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: P642432

Luminaire Tested: GWS-SA6C-830-U-SL2-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:	P642432
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-SL2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22165.9 lumens
Efficiency:	N/A
Efficacy:	117.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - 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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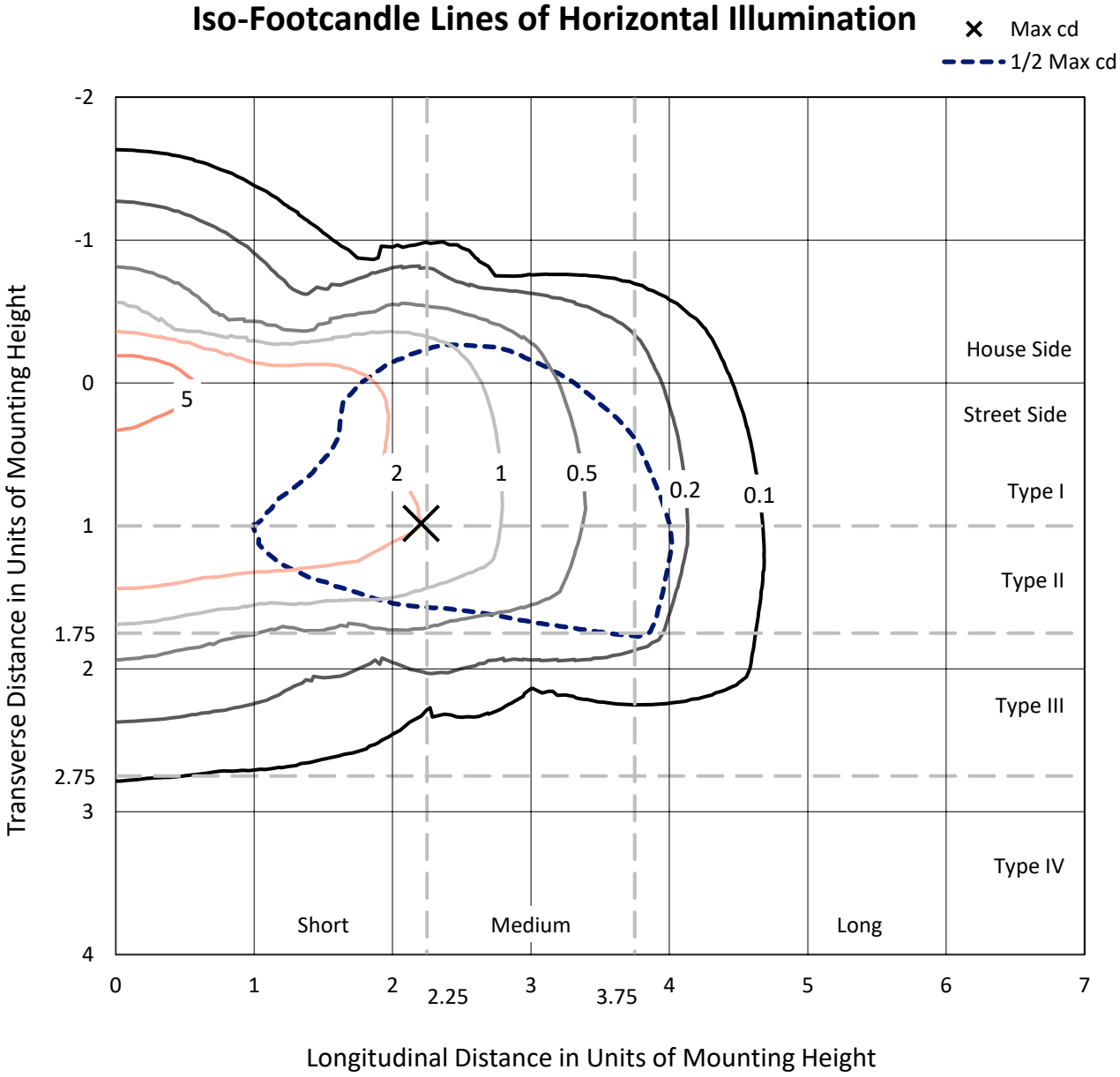
REPORT NUMBER: P642432
CATALOG NUMBER: GWS-SA6C-830-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
Type II - Short - N/A

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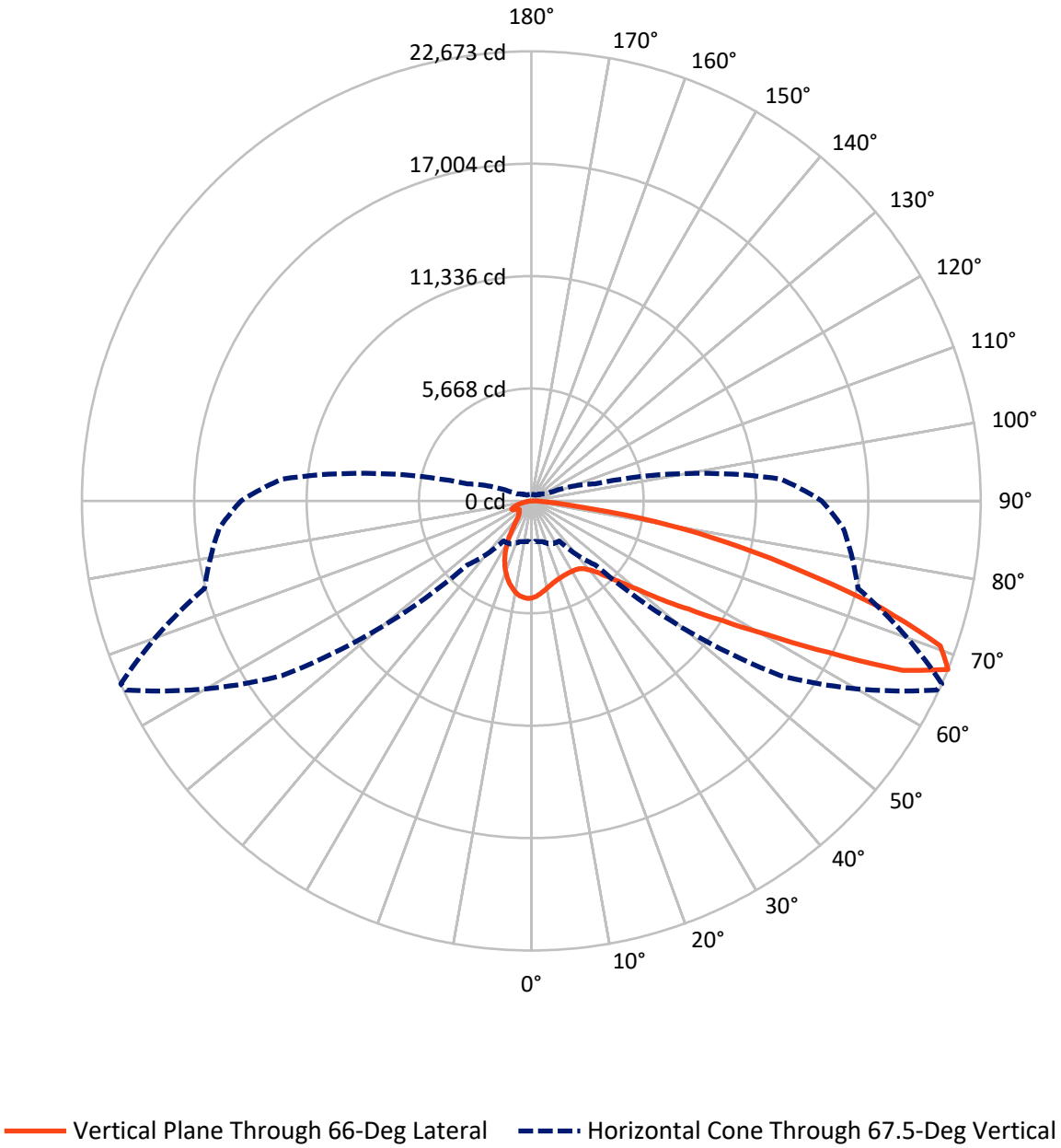
Luminous Intensity Polar Plot



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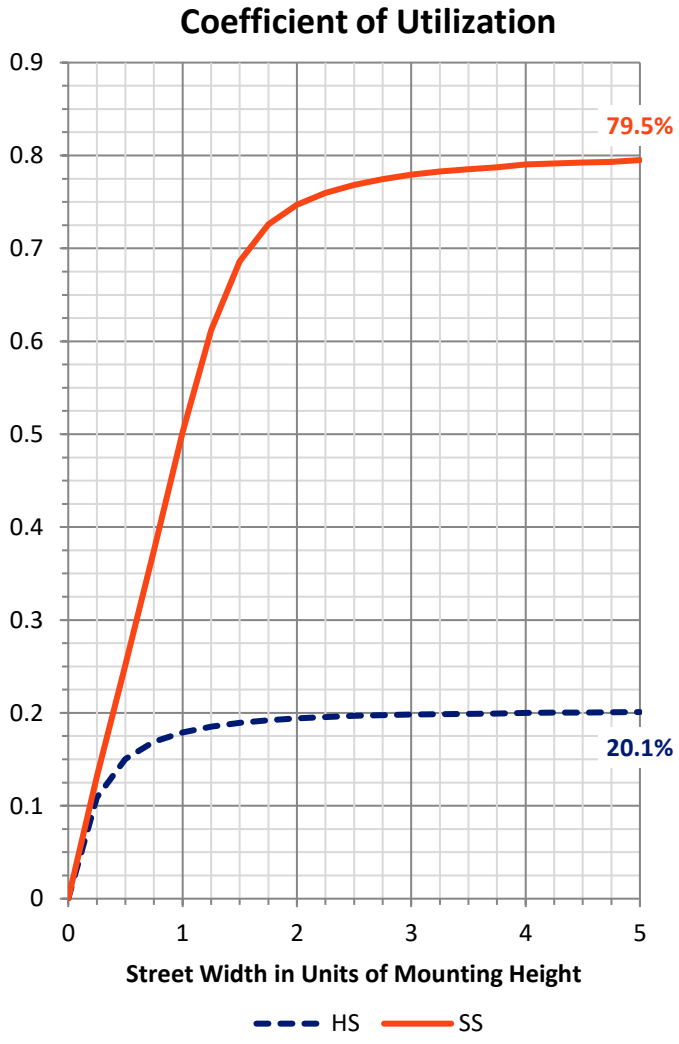
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4498.0	0.0	4498.0
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	17667.9	0.0	17667.9
	% Fixture	79.7	0.0	79.7
Total	Lumens	22165.9	0.0	22165.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.9	1.9
10°-20°	1056.4	4.8
20°-30°	1452.1	6.6
30°-40°	1985.3	9.0
40°-50°	3008.2	13.6
50°-60°	4676.4	21.1
60°-70°	5693.4	25.7
70°-80°	3468.1	15.6
80°-90°	396.1	1.8
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°	22165.9	100.0
0°-180°	22165.9	100.0



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REPORT NUMBER: P642432
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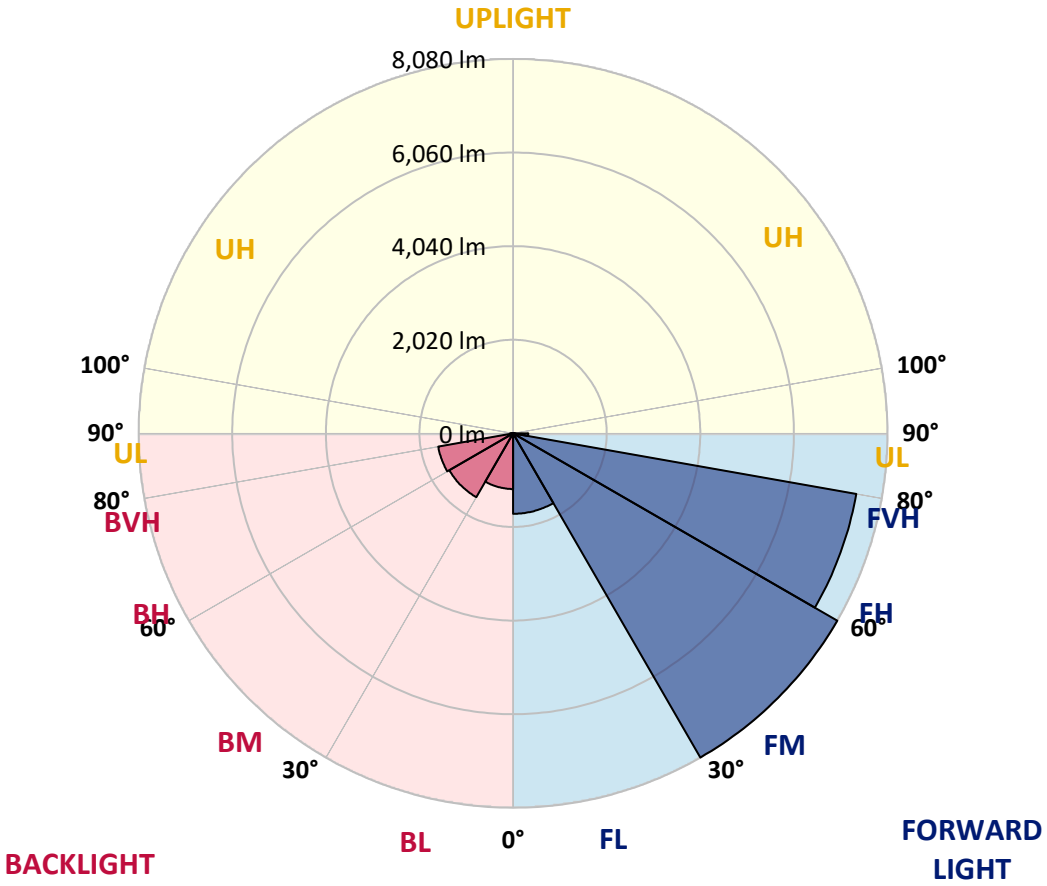
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1736.8	7.8			
FM	(30°-60°)	8080.3	36.5			
FH	(60°-80°)	7521.4	33.9			G4/12000
FVH	(80°-90°)	329.4	1.5			G3/500
BL	(0°-30°)	1201.6	5.4	B3/2500		
BM	(30°-60°)	1589.5	7.2	B2/2500		
BH	(60°-80°)	1640.0	7.4	B3/2500		G3/2500
BVH	(80°-90°)	66.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type II Short



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Scaled Data Report

REPORT NUMBER: P642432
CATALOG NUMBER: GWS-SA6C-830-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4898.0	4898.0	4898.0	4898.0	4898.0	4898.0	4898.0	4898.0	*4898.0*	4898.0	4898.0
2.5°	4587.6	4603.7	4594.0	4655.5	4658.7	4736.3	4780.0	4817.2	*4820.4*	4868.9	4901.3
5°	4273.9	4283.6	4283.6	4341.8	4380.6	4484.1	4584.3	4691.1	*4699.1*	4815.6	4904.5
7.5°	4020.0	4029.7	4023.2	4100.8	4151.0	4265.8	4393.5	4556.8	*4573.0*	4760.6	4915.8
10°	3821.1	3817.8	3834.0	3905.2	3969.8	4107.3	4249.6	4435.6	*4459.8*	4697.5	4928.8
12.5°	3685.2	3688.5	3698.2	3772.6	3842.1	3977.9	4125.1	4327.2	*4353.1*	4624.8	4922.3
15°	3620.6	3614.1	3622.2	3690.1	3756.4	3876.1	4028.1	4236.7	*4262.5*	4560.1	4923.9
17.5°	3606.0	3601.2	3599.5	3648.1	3698.2	3809.8	3955.3	4167.1	*4194.6*	4518.0	4933.6
20°	3651.3	3644.8	3627.0	3648.1	3669.1	3762.9	3903.6	4117.0	*4147.7*	4490.5	4953.0
22.5°	3775.8	3764.5	3737.0	3711.1	3683.6	3740.2	3871.2	4079.8	*4110.5*	4472.8	4972.4
25°	3965.0	3955.3	3926.2	3868.0	3767.7	3758.0	3864.7	4063.6	*4094.4*	4459.8	4980.5
27.5°	4225.3	4210.8	4181.7	4097.6	3934.3	3824.3	3889.0	4062.0	*4091.1*	4445.3	4972.4
30°	4534.2	4524.5	4508.3	4406.5	4188.2	3965.0	3944.0	4075.0	*4097.6*	4437.2	4956.2
32.5°	4847.9	4838.2	4851.1	4802.6	4534.2	4197.9	4063.6	4110.5	*4126.7*	4435.6	4941.7
35°	5124.4	5135.7	5229.5	5237.6	4974.0	4513.2	4252.8	4193.0	*4196.2*	4467.9	4948.2
37.5°	5413.9	5457.5	5580.4	5685.5	5465.6	4930.4	4534.2	4348.2	*4345.0*	4550.4	4988.6
40°	5797.1	5816.5	5973.4	6170.7	6033.2	5502.8	4933.6	4602.1	*4579.5*	4718.5	5096.9
42.5°	6170.7	6217.5	6468.2	6694.6	6649.3	6148.0	5436.5	4982.1	*4941.7*	5016.1	5320.1
45°	6646.1	6691.3	6972.7	7263.8	7346.2	6877.3	6080.1	5522.2	*5481.8*	5464.0	5729.2
47.5°	7121.5	7168.4	7420.6	7841.1	8130.5	7789.3	6917.7	6235.3	*6169.0*	6099.5	6346.9
50°	7441.6	7496.6	7737.6	8242.1	8921.2	8927.7	7910.6	7170.0	*7085.9*	6975.9	7216.9
52.5°	7430.3	7465.9	7695.5	8277.7	9490.4	10235.9	9239.8	8360.1	*8292.2*	8052.9	8263.1
55°	6846.6	6899.9	7131.2	7858.8	9551.9	11476.2	11193.2	9763.7	*9642.4*	9213.9	9445.2
57.5°	5674.2	5719.5	5952.3	6849.8	9007.0	12111.7	13673.7	11552.2	*11385.6*	10478.5	10745.3
60°	4283.6	4228.6	4338.5	5124.4	7703.6	12127.9	15863.2	13977.8	*13699.6*	11830.3	12053.5
62.5°	3214.7	3159.7	3184.0	3405.5	5223.1	11147.9	17111.6	17295.9	*16836.7*	13356.8	13313.1
65°	2540.4	2509.7	2579.2	2731.2	3044.9	8489.5	17121.3	20884.2	*20594.7*	15125.9	14605.2
67.5°	*2069.8*	*2050.4*	*2121.6*	*2402.9*	*2469.2*	*4561.7*	*15352.2*	*22559.4*	*22672.6*	*17063.1*	*15803.4*
70°	1667.2	1638.1	1749.6	2119.9	2296.2	2760.3	10997.5	21705.6	*21888.3*	18217.6	15465.4
72.5°	1151.3	1153.0	1209.6	1717.3	2217.0	2383.5	6220.8	18073.7	*18469.9*	17171.4	13596.1
75°	776.2	782.7	798.8	1133.5	2042.3	2312.4	3314.9	13683.4	*13963.2*	14192.8	11238.5
77.5°	468.9	472.2	509.4	685.6	1408.4	2158.8	2246.1	9919.0	*10138.9*	9356.2	6966.2
80°	271.7	283.0	316.9	459.2	950.8	1621.9	1738.3	6081.7	*6330.7*	4159.0	2213.7
82.5°	119.7	127.7	173.0	266.8	554.6	1379.3	1356.7	2402.9	*2367.4*	1159.4	768.1
85°	21.0	25.9	37.2	84.1	203.7	727.7	1052.7	1060.8	*997.7*	439.8	318.6
87.5°	0.0	0.0	0.0	0.0	0.0	4.9	158.5	284.6	*283.0*	124.5	110.0
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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REPORT NUMBER: P642432
CATALOG NUMBER: GWS-SA6C-830-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4898.0	4898.0	4898.0	4898.0	4898.0	4898.0	4898.0	4898.0	4898.0	4898.0	4898.0
2.5°	4922.3	4878.6	4917.4	4922.3	4914.2	4907.7	4859.2	4817.2	4812.3	4767.1	4767.1
5°	4940.1	4899.7	4919.1	4881.9	4823.7	4763.8	4660.3	4589.2	4556.8	4498.6	4498.6
7.5°	4964.3	4922.3	4899.7	4807.5	4671.6	4540.7	4374.1	4235.0	4178.4	4096.0	4092.7
10°	4987.0	4933.6	4856.0	4676.5	4459.8	4251.2	4008.7	3811.4	3677.2	3578.5	3578.5
12.5°	4985.4	4915.8	4762.2	4497.0	4197.9	3895.5	3572.1	3274.5	3096.6	2943.0	2933.3
15°	4982.1	4886.7	4642.5	4288.4	3892.2	3473.4	3033.6	2645.5	2381.9	2231.5	2218.6
17.5°	4978.9	4849.5	4508.3	4050.7	3520.3	2949.5	2369.0	1948.5	1728.6	1636.5	1639.7
20°	4978.9	4807.5	4364.4	3777.4	3091.8	2322.1	1738.3	1432.7	1377.7	1382.6	1387.4
22.5°	4964.3	4755.7	4204.3	3479.9	2614.8	1707.6	1282.3	1178.8	1207.9	1253.2	1259.7
25°	4930.4	4670.0	4018.4	3150.0	2047.2	1243.5	1046.2	1026.8	1080.2	1136.8	1153.0
27.5°	4877.0	4571.4	3809.8	2763.5	1507.1	999.3	920.1	918.5	960.5	1002.6	1017.1
30°	4820.4	4461.4	3589.8	2333.4	1091.5	870.0	839.2	839.2	860.3	886.1	882.9
32.5°	4754.1	4349.9	3353.8	1885.5	889.4	797.2	787.5	782.7	785.9	795.6	795.6
35°	4697.5	4251.2	3111.2	1411.7	797.2	756.8	747.1	735.8	730.9	724.4	727.7
37.5°	4676.5	4173.6	2860.6	1064.0	751.9	727.7	711.5	695.3	684.0	680.8	679.2
40°	4710.5	4141.3	2609.9	876.4	719.6	696.9	679.2	658.1	648.4	648.4	648.4
42.5°	4843.1	4165.5	2354.4	792.4	696.9	671.1	645.2	625.8	622.6	625.8	627.4
45°	5085.6	4259.3	2089.2	750.3	677.5	645.2	614.5	599.9	599.9	603.2	603.2
47.5°	5519.0	4505.1	1827.3	724.4	658.1	624.2	591.8	577.3	575.7	578.9	578.9
50°	6269.3	4948.2	1591.2	706.6	643.6	608.0	575.7	556.3	551.4	549.8	549.8
52.5°	7215.3	5716.3	1440.8	693.7	625.8	590.2	557.9	532.0	522.3	517.5	517.5
55°	8358.5	6739.9	1440.8	684.0	603.2	569.2	532.0	506.1	491.6	485.1	485.1
57.5°	9653.8	7931.6	1689.8	675.9	585.4	544.9	504.5	478.6	462.5	452.8	452.8
60°	10971.7	9191.3	2305.9	664.6	569.2	514.2	473.8	449.5	428.5	417.2	415.6
62.5°	12338.1	10578.7	3117.7	671.1	557.9	485.1	441.5	414.0	396.2	384.9	383.2
65°	13589.7	11899.8	3827.5	721.2	559.5	459.2	404.3	380.0	365.5	350.9	349.3
67.5°	*14652.1*	*12629.1*	*3329.5*	*823.1*	*593.5*	*428.5*	*367.1*	*342.8*	*329.9*	*320.2*	*318.6*
70°	13908.2	11516.6	1888.7	886.1	640.4	396.2	325.0	308.9	295.9	289.5	287.8
72.5°	11893.4	9750.8	1262.9	782.7	583.8	354.1	286.2	273.3	263.6	255.5	253.9
75°	9634.4	7732.7	965.4	642.0	454.4	287.8	245.8	236.1	226.4	218.3	216.7
77.5°	5700.1	4467.9	711.5	507.8	320.2	224.8	203.7	195.7	186.0	179.5	177.9
80°	1819.2	1552.4	451.2	349.3	211.8	173.0	156.9	150.4	140.7	132.6	131.0
82.5°	693.7	599.9	239.3	177.9	140.7	118.0	105.1	98.6	92.2	84.1	82.5
85°	307.2	287.8	132.6	95.4	76.0	58.2	51.7	48.5	40.4	34.0	32.3
87.5°	108.3	108.3	56.6	27.5	16.2	8.1	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

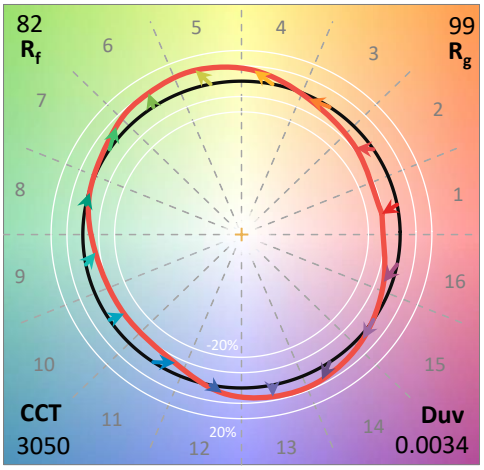
Test Information

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

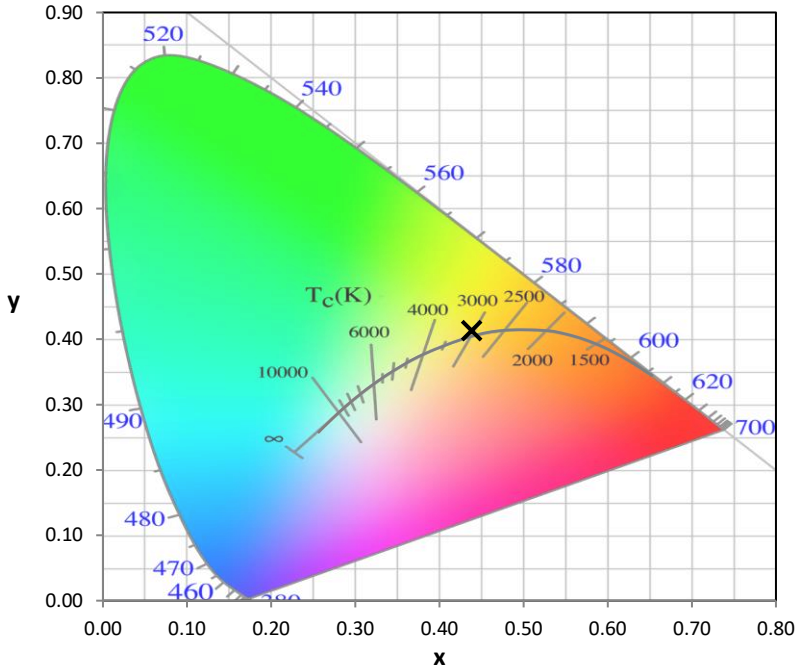
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

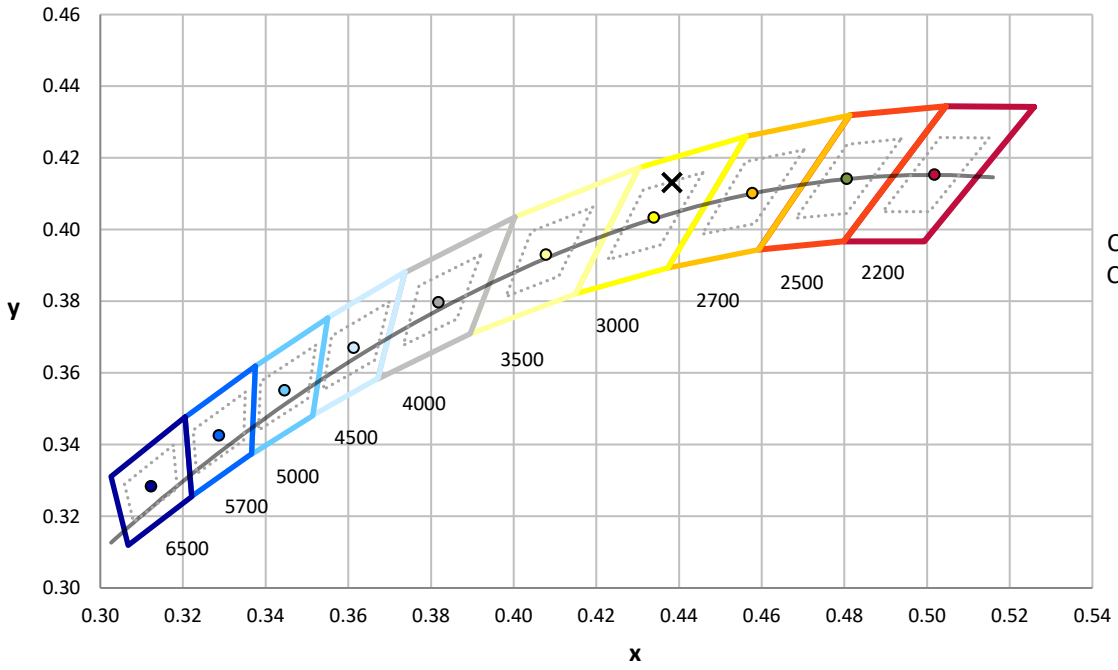
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

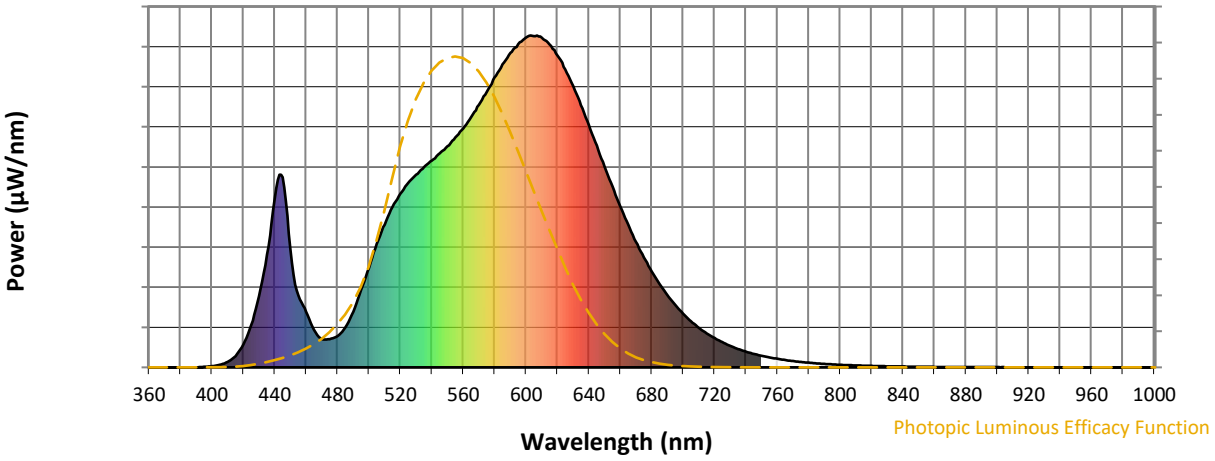


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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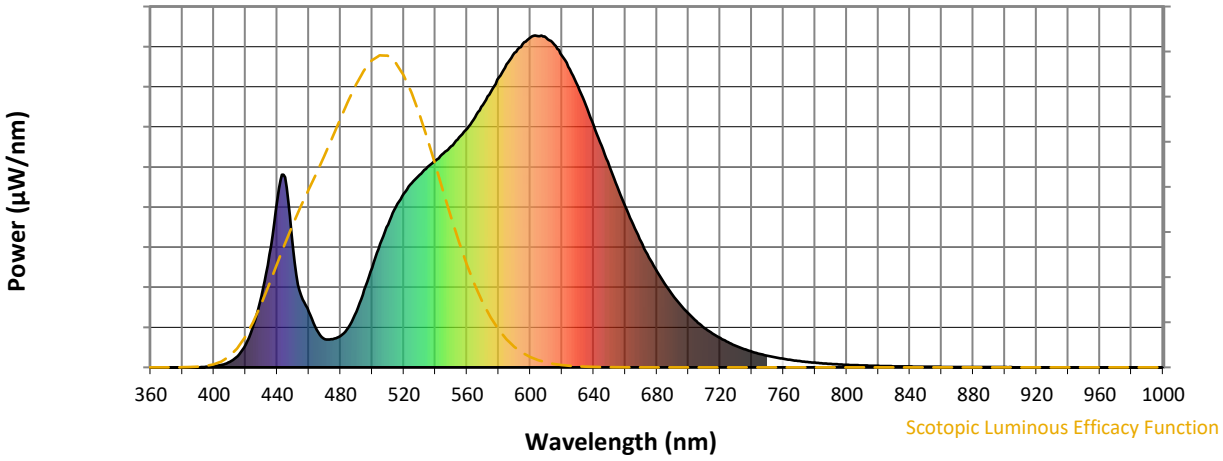
Scotopic Flux vs. Wavelength



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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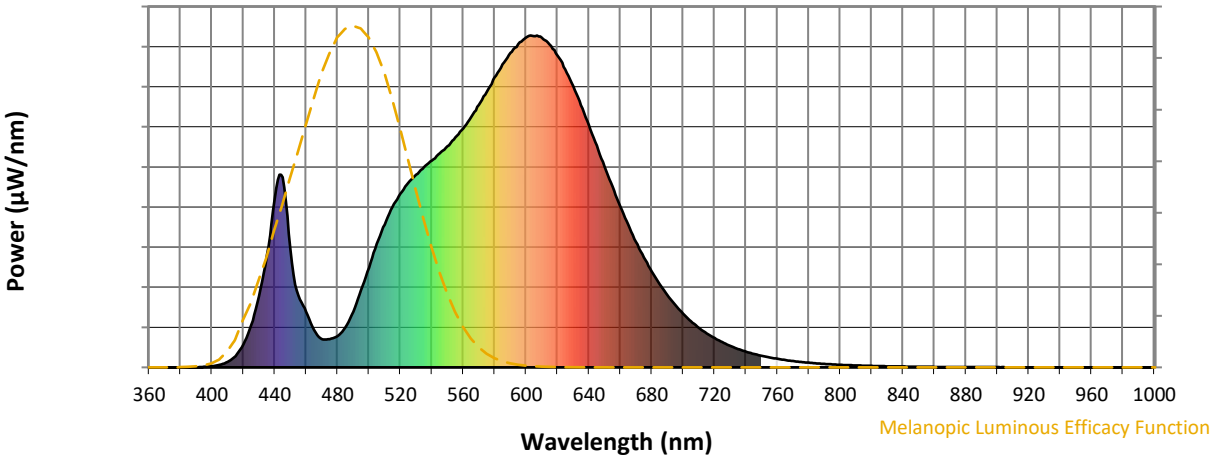
Melanopic Flux vs. Wavelength



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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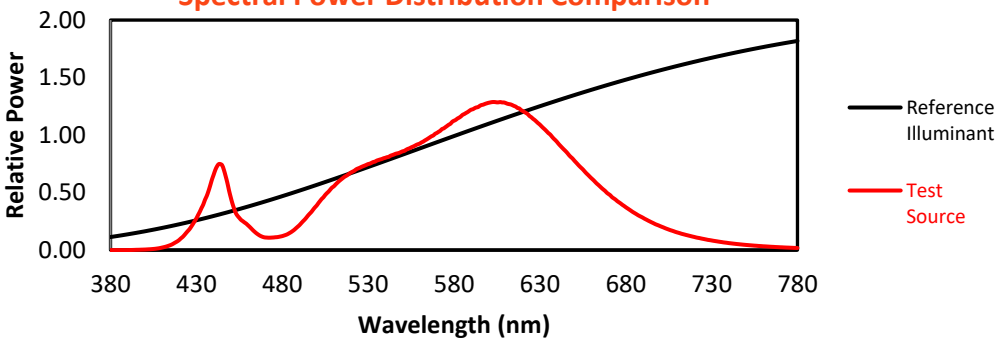
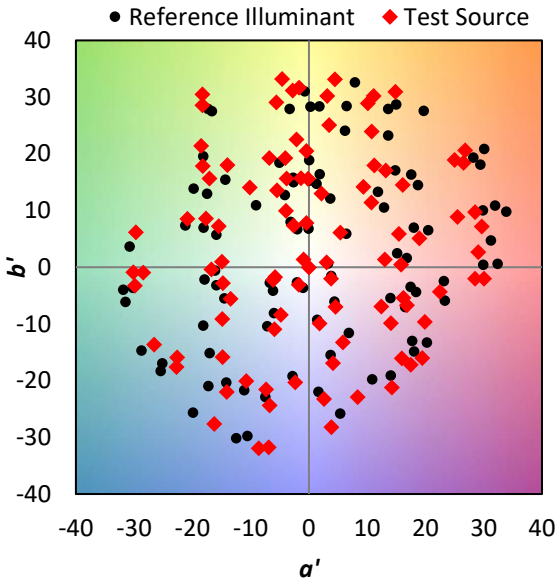
Summary

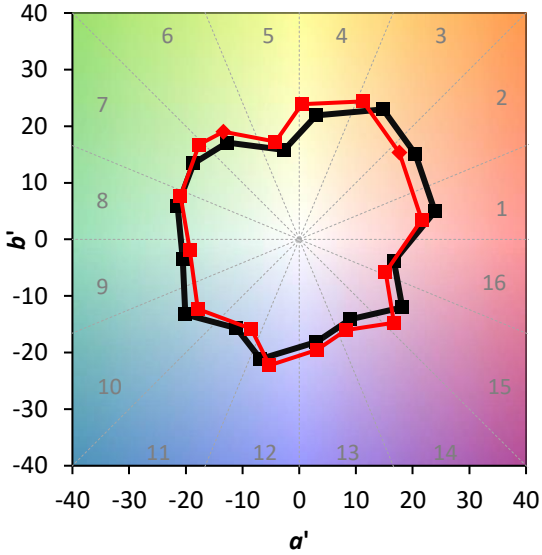
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

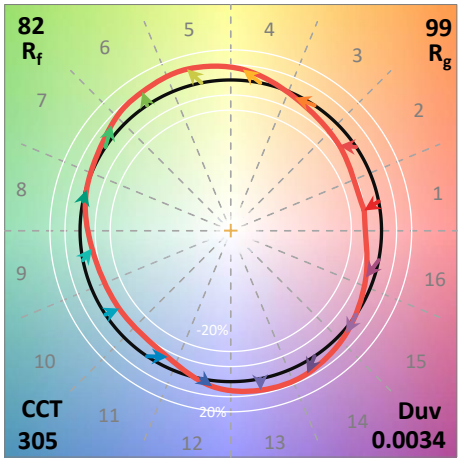
Spectral Power Distribution Comparison

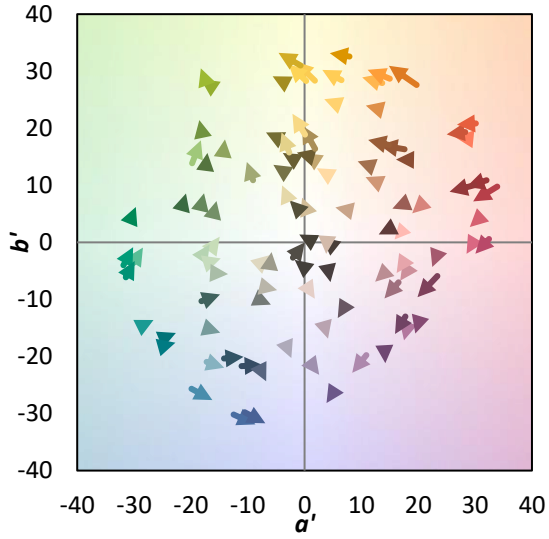


Color Vector Graphics









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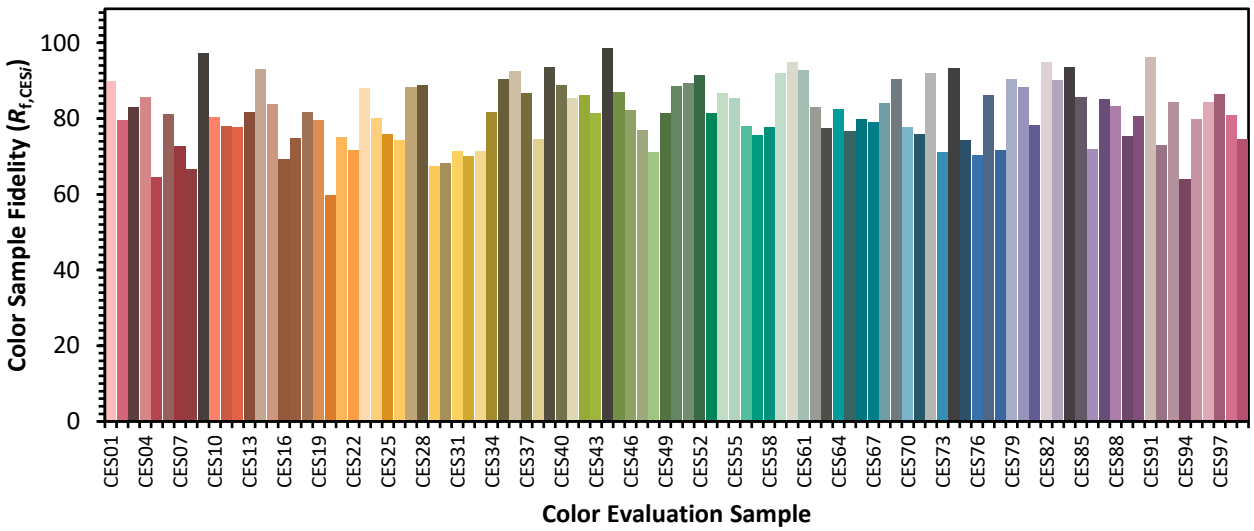
Individual Sample Fidelity Index ($R_{f,i}$)

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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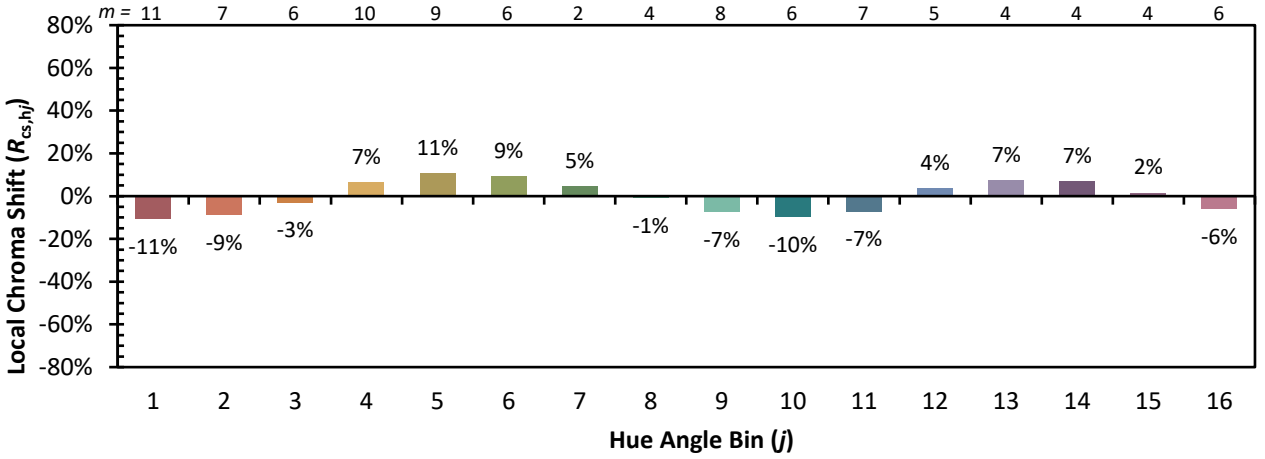
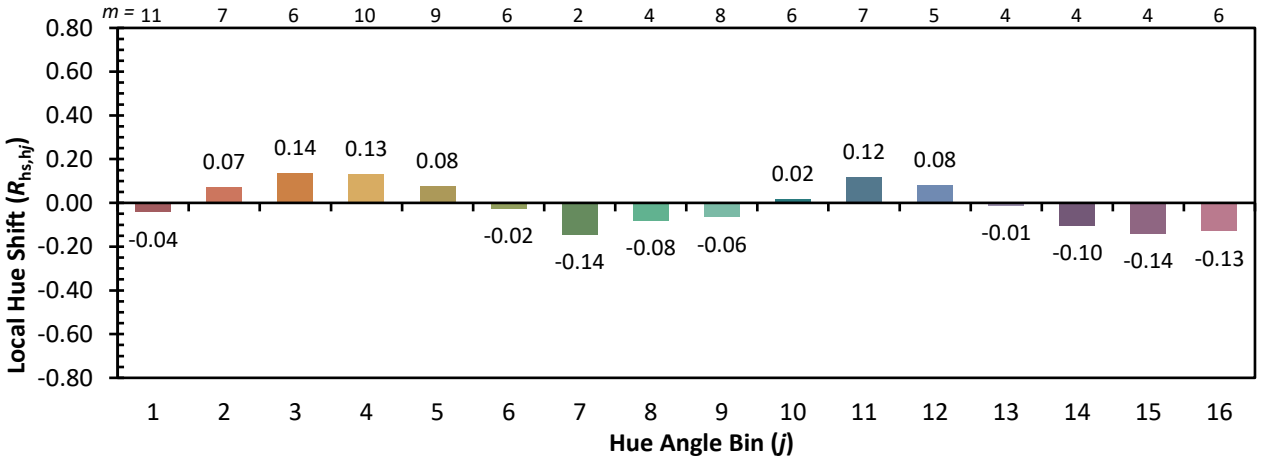
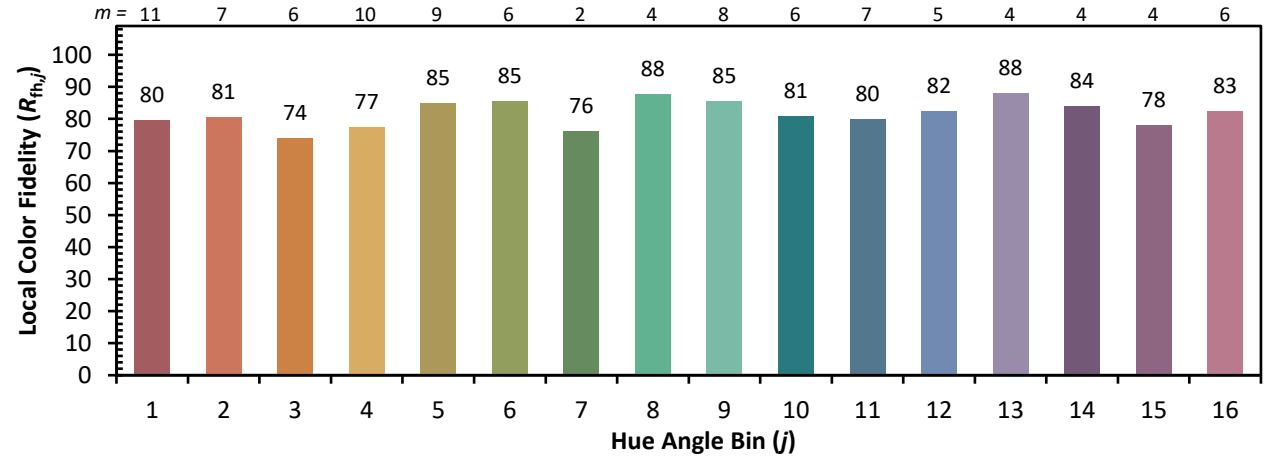
Color Rendition by Hue-Angle Bin







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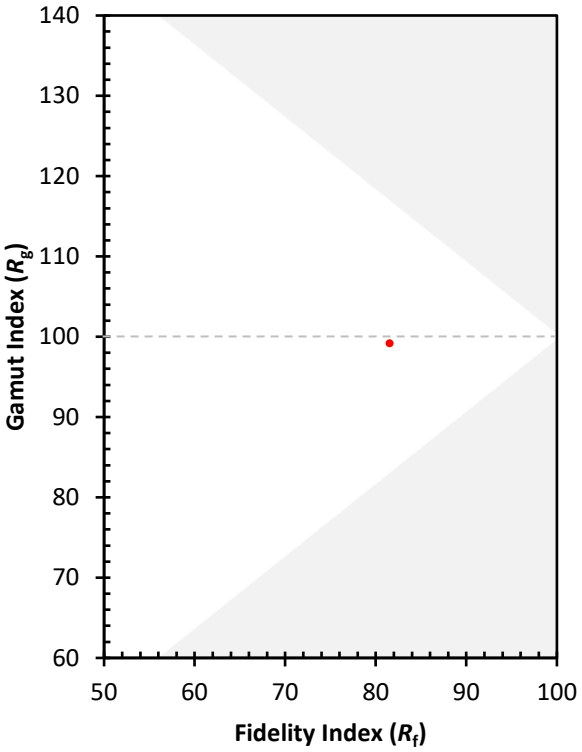
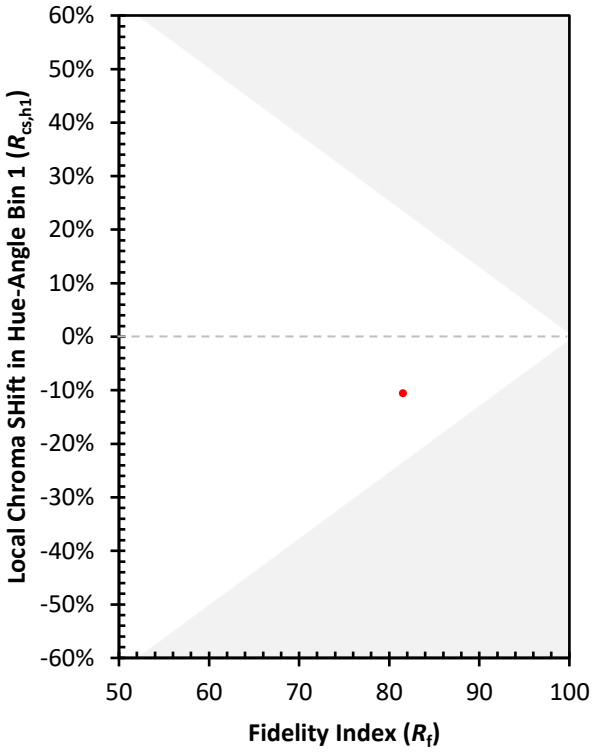
Measure Comparisons





(END OF REPORT)