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: P641938

Luminaire Tested: GWS-SA6B-830-U-SL3-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:	P641938
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
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-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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:	9837.5 lumens
Efficiency:	N/A
Efficacy:	70.8 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G1

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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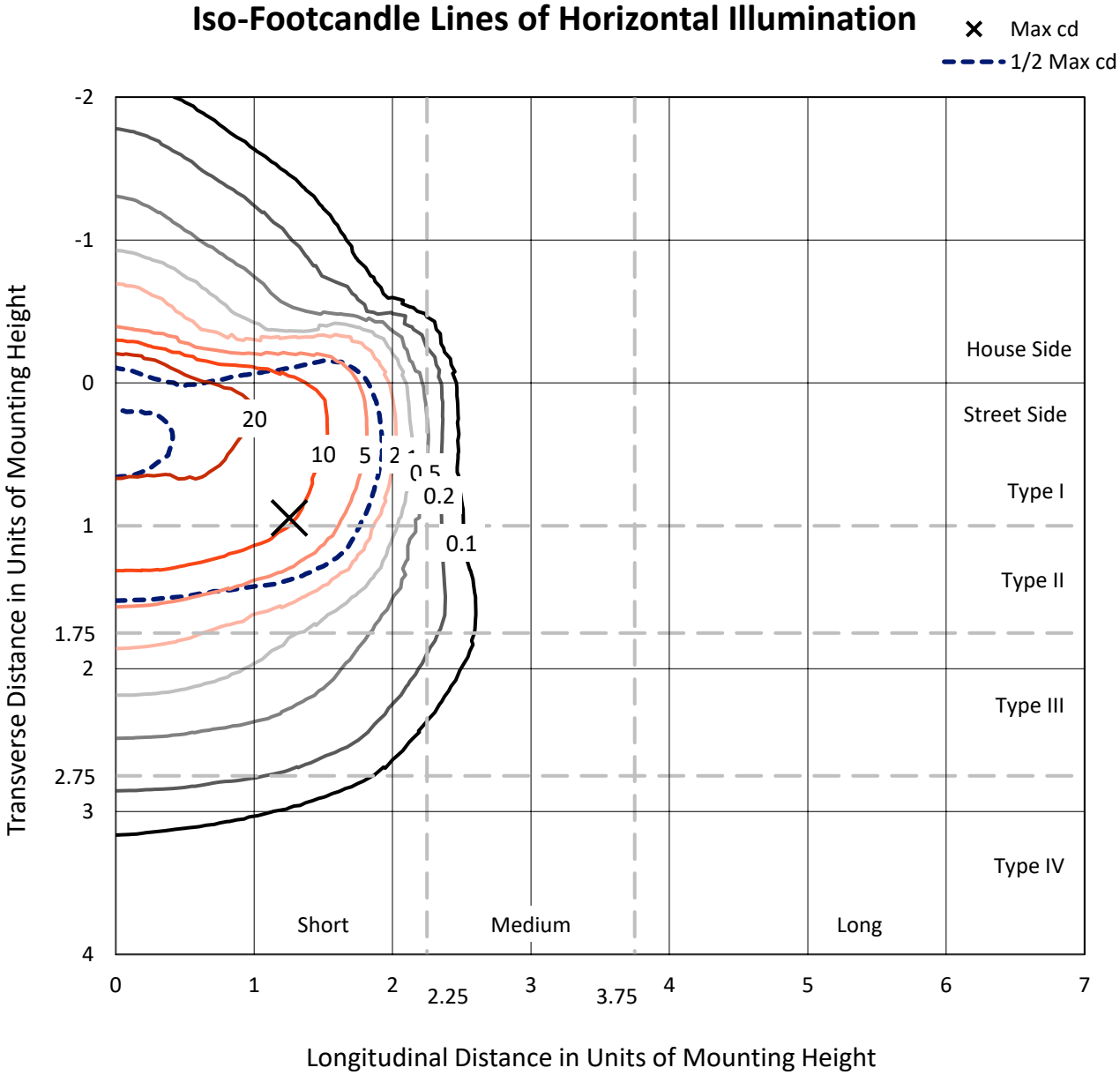
REPORT NUMBER: P641938
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 43.2 fc
Type II - Short - N/A

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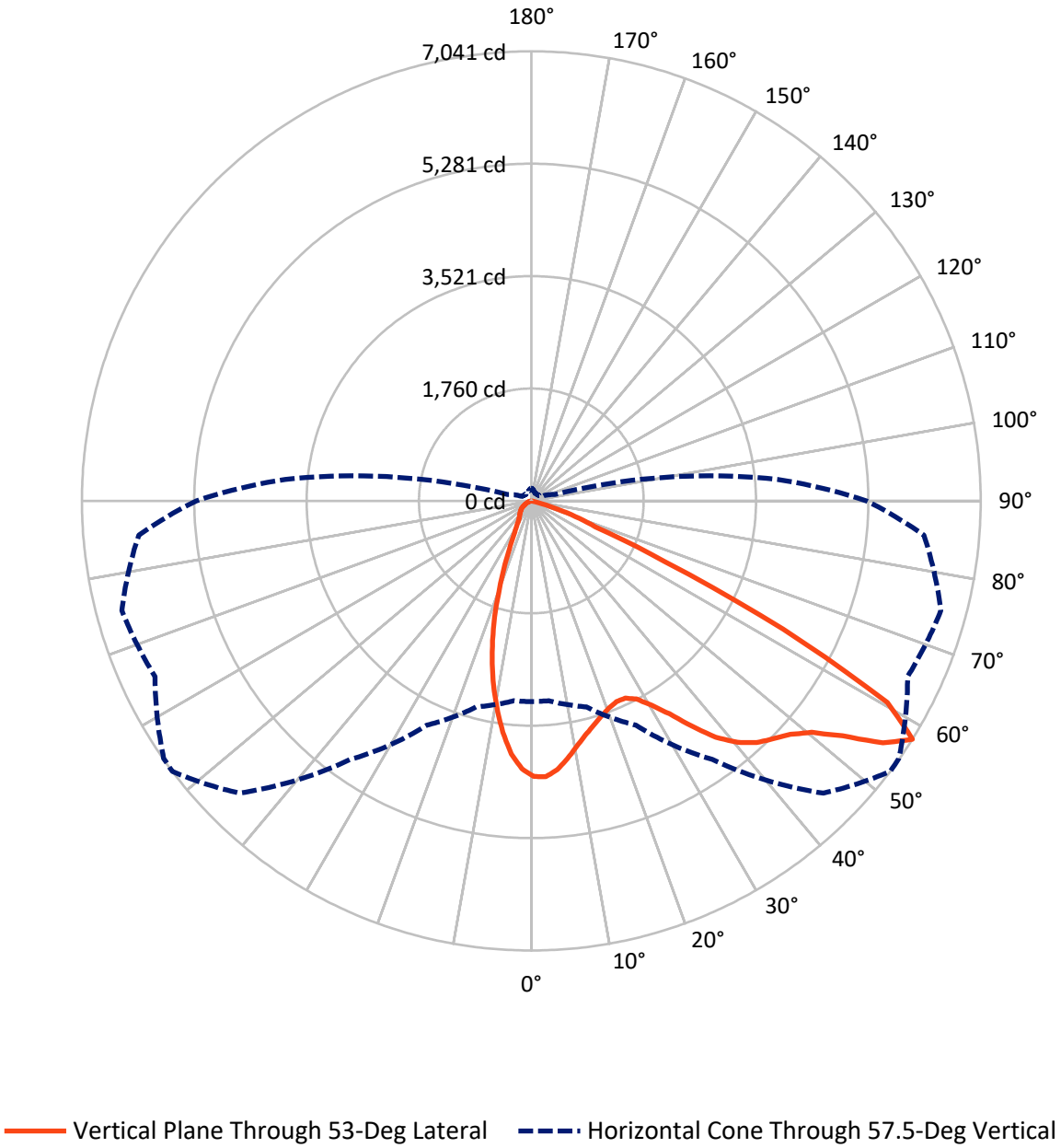
Luminous Intensity Polar Plot



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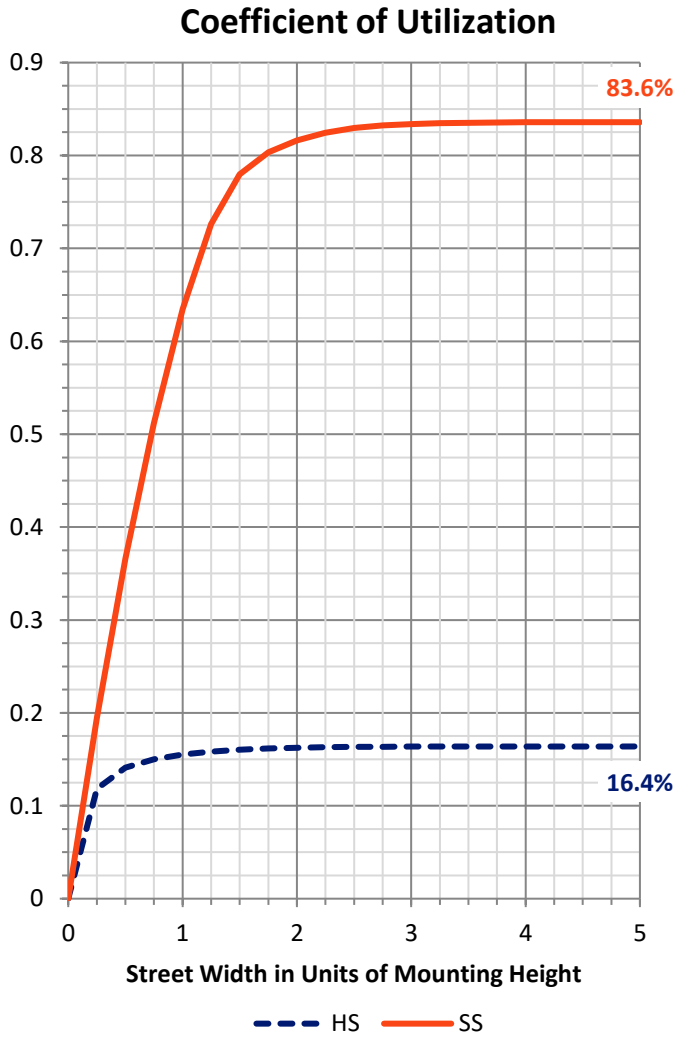
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1625.0	0.0	1625.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8212.5	0.0	8212.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	9837.5	0.0	9837.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.2	3.8
10°-20°	810.5	8.2
20°-30°	1055.9	10.7
30°-40°	1531.6	15.6
40°-50°	2210.1	22.5
50°-60°	2672.9	27.2
60°-70°	1089.4	11.1
70°-80°	97.9	1.0
80°-90°	0.0	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°	9837.5	100.0
0°-180°	9837.5	100.0



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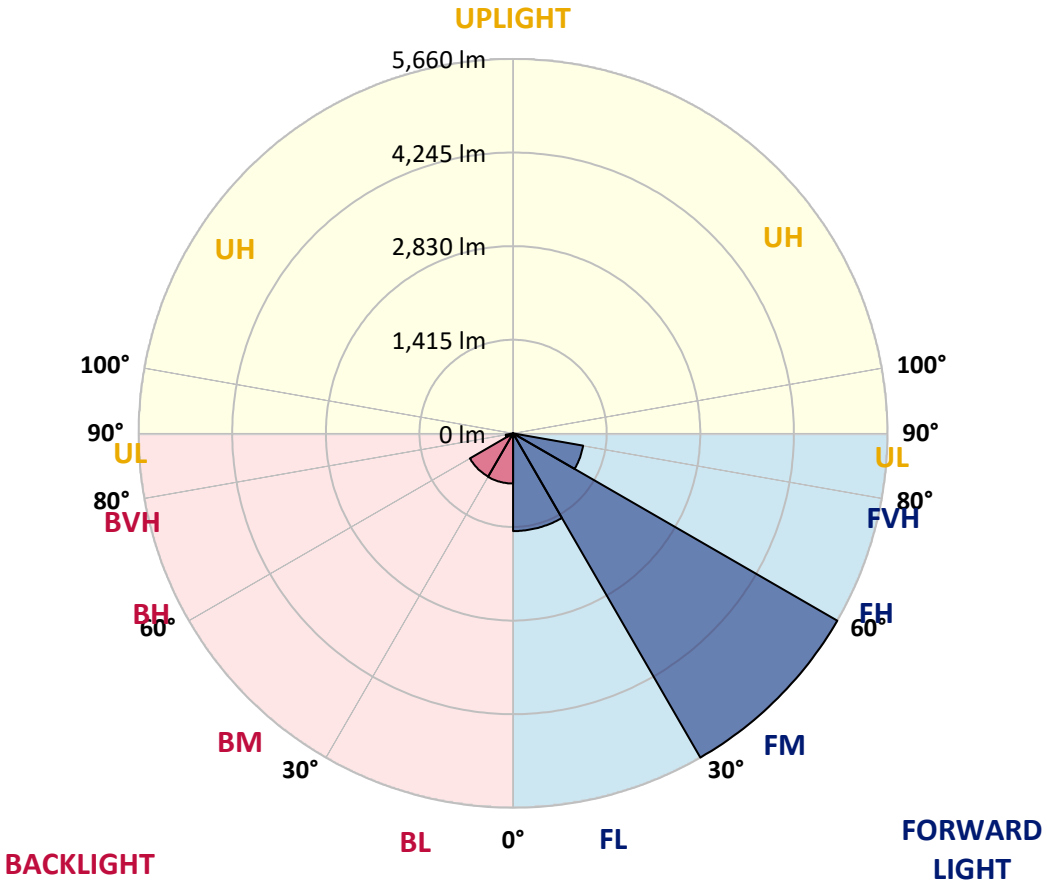
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1477.3	15.0			
FM	(30°-60°)	5660.3	57.5			
FH	(60°-80°)	1074.9	10.9			G1/1800
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	758.4	7.7	B2/1000		
BM	(30°-60°)	754.3	7.7	B1/1000		
BH	(60°-80°)	112.3	1.1	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: B2-U0-G1
Type II Short



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REPORT NUMBER: P641938
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3
2.5°	4255.0	4264.6	4281.5	4303.2	4317.7	4324.9	4324.9	4345.4	4332.2	4321.3	4309.3
5°	4072.9	4082.6	4105.5	4140.5	4175.4	4200.7	4229.7	4251.4	4259.8	4259.8	4239.3
7.5°	3816.1	3829.4	3843.9	3892.1	3968.0	4024.7	4074.1	4105.5	4151.3	4165.8	4136.8
10°	3540.0	3553.3	3585.8	3652.1	3739.0	3823.4	3907.8	3947.5	4025.9	4066.9	4034.4
12.5°	3306.1	3312.1	3355.5	3435.1	3546.0	3661.8	3764.3	3805.3	3916.2	3977.7	3939.1
15°	3113.2	3116.8	3160.2	3248.2	3376.0	3518.3	3647.3	3689.5	3825.8	3918.6	3860.7
17.5°	2967.3	2968.5	3005.9	3101.1	3235.0	3392.9	3546.0	3597.9	3773.9	3886.1	3799.2
20°	2893.7	2890.1	2916.6	2999.8	3126.4	3284.4	3465.3	3529.2	3745.0	3881.2	3752.2
22.5°	2894.9	2886.5	2897.4	2956.4	3063.7	3212.1	3414.6	3487.0	3747.4	3901.7	3712.4
25°	2963.7	2951.6	2954.0	2985.4	3061.3	3196.4	3421.8	3499.0	3795.6	3970.5	3698.0
27.5°	3079.4	3066.2	3066.2	3081.8	3122.8	3245.8	3512.3	3600.3	3924.6	4104.3	3728.1
30°	3228.9	3215.7	3210.8	3226.5	3260.3	3373.6	3713.6	3805.3	4145.3	4323.7	3824.6
32.5°	3400.1	3384.5	3392.9	3414.6	3447.2	3603.9	3972.9	4094.6	4421.4	4619.1	3998.2
35°	3581.0	3567.7	3606.3	3653.3	3704.0	3923.4	4331.0	4437.1	4760.2	4986.9	4263.4
37.5°	3753.4	3747.4	3828.2	3927.0	4031.9	4306.8	4695.1	4777.1	5050.8	5387.2	4587.8
40°	3925.8	3924.6	4063.3	4236.9	4404.5	4689.1	4971.2	5038.7	5228.0	5698.3	4898.9
42.5°	4118.8	4118.8	4310.5	4542.0	4765.0	5012.2	5173.8	5203.9	5307.6	5877.9	5132.8
45°	4303.2	4314.1	4535.9	4804.8	5068.9	5264.2	5313.6	5316.0	5340.2	5984.0	5326.9
47.5°	4449.1	4458.8	4724.0	5033.9	5318.5	5455.9	5463.1	5452.3	5425.8	6085.3	5476.4
50°	4567.3	4581.8	4859.1	5187.0	5489.7	5640.4	5695.8	5685.0	5617.5	6193.8	5581.3
52.5°	4625.2	4645.7	4906.1	5263.0	5680.2	5956.3	6110.6	6135.9	5904.4	6254.1	5681.4
55°	4162.2	4192.3	4432.2	4920.6	5786.3	6444.6	6686.9	6682.1	6215.5	6433.7	5924.9
57.5°	3143.3	3140.9	3339.9	3874.0	4942.3	6472.3	7041.4	7031.8	6506.1	6642.3	6174.5
60°	2140.2	2125.7	2178.7	2436.8	3455.6	5272.6	6408.4	6538.6	6299.9	6135.9	5242.5
62.5°	1761.6	1748.3	1731.4	1660.3	1984.6	3284.4	4427.4	4625.2	4593.8	4264.6	3288.0
65°	1442.0	1452.9	1499.9	1469.8	1380.6	1684.4	2298.1	2415.1	2207.7	1858.0	1149.1
67.5°	1063.4	1068.3	1129.8	1288.9	1240.7	1121.3	1081.5	1100.8	645.1	296.6	191.7
70°	628.2	631.8	688.5	901.9	1006.8	860.9	730.7	719.8	255.6	79.6	86.8
72.5°	355.7	348.5	359.3	429.2	548.6	457.0	376.2	342.4	77.2	44.6	44.6
75°	168.8	164.0	141.1	132.6	120.6	77.2	48.2	41.0	19.3	18.1	18.1
77.5°	1.2	3.6	2.4	3.6	3.6	2.4	1.2	1.2	3.6	3.6	4.8
80°	0.0	0.0	0.0	0.0	0.0	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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REPORT NUMBER: P641938
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3	4315.3
2.5°	4287.6	4251.4	4242.9	4240.5	4206.8	4170.6	4133.2	4118.8	4097.1	4083.8	4094.6
5°	4206.8	4154.9	4109.1	4066.9	3992.2	3910.2	3839.0	3793.2	3749.8	3720.9	3728.1
7.5°	4092.2	4024.7	3919.8	3812.5	3675.0	3552.1	3414.6	3330.2	3251.8	3208.4	3228.9
10°	3970.5	3881.2	3713.6	3531.6	3315.7	3122.8	2926.3	2765.9	2673.1	2585.1	2594.7
12.5°	3851.1	3732.9	3482.1	3206.0	2933.5	2649.0	2352.4	2130.5	1978.6	1868.9	1852.0
15°	3740.2	3588.2	3256.7	2892.5	2521.2	2142.6	1764.0	1446.9	1270.8	1162.3	1155.1
17.5°	3641.3	3453.2	3022.8	2564.6	2099.2	1614.5	1179.2	941.7	840.4	793.4	788.5
20°	3546.0	3316.9	2784.0	2231.8	1638.6	1133.4	813.9	704.1	671.6	652.3	654.7
22.5°	3454.4	3168.6	2533.2	1862.8	1228.6	795.8	630.6	588.4	584.8	587.2	588.4
25°	3377.2	3032.4	2275.2	1507.2	876.6	606.5	526.9	514.8	525.7	541.4	543.8
27.5°	3337.4	2921.5	2023.2	1149.1	634.2	493.1	457.0	461.8	481.1	498.0	500.4
30°	3348.3	2838.3	1762.8	833.2	488.3	416.0	403.9	413.6	432.9	448.5	450.9
32.5°	3425.5	2796.1	1496.3	606.5	401.5	362.9	358.1	365.3	382.2	394.3	395.5
35°	3578.6	2805.7	1243.1	464.2	344.8	323.1	321.9	326.8	335.2	343.6	344.8
37.5°	3804.1	2884.1	993.5	385.8	312.3	296.6	291.8	291.8	297.8	301.4	303.8
40°	4046.4	3002.3	795.8	341.2	289.4	272.5	262.8	259.2	264.1	268.9	270.1
42.5°	4246.6	3120.4	646.3	309.9	271.3	248.4	236.3	233.9	239.9	248.4	250.8
45°	4399.7	3212.1	539.0	284.6	250.8	225.5	212.2	212.2	223.1	237.5	239.9
47.5°	4539.6	3285.6	459.4	261.6	231.5	205.0	191.7	194.1	212.2	231.5	235.1
50°	4634.8	3344.7	400.3	241.1	215.8	188.1	176.0	180.9	202.6	225.5	229.1
52.5°	4737.3	3417.0	361.7	223.1	201.4	174.8	164.0	167.6	191.7	217.0	221.9
55°	5020.6	3659.4	360.5	198.9	176.0	156.7	151.9	153.1	177.2	206.2	212.2
57.5°	*5252.1*	*3872.8*	*384.6*	*167.6*	*147.1*	*137.5*	*135.0*	*136.2*	*157.9*	*190.5*	*197.7*
60°	4345.4	3009.5	318.3	138.7	123.0	120.6	117.0	119.4	139.9	168.8	174.8
62.5°	2571.8	1720.6	151.9	106.1	104.9	102.5	98.9	103.7	123.0	148.3	151.9
65°	879.0	510.0	96.5	86.8	89.2	85.6	82.0	86.8	103.7	118.2	119.4
67.5°	168.8	135.0	77.2	72.3	73.5	66.3	65.1	69.9	79.6	82.0	80.8
70°	88.0	78.4	59.1	59.1	56.7	47.0	47.0	51.8	51.8	48.2	47.0
72.5°	45.8	43.4	38.6	43.4	36.2	28.9	28.9	31.3	28.9	24.1	24.1
75°	18.1	18.1	16.9	21.7	15.7	13.3	12.1	14.5	10.9	8.4	8.4
77.5°	4.8	4.8	4.8	6.0	3.6	3.6	2.4	2.4	1.2	0.0	0.0
80°	0.0	1.2	0.0	1.2	0.0	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

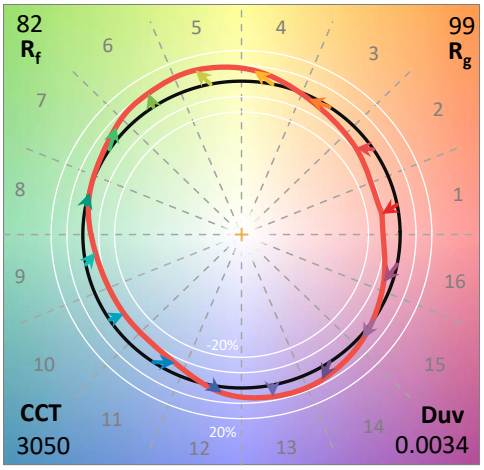
Test Information

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

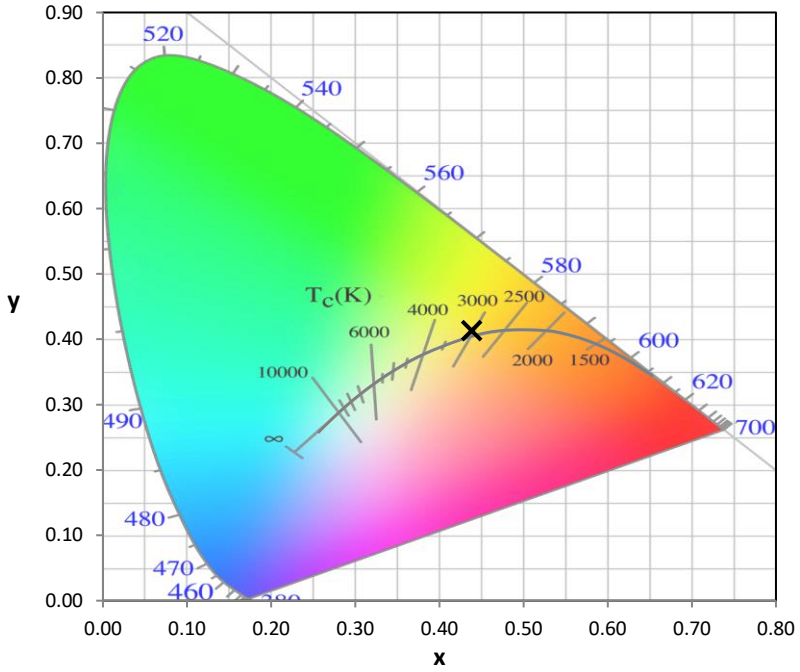
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

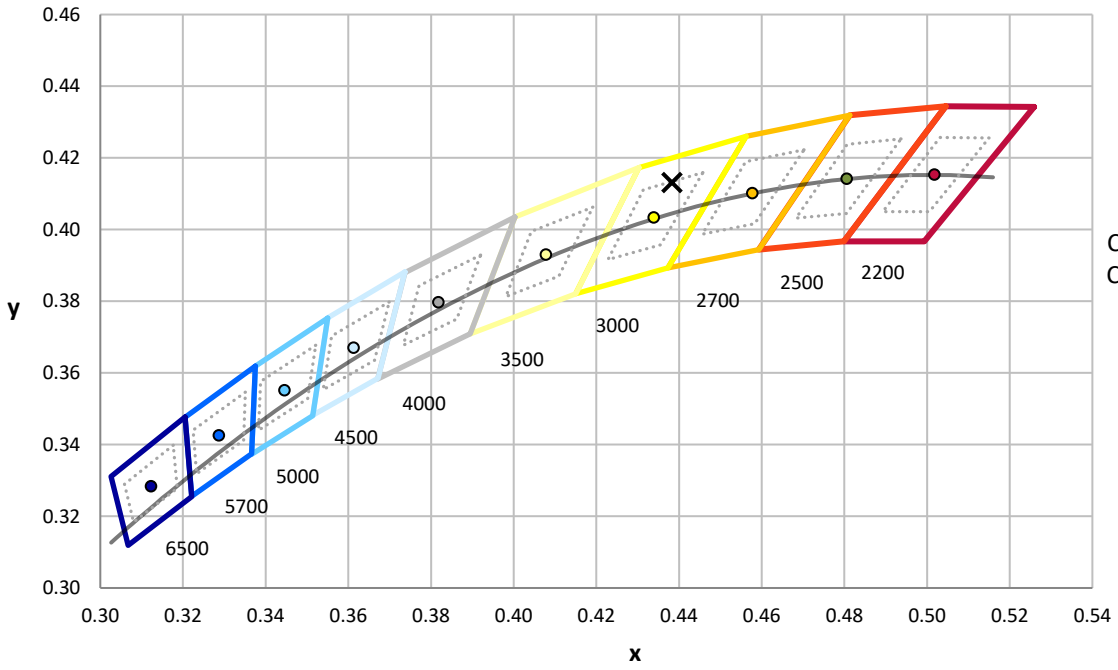
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

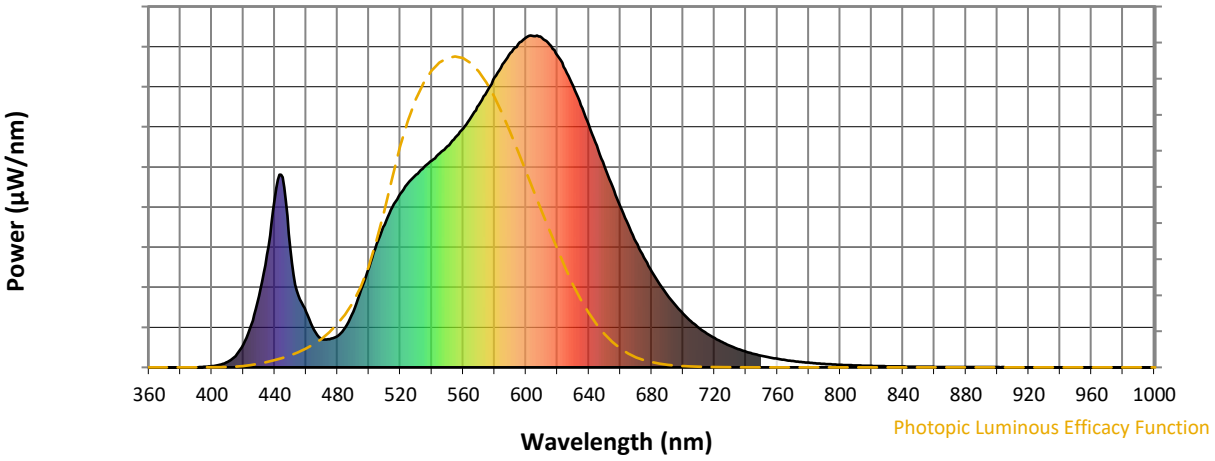


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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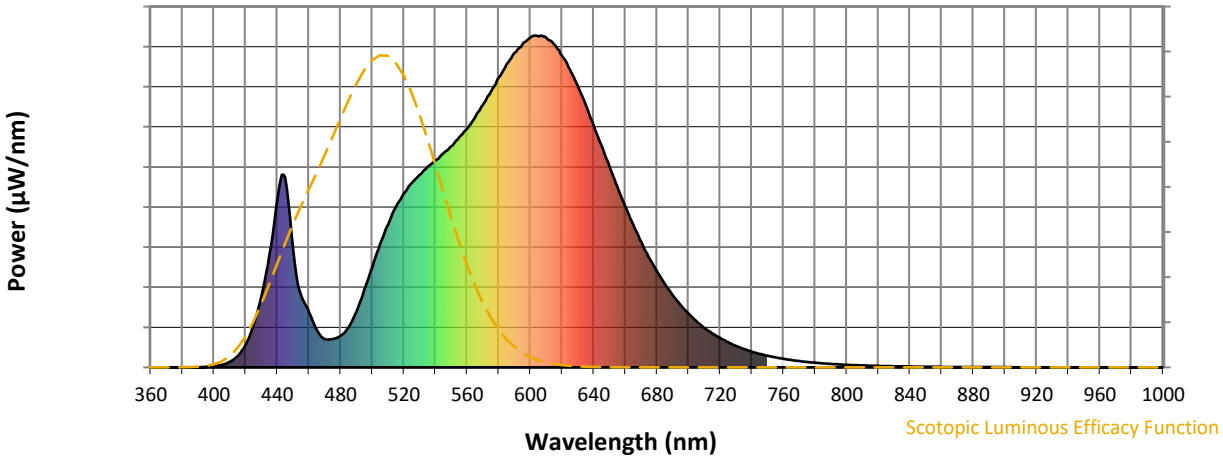
Scotopic Flux vs. Wavelength



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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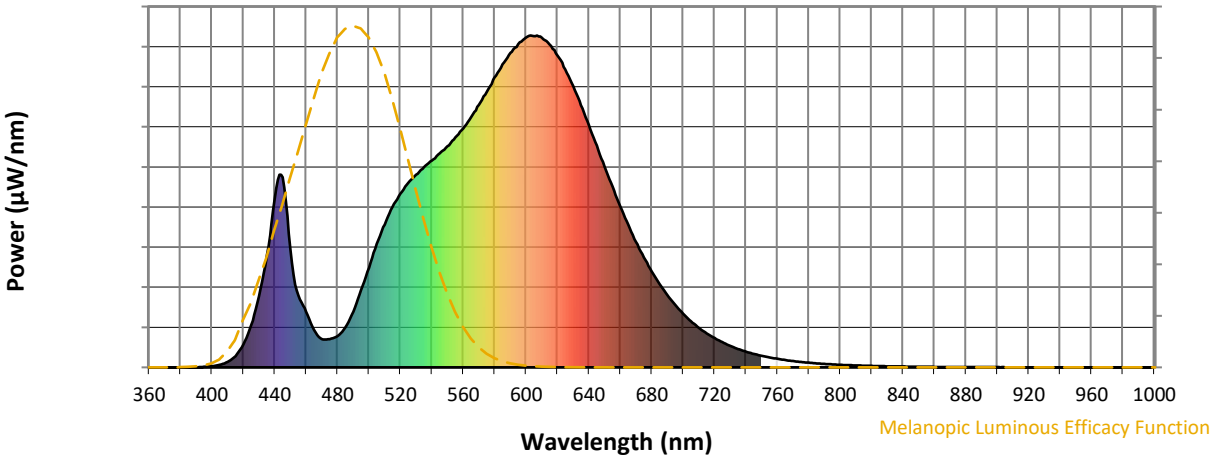
Melanopic Flux vs. Wavelength



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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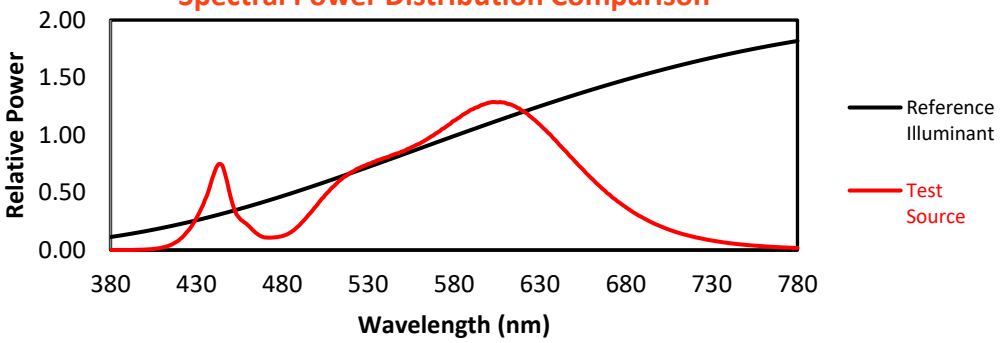
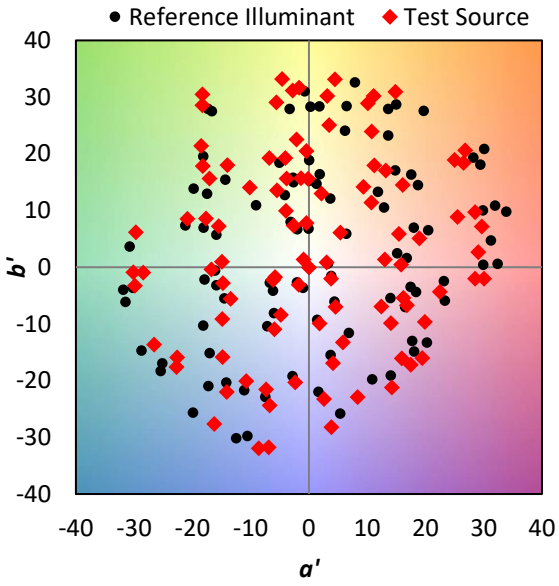
Summary

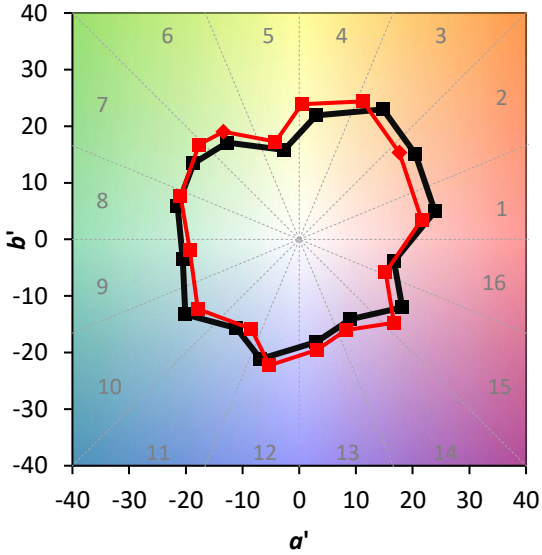
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

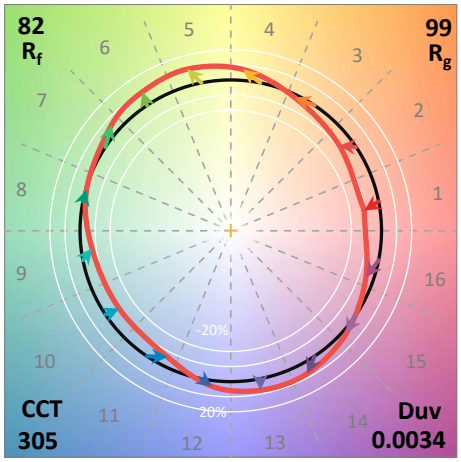
Spectral Power Distribution Comparison

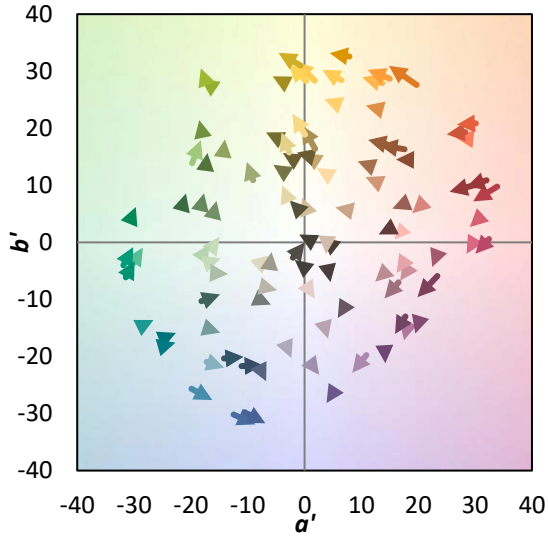


Color Vector Graphics









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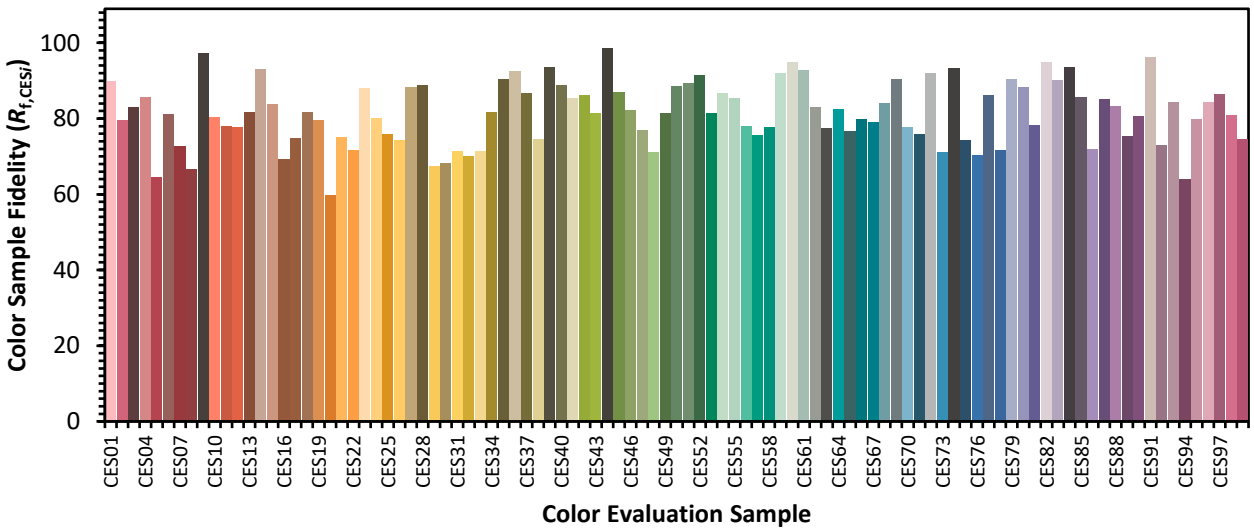
Individual Sample Fidelity Index ($R_{f,i}$)

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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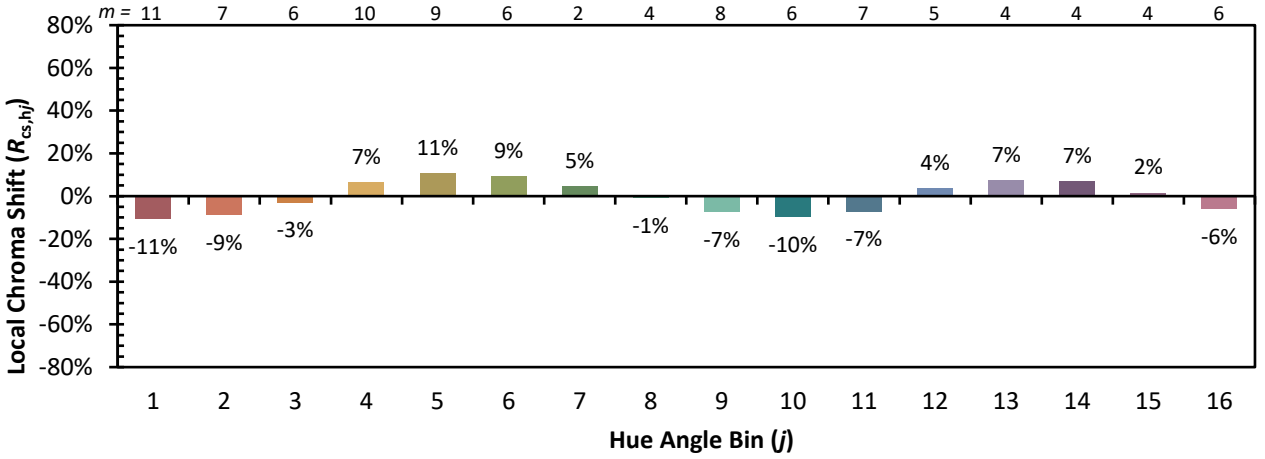
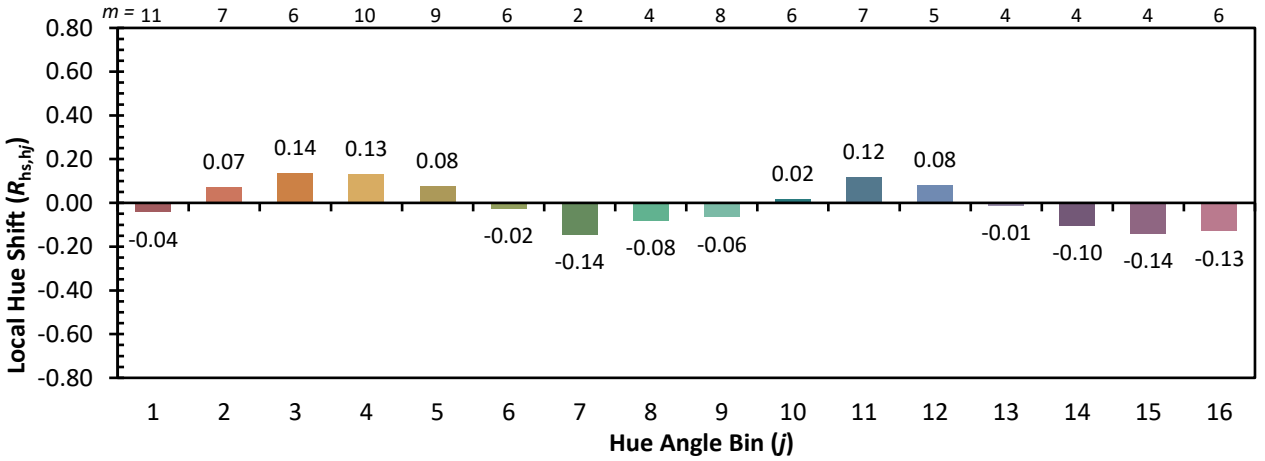
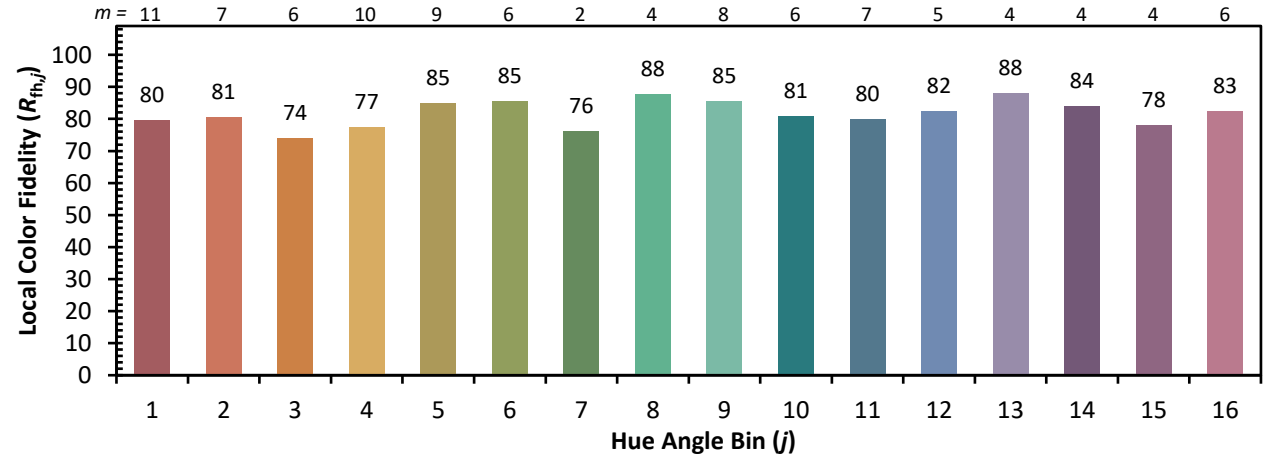
Color Rendition by Hue-Angle Bin







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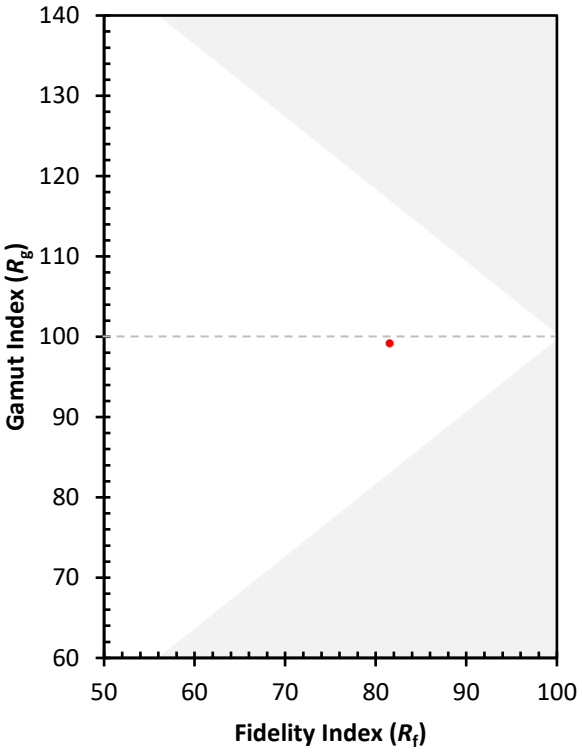
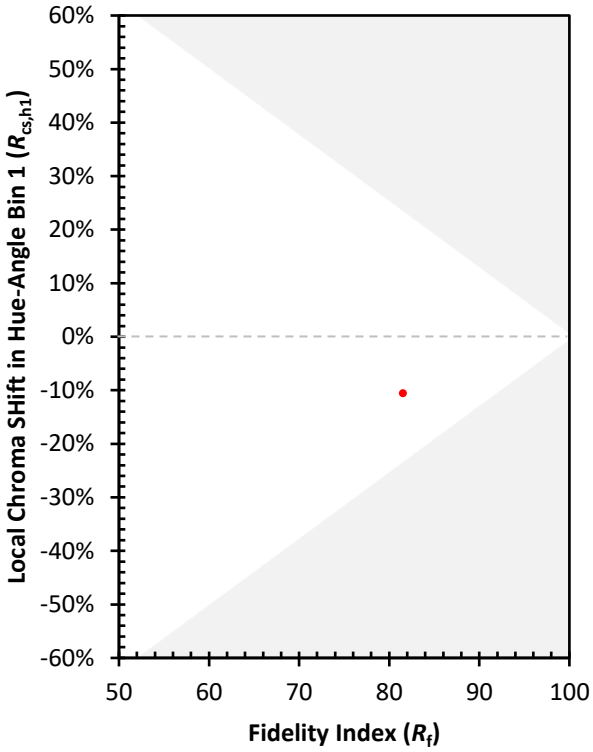
Measure Comparisons





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