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: P642435

Luminaire Tested: GWS-SA6C-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:	P642435
	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-SA6C-830-U-SL3-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18268.9 lumens
Efficiency:	N/A
Efficacy:	96.6 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

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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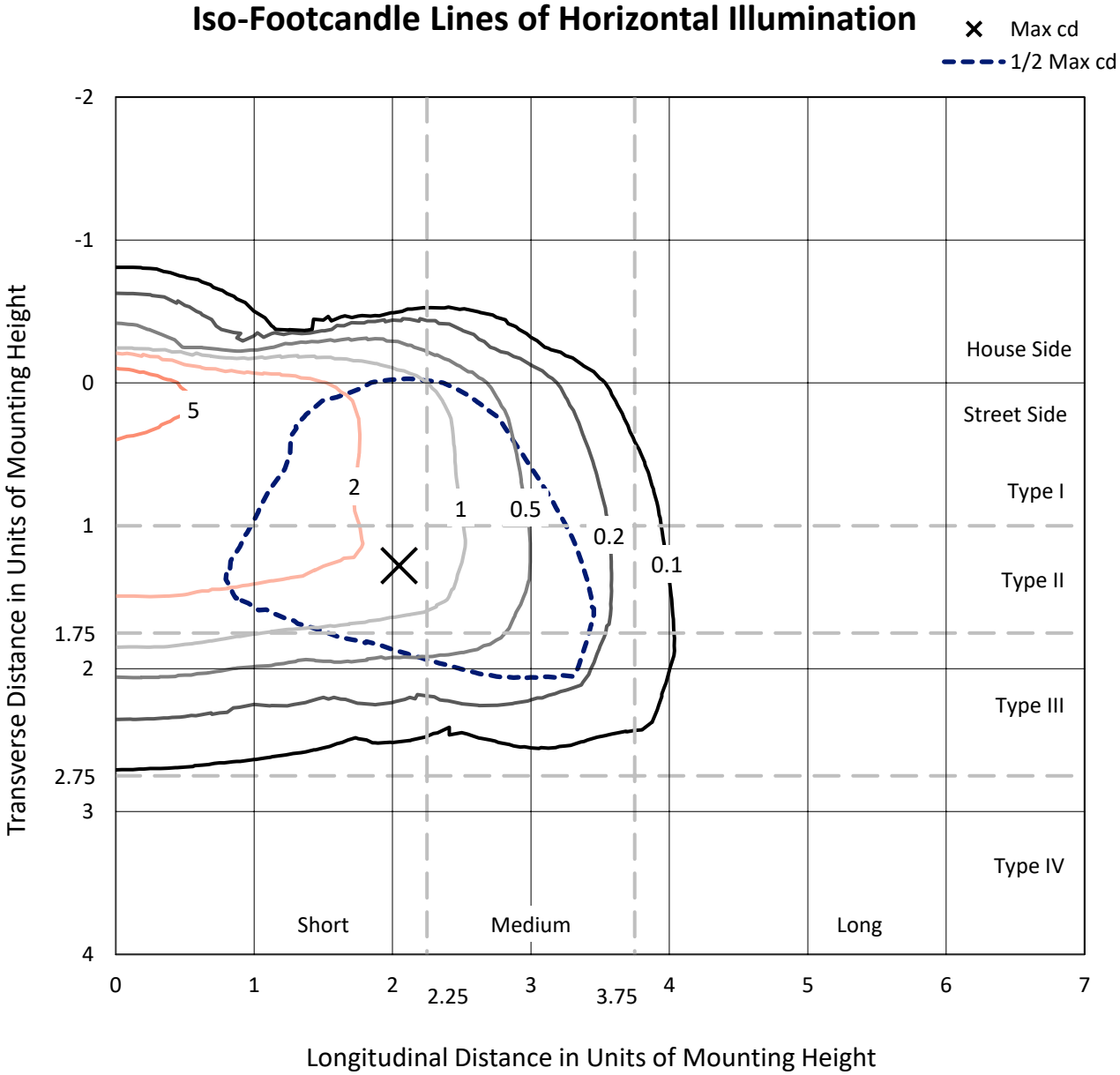
Scaled Data Report

REPORT NUMBER: P642435
CATALOG NUMBER: GWS-SA6C-830-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
Type III - Short - N/A

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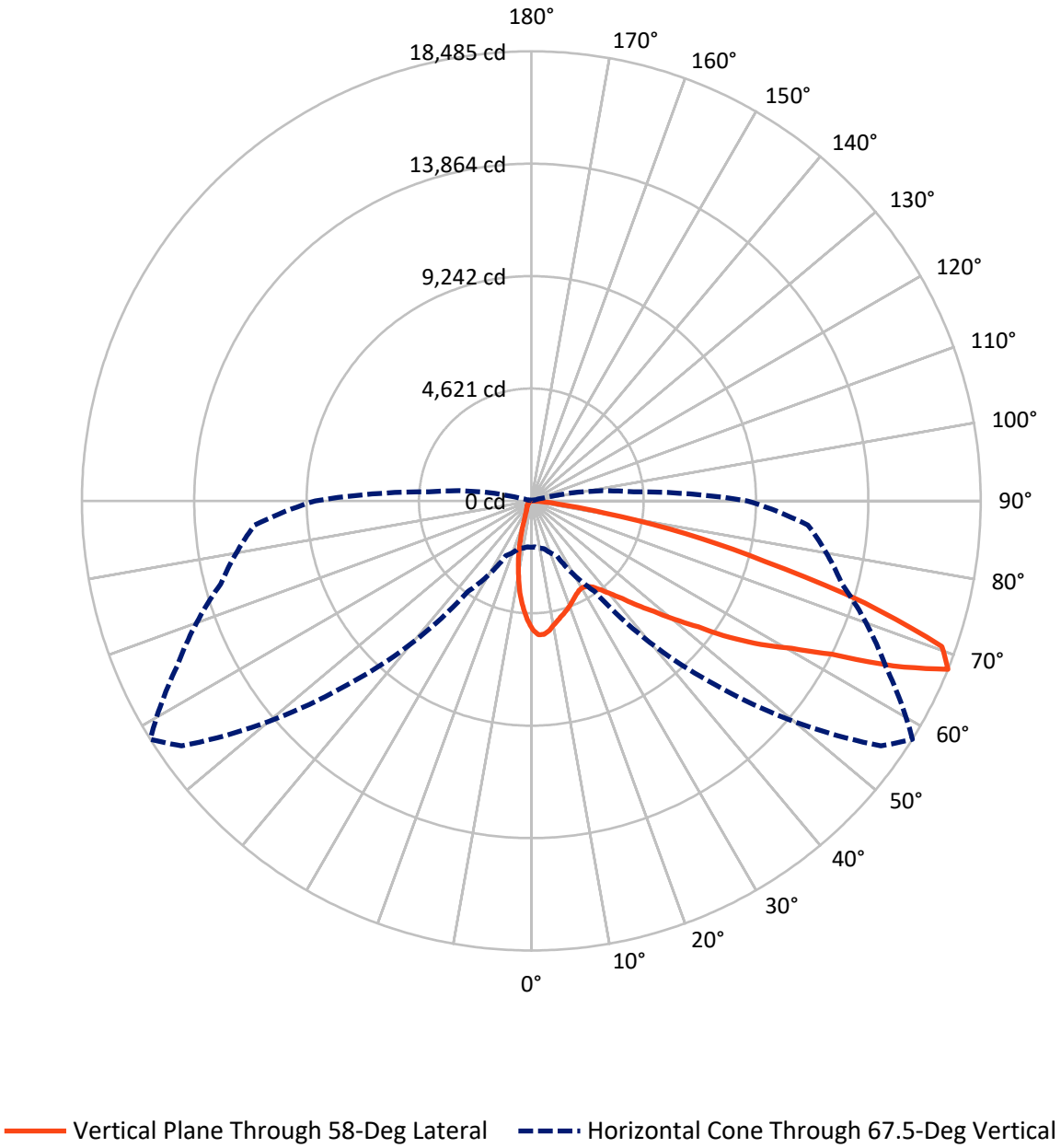
Scaled Data Report

REPORT NUMBER: P642435
CATALOG NUMBER: GWS-SA6C-830-U-SL3-W-HSS

Luminous Intensity Polar Plot



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REPORT NUMBER: P642435
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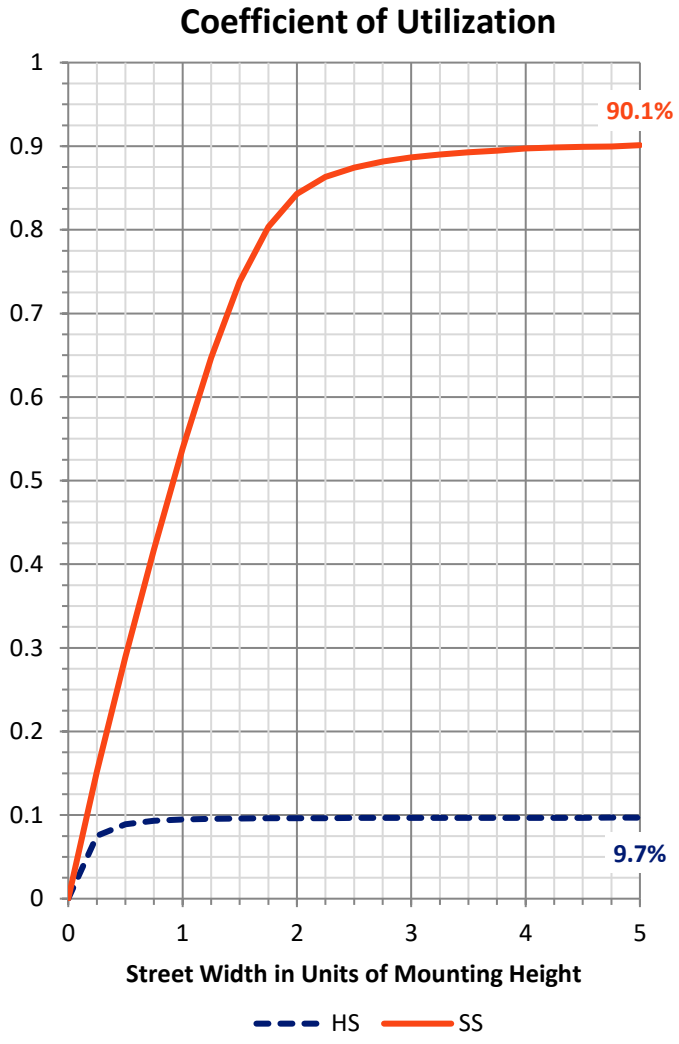
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1784.8	0.0	1784.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	16484.1	0.0	16484.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	18268.9	0.0	18268.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.2	2.3
10°-20°	891.4	4.9
20°-30°	1202.1	6.6
30°-40°	1689.2	9.2
40°-50°	2608.8	14.3
50°-60°	4171.7	22.8
60°-70°	4939.7	27.0
70°-80°	2185.2	12.0
80°-90°	152.8	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°	18268.9	100.0
0°-180°	18268.9	100.0



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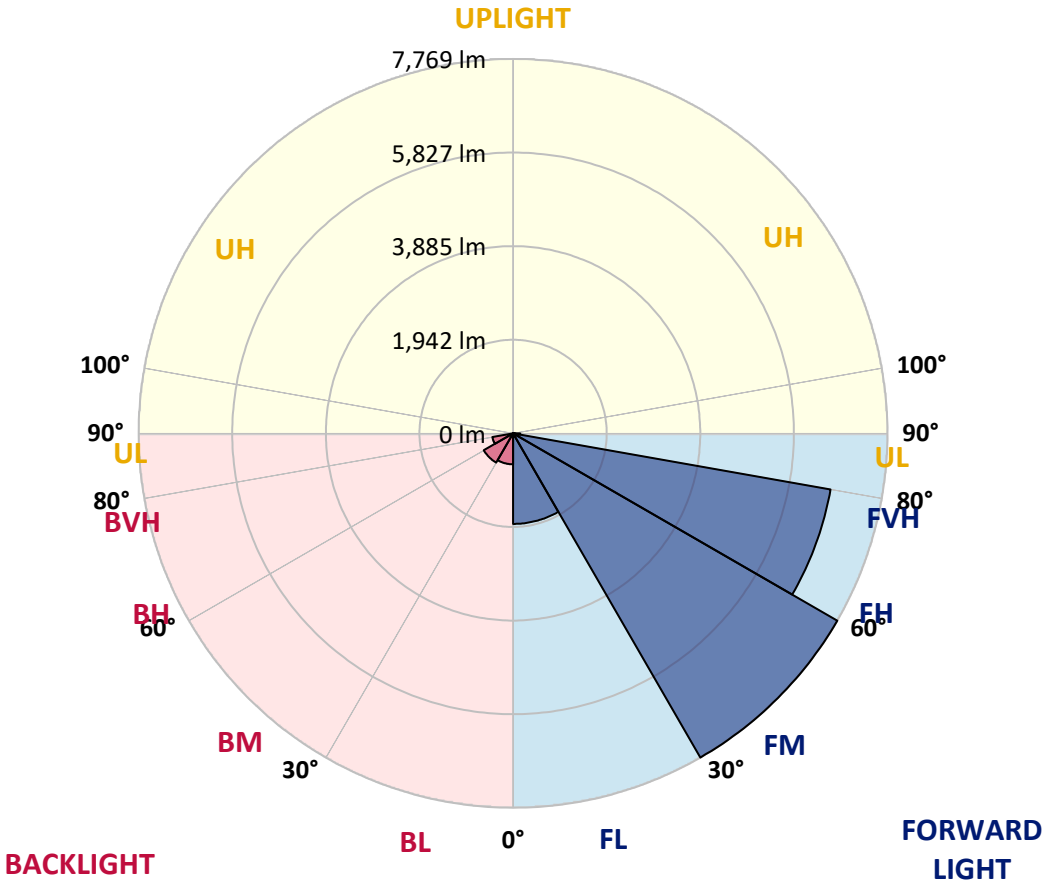
REPORT NUMBER: P642435
CATALOG NUMBER: GWS-SA6C-830-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1879.4	10.3			
FM	(30°-60°)	7769.4	42.5			
FH	(60°-80°)	6689.1	36.6			G3/7500
FVH	(80°-90°)	146.3	0.8			G2/225
BL	(0°-30°)	642.3	3.5	B2/1000		
BM	(30°-60°)	700.3	3.8	B1/1000		
BH	(60°-80°)	435.7	2.4	B1/500		G1/500
BVH	(80°-90°)	6.5	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: P642435
CATALOG NUMBER: GWS-SA6C-830-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6
2.5°	5542.9	5552.6	5565.5	5581.7	5578.4	5563.9	5546.1	5505.7	5479.8	5399.0	5300.3
5°	5365.0	5363.4	5395.7	5426.5	5481.4	5510.5	5551.0	5513.8	5500.8	5403.8	5243.7
7.5°	5017.4	5035.2	5072.3	5120.8	5200.1	5285.8	5382.8	5371.5	5410.3	5345.6	5146.7
10°	4676.2	4666.5	4724.7	4797.5	4918.7	5028.7	5169.4	5167.7	5269.6	5263.1	5036.8
12.5°	4377.1	4375.4	4420.7	4503.2	4645.5	4799.1	4989.9	4994.7	5120.8	5172.6	4943.0
15°	4124.8	4128.0	4171.7	4257.4	4404.5	4592.1	4813.6	4854.1	4996.3	5101.4	4850.8
17.5°	3945.3	3947.0	3972.8	4047.2	4191.1	4391.6	4658.4	4713.4	4896.1	5048.1	4776.4
20°	3862.9	3856.4	3861.3	3898.4	4010.0	4192.7	4499.9	4571.1	4803.9	5010.9	4708.5
22.5°	3874.2	3864.5	3841.8	3837.0	3887.1	4026.2	4331.8	4419.1	4703.7	4988.3	4647.1
25°	3974.4	3953.4	3921.1	3872.6	3853.2	3922.7	4184.6	4275.2	4609.9	4989.9	4600.2
27.5°	4128.0	4105.4	4065.0	4000.3	3924.3	3895.2	4084.4	4170.1	4543.6	5027.1	4577.6
30°	4323.7	4305.9	4267.1	4189.5	4087.6	3968.0	4063.4	4134.5	4511.3	5103.1	4587.3
32.5°	4554.9	4542.0	4509.6	4438.5	4322.1	4139.4	4134.5	4189.5	4537.1	5213.0	4624.4
35°	4778.1	4782.9	4784.5	4745.7	4621.2	4399.7	4330.2	4349.6	4643.9	5377.9	4708.5
37.5°	5019.0	5007.7	5065.9	5093.4	4973.7	4737.6	4632.5	4634.2	4847.6	5622.1	4867.0
40°	5201.7	5204.9	5331.1	5444.2	5394.1	5166.1	5015.7	5014.1	5161.3	5956.8	5122.5
42.5°	5373.1	5394.1	5580.1	5774.1	5843.6	5641.5	5533.2	5492.7	5601.1	6409.6	5505.7
45°	5555.8	5586.5	5846.9	6123.4	6306.1	6186.4	6100.7	6116.9	6129.8	6936.7	6021.5
47.5°	5769.2	5788.6	6110.4	6500.1	6841.3	6810.6	6815.4	6796.0	6789.5	7601.2	6703.8
50°	6028.0	6073.2	6443.5	6909.2	7374.9	7578.6	7646.5	7654.6	7549.5	8325.6	7410.4
52.5°	6577.7	6632.7	6949.6	7357.1	7957.0	8385.5	8661.9	8607.0	8445.3	9027.4	8185.0
55°	7226.1	7268.1	7573.7	7995.8	8668.4	9269.9	9926.4	9903.8	9507.6	9766.3	8822.0
57.5°	7287.5	7334.4	7808.2	8455.0	9582.0	10363.0	11053.4	11126.2	10545.7	10290.2	9391.2
60°	6597.1	6692.5	7339.3	8209.2	9931.2	11832.8	12288.7	12303.3	11307.3	10822.2	10086.5
62.5°	5287.4	5332.7	5984.3	7119.4	9392.8	12689.7	14175.7	13868.5	12285.5	11645.2	11187.6
65°	2771.4	2955.8	3523.3	4779.7	7617.4	12390.6	16445.9	16361.8	14044.7	12824.0	12044.6
67.5°	1901.5	1899.9	2034.1	2491.7	4542.0	10668.6	17560.0	18484.9	16078.9	13228.2	11423.7
70°	1447.2	1452.0	1571.7	1869.2	2352.6	7101.6	16337.6	17918.9	16457.2	12010.6	9239.2
72.5°	960.5	970.2	1169.0	1510.2	1878.9	3481.3	12696.2	14337.4	13847.5	9646.7	6503.3
75°	574.0	582.1	724.4	1097.9	1670.3	1948.4	8066.9	9911.8	9531.9	6648.9	3486.1
77.5°	236.1	242.5	371.9	684.0	1222.4	1513.5	4461.1	6485.5	5709.4	2643.7	952.4
80°	98.6	101.9	179.5	478.6	881.2	949.1	2066.4	3047.9	2339.7	569.2	291.0
82.5°	35.6	37.2	66.3	263.6	548.1	714.7	1042.9	1204.6	659.7	185.9	156.8
85°	1.6	1.6	16.2	88.9	208.6	202.1	596.7	577.2	218.3	77.6	93.8
87.5°	0.0	0.0	1.6	1.6	3.2	8.1	56.6	100.3	46.9	19.4	40.4
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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Scaled Data Report

REPORT NUMBER: P642435
CATALOG NUMBER: GWS-SA6C-830-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6
2.5°	5235.7	5150.0	5056.2	4968.9	4829.8	4747.3	4645.5	4600.2	4535.5	4519.3	4529.0
5°	5128.9	4981.8	4757.0	4553.3	4289.7	4077.9	3864.5	3773.9	3657.5	3579.9	3547.6
7.5°	4978.6	4786.1	4435.3	4065.0	3702.8	3316.3	3022.1	2828.0	2651.8	2554.8	2535.4
10°	4826.6	4575.9	4073.1	3542.7	2981.6	2519.2	2121.4	1827.1	1587.8	1479.5	1395.4
12.5°	4669.7	4357.7	3704.4	3012.4	2360.7	1730.1	1238.6	952.4	781.0	713.1	724.4
15°	4525.8	4147.5	3339.0	2482.0	1662.2	1044.5	684.0	577.2	536.8	523.9	522.3
17.5°	4388.4	3948.6	2975.2	1966.2	1096.3	640.3	523.9	498.0	486.7	480.2	480.2
20°	4263.9	3757.8	2619.4	1481.1	708.2	507.7	473.8	460.8	451.1	446.3	446.3
22.5°	4147.5	3573.4	2271.8	1047.8	522.3	456.0	435.0	422.0	410.7	404.2	404.2
25°	4042.4	3406.9	1940.3	721.2	449.5	417.2	394.5	380.0	360.6	349.3	349.3
27.5°	3966.4	3258.1	1621.8	525.5	405.9	375.1	349.3	329.9	308.8	295.9	292.7
30°	3921.1	3132.0	1300.0	431.7	365.4	334.7	305.6	281.3	257.1	244.2	242.5
32.5°	3895.2	3015.6	1005.7	376.7	331.5	295.9	263.6	237.7	213.4	198.9	197.3
35°	3904.9	2925.0	753.5	339.6	299.1	261.9	226.4	200.5	179.5	166.5	163.3
37.5°	3989.0	2884.6	565.9	310.5	271.6	232.8	195.6	171.4	152.0	142.3	140.7
40°	4152.3	2892.7	444.7	287.8	249.0	203.7	168.2	145.5	131.0	122.9	121.3
42.5°	4406.2	2960.6	367.0	268.4	224.8	177.9	145.5	127.7	113.2	105.1	103.5
45°	4784.5	3101.3	320.2	245.8	198.9	153.6	126.1	110.0	97.0	87.3	85.7
47.5°	5332.7	3345.4	289.4	224.8	176.2	132.6	108.3	92.2	80.8	72.8	71.1
50°	5916.4	3638.1	263.6	203.7	156.8	114.8	92.2	76.0	66.3	58.2	56.6
52.5°	6538.9	3953.4	244.2	184.3	139.1	98.6	77.6	63.1	53.4	45.3	43.7
55°	7137.2	4270.3	221.5	171.4	118.0	84.1	64.7	51.7	42.0	35.6	35.6
57.5°	7719.3	4561.4	197.3	150.4	97.0	71.1	53.4	42.0	34.0	29.1	27.5
60°	8414.6	4964.0	169.8	127.7	80.8	59.8	43.7	34.0	27.5	22.6	22.6
62.5°	9447.8	5382.8	145.5	106.7	67.9	50.1	35.6	27.5	22.6	19.4	17.8
65°	9785.7	5156.4	122.9	87.3	55.0	40.4	29.1	24.3	19.4	17.8	16.2
67.5°	*8883.5*	*4226.7*	*101.9*	*71.1*	*45.3*	*34.0*	*25.9*	*21.0*	*17.8*	*16.2*	*14.6*
70°	6931.8	2999.4	79.2	53.4	37.2	27.5	22.6	19.4	16.2	14.6	14.6
72.5°	4715.0	1773.8	63.1	40.4	30.7	24.3	19.4	17.8	16.2	14.6	12.9
75°	2321.9	630.6	48.5	30.7	24.3	21.0	17.8	16.2	14.6	12.9	12.9
77.5°	625.8	174.6	37.2	24.3	19.4	16.2	16.2	16.2	14.6	11.3	11.3
80°	211.8	72.8	27.5	17.8	16.2	12.9	11.3	14.6	12.9	11.3	9.7
82.5°	116.4	35.6	19.4	14.6	11.3	9.7	9.7	9.7	9.7	8.1	8.1
85°	74.4	19.4	12.9	11.3	11.3	8.1	6.5	6.5	4.9	4.9	4.9
87.5°	34.0	11.3	11.3	9.7	9.7	8.1	4.9	3.2	1.6	1.6	1.6
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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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

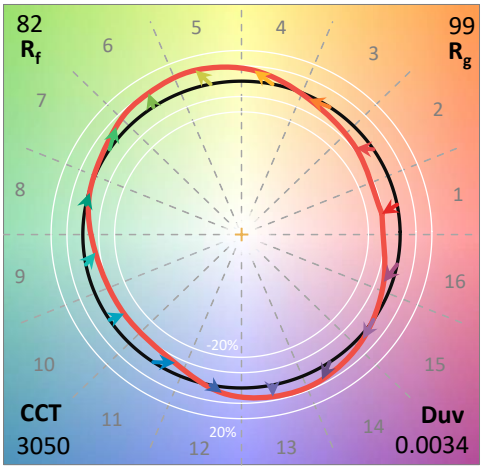
Test Information

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

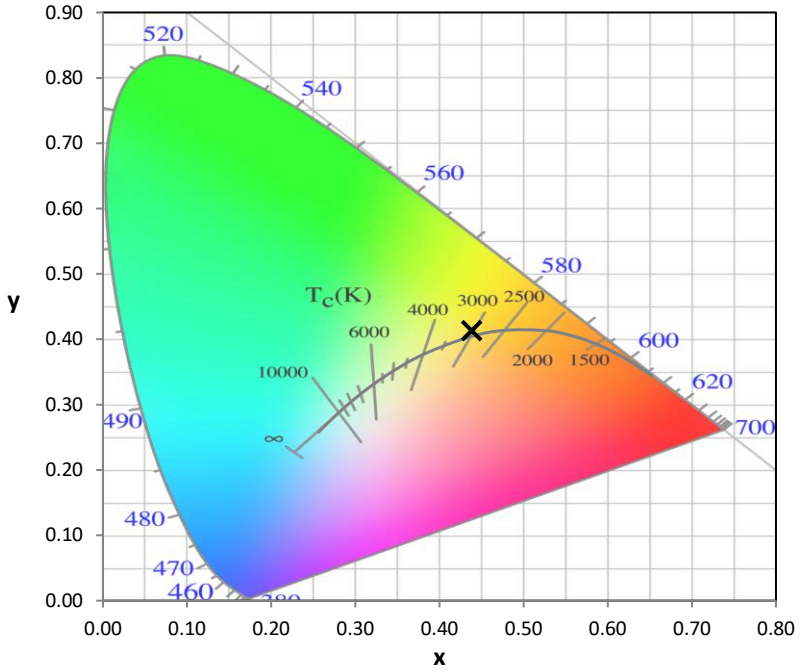
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

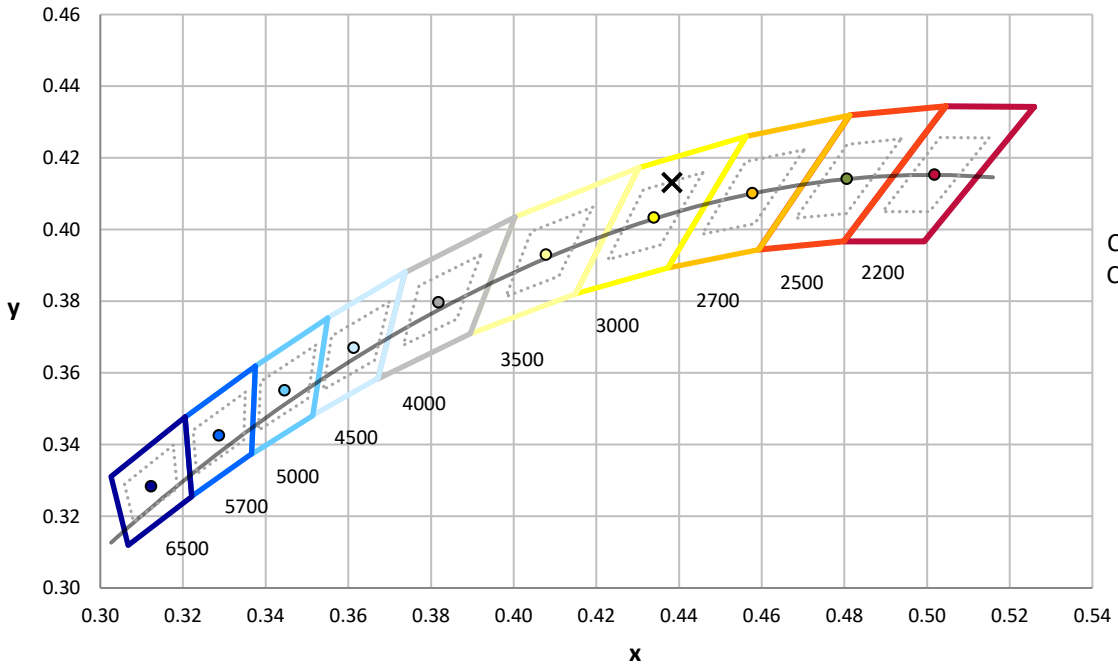
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

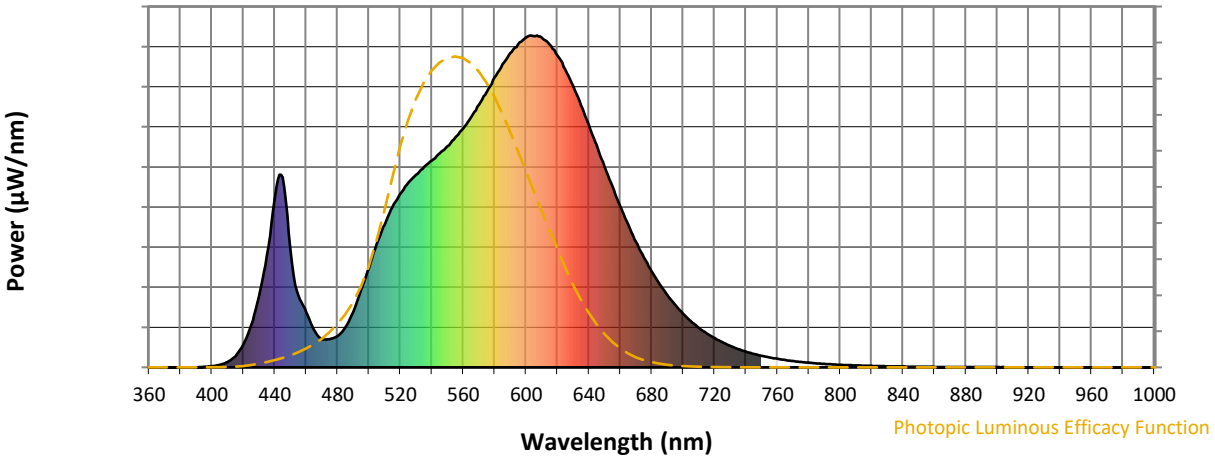


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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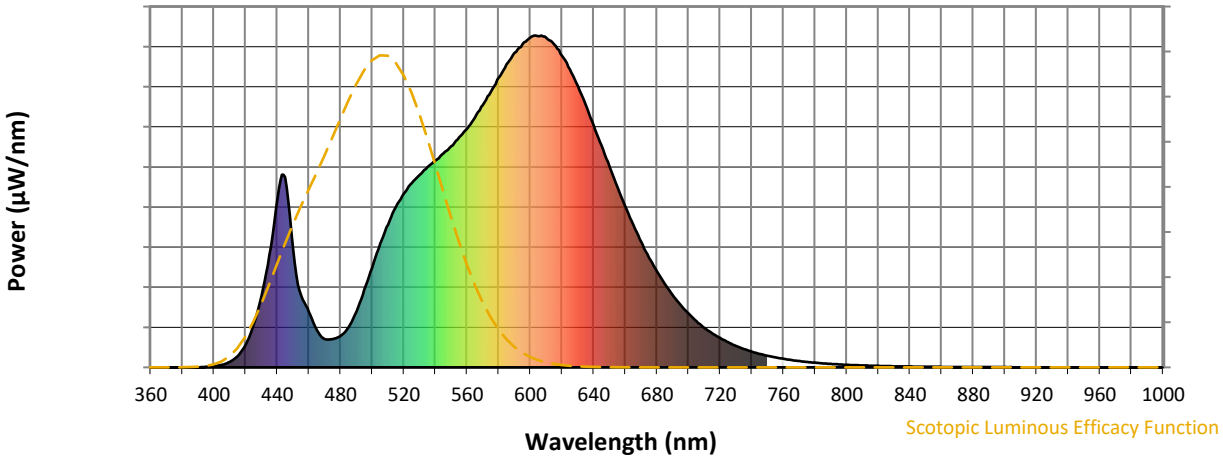
Scotopic Flux vs. Wavelength



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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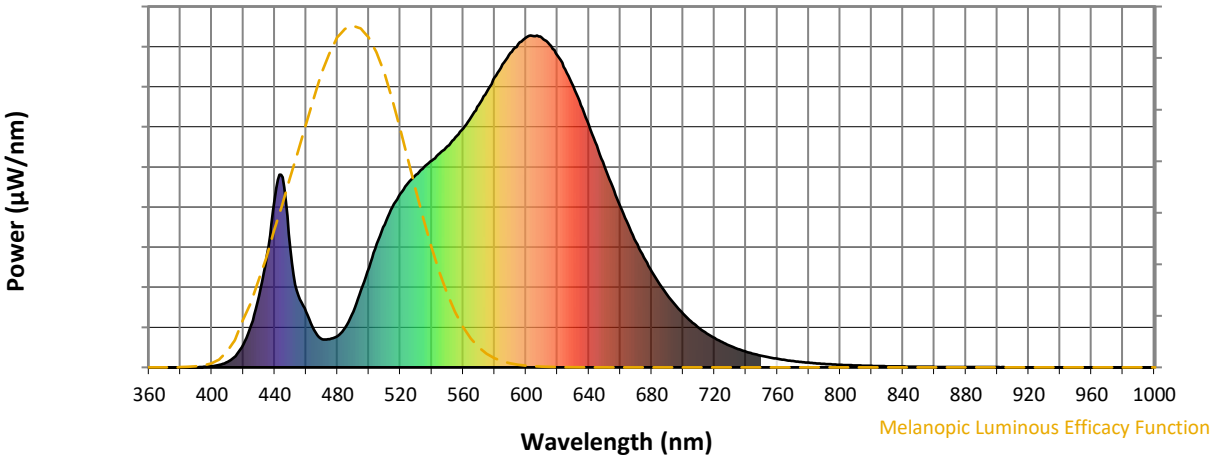
Melanopic Flux vs. Wavelength



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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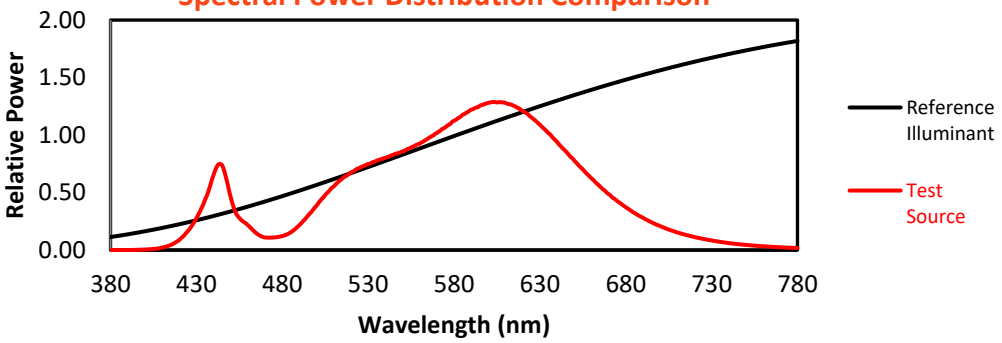
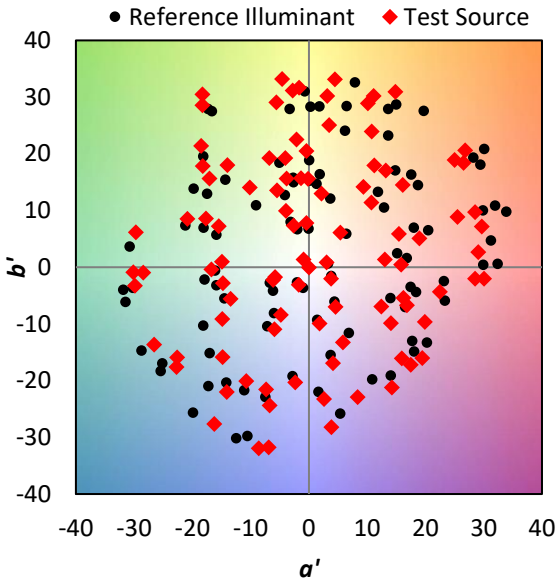
Summary

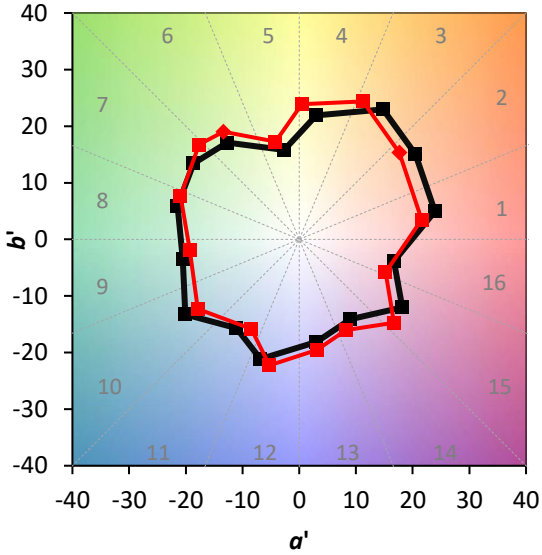
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

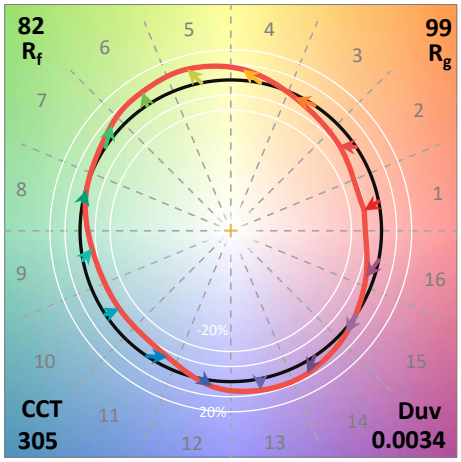
Spectral Power Distribution Comparison

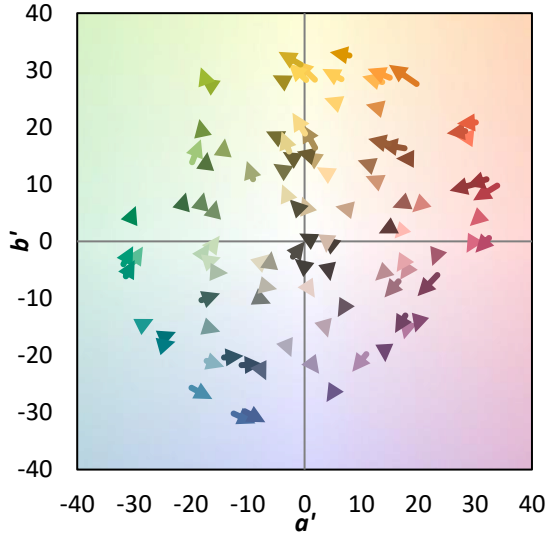


Color Vector Graphics









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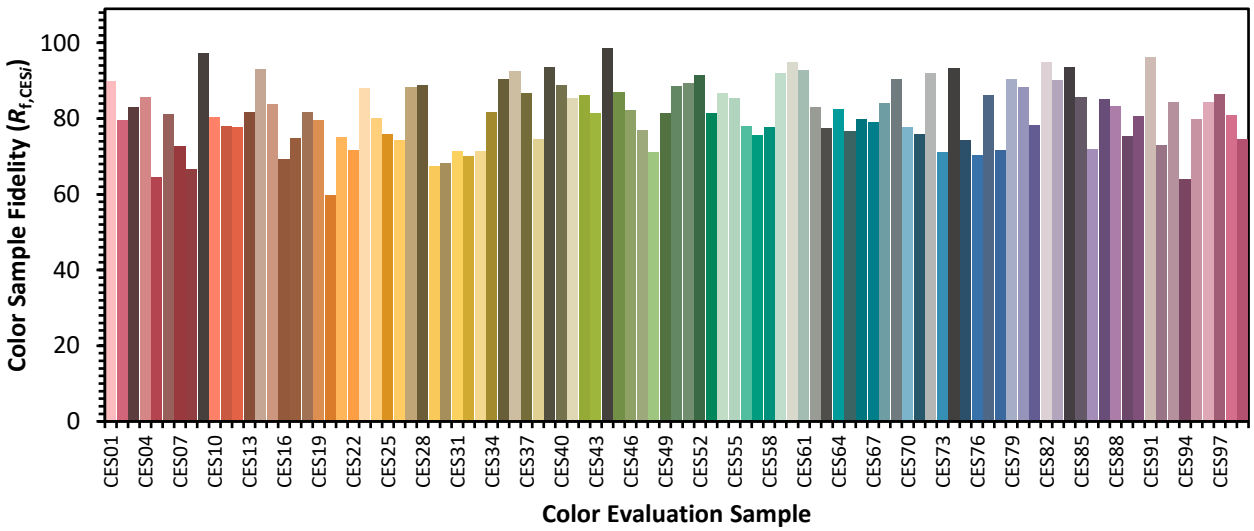
Individual Sample Fidelity Index ($R_{f,i}$)

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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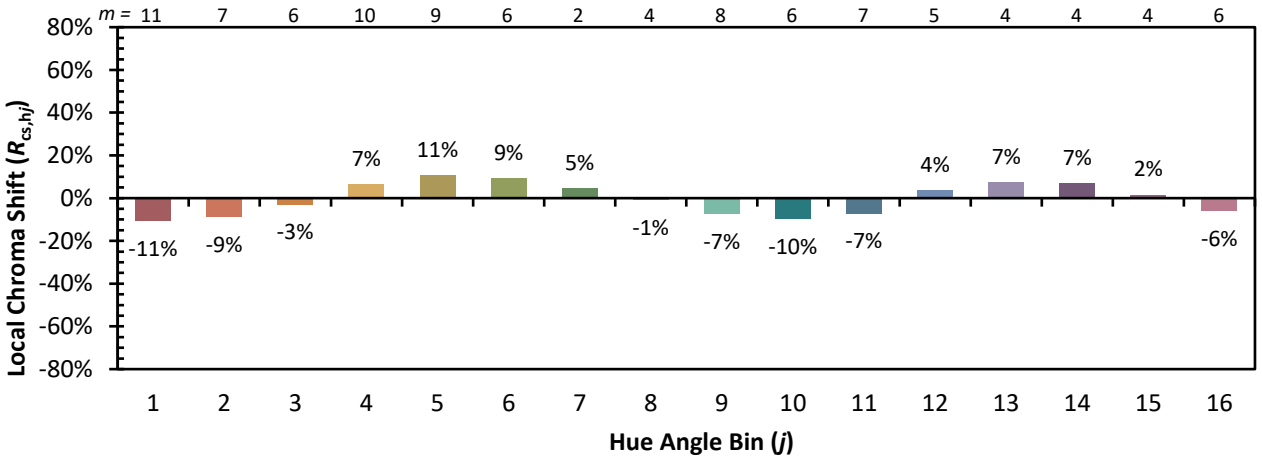
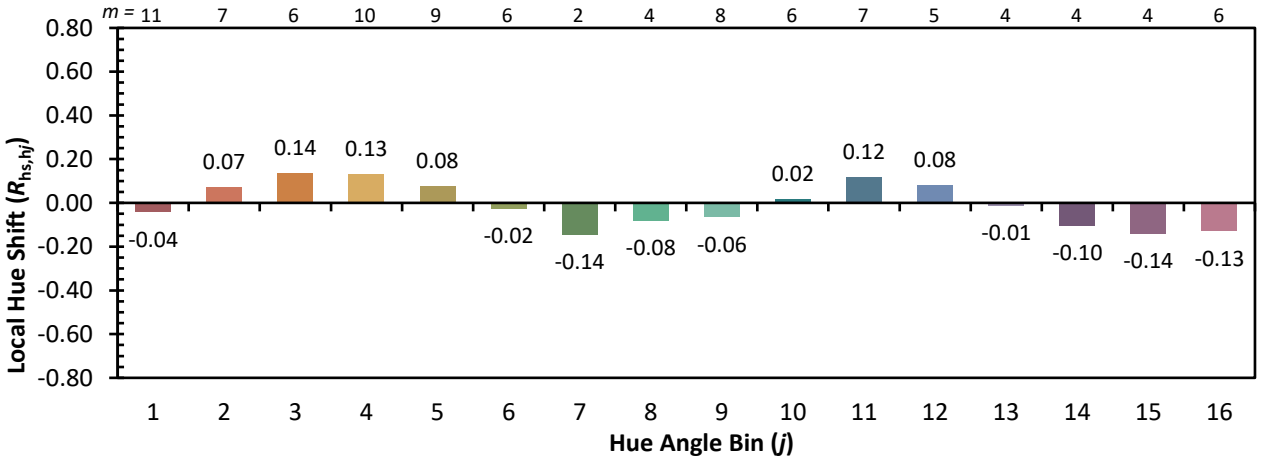
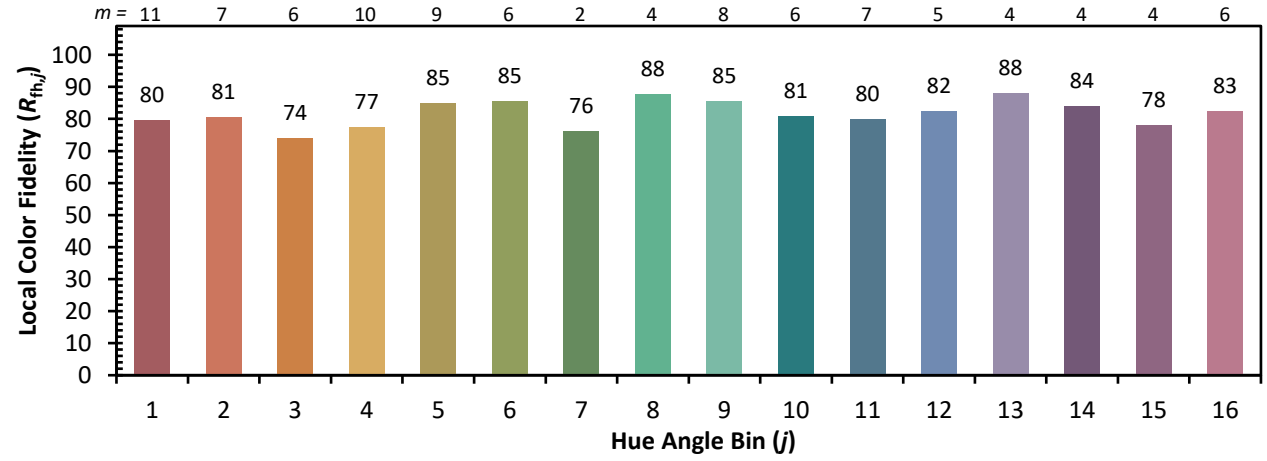
Color Rendition by Hue-Angle Bin







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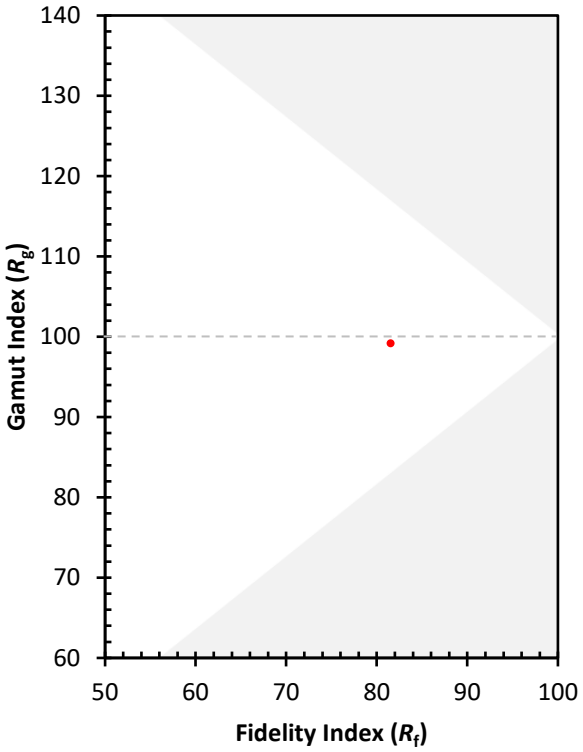
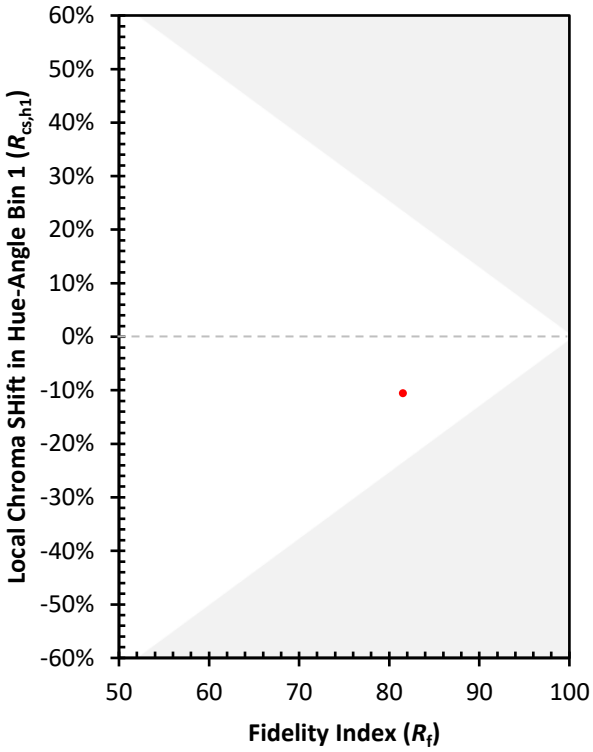
Measure Comparisons





(END OF REPORT)