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: P641929

Luminaire Tested: GWS-SA6B-830-U-AFL-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:	P641929
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-AFL-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14104.5 lumens
Efficiency:	N/A
Efficacy:	101.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - 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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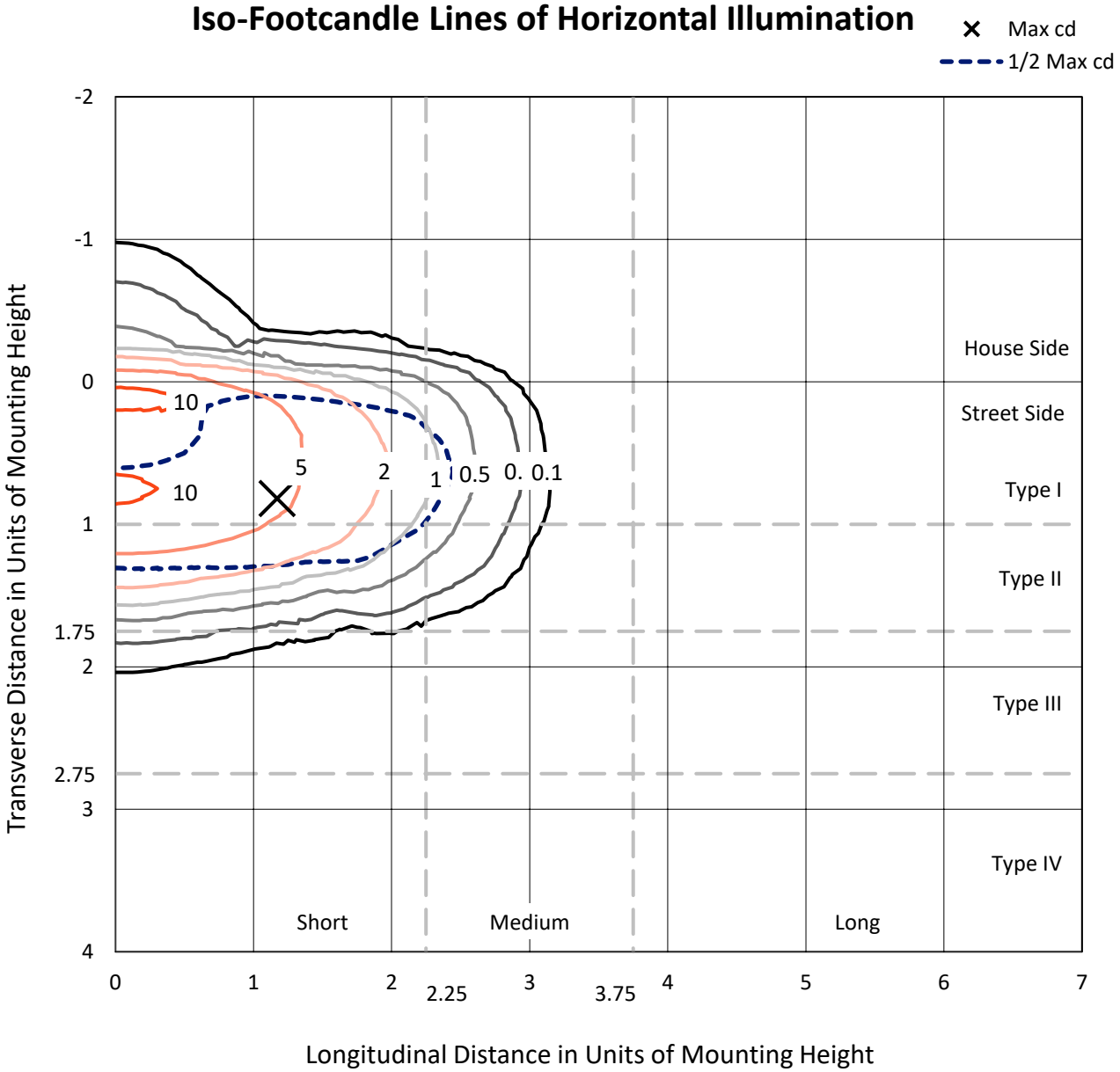
REPORT NUMBER: P641929
CATALOG NUMBER: GWS-SA6B-830-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 11.9 fc
Type II - Short - N/A

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REPORT NUMBER: P641929
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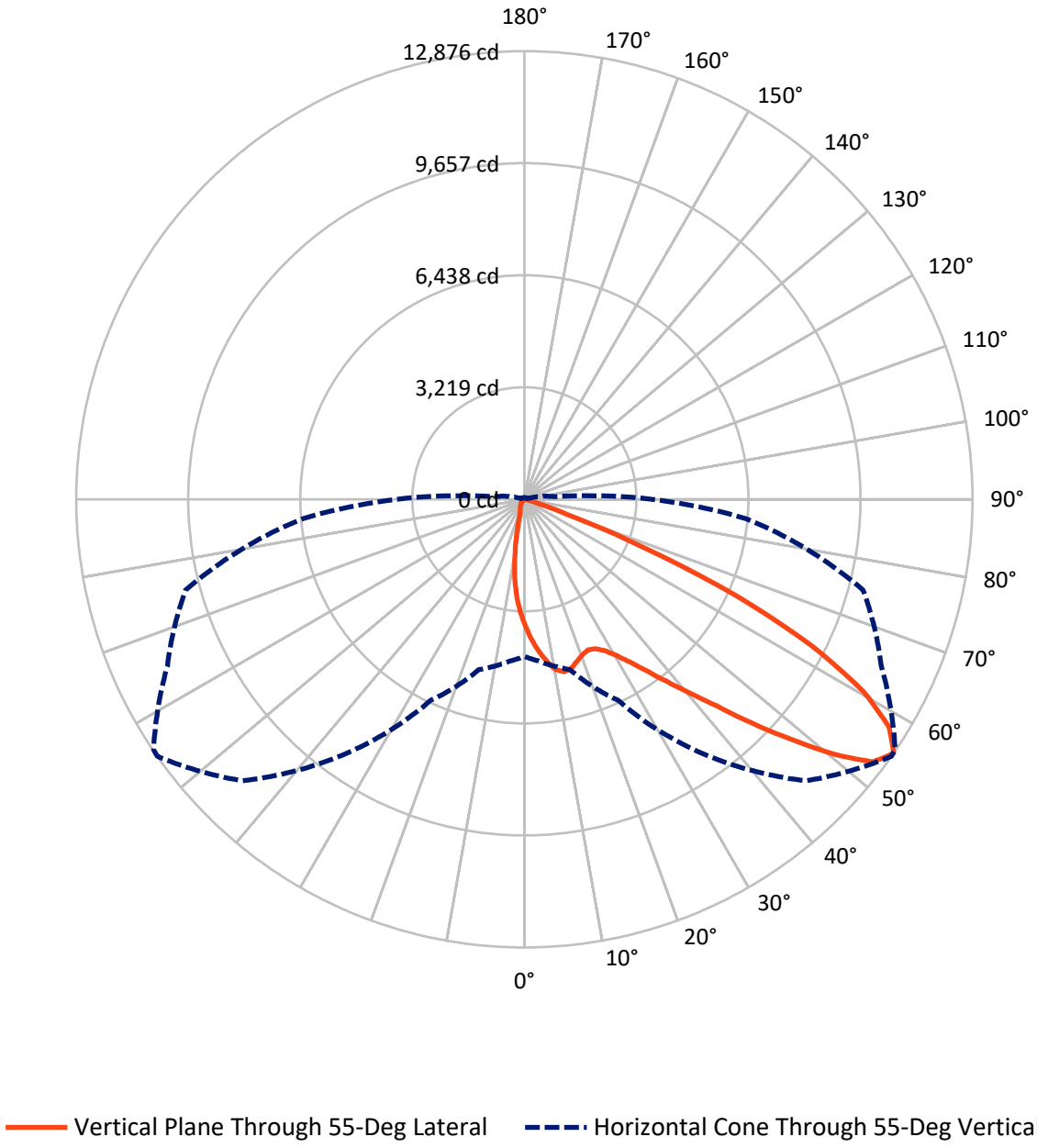
Luminous Intensity Polar Plot



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REPORT NUMBER: P641929
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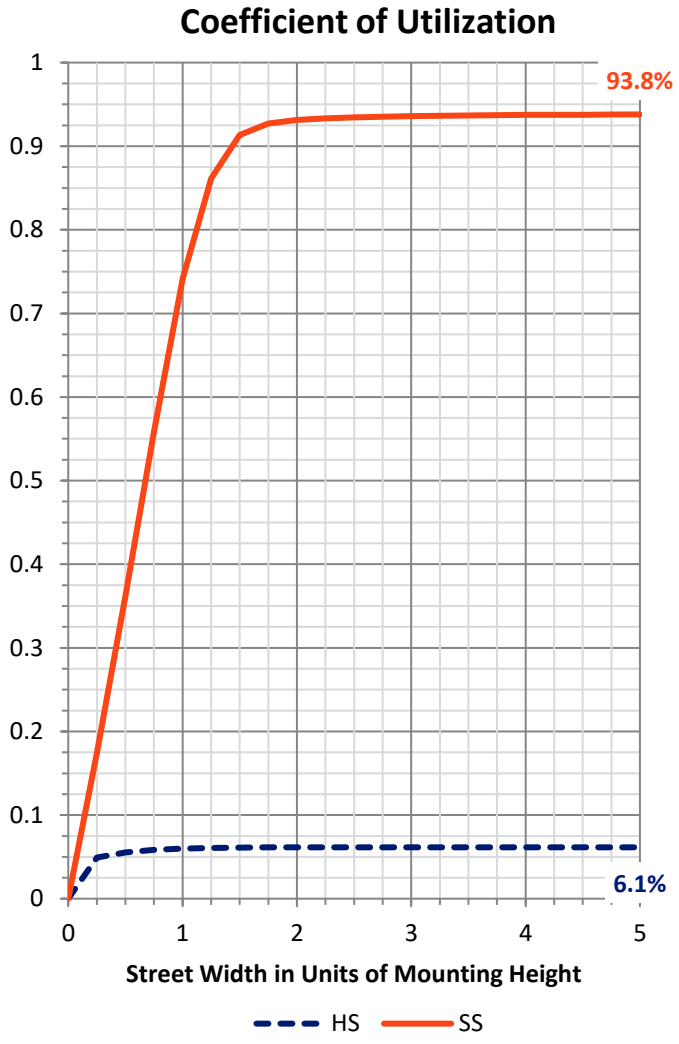
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	870.3	0.0	870.3
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	13234.2	0.0	13234.2
	% Fixture	93.8	0.0	93.8
Total	Lumens	14104.5	0.0	14104.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.0	2.3
10°-20°	776.4	5.5
20°-30°	1292.9	9.2
30°-40°	2203.2	15.6
40°-50°	3596.5	25.5
50°-60°	3765.3	26.7
60°-70°	1899.1	13.5
70°-80°	239.9	1.7
80°-90°	9.1	0.1
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°	14104.5	100.0
0°-180°	14104.5	100.0



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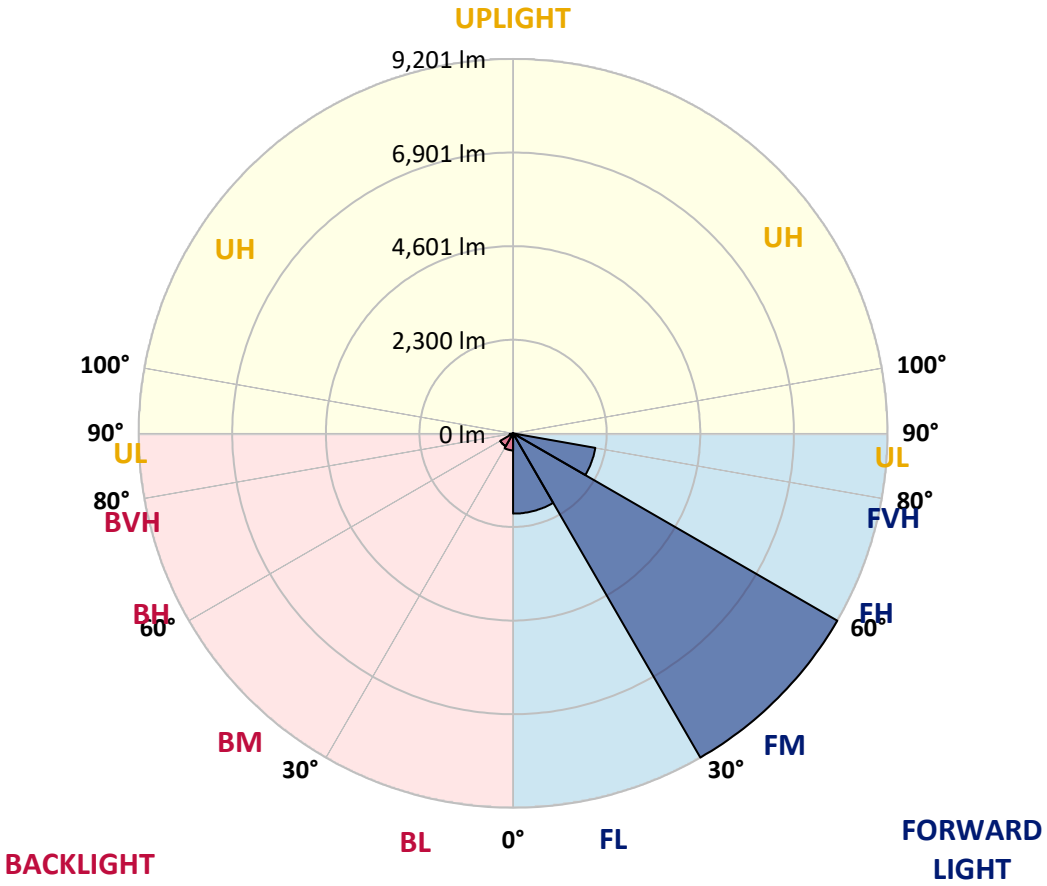
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1973.0	14.0			
FM	(30°-60°)	9201.1	65.2			
FH	(60°-80°)	2051.7	14.5			G2/5000
FVH	(80°-90°)	8.3	0.1			G0/10
BL	(0°-30°)	418.3	3.0	B1/500		
BM	(30°-60°)	363.9	2.6	B1/1000		
BH	(60°-80°)	87.3	0.6	B0/110		G0/110
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P641929
CATALOG NUMBER: GWS-SA6B-830-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8
2.5°	4247.9	4227.4	4258.7	4222.5	4161.0	4109.2	4041.7	4017.6	3909.0	3806.6	3707.7
5°	4763.9	4769.9	4760.3	4709.7	4622.8	4526.4	4390.1	4360.0	4170.7	3975.4	3764.4
7.5°	4891.7	4888.1	4908.6	4927.9	4913.4	4865.2	4716.9	4686.8	4451.6	4158.6	3851.2
10°	4497.4	4499.9	4542.1	4672.3	4833.9	5001.5	4978.5	4961.7	4731.4	4366.0	3947.6
12.5°	3940.4	3962.1	4006.7	4192.4	4466.1	4847.1	5083.4	5100.3	4988.2	4593.9	4061.0
15°	3699.2	3704.1	3740.2	3852.4	4056.1	4526.4	5038.8	5085.9	5202.8	4823.0	4184.0
17.5°	3693.2	3699.2	3714.9	3764.4	3897.0	4274.4	4895.3	4977.3	5364.4	5069.0	4331.1
20°	3919.9	3916.3	3905.4	3878.9	3936.8	4191.2	4762.7	4853.1	5452.4	5308.9	4479.4
22.5°	4331.1	4326.2	4278.0	4168.3	4121.3	4267.1	4697.6	4779.6	5505.5	5522.3	4601.1
25°	4804.9	4838.7	4748.2	4581.9	4466.1	4461.3	4755.5	4813.4	5551.3	5711.6	4684.3
27.5°	5324.6	5335.4	5258.3	5071.4	4903.8	4772.4	4923.1	4966.5	5601.9	5880.4	4731.4
30°	5894.9	5891.3	5803.3	5586.2	5382.5	5193.2	5205.2	5222.1	5720.1	6073.4	4783.2
32.5°	6607.5	6623.2	6466.4	6171.0	5926.3	5664.6	5574.2	5576.6	5933.5	6321.7	4861.6
35°	7575.7	7537.1	7329.8	6908.9	6491.8	6209.6	6055.3	6042.0	6262.7	6655.7	4997.8
37.5°	8498.1	8501.7	8284.7	7821.7	7294.8	6849.9	6631.6	6595.5	6725.7	7118.7	5224.5
40°	9138.4	9150.4	9060.0	8817.7	8259.4	7630.0	7309.3	7271.9	7326.1	7704.7	5521.1
42.5°	9477.2	9511.0	9536.3	9592.9	9169.7	8604.2	8111.1	8107.5	8050.8	8372.7	5864.8
45°	9490.5	9541.1	9695.4	10082.5	10130.7	9715.9	9179.4	9098.6	8880.3	9087.7	6172.2
47.5°	8966.0	9082.9	9410.9	10177.7	10684.2	10821.6	10289.9	10240.4	9627.9	9653.2	6402.5
50°	7743.3	7865.1	8469.2	9689.4	10824.0	11699.4	11508.9	11406.4	10252.5	10027.0	6513.5
52.5°	6489.3	6600.3	7010.2	8527.1	10244.1	11975.5	12536.2	12414.4	10813.2	10157.2	6467.6
55°	4515.5	4663.8	5064.2	6373.6	8908.1	11437.7	12876.2	12850.9	11313.6	10075.2	6396.5
57.5°	2213.8	2360.9	2760.0	3929.5	6599.1	9986.0	12356.5	12490.4	11612.6	9987.2	6338.6
60°	924.8	985.1	1122.6	1724.2	3692.0	7546.8	11183.3	11369.0	11429.3	9867.9	6332.6
62.5°	536.6	546.2	560.7	715.0	1436.0	4326.2	9277.0	9541.1	10465.9	9709.9	6237.3
65°	405.1	408.7	402.7	438.9	593.2	1641.0	6702.8	7062.1	8735.7	9092.6	5861.2
67.5°	332.8	332.8	317.1	324.3	372.6	614.9	3700.4	4202.0	6464.0	7473.2	4839.9
70°	265.3	271.3	264.1	254.4	266.5	340.0	1316.7	1632.6	3764.4	4413.0	2822.7
72.5°	201.4	201.4	213.4	206.2	197.7	213.4	459.4	516.1	1510.8	1840.0	1018.9
75°	155.5	160.4	168.8	161.6	149.5	126.6	220.7	233.9	455.8	428.0	227.9
77.5°	79.6	80.8	107.3	118.2	110.9	77.2	96.5	106.1	148.3	132.6	84.4
80°	48.2	50.6	60.3	92.8	73.6	41.0	39.8	42.2	69.9	60.3	35.0
82.5°	20.5	21.7	33.8	33.8	30.1	15.7	15.7	15.7	33.8	31.3	14.5
85°	0.0	0.0	6.0	4.8	4.8	6.0	6.0	6.0	8.4	12.1	7.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.6	3.6
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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REPORT NUMBER: P641929
CATALOG NUMBER: GWS-SA6B-830-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8
2.5°	3643.8	3566.6	3462.9	3368.9	3242.3	3171.1	3072.3	2991.5	2922.7	2901.0	2891.4
5°	3645.0	3512.3	3290.5	3068.6	2796.1	2581.5	2360.9	2186.0	2042.5	1996.7	1984.7
7.5°	3669.1	3473.8	3114.5	2711.7	2256.0	1879.8	1543.4	1241.9	1102.1	1055.0	1045.4
10°	3701.7	3441.2	2910.7	2283.7	1629.0	1145.5	811.5	618.5	526.9	476.3	483.5
12.5°	3743.9	3414.7	2685.2	1820.7	1077.9	629.4	446.1	373.8	354.5	344.8	340.0
15°	3800.5	3383.3	2405.5	1361.3	660.8	405.1	343.6	324.3	317.1	312.3	311.1
17.5°	3858.4	3347.2	2120.9	957.4	438.9	336.4	308.7	299.0	294.2	290.6	289.4
20°	3919.9	3285.7	1786.9	659.5	346.1	302.6	284.6	273.7	267.7	261.6	260.4
22.5°	3946.4	3186.8	1467.4	461.8	307.5	278.5	255.6	242.4	235.1	230.3	230.3
25°	3921.1	3026.4	1137.0	350.9	279.7	252.0	229.1	214.6	208.6	203.8	203.8
27.5°	3853.6	2820.2	829.6	290.6	249.6	224.3	202.6	189.3	184.5	182.1	182.1
30°	3778.8	2559.8	584.8	249.6	215.8	195.3	177.2	168.8	167.6	165.2	165.2
32.5°	3714.9	2316.2	402.7	219.4	190.5	170.0	158.0	154.3	155.5	153.1	154.3
35°	3679.9	2077.5	299.0	195.3	170.0	150.7	144.7	144.7	144.7	143.5	143.5
37.5°	3694.4	1842.4	243.6	178.5	151.9	137.5	131.4	133.8	136.2	136.2	136.2
40°	3766.8	1633.8	215.8	162.8	136.2	125.4	120.6	124.2	127.8	130.2	130.2
42.5°	3858.4	1465.0	195.3	149.5	125.4	113.3	110.9	114.5	118.2	120.6	120.6
45°	3916.3	1295.0	174.8	132.6	114.5	100.1	100.1	104.9	103.7	104.9	104.9
47.5°	3942.8	1159.9	154.3	114.5	97.7	86.8	88.0	90.4	88.0	90.4	90.4
50°	3877.7	1023.7	136.2	95.3	80.8	76.0	78.4	77.2	77.2	82.0	82.0
52.5°	3758.3	922.4	120.6	80.8	68.7	67.5	69.9	65.1	66.3	66.3	65.1
55°	*3670.3*	*864.5*	*107.3*	*69.9*	*59.1*	*60.3*	*59.1*	*50.6*	*45.8*	*41.0*	*39.8*
57.5°	3626.9	841.6	97.7	62.7	53.1	53.1	48.2	35.0	26.5	20.5	18.1
60°	3617.3	813.9	88.0	54.3	47.0	44.6	35.0	20.5	13.3	9.6	8.4
62.5°	3525.6	746.4	79.6	43.4	41.0	36.2	21.7	12.1	7.2	4.8	3.6
65°	3225.4	613.7	71.1	33.8	31.3	26.5	13.3	7.2	3.6	1.2	0.0
67.5°	2565.8	435.3	62.7	25.3	21.7	16.9	8.4	4.8	1.2	0.0	0.0
70°	1479.5	235.1	51.8	18.1	14.5	10.9	6.0	2.4	0.0	0.0	0.0
72.5°	494.4	109.7	39.8	12.1	10.9	8.4	3.6	1.2	0.0	0.0	0.0
75°	108.5	65.1	26.5	8.4	7.2	6.0	2.4	0.0	0.0	0.0	0.0
77.5°	41.0	45.8	13.3	6.0	4.8	3.6	1.2	0.0	0.0	0.0	0.0
80°	15.7	30.1	6.0	3.6	3.6	1.2	0.0	0.0	0.0	0.0	0.0
82.5°	8.4	12.1	3.6	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.8	6.0	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	1.2	1.2	1.2	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

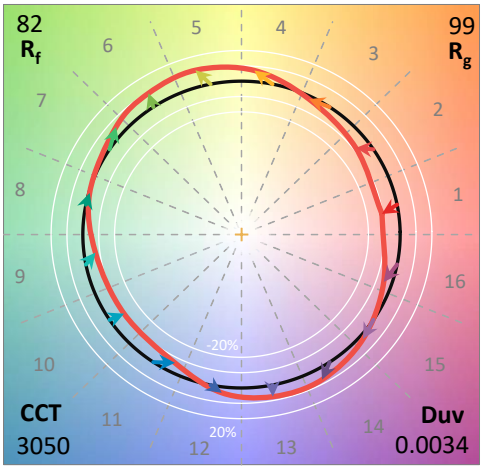
Test Information

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

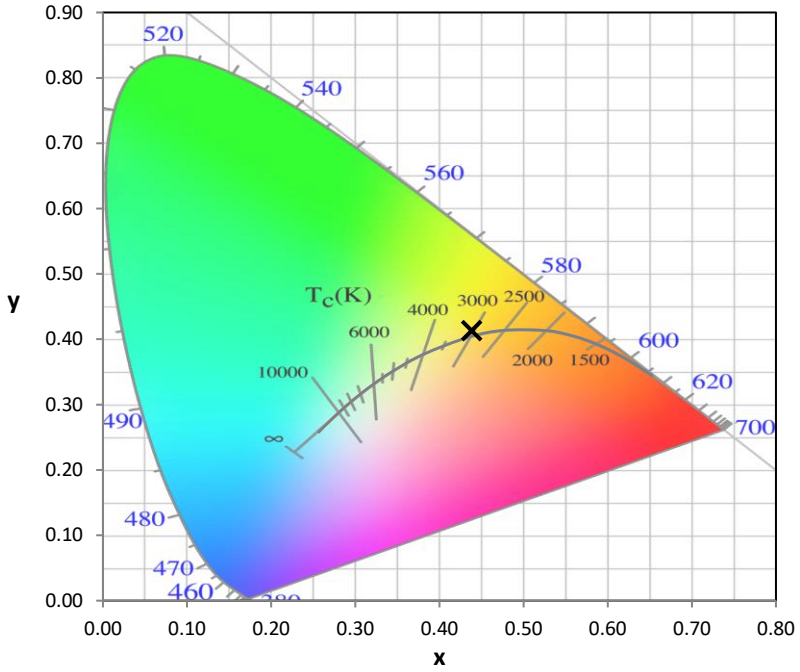
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

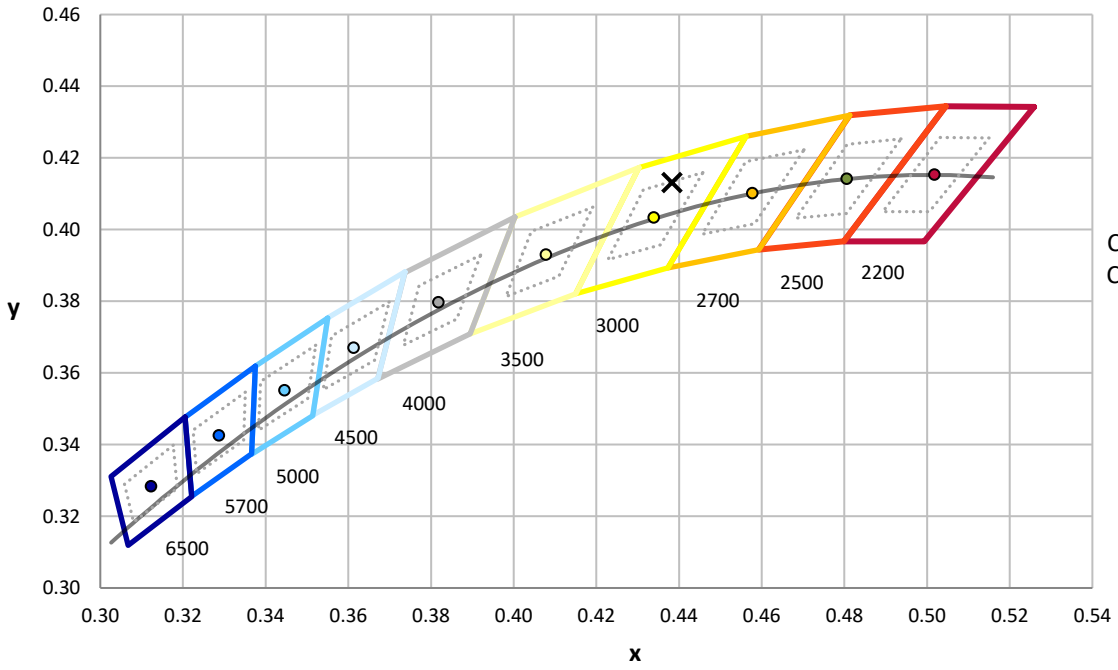
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

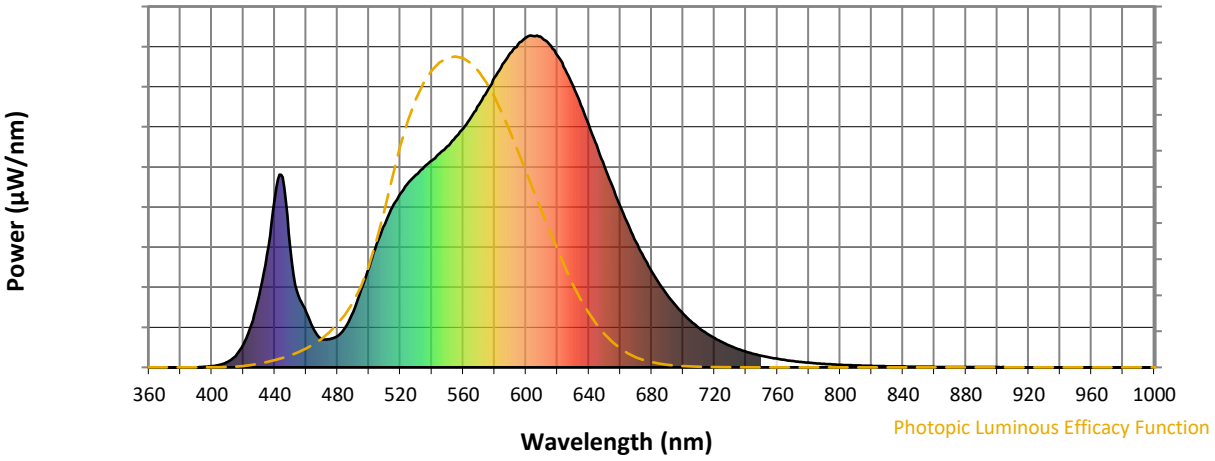


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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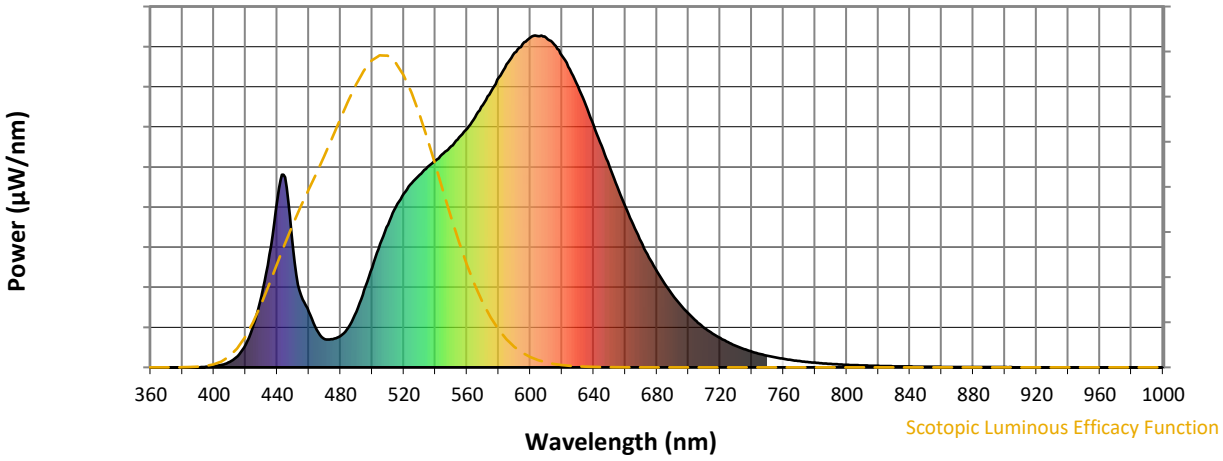
Scotopic Flux vs. Wavelength



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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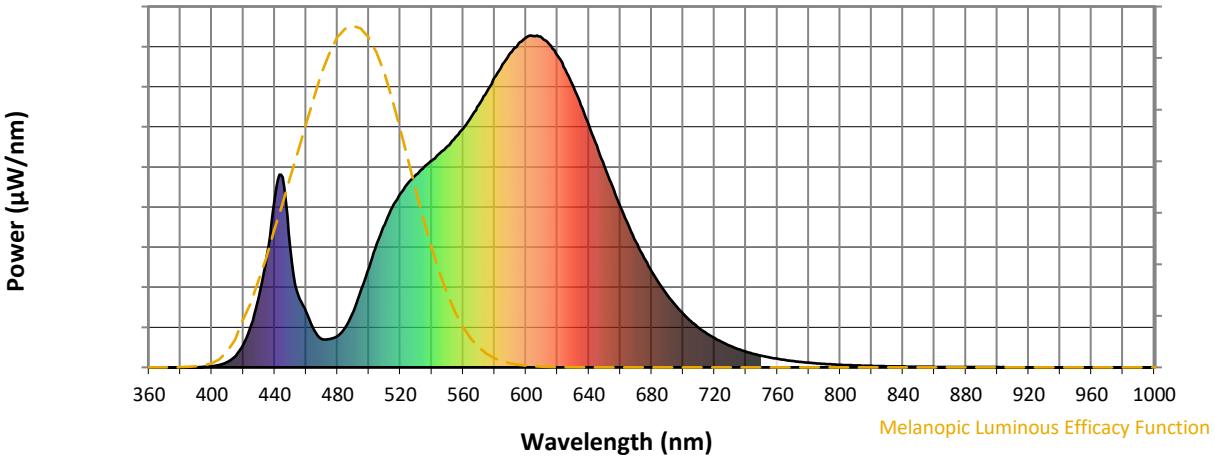
Melanopic Flux vs. Wavelength



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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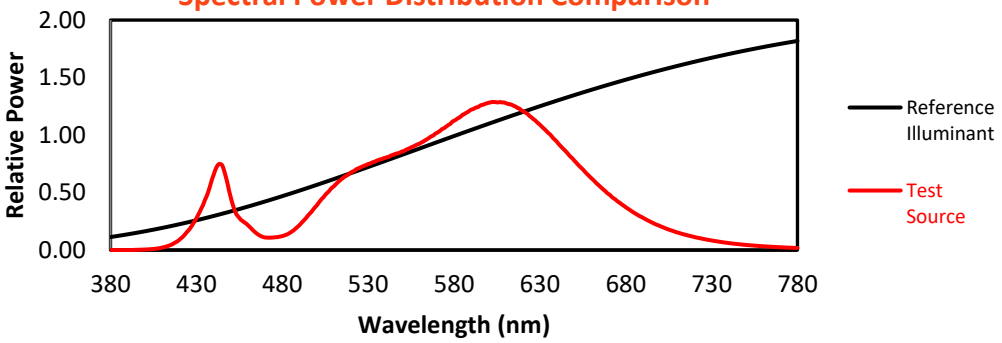
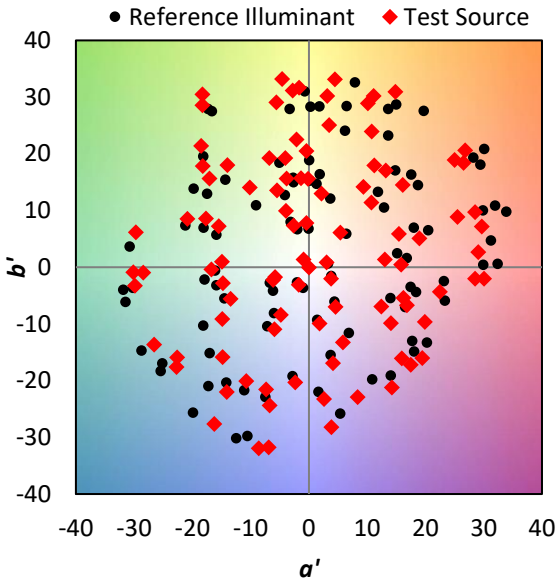
Summary

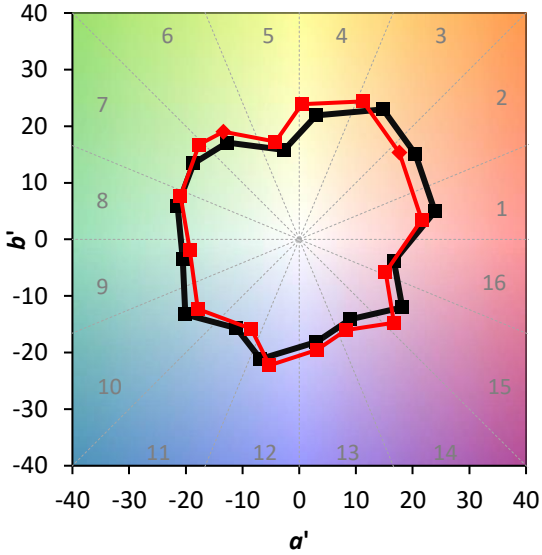
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

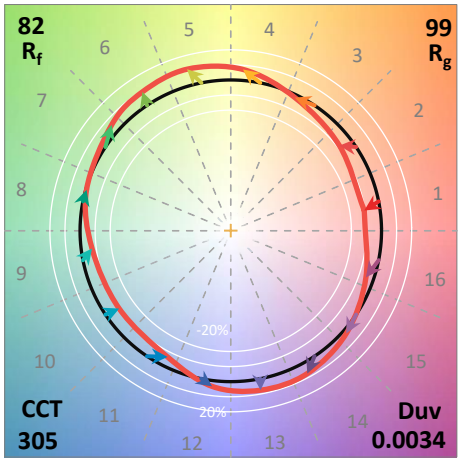
Spectral Power Distribution Comparison

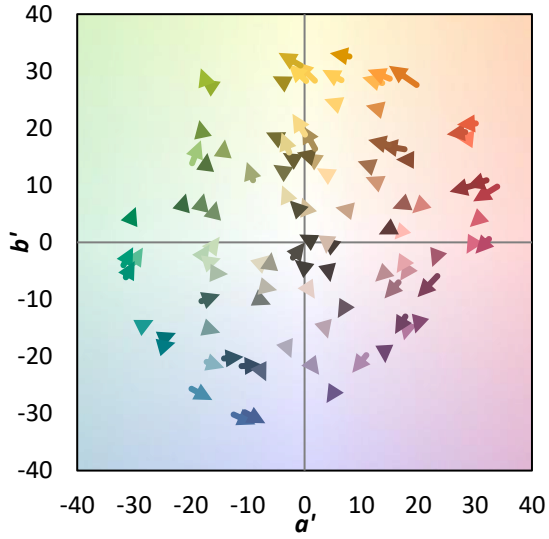


Color Vector Graphics









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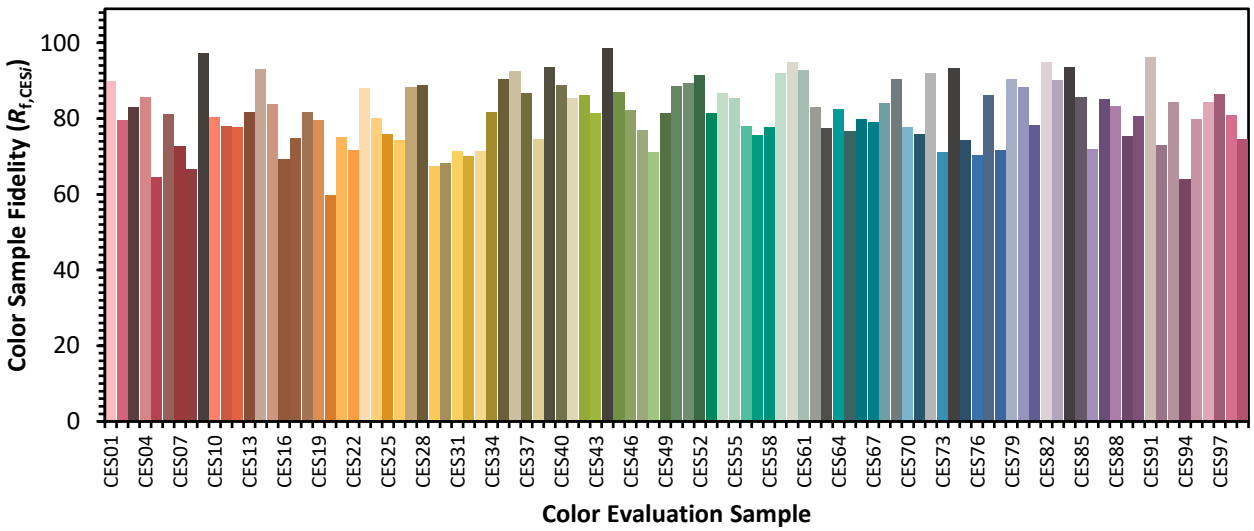
Individual Sample Fidelity Index ($R_{f,i}$)

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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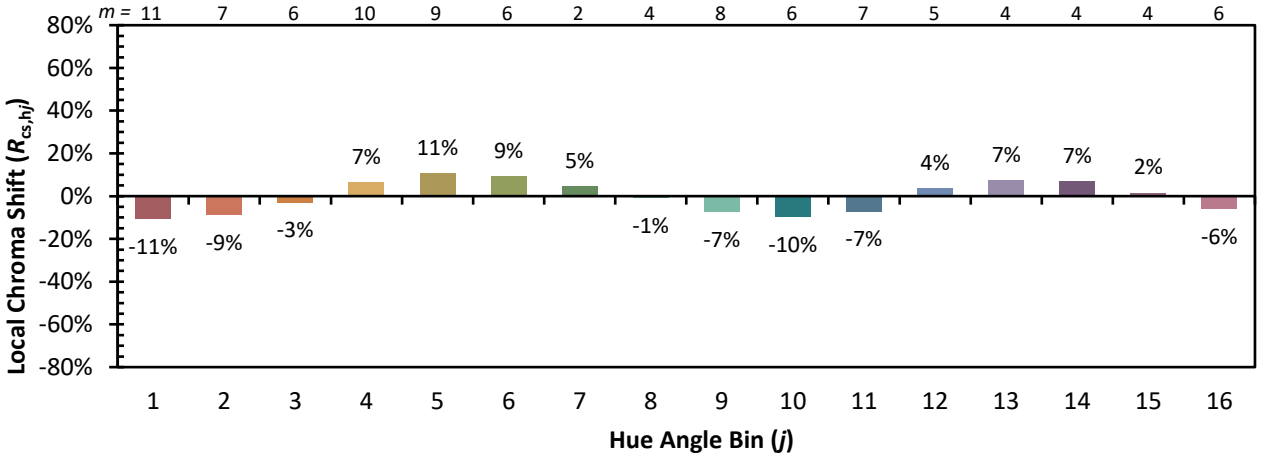
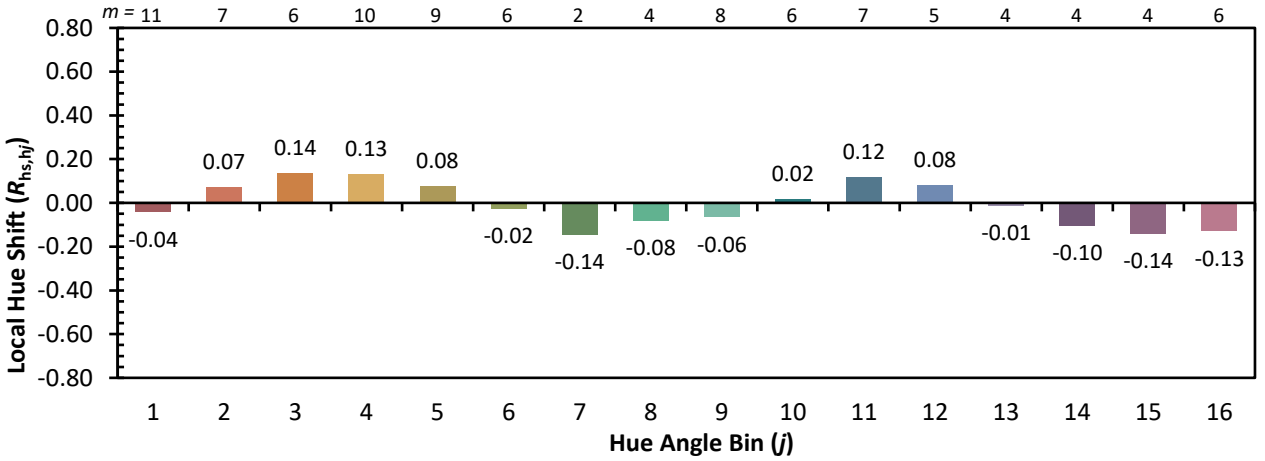
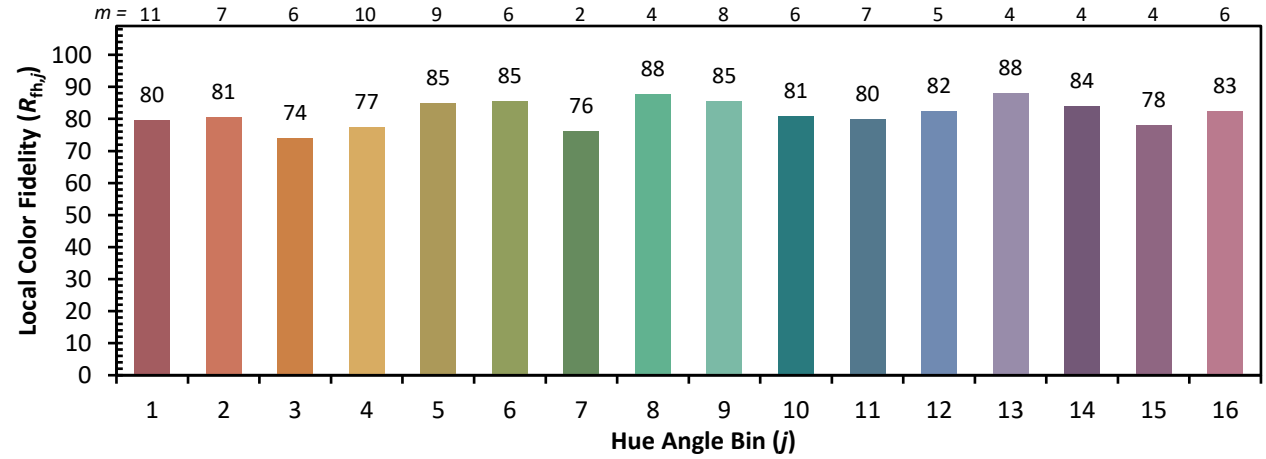
Color Rendition by Hue-Angle Bin







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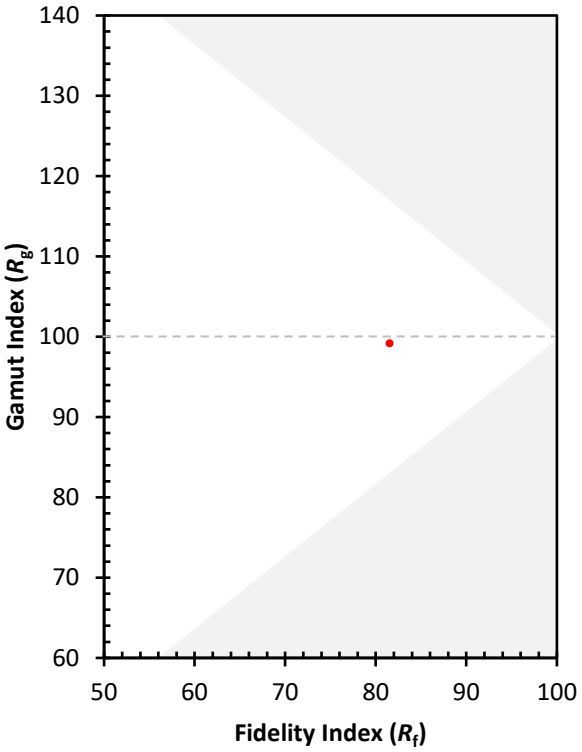
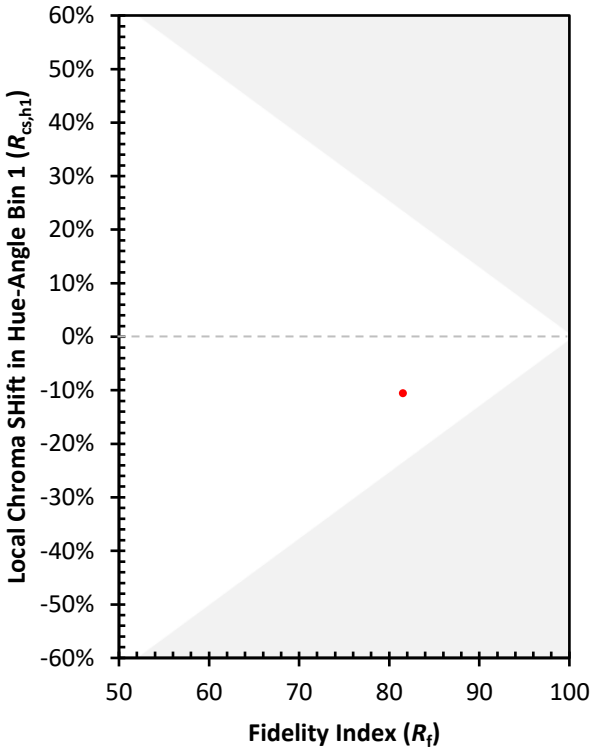
Measure Comparisons





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