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: P641941

Luminaire Tested: GWS-SA6B-830-U-SL3-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:	P641941
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-SL3-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16479.8 lumens
Efficiency:	N/A
Efficacy:	118.6 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

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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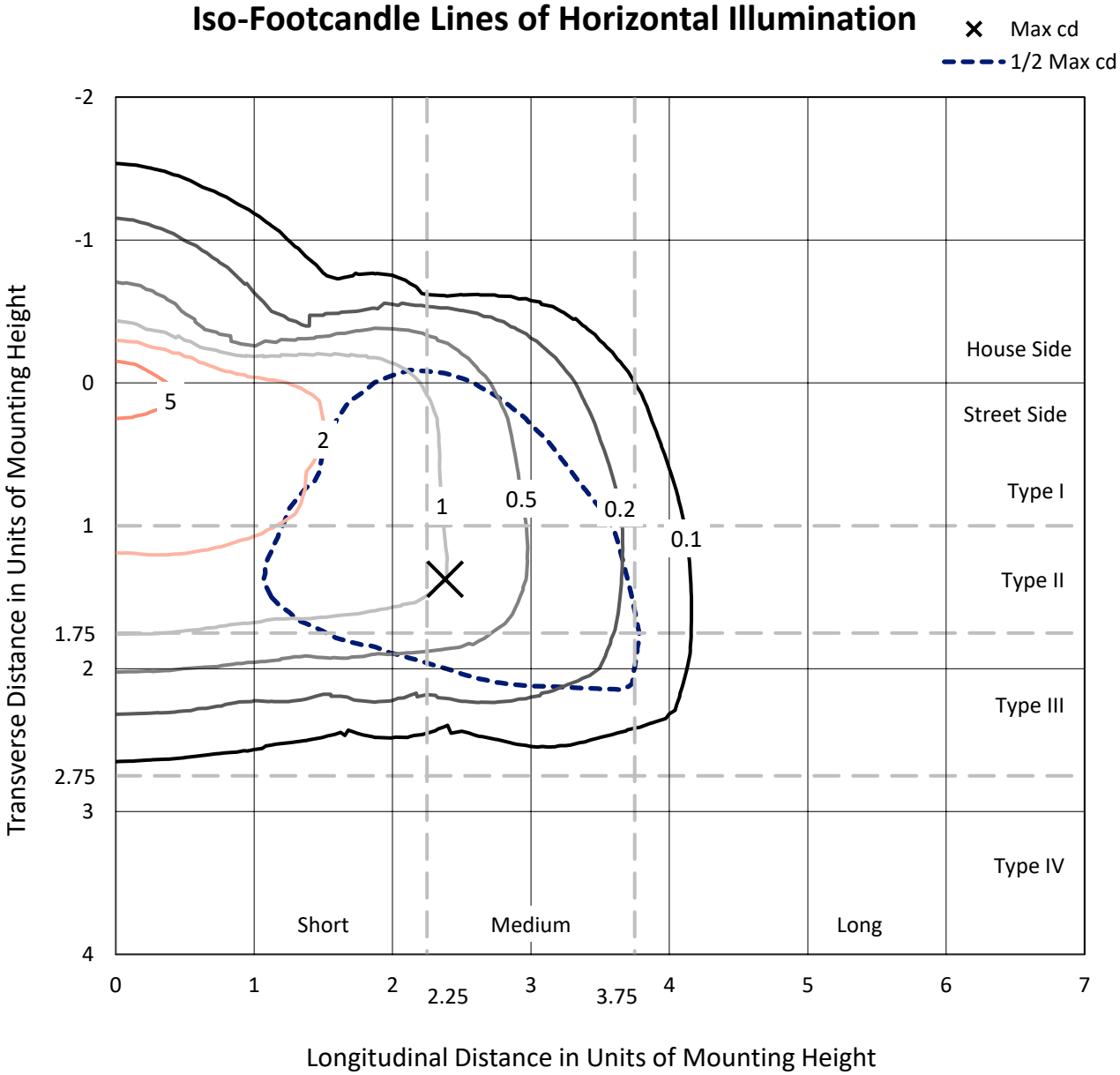
Scaled Data Report

REPORT NUMBER: P641941
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
Type III - Medium - N/A

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REPORT NUMBER: P641941
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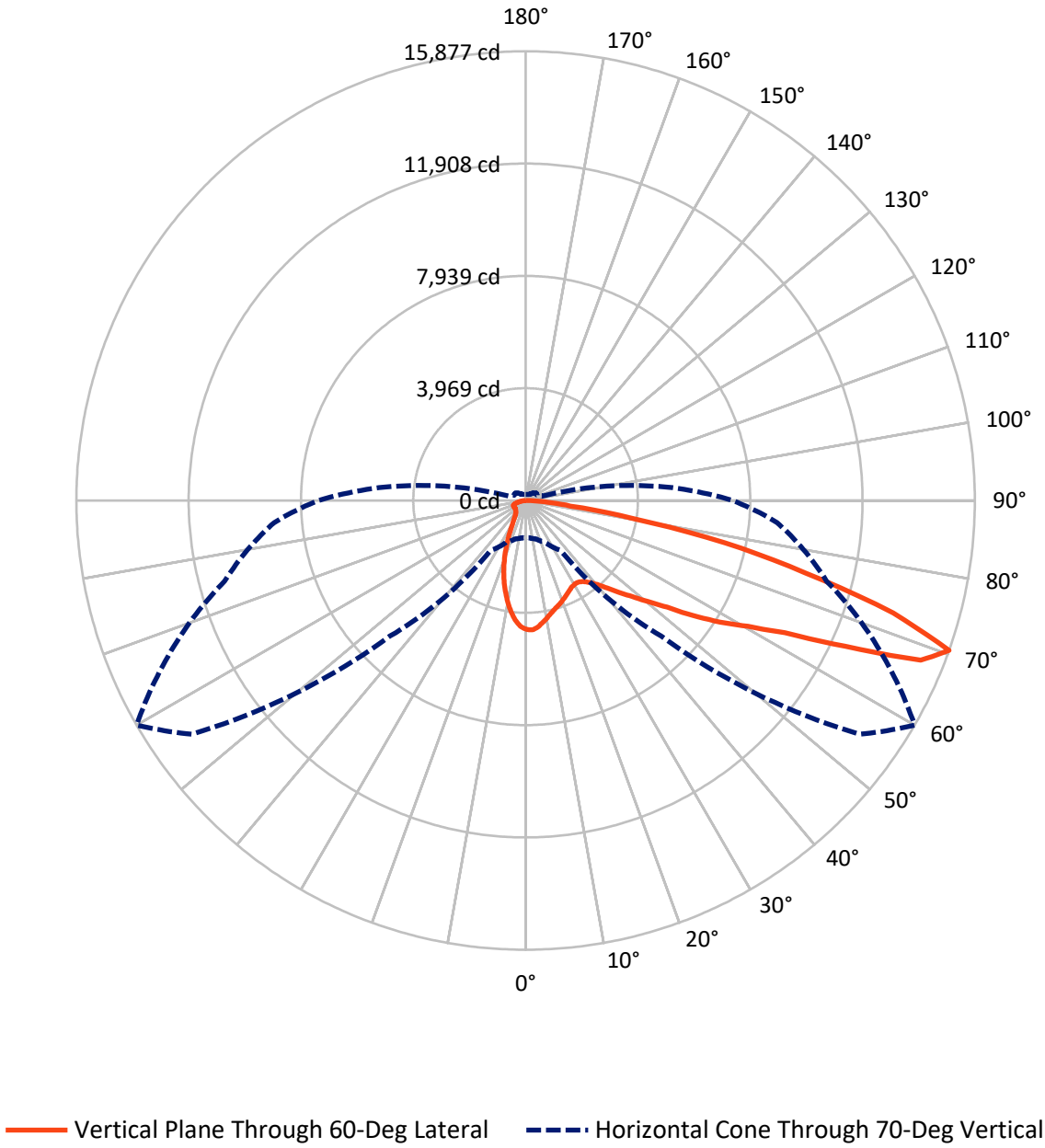
Luminous Intensity Polar Plot



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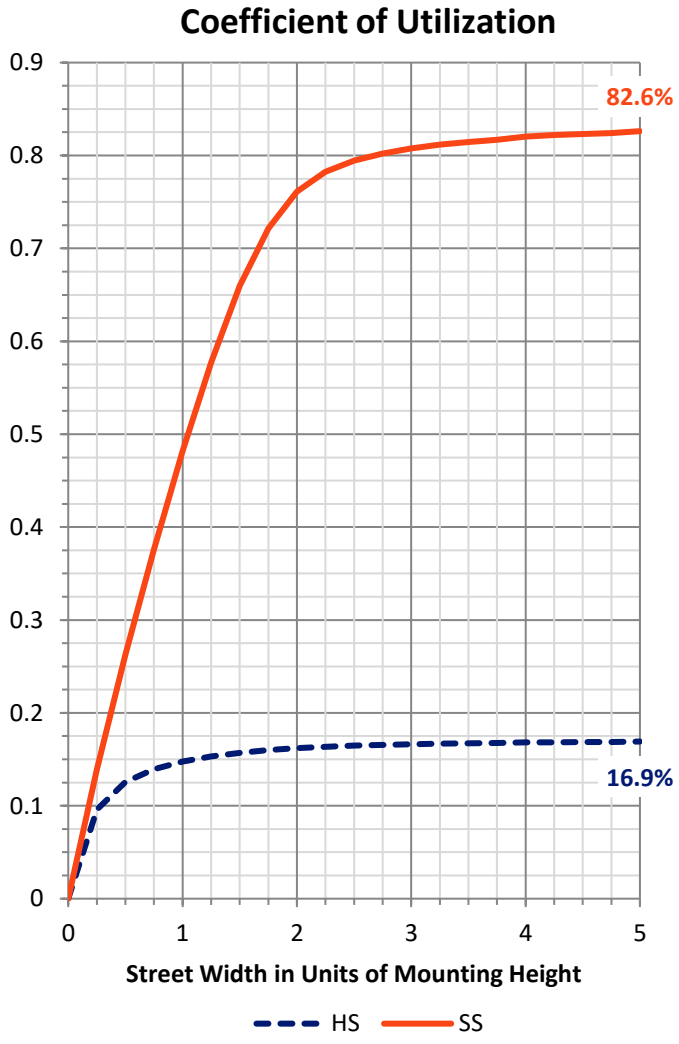
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2818.4	0.0	2818.4
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	13661.4	0.0	13661.4
	% Fixture	82.9	0.0	82.9
Total	Lumens	16479.8	0.0	16479.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.1	2.4
10°-20°	880.6	5.3
20°-30°	1127.8	6.8
30°-40°	1482.1	9.0
40°-50°	2150.3	13.0
50°-60°	3355.1	20.4
60°-70°	4392.4	26.7
70°-80°	2428.9	14.7
80°-90°	269.5	1.6
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°	16479.8	100.0
0°-180°	16479.8	100.0



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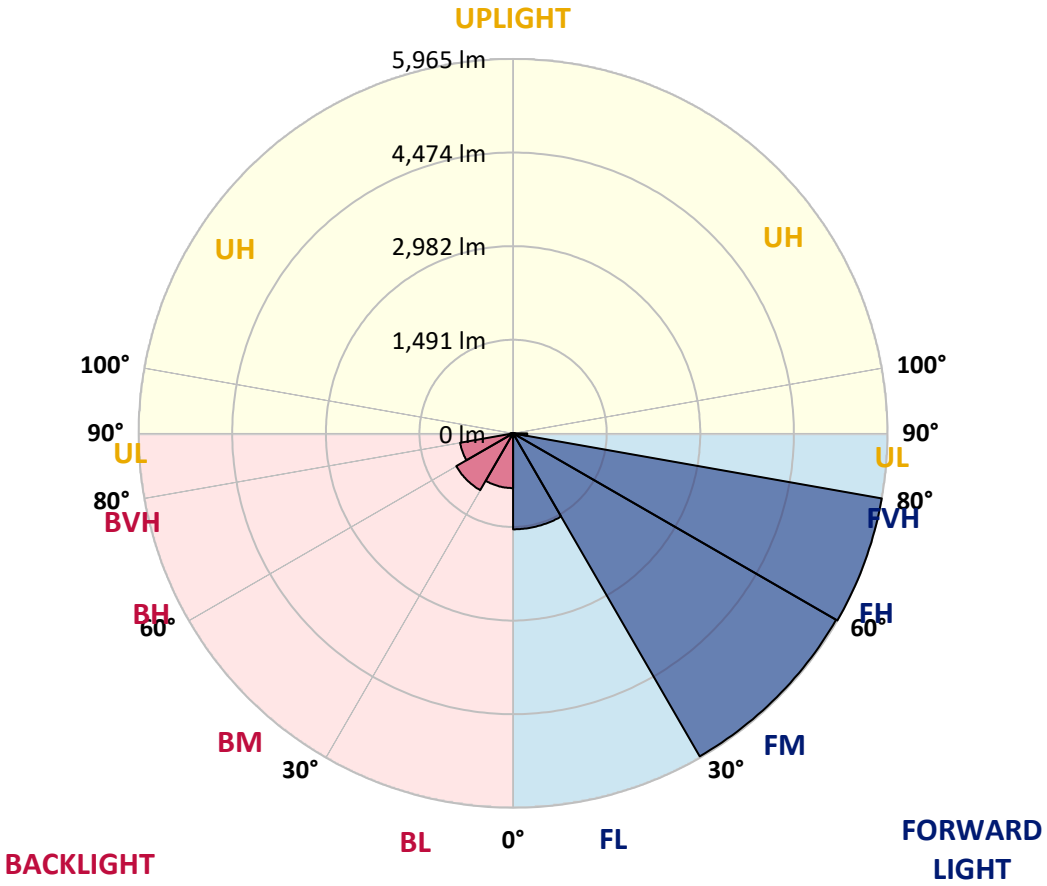
REPORT NUMBER: P641941
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1529.4	9.3			
FM	(30°-60°)	5942.6	36.1			
FH	(60°-80°)	5964.8	36.2			G3/7500
FVH	(80°-90°)	224.6	1.4			G2/225
BL	(0°-30°)	872.0	5.3	B2/1000		
BM	(30°-60°)	1045.0	6.3	B2/2500		
BH	(60°-80°)	856.5	5.2	B2/1000		G2/1000
BVH	(80°-90°)	44.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Medium



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Scaled Data Report

REPORT NUMBER: P641941
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4560.2	4560.2	4560.2	4560.2	4560.2	4560.2	4560.2	*4560.2*	4560.2	4560.2	4560.2
2.5°	4496.3	4501.1	4514.4	4533.6	4552.9	4562.6	4586.7	*4579.5*	4574.6	4565.0	4552.9
5°	4297.3	4307.0	4319.0	4356.4	4398.6	4432.4	4486.6	*4492.7*	4495.1	4499.9	4480.6
7.5°	4044.1	4046.5	4075.5	4124.9	4180.4	4238.2	4328.7	*4354.0*	4375.7	4399.8	4384.1
10°	3764.4	3770.4	3792.1	3863.2	3958.5	4044.1	4165.9	*4208.1*	4253.9	4307.0	4285.3
12.5°	3535.3	3536.5	3571.5	3647.4	3751.1	3866.9	4018.8	*4069.4*	4129.7	4212.9	4193.6
15°	3353.2	3353.2	3385.8	3450.9	3570.2	3706.5	3887.4	*3952.5*	4034.5	4146.6	4112.8
17.5°	3208.5	3209.7	3230.2	3299.0	3405.1	3555.8	3770.4	*3858.4*	3948.9	4097.2	4046.5
20°	3132.6	3126.5	3130.1	3172.3	3262.8	3408.7	3653.4	*3755.9*	3877.7	4063.4	3986.2
22.5°	3128.9	3118.1	3102.4	3106.0	3159.1	3279.7	3528.0	*3652.2*	3805.4	4035.7	3924.7
25°	3190.4	3178.4	3150.6	3119.3	3114.5	3186.8	3409.9	*3551.0*	3730.6	4023.6	3865.7
27.5°	3294.1	3285.7	3249.5	3202.5	3153.1	3150.6	3320.7	*3467.8*	3676.4	4035.7	3823.5
30°	3431.6	3417.1	3394.2	3333.9	3259.2	3182.0	3285.7	*3423.1*	3640.2	4074.3	3805.4
32.5°	3587.1	3578.7	3557.0	3496.7	3417.1	3294.1	3313.4	*3432.8*	3640.2	4141.8	3809.0
35°	3752.3	3751.1	3751.1	3711.3	3623.3	3470.2	3423.1	*3514.8*	3695.6	4250.3	3847.6
37.5°	3912.7	3911.5	3950.1	3964.5	3864.5	3699.3	3610.0	*3678.8*	3817.4	4410.7	3942.8
40°	4042.9	4047.7	4132.1	4204.5	4149.0	3995.9	3870.5	*3905.4*	4015.2	4638.5	4109.2
42.5°	4174.3	4187.6	4314.2	4442.0	4463.7	4331.1	4204.5	*4225.0*	4298.5	4940.0	4357.6
45°	4317.8	4323.8	4501.1	4679.5	4784.4	4706.1	4602.4	*4630.1*	4647.0	5312.6	4727.8
47.5°	4456.5	4472.2	4701.2	4946.0	5145.0	5137.7	5079.9	*5071.4*	5075.0	5765.9	5165.5
50°	4645.8	4668.7	4937.6	5233.0	5524.8	5658.6	5675.5	*5611.6*	5585.1	6269.9	5710.5
52.5°	5005.1	5005.1	5246.2	5536.8	5928.7	6260.3	6373.6	*6268.7*	6184.3	6802.9	6289.2
55°	5454.8	5474.1	5665.9	5901.0	6397.7	6893.3	7276.7	*7161.0*	6922.3	7382.9	6895.7
57.5°	5655.0	5679.1	5983.0	6348.3	7011.5	7613.2	8144.9	*8103.9*	7755.4	7985.7	7525.1
60°	5293.3	5343.9	5762.3	6374.8	7567.3	8774.3	9149.3	*9029.9*	8531.9	8618.8	8207.6
62.5°	4415.5	4470.9	4935.2	5790.0	7490.2	10029.5	10732.4	*10292.3*	9501.4	9418.2	9116.7
65°	2634.6	2632.2	3190.4	4323.8	6538.8	10378.0	13238.0	*12416.9*	10998.9	10515.4	10052.4
67.5°	1674.8	1671.2	1788.1	2290.9	4351.6	9524.3	14848.9	*15062.3*	13033.0	11322.1	10129.6
70°	*1321.5*	*1320.3*	*1404.7*	*1633.8*	*2152.3*	*6777.6*	*14400.4*	*15877.4*	*14261.7*	*11014.6*	*8919.0*
72.5°	963.4	965.8	1096.0	1368.5	1660.3	3402.6	11660.9	*13585.3*	13117.4	9723.2	7240.6
75°	692.1	695.7	774.1	1047.8	1531.3	1860.5	7754.2	*10215.2*	9980.1	7794.0	4981.0
77.5°	440.1	444.9	513.7	734.3	1237.1	1502.4	4701.2	*7211.6*	6640.1	4391.4	1771.3
80°	268.9	284.6	342.4	547.4	988.7	1127.4	2350.0	*3799.3*	3325.5	1204.6	595.6
82.5°	138.7	150.7	206.2	338.8	681.3	989.9	1330.0	*1596.4*	1029.7	504.0	317.1
85°	43.4	50.6	72.3	137.5	324.3	613.7	880.2	*793.4*	472.7	237.5	147.1
87.5°	10.9	10.9	12.1	12.1	13.3	27.7	170.0	*179.7*	125.4	74.8	60.3
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: P641941
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4560.2	4560.2	4560.2	4560.2	4560.2	4560.2	4560.2	4560.2	4560.2	4560.2	4560.2
2.5°	4528.8	4499.9	4487.8	4486.6	4456.5	4413.1	4384.1	4363.6	4351.6	4349.2	4349.2
5°	4448.0	4410.7	4361.2	4323.8	4243.1	4161.1	4092.3	4053.8	4009.1	4003.1	4001.9
7.5°	4340.7	4286.5	4192.4	4087.5	3946.4	3810.2	3694.4	3616.1	3537.7	3523.2	3518.4
10°	4225.0	4151.4	3991.1	3806.6	3595.6	3391.8	3214.5	3075.9	2984.2	2919.1	2907.1
12.5°	4110.4	4012.8	3777.6	3502.7	3213.3	2934.8	2668.3	2441.7	2277.7	2182.4	2165.5
15°	4003.1	3866.9	3544.9	3194.1	2817.9	2436.8	2059.4	1765.2	1534.9	1452.9	1433.6
17.5°	3905.4	3735.4	3319.4	2874.5	2405.5	1907.5	1478.3	1216.6	1081.6	1040.6	1030.9
20°	3807.8	3600.4	3090.4	2538.1	1967.8	1409.5	1080.4	957.4	906.7	891.1	886.2
22.5°	3702.9	3452.1	2840.8	2206.5	1525.3	1055.0	883.8	829.6	813.9	815.1	813.9
25°	3598.0	3301.4	2579.1	1846.0	1135.8	856.1	771.7	751.2	754.8	765.7	768.1
27.5°	3511.2	3167.5	2322.3	1450.5	887.4	736.7	696.9	695.7	709.0	723.5	725.9
30°	3448.5	3048.2	2069.1	1115.3	730.7	654.7	639.1	646.3	662.0	672.8	676.4
32.5°	3403.9	2945.7	1799.0	876.6	640.3	596.8	589.6	596.8	606.5	617.3	619.8
35°	3388.2	2870.9	1533.7	715.0	578.8	554.6	549.8	553.4	558.3	564.3	566.7
37.5°	3423.1	2833.5	1256.4	622.2	541.4	526.9	519.7	517.3	518.5	520.9	522.1
40°	3526.8	2850.4	1029.7	567.9	517.3	504.0	491.9	487.1	485.9	488.3	487.1
42.5°	3705.3	2921.5	865.7	536.6	498.0	478.7	465.4	460.6	460.6	466.6	466.6
45°	3966.9	3061.4	747.6	513.7	481.1	457.0	442.5	440.1	444.9	454.6	455.8
47.5°	4350.4	3266.4	676.4	496.8	465.4	437.7	423.2	422.0	431.7	447.3	448.5
50°	4804.9	3561.8	637.8	484.7	454.6	422.0	407.5	408.8	419.6	436.5	440.1
52.5°	5352.4	3964.5	640.3	479.9	448.5	412.4	397.9	395.5	406.3	423.2	426.8
55°	5917.9	4454.1	687.3	481.1	440.1	407.5	388.3	379.8	389.5	401.5	402.7
57.5°	6540.0	5006.3	804.2	478.7	429.2	402.7	379.8	360.5	366.6	373.8	377.4
60°	7241.8	5656.2	1056.2	483.5	424.4	391.9	362.9	337.6	336.4	341.2	342.4
62.5°	8179.9	6540.0	1339.6	491.9	435.3	378.6	337.6	311.1	306.3	308.7	309.9
65°	8897.3	6962.0	1250.4	484.7	458.2	369.0	313.5	285.8	276.1	273.7	273.7
67.5°	8605.5	6403.8	870.6	465.4	469.0	370.2	294.2	259.2	247.2	241.2	239.9
70°	*7322.6*	*5201.6*	*605.3*	*446.1*	*457.0*	*367.8*	*273.7*	*237.5*	*221.9*	*213.4*	*212.2*
72.5°	5785.2	3971.8	489.5	407.5	414.8	331.6	243.6	213.4	200.2	189.3	189.3
75°	3723.4	2423.6	408.8	362.9	338.8	258.0	211.0	190.5	177.2	166.4	166.4
77.5°	1252.8	899.5	317.1	307.5	253.2	194.1	177.2	164.0	153.1	143.5	142.3
80°	508.8	426.8	232.7	232.7	177.2	148.3	138.7	132.6	125.4	113.3	113.3
82.5°	295.4	259.2	162.8	141.1	118.2	102.5	96.5	90.4	90.4	82.0	82.0
85°	142.3	143.5	97.7	86.8	67.5	59.1	56.7	53.1	51.8	47.0	45.8
87.5°	77.2	78.4	49.4	38.6	26.5	22.9	19.3	18.1	16.9	15.7	15.7
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

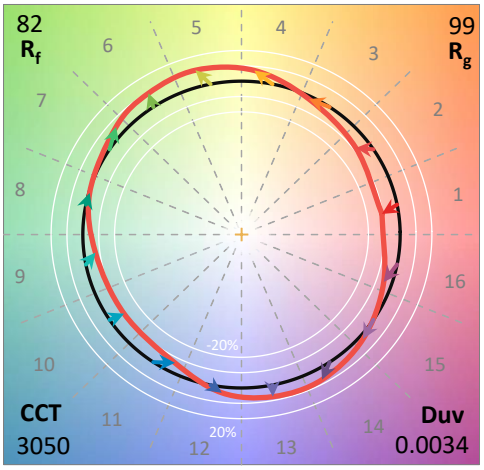
Test Information

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

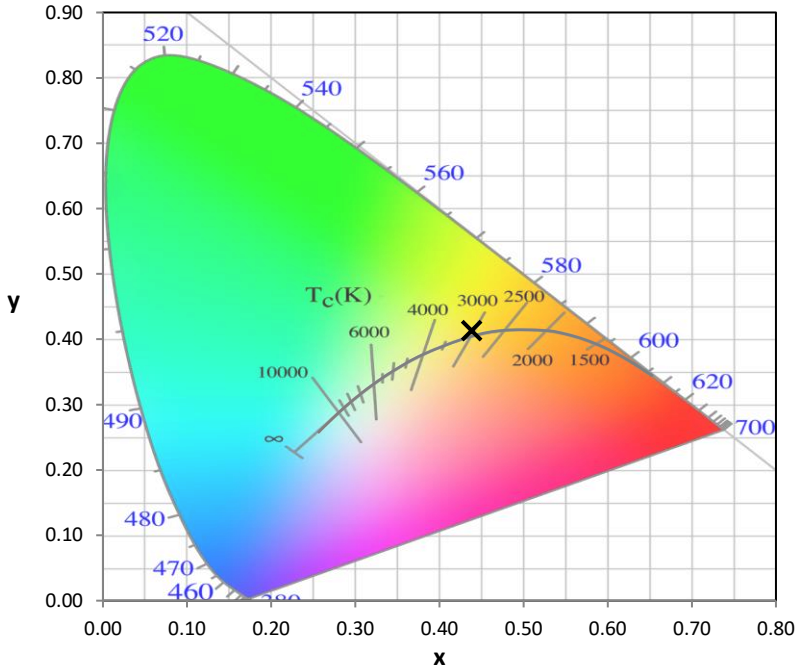
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

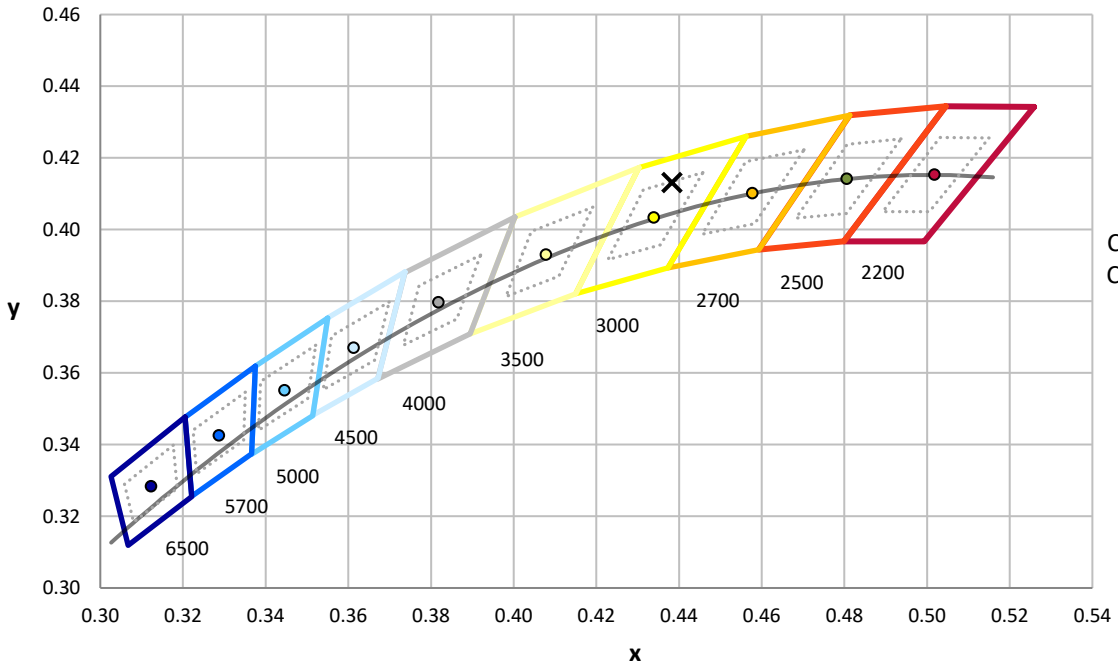
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

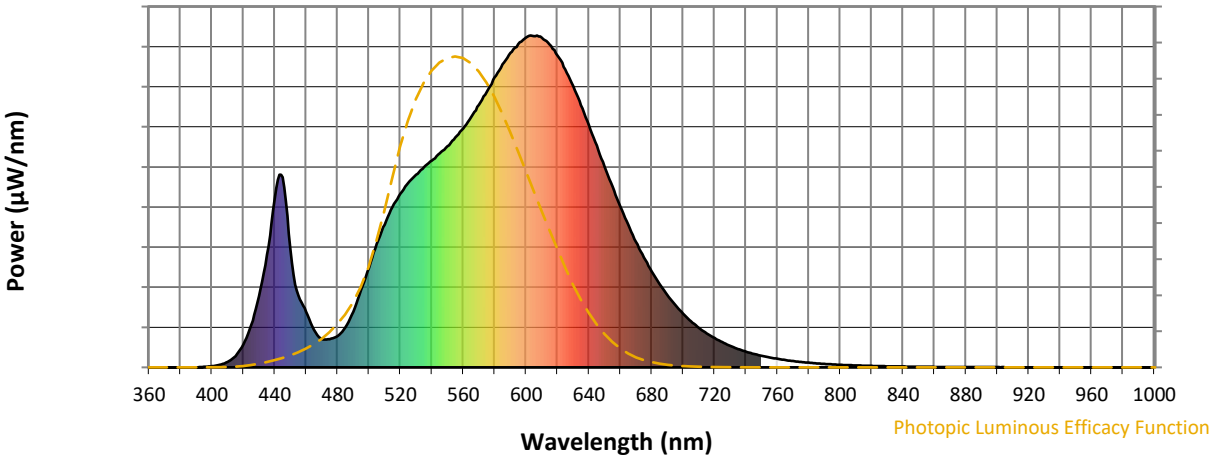


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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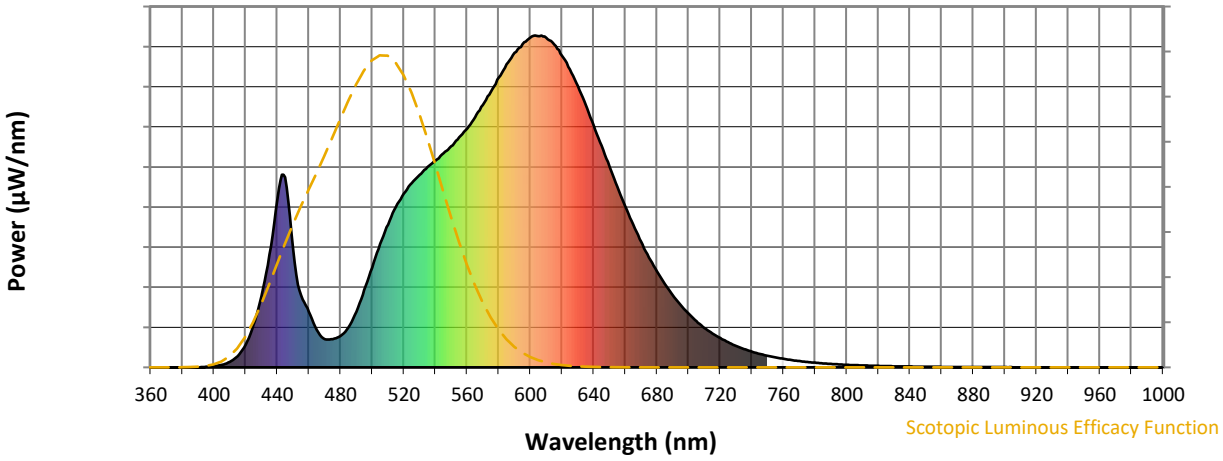
Scotopic Flux vs. Wavelength



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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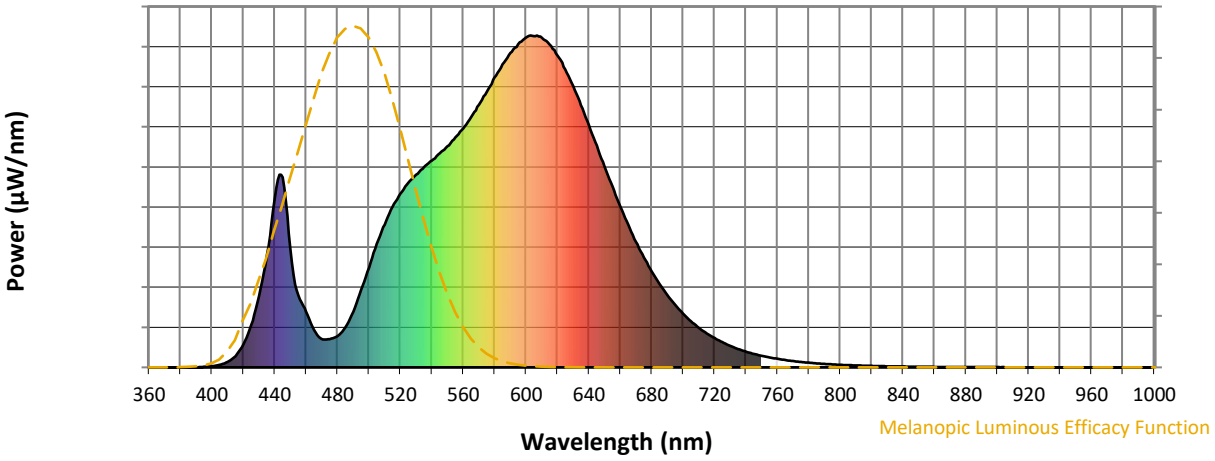
Melanopic Flux vs. Wavelength



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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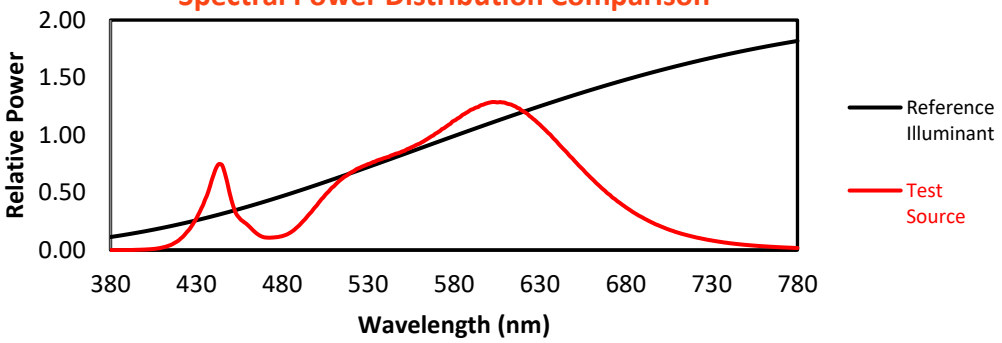
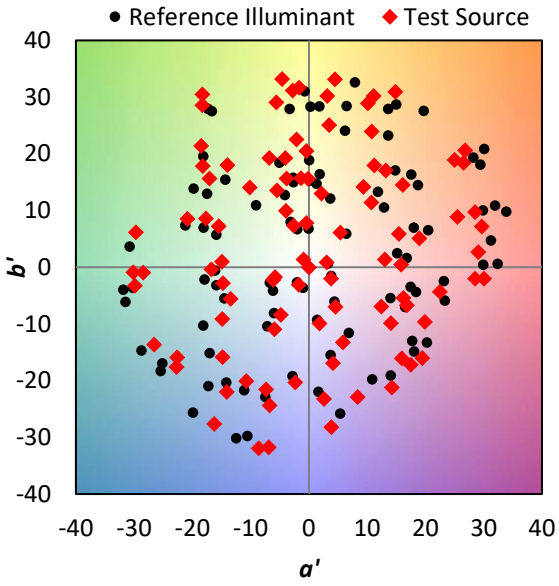
Summary

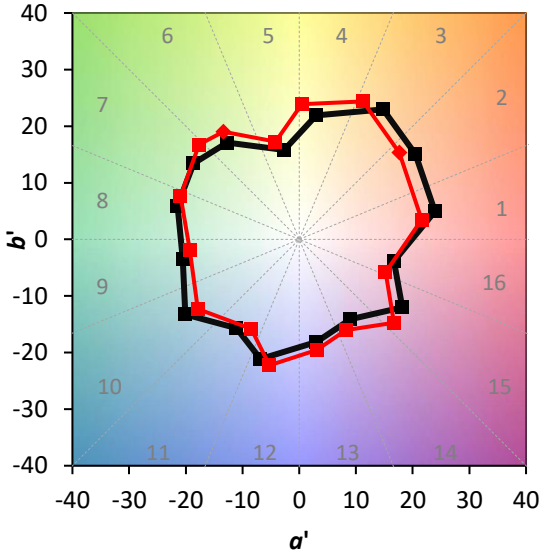
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

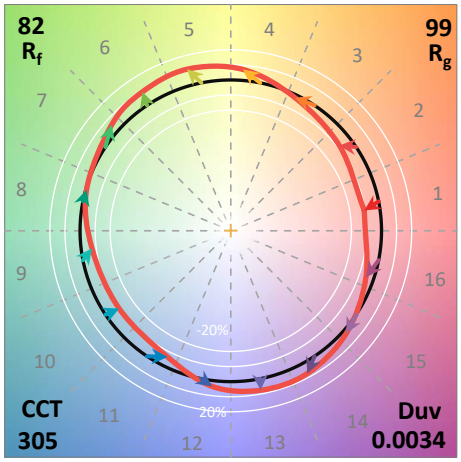
Spectral Power Distribution Comparison

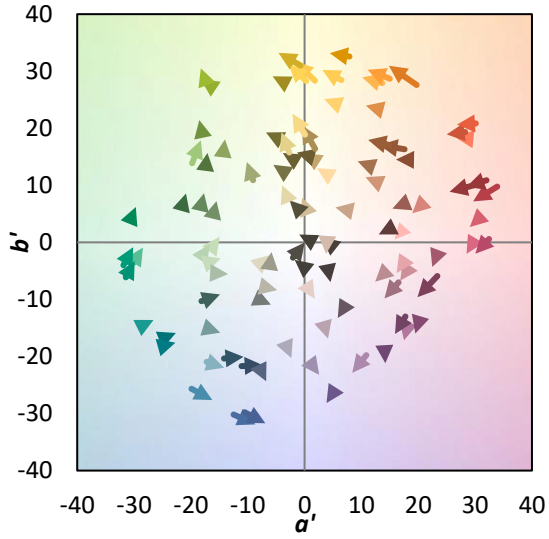


Color Vector Graphics









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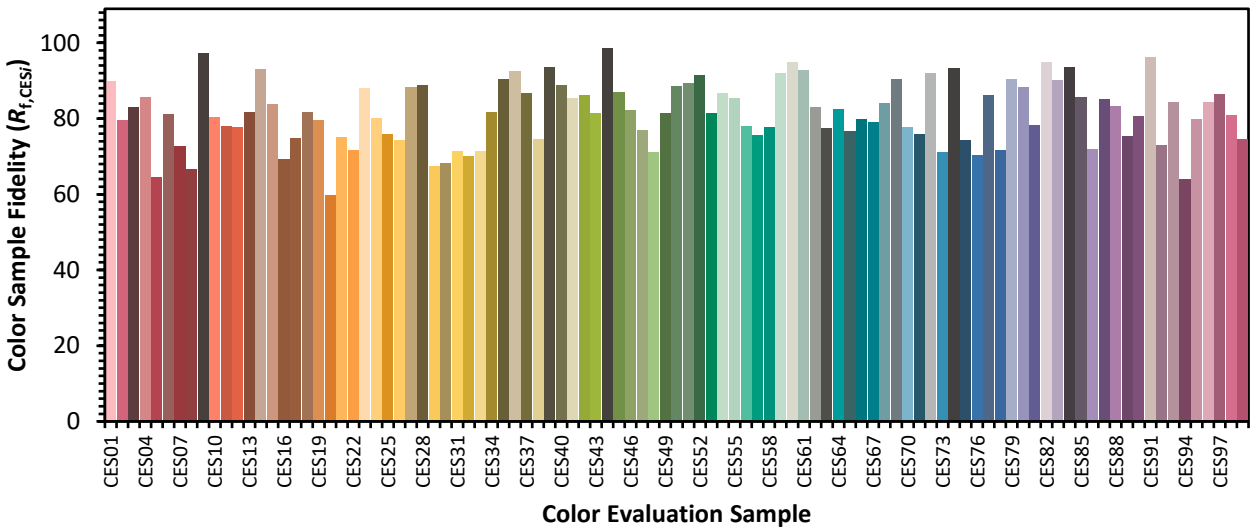
Individual Sample Fidelity Index ($R_{f,i}$)

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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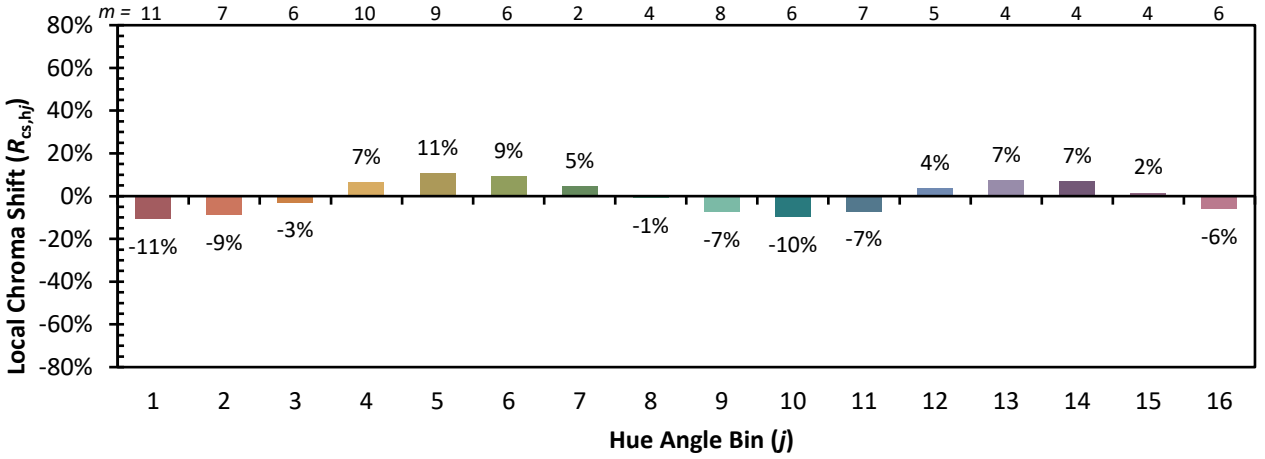
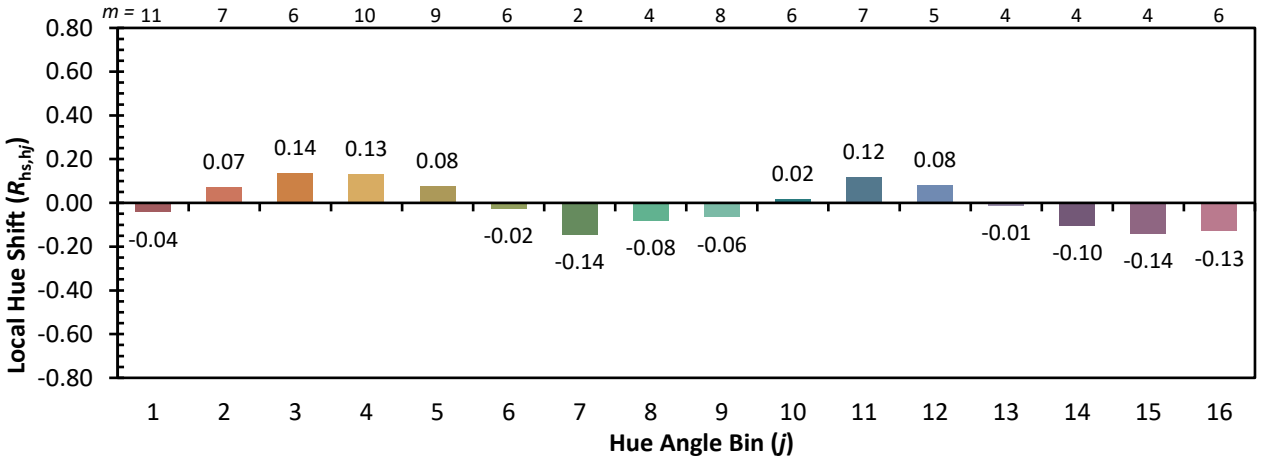
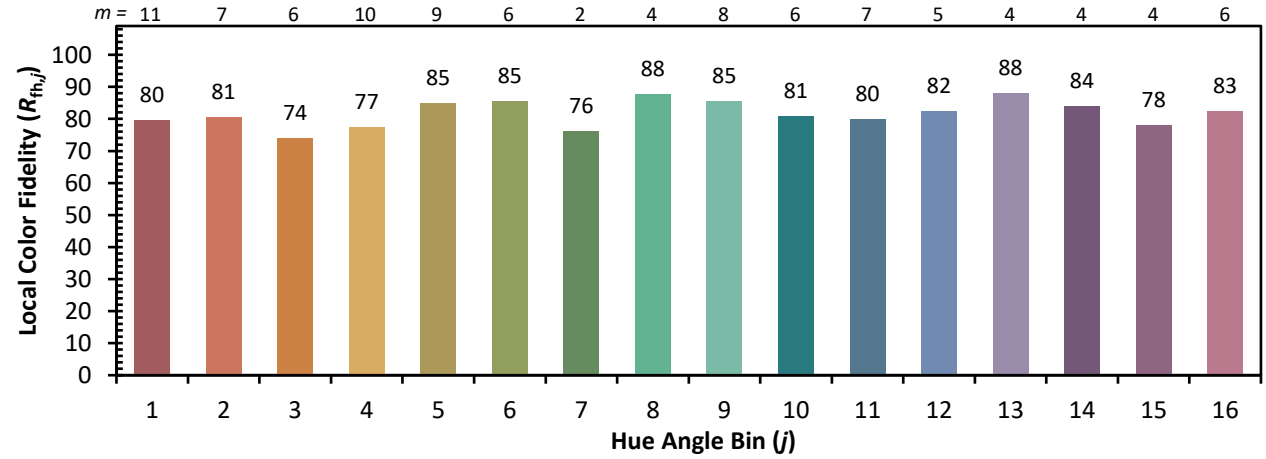
Color Rendition by Hue-Angle Bin







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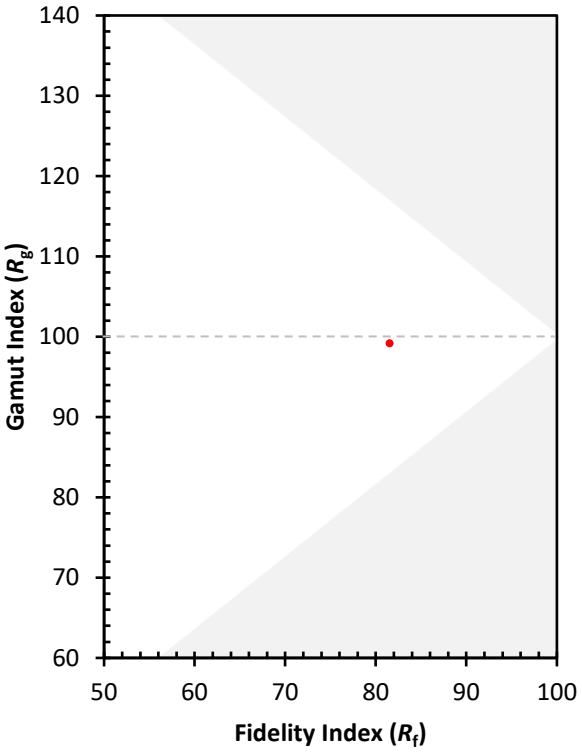
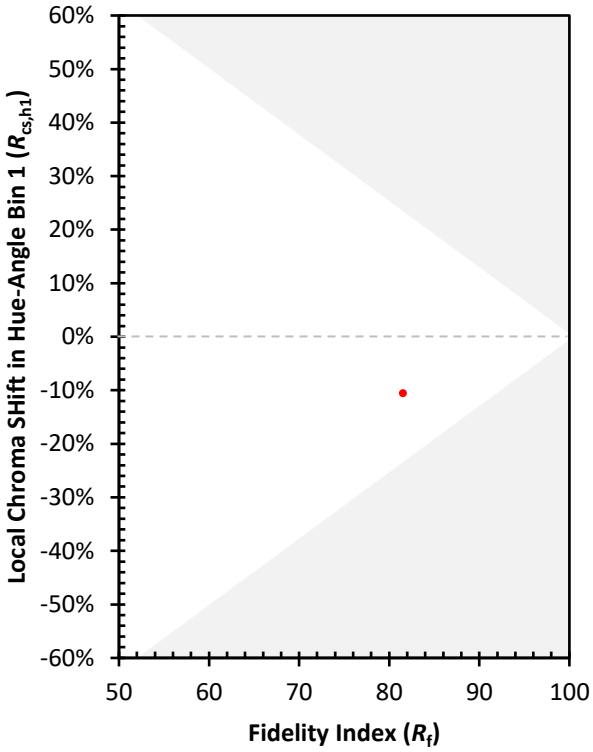
Measure Comparisons





(END OF REPORT)