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: P642429

Luminaire Tested: GWS-SA6C-830-U-SL2-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:	P642429
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
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-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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:	13244.9 lumens
Efficiency:	N/A
Efficacy:	70.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G1

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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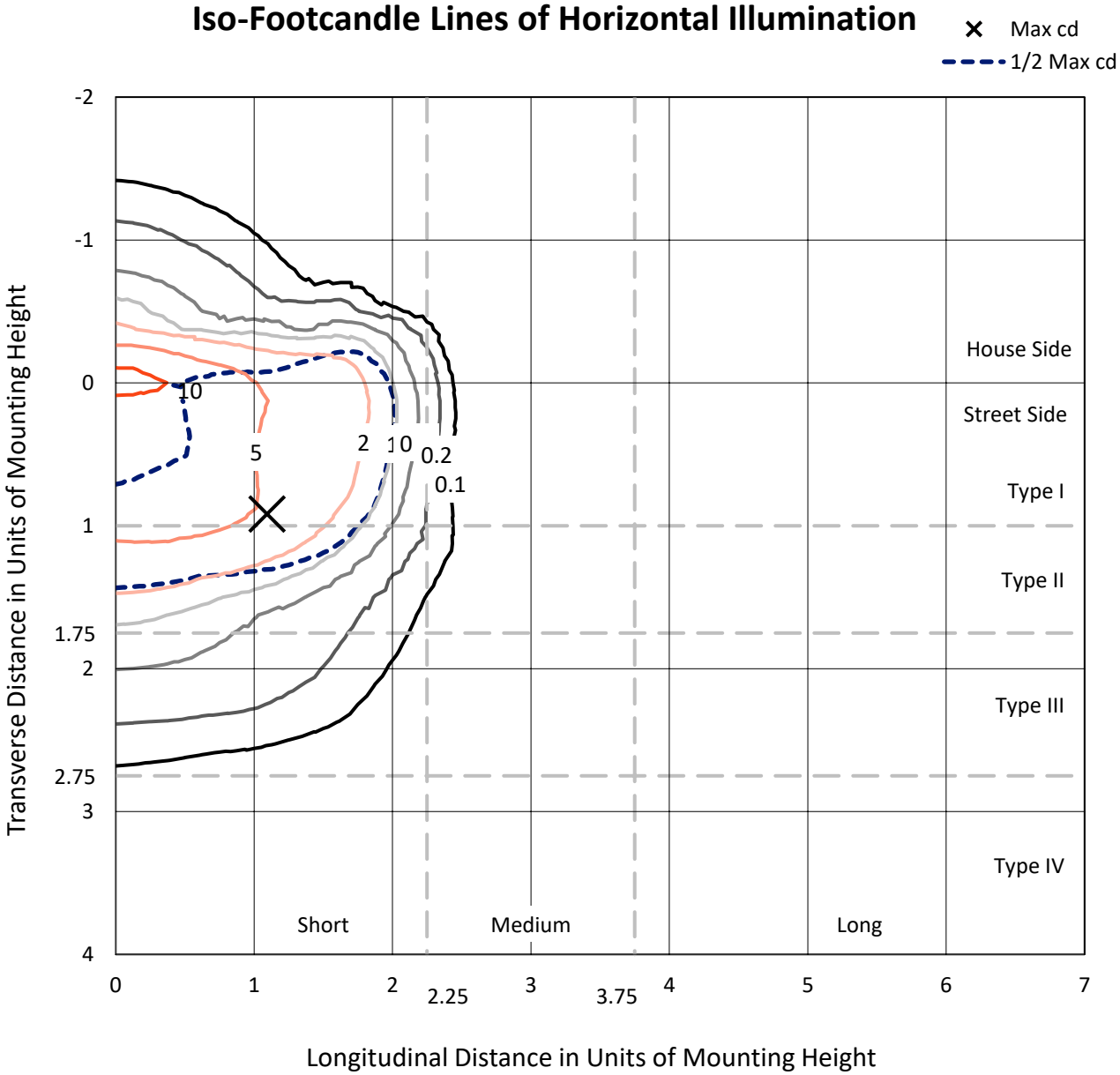
Scaled Data Report

REPORT NUMBER: P642429
CATALOG NUMBER: GWS-SA6C-830-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 11.6 fc
Type II - Short - N/A

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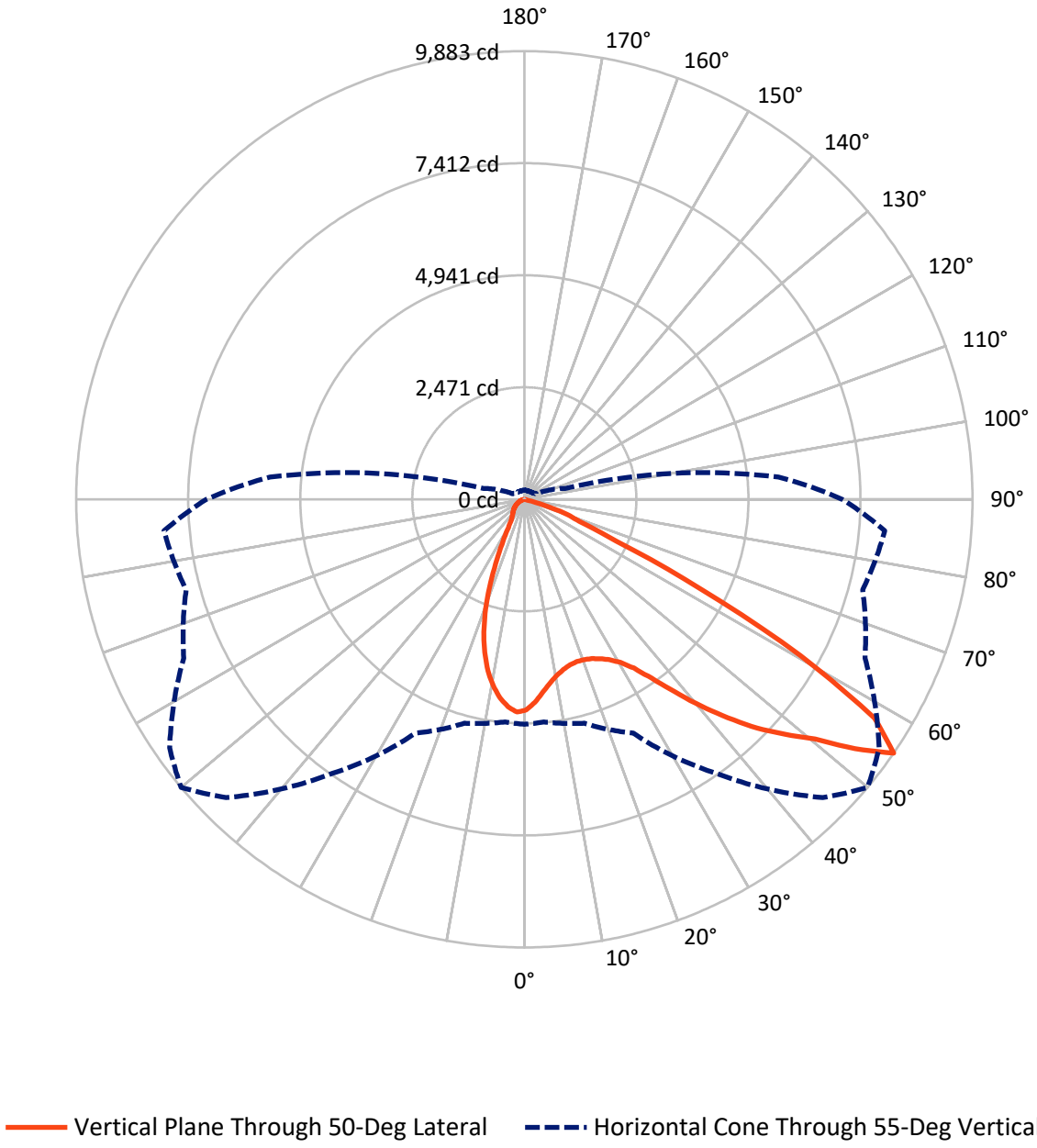
Luminous Intensity Polar Plot



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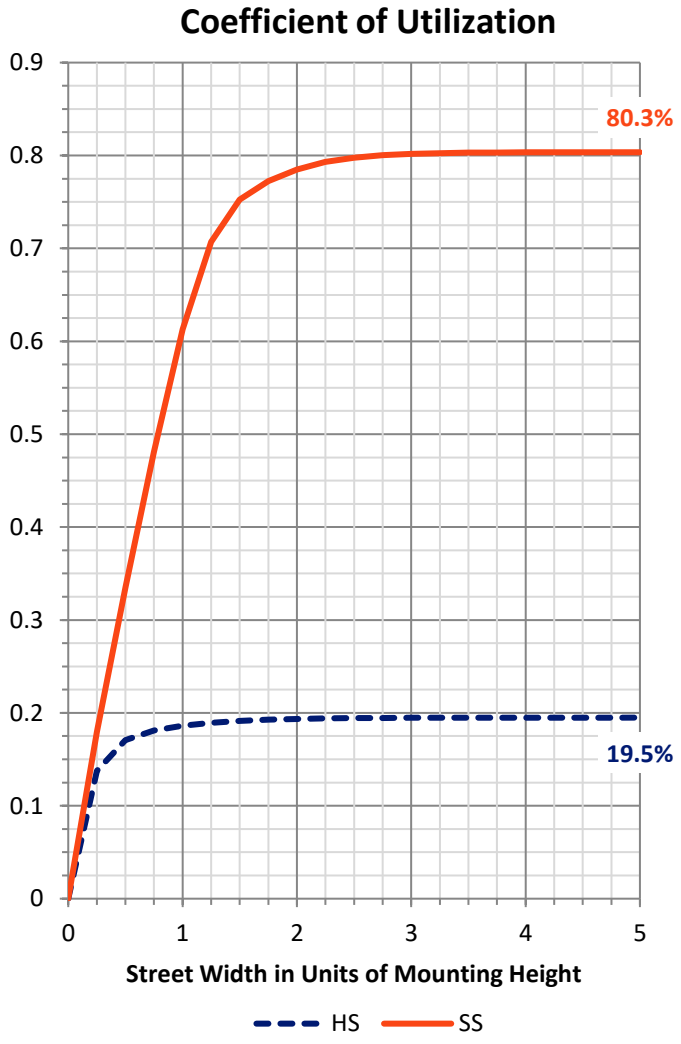
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2609.9	0.0	2609.9
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	10635.0	0.0	10635.0
	% Fixture	80.3	0.0	80.3
Total	Lumens	13244.9	0.0	13244.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.1	3.1
10°-20°	1004.3	7.6
20°-30°	1416.6	10.7
30°-40°	2096.3	15.8
40°-50°	3024.2	22.8
50°-60°	3567.3	26.9
60°-70°	1591.3	12.0
70°-80°	136.8	1.0
80°-90°	0.1	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°	13244.9	100.0
0°-180°	13244.9	100.0



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REPORT NUMBER: P642429
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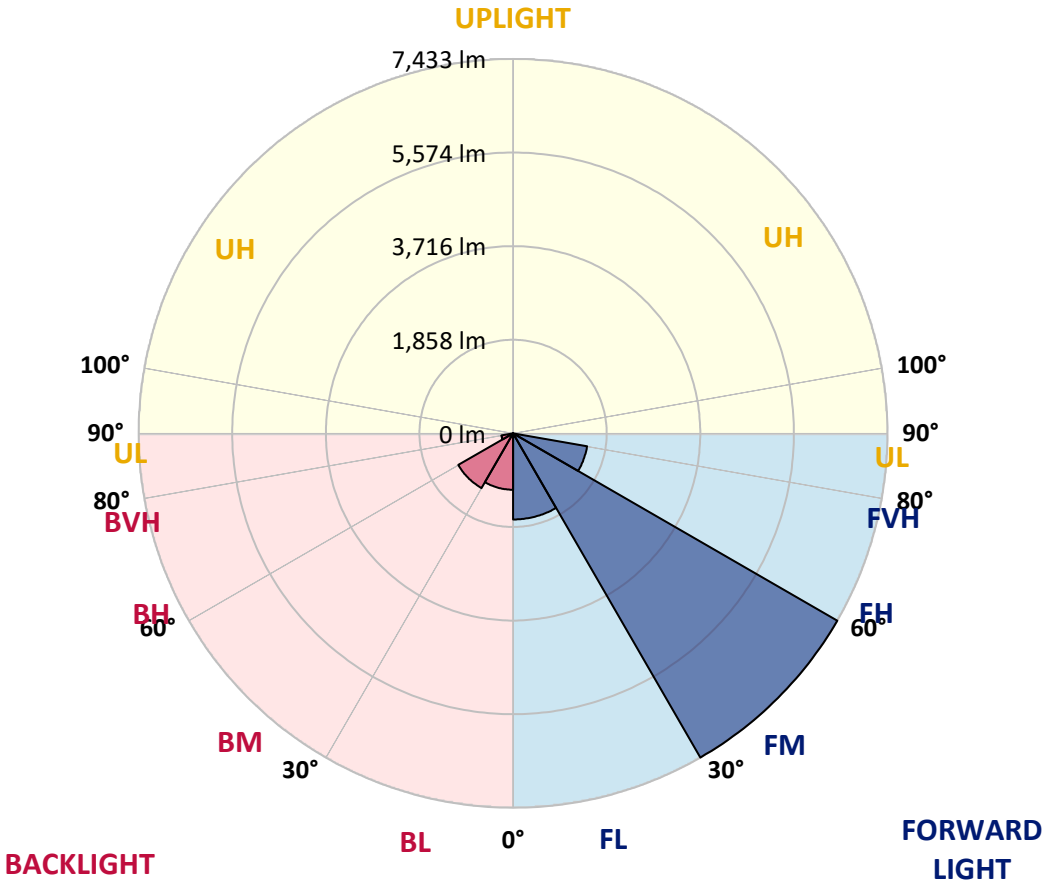
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1710.0	12.9			
FM	(30°-60°)	7432.6	56.1			
FH	(60°-80°)	1492.5	11.3			G1/1800
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	1119.0	8.4	B3/2500		
BM	(30°-60°)	1255.2	9.5	B2/2500		
BH	(60°-80°)	235.6	1.8	B1/500		G1/500
BVH	(80°-90°)	0.0	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-G1
Type II Short



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Scaled Data Report

REPORT NUMBER: P642429
CATALOG NUMBER: GWS-SA6C-830-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0
2.5°	4317.2	4320.4	4322.0	4365.7	4381.9	4446.5	4480.5	4498.3	4545.2	4600.2	4645.4
5°	4027.8	4022.9	4031.0	4086.0	4121.5	4216.9	4268.7	4304.3	4407.7	4537.1	4645.4
7.5°	3775.5	3785.2	3794.9	3854.8	3908.1	4011.6	4086.0	4139.3	4283.2	4475.7	4658.4
10°	3597.7	3597.7	3612.2	3680.1	3743.2	3870.9	3945.3	4013.2	4184.6	4420.7	4672.9
12.5°	3466.7	3468.3	3486.1	3563.7	3636.5	3769.1	3846.7	3913.0	4102.1	4365.7	4676.2
15°	3405.2	3400.4	3414.9	3497.4	3578.3	3702.8	3783.6	3848.3	4043.9	4335.0	4692.3
17.5°	3389.1	3385.8	3397.2	3478.0	3560.5	3681.7	3761.0	3825.6	4035.8	4344.7	4740.8
20°	3436.0	3429.5	3424.7	3494.2	3571.8	3691.4	3773.9	3846.7	4074.7	4398.0	4815.2
22.5°	3547.5	3547.5	3536.2	3570.2	3621.9	3730.2	3815.9	3911.3	4176.5	4504.8	4925.2
25°	3752.9	3736.7	3715.7	3730.2	3723.8	3791.7	3893.6	4026.1	4368.9	4681.0	5059.4
27.5°	3987.3	4001.9	3966.3	3967.9	3911.3	3887.1	4005.1	4205.6	4655.1	4930.0	5258.2
30°	4305.9	4294.6	4296.2	4291.3	4160.4	4045.6	4173.3	4440.1	5015.7	5310.0	5517.0
32.5°	4554.9	4571.1	4624.4	4655.1	4483.7	4299.4	4435.2	4758.6	5426.4	5743.3	5833.9
35°	4818.4	4847.5	4955.9	5056.1	4912.2	4700.4	4845.9	5180.6	5812.9	6171.8	6197.7
37.5°	5096.6	5154.8	5284.1	5460.4	5437.7	5250.2	5382.7	5677.0	6116.8	6430.5	6498.4
40°	5415.1	5471.7	5683.5	5937.4	5990.7	5948.7	5992.3	6163.7	6317.3	6441.8	6627.8
42.5°	5764.3	5842.0	6110.4	6449.9	6650.4	6687.6	6585.7	6568.0	6404.6	6312.5	6600.3
45°	6176.7	6267.2	6571.2	7011.0	7329.5	7379.7	7203.4	6975.4	6459.6	6217.1	6517.8
47.5°	6639.1	6724.8	7027.2	7555.9	8029.7	8049.1	7741.8	7374.8	6622.9	6327.0	6580.9
50°	6794.3	6847.7	7109.6	7730.5	8603.7	8752.4	8307.8	7824.3	6951.2	6650.4	6888.1
52.5°	6260.7	6281.8	6509.7	7137.1	8487.2	9442.9	9134.0	8495.3	7534.9	7143.6	7361.9
55°	4960.7	4926.8	5111.1	5686.7	7376.4	9302.2	9882.7	9549.6	8286.7	7722.4	7977.9
57.5°	3469.9	3429.5	3387.5	3777.1	5504.0	7885.8	9106.5	9696.7	9003.0	8296.5	8642.5
60°	2852.3	2813.5	2609.7	2430.2	3327.6	5662.5	6994.8	8105.7	8944.8	8267.3	8621.5
62.5°	2464.2	2441.6	2359.1	2114.9	1958.1	3232.2	4380.3	5444.2	6863.9	6492.0	6511.4
65°	1935.5	1929.0	1985.6	2011.5	1731.7	1788.3	2234.6	2829.6	3710.8	3499.0	3317.9
67.5°	1322.6	1308.1	1414.8	1739.8	1665.4	1411.6	1308.1	1319.4	1605.6	981.5	779.4
70°	840.8	806.8	808.5	1078.5	1355.0	1114.1	1009.0	887.7	798.8	145.5	164.9
72.5°	538.4	517.4	444.7	486.7	627.4	543.3	548.1	472.1	315.3	77.6	90.5
75°	226.4	208.6	160.1	127.7	126.1	79.2	69.5	64.7	43.7	43.7	46.9
77.5°	1.6	0.0	0.0	1.6	3.2	1.6	1.6	3.2	6.5	9.7	11.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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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REPORT NUMBER: P642429
CATALOG NUMBER: GWS-SA6C-830-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0	4647.0
2.5°	4672.9	4634.1	4677.8	4693.9	4692.3	4693.9	4647.0	4614.7	4613.1	4572.7	4553.3
5°	4690.7	4660.0	4692.3	4671.3	4621.2	4558.1	4474.0	4401.3	4368.9	4322.0	4299.4
7.5°	4724.7	4692.3	4687.5	4603.4	4478.9	4346.3	4197.5	4065.0	3993.8	3908.1	3913.0
10°	4748.9	4711.7	4648.7	4477.3	4270.3	4058.5	3837.0	3639.7	3515.2	3400.4	3381.0
12.5°	4758.6	4703.6	4556.5	4297.8	4006.7	3730.2	3405.2	3123.9	2929.9	2779.5	2758.5
15°	4776.4	4687.5	4438.5	4081.1	3681.7	3290.4	2876.5	2491.7	2234.6	2061.6	2076.1
17.5°	4803.9	4669.7	4305.9	3838.6	3332.5	2779.5	2220.0	1778.6	1542.5	1442.3	1443.9
20°	4842.7	4648.7	4160.4	3571.8	2913.7	2202.3	1552.2	1219.2	1152.9	1149.6	1144.8
22.5°	4894.4	4627.6	4005.1	3279.1	2417.3	1542.5	1033.2	929.7	957.2	1010.6	1020.3
25°	4955.9	4601.8	3832.1	2949.3	1875.6	1012.2	774.5	758.3	824.6	895.8	911.9
27.5°	5051.3	4588.8	3634.9	2574.1	1316.2	726.0	633.8	643.5	703.4	763.2	777.7
30°	5213.0	4613.1	3419.8	2153.7	845.7	578.9	549.8	564.3	596.6	627.4	640.3
32.5°	5432.9	4684.2	3211.2	1694.5	603.1	502.9	496.4	504.5	517.4	535.2	540.1
35°	5690.0	4807.1	2996.2	1212.7	498.0	459.2	452.7	452.7	459.2	462.4	464.1
37.5°	5901.8	4936.5	2794.0	806.8	446.3	425.3	415.6	410.7	409.1	412.3	413.9
40°	5993.9	4989.8	2574.1	586.9	409.1	394.5	380.0	365.4	365.4	376.7	378.4
42.5°	5929.3	4930.0	2320.3	485.1	383.2	362.2	339.6	326.6	333.1	344.4	347.6
45°	5791.8	4782.9	2040.6	428.5	357.3	329.9	304.0	295.9	302.4	316.9	320.2
47.5°	5769.2	4685.9	1705.9	391.3	329.9	302.4	274.9	266.8	274.9	286.2	289.4
50°	5993.9	4769.9	1334.0	359.0	304.0	273.3	250.6	242.5	247.4	253.9	257.1
52.5°	6404.6	5082.0	1076.9	328.2	273.3	244.2	229.6	219.9	219.9	226.4	228.0
55°	*7011.0*	*5626.9*	*929.7*	*292.7*	*237.7*	*221.5*	*208.6*	*198.9*	*198.9*	*202.1*	*203.7*
57.5°	7709.5	6286.6	963.7	245.8	208.6	200.5	189.2	181.1	184.3	184.3	184.3
60°	7612.5	6238.1	1031.6	207.0	184.3	181.1	171.4	168.2	176.2	169.8	166.5
62.5°	5607.5	4309.1	540.1	169.8	158.5	155.2	148.8	155.2	166.5	148.8	142.3
65°	2722.9	2085.8	216.7	139.1	134.2	131.0	127.7	137.4	143.9	116.4	110.0
67.5°	640.3	520.7	140.7	118.0	111.6	105.1	108.3	110.0	105.1	79.2	76.0
70°	166.5	163.3	110.0	98.6	88.9	82.5	82.5	80.8	69.5	50.1	46.9
72.5°	90.5	88.9	79.2	74.4	61.4	55.0	56.6	50.1	38.8	29.1	27.5
75°	45.3	48.5	45.3	42.0	34.0	30.7	30.7	27.5	19.4	11.3	11.3
77.5°	9.7	11.3	11.3	9.7	8.1	6.5	6.5	8.1	3.2	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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

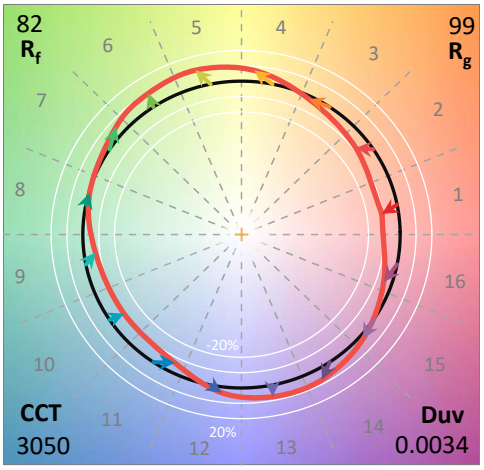
Test Information

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

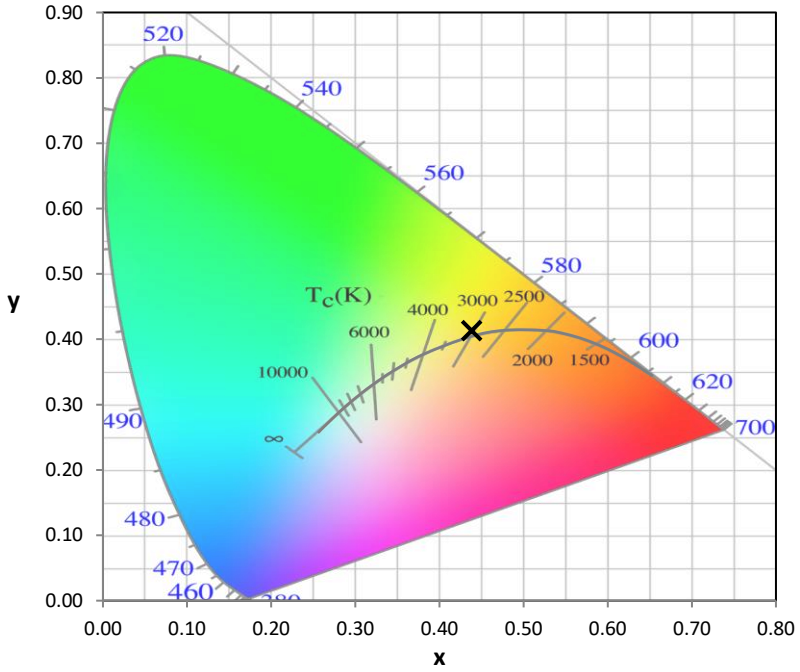
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

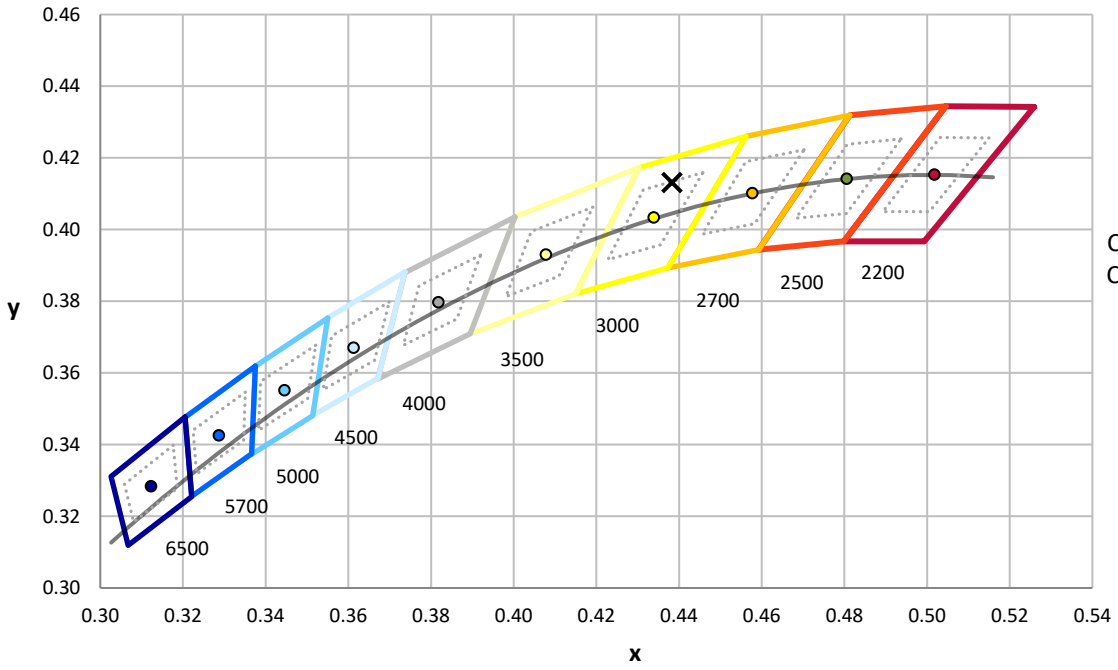
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

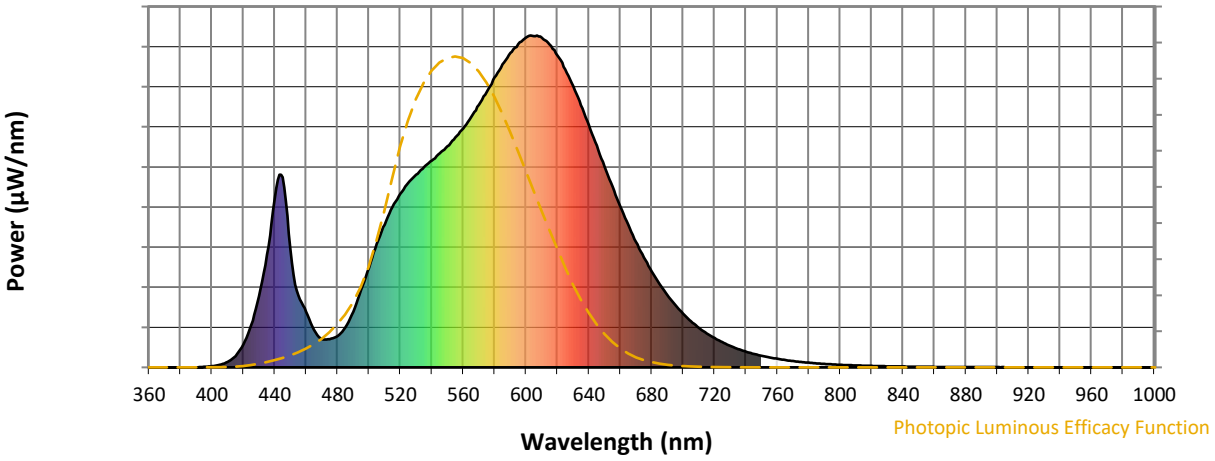


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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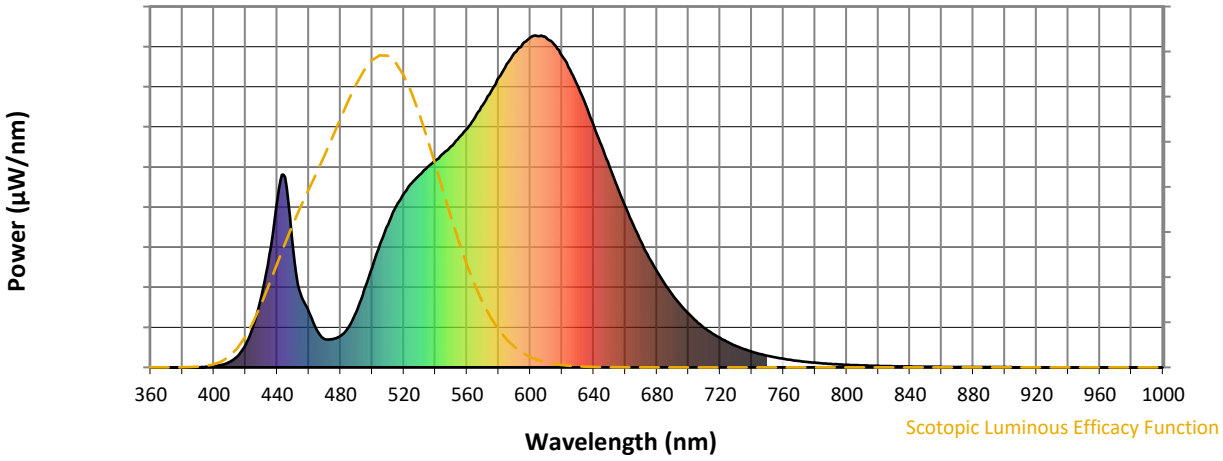
Scotopic Flux vs. Wavelength



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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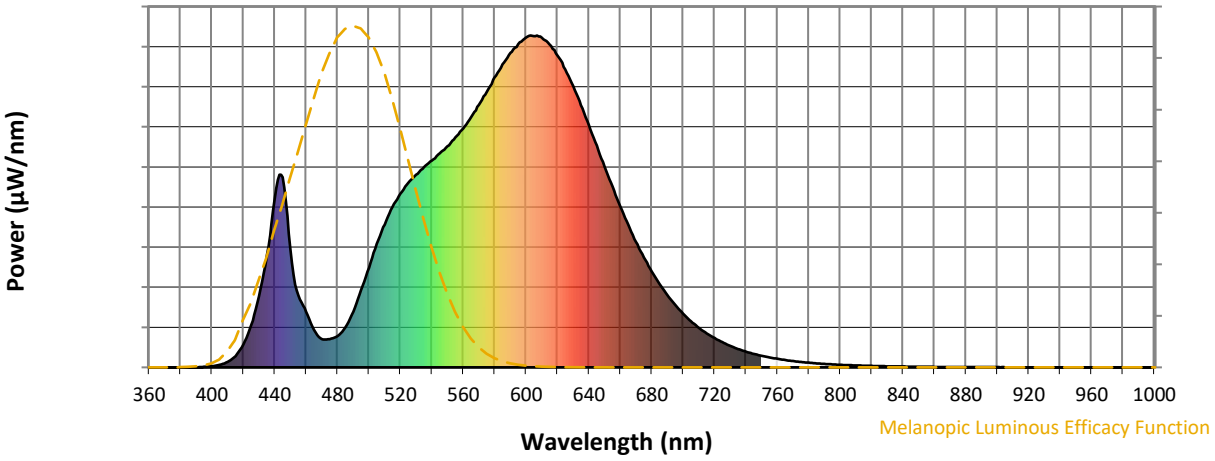
Melanopic Flux vs. Wavelength



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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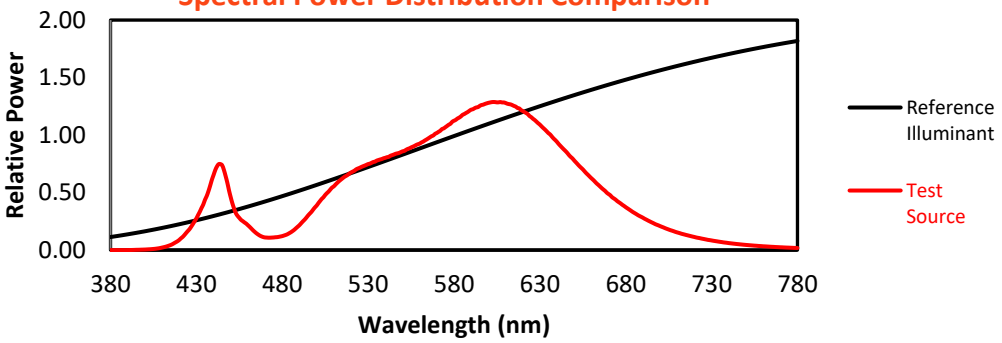
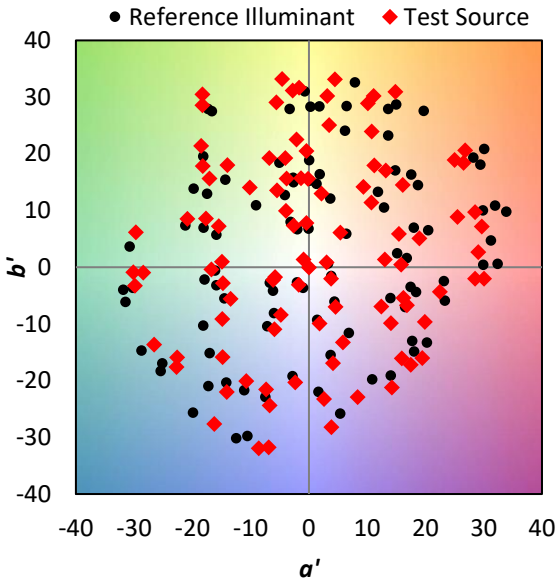
Summary

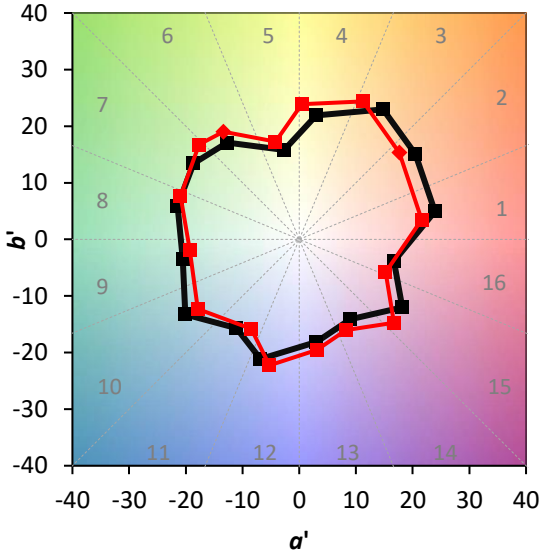
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

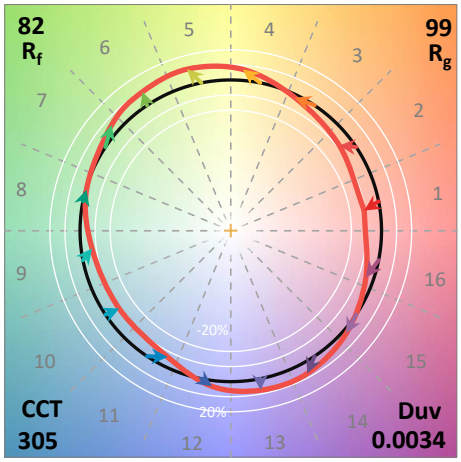
Spectral Power Distribution Comparison

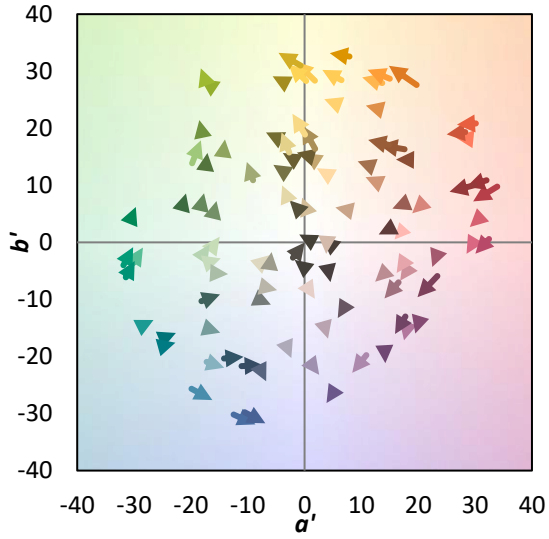


Color Vector Graphics









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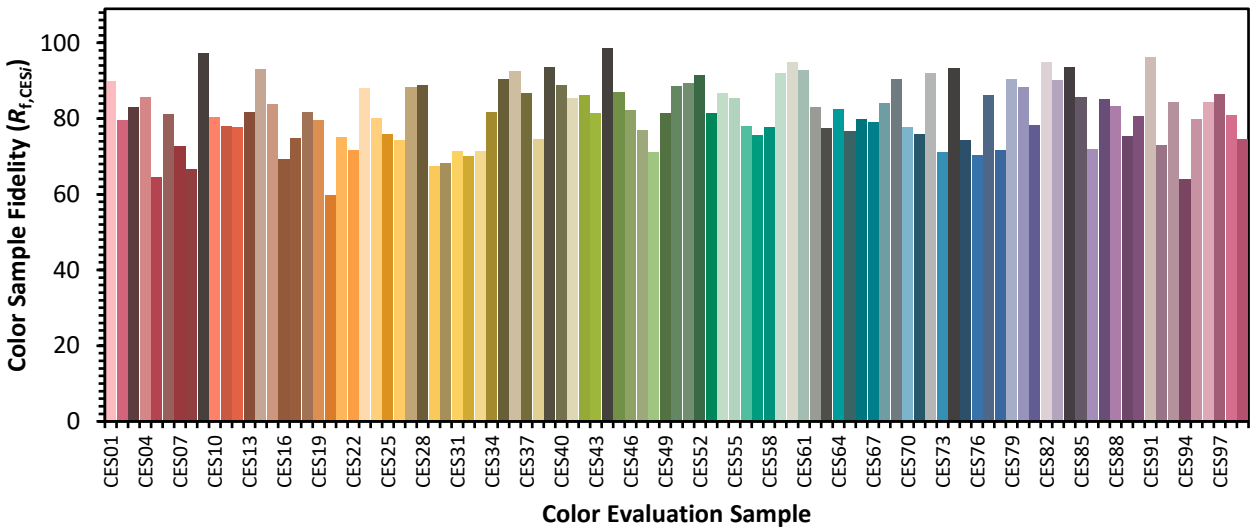
Individual Sample Fidelity Index ($R_{f,i}$)

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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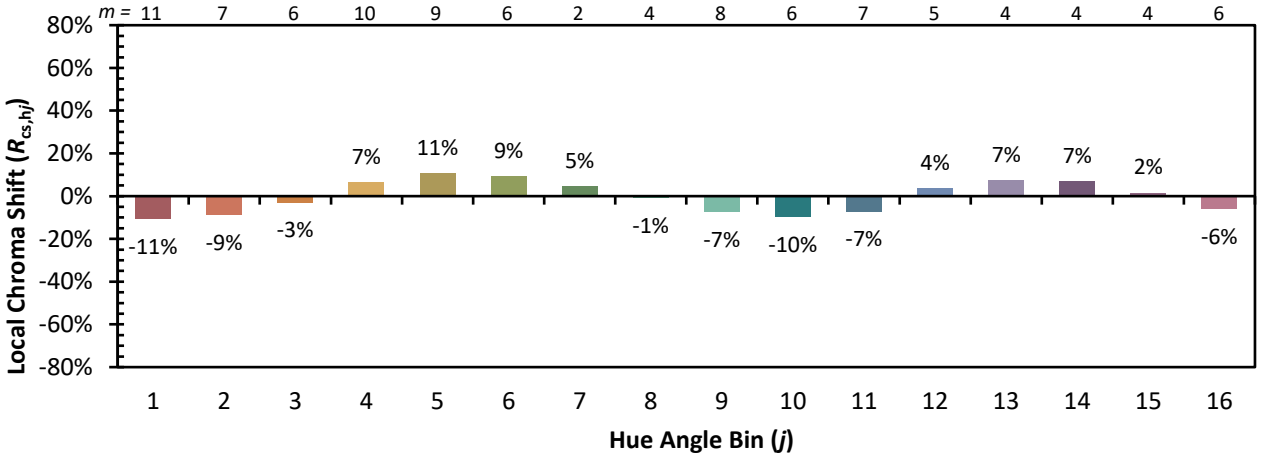
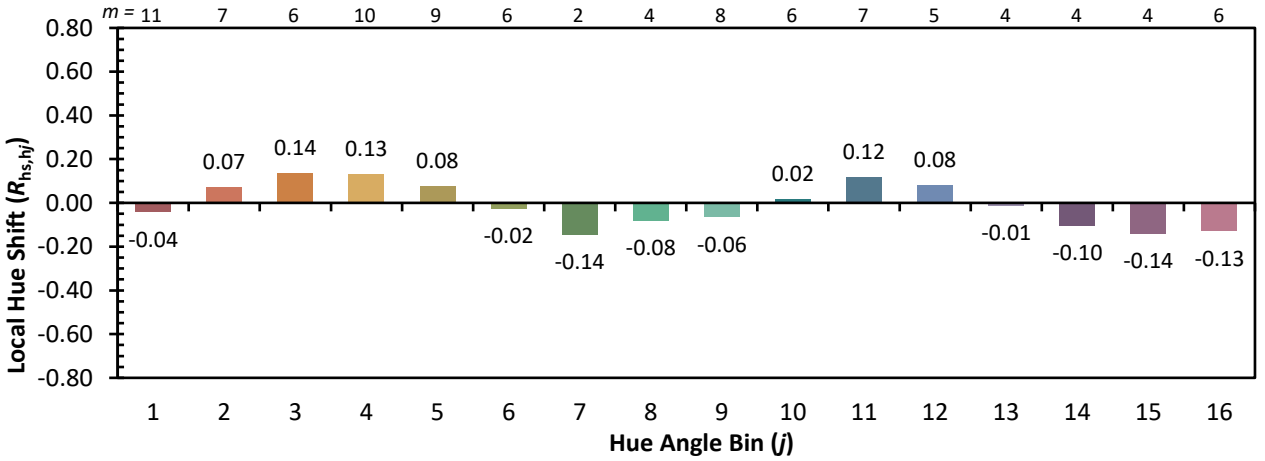
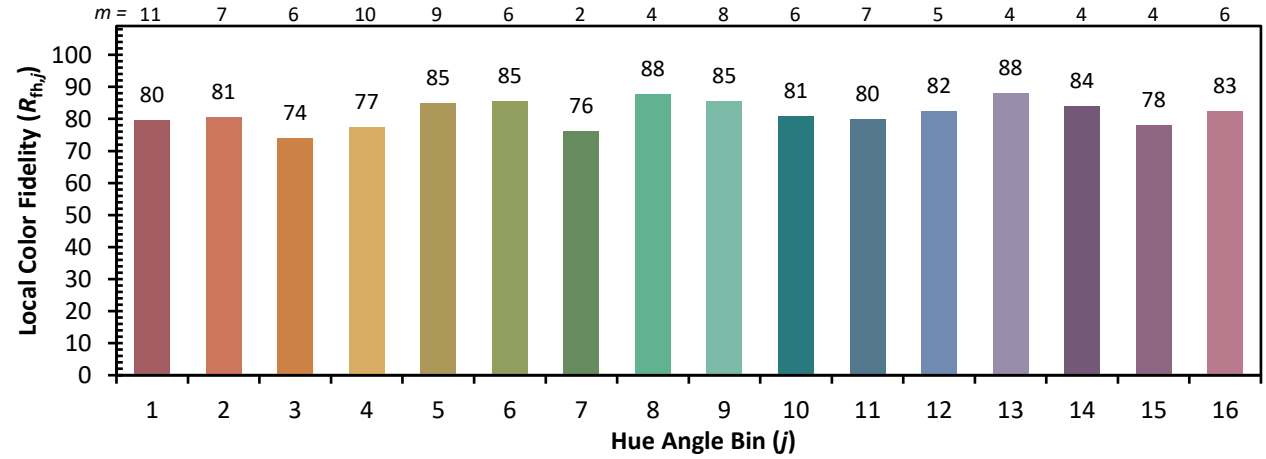
Color Rendition by Hue-Angle Bin







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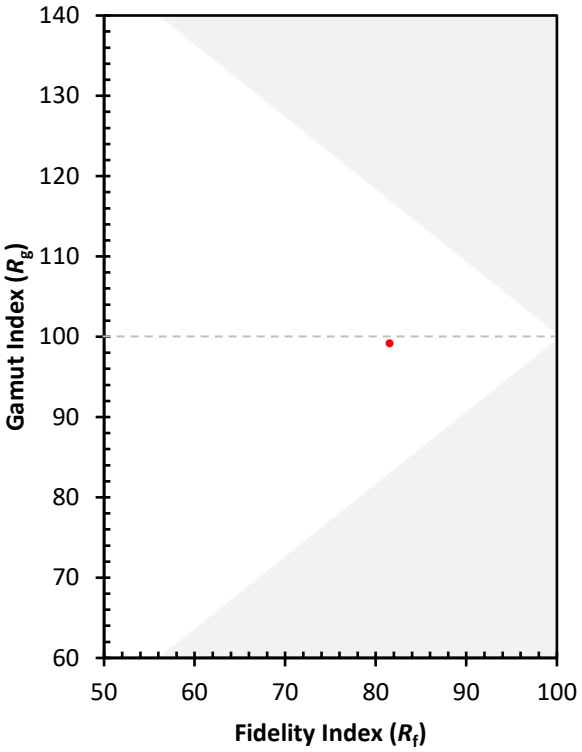
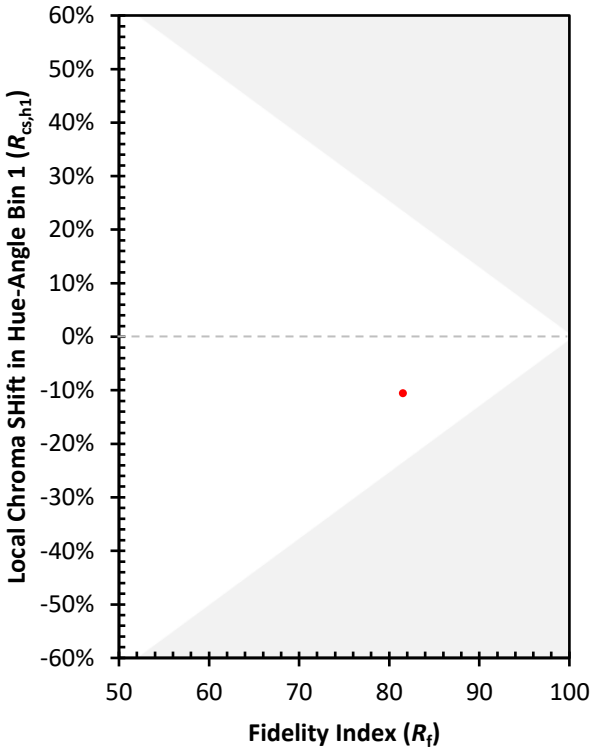
Measure Comparisons





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