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: P643941

Luminaire Tested: GWS-SA6F-830-U-T3-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:	P643941
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-T3-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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:	24414.5 lumens
Efficiency:	N/A
Efficacy:	65.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	372.6
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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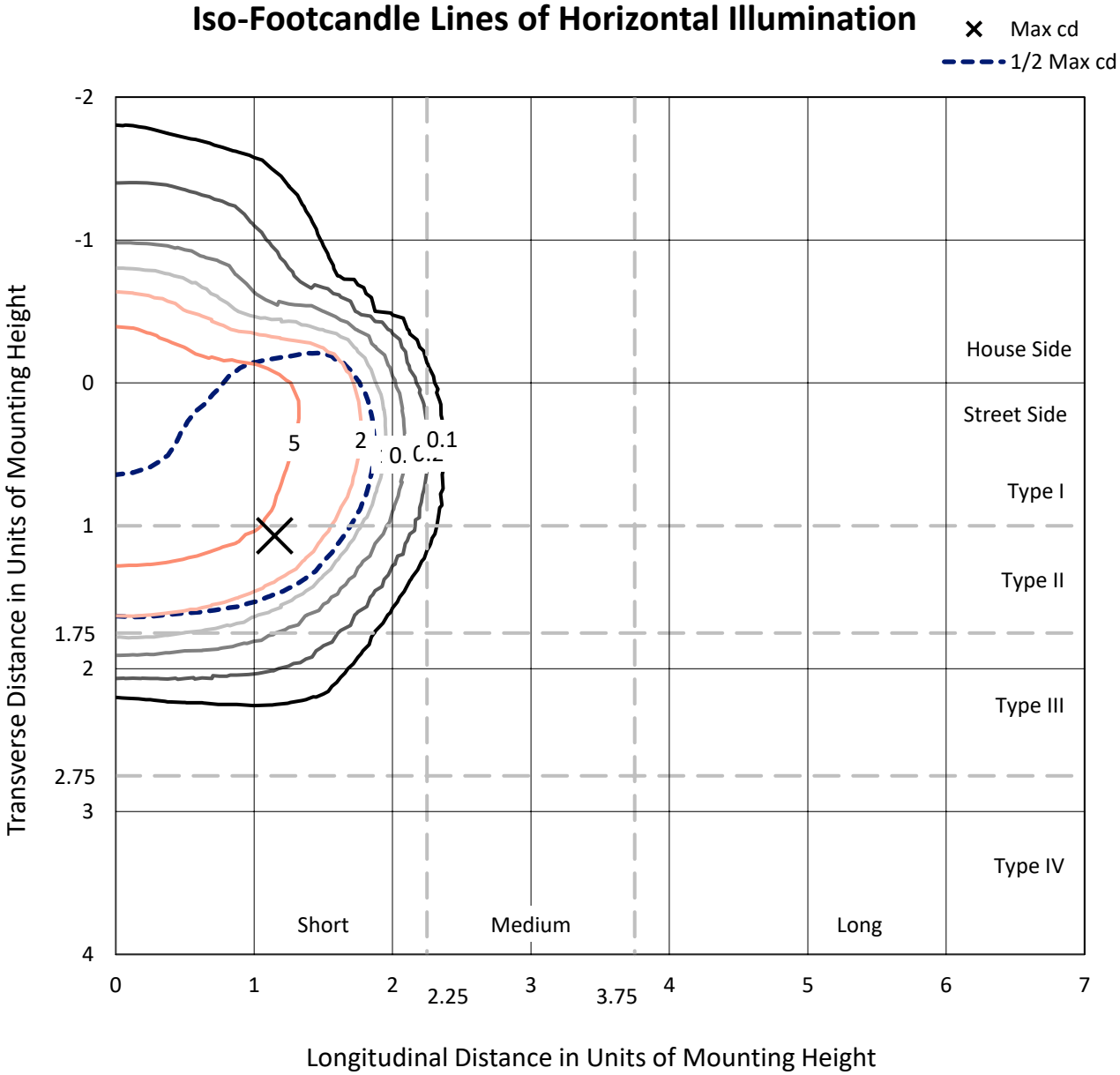
Scaled Data Report

REPORT NUMBER: P643941
CATALOG NUMBER: GWS-SA6F-830-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
Type II - Short - N/A

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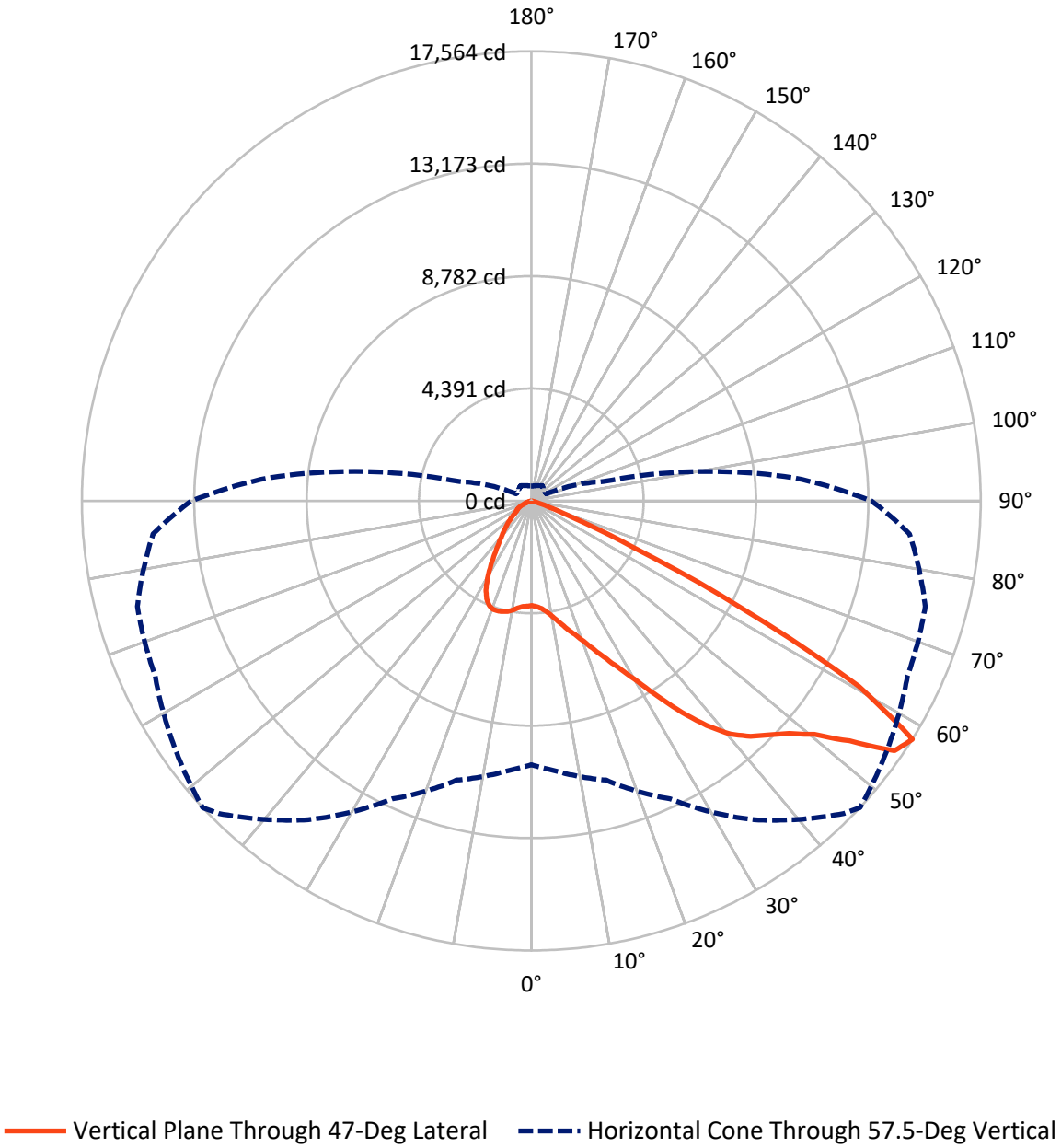
Luminous Intensity Polar Plot



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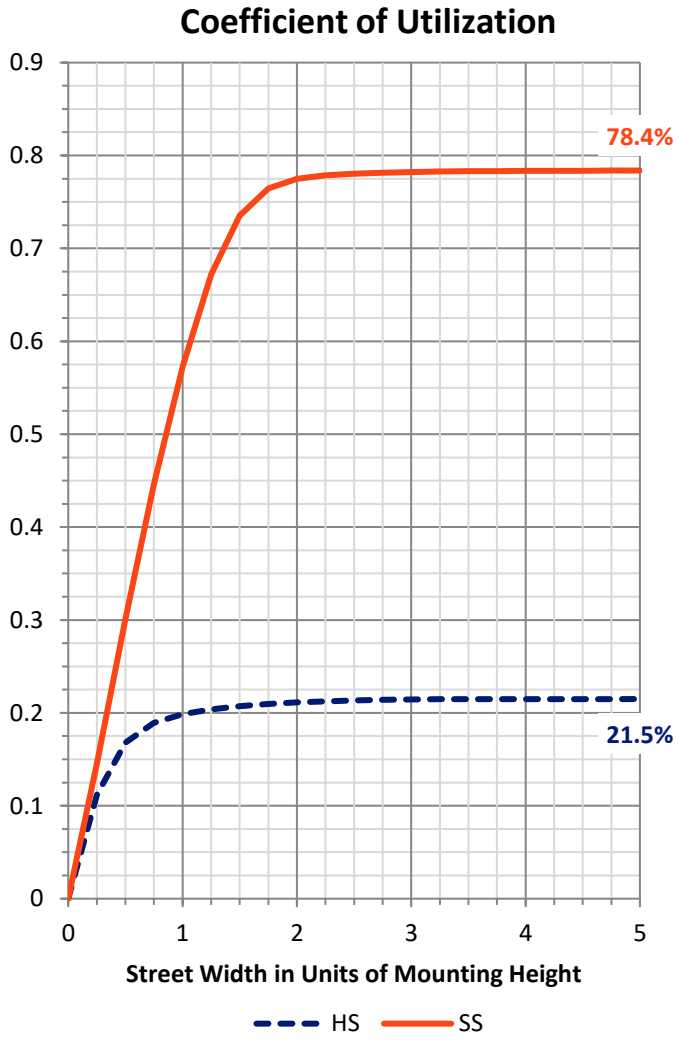
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5296.7	0.0	5296.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	19117.8	0.0	19117.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	24414.5	0.0	24414.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.6	1.7
10°-20°	1372.0	5.6
20°-30°	2547.5	10.4
30°-40°	4078.0	16.7
40°-50°	5961.1	24.4
50°-60°	7357.1	30.1
60°-70°	2458.3	10.1
70°-80°	229.1	0.9
80°-90°	4.7	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°	24414.5	100.0
0°-180°	24414.5	100.0



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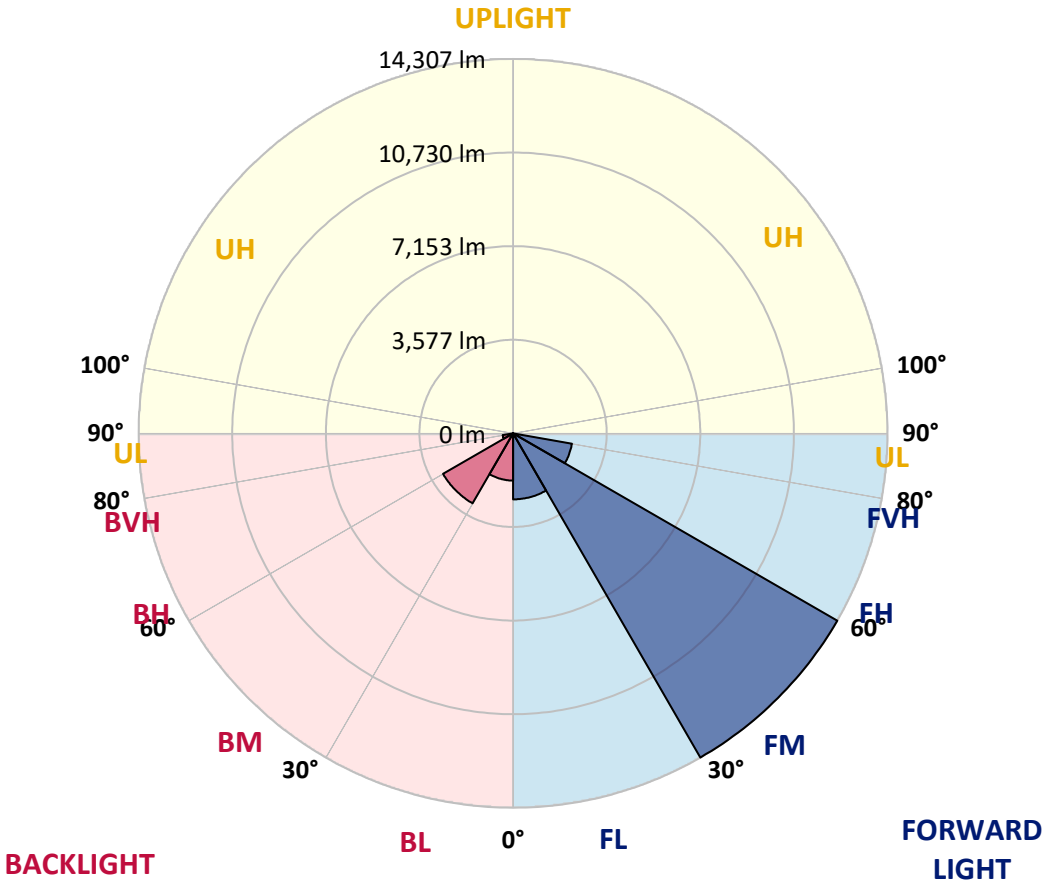
REPORT NUMBER: P643941
CATALOG NUMBER: GWS-SA6F-830-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2523.2	10.3			
FM	(30°-60°)	14306.7	58.6			
FH	(60°-80°)	2284.7	9.4			G2/5000
FVH	(80°-90°)	3.2	0.0			G0/10
BL	(0°-30°)	1802.9	7.4	B3/2500		
BM	(30°-60°)	3089.6	12.7	B3/5000		
BH	(60°-80°)	402.7	1.6	B1/500		G1/500
BVH	(80°-90°)	1.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type II Short



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REPORT NUMBER: P643941
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4087.0	4087.0	4087.0	4087.0	4087.0	4087.0	*4087.0*	4087.0	4087.0	4087.0	4087.0
2.5°	4129.5	4126.7	4123.9	4140.9	4135.2	4132.4	*4138.0*	4138.0	4138.0	4121.0	4087.0
5°	4228.7	4228.7	4225.9	4242.9	4228.7	4220.2	*4223.1*	4223.1	4211.7	4180.5	4138.0
7.5°	4384.6	4378.9	4373.3	4390.3	4376.1	4373.3	*4378.9*	4361.9	4342.1	4291.1	4231.6
10°	4608.5	4608.5	4600.0	4617.0	4605.7	4600.0	*4600.0*	4588.7	4551.8	4472.5	4384.6
12.5°	4917.5	4903.3	4883.4	4869.3	4863.6	4860.8	*4863.6*	4846.6	4806.9	4704.9	4583.0
15°	5254.7	5243.4	5212.2	5189.5	5158.4	5152.7	*5169.7*	5155.5	5115.9	4977.0	4804.1
17.5°	5679.9	5694.0	5614.7	5566.5	5475.8	5470.1	*5475.8*	5498.5	5470.1	5291.6	5039.3
20°	6042.7	6054.0	5994.5	5960.5	5878.3	5841.4	*5852.8*	5889.6	5858.4	5648.7	5297.2
22.5°	6431.0	6445.1	6382.8	6311.9	6275.1	6275.1	*6317.6*	6368.6	6326.1	6051.2	5592.0
25°	6895.8	6907.1	6856.1	6762.6	6697.4	6779.6	*6841.9*	6978.0	6907.1	6533.0	5940.6
27.5°	7428.6	7431.4	7357.8	7261.4	7227.4	7380.4	*7442.8*	7652.5	7624.2	7074.3	6309.1
30°	7998.3	8001.1	7984.1	7918.9	7887.8	8089.0	*8174.0*	8477.3	8457.5	7746.1	6810.7
32.5°	8590.7	8590.7	8621.8	8616.2	8653.0	8981.8	*9117.8*	9463.6	9443.8	8568.0	7434.3
35°	9185.9	9188.7	9242.5	9378.6	9531.6	9968.1	*10146.7*	10566.1	10520.8	9551.5	8230.7
37.5°	9863.3	9834.9	9908.6	10112.7	10452.8	10957.3	*11127.3*	11527.0	11475.9	10557.6	9270.9
40°	10679.5	10628.5	10628.5	10866.6	11252.0	11833.1	*11977.6*	12176.0	12003.1	11371.1	10291.2
42.5°	11580.8	11532.6	11470.3	11680.0	12003.1	12456.6	*12575.6*	12521.8	12380.1	12139.2	11453.3
45°	12493.5	12419.8	12462.3	12589.8	12776.9	12992.3	*13037.6*	12788.2	12723.0	12791.0	12414.1
47.5°	13187.8	13136.8	13241.7	13420.3	13573.3	13604.5	*13573.3*	13227.5	13221.9	13462.8	13080.1
50°	13420.3	13425.9	13715.0	14106.1	14352.7	14378.2	*14335.7*	13938.9	13885.1	13955.9	13440.1
52.5°	13442.9	13465.6	13887.9	14633.3	15305.0	15611.1	*15577.1*	15149.2	14622.0	14545.5	13984.3
55°	12895.9	13029.1	13618.7	14707.0	16135.5	17113.3	*17226.7*	16407.6	15625.3	15560.1	15154.8
57.5°	*10308.2*	*10580.3*	*11291.7*	*12842.1*	*15208.7*	*17269.2*	*17564.0*	*16974.4*	*16217.7*	*15939.9*	*14840.2*
60°	6161.7	6499.0	7182.0	9083.8	11575.1	14194.0	*14701.3*	14783.5	14434.9	13632.8	11385.3
62.5°	2644.4	2616.0	3457.8	4914.6	6884.4	9021.5	*9251.0*	9608.2	9911.4	9072.5	6909.9
65°	907.0	986.3	1371.8	2216.4	3446.5	4189.0	*4393.1*	4713.4	5144.2	4245.7	2531.0
67.5°	561.2	595.2	790.8	1309.4	1859.3	1830.9	*1740.2*	1689.2	1643.9	1125.2	694.4
70°	408.1	436.5	555.5	901.3	1249.9	878.6	*762.4*	617.9	685.9	632.0	493.2
72.5°	274.9	297.6	382.6	547.0	640.5	428.0	*396.8*	450.6	544.2	518.7	402.5
75°	164.4	178.6	218.2	266.4	260.8	221.1	*223.9*	317.4	416.6	388.3	286.3
77.5°	113.4	119.0	144.5	172.9	127.5	68.0	*62.4*	87.9	141.7	141.7	96.4
80°	28.3	36.8	36.8	22.7	19.8	17.0	*17.0*	25.5	39.7	28.3	14.2
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	*2.8*	5.7	5.7	5.7	5.7
85°	0.0	0.0	2.8	2.8	2.8	2.8	*2.8*	2.8	5.7	5.7	5.7
87.5°	0.0	0.0	2.8	2.8	2.8	2.8	*2.8*	2.8	2.8	5.7	5.7
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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CATALOG NUMBER: GWS-SA6F-830-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4087.0	4087.0	4087.0	4087.0	4087.0	4087.0	4087.0	4087.0	4087.0	4087.0	4087.0
2.5°	4106.9	4072.8	4095.5	4089.8	4106.9	4112.5	4087.0	4081.3	4084.2	4050.2	4038.8
5°	4146.5	4106.9	4118.2	4106.9	4126.7	4143.7	4135.2	4146.5	4160.7	4135.2	4123.9
7.5°	4231.6	4191.9	4189.0	4172.0	4200.4	4211.7	4208.9	4240.1	4268.4	4251.4	4234.4
10°	4378.9	4325.1	4319.4	4305.3	4313.8	4322.3	4291.1	4296.7	4322.3	4302.4	4293.9
12.5°	4560.3	4495.1	4481.0	4447.0	4447.0	4404.5	4336.4	4322.3	4342.1	4327.9	4313.8
15°	4755.9	4668.0	4645.4	4585.8	4529.2	4449.8	4378.9	4361.9	4376.1	4359.1	4347.8
17.5°	4974.1	4874.9	4801.2	4696.4	4571.7	4478.1	4398.8	4361.9	4339.3	4305.3	4302.4
20°	5189.5	5059.2	4934.5	4767.2	4602.9	4461.1	4330.8	4234.4	4152.2	4101.2	4081.3
22.5°	5439.0	5246.2	5045.0	4809.8	4574.5	4359.1	4129.5	3965.1	3823.4	3775.2	3752.6
25°	5705.4	5456.0	5155.5	4849.4	4478.1	4132.4	3820.6	3576.8	3389.8	3327.4	3301.9
27.5°	6000.1	5657.2	5268.9	4840.9	4279.7	3809.3	3395.5	3092.2	2908.0	2851.3	2871.1
30°	6374.3	5918.0	5410.6	4753.1	3982.1	3355.8	2871.1	2616.0	2477.1	2423.3	2426.1
32.5°	6873.1	6292.1	5617.5	4566.0	3599.5	2839.9	2414.8	2227.7	2134.2	2063.3	2057.7
35°	7587.3	6861.8	5810.2	4265.6	3134.7	2380.8	2071.8	1924.5	1794.1	1711.9	1726.1
37.5°	8443.3	7578.8	5915.1	3860.3	2613.2	2023.7	1813.9	1663.7	1516.3	1394.5	1408.6
40°	9458.0	8517.0	5906.6	3327.4	2137.0	1779.9	1598.5	1422.8	1238.6	1128.0	1139.4
42.5°	10588.8	9404.1	5722.4	2763.4	1771.4	1581.5	1391.6	1170.6	992.0	924.0	926.8
45°	11569.5	10124.0	5399.3	2179.6	1490.8	1388.8	1176.2	949.5	870.1	821.9	819.1
47.5°	12295.1	10651.2	4937.3	1714.7	1264.1	1213.1	966.5	850.3	787.9	748.2	742.6
50°	12700.4	10835.4	4427.1	1343.4	1068.5	1028.8	864.5	770.9	728.4	702.9	697.2
52.5°	13244.5	11056.5	4061.5	1060.0	895.6	841.8	796.4	717.1	688.7	668.9	660.4
55°	14106.1	11484.5	3744.1	841.8	745.4	734.1	751.1	685.9	668.9	637.7	626.4
57.5°	*13295.5*	*10316.7*	*2908.0*	*651.9*	*629.2*	*671.7*	*725.6*	*654.7*	*612.2*	*583.9*	*572.5*
60°	9355.9	6858.9	1462.5	524.3	561.2	629.2	683.1	592.4	549.8	555.5	549.8
62.5°	5158.4	3432.3	657.6	439.3	487.5	555.5	583.9	513.0	484.7	532.8	541.3
65°	1686.4	1167.7	379.8	340.1	385.5	453.5	504.5	487.5	481.8	538.5	555.5
67.5°	518.7	385.5	257.9	243.7	266.4	334.4	425.1	527.2	566.9	583.9	592.4
70°	388.3	303.3	221.1	206.9	218.2	255.1	360.0	439.3	413.8	416.6	411.0
72.5°	311.8	240.9	189.9	181.4	181.4	175.7	189.9	238.1	269.3	283.4	283.4
75°	218.2	170.1	144.5	133.2	104.9	85.0	76.5	76.5	68.0	65.2	62.4
77.5°	73.7	62.4	56.7	45.3	31.2	25.5	22.7	19.8	14.2	8.5	5.7
80°	11.3	8.5	5.7	5.7	5.7	2.8	2.8	2.8	0.0	0.0	0.0
82.5°	5.7	5.7	5.7	5.7	5.7	2.8	2.8	0.0	0.0	0.0	0.0
85°	5.7	5.7	5.7	5.7	5.7	2.8	2.8	0.0	0.0	0.0	0.0
87.5°	5.7	5.7	5.7	5.7	2.8	2.8	2.8	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

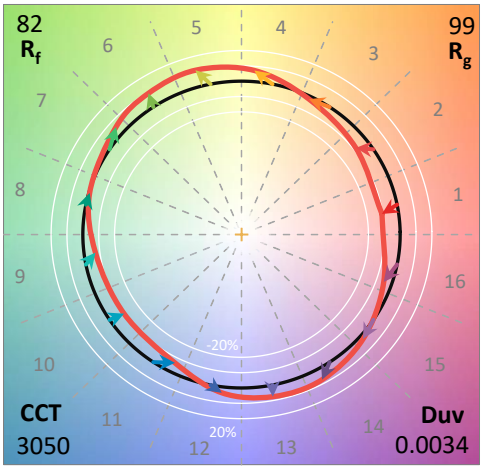
Test Information

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

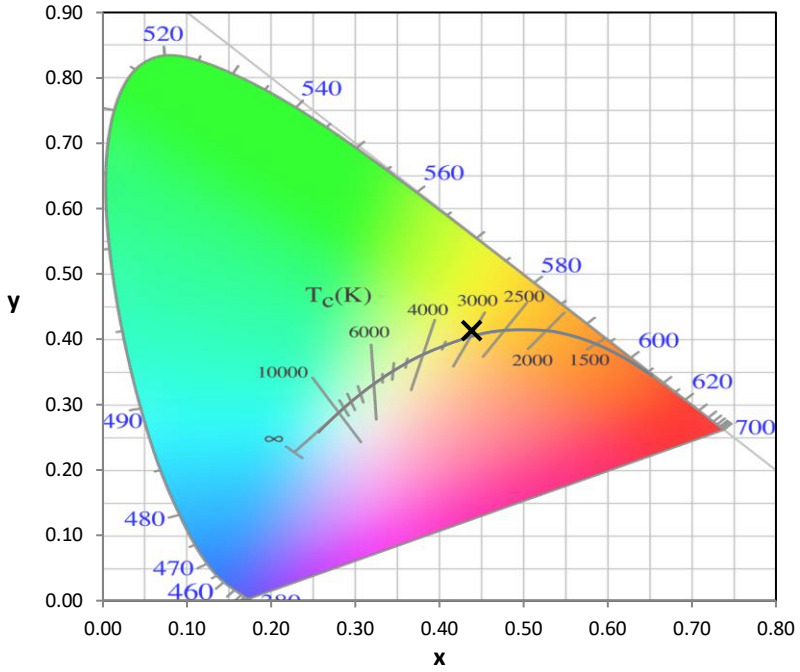
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

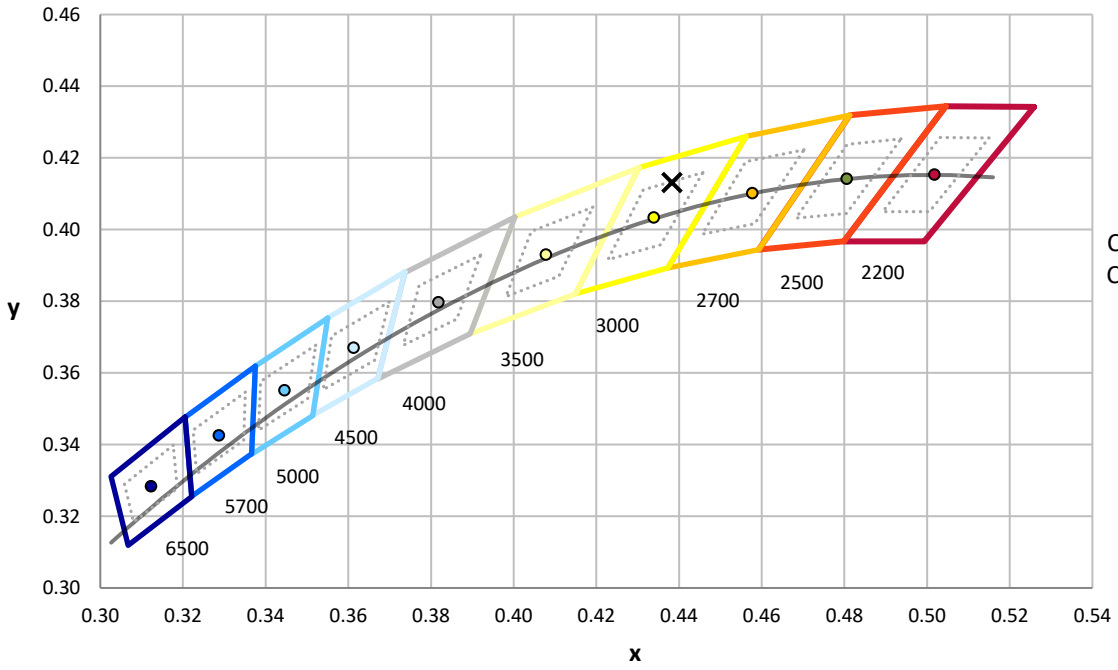
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

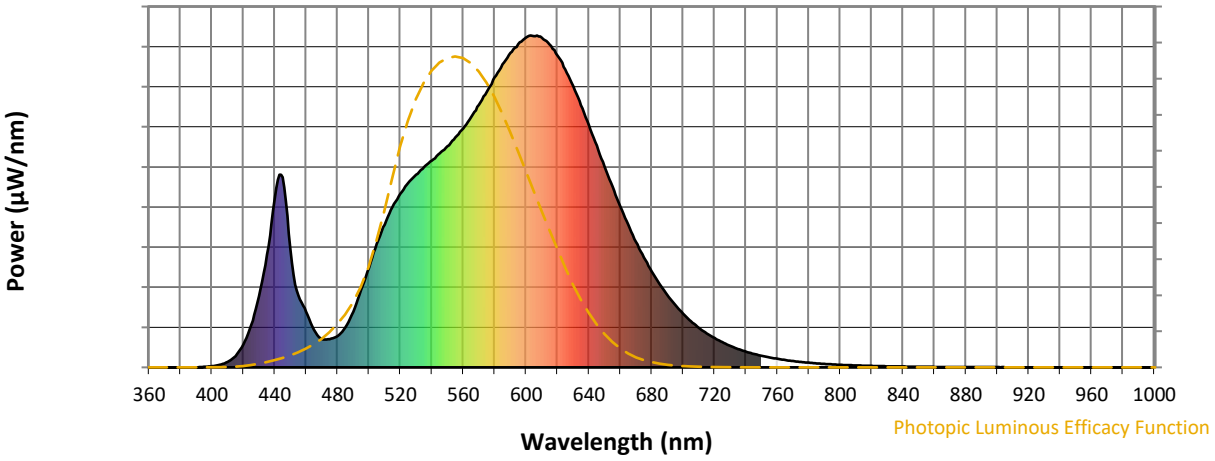


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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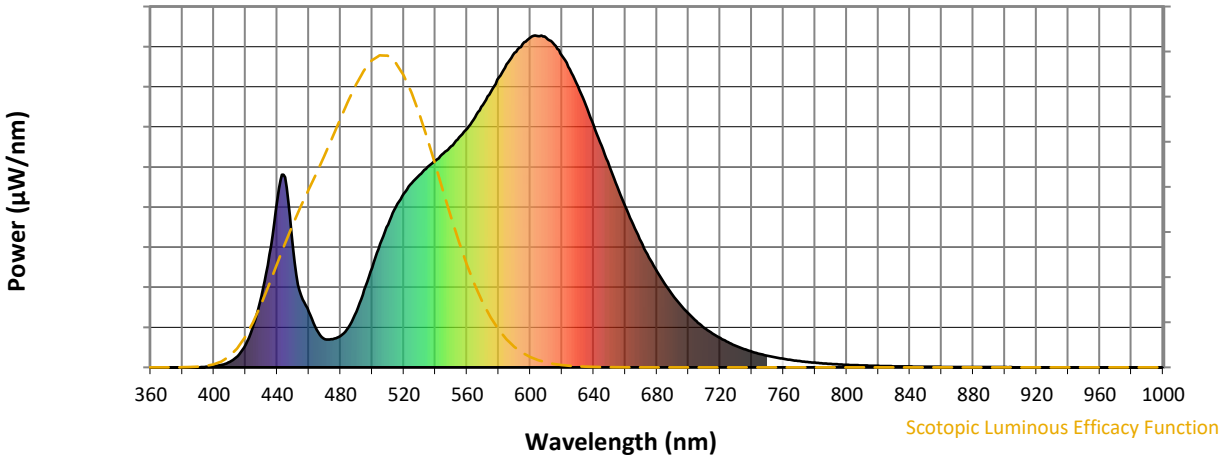
Scotopic Flux vs. Wavelength



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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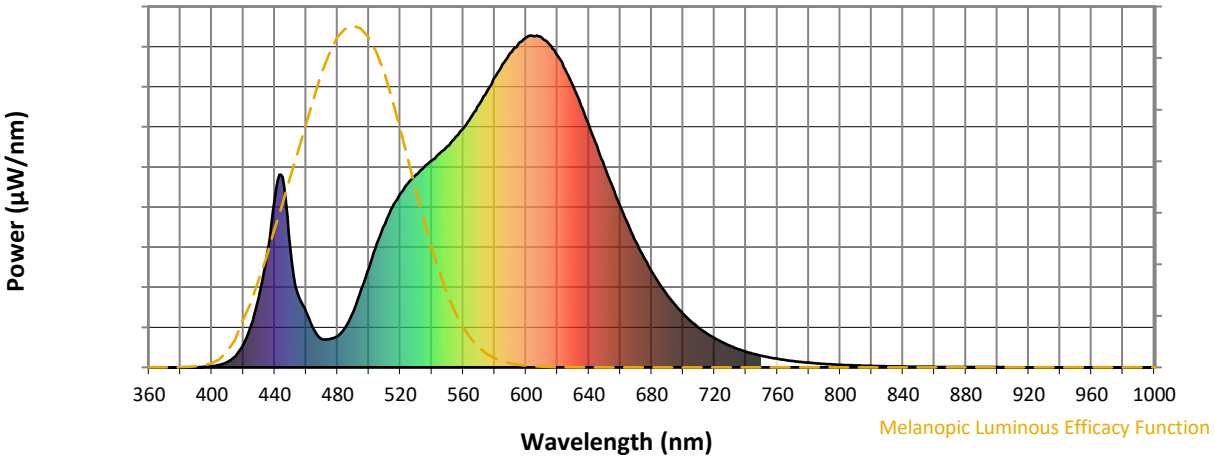
Melanopic Flux vs. Wavelength



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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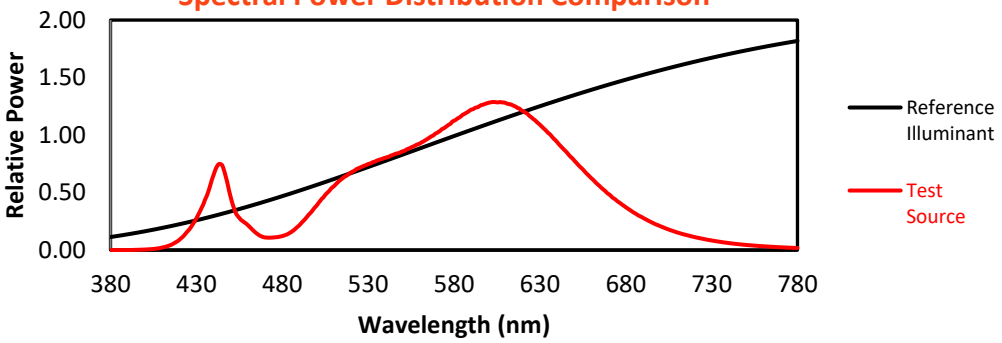
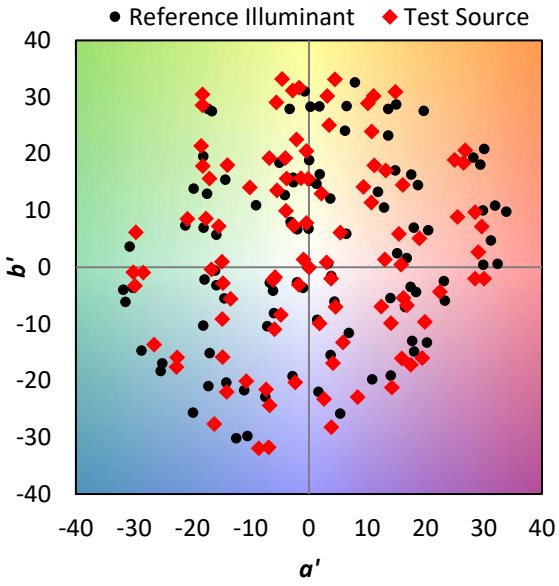
Summary

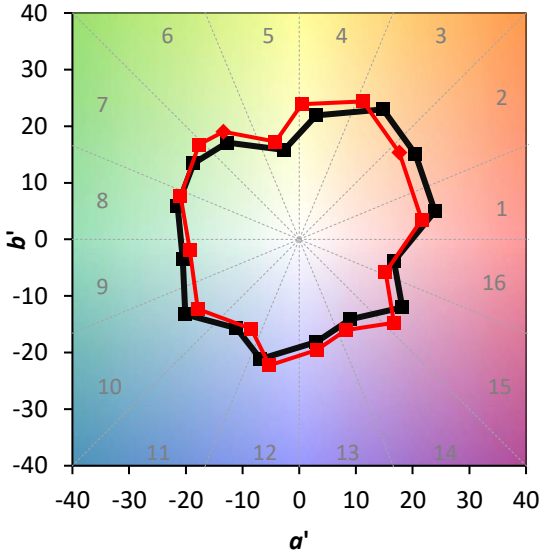
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

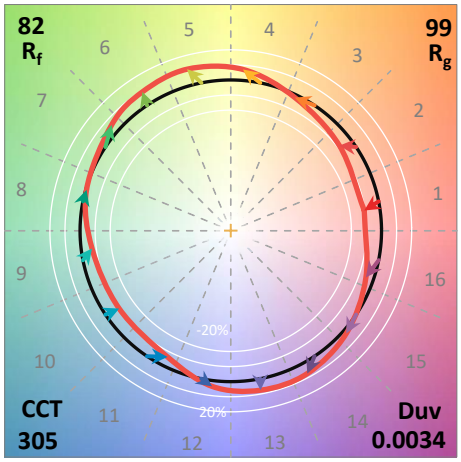
Spectral Power Distribution Comparison

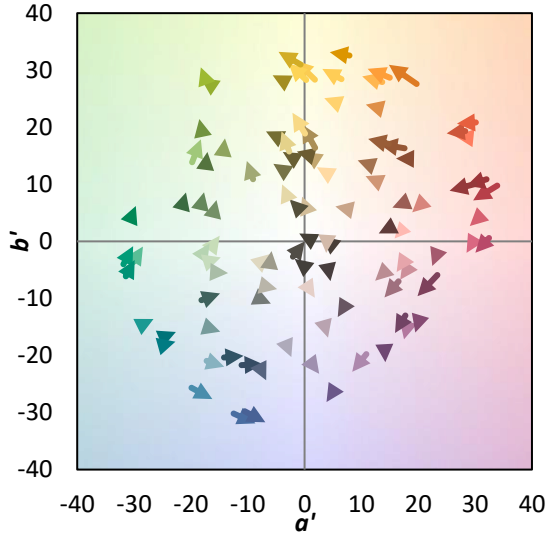


Color Vector Graphics









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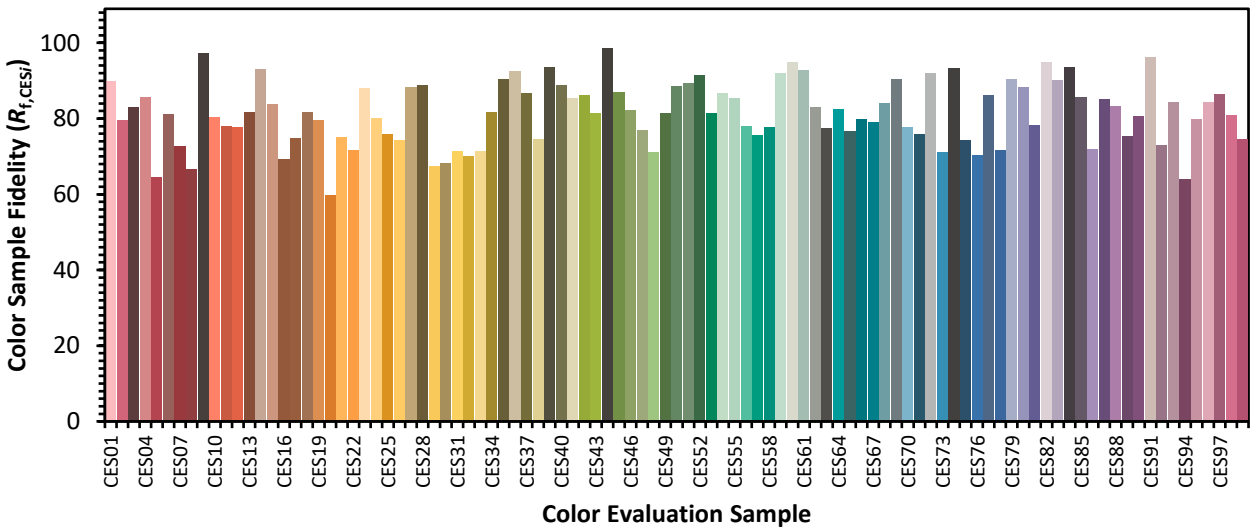
Individual Sample Fidelity Index ($R_{f,i}$)

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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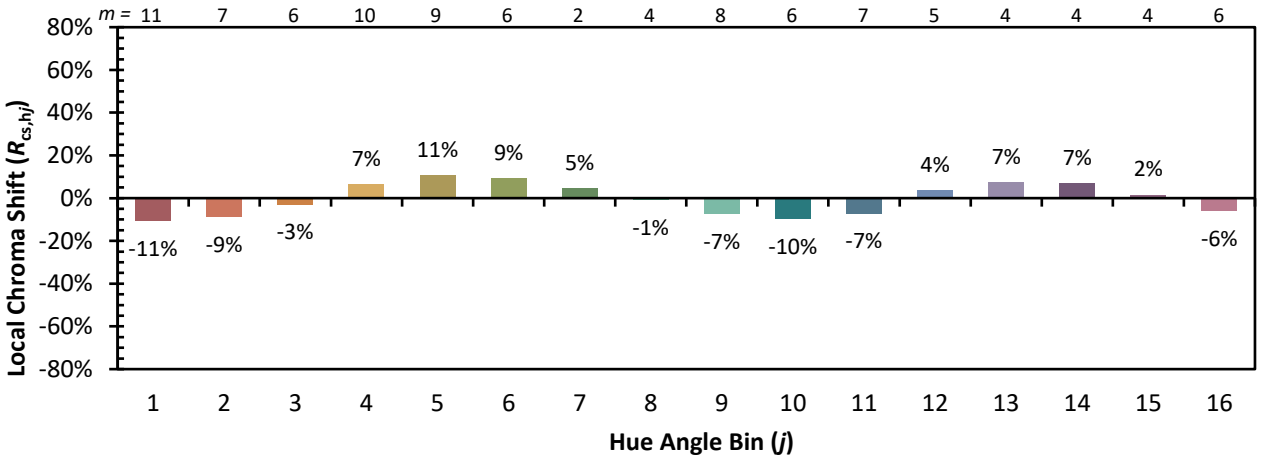
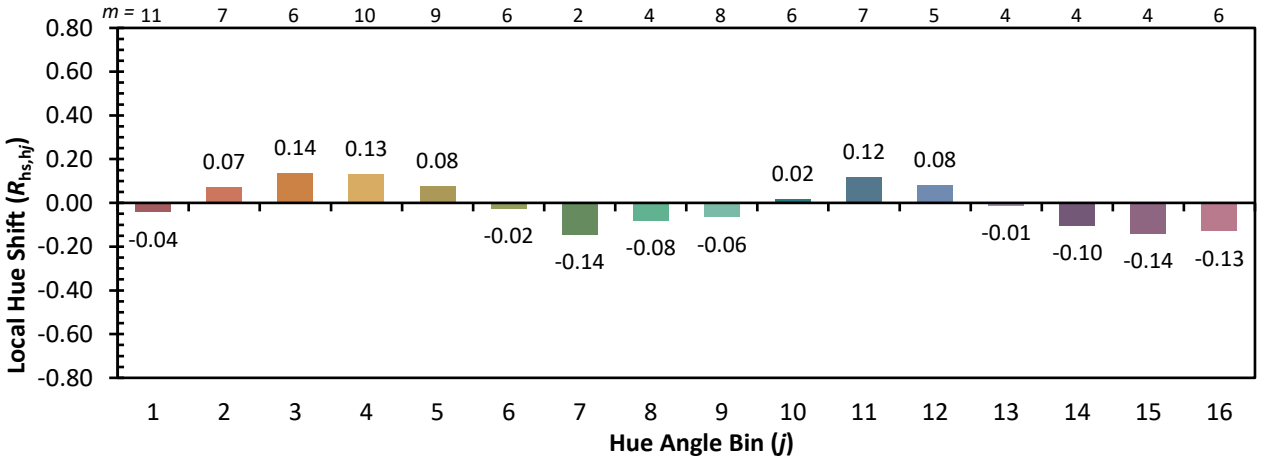
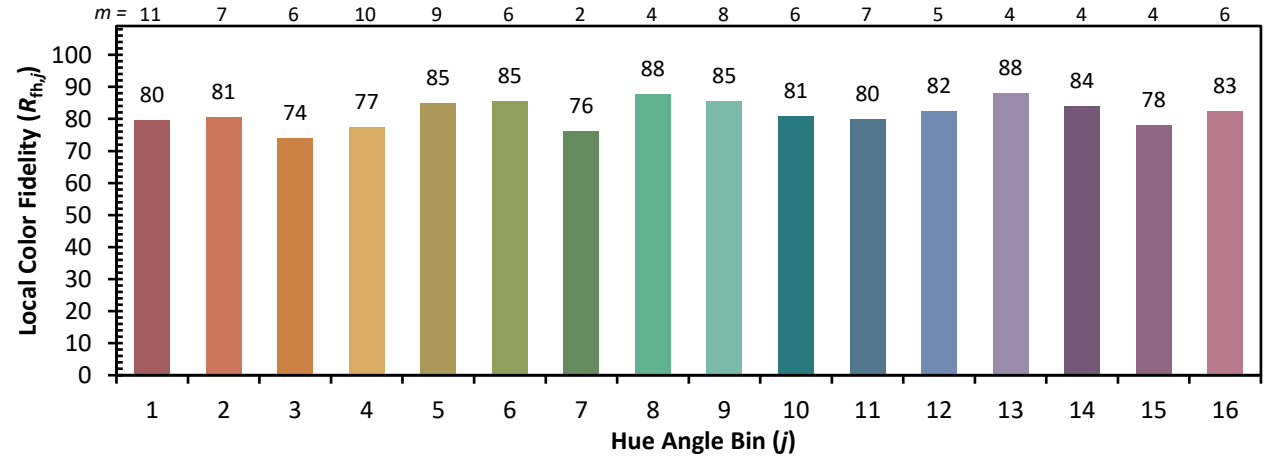
Color Rendition by Hue-Angle Bin







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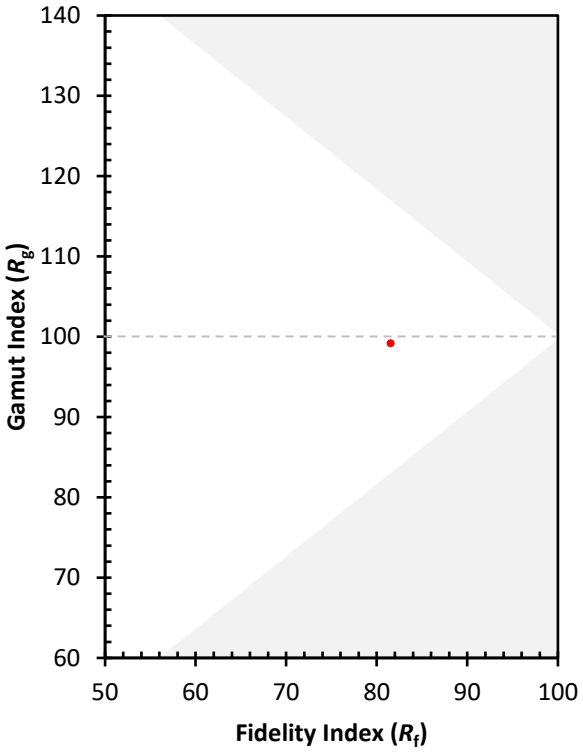
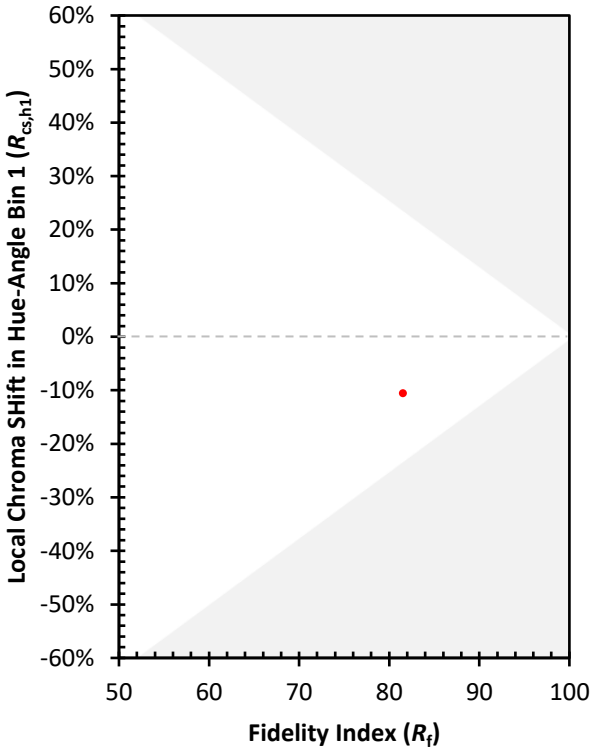
Measure Comparisons





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