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: P641934

Luminaire Tested: GWS-SA6B-830-U-SL2-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:	P641934
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-SL2-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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:	9876.1 lumens
Efficiency:	N/A
Efficacy:	71.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G1

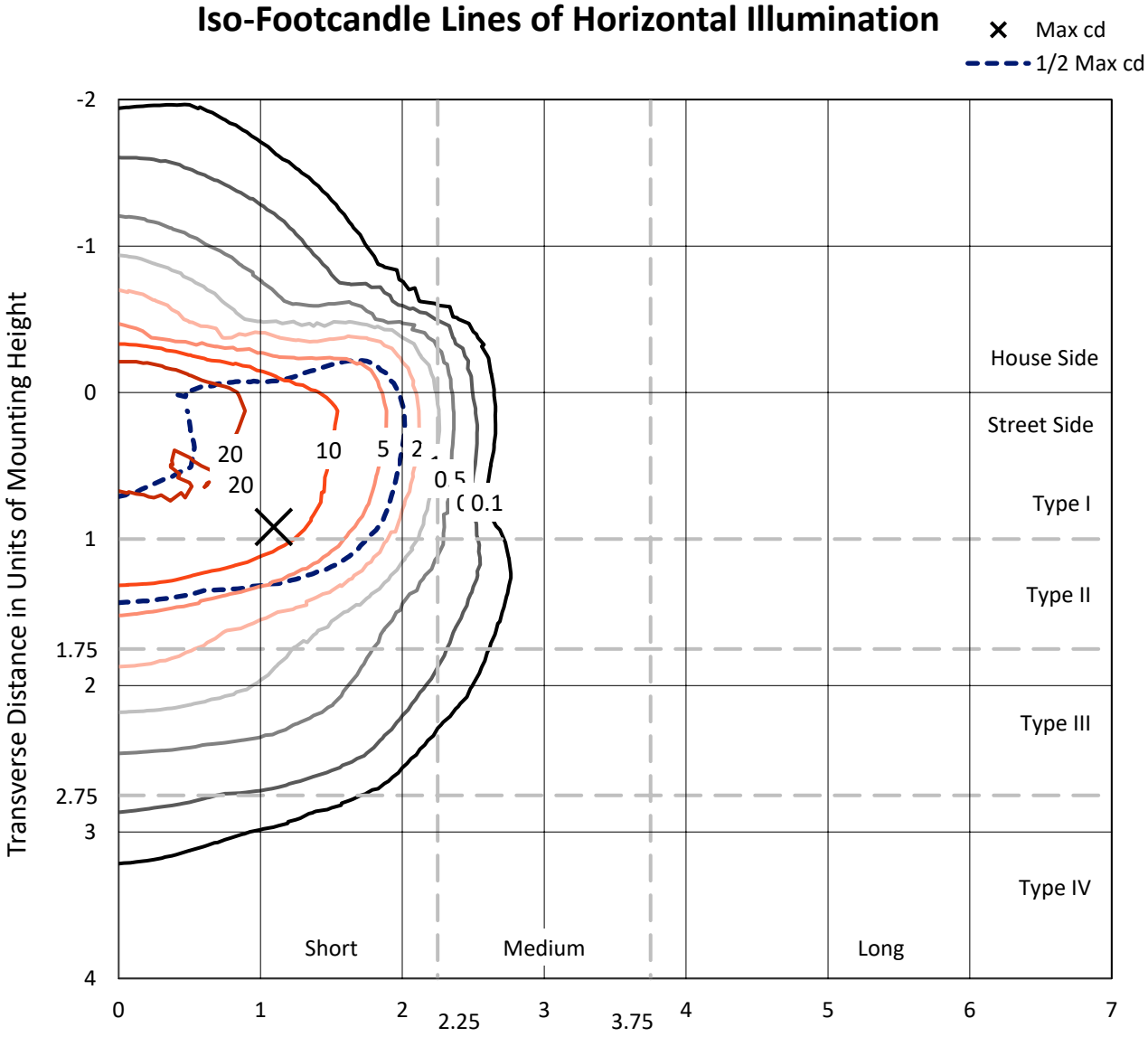
Input Watts (W):	138.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P641934
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



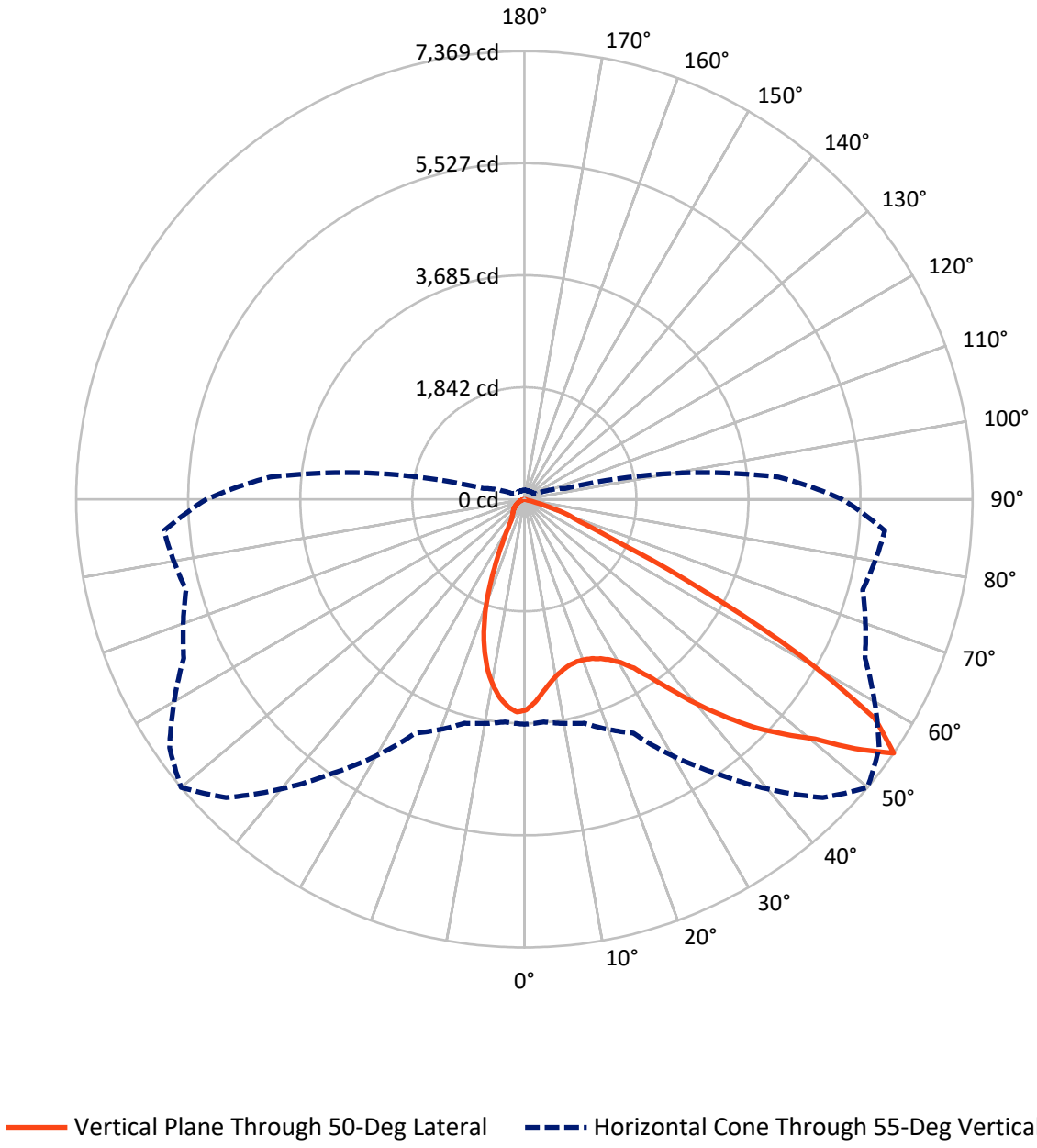
Based on 10 foot mounting height. Maximum calculated value = 34.7 fc
Type II - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P641934
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



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

Scaled Data Report

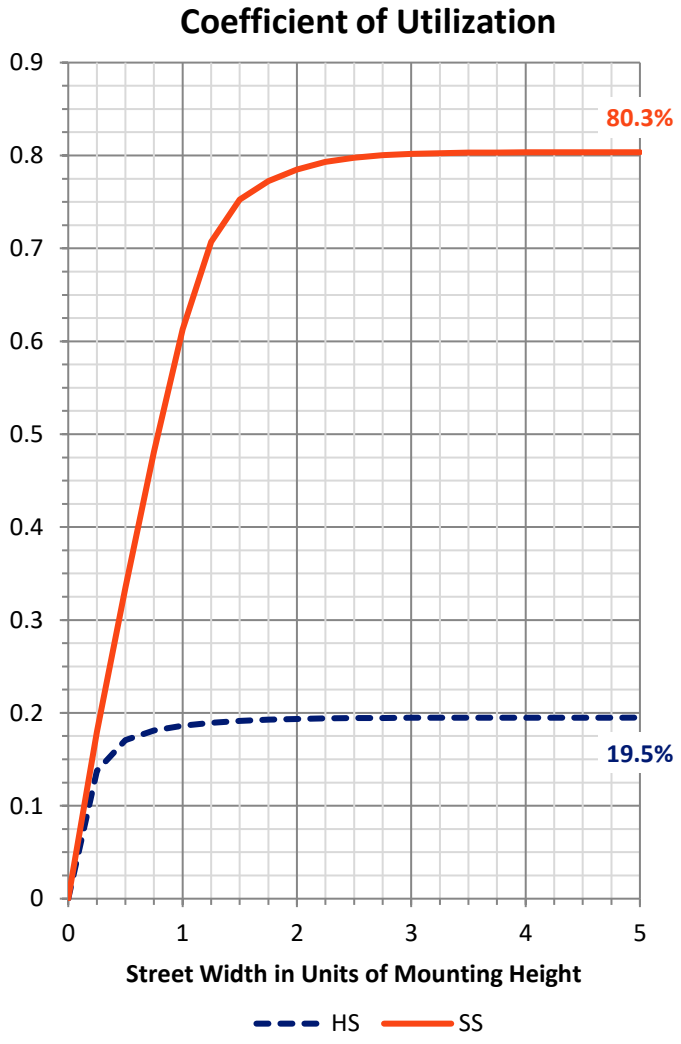
REPORT NUMBER: P641934
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1946.1	0.0	1946.1
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	7930.0	0.0	7930.0
	% Fixture	80.3	0.0	80.3
Total	Lumens	9876.1	0.0	9876.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.3	3.1
10°-20°	748.8	7.6
20°-30°	1056.3	10.7
30°-40°	1563.1	15.8
40°-50°	2255.0	22.8
50°-60°	2660.0	26.9
60°-70°	1186.6	12.0
70°-80°	102.0	1.0
80°-90°	0.0	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°	9876.1	100.0
0°-180°	9876.1	100.0



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

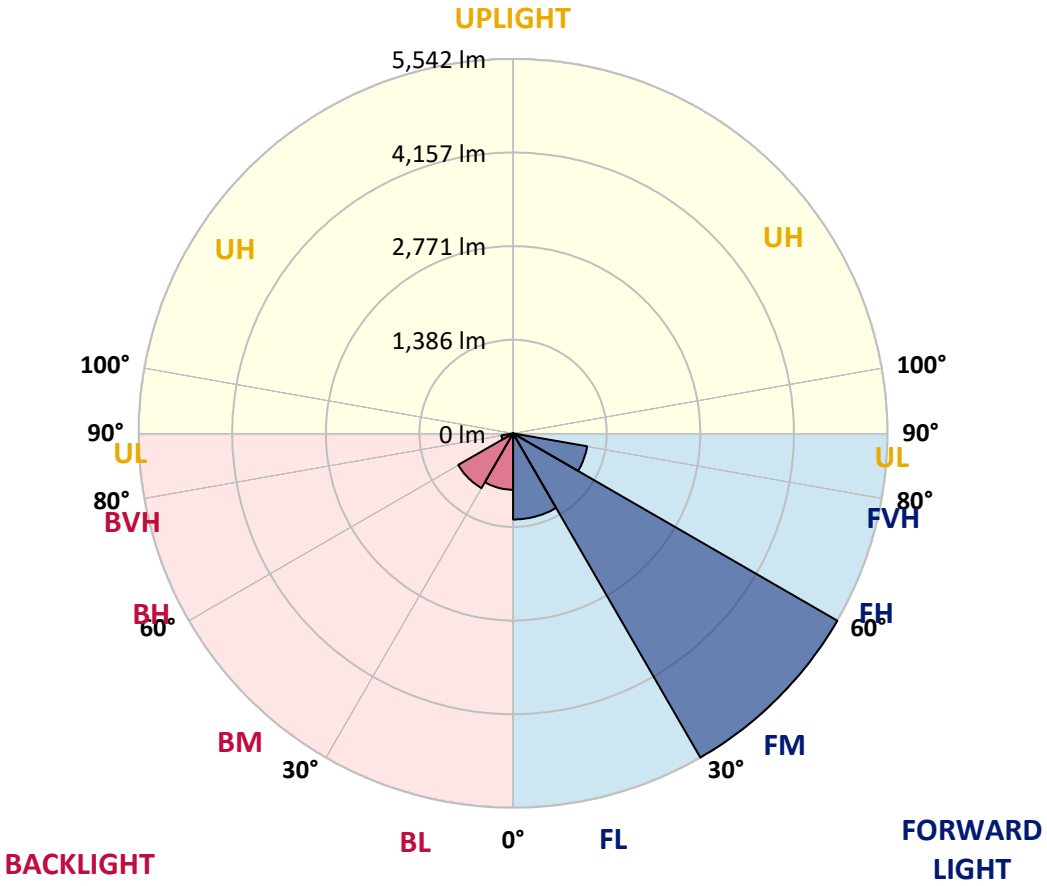
Scaled Data Report

REPORT NUMBER: P641934
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1275.0	12.9			
FM	(30°-60°)	5542.1	56.1			
FH	(60°-80°)	1112.9	11.3			G1/1800
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	834.4	8.4	B2/1000		
BM	(30°-60°)	935.9	9.5	B1/1000		
BH	(60°-80°)	175.7	1.8	B1/500		G1/500
BVH	(80°-90°)	0.0	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



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

Scaled Data Report

REPORT NUMBER: P641934
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	*3465.1*	3465.1	3465.1	3465.1	3465.1
2.5°	3219.1	3221.5	3222.7	3255.3	3267.4	3315.6	*3340.9*	3354.2	3389.1	3430.1	3463.9
5°	3003.3	2999.7	3005.7	3046.7	3073.2	3144.4	*3183.0*	3209.5	3286.6	3383.1	3463.9
7.5°	2815.2	2822.5	2829.7	2874.3	2914.1	2991.3	*3046.7*	3086.5	3193.8	3337.3	3473.5
10°	2682.6	2682.6	2693.5	2744.1	2791.1	2886.4	*2941.8*	2992.5	3120.3	3296.3	3484.4
12.5°	2584.9	2586.2	2599.4	2657.3	2711.5	2810.4	*2868.3*	2917.7	3058.8	3255.3	3486.8
15°	2539.1	2535.5	2546.4	2607.9	2668.1	2761.0	*2821.3*	2869.5	3015.4	3232.4	3498.8
17.5°	2527.1	2524.7	2533.1	2593.4	2654.9	2745.3	*2804.4*	2852.6	3009.3	3239.6	3535.0
20°	2562.0	2557.2	2553.6	2605.4	2663.3	2752.5	*2814.0*	2868.3	3038.3	3279.4	3590.5
22.5°	2645.2	2645.2	2636.8	2662.1	2700.7	2781.5	*2845.4*	2916.5	3114.2	3359.0	3672.5
25°	2798.4	2786.3	2770.6	2781.5	2776.6	2827.3	*2903.2*	3002.1	3257.7	3490.4	3772.5
27.5°	2973.2	2984.0	2957.5	2958.7	2916.5	2898.4	*2986.4*	3135.9	3471.1	3676.1	3920.8
30°	3210.7	3202.2	3203.5	3199.8	3102.2	3016.6	*3111.8*	3310.8	3740.0	3959.4	4113.7
32.5°	3396.4	3408.4	3448.2	3471.1	3343.3	3205.9	*3307.1*	3548.3	4046.2	4282.5	4350.0
35°	3592.9	3614.6	3695.4	3770.1	3662.8	3504.9	*3613.4*	3863.0	4334.4	4602.0	4621.3
37.5°	3800.3	3843.7	3940.1	4071.5	4054.7	3914.8	*4013.7*	4233.1	4561.0	4794.9	4845.6
40°	4037.8	4080.0	4237.9	4427.2	4467.0	4435.6	*4468.2*	4596.0	4710.5	4803.4	4942.0
42.5°	4298.2	4356.1	4556.2	4809.4	4958.9	4986.6	*4910.7*	4897.4	4775.6	4706.9	4921.5
45°	4605.6	4673.2	4899.8	5227.8	5465.3	5502.7	*5371.2*	5201.2	4816.6	4635.8	4860.0
47.5°	4950.5	5014.4	5239.8	5634.1	5987.3	6001.8	*5772.7*	5499.0	4938.4	4717.8	4907.1
50°	5066.2	5106.0	5301.3	5764.3	6415.4	6526.3	*6194.7*	5834.2	5183.2	4958.9	5136.1
52.5°	4668.3	4684.0	4854.0	5321.8	6328.5	7041.1	*6810.8*	6334.6	5618.4	5326.6	5489.4
55°	*3699.0*	*3673.7*	*3811.1*	*4240.3*	*5500.2*	*6936.2*	*7369.0*	*7120.7*	*6179.0*	*5758.3*	*5948.8*
57.5°	2587.4	2557.2	2525.9	2816.4	4104.1	5880.0	*6790.3*	7230.4	6713.2	6186.3	6444.3
60°	2126.8	2097.9	1945.9	1812.1	2481.3	4222.2	*5215.7*	6044.0	6669.7	6164.6	6428.6
62.5°	1837.4	1820.6	1759.1	1577.0	1460.1	2410.1	*3266.2*	4059.5	5118.1	4840.8	4855.2
65°	1443.2	1438.4	1480.6	1499.8	1291.3	1333.5	*1666.2*	2109.9	2767.0	2609.1	2474.0
67.5°	986.2	975.4	1055.0	1297.3	1241.8	1052.5	*975.4*	983.8	1197.2	731.8	581.1
70°	626.9	601.6	602.8	804.2	1010.3	830.7	*752.3*	661.9	595.6	108.5	123.0
72.5°	401.5	385.8	331.6	362.9	467.8	405.1	*408.7*	352.1	235.1	57.9	67.5
75°	168.8	155.5	119.4	95.2	94.0	59.1	*51.8*	48.2	32.6	32.6	35.0
77.5°	1.2	0.0	0.0	1.2	2.4	1.2	*1.2*	2.4	4.8	7.2	8.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	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

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

Scaled Data Report

REPORT NUMBER: P641934
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1
2.5°	3484.4	3455.4	3488.0	3500.0	3498.8	3500.0	3465.1	3441.0	3439.8	3409.6	3395.2
5°	3497.6	3474.7	3498.8	3483.2	3445.8	3398.8	3336.1	3281.8	3257.7	3222.7	3205.9
7.5°	3523.0	3498.8	3495.2	3432.5	3339.7	3240.8	3129.9	3031.0	2978.0	2914.1	2917.7
10°	3541.0	3513.3	3466.3	3338.5	3184.2	3026.2	2861.0	2714.0	2621.1	2535.5	2521.0
12.5°	3548.3	3507.3	3397.6	3204.7	2987.6	2781.5	2539.1	2329.3	2184.7	2072.5	2056.9
15°	3561.5	3495.2	3309.6	3043.1	2745.3	2453.5	2144.9	1857.9	1666.2	1537.2	1548.1
17.5°	3582.0	3482.0	3210.7	2862.3	2484.9	2072.5	1655.4	1326.2	1150.2	1075.5	1076.7
20°	3611.0	3466.3	3102.2	2663.3	2172.6	1642.1	1157.4	909.1	859.6	857.2	853.6
22.5°	3649.6	3450.6	2986.4	2445.1	1802.5	1150.2	770.4	693.3	713.8	753.5	760.8
25°	3695.4	3431.3	2857.4	2199.1	1398.6	754.7	577.5	565.5	614.9	667.9	680.0
27.5°	3766.5	3421.7	2710.3	1919.4	981.4	541.3	472.6	479.9	524.5	569.1	579.9
30°	3887.1	3439.8	2550.0	1605.9	630.6	431.6	409.9	420.8	444.9	467.8	477.4
32.5°	4051.0	3492.8	2394.5	1263.5	449.7	375.0	370.1	376.2	385.8	399.1	402.7
35°	4242.7	3584.4	2234.1	904.2	371.3	342.4	337.6	337.6	342.4	344.8	346.0
37.5°	4400.7	3680.9	2083.4	601.6	332.8	317.1	309.9	306.2	305.0	307.4	308.7
40°	4469.4	3720.7	1919.4	437.7	305.0	294.2	283.3	272.5	272.5	280.9	282.1
42.5°	4421.2	3676.1	1730.1	361.7	285.7	270.1	253.2	243.5	248.4	256.8	259.2
45°	4318.7	3566.4	1521.6	319.5	266.5	246.0	226.7	220.6	225.5	236.3	238.7
47.5°	4301.8	3494.0	1272.0	291.8	246.0	225.5	205.0	198.9	205.0	213.4	215.8
50°	4469.4	3556.7	994.7	267.7	226.7	203.8	186.9	180.8	184.5	189.3	191.7
52.5°	4775.6	3789.4	803.0	244.8	203.8	182.1	171.2	164.0	164.0	168.8	170.0
55°	*5227.8*	*4195.7*	*693.3*	*218.2*	*177.2*	*165.2*	*155.5*	*148.3*	*148.3*	*150.7*	*151.9*
57.5°	5748.6	4687.6	718.6	183.3	155.5	149.5	141.1	135.0	137.4	137.4	137.4
60°	5676.3	4651.5	769.2	154.3	137.4	135.0	127.8	125.4	131.4	126.6	124.2
62.5°	4181.3	3213.1	402.7	126.6	118.2	115.7	110.9	115.7	124.2	110.9	106.1
65°	2030.3	1555.3	161.6	103.7	100.1	97.7	95.2	102.5	107.3	86.8	82.0
67.5°	477.4	388.2	104.9	88.0	83.2	78.4	80.8	82.0	78.4	59.1	56.7
70°	124.2	121.8	82.0	73.5	66.3	61.5	61.5	60.3	51.8	37.4	35.0
72.5°	67.5	66.3	59.1	55.5	45.8	41.0	42.2	37.4	28.9	21.7	20.5
75°	33.8	36.2	33.8	31.3	25.3	22.9	22.9	20.5	14.5	8.4	8.4
77.5°	7.2	8.4	8.4	7.2	6.0	4.8	4.8	6.0	2.4	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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

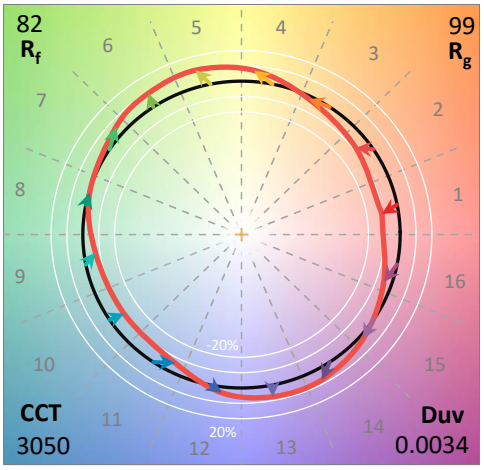
Test Information

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

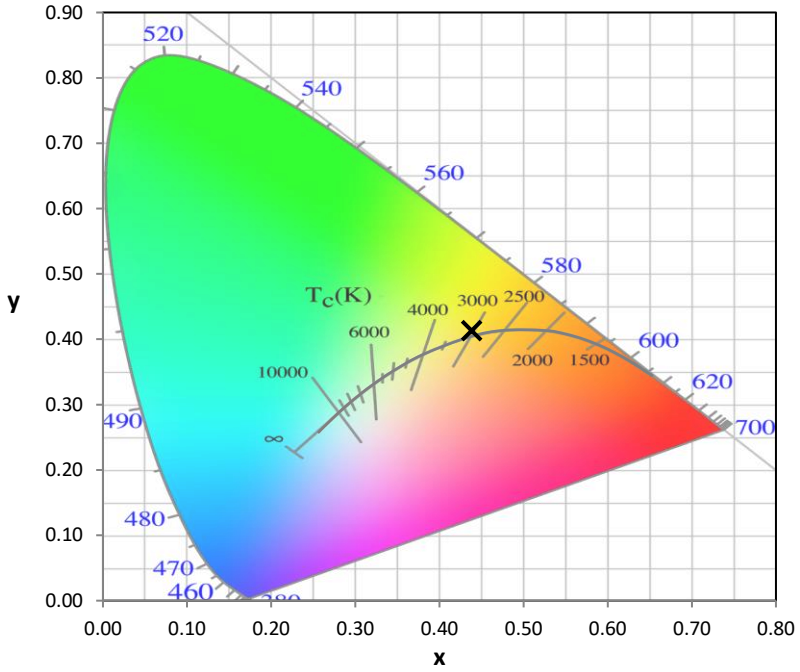
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

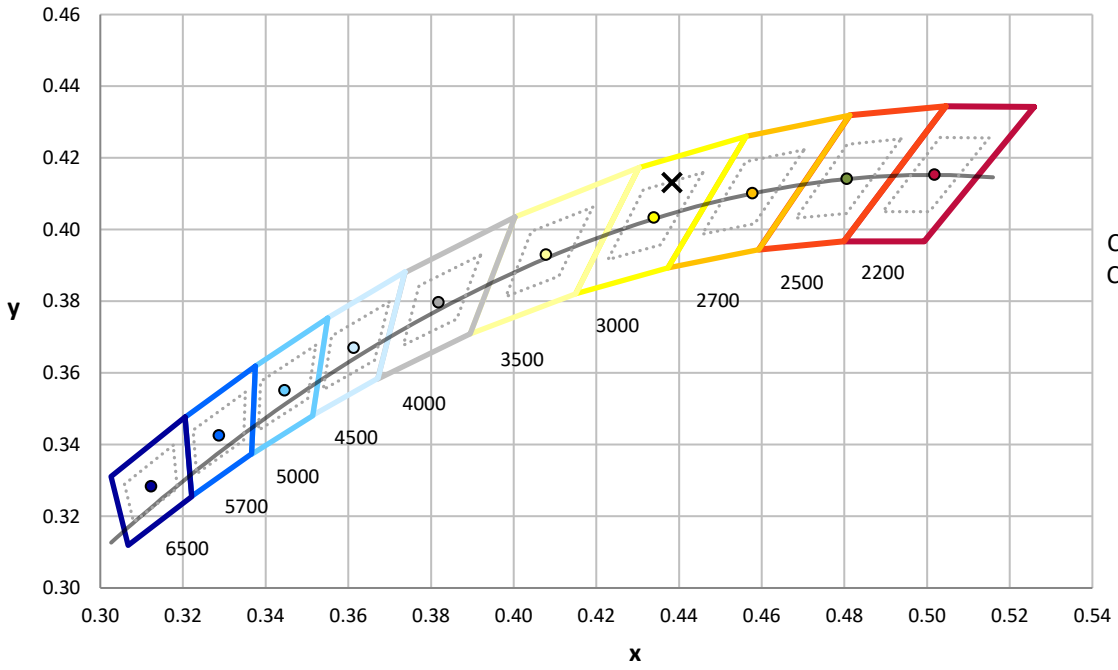
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

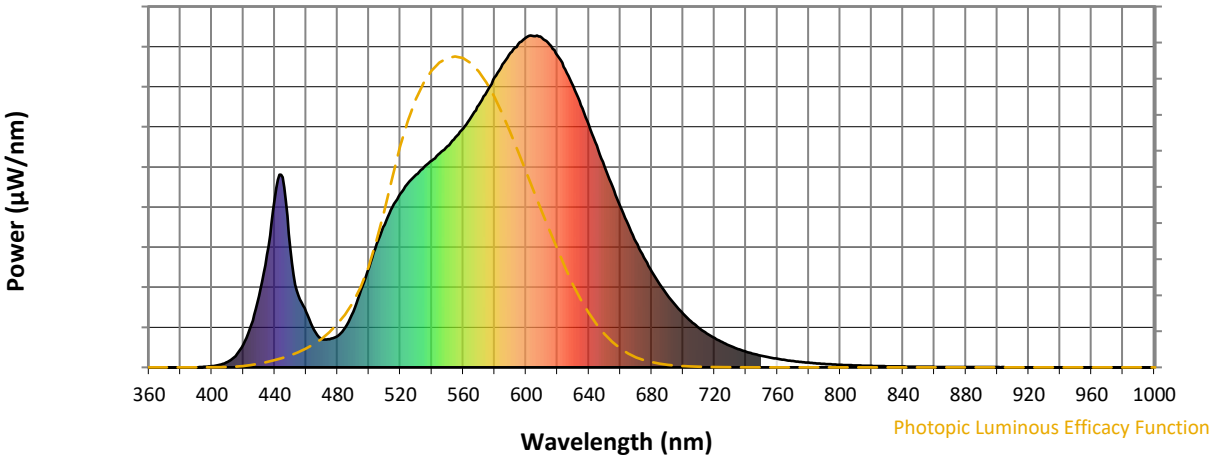


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

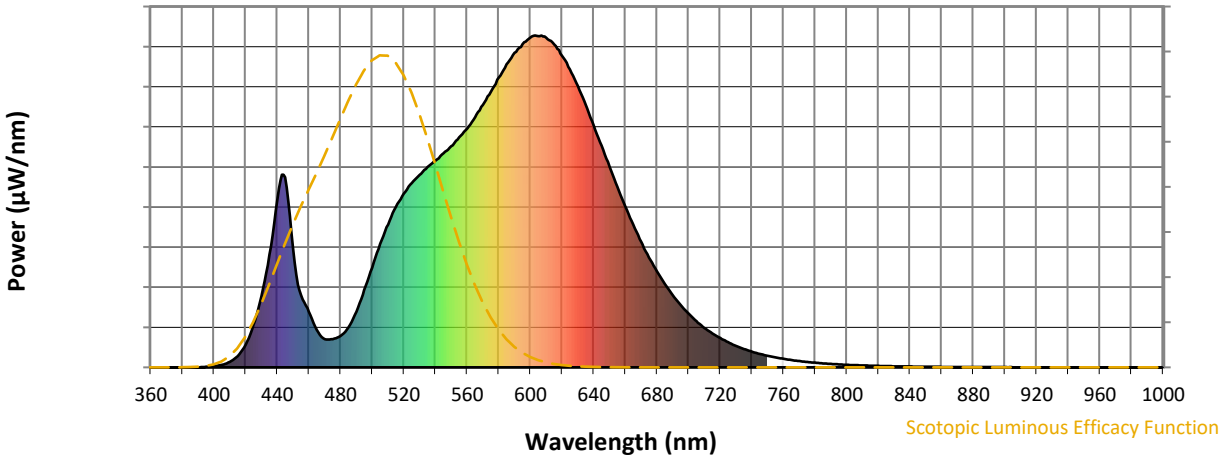


Photopic Lumens: NR

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

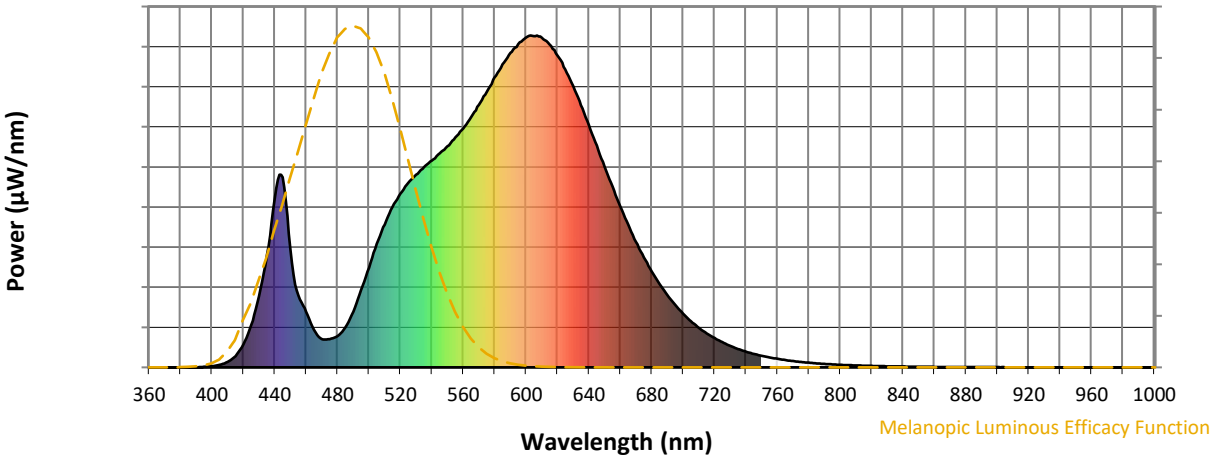


Scotopic Lumens: NR **S/P: 1.27**

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			

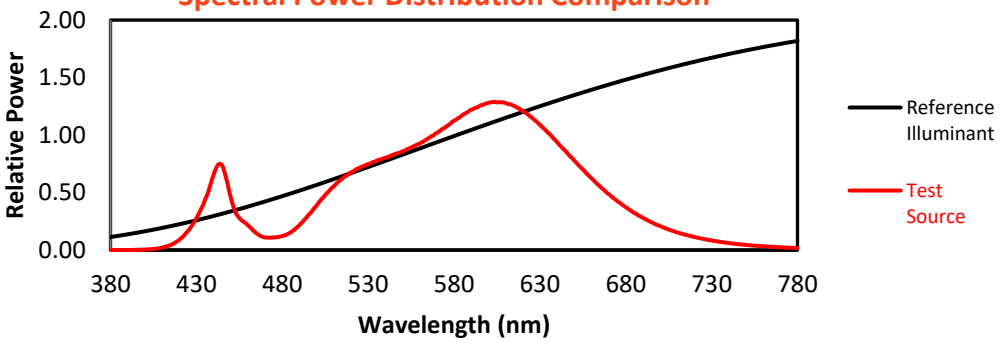
REPORT NUMBER: SP1-2408-195-9

TM-30-18

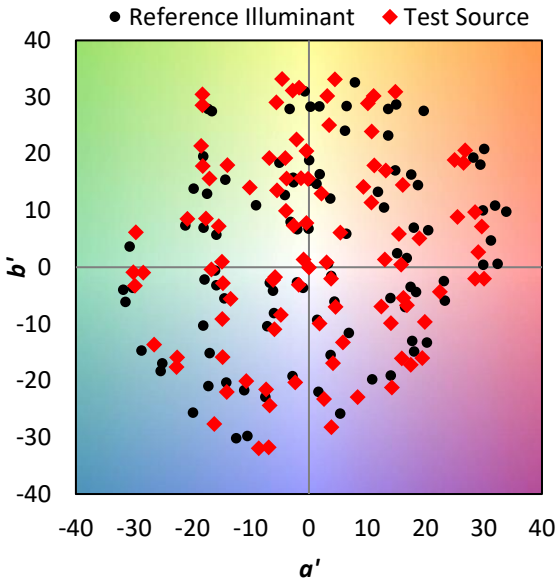
Summary

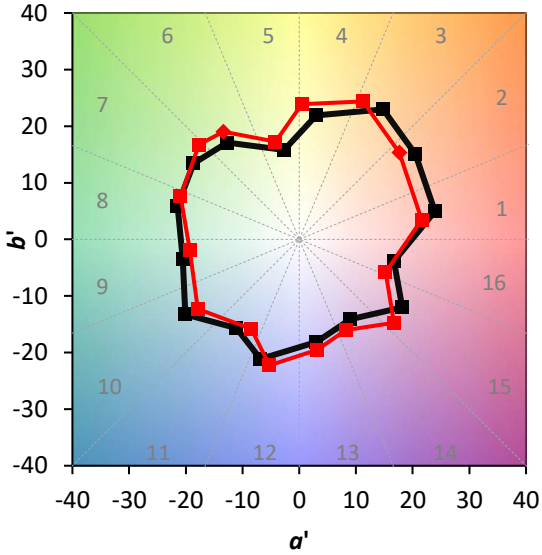
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

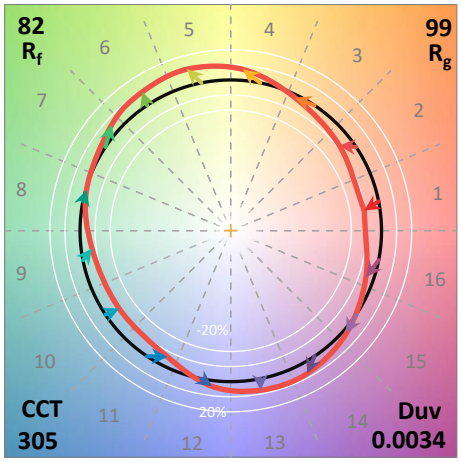
Spectral Power Distribution Comparison

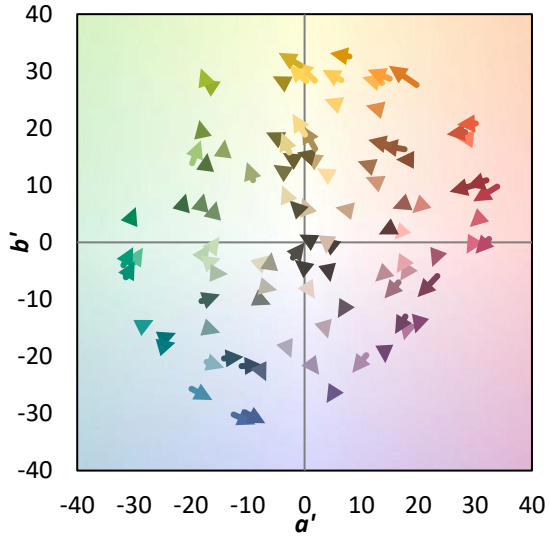


Color Vector Graphics







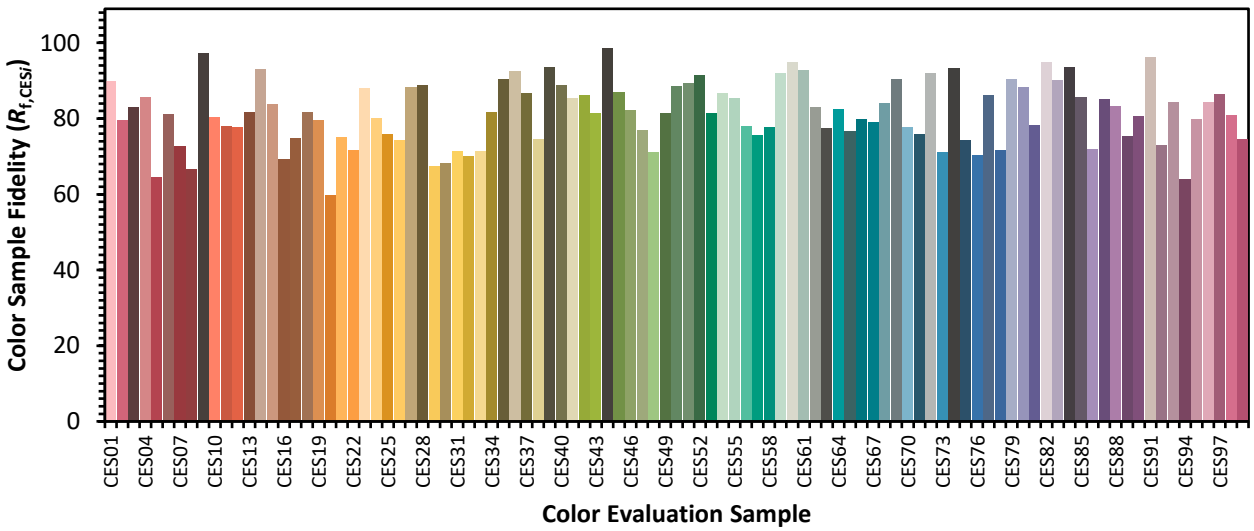


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

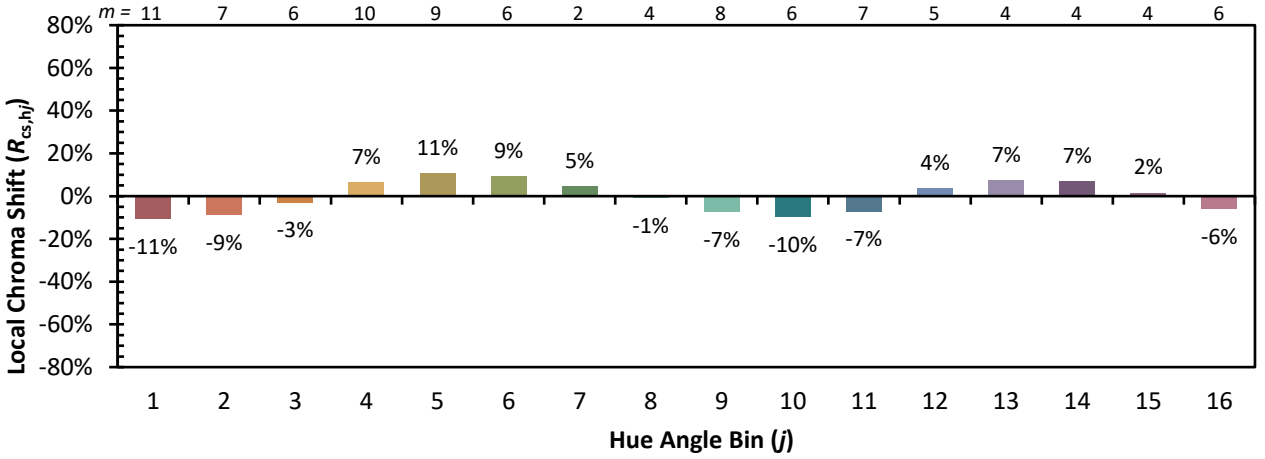
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

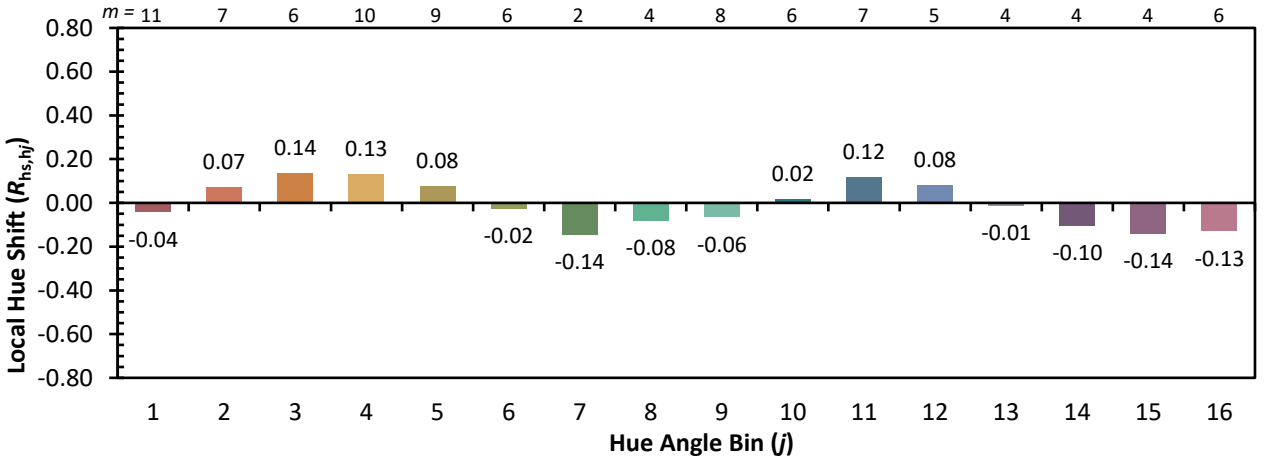


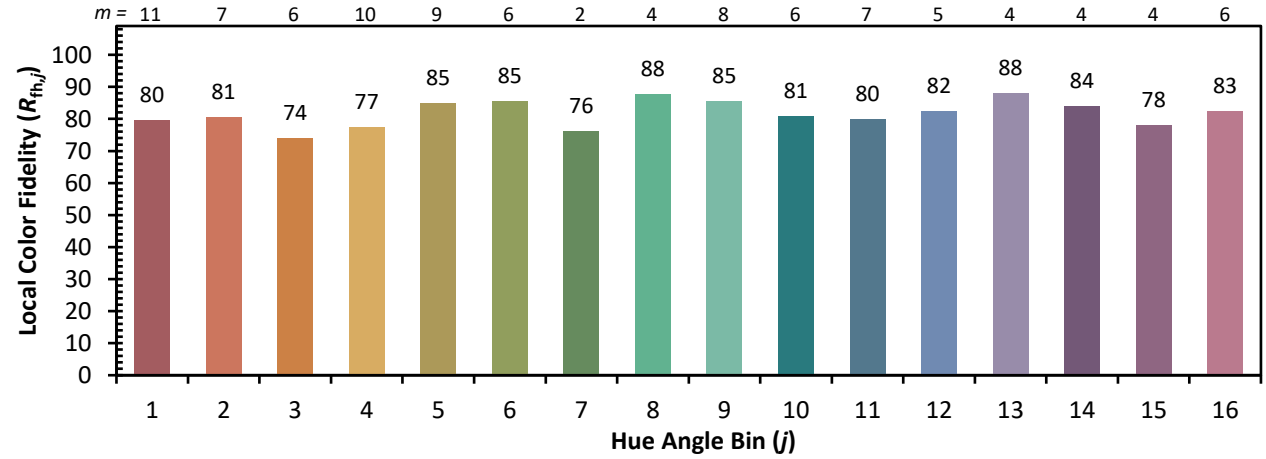
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



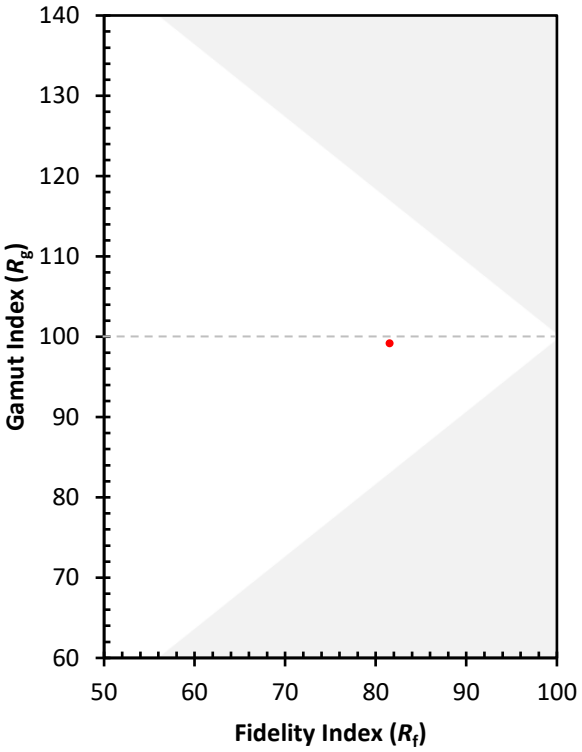


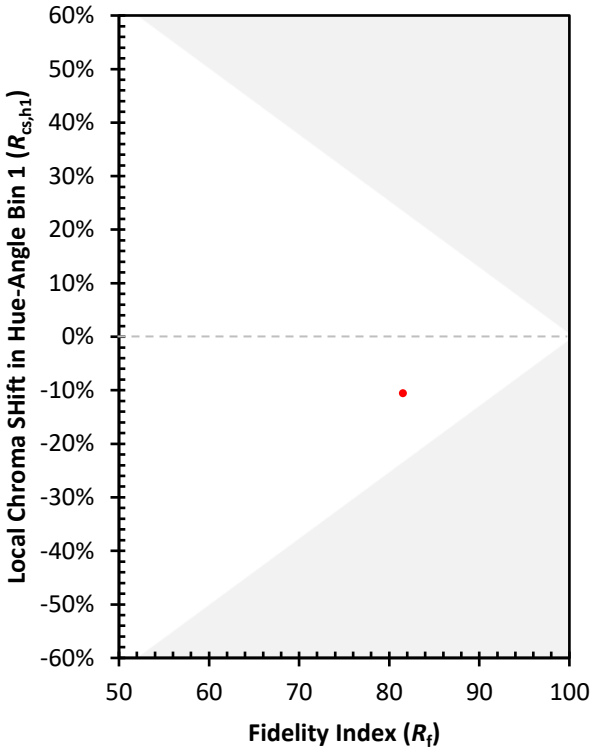


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)