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: P639960

Luminaire Tested: GWS-SA5C-830-U-SL3-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:	P639960
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA5C-830-U-SL3-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(80) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15320.8 lumens
Efficiency:	N/A
Efficacy:	97.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	157.5
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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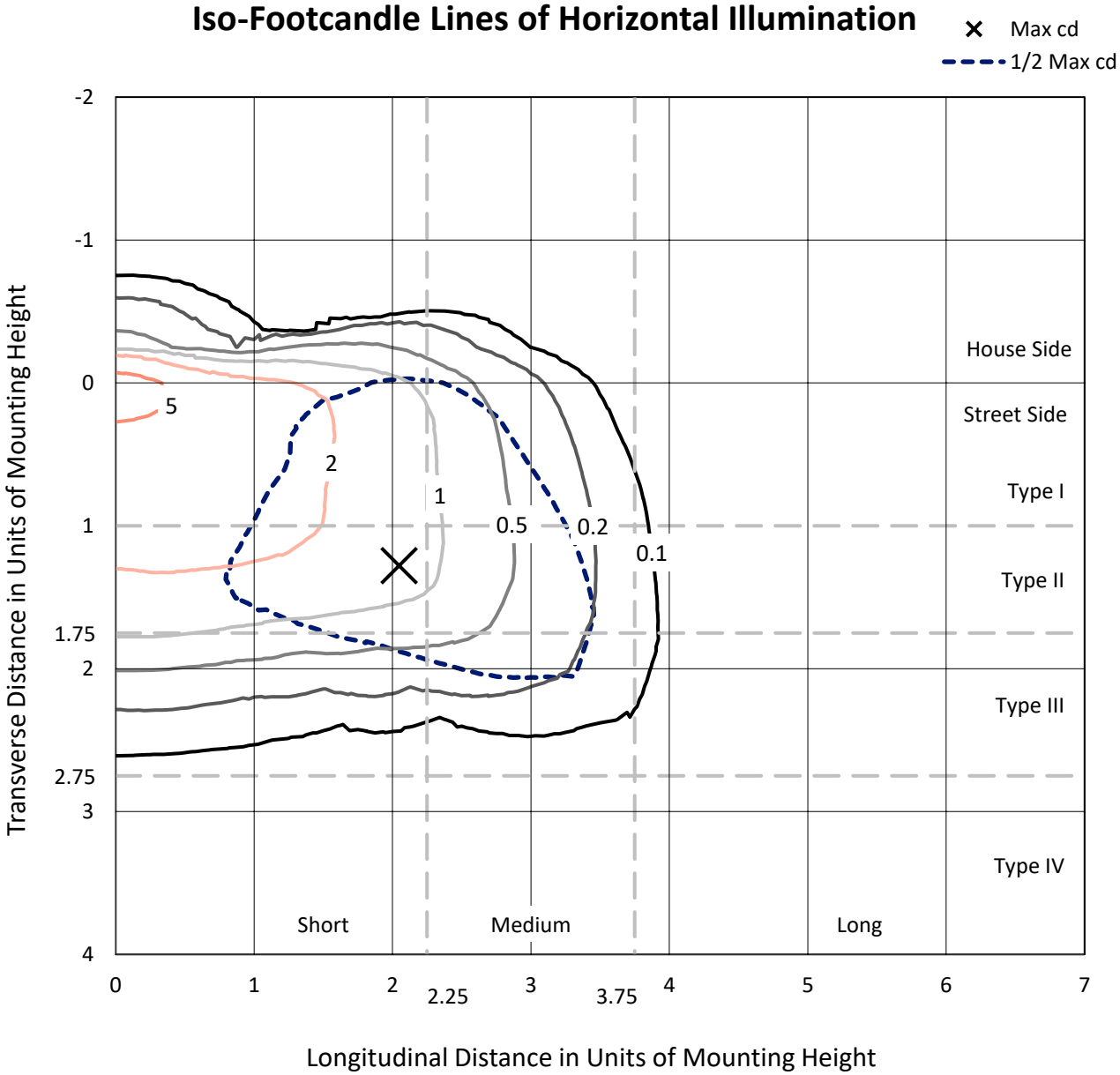
Scaled Data Report

REPORT NUMBER: P639960
CATALOG NUMBER: GWS-SA5C-830-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type III - Short - N/A

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REPORT NUMBER: P639960
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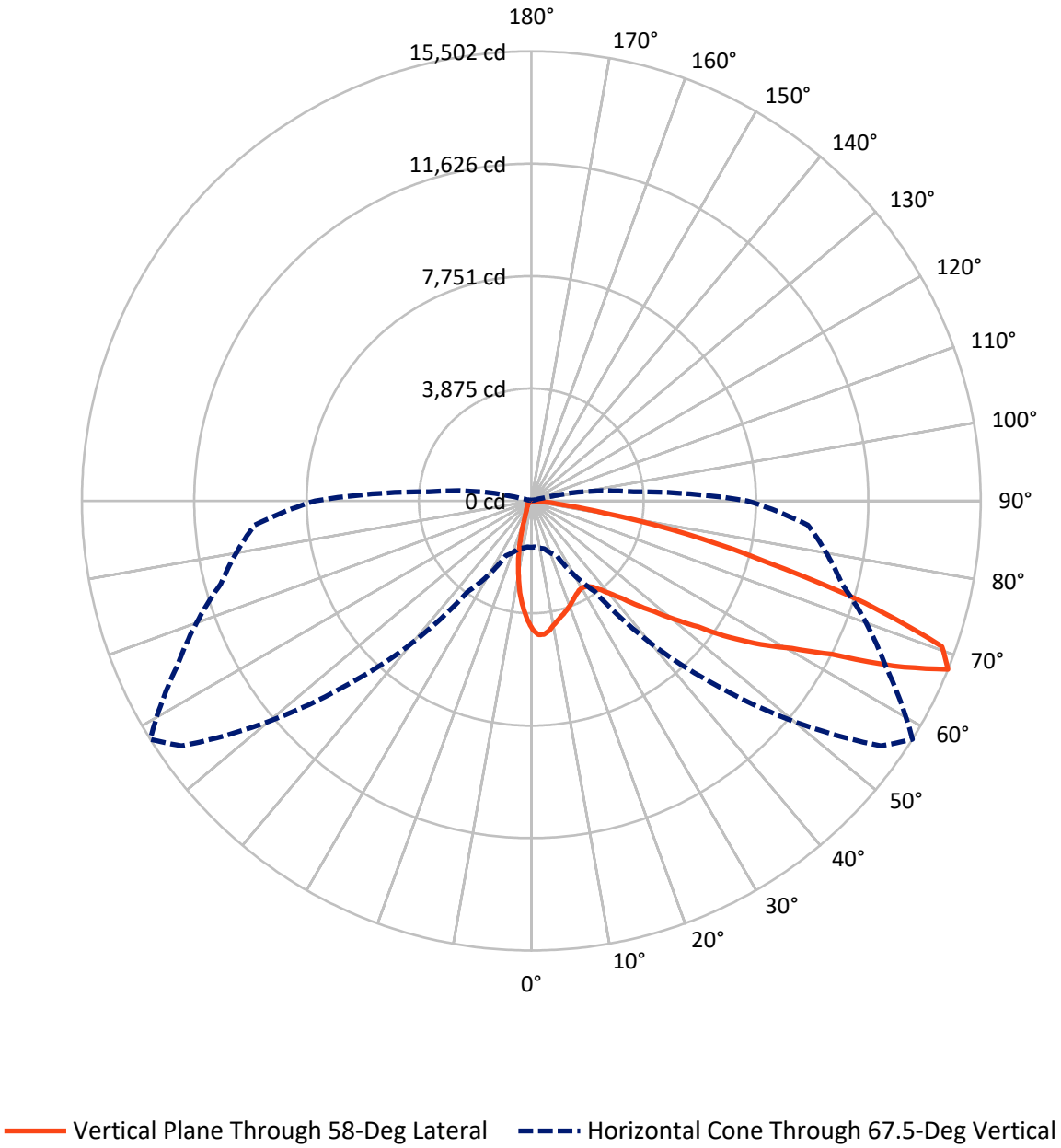
Luminous Intensity Polar Plot



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REPORT NUMBER: P639960
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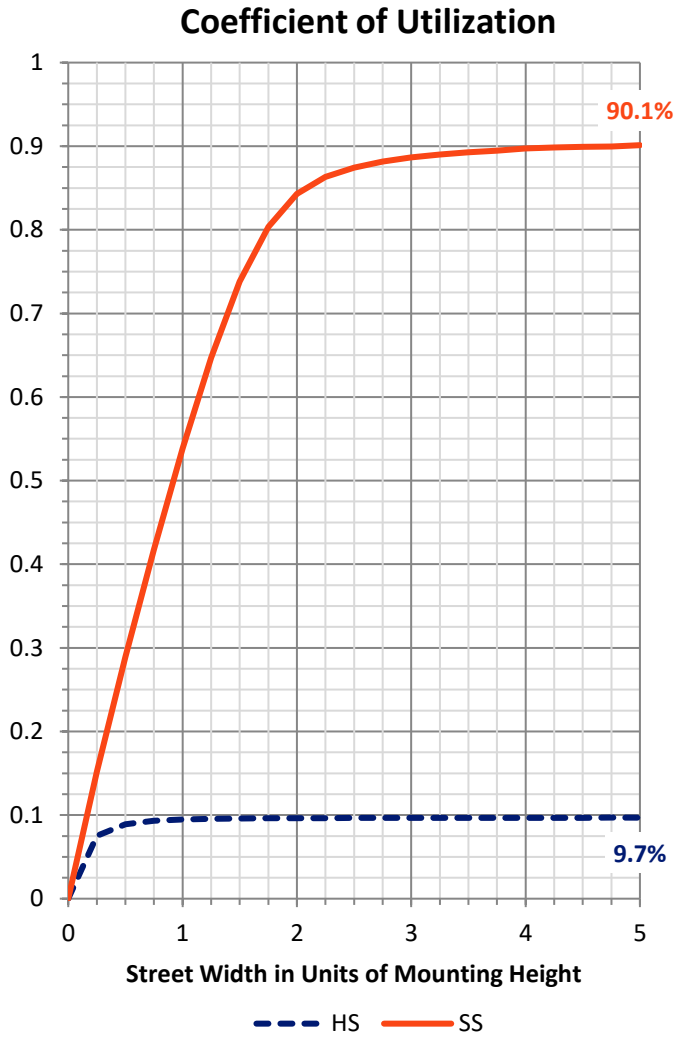
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1496.7	0.0	1496.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	13824.1	0.0	13824.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	15320.8	0.0	15320.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.1	2.3
10°-20°	747.5	4.9
20°-30°	1008.1	6.6
30°-40°	1416.6	9.2
40°-50°	2187.8	14.3
50°-60°	3498.5	22.8
60°-70°	4142.5	27.0
70°-80°	1832.5	12.0
80°-90°	128.1	0.8
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°	15320.8	100.0
0°-180°	15320.8	100.0



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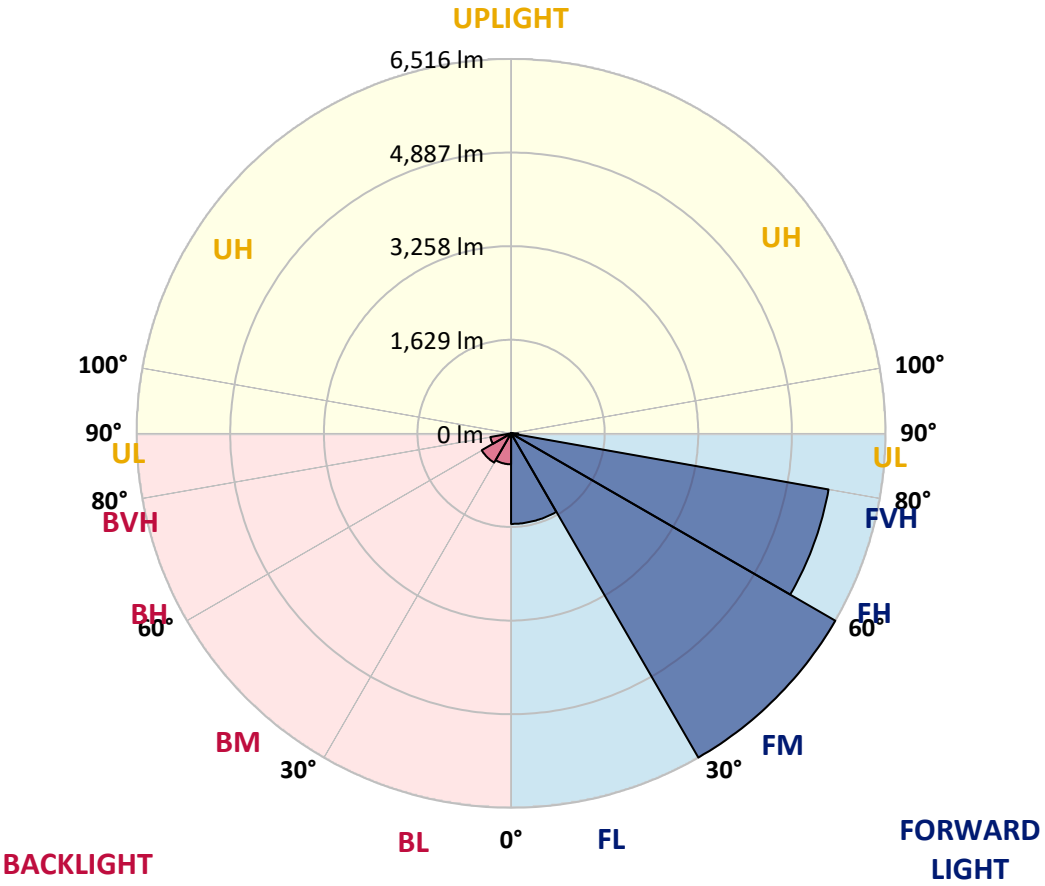
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1576.1	10.3			
FM	(30°-60°)	6515.6	42.5			
FH	(60°-80°)	5609.7	36.6			G3/7500
FVH	(80°-90°)	122.7	0.8			G2/225
BL	(0°-30°)	538.6	3.5	B2/1000		
BM	(30°-60°)	587.3	3.8	B1/1000		
BH	(60°-80°)	365.4	2.4	B1/500		G1/500
BVH	(80°-90°)	5.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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Scaled Data Report

REPORT NUMBER: P639960
CATALOG NUMBER: GWS-SA5C-830-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2
2.5°	4648.4	4656.5	4667.4	4680.9	4678.2	4666.0	4651.1	4617.2	4595.5	4527.7	4445.0
5°	4499.2	4497.9	4525.0	4550.8	4596.9	4621.3	4655.2	4624.0	4613.1	4531.8	4397.5
7.5°	4207.7	4222.6	4253.8	4294.5	4360.9	4432.8	4514.2	4504.7	4537.2	4483.0	4316.2
10°	3921.6	3913.4	3962.3	4023.3	4125.0	4217.2	4335.2	4333.8	4419.2	4413.8	4224.0
12.5°	3670.7	3669.4	3707.3	3776.5	3895.8	4024.6	4184.6	4188.7	4294.5	4337.9	4145.3
15°	3459.2	3461.9	3498.5	3570.4	3693.8	3851.1	4036.8	4070.7	4190.1	4278.2	4068.0
17.5°	3308.7	3310.0	3331.7	3394.1	3514.8	3682.9	3906.7	3952.8	4106.0	4233.5	4005.7
20°	3239.5	3234.1	3238.2	3269.3	3362.9	3516.1	3773.8	3833.4	4028.7	4202.3	3948.7
22.5°	3249.0	3240.9	3221.9	3217.8	3259.8	3376.5	3632.8	3706.0	3944.6	4183.3	3897.2
25°	3333.1	3315.4	3288.3	3247.6	3231.4	3289.7	3509.4	3585.3	3866.0	4184.6	3857.8
27.5°	3461.9	3442.9	3409.0	3354.8	3291.0	3266.6	3425.3	3497.2	3810.4	4215.8	3838.9
30°	3626.0	3611.1	3578.5	3513.4	3428.0	3327.6	3407.7	3467.3	3783.3	4279.6	3847.0
32.5°	3819.9	3809.0	3781.9	3722.2	3624.6	3471.4	3467.3	3513.4	3805.0	4371.8	3878.2
35°	4007.0	4011.1	4012.4	3979.9	3875.5	3689.7	3631.4	3647.7	3894.5	4510.1	3948.7
37.5°	4209.1	4199.6	4248.4	4271.4	4171.1	3973.1	3885.0	3886.3	4065.3	4714.8	4081.6
40°	4362.3	4365.0	4470.8	4565.7	4523.7	4332.5	4206.3	4205.0	4328.4	4995.5	4295.8
42.5°	4506.0	4523.7	4679.6	4842.3	4900.6	4731.1	4640.3	4606.4	4697.2	5375.2	4617.2
45°	4659.3	4685.0	4903.3	5135.2	5288.4	5188.1	5116.2	5129.8	5140.6	5817.3	5049.8
47.5°	4838.2	4854.5	5124.4	5451.2	5737.3	5711.5	5715.6	5699.3	5693.9	6374.6	5622.0
50°	5055.2	5093.2	5403.7	5794.2	6184.8	6355.6	6412.6	6419.4	6331.2	6982.1	6214.6
52.5°	5516.3	5562.4	5828.1	6169.8	6672.9	7032.3	7264.1	7218.0	7082.4	7570.6	6864.1
55°	6060.0	6095.3	6351.6	6705.5	7269.6	7774.0	8324.5	8305.6	7973.3	8190.3	7398.4
57.5°	6111.5	6150.9	6548.2	7090.6	8035.7	8690.7	9269.7	9330.7	8843.9	8629.6	7875.7
60°	5532.5	5612.5	6154.9	6884.5	8328.6	9923.3	10305.7	10317.9	9482.6	9075.8	8458.8
62.5°	4434.2	4472.1	5018.6	5970.5	7877.1	10642.0	11888.1	11630.5	10303.0	9766.0	9382.2
65°	2324.2	2478.8	2954.7	4008.4	6388.2	10391.1	13792.0	13721.5	11778.3	10754.5	10100.9
67.5°	1594.7	1593.3	1705.9	2089.6	3809.0	8947.0	14726.3	15501.9	13484.2	11093.5	9580.2
70°	1213.6	1217.7	1318.0	1567.5	1973.0	5955.6	13701.1	15027.3	13801.5	10072.4	7748.2
72.5°	805.5	813.6	980.4	1266.5	1575.7	2919.5	10647.4	12023.7	11612.9	8090.0	5453.9
75°	481.4	488.2	607.5	920.7	1400.8	1634.0	6765.1	8312.3	7993.7	5575.9	2923.6
77.5°	198.0	203.4	311.9	573.6	1025.1	1269.2	3741.2	5439.0	4788.1	2217.1	798.7
80°	82.7	85.4	150.5	401.4	739.0	796.0	1733.0	2556.1	1962.1	477.3	244.1
82.5°	29.8	31.2	55.6	221.0	459.7	599.4	874.6	1010.2	553.3	155.9	131.5
85°	1.4	1.4	13.6	74.6	174.9	169.5	500.4	484.1	183.1	65.1	78.6
87.5°	0.0	0.0	1.4	1.4	2.7	6.8	47.5	84.1	39.3	16.3	33.9
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: P639960
CATALOG NUMBER: GWS-SA5C-830-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2
2.5°	4390.8	4318.9	4240.2	4167.0	4050.4	3981.2	3895.8	3857.8	3803.6	3790.0	3798.2
5°	4301.3	4177.9	3989.4	3818.5	3597.5	3419.9	3240.9	3164.9	3067.3	3002.2	2975.1
7.5°	4175.2	4013.8	3719.5	3409.0	3105.3	2781.2	2534.4	2371.7	2223.9	2142.5	2126.2
10°	4047.7	3837.5	3415.8	2971.0	2500.5	2112.7	1779.1	1532.3	1331.6	1240.7	1170.2
12.5°	3916.2	3654.4	3106.6	2526.2	1979.8	1450.9	1038.7	798.7	655.0	598.0	607.5
15°	3795.5	3478.2	2800.2	2081.5	1394.0	876.0	573.6	484.1	450.2	439.3	438.0
17.5°	3680.2	3311.4	2495.1	1648.9	919.4	537.0	439.3	417.7	408.2	402.7	402.7
20°	3575.8	3151.4	2196.7	1242.1	593.9	425.8	397.3	386.5	378.3	374.3	374.3
22.5°	3478.2	2996.8	1905.2	878.7	438.0	382.4	364.8	353.9	344.4	339.0	339.0
25°	3390.0	2857.1	1627.2	604.8	377.0	349.9	330.9	318.7	302.4	292.9	292.9
27.5°	3326.3	2732.4	1360.1	440.7	340.4	314.6	292.9	276.6	259.0	248.1	245.4
30°	3288.3	2626.6	1090.2	362.1	306.5	280.7	256.3	235.9	215.6	204.8	203.4
32.5°	3266.6	2529.0	843.4	316.0	278.0	248.1	221.0	199.3	179.0	166.8	165.4
35°	3274.8	2453.0	631.9	284.8	250.9	219.7	189.8	168.1	150.5	139.7	137.0
37.5°	3345.3	2419.1	474.6	260.4	227.8	195.3	164.1	143.7	127.5	119.3	118.0
40°	3482.2	2425.9	372.9	241.4	208.8	170.9	141.0	122.0	109.8	103.1	101.7
42.5°	3695.1	2482.9	307.8	225.1	188.5	149.2	122.0	107.1	94.9	88.1	86.8
45°	4012.4	2600.8	268.5	206.1	166.8	128.8	105.8	92.2	81.4	73.2	71.9
47.5°	4472.1	2805.6	242.7	188.5	147.8	111.2	90.9	77.3	67.8	61.0	59.7
50°	4961.6	3051.0	221.0	170.9	131.5	96.3	77.3	63.7	55.6	48.8	47.5
52.5°	5483.7	3315.4	204.8	154.6	116.6	82.7	65.1	52.9	44.7	38.0	36.6
55°	5985.4	3581.2	185.8	143.7	99.0	70.5	54.2	43.4	35.3	29.8	29.8
57.5°	6473.6	3825.3	165.4	126.1	81.4	59.7	44.7	35.3	28.5	24.4	23.1
60°	7056.7	4163.0	142.4	107.1	67.8	50.2	36.6	28.5	23.1	19.0	19.0
62.5°	7923.2	4514.2	122.0	89.5	57.0	42.0	29.8	23.1	19.0	16.3	14.9
65°	8206.6	4324.3	103.1	73.2	46.1	33.9	24.4	20.3	16.3	14.9	13.6
67.5°	*7449.9*	*3544.6*	*85.4*	*59.7*	*38.0*	*28.5*	*21.7*	*17.6*	*14.9*	*13.6*	*12.2*
70°	5813.2	2515.4	66.4	44.7	31.2	23.1	19.0	16.3	13.6	12.2	12.2
72.5°	3954.1	1487.5	52.9	33.9	25.8	20.3	16.3	14.9	13.6	12.2	10.8
75°	1947.2	528.8	40.7	25.8	20.3	17.6	14.9	13.6	12.2	10.8	10.8
77.5°	524.8	146.4	31.2	20.3	16.3	13.6	13.6	13.6	12.2	9.5	9.5
80°	177.6	61.0	23.1	14.9	13.6	10.8	9.5	12.2	10.8	9.5	8.1
82.5°	97.6	29.8	16.3	12.2	9.5	8.1	8.1	8.1	8.1	6.8	6.8
85°	62.4	16.3	10.8	9.5	9.5	6.8	5.4	5.4	4.1	4.1	4.1
87.5°	28.5	9.5	9.5	8.1	8.1	6.8	4.1	2.7	1.4	1.4	1.4
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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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

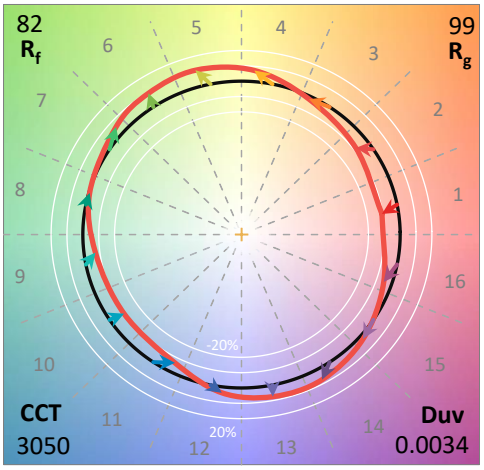
Test Information

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

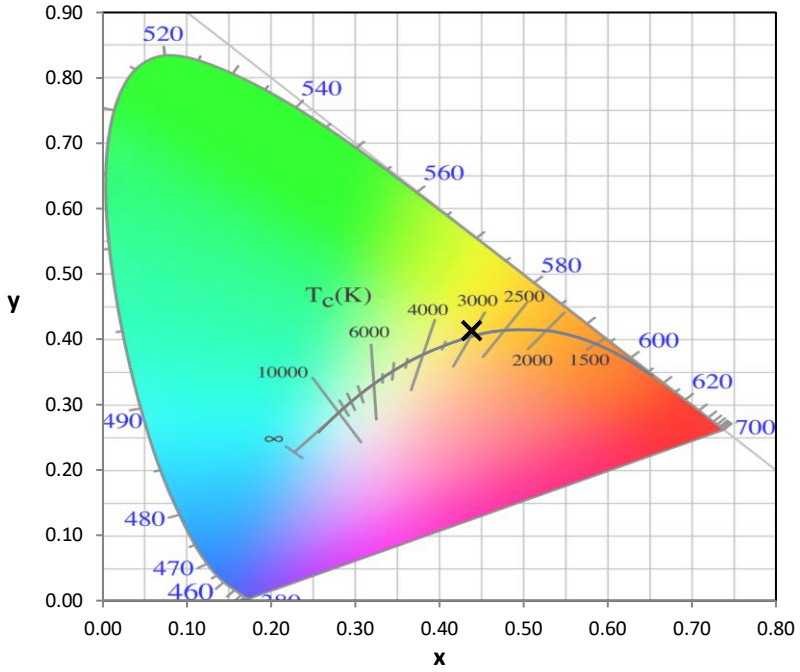
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

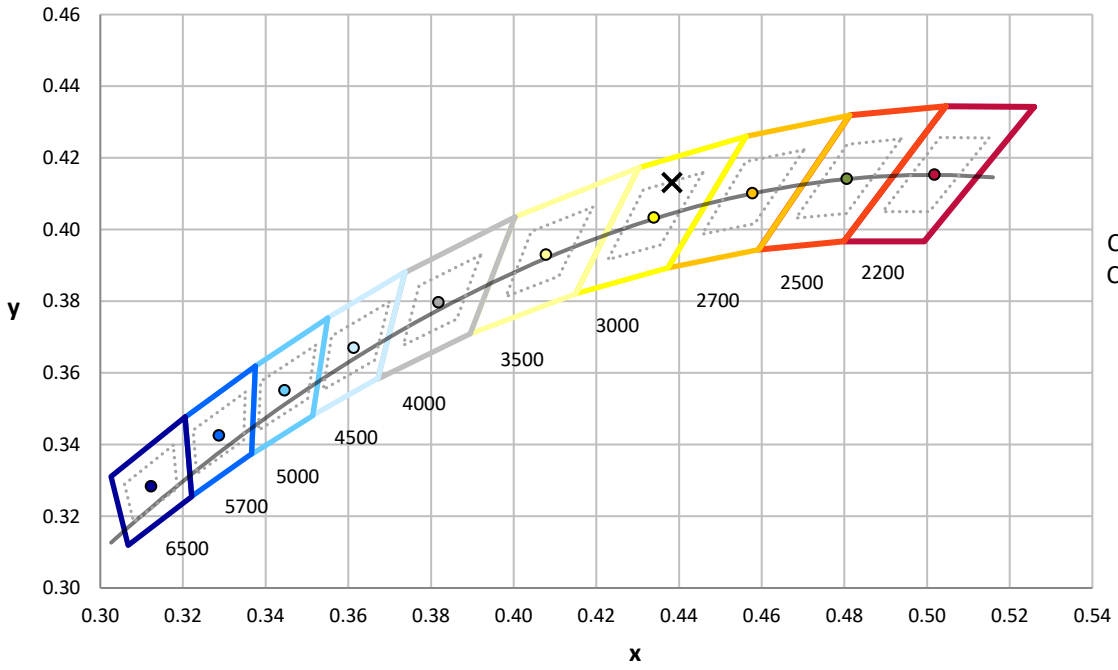
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

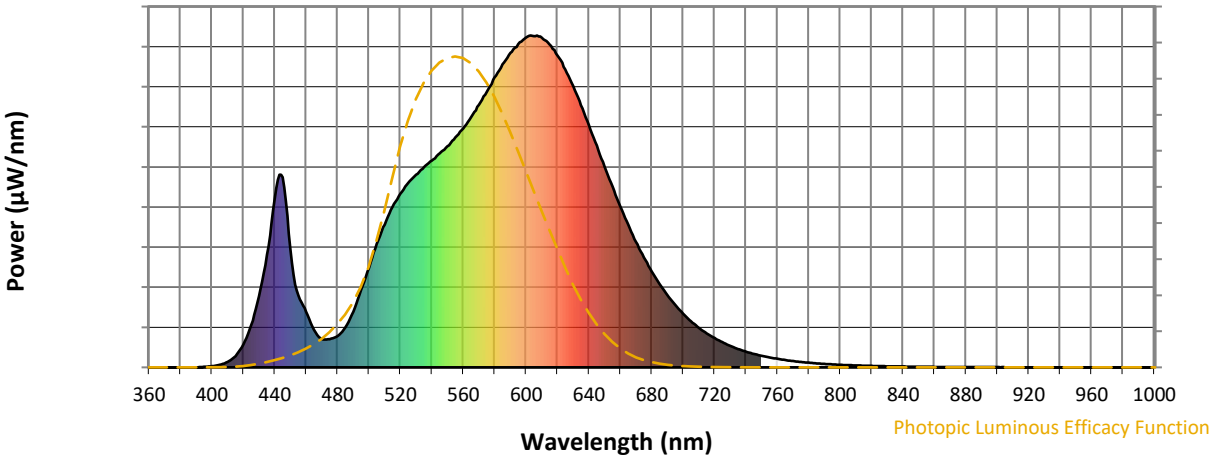


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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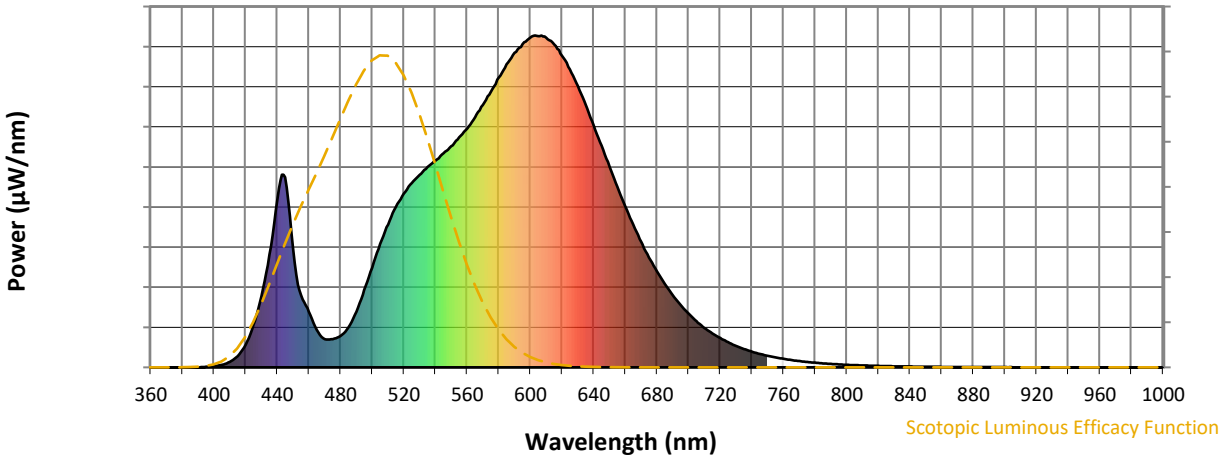
Scotopic Flux vs. Wavelength



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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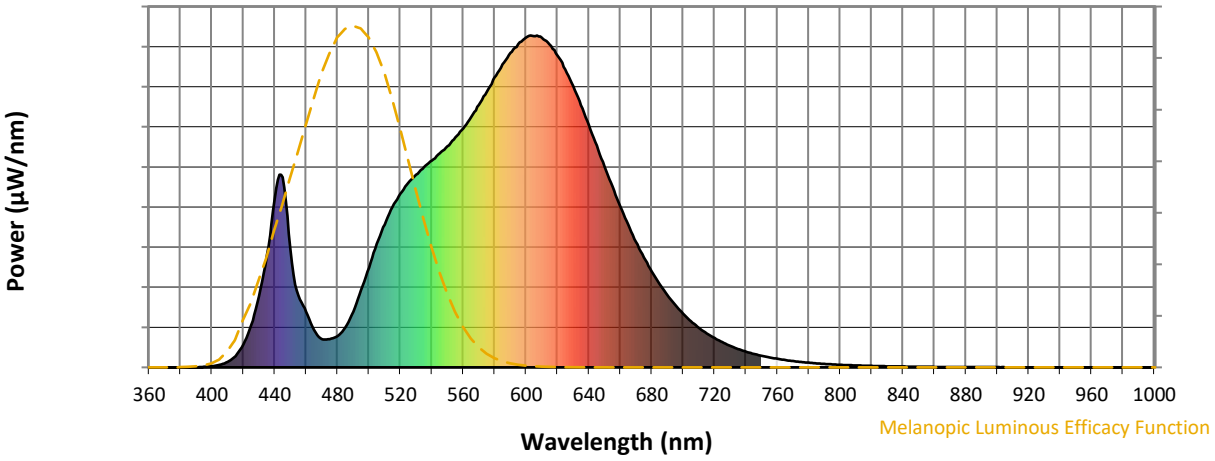
Melanopic Flux vs. Wavelength



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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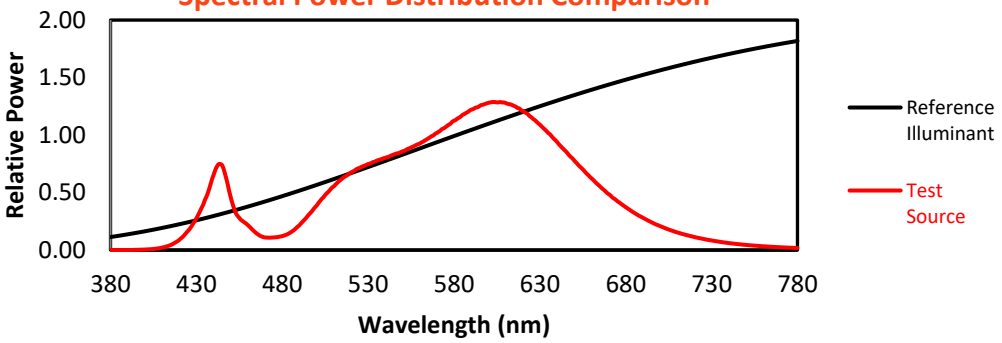
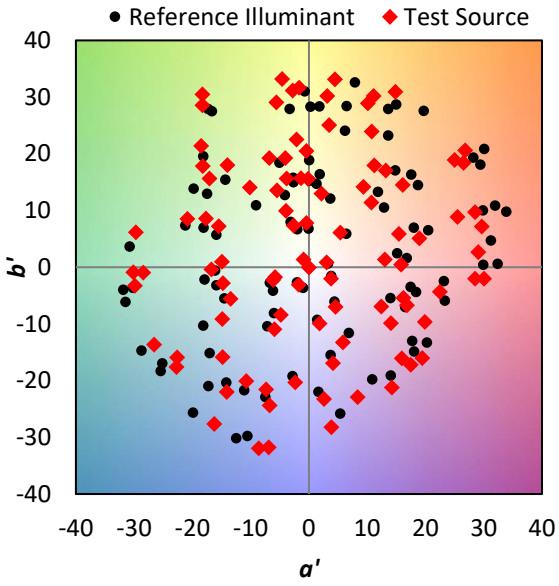
Summary

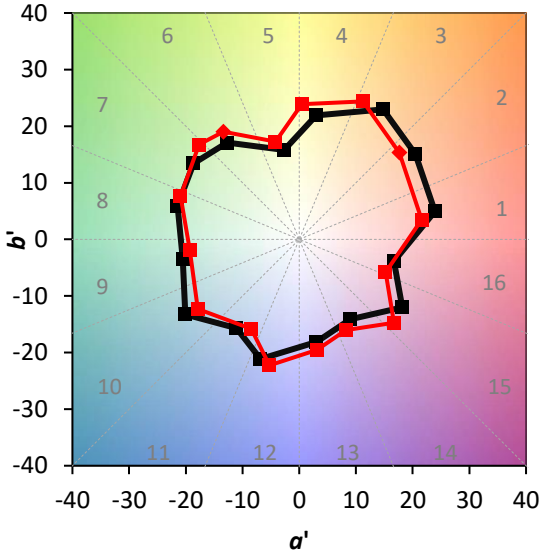
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

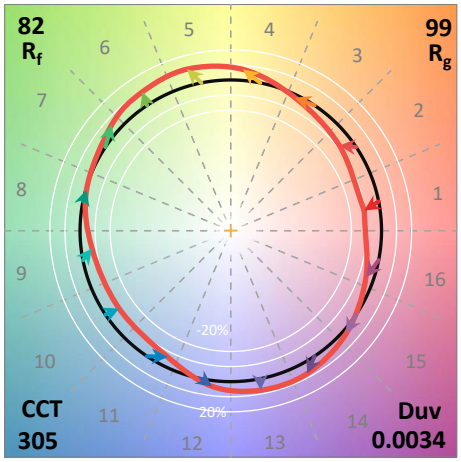
Spectral Power Distribution Comparison

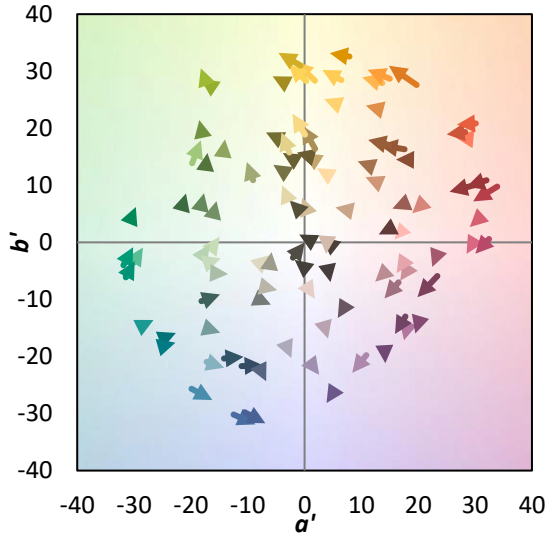


Color Vector Graphics









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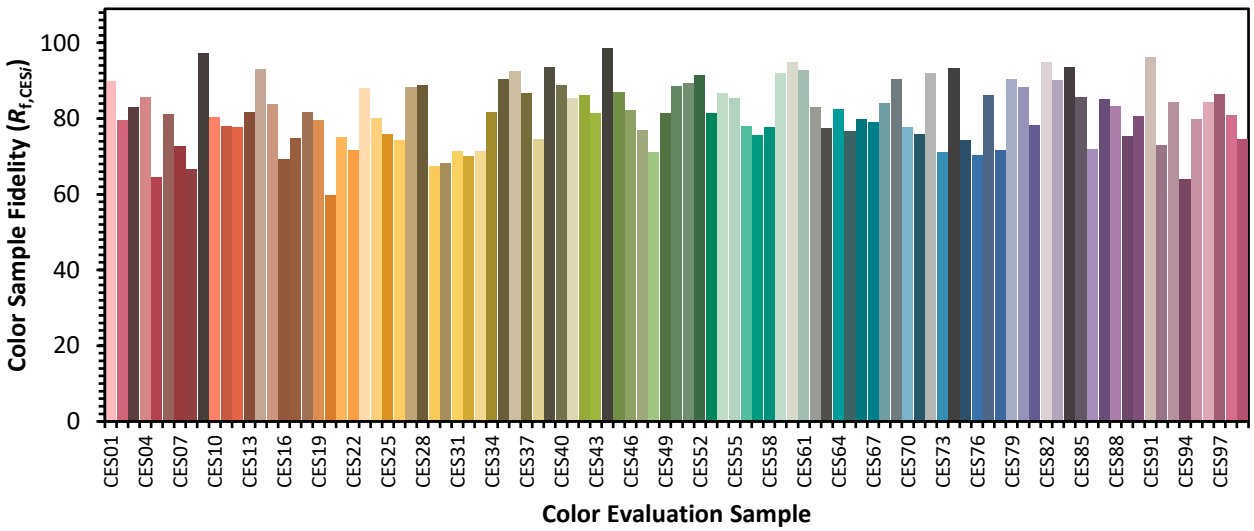
Individual Sample Fidelity Index ($R_{f,i}$)

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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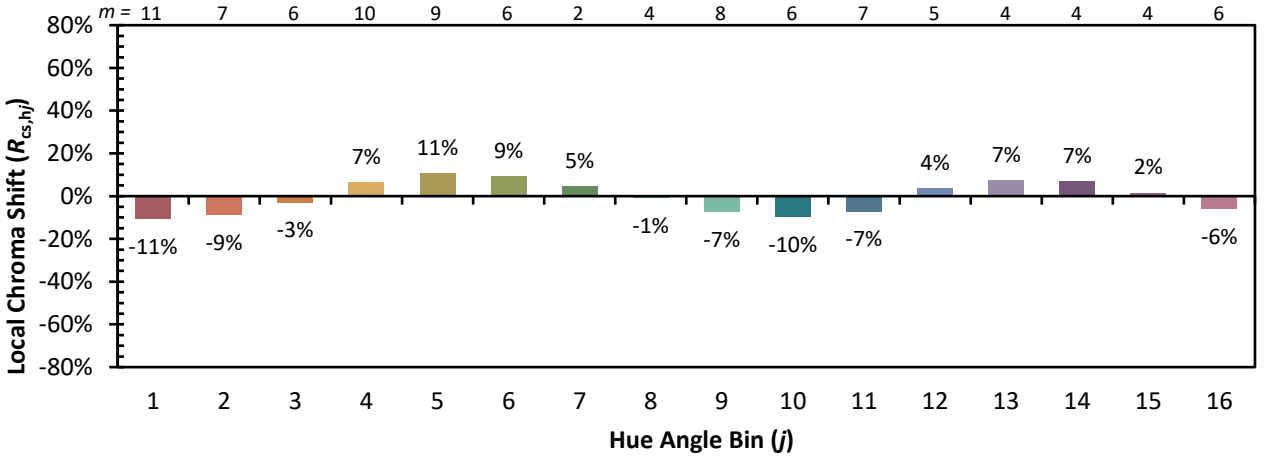
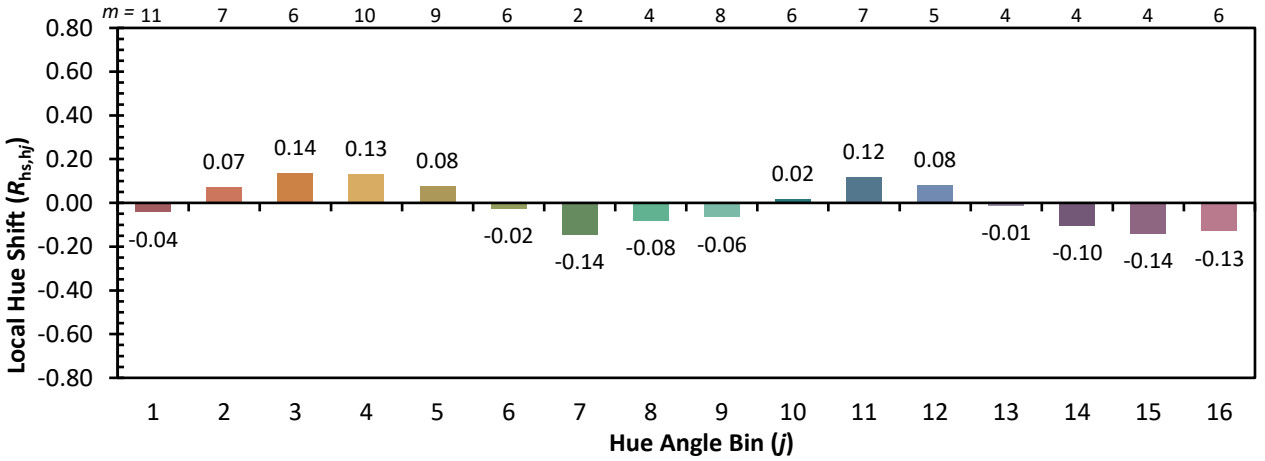
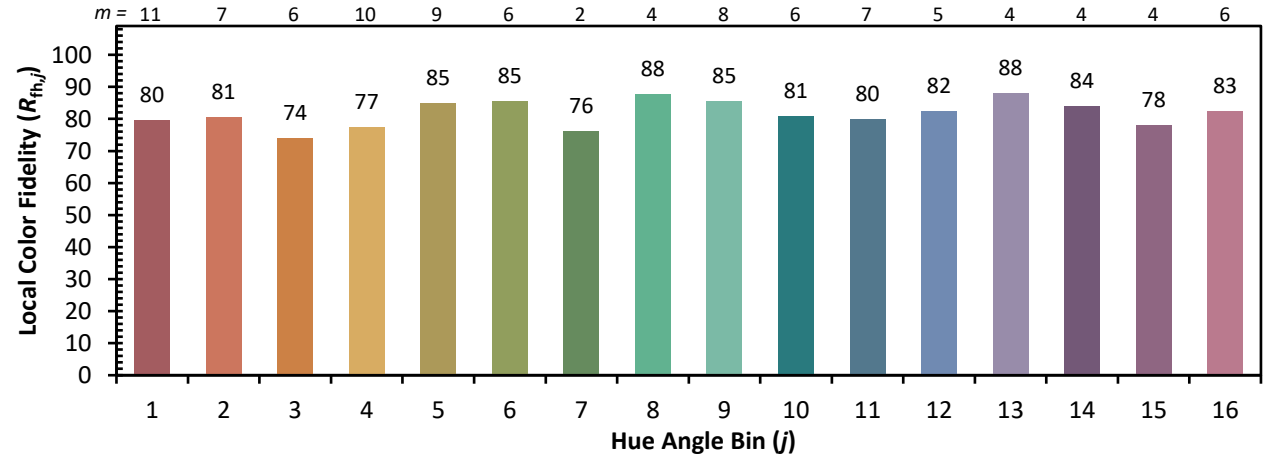
Color Rendition by Hue-Angle Bin







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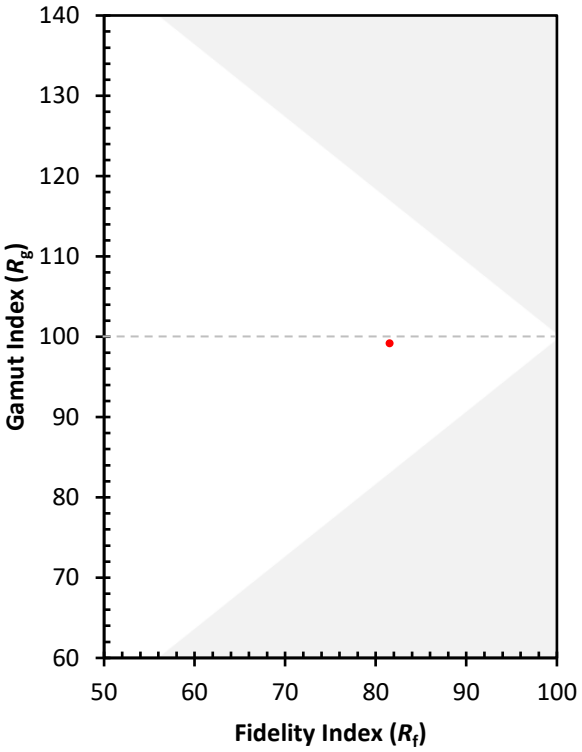
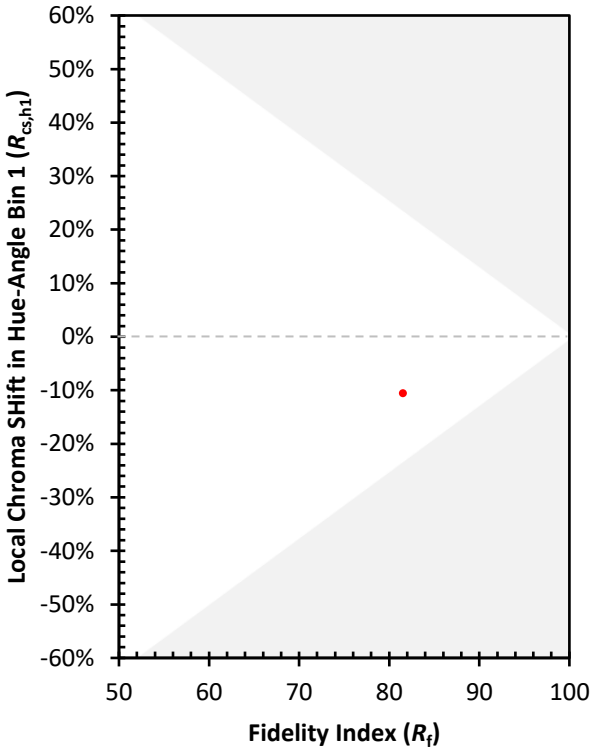
Measure Comparisons





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