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: P641936

Luminaire Tested: GWS-SA6B-830-U-SL2-W-HSS

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:	P641936
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
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-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13332.9 lumens
Efficiency:	N/A
Efficacy:	96.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - 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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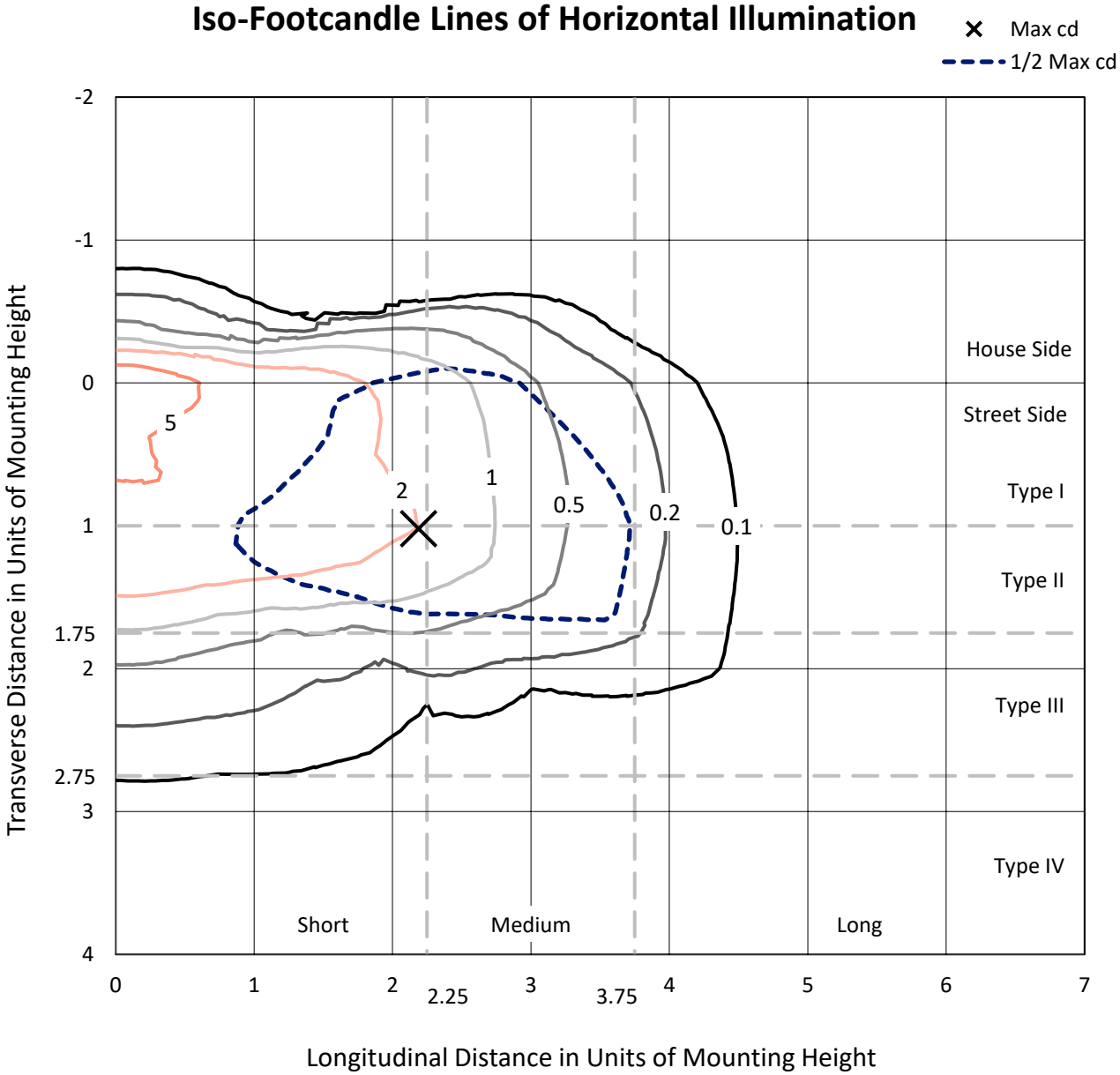
Scaled Data Report

REPORT NUMBER: P641936
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc
Type II - Short - N/A

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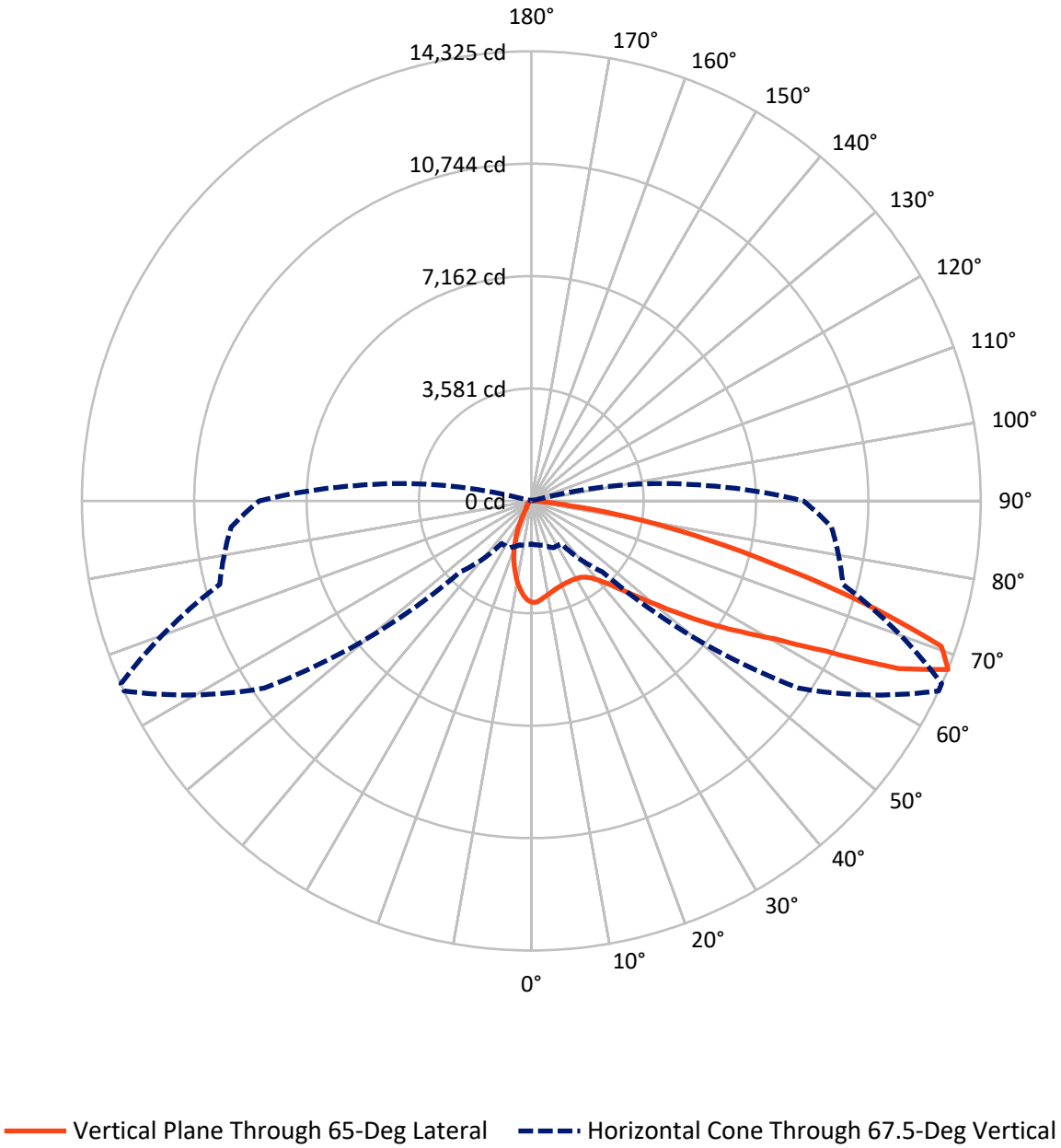
Luminous Intensity Polar Plot



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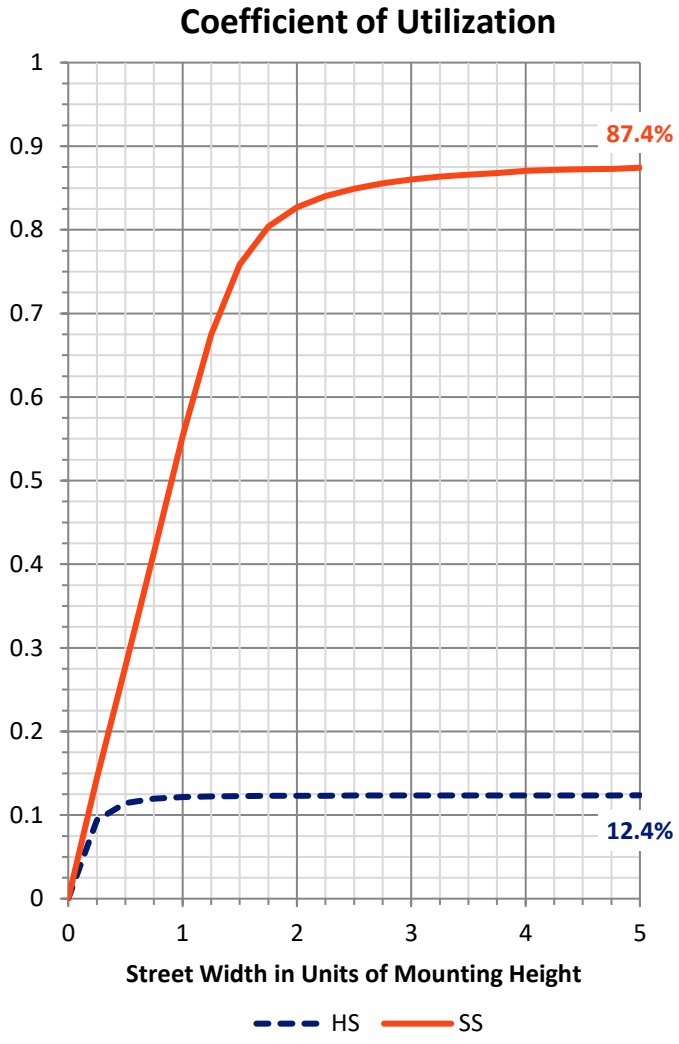
REPORT NUMBER: P641936
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1664.9	0.0	1664.9
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	11668.0	0.0	11668.0
	% Fixture	87.5	0.0	87.5
Total	Lumens	13332.9	0.0	13332.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.6	2.0
10°-20°	603.7	4.5
20°-30°	862.7	6.5
30°-40°	1255.1	9.4
40°-50°	1965.7	14.7
50°-60°	3066.6	23.0
60°-70°	3368.5	25.3
70°-80°	1792.7	13.4
80°-90°	149.2	1.1
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°	13332.9	100.0
0°-180°	13332.9	100.0



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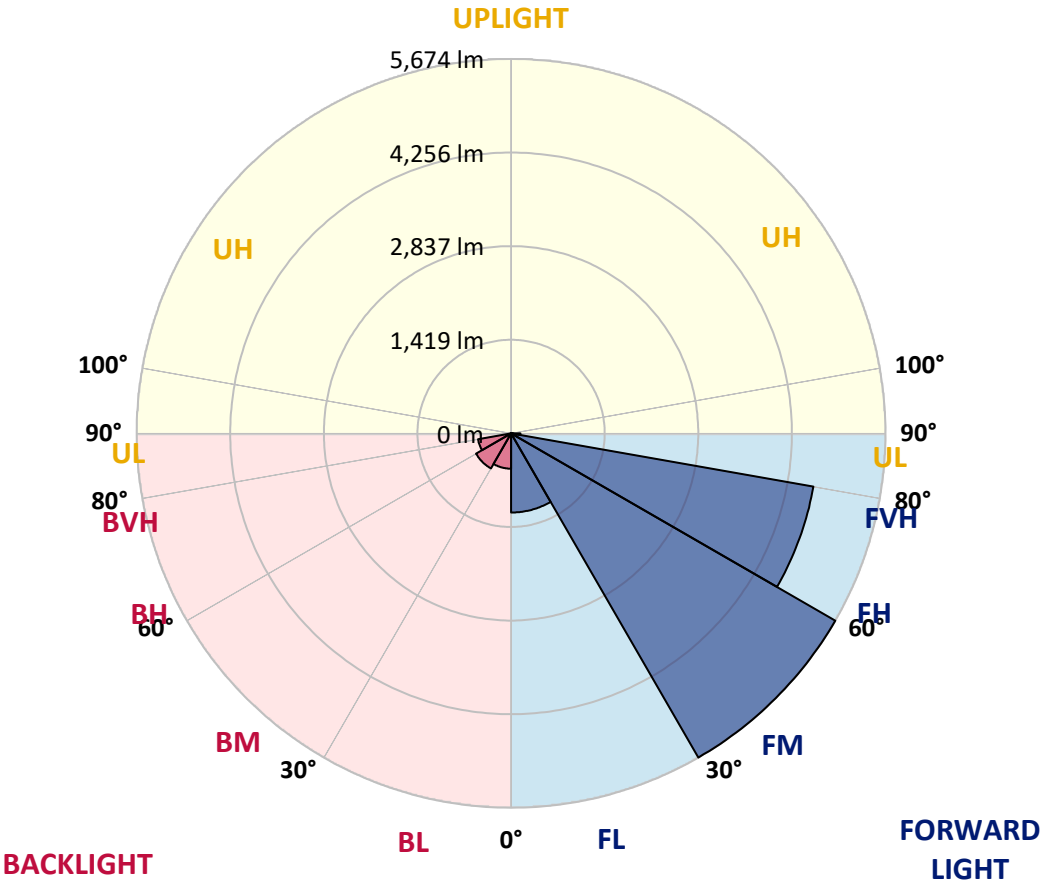
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1199.9	9.0			
FM	(30°-60°)	5674.2	42.6			
FH	(60°-80°)	4652.7	34.9			G2/5000
FVH	(80°-90°)	141.3	1.1			G2/225
BL	(0°-30°)	535.1	4.0	B2/1000		
BM	(30°-60°)	613.3	4.6	B1/1000		
BH	(60°-80°)	508.5	3.8	B2/1000		G2/1000
BVH	(80°-90°)	8.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P641936
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6
2.5°	3121.5	3131.2	3117.9	3150.5	3156.5	3192.7	3213.2	3227.6	3226.4	3244.5	3244.5
5°	2938.3	2947.9	2940.7	2975.6	3003.4	3060.0	3107.1	3161.3	3163.7	3219.2	3239.7
7.5°	2782.7	2783.9	2783.9	2827.3	2863.5	2933.4	3003.4	3086.6	3096.2	3181.8	3236.1
10°	2654.9	2658.5	2659.7	2709.2	2749.0	2833.4	2922.6	3022.7	3033.5	3149.3	3233.6
12.5°	2566.9	2568.1	2572.9	2624.8	2668.2	2756.2	2846.6	2961.2	2975.6	3111.9	3222.8
15°	2524.7	2522.3	2524.7	2568.1	2611.5	2695.9	2788.8	2911.7	2927.4	3080.5	3224.0
17.5°	2522.3	2518.7	2516.3	2548.8	2576.5	2651.3	2745.3	2879.2	2896.1	3066.1	3237.3
20°	2557.3	2554.8	2542.8	2557.3	2563.3	2624.8	2717.6	2853.9	2870.7	3063.6	3266.2
22.5°	2648.9	2642.9	2624.8	2611.5	2579.0	2615.1	2698.3	2835.8	2855.1	3069.7	3303.6
25°	2785.1	2782.7	2759.8	2727.3	2644.1	2629.6	2699.5	2835.8	2853.9	3076.9	3343.4
27.5°	2990.1	2975.6	2946.7	2890.0	2770.7	2686.3	2723.6	2843.0	2861.1	3086.6	3375.9
30°	3198.7	3197.5	3187.8	3130.0	2952.7	2794.8	2774.3	2862.3	2879.2	3095.0	3406.1
32.5°	3414.5	3418.1	3442.2	3397.6	3203.5	2956.3	2865.9	2902.1	2914.1	3111.9	3432.6
35°	3619.5	3626.7	3690.6	3706.3	3508.5	3201.1	3015.4	2981.7	2982.9	3149.3	3467.6
37.5°	3816.0	3840.1	3942.6	4018.5	3888.3	3497.7	3231.2	3116.7	3107.1	3224.0	3520.6
40°	4039.0	4084.9	4213.9	4342.9	4301.9	3889.5	3525.4	3324.1	3303.6	3361.5	3615.9
42.5°	4286.2	4335.6	4506.9	4687.7	4707.0	4363.4	3893.2	3626.7	3591.7	3592.9	3794.3
45°	4551.5	4617.8	4816.7	5077.1	5194.1	4891.5	4346.5	4035.4	4000.5	3948.6	4081.2
47.5°	4899.9	4957.8	5149.5	5449.7	5674.0	5458.1	4940.9	4561.1	4497.2	4421.2	4527.3
50°	5200.1	5250.8	5415.9	5792.1	6258.7	6188.8	5614.9	5218.2	5156.7	5027.7	5115.7
52.5°	5266.4	5306.2	5458.1	5881.3	6706.0	7111.1	6440.8	6012.8	5969.3	5730.6	5764.4
55°	4968.6	5028.9	5165.2	5635.4	6823.0	8013.0	7512.6	6908.6	6818.2	6437.2	6497.4
57.5°	4216.3	4323.6	4451.4	5062.7	6505.9	8492.8	9010.1	7857.5	7775.5	7117.2	7118.4
60°	3090.2	3177.0	3262.6	3822.0	5753.5	8460.3	10368.9	8923.3	8773.8	7673.0	7652.5
62.5°	2247.4	2292.0	2290.8	2489.7	3951.0	7903.3	11082.7	10529.3	10180.8	8267.4	8150.4
65°	1767.5	1766.3	1818.2	1883.3	2206.4	6100.8	11170.7	12874.3	12498.1	9064.3	8820.8
67.5°	1375.7	1402.2	1454.1	1645.8	1657.8	3192.7	10396.6	14324.7	14317.5	10280.9	9605.7
70°	1061.0	1097.2	1170.7	1450.4	1531.2	1786.8	7779.1	13865.4	13982.3	10824.6	9049.9
72.5°	681.2	678.8	787.3	1171.9	1470.9	1489.0	4301.9	11013.9	11146.6	9804.6	7317.3
75°	381.0	383.4	444.9	717.4	1370.9	1401.0	2130.4	7853.8	7958.7	7644.0	5622.1
77.5°	149.5	154.3	208.6	377.4	904.3	1251.5	1266.0	5355.7	5371.3	4737.1	3448.3
80°	60.3	63.9	106.1	233.9	551.0	842.8	904.3	3155.3	3091.4	1833.8	1003.1
82.5°	18.1	19.3	42.2	132.6	288.2	599.2	610.1	1210.5	1143.0	394.3	255.6
85°	1.2	1.2	9.6	41.0	102.5	150.7	406.3	394.3	349.6	98.9	113.3
87.5°	0.0	0.0	1.2	1.2	2.4	4.8	43.4	72.3	73.5	18.1	50.6
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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Scaled Data Report

REPORT NUMBER: P641936
CATALOG NUMBER: GWS-SA6B-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6	3233.6
2.5°	3244.5	3201.1	3197.5	3163.7	3130.0	3087.8	3038.3	3002.2	2976.8	2932.2	2923.8
5°	3239.7	3181.8	3127.5	3031.1	2923.8	2808.0	2706.8	2612.7	2553.6	2513.9	2497.0
7.5°	3230.0	3156.5	3031.1	2849.0	2669.4	2466.8	2308.9	2164.2	2065.3	2007.5	1982.1
10°	3222.8	3123.9	2920.2	2644.1	2365.6	2085.8	1845.9	1631.3	1511.9	1417.9	1402.2
12.5°	3208.3	3076.9	2777.9	2404.1	2044.8	1673.5	1367.2	1104.4	922.3	840.4	811.4
15°	3193.9	3027.5	2635.6	2150.9	1695.2	1237.0	865.7	612.5	487.1	448.5	446.1
17.5°	3191.4	2982.9	2481.3	1911.0	1328.7	810.2	493.1	396.7	370.1	360.5	360.5
20°	3198.7	2945.5	2329.4	1634.9	968.2	493.1	367.7	343.6	327.9	319.5	319.5
22.5°	3205.9	2906.9	2183.5	1356.4	642.6	360.5	324.3	303.8	285.7	276.1	271.3
25°	3210.7	2864.7	2021.9	1076.7	419.6	313.5	284.5	258.0	236.3	224.3	224.3
27.5°	3209.5	2814.1	1859.2	803.0	325.5	278.5	243.5	215.8	194.1	180.9	182.1
30°	3199.9	2758.6	1690.4	560.6	284.5	243.5	208.6	179.6	157.9	147.1	145.9
32.5°	3192.7	2699.5	1495.0	394.3	255.6	213.4	177.2	149.5	131.4	123.0	121.8
35°	3184.2	2641.7	1309.4	300.2	230.3	184.5	149.5	126.6	112.1	104.9	104.9
37.5°	3186.6	2581.4	1108.0	258.0	205.0	160.4	127.8	108.5	96.5	89.2	88.0
40°	3224.0	2545.2	910.3	233.9	182.1	138.7	110.9	94.0	82.0	74.8	73.5
42.5°	3316.8	2546.4	721.0	215.8	161.6	118.2	96.5	80.8	69.9	61.5	60.3
45°	3502.5	2597.0	553.4	196.5	139.9	102.5	83.2	68.7	57.9	50.6	49.4
47.5°	3806.3	2747.8	419.6	179.6	121.8	89.2	71.1	57.9	48.2	42.2	41.0
50°	4289.8	3020.2	330.4	159.2	102.5	77.2	60.3	48.2	39.8	33.8	32.6
52.5°	4871.0	3429.0	283.3	141.1	88.0	67.5	51.8	39.8	32.6	27.7	26.5
55°	5538.9	3917.3	261.6	123.0	74.8	57.9	42.2	32.6	26.5	22.9	20.5
57.5°	6151.4	4357.3	260.4	104.9	63.9	49.4	35.0	27.7	22.9	18.1	16.9
60°	6748.2	4725.1	244.8	86.8	55.5	41.0	30.1	22.9	19.3	15.7	14.5
62.5°	7289.6	5024.1	205.0	69.9	47.0	33.8	25.3	20.5	16.9	13.3	13.3
65°	7969.6	5405.1	156.7	56.7	38.6	27.7	21.7	18.1	15.7	12.1	12.1
67.5°	*8672.5*	*5606.4*	*112.1*	*47.0*	*31.3*	*24.1*	*19.3*	*16.9*	*13.3*	*10.9*	*10.9*
70°	7855.0	4737.1	80.8	38.6	26.5	20.5	16.9	15.7	13.3	10.9	9.6
72.5°	6134.5	3415.7	60.3	30.1	22.9	19.3	15.7	14.5	12.1	9.6	9.6
75°	4549.1	1991.8	45.8	24.1	18.1	15.7	15.7	14.5	12.1	9.6	8.4
77.5°	2472.9	694.5	35.0	19.3	14.5	12.1	13.3	13.3	10.9	8.4	7.2
80°	654.7	190.5	24.1	14.5	12.1	9.6	9.6	12.1	9.6	7.2	7.2
82.5°	190.5	55.5	16.9	12.1	9.6	8.4	8.4	8.4	7.2	6.0	4.8
85°	92.8	20.5	12.1	9.6	8.4	7.2	6.0	6.0	4.8	3.6	3.6
87.5°	41.0	8.4	9.6	8.4	8.4	6.0	4.8	3.6	3.6	2.4	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

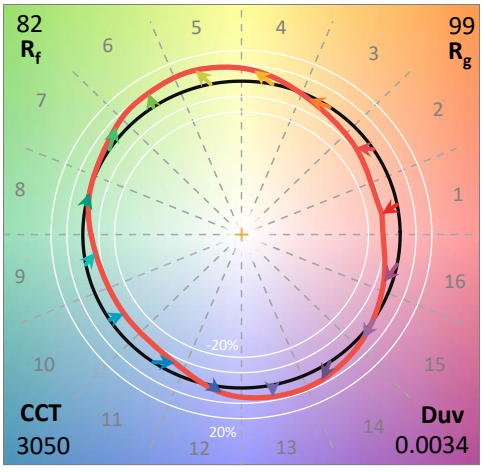
Test Information

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

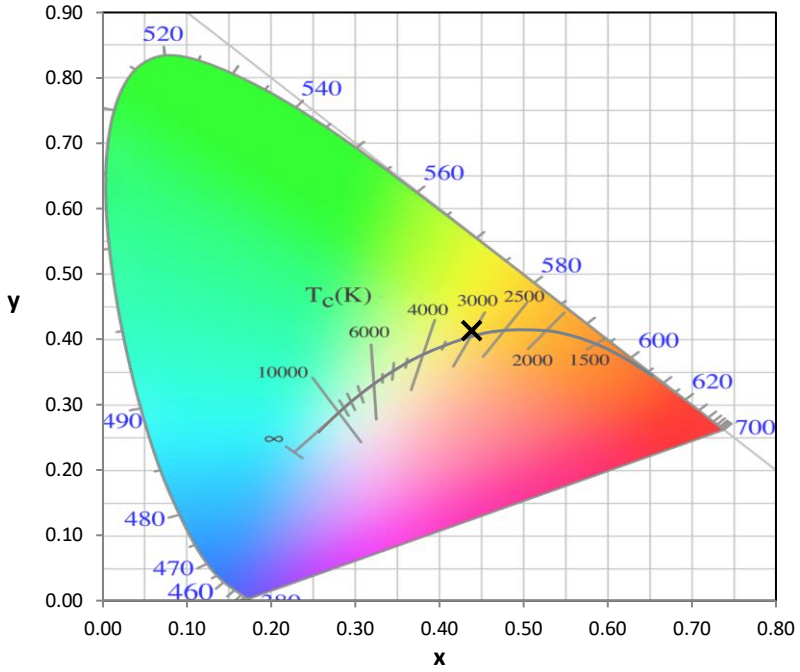
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

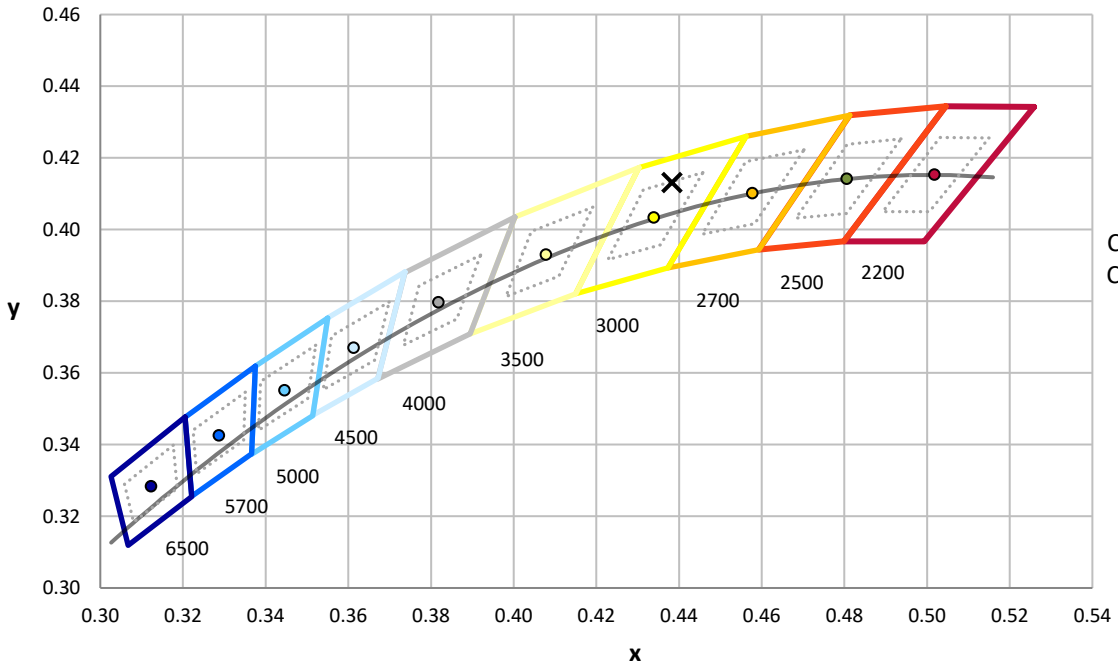
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

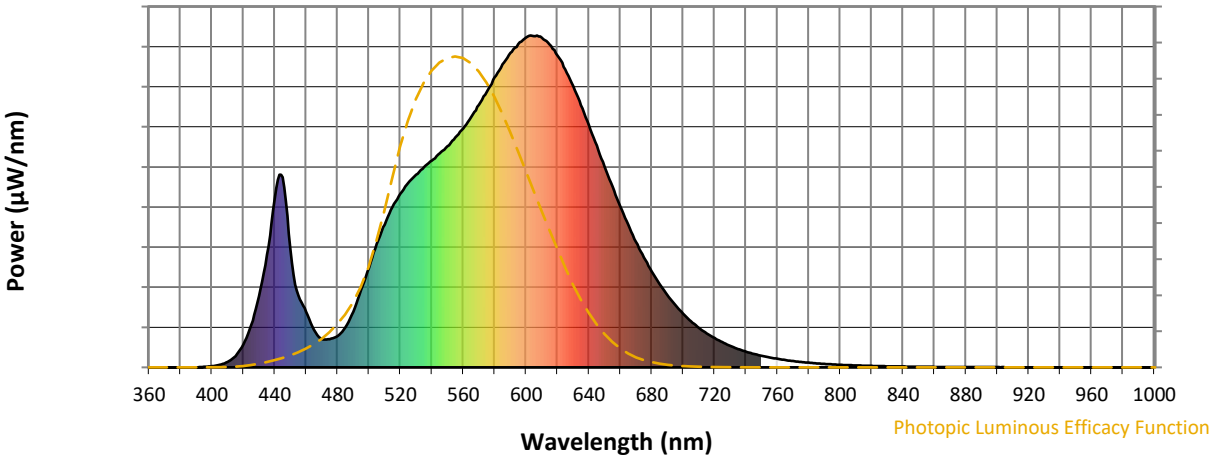


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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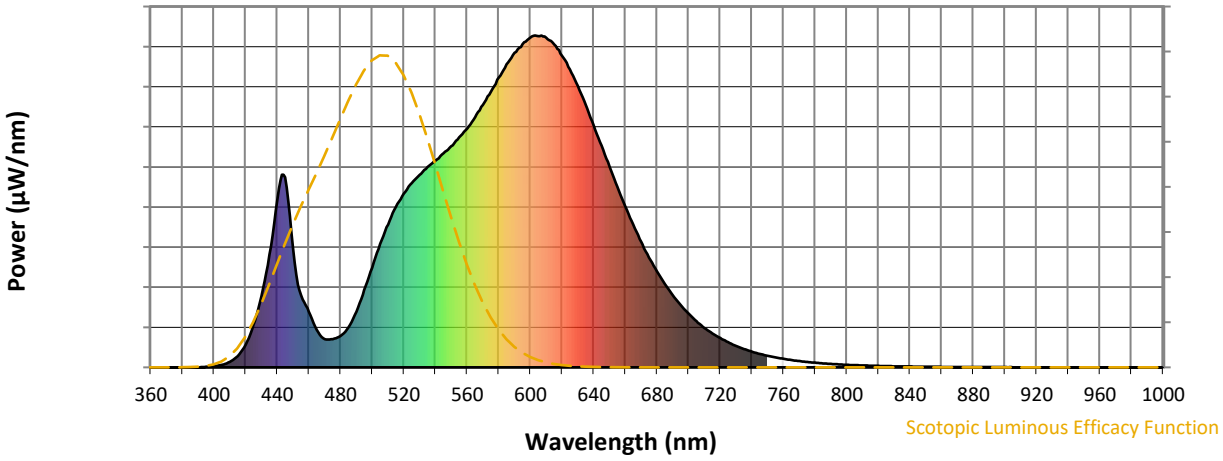
Scotopic Flux vs. Wavelength



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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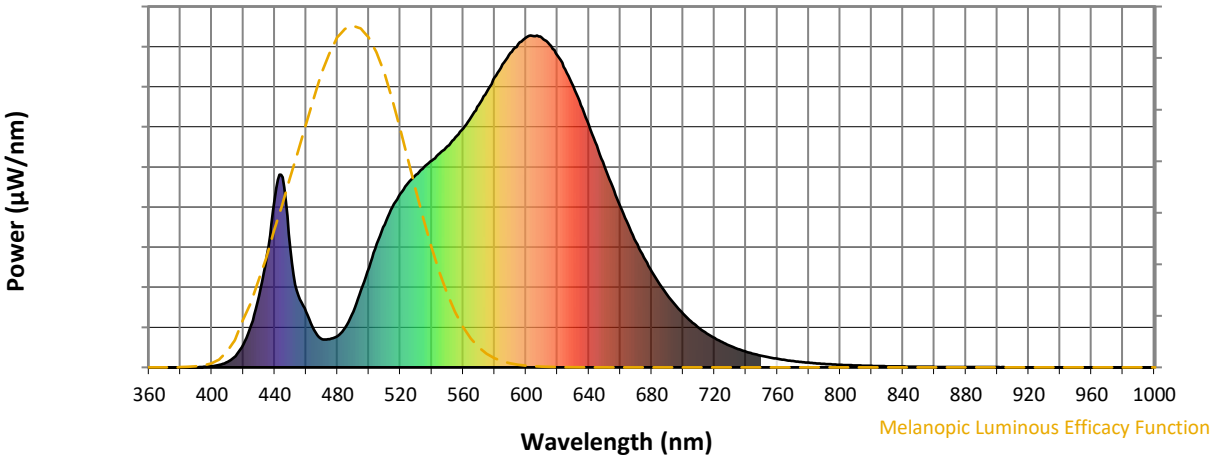
Melanopic Flux vs. Wavelength



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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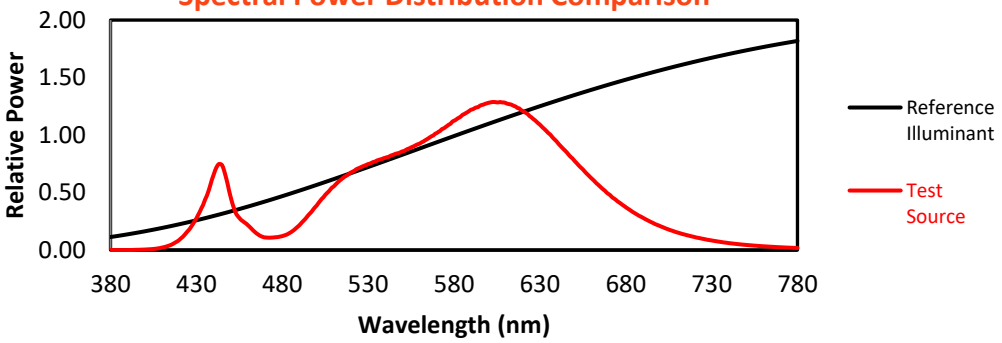
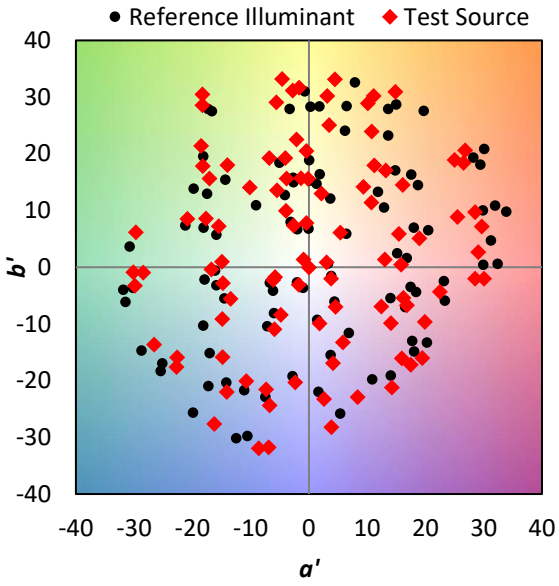
Summary

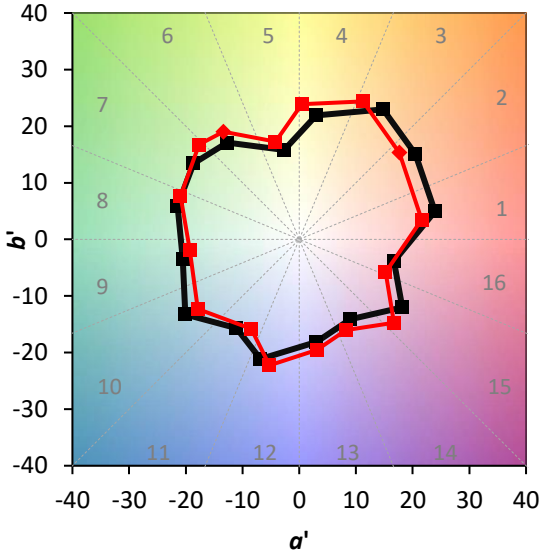
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

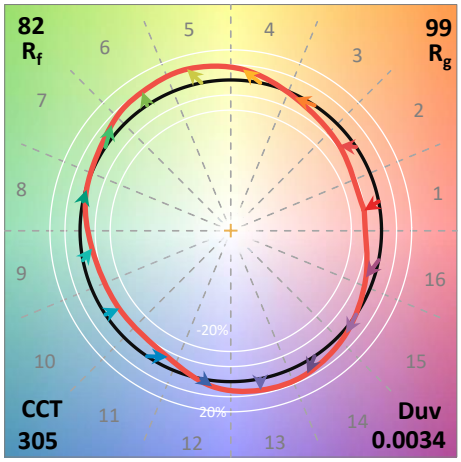
Spectral Power Distribution Comparison

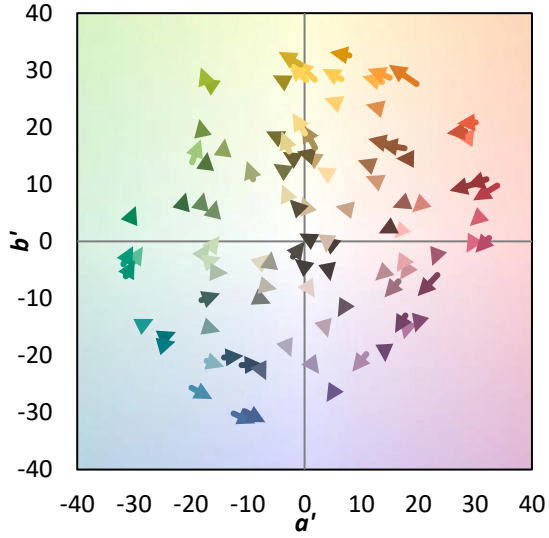


Color Vector Graphics









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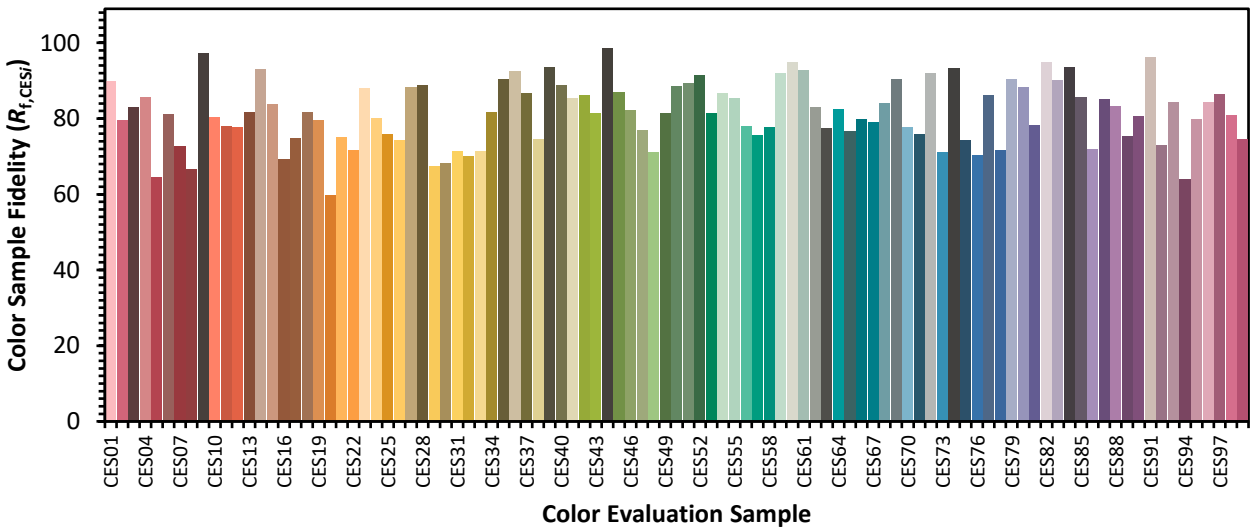
Individual Sample Fidelity Index ($R_{f,i}$)

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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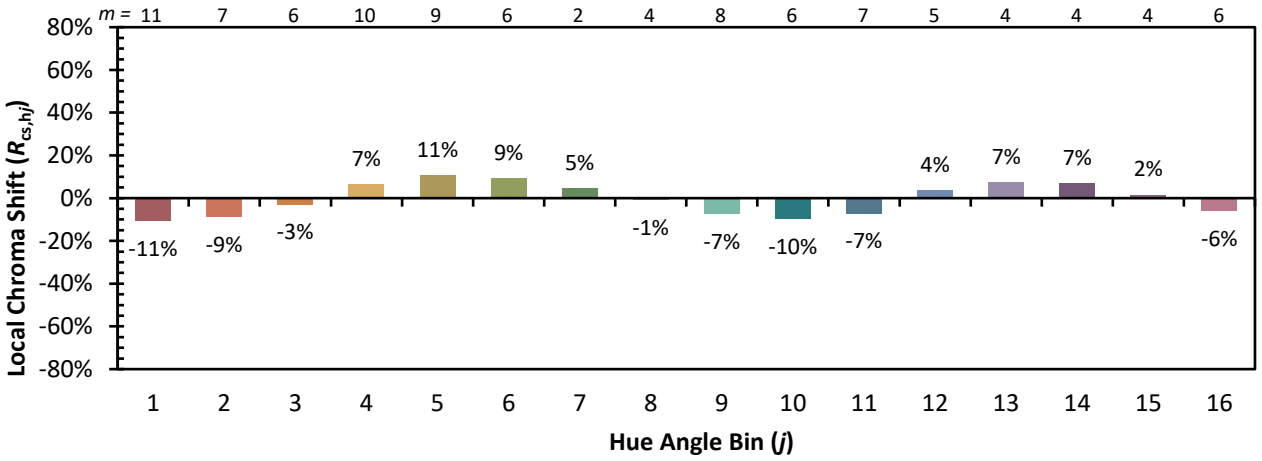
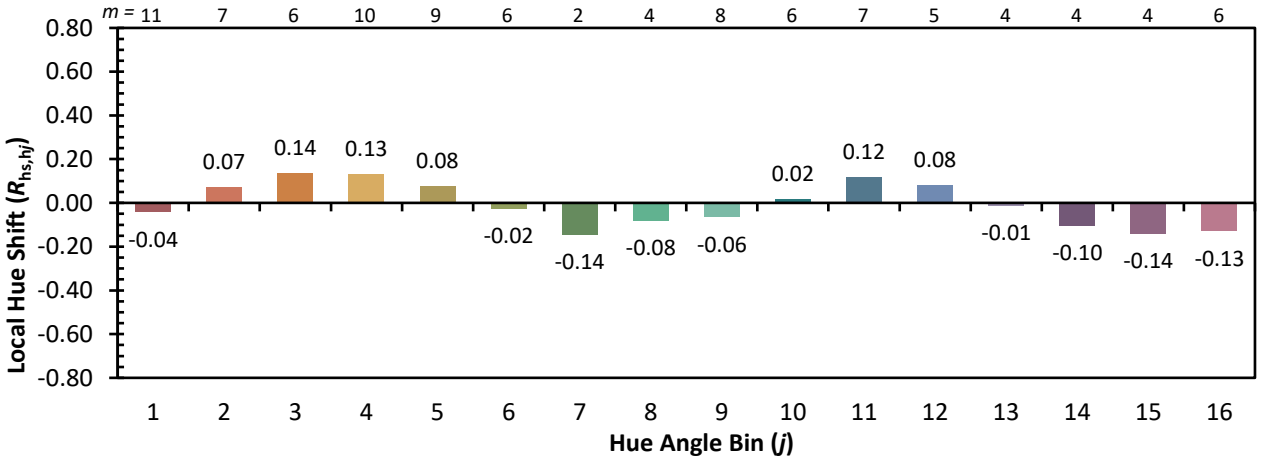
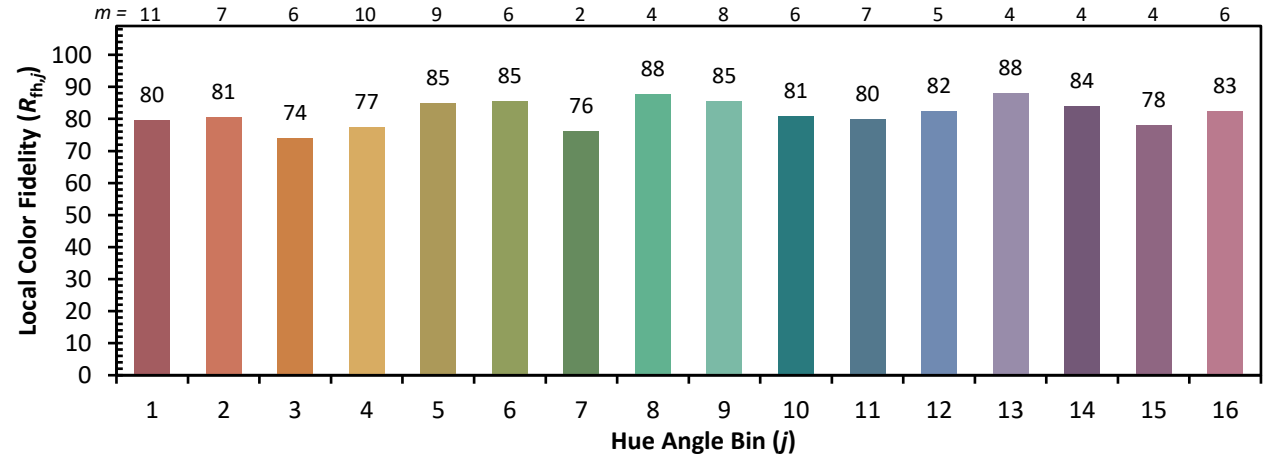
Color Rendition by Hue-Angle Bin







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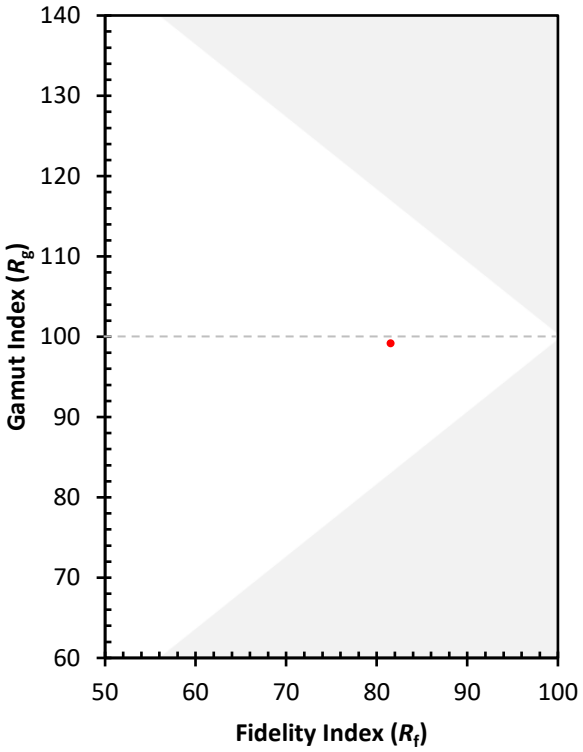
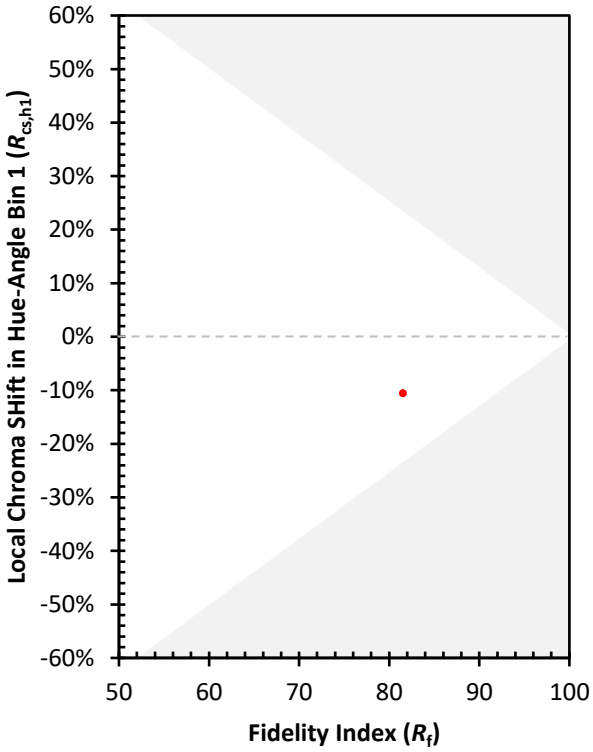
Measure Comparisons





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