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: P642921

Luminaire Tested: GWS-SA6D-830-U-RW-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:	P642921
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-RW-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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:	18443.2 lumens
Efficiency:	N/A
Efficacy:	75.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G0

Input Watts (W):	245.7
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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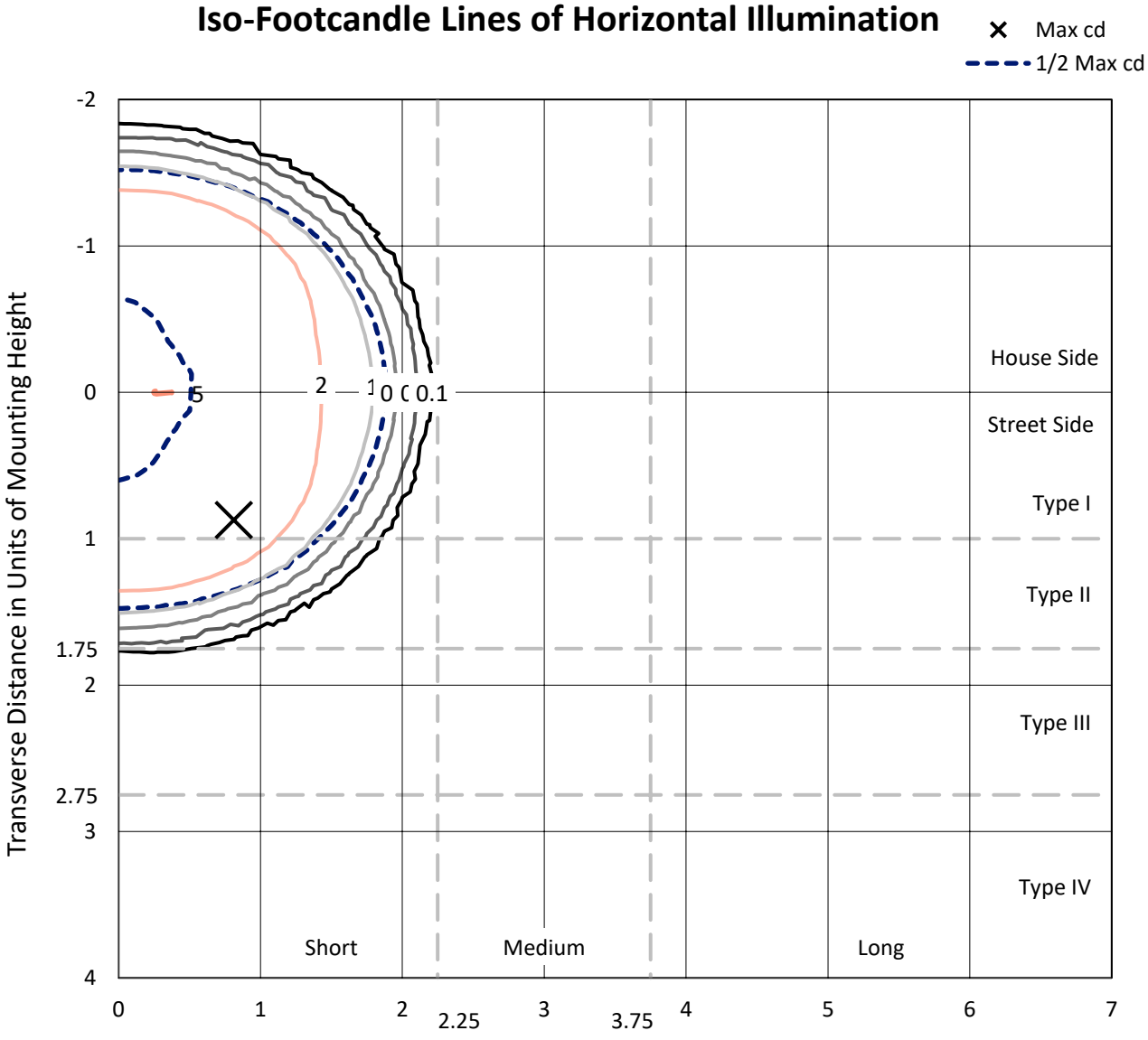
Scaled Data Report

REPORT NUMBER: P642921
CATALOG NUMBER: GWS-SA6D-830-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5 fc
Type V - Short - N/A

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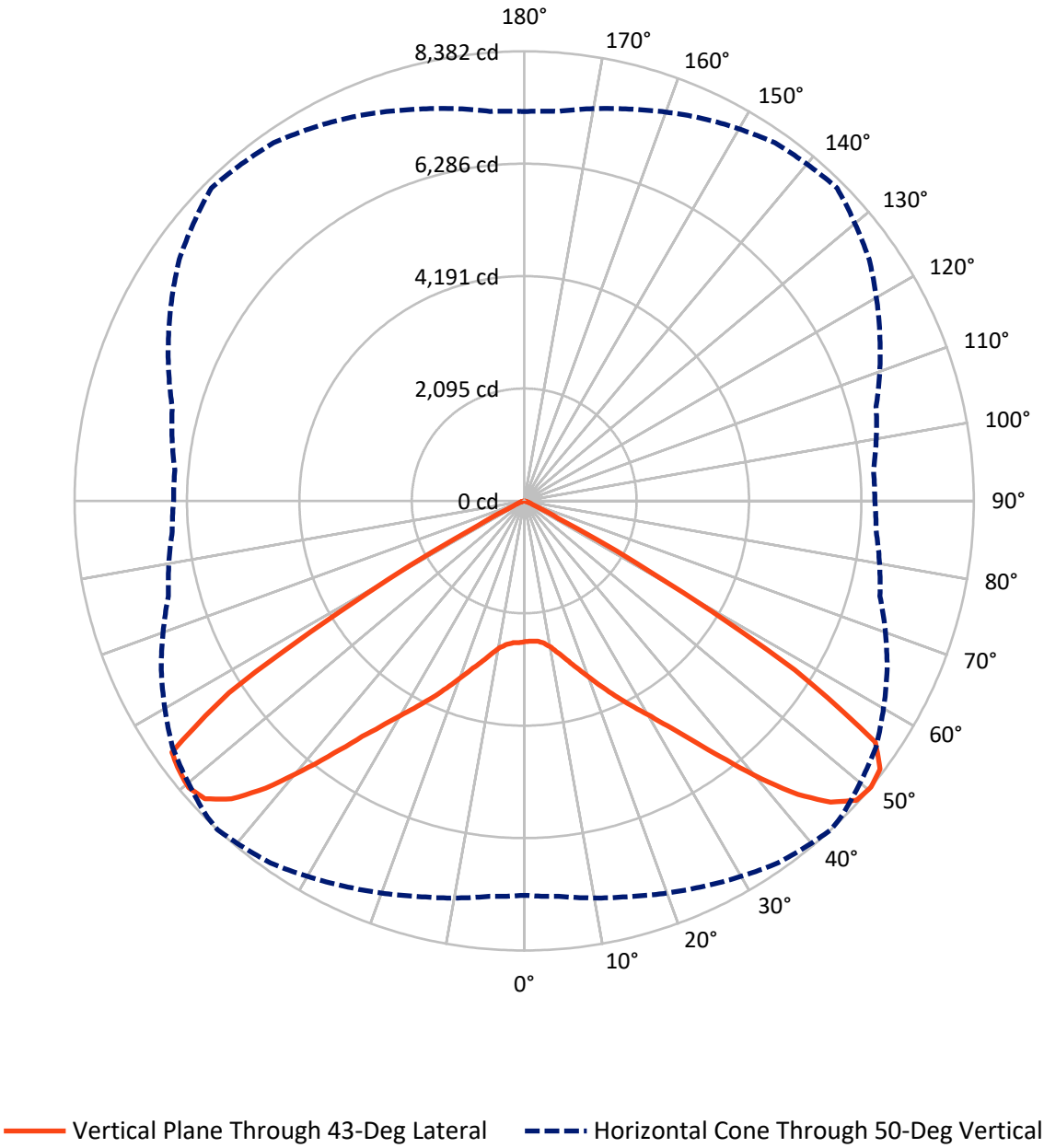
Luminous Intensity Polar Plot



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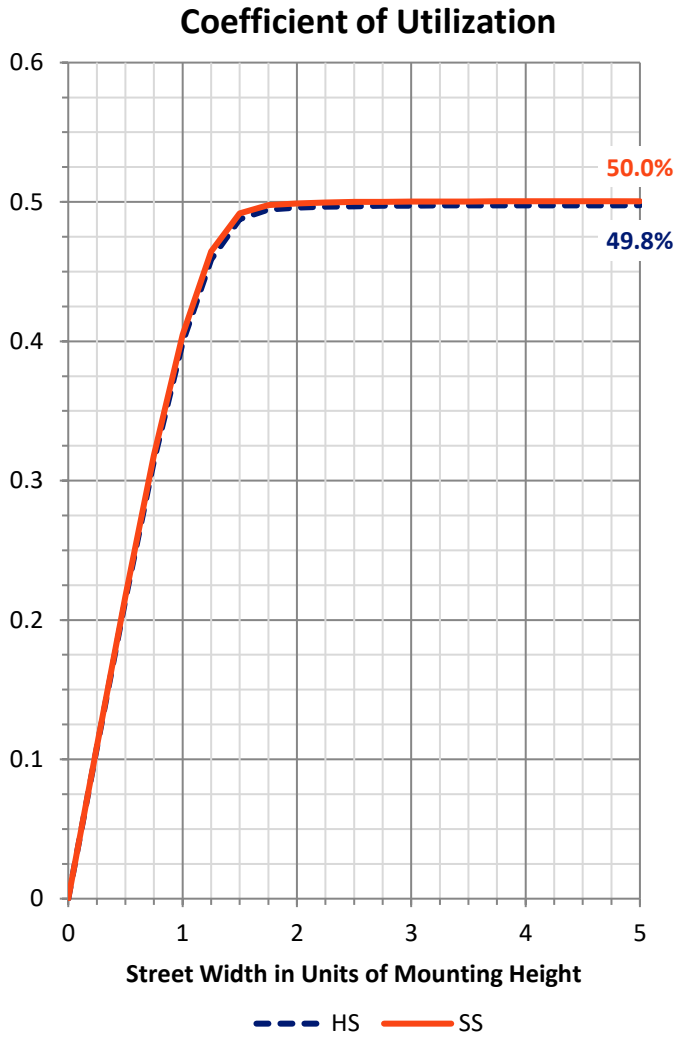
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9221.4	0.0	9221.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9221.8	0.0	9221.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	18443.2	0.0	18443.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.3	1.4
10°-20°	889.0	4.8
20°-30°	1798.6	9.8
30°-40°	3337.0	18.1
40°-50°	5539.2	30.0
50°-60°	5653.0	30.7
60°-70°	927.0	5.0
70°-80°	40.6	0.2
80°-90°	0.6	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°	18443.2	100.0
0°-180°	18443.2	100.0



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REPORT NUMBER: P642921
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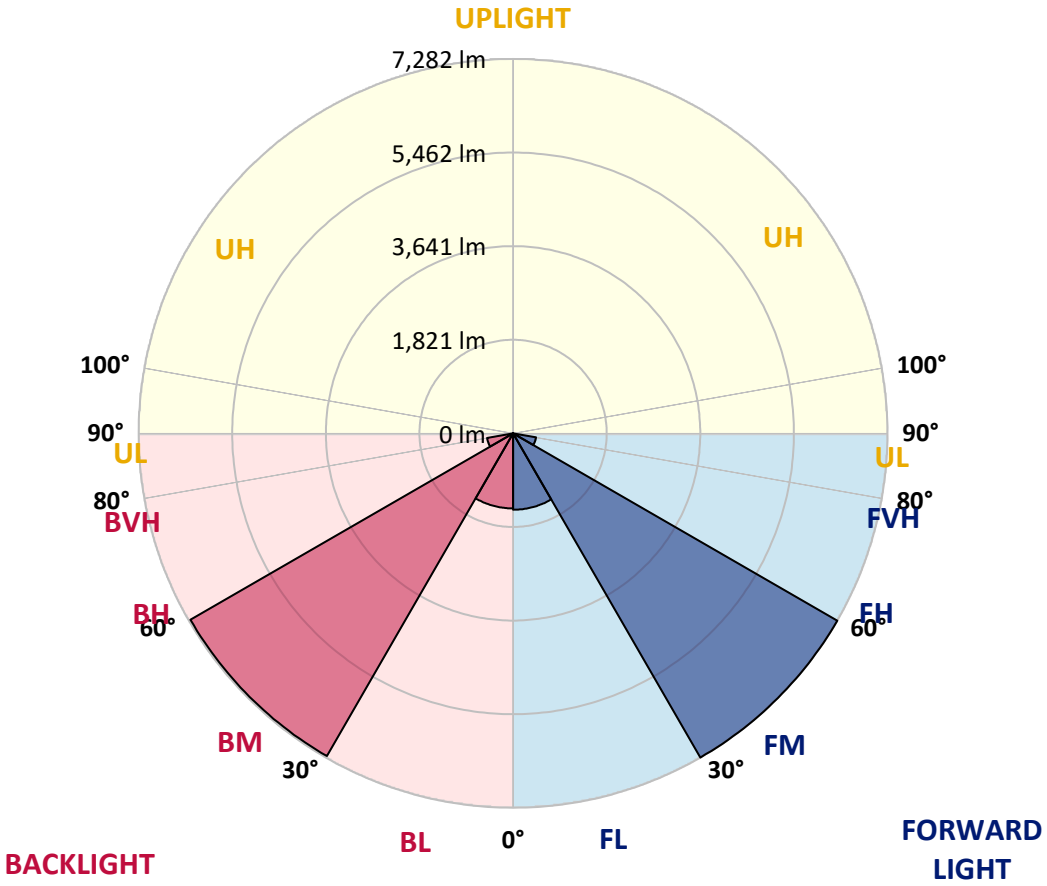
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1485.9	8.1			
FM	(30°-60°)	7282.3	39.5			
FH	(60°-80°)	453.5	2.5			G0/660
FVH	(80°-90°)	0.2	0.0			G0/10
BL	(0°-30°)	1460.0	7.9	B3/2500		
BM	(30°-60°)	7246.9	39.3	B4/8500		
BH	(60°-80°)	514.1	2.8	B2/1000		G0/660
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
Type V Short



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REPORT NUMBER: P642921
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3
2.5°	2574.3	2580.4	2588.6	2596.7	2606.9	2617.1	2623.3	2641.6	2637.5	2653.9	2653.9
5°	2545.7	2551.9	2562.1	2580.4	2602.9	2625.3	2641.6	2678.3	2698.7	2731.4	2743.6
7.5°	2560.0	2568.2	2580.4	2609.0	2643.7	2678.3	2696.7	2755.8	2796.6	2857.8	2892.5
10°	2606.9	2615.1	2635.5	2684.4	2729.3	2778.3	2800.7	2876.2	2941.5	3025.1	3074.1
12.5°	2660.0	2670.2	2711.0	2784.4	2861.9	2927.2	2957.8	3041.4	3108.7	3202.6	3280.1
15°	2715.0	2731.4	2794.6	2902.7	3012.9	3100.6	3133.2	3223.0	3290.3	3390.2	3478.0
17.5°	2843.6	2861.9	2933.3	3049.6	3200.5	3302.5	3331.1	3424.9	3475.9	3543.2	3635.0
20°	3004.7	3039.4	3127.1	3267.8	3433.1	3531.0	3551.4	3643.2	3639.1	3667.7	3747.2
22.5°	3204.6	3229.1	3325.0	3492.2	3677.9	3786.0	3832.9	3871.6	3820.6	3796.2	3847.2
25°	3412.7	3441.2	3545.3	3728.9	3936.9	4061.4	4100.1	4130.7	4049.1	3957.3	3963.4
27.5°	3681.9	3702.3	3804.3	4000.2	4208.2	4349.0	4383.6	4436.7	4328.6	4181.7	4140.9
30°	4002.2	4022.6	4130.7	4336.7	4542.8	4663.1	4716.1	4781.4	4663.1	4479.5	4432.6
32.5°	4377.5	4397.9	4536.6	4748.8	4918.1	5048.6	5099.6	5169.0	5075.2	4869.1	4816.1
35°	4826.3	4838.5	5001.7	5232.2	5411.7	5538.2	5572.9	5654.5	5550.4	5344.4	5315.9
37.5°	5346.5	5360.7	5538.2	5805.4	5989.0	6129.8	6184.8	6207.3	6080.8	5850.3	5827.9
40°	5917.6	5964.5	6137.9	6425.5	6631.6	6809.0	6858.0	6782.5	6605.1	6290.9	6250.1
42.5°	6513.3	6554.1	6747.8	7059.9	7298.6	7480.1	7482.2	7319.0	7017.1	6582.6	6521.4
45°	7008.9	7025.3	7276.2	7590.3	7884.0	8012.6	8024.8	7729.0	7274.1	6751.9	6621.4
47.5°	7349.6	7376.1	7594.4	7896.3	8220.6	8336.9	8312.4	7943.2	7396.5	6862.1	6645.8
50°	7353.7	7398.6	7635.2	7926.9	8241.0	8381.8	8347.1	8004.4	7465.9	6866.2	6586.7
52.5°	6703.0	6776.4	7161.9	7584.2	8065.6	8306.3	8314.4	8083.9	7439.4	6800.9	6533.7
55°	5056.8	5136.4	5621.8	6341.9	7272.1	7943.2	8059.5	7990.1	7408.8	6829.4	6627.5
57.5°	2676.3	2615.1	2884.4	3598.3	4767.1	5954.3	6295.0	6849.8	7068.1	6864.1	6800.9
60°	583.4	622.2	828.2	1115.8	1860.3	2800.7	3133.2	4083.8	5213.9	5715.7	6078.8
62.5°	250.9	246.8	257.0	291.7	426.3	709.9	866.9	1415.7	2233.6	3067.9	3633.0
65°	206.0	208.1	216.2	216.2	201.9	204.0	214.2	324.3	522.2	732.3	983.2
67.5°	155.0	157.1	171.3	175.4	165.2	146.9	144.8	122.4	128.5	161.1	167.3
70°	97.9	97.9	106.1	110.2	110.2	102.0	100.0	87.7	85.7	97.9	110.2
72.5°	53.0	53.0	57.1	59.2	57.1	55.1	55.1	53.0	51.0	59.2	75.5
75°	22.4	22.4	24.5	24.5	22.4	22.4	22.4	22.4	22.4	26.5	40.8
77.5°	4.1	6.1	8.2	6.1	4.1	4.1	4.1	6.1	6.1	8.2	12.2
80°	2.0	2.0	4.1	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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

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Scaled Data Report

REPORT NUMBER: P642921
CATALOG NUMBER: GWS-SA6D-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3	2623.3
2.5°	2668.1	2645.7	2653.9	2657.9	2651.8	2647.7	2625.3	2619.2	2609.0	2592.7	2588.6
5°	2757.9	2739.5	2737.5	2725.2	2696.7	2662.0	2619.2	2600.8	2580.4	2560.0	2555.9
7.5°	2908.8	2886.4	2872.1	2831.3	2766.0	2711.0	2639.6	2600.8	2574.3	2547.8	2541.7
10°	3102.6	3076.1	3035.3	2959.8	2872.1	2792.6	2708.9	2657.9	2617.1	2580.4	2578.4
12.5°	3308.6	3280.1	3206.7	3110.8	3004.7	2931.3	2825.2	2753.8	2692.6	2637.5	2631.4
15°	3524.9	3490.2	3390.2	3276.0	3178.1	3102.6	2986.3	2872.1	2778.3	2698.7	2690.6
17.5°	3690.1	3647.3	3528.9	3443.3	3363.7	3286.2	3155.7	3004.7	2880.3	2784.4	2762.0
20°	3794.1	3753.3	3641.1	3594.2	3557.5	3502.4	3347.4	3190.3	3051.6	2933.3	2912.9
22.5°	3894.1	3845.1	3747.2	3747.2	3775.8	3753.3	3586.1	3406.6	3243.4	3106.7	3076.1
25°	4006.3	3967.5	3898.2	3955.3	4026.7	4024.6	3853.3	3628.9	3441.2	3288.2	3257.6
27.5°	4169.5	4130.7	4106.2	4214.3	4304.1	4298.0	4110.3	3867.6	3669.7	3518.7	3490.2
30°	4457.1	4420.4	4393.8	4524.4	4638.6	4595.8	4389.8	4155.2	3955.3	3783.9	3763.5
32.5°	4840.6	4801.8	4767.1	4897.7	4999.7	4944.6	4748.8	4528.5	4298.0	4130.7	4089.9
35°	5344.4	5262.8	5228.1	5383.2	5426.0	5364.8	5177.2	4983.4	4738.6	4546.8	4520.3
37.5°	5864.6	5768.7	5744.2	5878.9	5948.2	5925.8	5705.5	5503.5	5238.3	5026.2	4995.6
40°	6309.3	6221.6	6178.7	6388.8	6545.9	6560.2	6362.3	6115.5	5803.4	5583.1	5528.0
42.5°	6570.4	6494.9	6484.7	6811.1	7068.1	7251.7	7015.1	6760.1	6431.7	6182.8	6137.9
45°	6629.5	6580.6	6666.2	7094.6	7494.4	7829.0	7627.0	7357.8	7002.8	6739.7	6696.8
47.5°	6623.4	6607.1	6760.1	7241.5	7747.4	8159.4	8059.5	7755.5	7412.8	7137.5	7096.7
50°	*6535.7*	*6537.7*	*6792.7*	*7314.9*	*7849.4*	*8249.2*	*8149.2*	*7867.7*	*7561.7*	*7290.4*	*7257.8*
52.5°	6501.0	6488.8	6731.5	7292.5	7953.4	8208.4	7984.0	7667.8	7327.2	6992.6	6943.7
55°	6623.4	6592.8	6739.7	7274.1	7965.6	8185.9	7594.4	6909.0	6211.4	5815.6	5783.0
57.5°	6807.0	6774.4	6843.7	7139.5	7327.2	6807.0	5589.2	4483.6	3765.6	3461.6	3329.0
60°	6078.8	6056.3	6003.3	5646.3	4842.6	3653.4	2488.6	1587.0	1140.3	922.0	922.0
62.5°	3771.7	3741.1	3453.5	2566.1	1864.4	1079.1	593.6	371.3	281.5	263.1	261.1
65°	1058.7	1052.6	871.0	616.0	391.7	242.7	214.2	218.3	214.2	208.1	206.0
67.5°	159.1	175.4	175.4	142.8	136.7	153.0	179.5	191.7	181.5	171.3	167.3
70°	102.0	110.2	106.1	91.8	97.9	114.2	128.5	130.6	124.4	114.2	112.2
72.5°	71.4	79.6	65.3	59.2	61.2	67.3	73.4	73.4	71.4	67.3	63.2
75°	42.8	42.8	30.6	28.6	28.6	30.6	30.6	34.7	34.7	32.6	30.6
77.5°	14.3	16.3	10.2	8.2	8.2	8.2	10.2	12.2	12.2	10.2	8.2
80°	2.0	4.1	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	2.0
82.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
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

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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

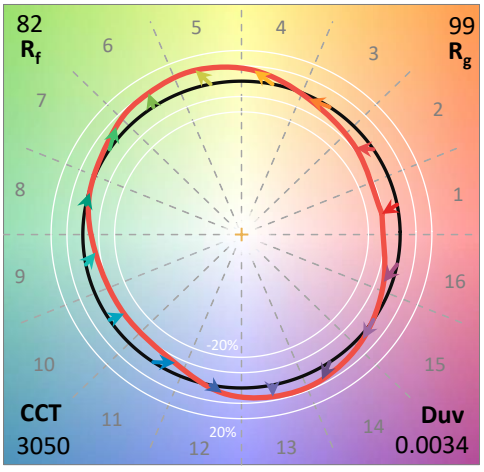
Test Information

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

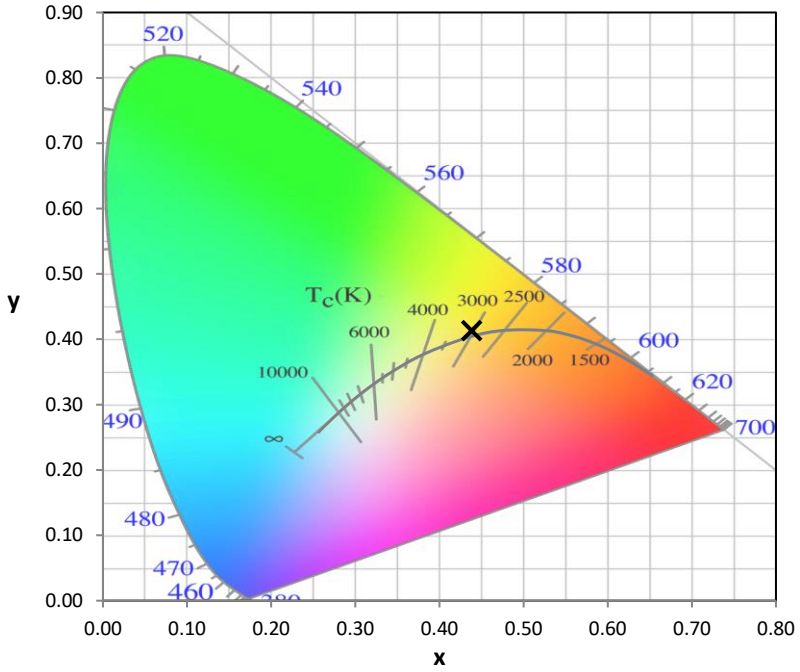
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

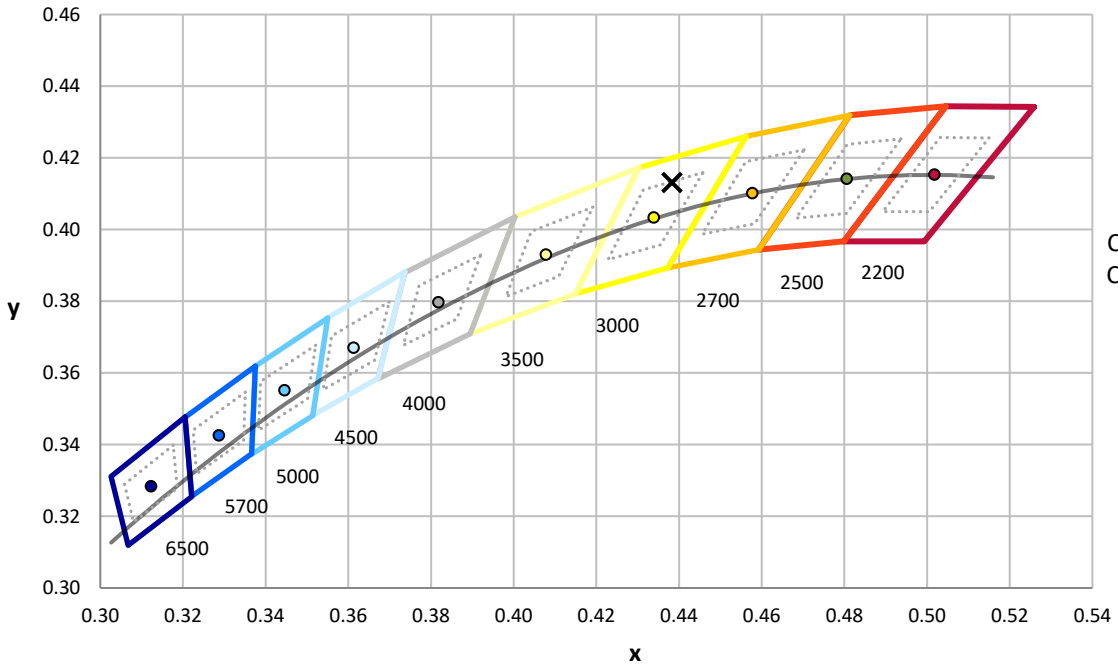
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

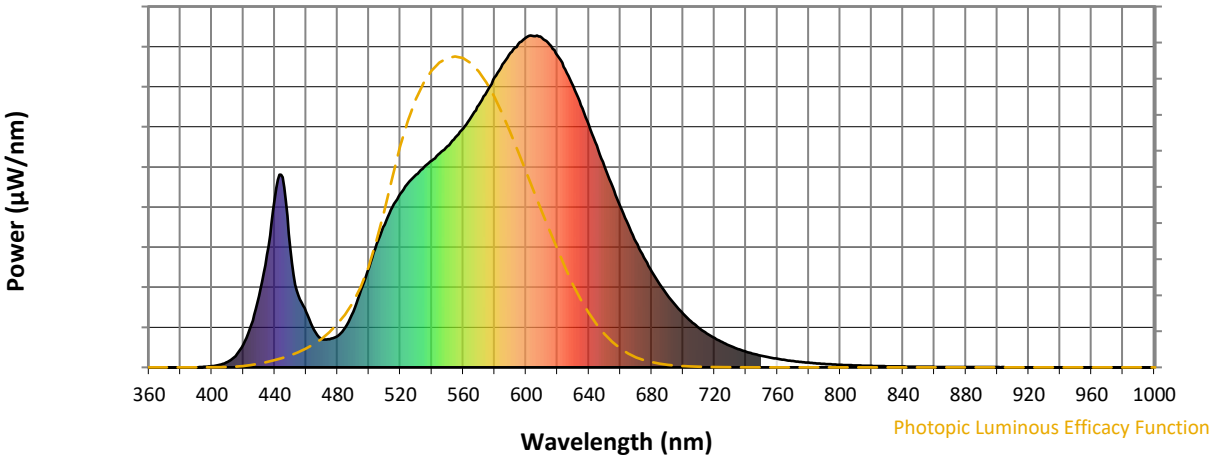


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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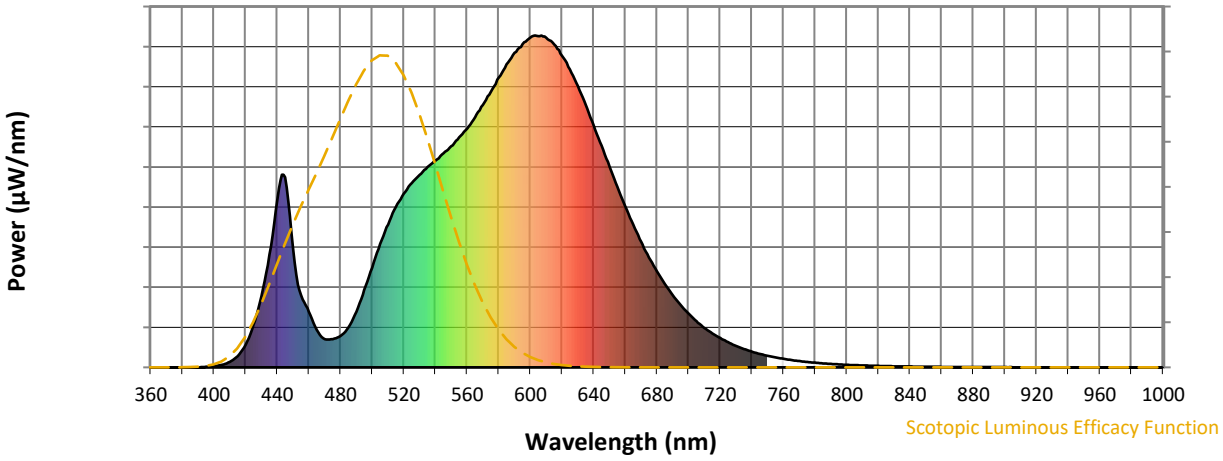
Scotopic Flux vs. Wavelength



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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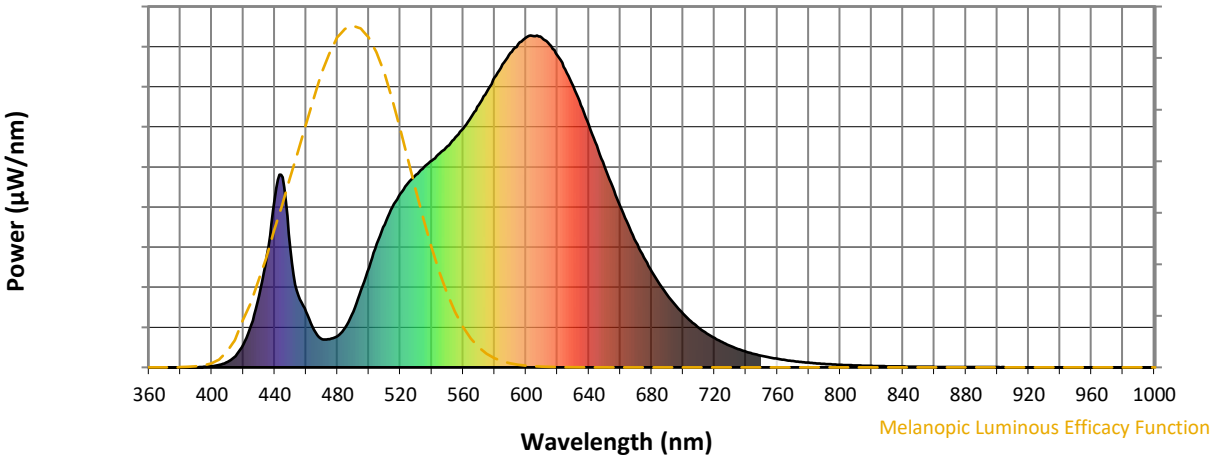
Melanopic Flux vs. Wavelength



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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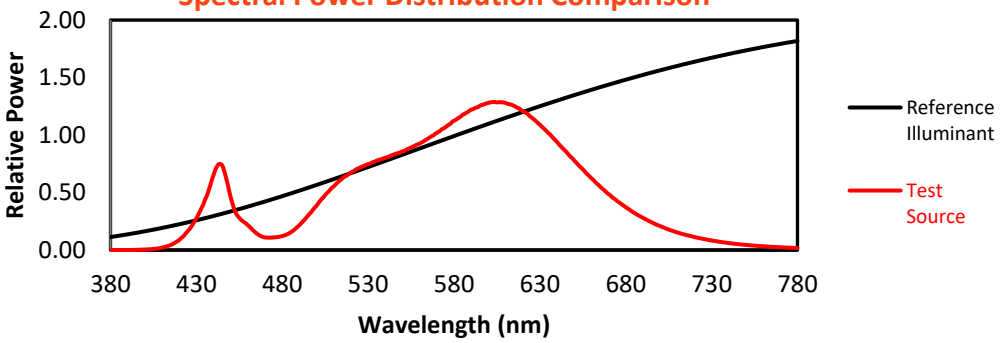
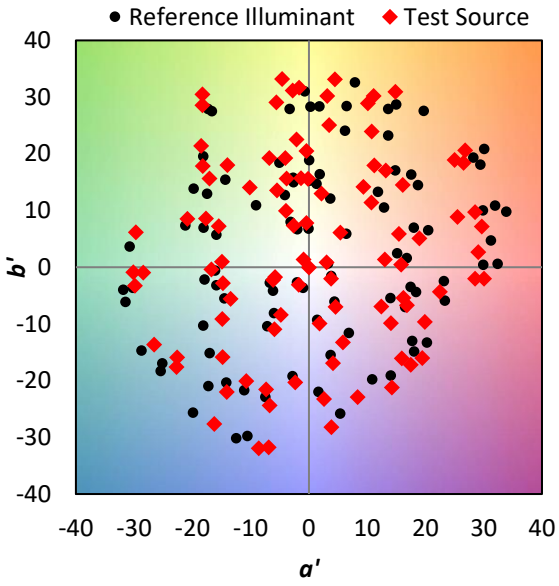
Summary

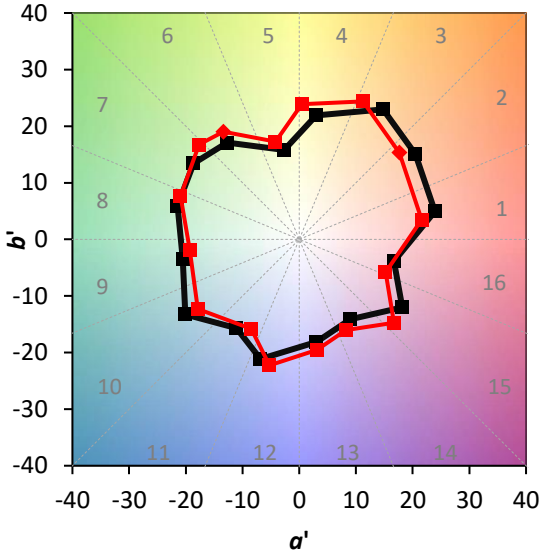
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

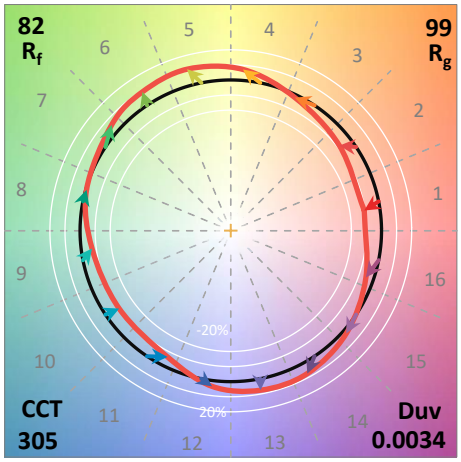
Spectral Power Distribution Comparison

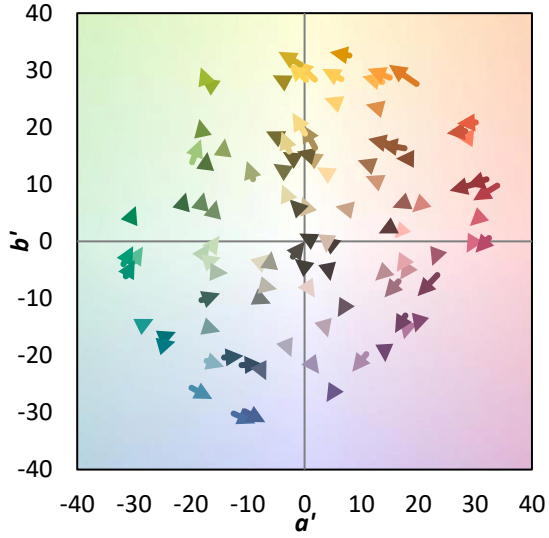


Color Vector Graphics









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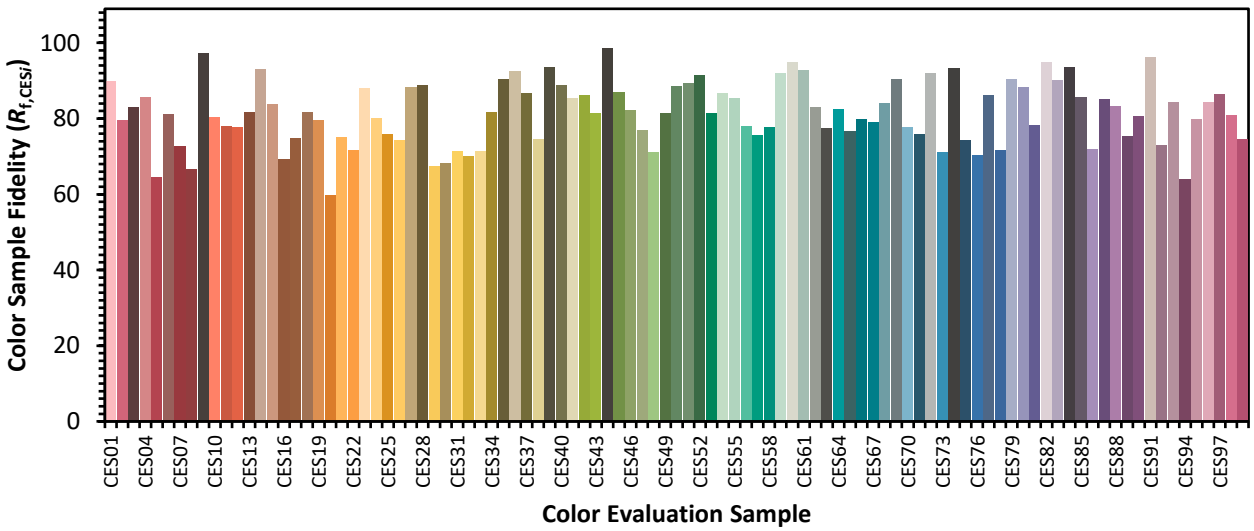
Individual Sample Fidelity Index ($R_{f,i}$)

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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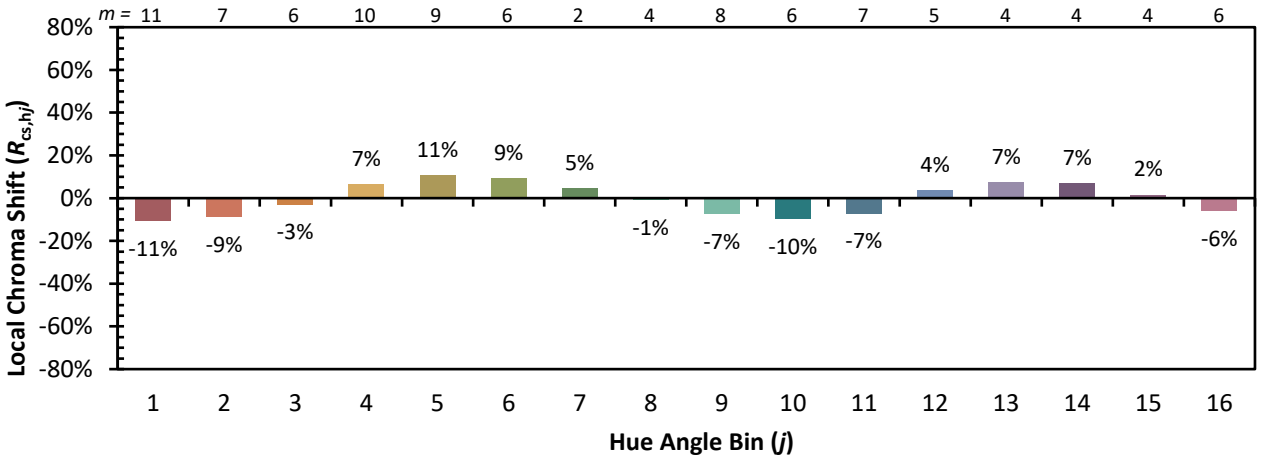
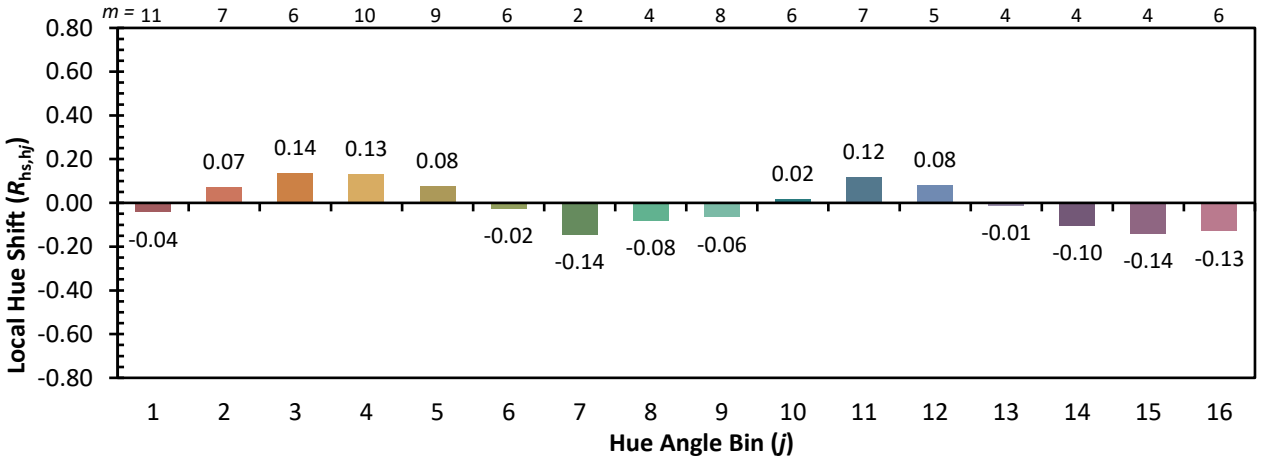
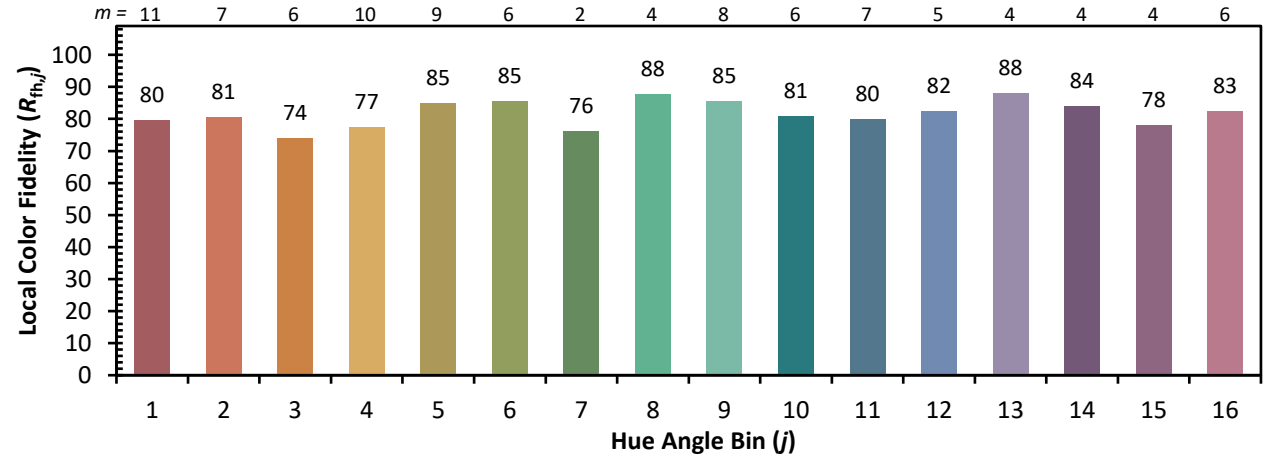
Color Rendition by Hue-Angle Bin







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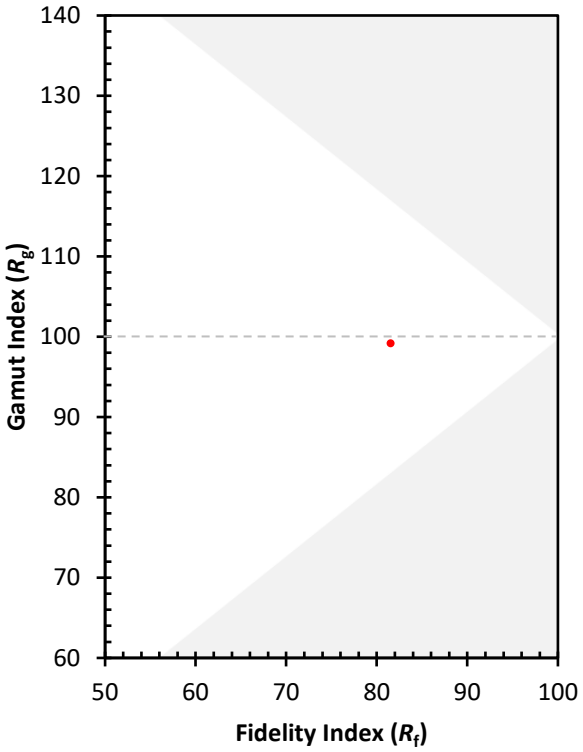
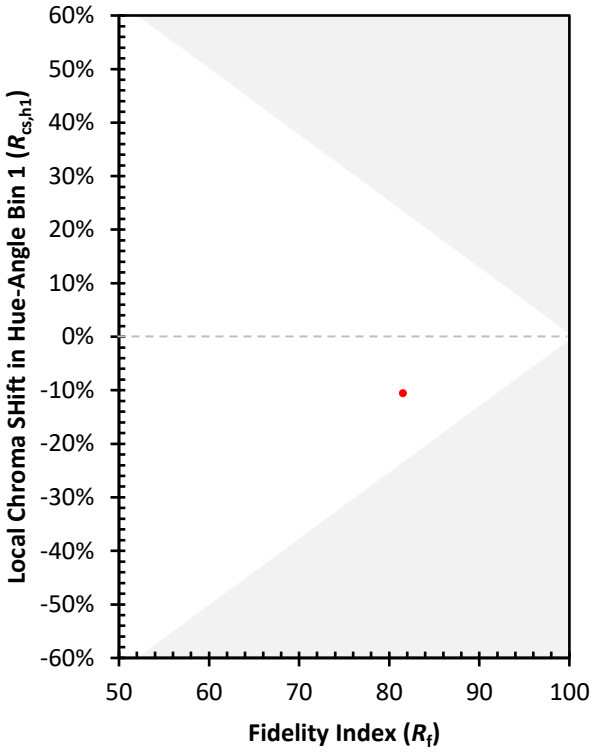
Measure Comparisons





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