7	33.8	43.4	43.4	44.6
77.5°	39.8	45.8	44.6	16.9	4.8	4.8	3.6	6.0	9.6	10.9	13.3
80°	4.8	3.6	2.4	2.4	2.4	2.4	2.4	2.4	3.6	3.6	3.6
82.5°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4	3.6	3.6
85°	0.0	0.0	1.2	1.2	2.4	2.4	2.4	2.4	2.4	3.6	3.6
87.5°	0.0	0.0	1.2	1.2	2.4	2.4	2.4	2.4	2.4	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

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REPORT NUMBER: P641965
CATALOG NUMBER: GWS-SA6B-830-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7	2529.7
2.5°	2553.8	2545.4	2580.3	2605.7	2626.2	2635.8	2622.6	2621.3	2621.3	2594.8	2587.6
5°	2584.0	2587.6	2637.0	2658.7	2662.3	2650.3	2620.1	2599.6	2587.6	2559.9	2544.2
7.5°	2641.8	2653.9	2700.9	2697.3	2664.8	2609.3	2529.7	2468.2	2428.4	2385.0	2358.5
10°	2725.0	2748.0	2776.9	2726.2	2622.6	2481.5	2317.5	2200.5	2130.6	2081.2	2051.0
12.5°	2826.3	2849.2	2839.6	2720.2	2504.4	2252.4	2041.4	1872.6	1791.8	1747.2	1715.8
15°	2928.8	2943.3	2880.6	2647.9	2295.8	1957.0	1721.8	1554.2	1455.4	1419.2	1392.7
17.5°	3033.7	3030.1	2887.8	2505.6	2017.3	1624.2	1392.7	1278.1	1250.4	1244.4	1241.9
20°	3143.4	3110.9	2858.9	2301.8	1682.1	1295.0	1163.6	1170.8	1221.4	1245.6	1250.4
22.5°	3268.8	3186.9	2786.5	2025.7	1339.6	1079.2	1092.4	1163.6	1232.3	1264.9	1269.7
25°	3402.7	3256.8	2666.0	1671.2	1056.3	992.3	1070.7	1152.7	1226.3	1266.1	1270.9
27.5°	3490.7	3273.7	2468.2	1314.3	906.7	958.6	1041.8	1120.2	1196.1	1239.5	1245.6
30°	3586.0	3266.4	2199.3	1012.8	856.1	929.6	1002.0	1073.1	1143.1	1191.3	1196.1
32.5°	3725.8	3261.6	1871.4	822.3	835.6	906.7	959.8	1018.9	1067.1	1094.8	1091.2
35°	3909.1	3255.6	1489.1	741.5	823.5	888.7	930.9	958.6	905.5	888.7	892.3
37.5°	4144.2	3270.1	1167.2	707.8	819.9	883.8	920.0	840.4	758.4	727.1	722.3
40°	4404.7	3307.4	889.9	694.5	832.0	895.9	879.0	747.6	646.3	584.8	571.5
42.5°	4666.3	3348.4	704.2	689.7	852.5	929.6	811.5	680.1	528.1	493.2	488.3
45°	4860.5	3341.2	608.9	681.3	870.6	948.9	793.4	583.6	471.5	455.8	457.0
47.5°	4958.1	3261.6	557.1	662.0	877.8	929.6	748.8	543.8	432.9	449.8	464.2
50°	4906.3	3055.4	508.8	624.6	862.1	904.3	677.6	513.7	413.6	483.5	516.1
52.5°	4843.6	2802.2	455.8	566.7	824.7	869.4	649.9	505.2	401.5	466.6	490.7
55°	*4926.8*	*2641.8*	*369.0*	*477.5*	*751.2*	*787.4*	*628.2*	*504.0*	*373.8*	*362.9*	*359.3*
57.5°	4809.8	2322.3	264.1	343.6	576.4	623.4	612.5	495.6	331.6	330.4	335.2
60°	3717.4	1416.8	180.9	218.2	353.3	397.9	555.9	473.9	285.8	262.9	264.1
62.5°	2112.5	602.9	124.2	135.0	180.9	214.6	424.4	430.5	264.1	250.8	264.1
65°	735.5	215.8	96.5	90.4	100.1	114.5	243.6	332.8	239.9	217.0	219.5
67.5°	151.9	107.3	85.6	74.8	74.8	74.8	124.2	207.4	197.7	172.4	174.8
70°	96.5	91.6	74.8	63.9	61.5	56.7	71.1	114.5	136.3	125.4	126.6
72.5°	71.1	69.9	59.1	51.8	45.8	41.0	44.6	56.7	69.9	72.3	73.6
75°	43.4	44.6	38.6	32.6	28.9	25.3	26.5	26.5	26.5	24.1	26.5
77.5°	13.3	14.5	12.1	9.6	8.4	8.4	8.4	7.2	6.0	3.6	3.6
80°	3.6	3.6	3.6	3.6	3.6	2.4	2.4	1.2	1.2	0.0	0.0
82.5°	3.6	3.6	3.6	3.6	2.4	2.4	1.2	1.2	0.0	0.0	0.0
85°	3.6	3.6	3.6	3.6	2.4	2.4	1.2	1.2	0.0	0.0	0.0
87.5°	3.6	3.6	3.6	3.6	2.4	2.4	1.2	1.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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

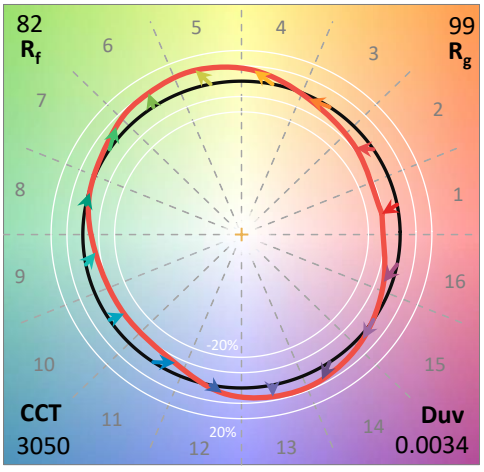
Test Information

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

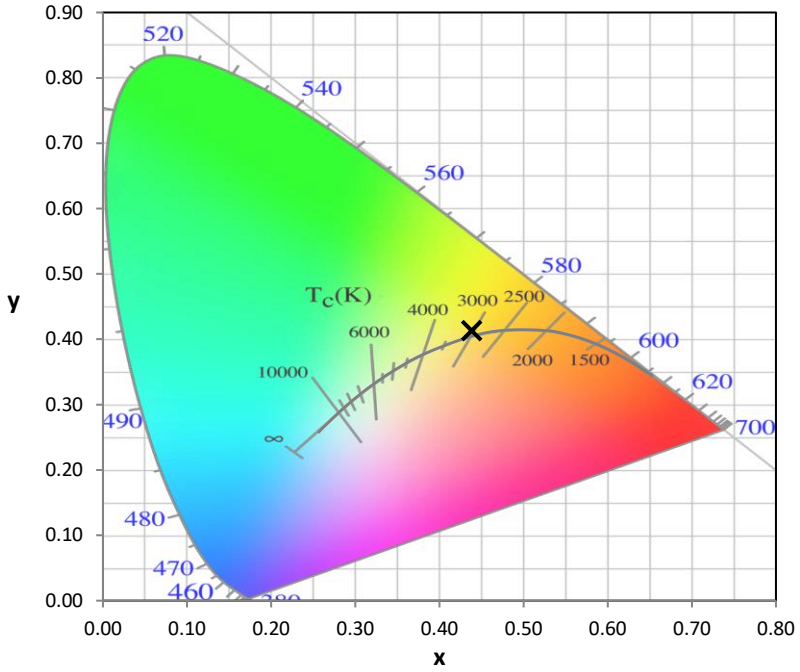
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

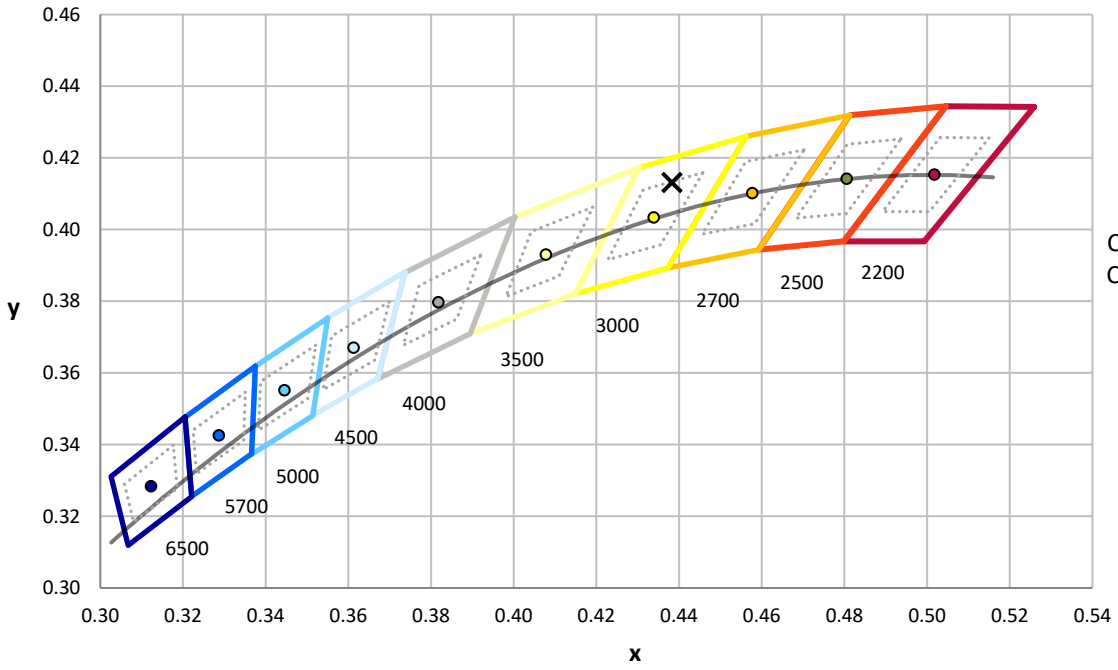
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

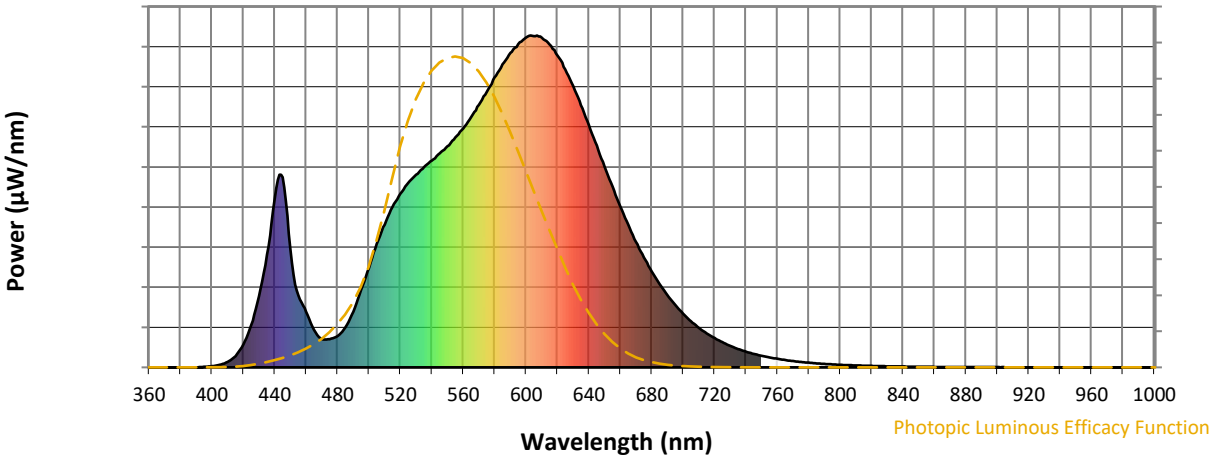


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

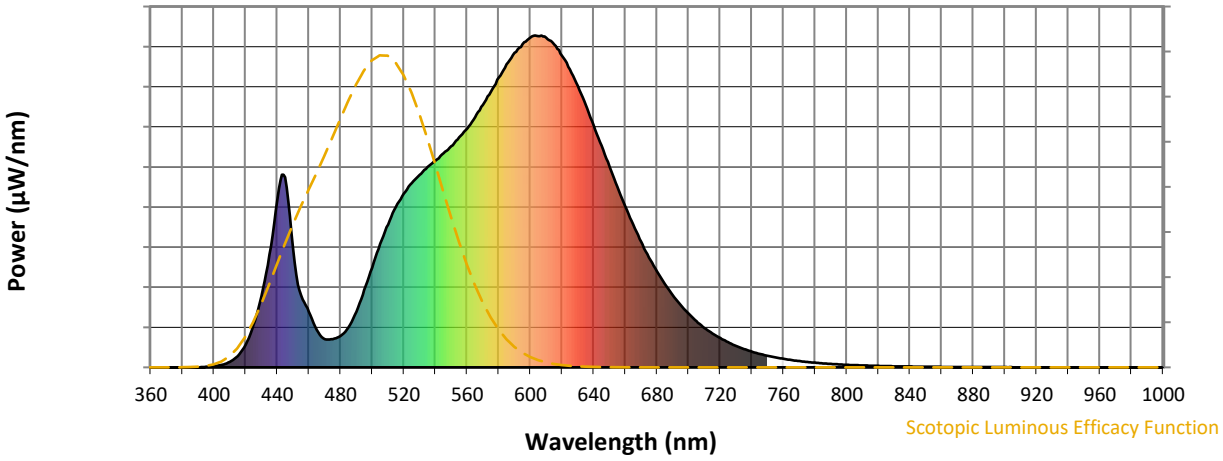


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

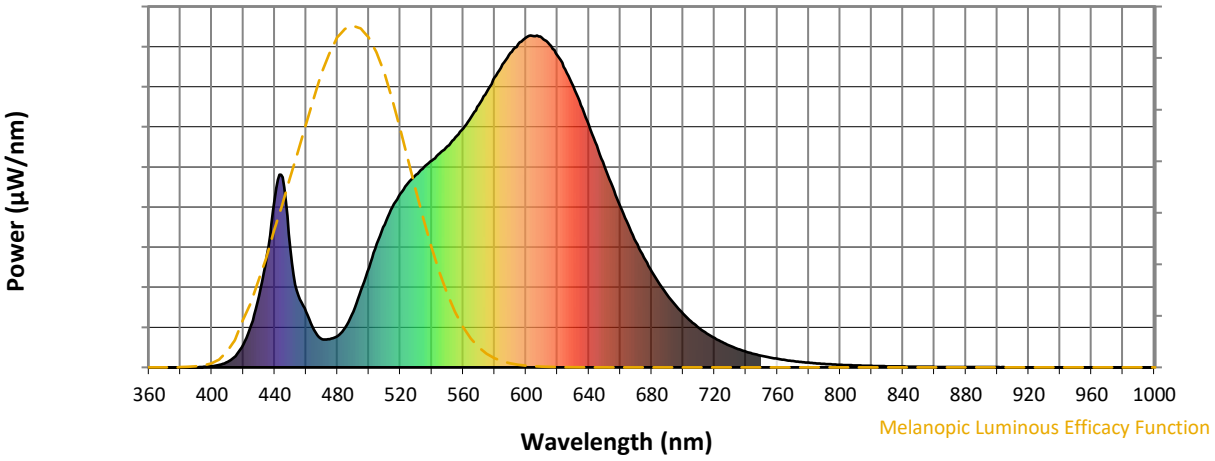


Scotopic Lumens: NR **S/P: 1.27**

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			

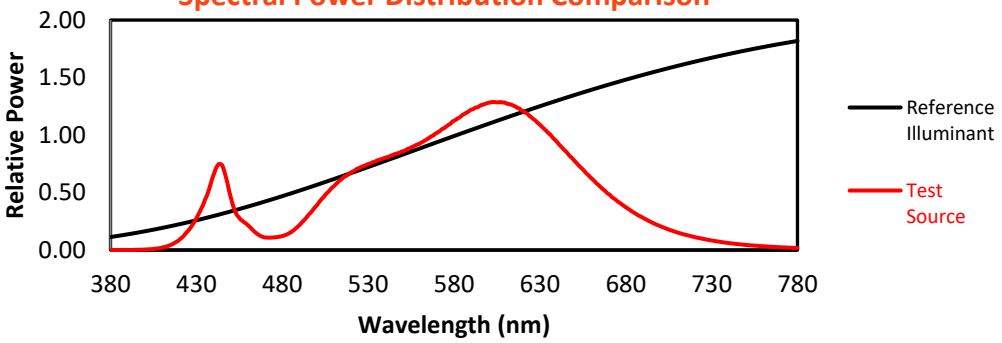
REPORT NUMBER: SP1-2408-195-9

TM-30-18

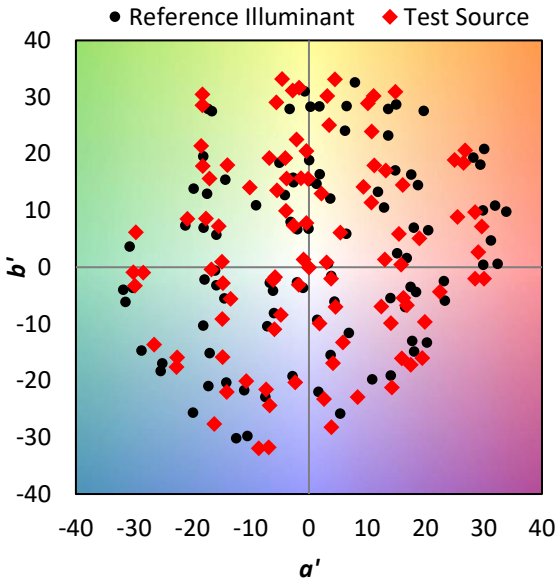
Summary

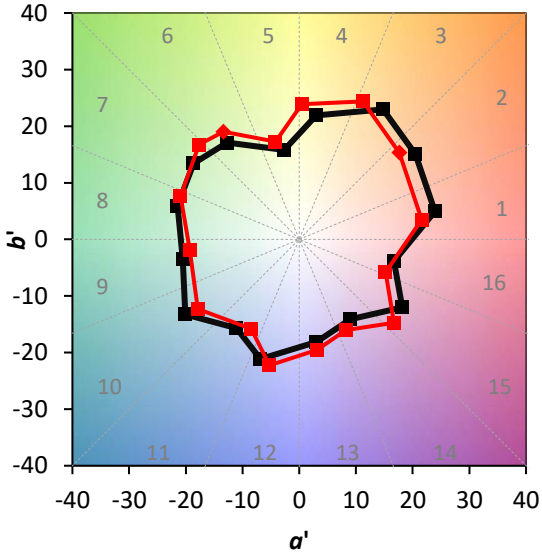
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

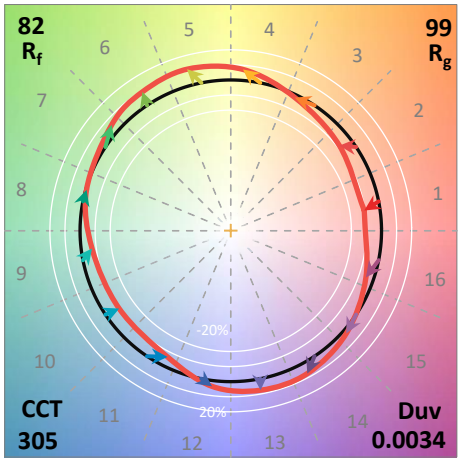
Spectral Power Distribution Comparison

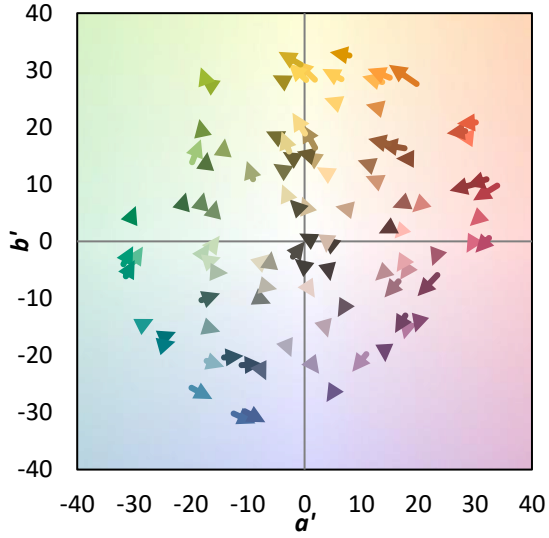


Color Vector Graphics







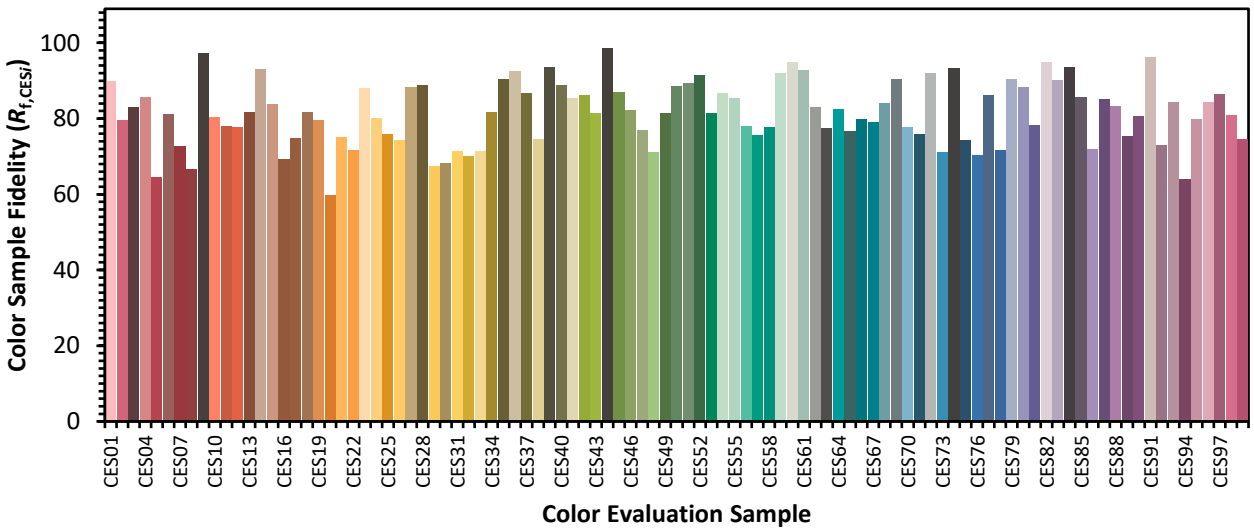


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

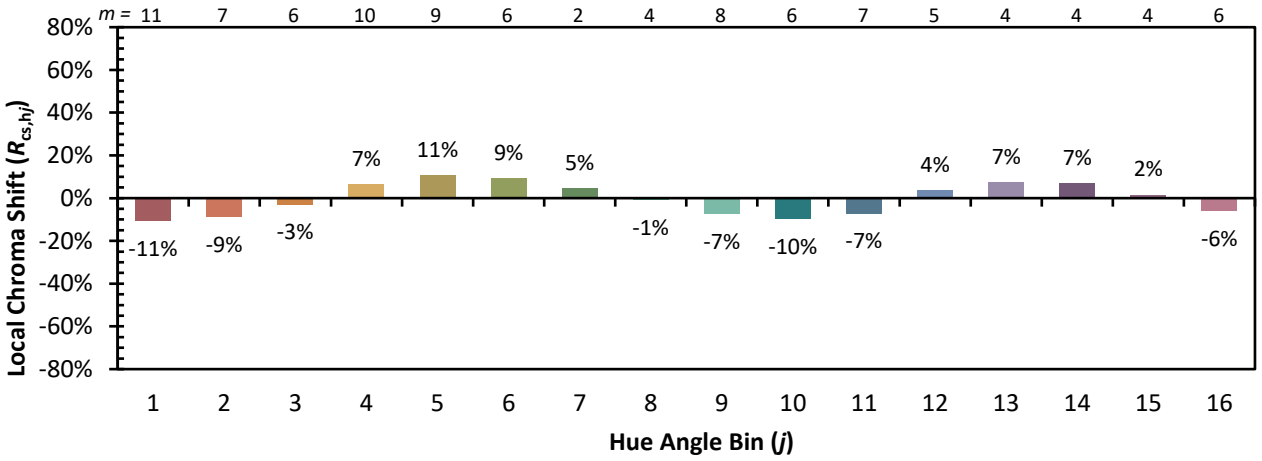
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

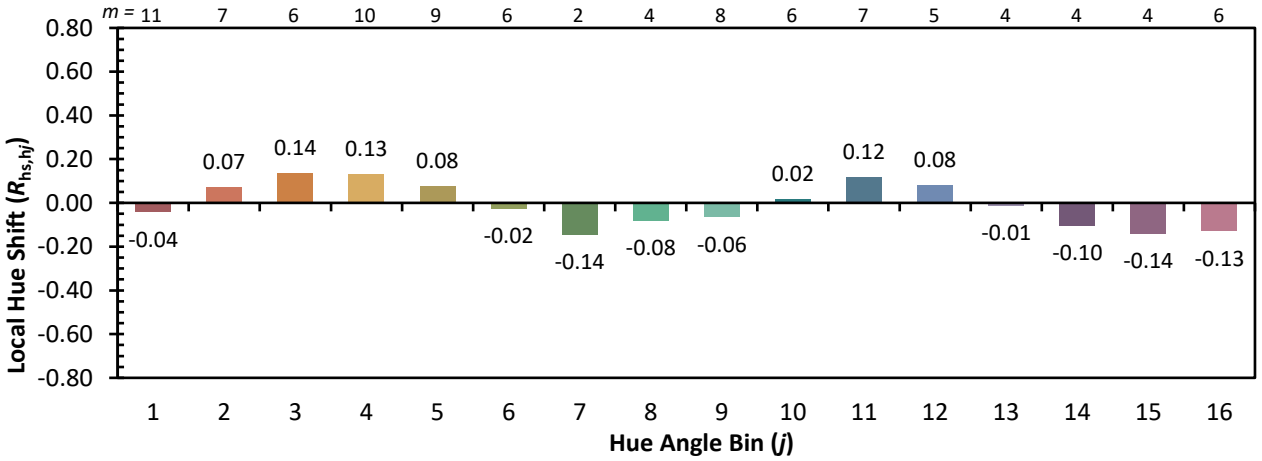


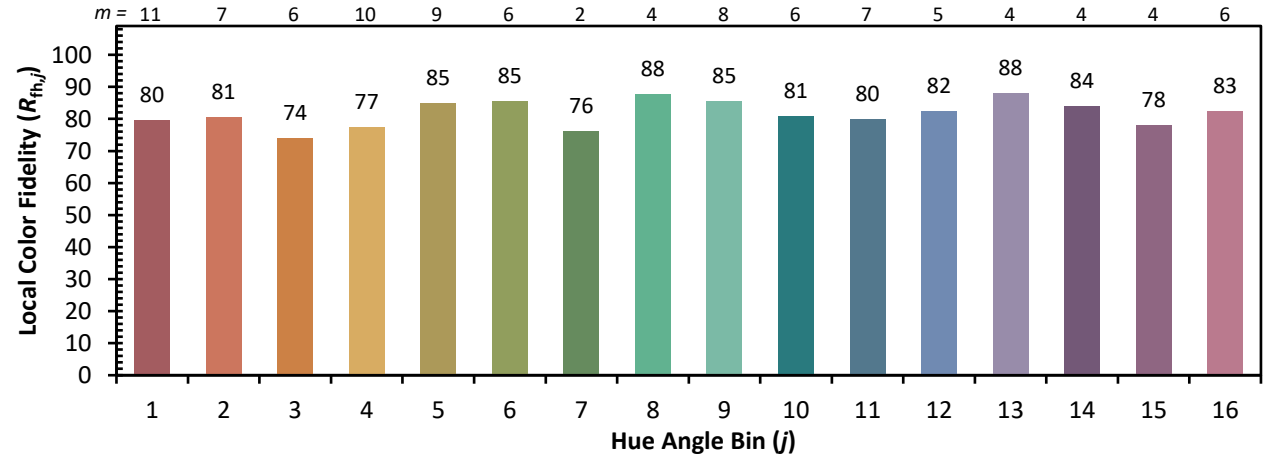
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



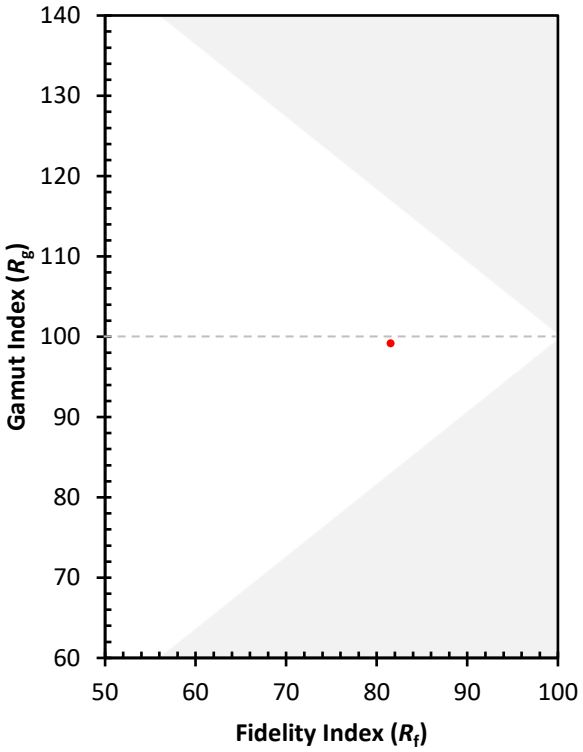


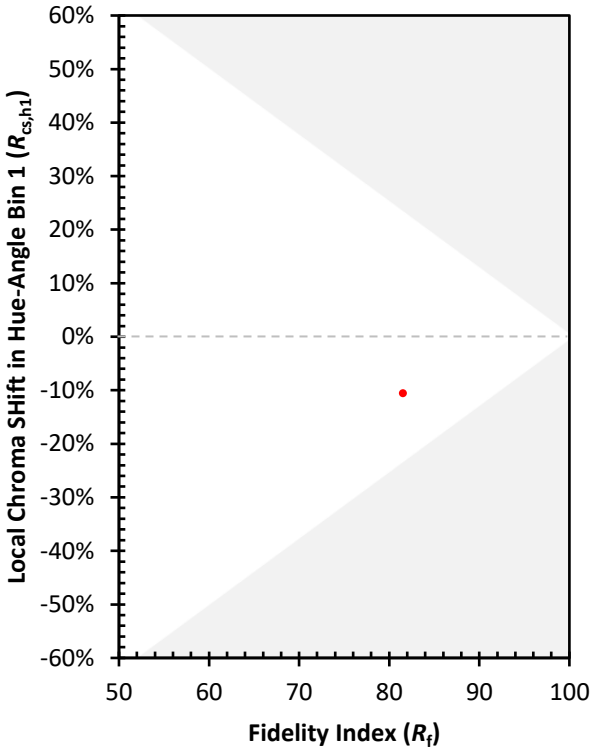


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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