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: P642447

Luminaire Tested: GWS-SA6C-830-U-T1-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:	P642447
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-T1-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22515.2 lumens
Efficiency:	N/A
Efficacy:	119.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type I - Medium
BUG Rating:	B4 - U0 - G4

Input Watts (W):	189.2
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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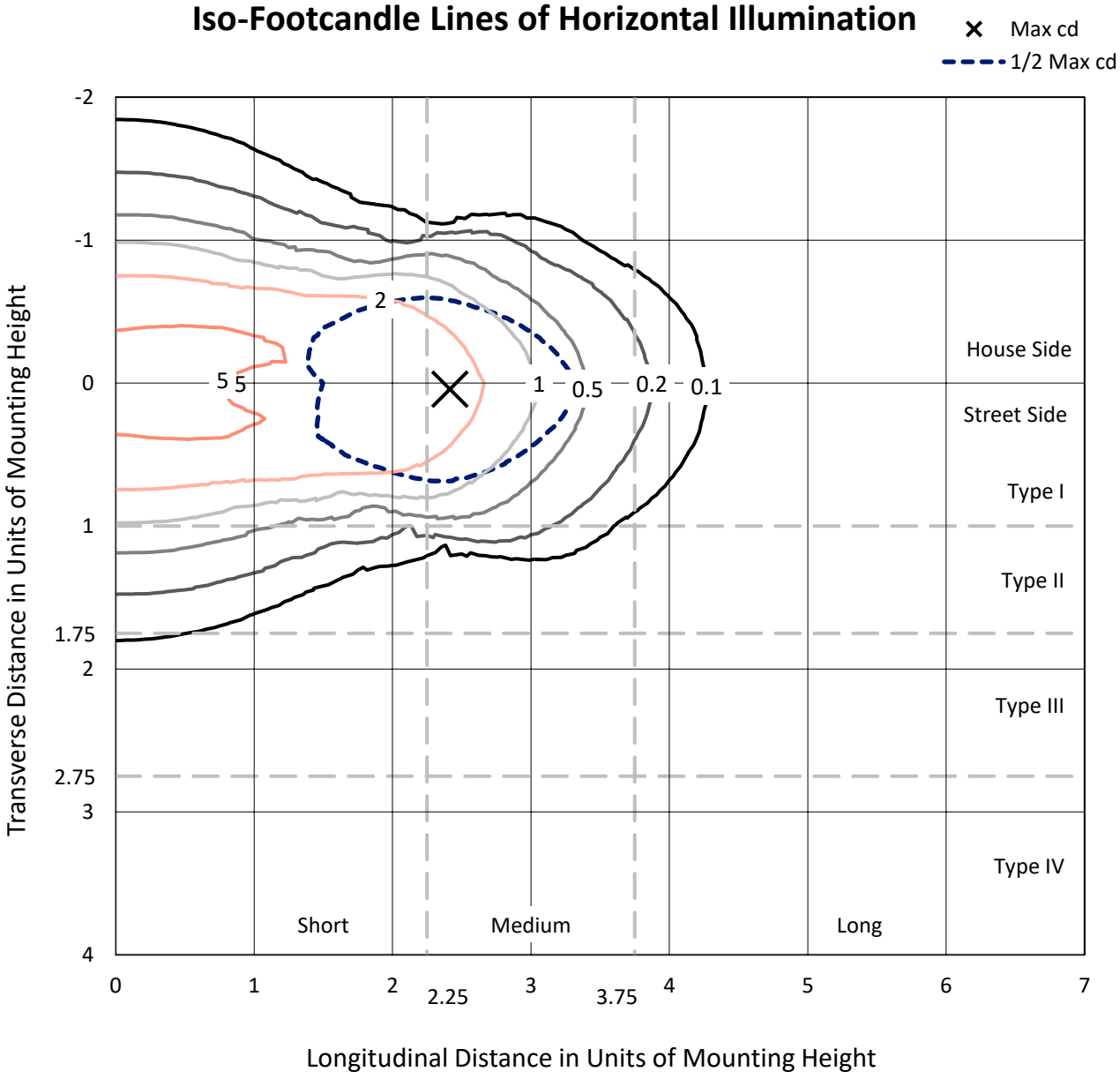
Scaled Data Report

REPORT NUMBER: P642447
CATALOG NUMBER: GWS-SA6C-830-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
Type I - Medium - N/A

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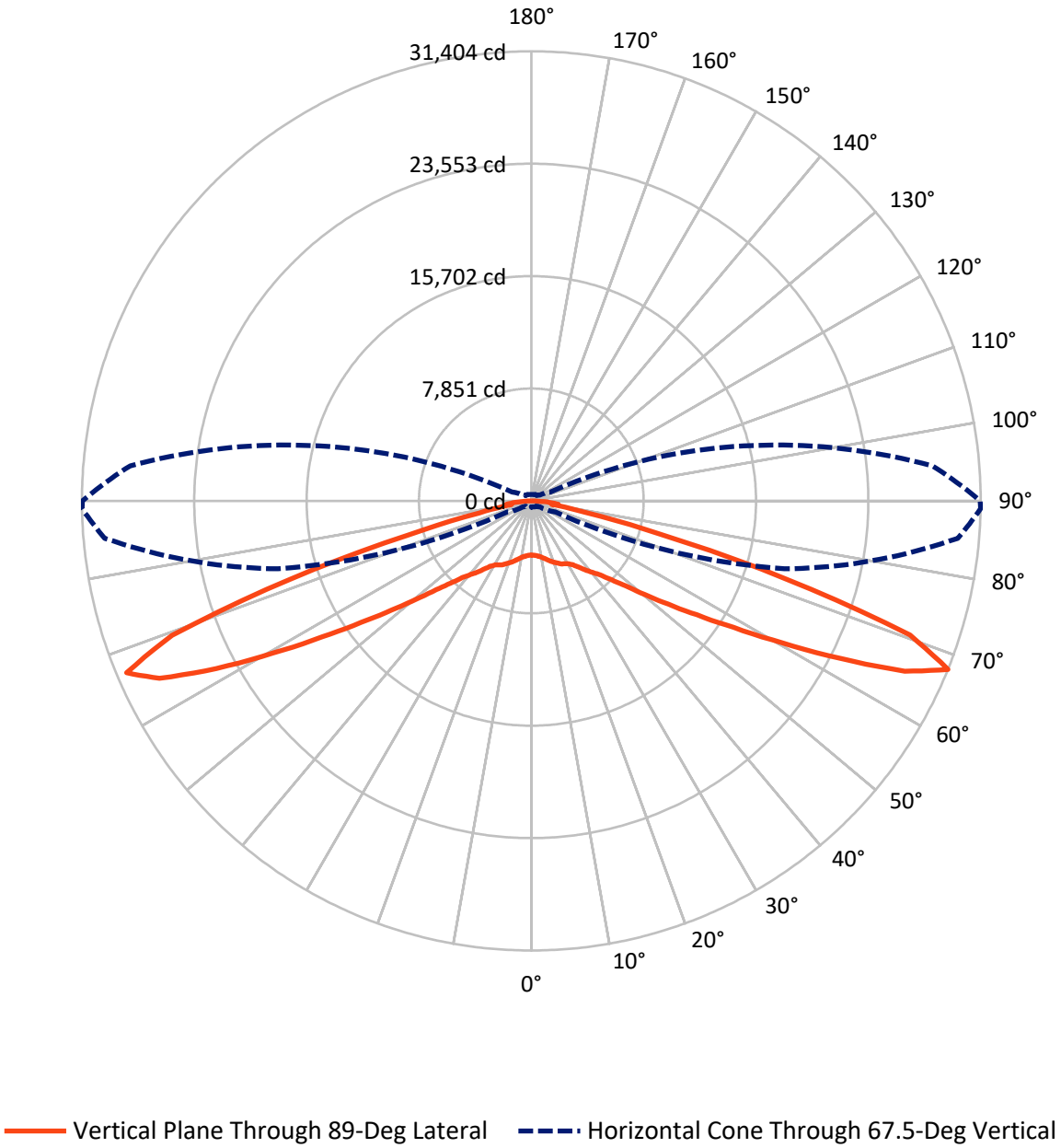
CATALOG NUMBER: GWS-SA6C-830-U-T1-W

Luminous Intensity Polar Plot



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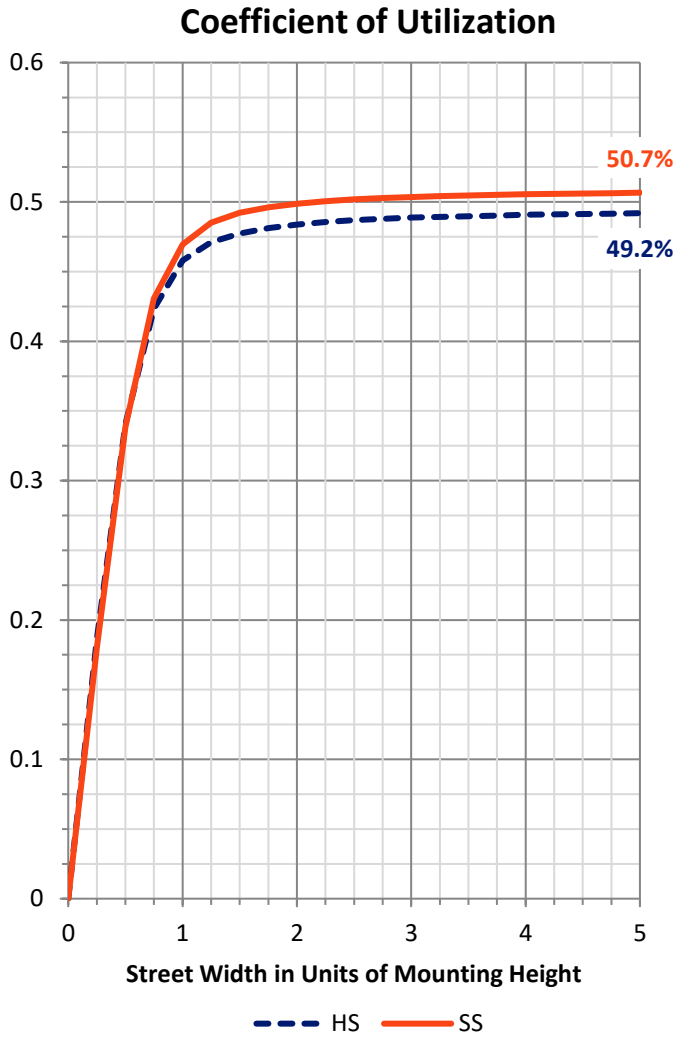
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11158.9	0.0	11158.9
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	11356.3	0.0	11356.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	22515.2	0.0	22515.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.1	1.7
10°-20°	1234.3	5.5
20°-30°	2086.5	9.3
30°-40°	2863.5	12.7
40°-50°	3651.5	16.2
50°-60°	4581.4	20.3
60°-70°	5525.6	24.5
70°-80°	1999.0	8.9
80°-90°	194.4	0.9
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°	22515.2	100.0
0°-180°	22515.2	100.0



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REPORT NUMBER: P642447
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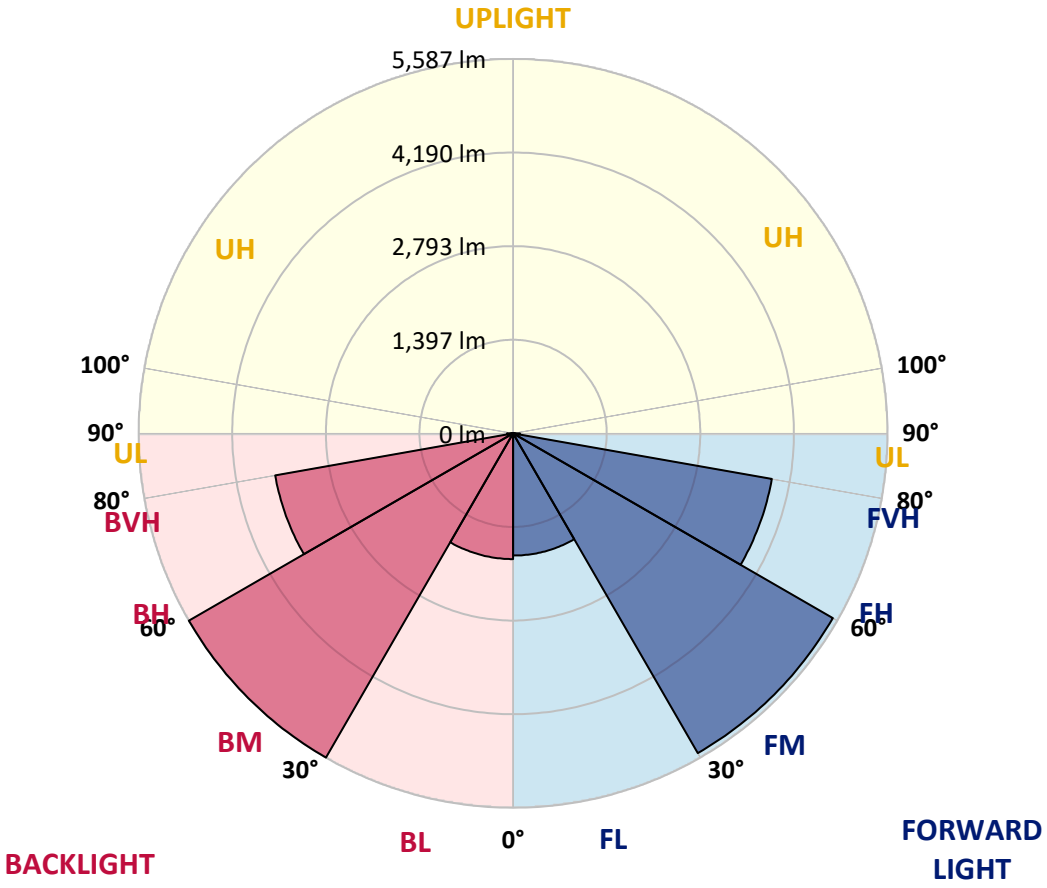
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1823.6	8.1			
FM	(30°-60°)	5509.9	24.5			
FH	(60°-80°)	3920.2	17.4			G2/5000
FVH	(80°-90°)	102.6	0.5			G2/225
BL	(0°-30°)	1876.3	8.3	B3/2500		
BM	(30°-60°)	5586.5	24.8	B4/8500		
BH	(60°-80°)	3604.3	16.0	B4/5000		G4/5000
BVH	(80°-90°)	91.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type I Medium



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REPORT NUMBER: P642447
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	*3779.0*
2.5°	3790.3	3787.1	3779.0	3803.3	3798.4	3800.0	3809.7	3803.3	3791.9	3772.5	*3800.0*
5°	3897.0	3895.4	3877.6	3892.2	3876.0	3864.7	3863.1	3846.9	3834.0	3813.0	*3842.1*
7.5°	4000.5	3998.9	3984.4	4010.2	3997.3	3984.4	3969.8	3937.5	3906.7	3876.0	*3908.4*
10°	4079.8	4078.1	4074.9	4112.1	4115.3	4120.2	4113.7	4058.7	4005.4	3968.2	*4000.5*
12.5°	4125.0	4129.9	4138.0	4205.9	4239.8	4272.2	4280.3	4235.0	4146.1	4092.7	*4131.5*
15°	4094.3	4104.0	4144.4	4267.3	4361.1	4433.9	4464.6	4427.4	4312.6	4223.7	*4267.3*
17.5°	3947.2	3955.3	4034.5	4222.1	4429.0	4597.2	4647.3	4624.7	4497.0	4388.6	*4430.7*
20°	3743.4	3761.2	3846.9	4108.9	4417.7	4710.4	4844.6	4836.5	4697.5	4530.9	*4581.0*
22.5°	3559.1	3580.1	3670.7	3960.1	4341.7	4739.5	5043.5	5064.5	4880.2	4673.2	*4713.6*
25°	3352.1	3371.5	3487.9	3783.8	4210.7	4716.9	5213.3	5308.7	5087.2	4836.5	*4873.7*
27.5°	3140.3	3154.8	3269.6	3585.0	4039.3	4674.8	5347.5	5577.1	5290.9	4949.7	*4975.6*
30°	2954.3	2973.7	3078.8	3386.1	3851.8	4590.7	5457.5	5863.3	5525.4	5077.5	*5098.5*
32.5°	2774.8	2791.0	2905.8	3190.4	3652.9	4461.4	5556.1	6199.7	5873.0	5315.2	*5315.2*
35°	2548.4	2577.5	2706.9	3002.8	3465.3	4290.0	5627.3	6591.0	6348.5	5666.1	*5667.7*
37.5°	2339.8	2356.0	2491.8	2791.0	3268.0	4095.9	5633.7	6996.9	6950.0	6112.4	*6115.6*
40°	2102.1	2123.2	2268.7	2564.6	3041.6	3892.2	5572.3	7375.3	7580.6	6571.6	*6553.8*
42.5°	1861.2	1891.9	2031.0	2320.4	2797.5	3643.2	5409.0	7735.9	8381.1	7103.6	*7059.9*
45°	1628.3	1647.8	1786.8	2060.1	2517.7	3345.6	5147.0	8081.9	9331.9	7912.1	*7849.1*
47.5°	1366.4	1374.5	1518.4	1780.3	2228.3	3014.1	4771.9	8390.8	10376.5	8982.6	*8874.3*
50°	1133.5	1144.9	1258.0	1482.8	1874.1	2621.2	4304.5	8571.9	11707.3	10442.8	*10255.2*
52.5°	916.9	928.2	1018.7	1198.2	1549.1	2173.3	3725.6	8529.8	13057.5	12255.5	*11982.2*
55°	740.6	748.7	810.1	950.8	1219.2	1728.6	3041.6	8153.1	14556.5	14622.8	*14034.2*
57.5°	625.8	629.0	671.1	756.8	952.4	1332.4	2347.9	7263.7	16128.2	17643.4	*16676.4*
60°	559.5	561.1	580.5	633.9	751.9	1017.1	1720.5	5847.2	17756.6	21422.4	*20096.4*
62.5°	517.4	517.4	533.6	564.3	624.2	782.6	1264.5	4199.4	18925.7	25534.5	*24216.6*
65°	477.0	477.0	488.3	514.2	546.6	638.7	949.2	2708.5	19499.7	28972.3	*28679.6*
67.5°	*425.3*	*426.9*	*435.0*	*462.5*	*491.6*	*533.6*	*719.6*	*1832.1*	*18308.0*	*29923.1*	*31404.3*
70°	376.8	378.4	389.7	407.5	431.7	460.9	562.7	1262.9	13325.9	24921.6	*28079.7*
72.5°	323.4	329.9	338.0	357.4	371.9	392.9	459.2	818.2	7753.7	16031.2	*18561.9*
75°	265.2	273.3	283.0	302.4	312.1	320.2	378.4	583.7	3730.5	8123.9	*9251.0*
77.5°	205.4	213.4	224.8	242.6	249.0	258.7	289.4	422.0	1786.8	3601.1	*3882.5*
80°	137.4	140.7	150.4	171.4	182.7	189.2	213.4	287.8	776.2	1445.6	*1432.7*
82.5°	84.1	85.7	88.9	101.9	106.7	113.2	139.1	176.3	370.3	1642.9	*1883.8*
85°	30.7	29.1	27.5	35.6	42.0	48.5	64.7	88.9	161.7	1128.7	*1262.9*
87.5°	0.0	0.0	0.0	1.6	3.2	3.2	6.5	12.9	38.8	422.0	*289.4*
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: P642447
CATALOG NUMBER: GWS-SA6C-830-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0	3779.0
2.5°	3791.9	3774.1	3796.8	3813.0	3848.5	3861.5	3864.7	3853.4	3853.4	3834.0	3837.2
5°	3835.6	3824.3	3861.5	3889.0	3940.7	3960.1	3973.0	3965.0	3969.8	3956.9	3960.1
7.5°	3901.9	3892.2	3956.9	4010.2	4063.6	4086.2	4097.5	4091.1	4092.7	4076.5	4081.4
10°	3994.1	3997.3	4074.9	4144.4	4215.6	4238.2	4243.1	4223.7	4207.5	4178.4	4180.0
12.5°	4120.2	4136.4	4246.3	4323.9	4396.7	4429.0	4393.5	4322.3	4256.0	4205.9	4199.4
15°	4257.6	4286.7	4445.2	4543.8	4623.1	4606.9	4501.8	4341.7	4210.7	4136.4	4121.8
17.5°	4422.6	4466.2	4665.1	4783.2	4851.1	4747.6	4527.7	4288.4	4105.6	4005.4	3986.0
20°	4577.8	4647.3	4898.0	5051.6	5059.7	4826.8	4516.4	4180.0	3950.4	3827.5	3801.6
22.5°	4720.1	4809.0	5142.1	5337.8	5232.7	4862.4	4446.8	4026.4	3762.8	3618.9	3596.3
25°	4875.3	5001.5	5426.7	5609.5	5405.7	4847.9	4301.3	3835.6	3536.4	3389.3	3373.1
27.5°	4982.1	5140.5	5713.0	5887.6	5548.0	4765.4	4113.7	3627.0	3329.5	3190.4	3167.8
30°	5105.0	5307.1	6028.3	6190.0	5635.3	4644.1	3913.2	3433.0	3137.0	2986.7	2970.5
32.5°	5328.1	5582.0	6419.6	6510.2	5662.8	4493.7	3720.8	3245.4	2936.5	2786.1	2763.5
35°	5687.1	5984.6	6969.4	6867.5	5641.8	4328.8	3538.1	3025.5	2731.2	2590.5	2567.8
37.5°	6139.9	6510.2	7582.2	7189.3	5583.6	4147.7	3321.4	2841.1	2546.8	2404.5	2391.6
40°	6561.9	7017.9	8269.5	7467.4	5465.6	3924.5	3112.8	2648.7	2347.9	2197.5	2168.4
42.5°	7090.7	7697.1	9065.1	7708.4	5271.5	3657.7	2878.3	2411.0	2098.9	1963.1	1927.5
45°	7894.3	8647.9	9990.0	7939.6	4982.1	3329.5	2584.0	2121.5	1825.6	1686.6	1659.1
47.5°	8896.9	9836.4	10992.6	8077.1	4542.2	2983.4	2250.9	1815.9	1520.0	1363.2	1350.2
50°	10305.3	11565.0	12067.9	8052.8	4050.7	2572.7	1875.8	1452.1	1204.7	1091.5	1073.7
52.5°	12021.0	13735.0	13230.5	7761.7	3528.4	2105.4	1461.8	1140.0	955.7	874.8	860.3
55°	14173.3	16333.6	14454.6	7137.6	2868.6	1612.2	1148.1	899.1	772.9	724.4	718.0
57.5°	16838.1	19698.6	15633.4	6086.5	2157.1	1230.6	884.5	742.2	682.4	653.3	651.7
60°	20355.2	23270.7	16657.0	4729.8	1544.3	941.1	730.9	663.0	616.1	596.7	595.1
62.5°	24536.8	26514.4	17294.1	3221.1	1161.0	750.3	643.6	601.5	574.0	562.7	561.1
65°	28834.8	28564.8	16990.1	2110.2	881.3	637.1	577.3	554.6	530.4	519.1	519.1
67.5°	*31373.6*	*28131.4*	*14656.7*	*1465.0*	*698.6*	*559.5*	*520.7*	*499.7*	*459.2*	*449.5*	*449.5*
70°	27788.6	22795.2	9606.8	1072.1	566.0	490.0	452.8	423.7	407.5	397.8	396.2
72.5°	18379.1	14833.0	5108.2	743.8	472.2	417.2	383.2	371.9	352.5	342.8	341.2
75°	9147.5	7790.8	2618.0	536.9	392.9	334.7	320.2	315.3	299.2	286.2	283.0
77.5°	3813.0	3468.5	1220.9	389.7	299.2	270.0	257.1	257.1	239.3	224.8	218.3
80°	1437.5	1280.7	577.3	266.8	221.5	200.5	192.4	186.0	171.4	153.6	143.9
82.5°	1922.6	1256.4	283.0	166.6	145.5	129.4	118.0	113.2	105.1	97.0	90.6
85°	1245.1	892.6	127.7	85.7	72.8	55.0	48.5	45.3	40.4	35.6	32.3
87.5°	253.9	299.2	38.8	16.2	9.7	4.9	4.9	1.6	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

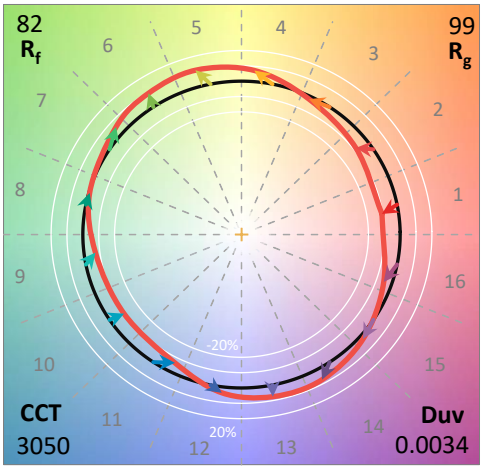
Test Information

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

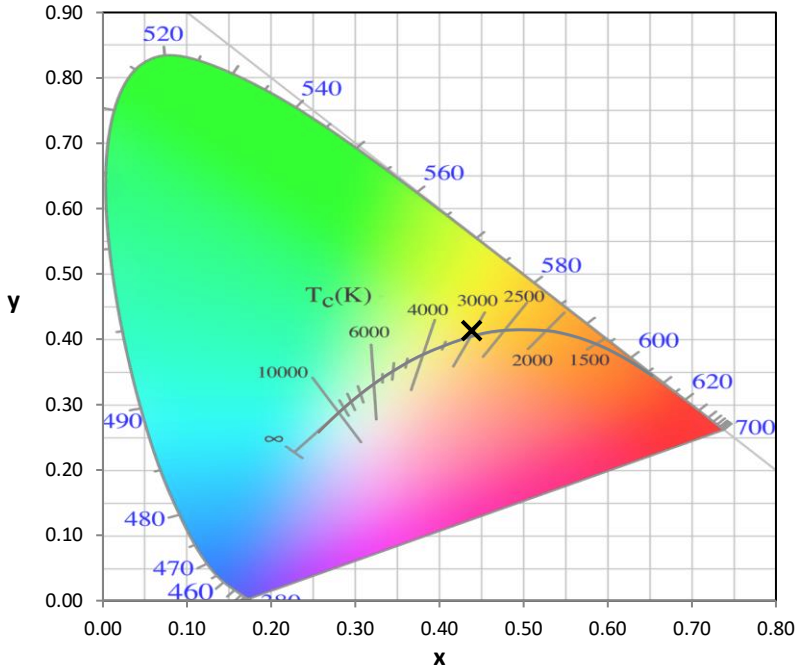
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

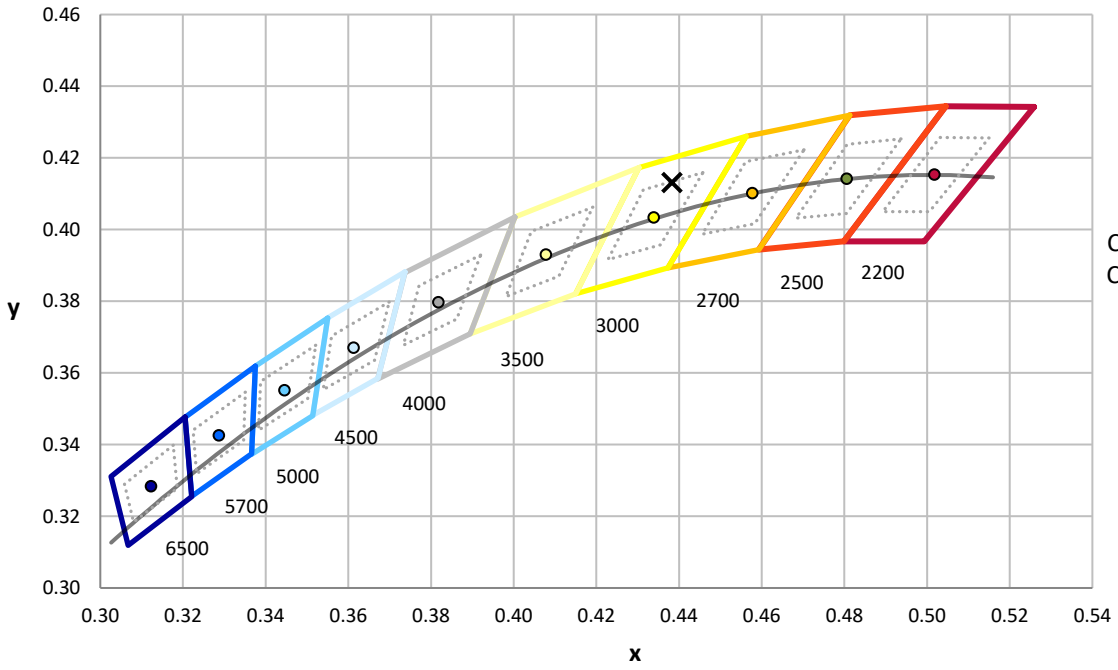
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

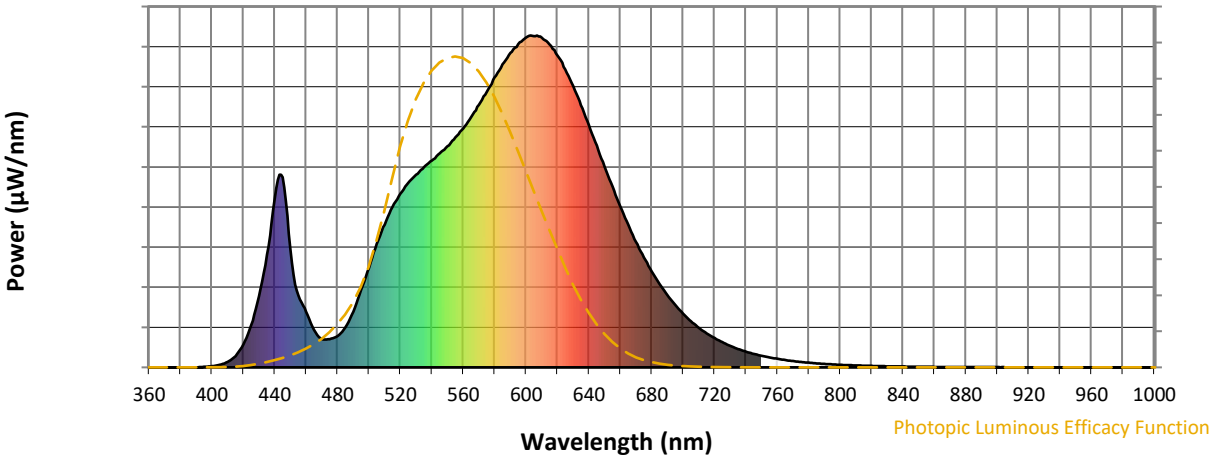


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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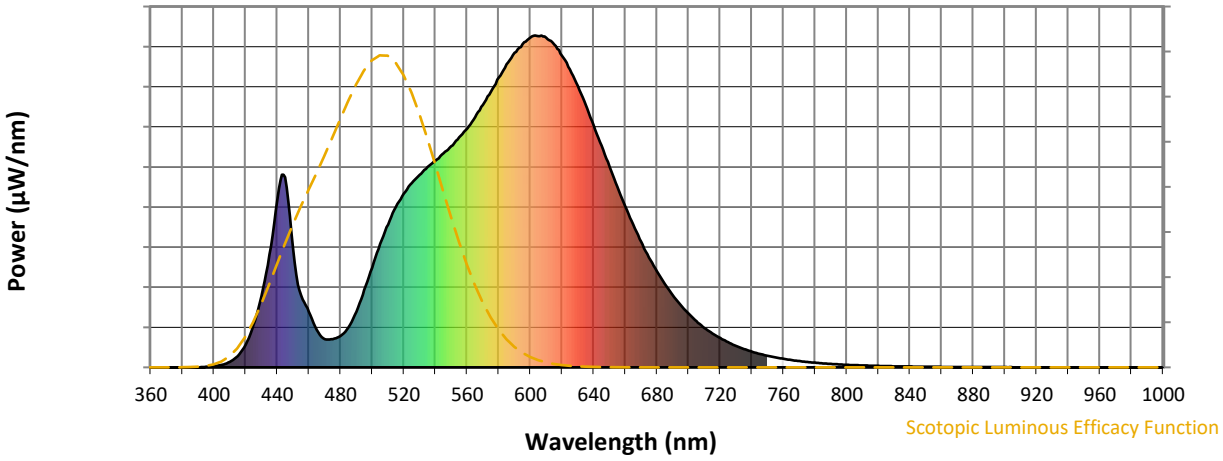
Scotopic Flux vs. Wavelength



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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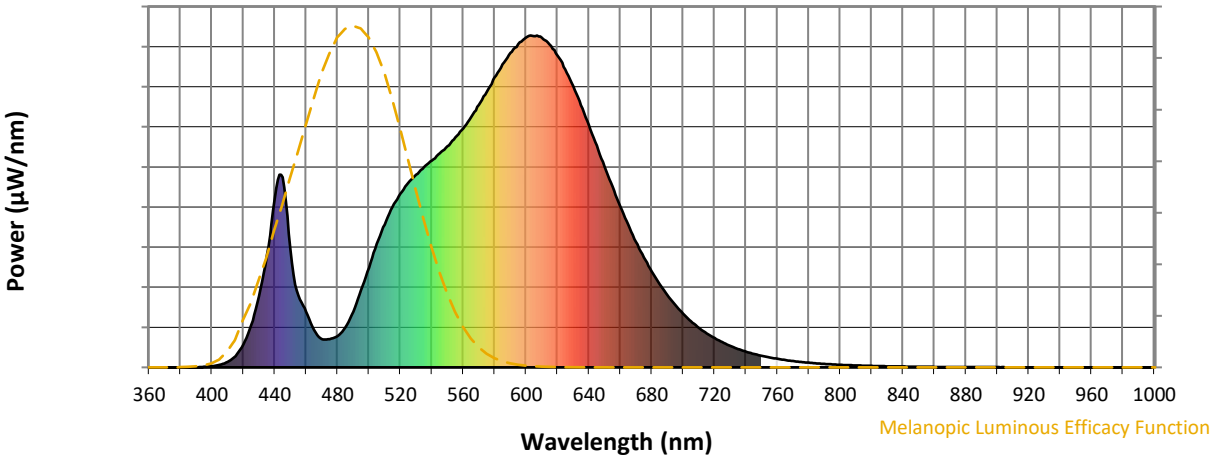
Melanopic Flux vs. Wavelength



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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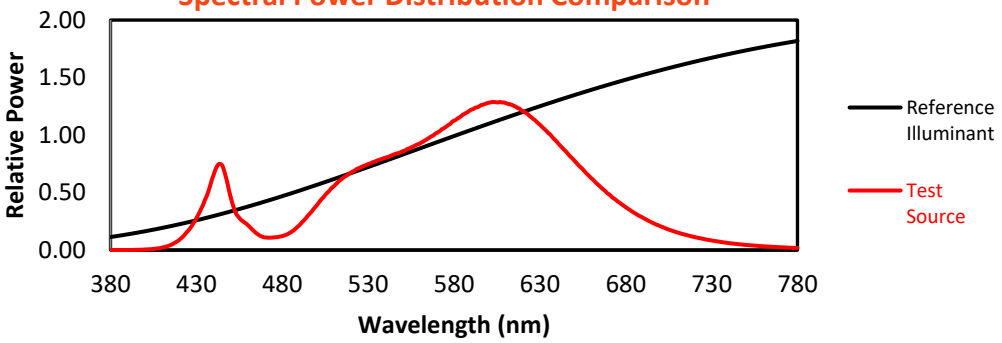
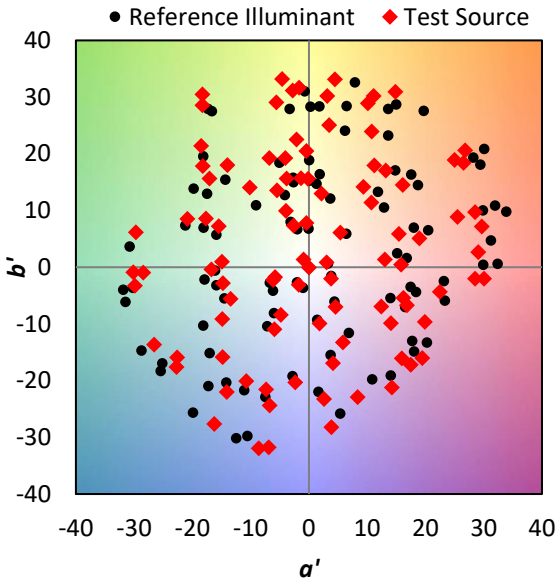
Summary

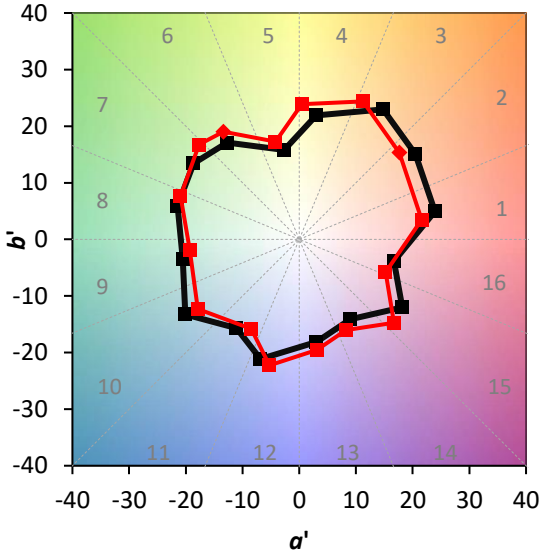
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

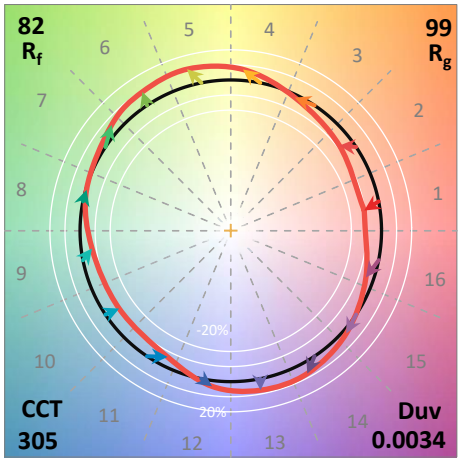
Spectral Power Distribution Comparison

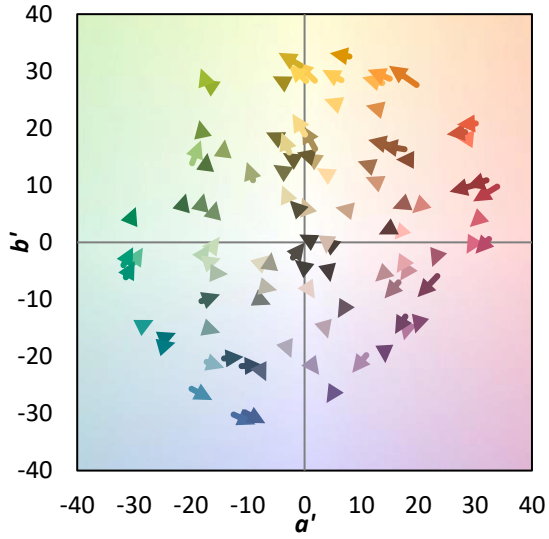


Color Vector Graphics









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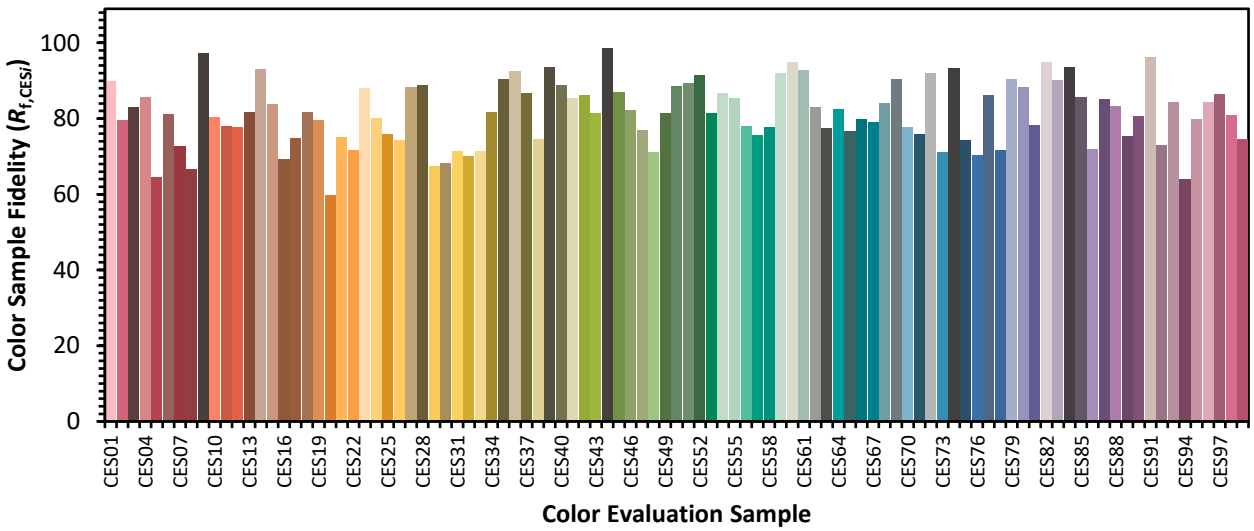
Individual Sample Fidelity Index ($R_{f,i}$)

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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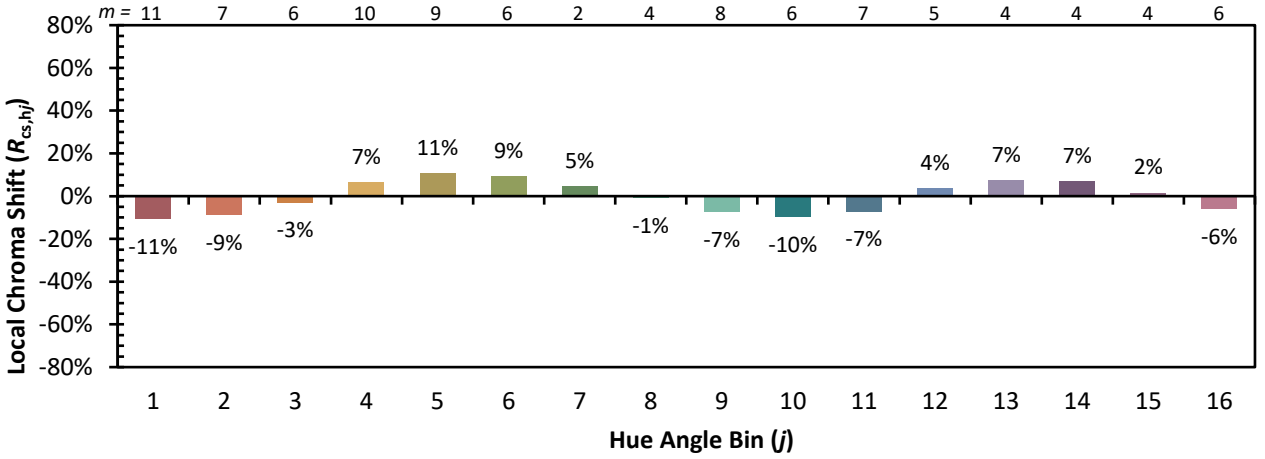
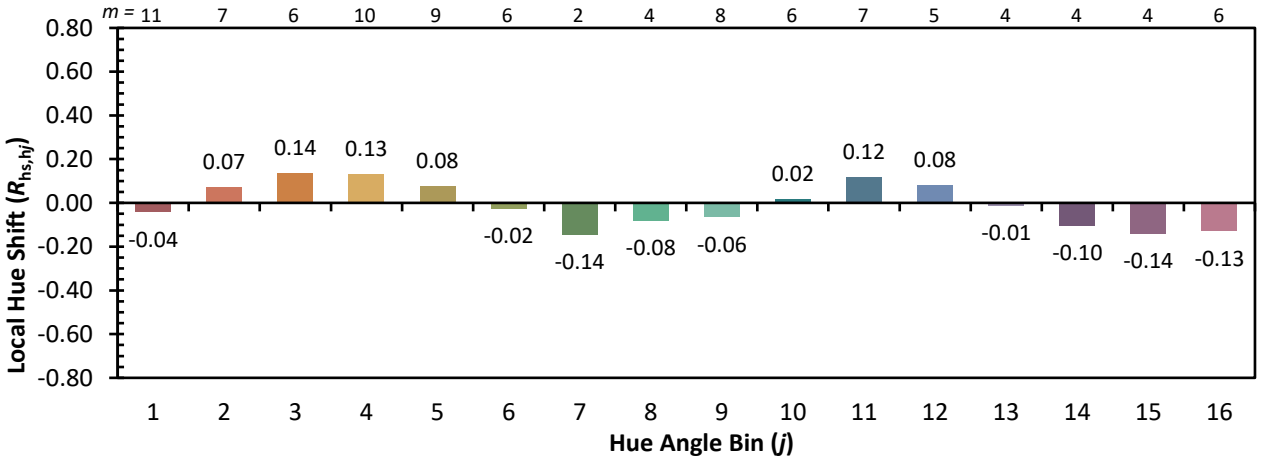
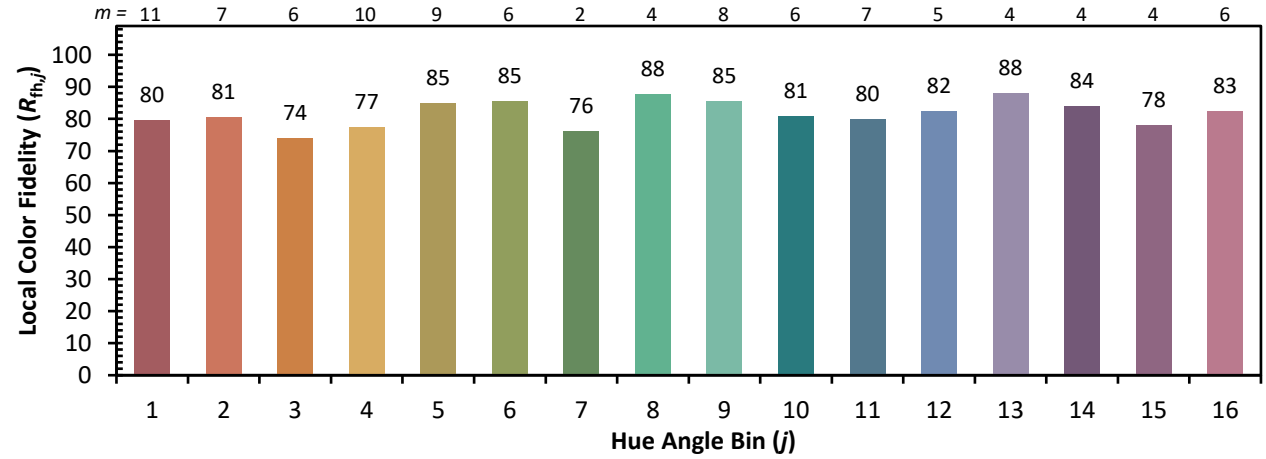
Color Rendition by Hue-Angle Bin







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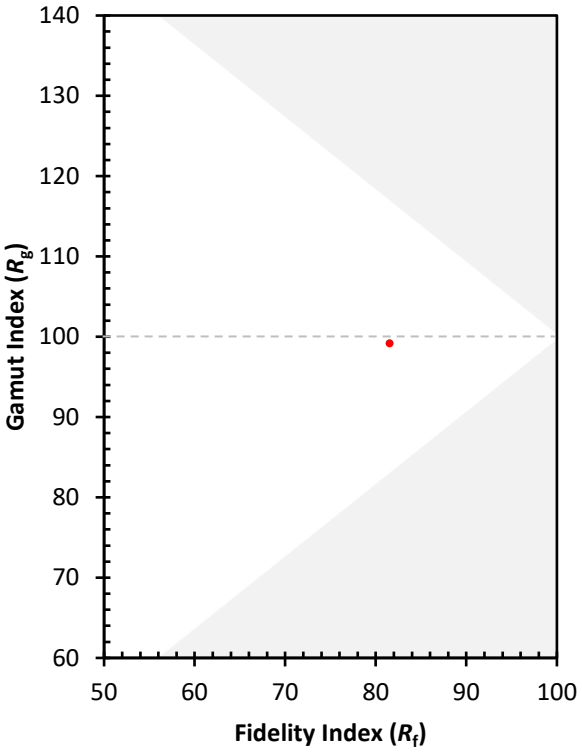
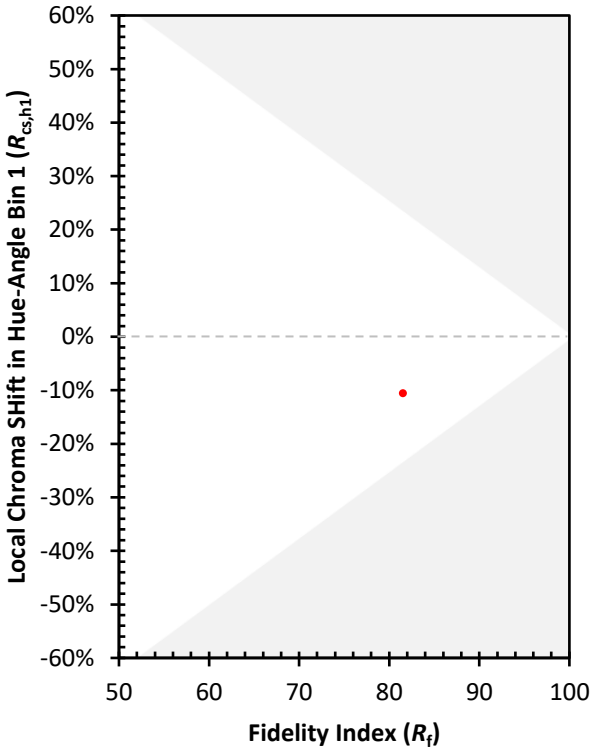
Measure Comparisons





(END OF REPORT)