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: P641940

Luminaire Tested: GWS-SA6B-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:	P641940
	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-SA6B-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:	13622.3 lumens
Efficiency:	N/A
Efficacy:	98.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

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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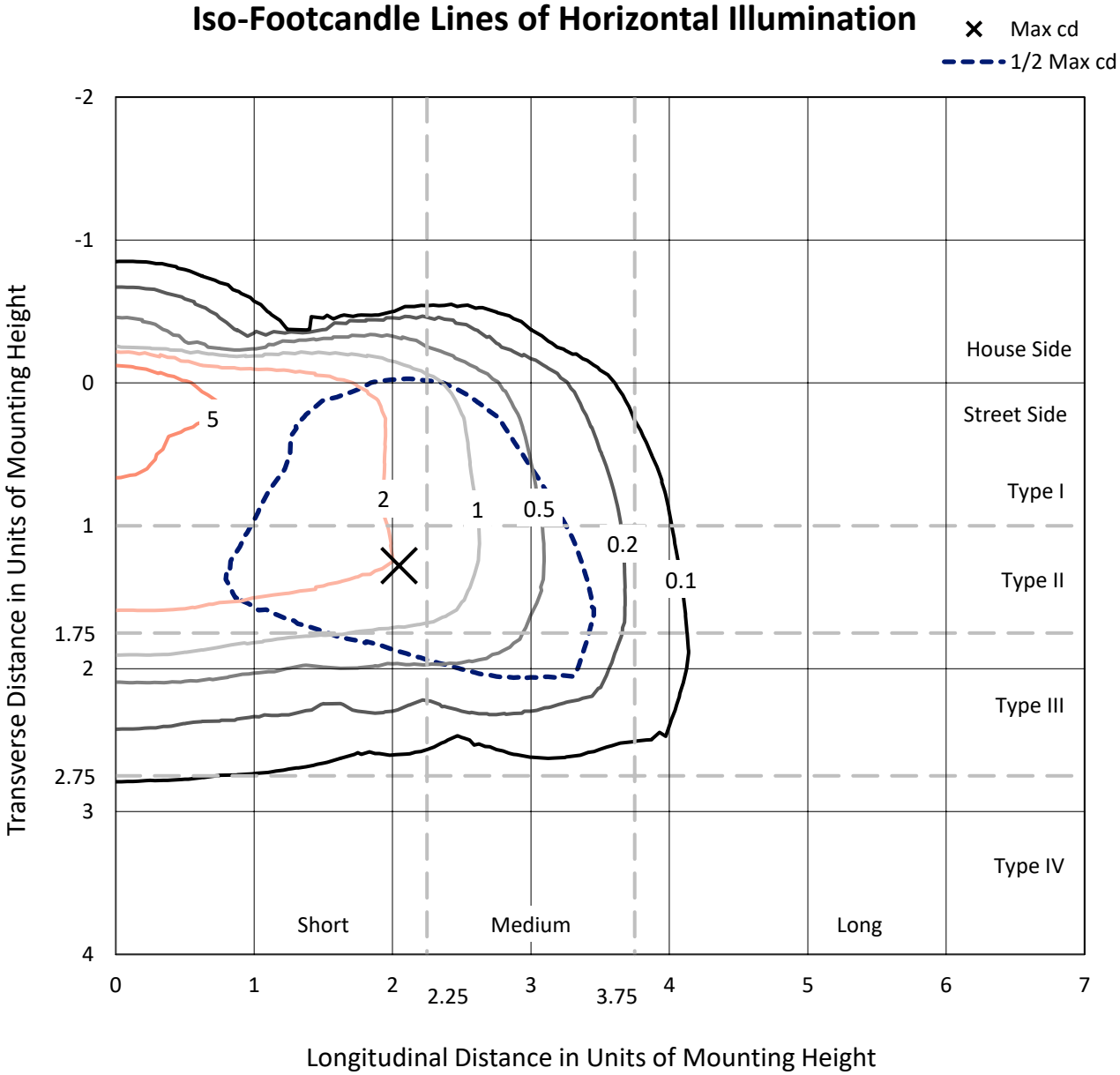
Scaled Data Report

REPORT NUMBER: P641940
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 9.8 fc
Type III - Short - N/A

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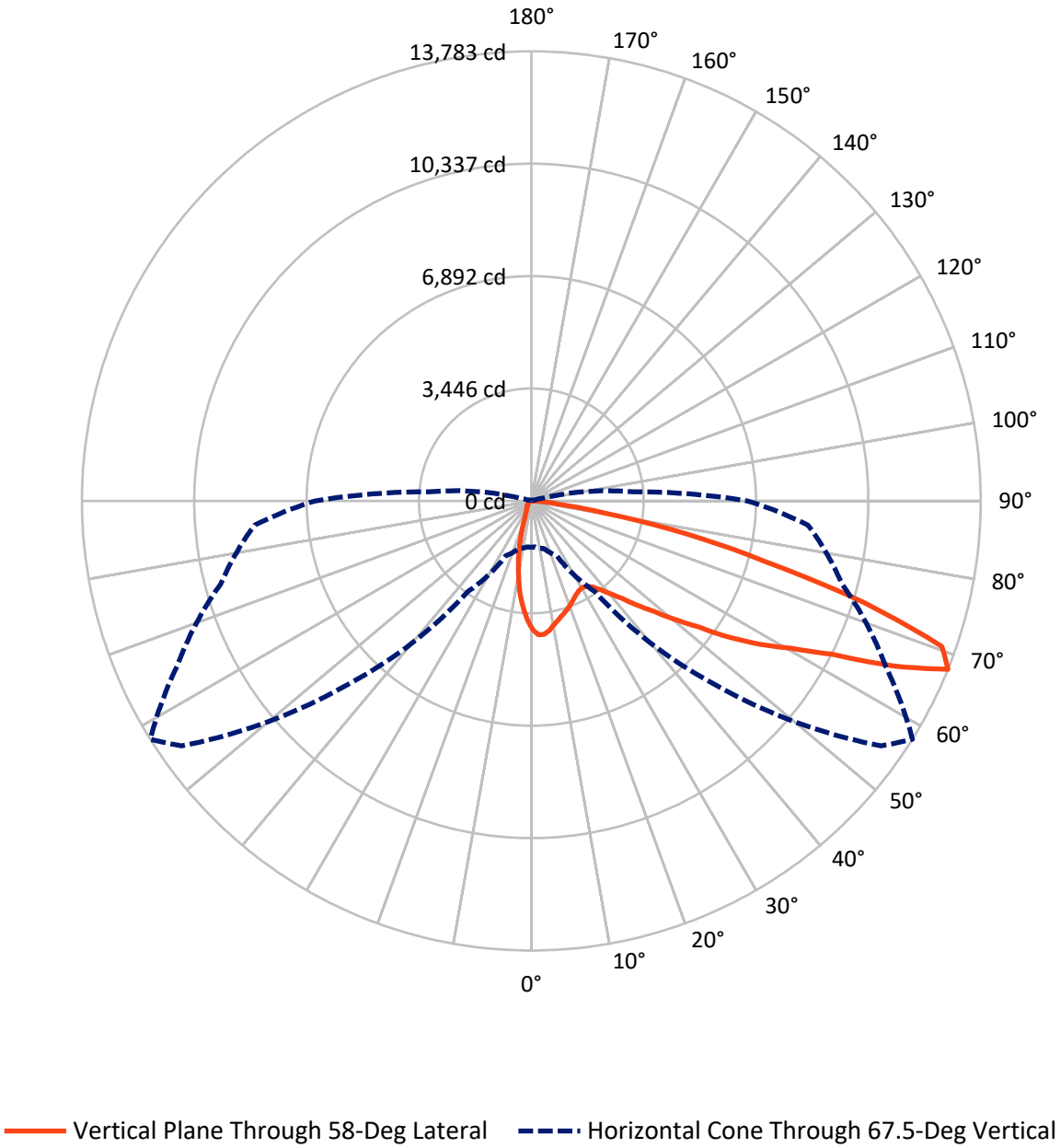
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

Luminous Intensity Polar Plot



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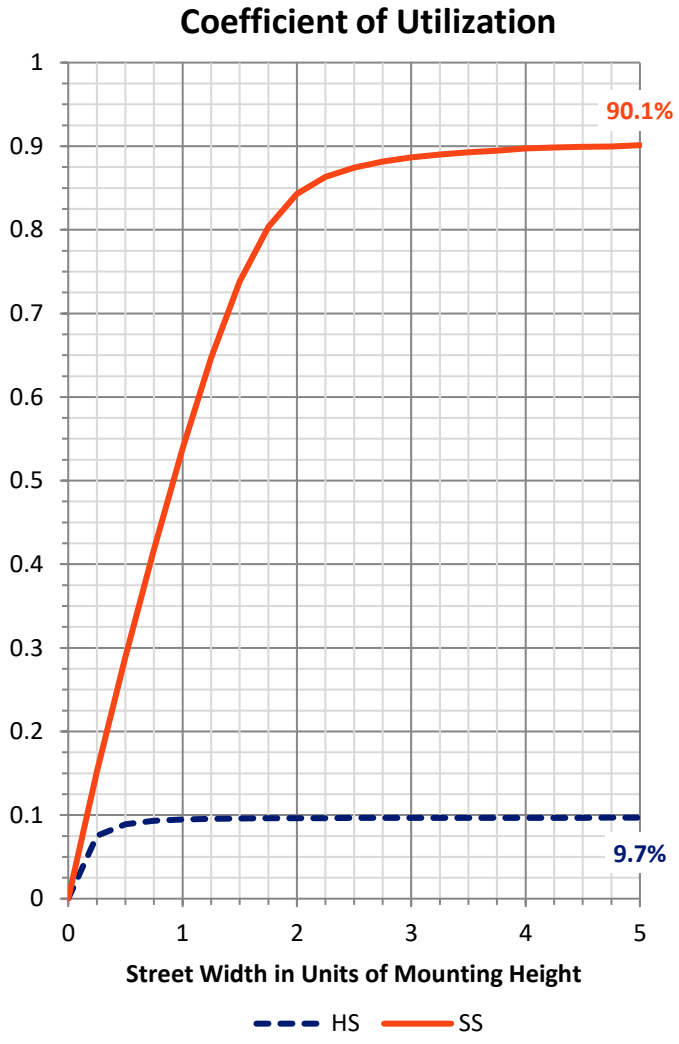
REPORT NUMBER: P641940
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1330.8	0.0	1330.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12291.5	0.0	12291.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	13622.3	0.0	13622.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.3	2.3
10°-20°	664.7	4.9
20°-30°	896.3	6.6
30°-40°	1259.5	9.2
40°-50°	1945.2	14.3
50°-60°	3110.7	22.8
60°-70°	3683.3	27.0
70°-80°	1629.4	12.0
80°-90°	113.9	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°	13622.3	100.0
0°-180°	13622.3	100.0



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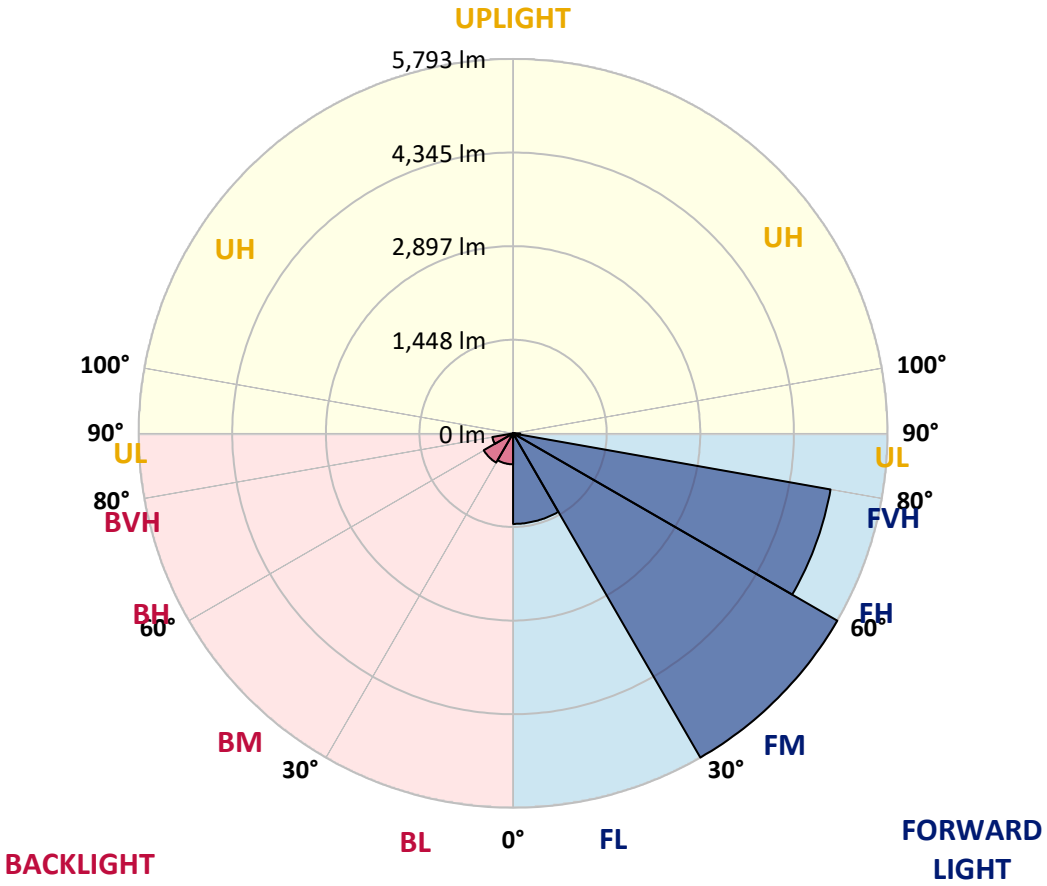
REPORT NUMBER: P641940
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1401.4	10.3			
FM	(30°-60°)	5793.3	42.5			
FH	(60°-80°)	4987.8	36.6			G2/5000
FVH	(80°-90°)	109.1	0.8			G2/225
BL	(0°-30°)	478.9	3.5	B1/500		
BM	(30°-60°)	522.2	3.8	B1/1000		
BH	(60°-80°)	324.9	2.4	B1/500		G1/500
BVH	(80°-90°)	4.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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REPORT NUMBER: P641940
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3
2.5°	4133.1	4140.3	4150.0	4162.0	4159.6	4148.7	4135.5	4105.3	4086.0	4025.8	3952.2
5°	4000.4	3999.2	4023.4	4046.3	4087.3	4109.0	4139.1	4111.4	4101.7	4029.4	3910.0
7.5°	3741.2	3754.5	3782.2	3818.4	3877.5	3941.4	4013.7	4005.3	4034.2	3986.0	3837.7
10°	3486.8	3479.6	3523.0	3577.3	3667.7	3749.7	3854.6	3853.4	3929.3	3924.5	3755.7
12.5°	3263.8	3262.6	3296.3	3357.8	3463.9	3578.5	3720.7	3724.3	3818.4	3857.0	3685.8
15°	3075.7	3078.1	3110.7	3174.6	3284.3	3424.1	3589.3	3619.5	3725.6	3803.9	3617.0
17.5°	2941.9	2943.1	2962.4	3017.8	3125.1	3274.6	3473.6	3514.6	3650.8	3764.1	3561.6
20°	2880.4	2875.5	2879.2	2906.9	2990.1	3126.3	3355.4	3408.5	3582.1	3736.4	3510.9
22.5°	2888.8	2881.6	2864.7	2861.1	2898.5	3002.1	3230.0	3295.1	3507.3	3719.5	3465.1
25°	2963.6	2947.9	2923.8	2887.6	2873.1	2925.0	3120.3	3187.8	3437.4	3720.7	3430.2
27.5°	3078.1	3061.2	3031.1	2982.9	2926.2	2904.5	3045.5	3109.4	3388.0	3748.5	3413.3
30°	3224.0	3210.7	3181.8	3123.9	3048.0	2958.7	3029.9	3082.9	3363.8	3805.1	3420.5
32.5°	3396.4	3386.8	3362.6	3309.6	3222.8	3086.5	3082.9	3123.9	3383.1	3887.1	3448.2
35°	3562.8	3566.4	3567.6	3538.7	3445.8	3280.7	3228.8	3243.3	3462.7	4010.1	3510.9
37.5°	3742.4	3734.0	3777.4	3797.9	3708.7	3532.6	3454.3	3455.5	3614.6	4192.1	3629.1
40°	3878.7	3881.1	3975.1	4059.5	4022.1	3852.1	3740.0	3738.8	3848.5	4441.7	3819.6
42.5°	4006.5	4022.1	4160.8	4305.5	4357.3	4206.6	4125.8	4095.7	4176.5	4779.3	4105.3
45°	4142.7	4165.6	4359.7	4565.9	4702.2	4612.9	4549.0	4561.1	4570.7	5172.4	4490.0
47.5°	4301.9	4316.3	4556.3	4846.8	5101.2	5078.3	5081.9	5067.5	5062.6	5667.9	4998.7
50°	4494.8	4528.5	4804.6	5151.9	5499.1	5651.0	5701.7	5707.7	5629.3	6208.0	5525.6
52.5°	4904.7	4945.7	5182.0	5485.8	5933.2	6252.7	6458.8	6417.8	6297.3	6731.3	6103.2
55°	5388.2	5419.5	5647.4	5962.1	6463.6	6912.2	7401.7	7384.8	7089.4	7282.3	6578.2
57.5°	5434.0	5469.0	5822.2	6304.5	7144.9	7727.2	8242.0	8296.3	7863.4	7672.9	7002.6
60°	4919.2	4990.3	5472.6	6121.2	7405.3	8823.2	9163.2	9174.0	8431.3	8069.6	7521.0
62.5°	3942.6	3976.3	4462.2	5308.6	7003.8	9462.2	10570.2	10341.1	9160.8	8683.3	8342.1
65°	2066.5	2204.0	2627.2	3564.0	5680.0	9239.1	12263.0	12200.3	10472.5	9562.2	8981.1
67.5°	1417.9	1416.7	1516.7	1858.0	3386.8	7955.1	13093.7	13783.3	11989.3	9863.7	8518.1
70°	1079.1	1082.7	1171.9	1393.8	1754.3	5295.3	12182.2	13361.3	12271.4	8955.8	6889.3
72.5°	716.2	723.4	871.7	1126.1	1401.0	2595.8	9467.0	10690.8	10325.4	7193.1	4849.2
75°	428.0	434.0	540.1	818.7	1245.5	1452.8	6015.1	7390.8	7107.5	4957.8	2599.4
77.5°	176.0	180.9	277.3	510.0	911.5	1128.5	3326.5	4836.0	4257.3	1971.3	710.1
80°	73.5	76.0	133.8	356.9	657.1	707.7	1540.9	2272.7	1744.6	424.4	217.0
82.5°	26.5	27.7	49.4	196.5	408.7	532.9	777.7	898.2	491.9	138.7	117.0
85°	1.2	1.2	12.1	66.3	155.5	150.7	444.9	430.4	162.8	57.9	69.9
87.5°	0.0	0.0	1.2	1.2	2.4	6.0	42.2	74.8	35.0	14.5	30.1
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: P641940
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3
2.5°	3904.0	3840.1	3770.2	3705.1	3601.4	3539.9	3463.9	3430.2	3381.9	3369.9	3377.1
5°	3824.4	3714.7	3547.1	3395.2	3198.7	3040.7	2881.6	2814.1	2727.2	2669.4	2645.3
7.5°	3712.3	3568.8	3307.2	3031.1	2761.0	2472.8	2253.4	2108.7	1977.3	1905.0	1890.5
10°	3599.0	3412.1	3037.1	2641.6	2223.3	1878.4	1581.9	1362.4	1184.0	1103.2	1040.5
12.5°	3482.0	3249.3	2762.2	2246.2	1760.3	1290.1	923.6	710.1	582.3	531.7	540.1
15°	3374.7	3092.6	2489.7	1850.7	1239.4	778.9	510.0	430.4	400.3	390.6	389.4
17.5°	3272.2	2944.3	2218.5	1466.1	817.5	477.4	390.6	371.3	362.9	358.1	358.1
20°	3179.4	2802.0	1953.2	1104.4	528.1	378.6	353.3	343.6	336.4	332.8	332.8
22.5°	3092.6	2664.6	1694.0	781.3	389.4	340.0	324.3	314.7	306.2	301.4	301.4
25°	3014.2	2540.4	1446.8	537.7	335.2	311.1	294.2	283.3	268.9	260.4	260.4
27.5°	2957.5	2429.4	1209.3	391.8	302.6	279.7	260.4	246.0	230.3	220.6	218.2
30°	2923.8	2335.4	969.4	321.9	272.5	249.6	227.9	209.8	191.7	182.1	180.9
32.5°	2904.5	2248.6	749.9	280.9	247.2	220.6	196.5	177.2	159.1	148.3	147.1
35°	2911.7	2181.1	561.8	253.2	223.1	195.3	168.8	149.5	133.8	124.2	121.8
37.5°	2974.4	2150.9	422.0	231.5	202.6	173.6	145.9	127.8	113.3	106.1	104.9
40°	3096.2	2157.0	331.6	214.6	185.7	151.9	125.4	108.5	97.7	91.6	90.4
42.5°	3285.5	2207.6	273.7	200.1	167.6	132.6	108.5	95.2	84.4	78.4	77.2
45°	3567.6	2312.5	238.7	183.3	148.3	114.5	94.0	82.0	72.3	65.1	63.9
47.5°	3976.3	2494.6	215.8	167.6	131.4	98.9	80.8	68.7	60.3	54.3	53.0
50°	4411.6	2712.8	196.5	151.9	117.0	85.6	68.7	56.7	49.4	43.4	42.2
52.5°	4875.8	2947.9	182.1	137.4	103.7	73.5	57.9	47.0	39.8	33.8	32.6
55°	5321.9	3184.2	165.2	127.8	88.0	62.7	48.2	38.6	31.3	26.5	26.5
57.5°	5755.9	3401.2	147.1	112.1	72.3	53.0	39.8	31.3	25.3	21.7	20.5
60°	6274.4	3701.4	126.6	95.2	60.3	44.6	32.6	25.3	20.5	16.9	16.9
62.5°	7044.8	4013.7	108.5	79.6	50.6	37.4	26.5	20.5	16.9	14.5	13.3
65°	7296.8	3844.9	91.6	65.1	41.0	30.1	21.7	18.1	14.5	13.3	12.1
67.5°	*6624.0*	*3151.6*	*76.0*	*53.0*	*33.8*	*25.3*	*19.3*	*15.7*	*13.3*	*12.1*	*10.9*
70°	5168.7	2236.5	59.1	39.8	27.7	20.5	16.9	14.5	12.1	10.9	10.9
72.5°	3515.8	1322.6	47.0	30.1	22.9	18.1	14.5	13.3	12.1	10.9	9.6
75°	1731.4	470.2	36.2	22.9	18.1	15.7	13.3	12.1	10.9	9.6	9.6
77.5°	466.6	130.2	27.7	18.1	14.5	12.1	12.1	12.1	10.9	8.4	8.4
80°	157.9	54.3	20.5	13.3	12.1	9.6	8.4	10.9	9.6	8.4	7.2
82.5°	86.8	26.5	14.5	10.9	8.4	7.2	7.2	7.2	7.2	6.0	6.0
85°	55.5	14.5	9.6	8.4	8.4	6.0	4.8	4.8	3.6	3.6	3.6
87.5°	25.3	8.4	8.4	7.2	7.2	6.0	3.6	2.4	1.2	1.2	1.2
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

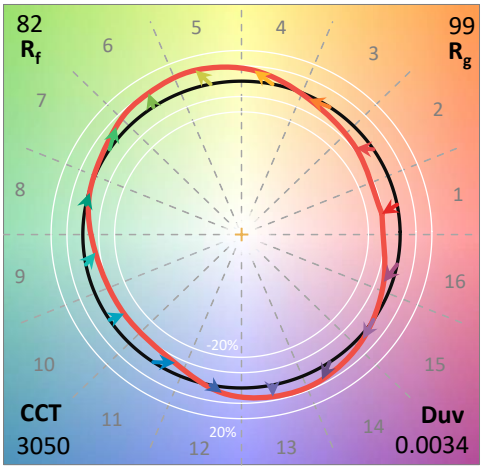
Test Information

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

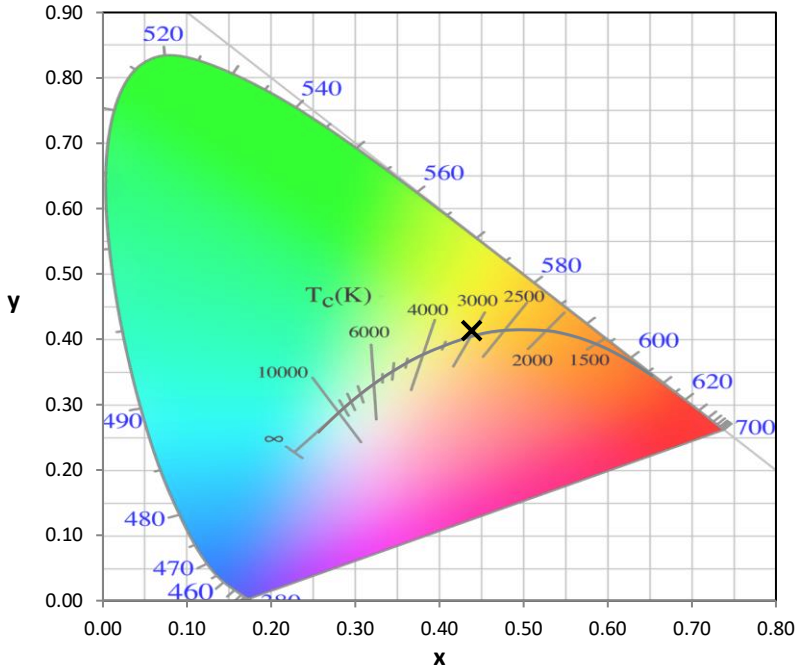
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

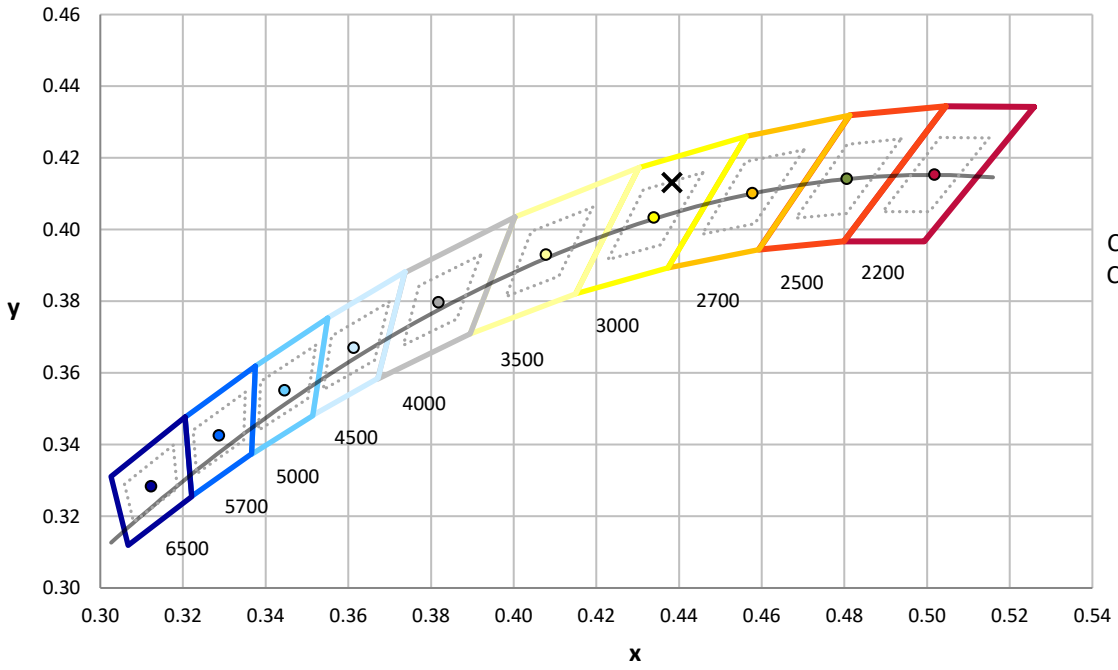
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

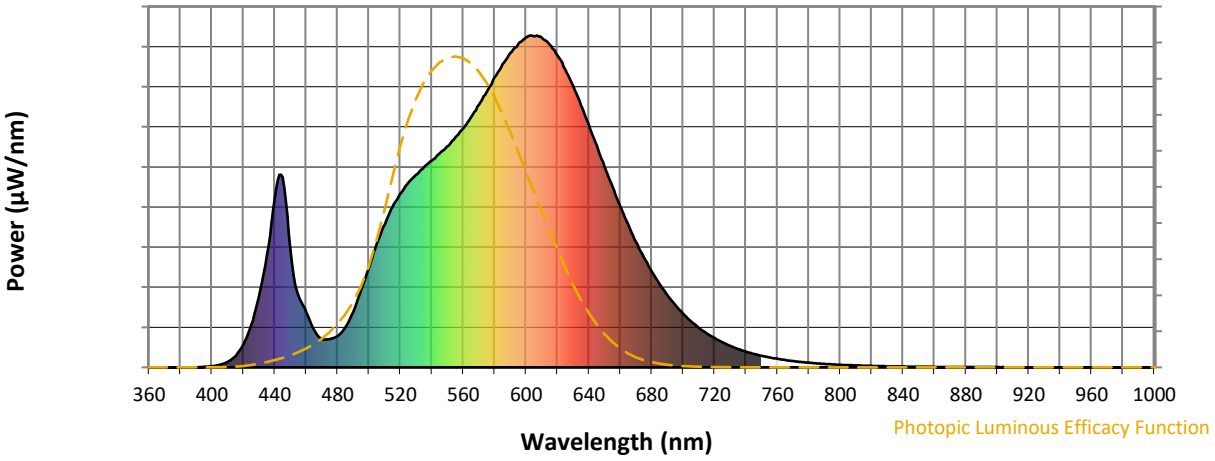


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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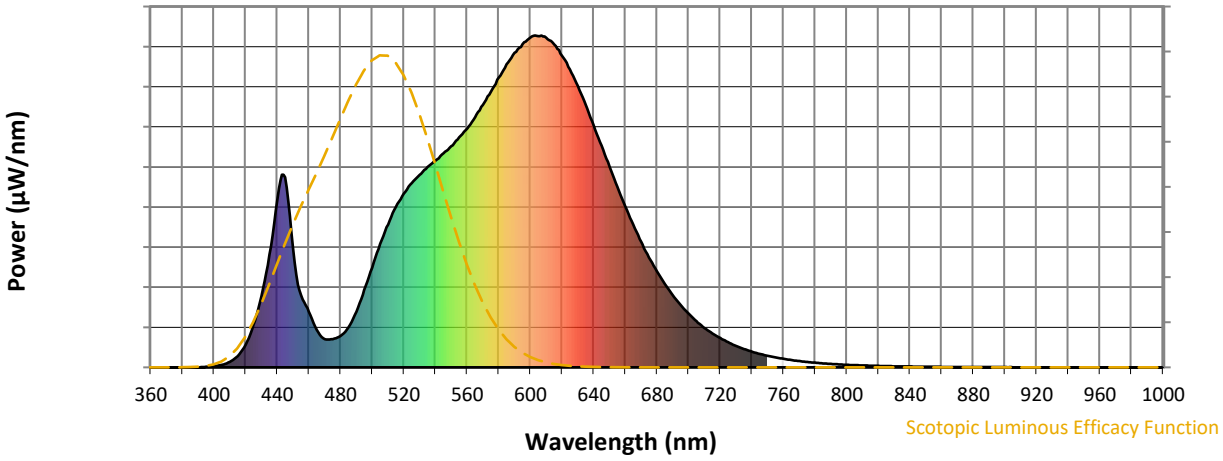
Scotopic Flux vs. Wavelength



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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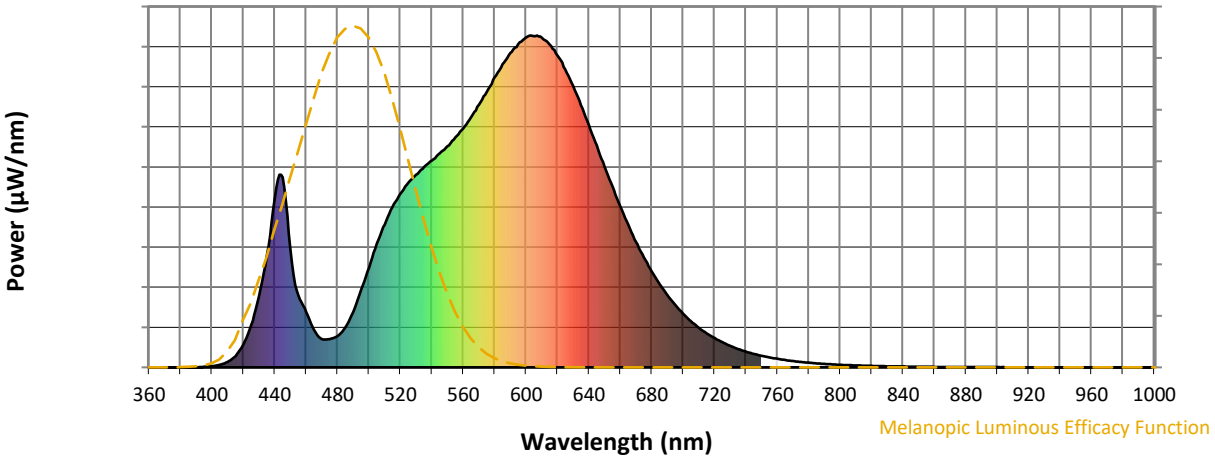
Melanopic Flux vs. Wavelength



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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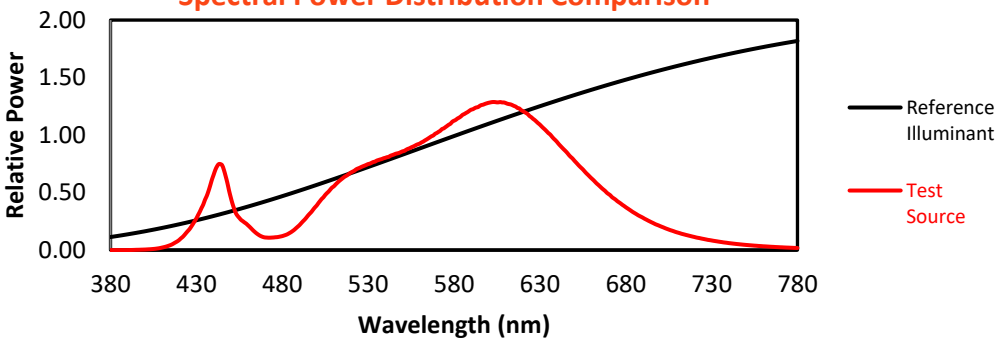
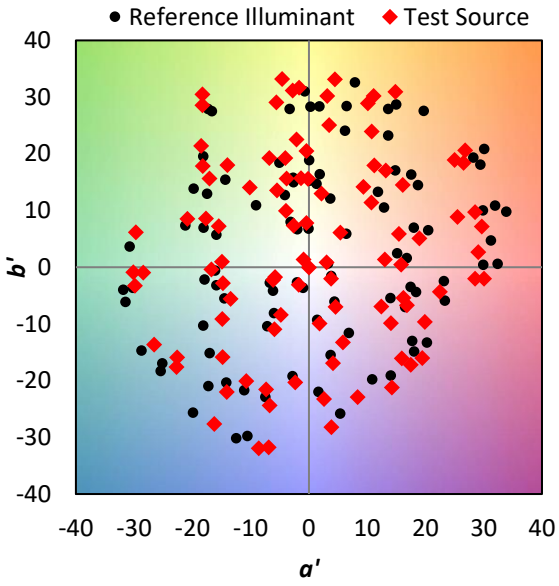
Summary

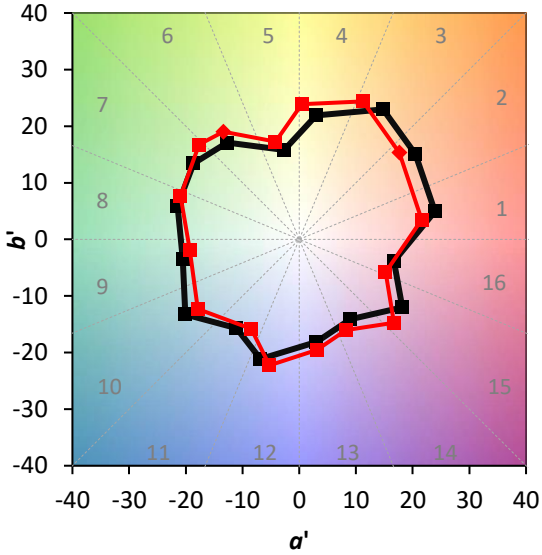
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

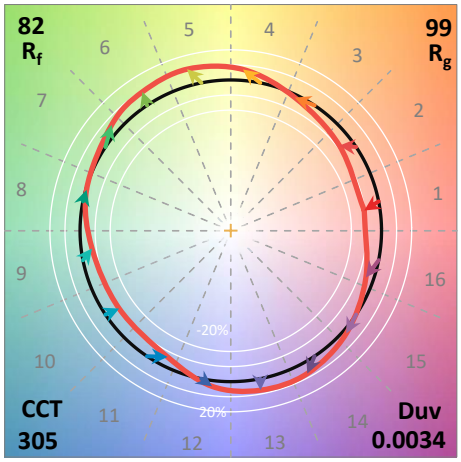
Spectral Power Distribution Comparison

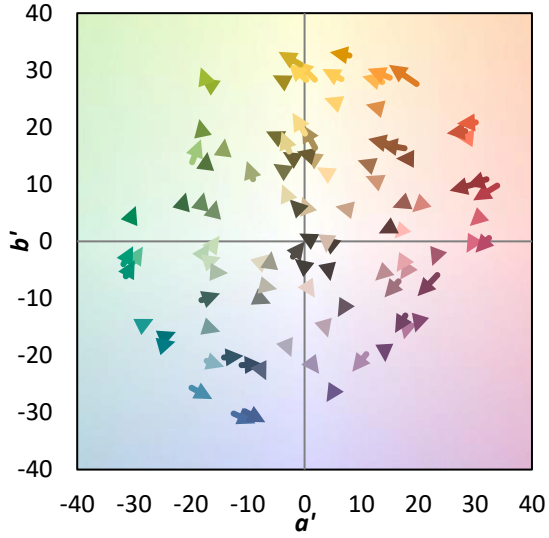


Color Vector Graphics









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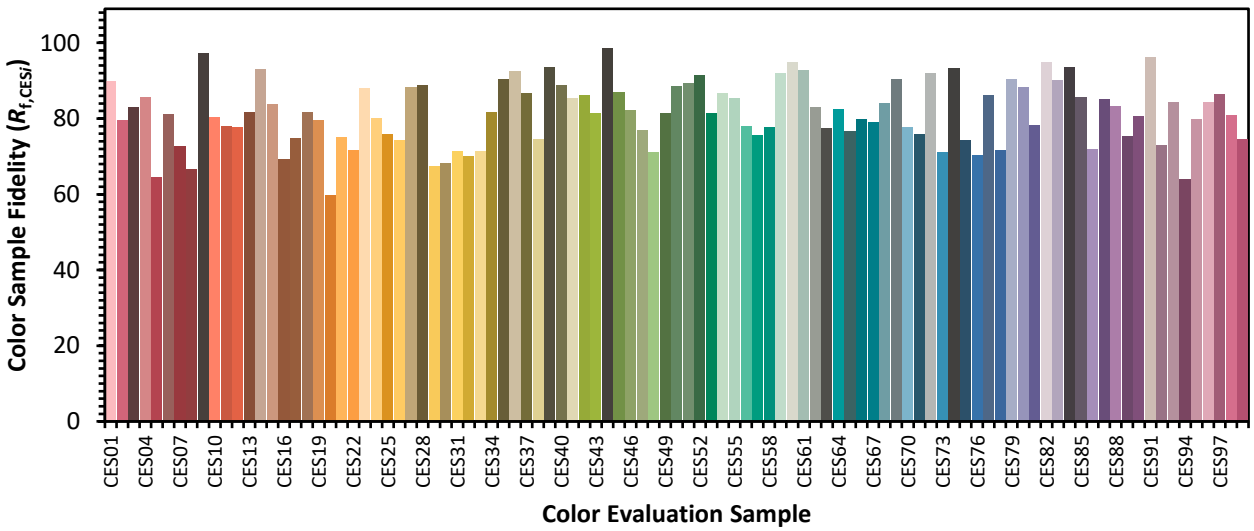
Individual Sample Fidelity Index ($R_{f,i}$)

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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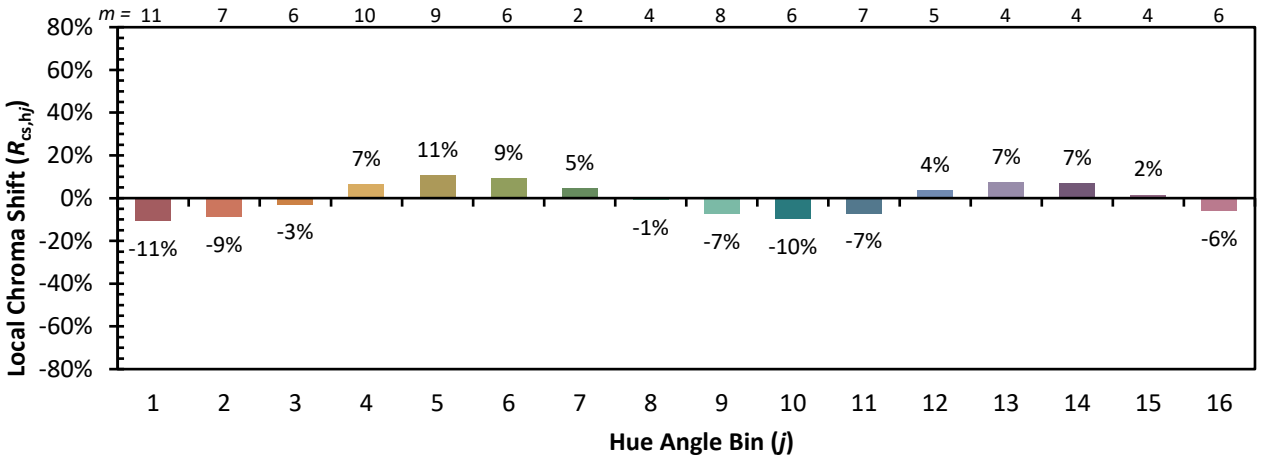
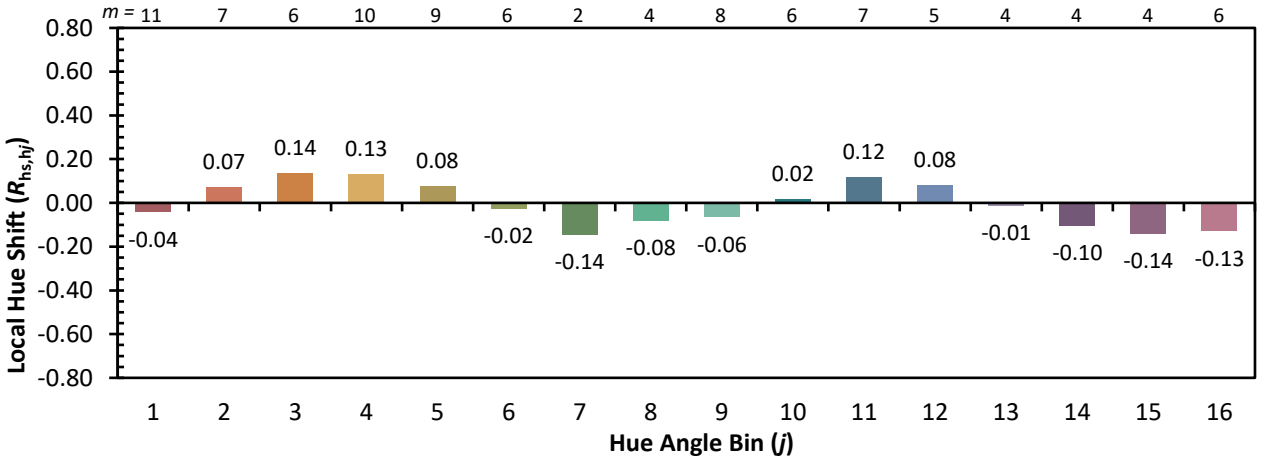
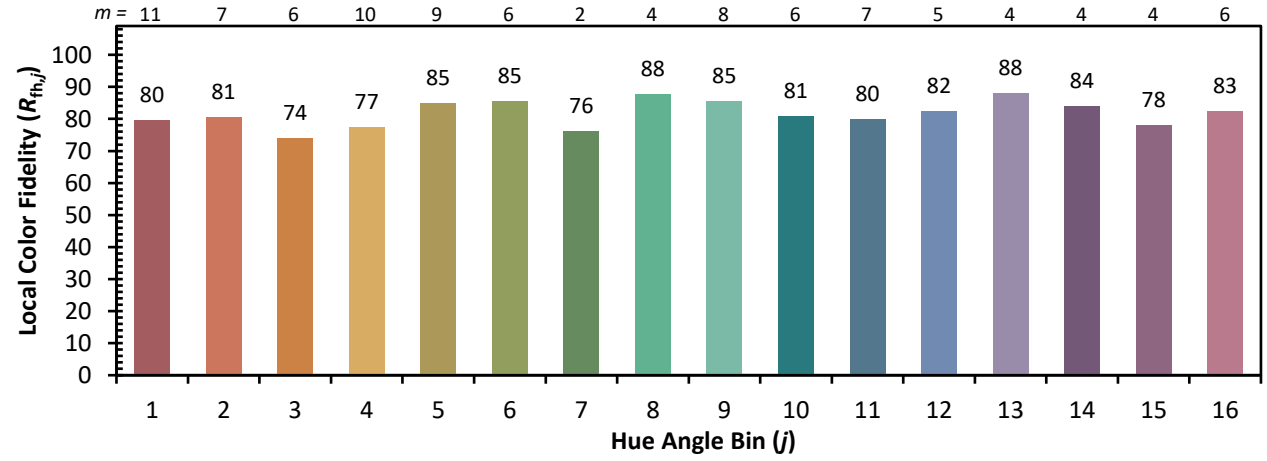
Color Rendition by Hue-Angle Bin







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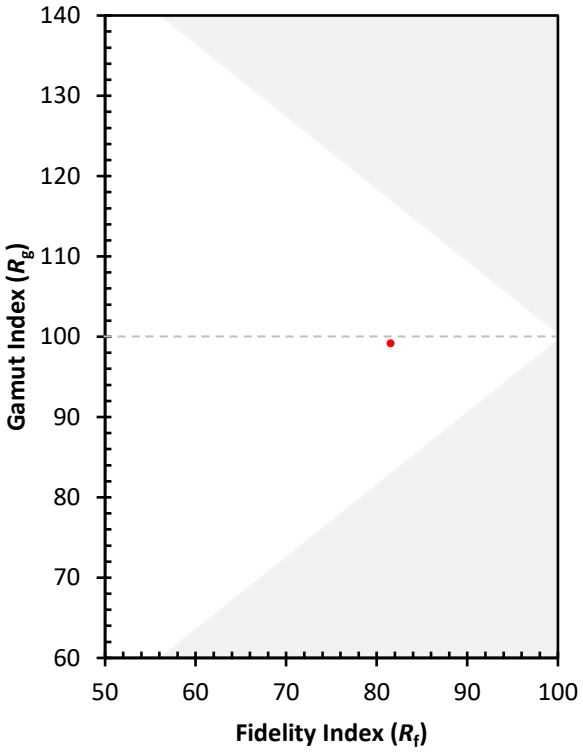
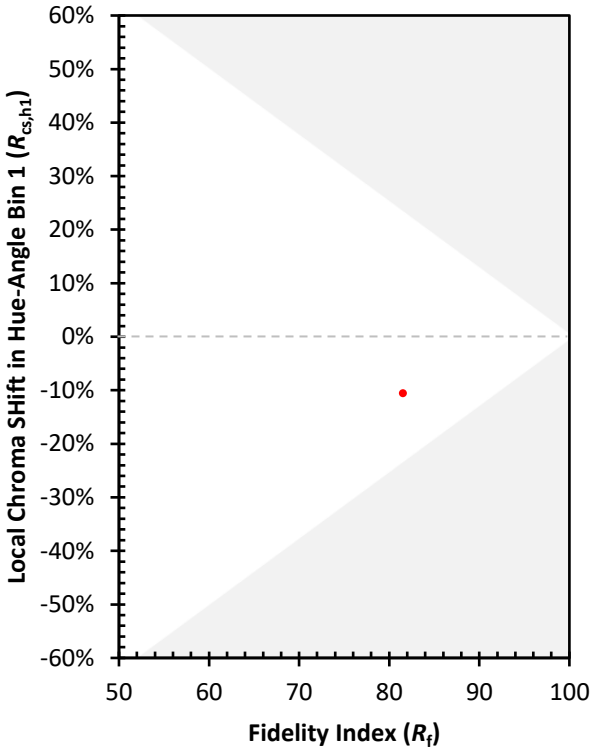
Measure Comparisons





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