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: P643919

Luminaire Tested: GWS-SA6F-830-U-SL3-W-GRSWH

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:	P643919
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-SL3-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	33110 lumens
Efficiency:	N/A
Efficacy:	88.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

Input Watts (W):	372.6
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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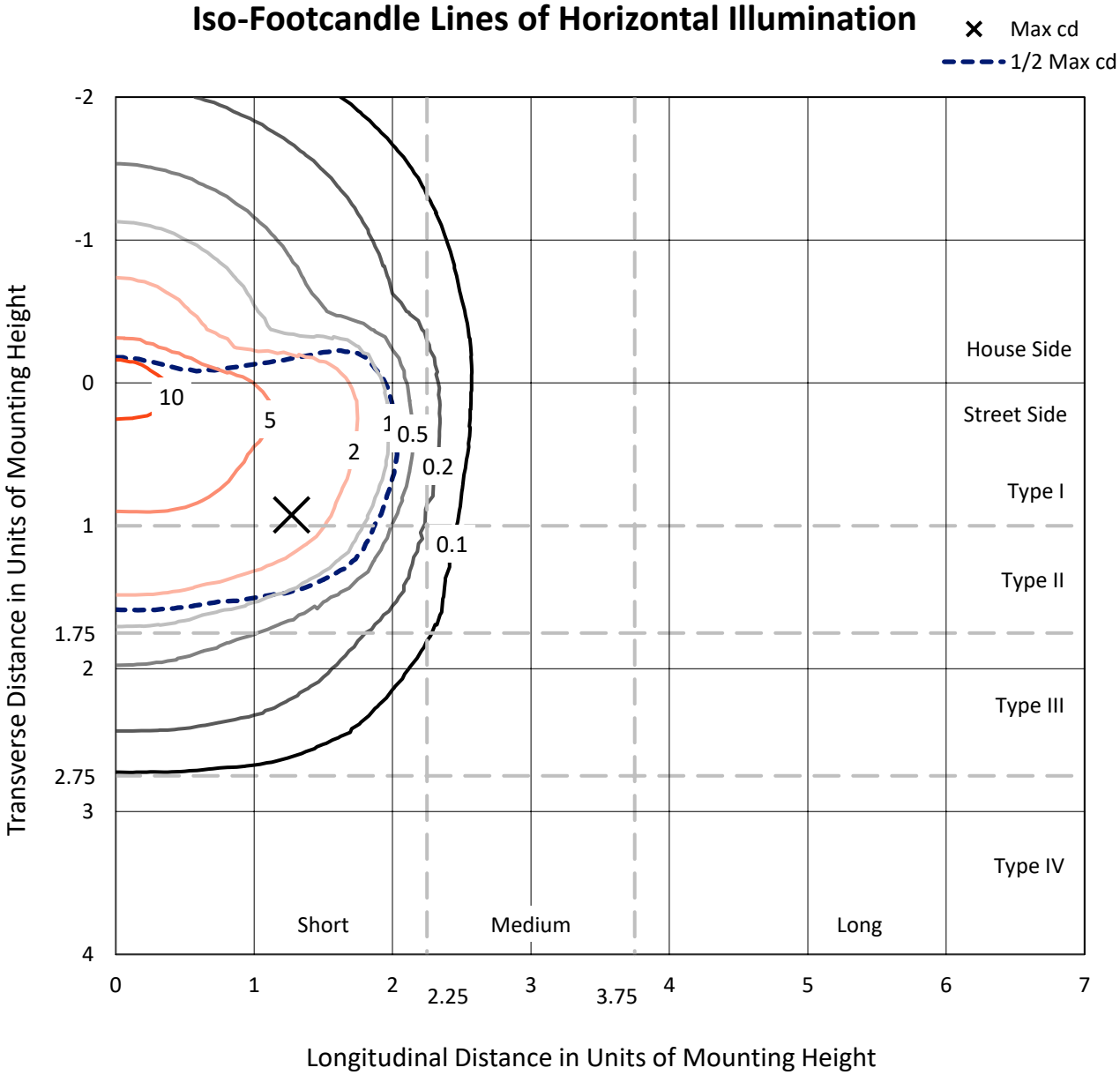
Scaled Data Report

REPORT NUMBER: P643919
CATALOG NUMBER: GWS-SA6F-830-U-SL3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 14.1 fc
Type II - Short - N/A

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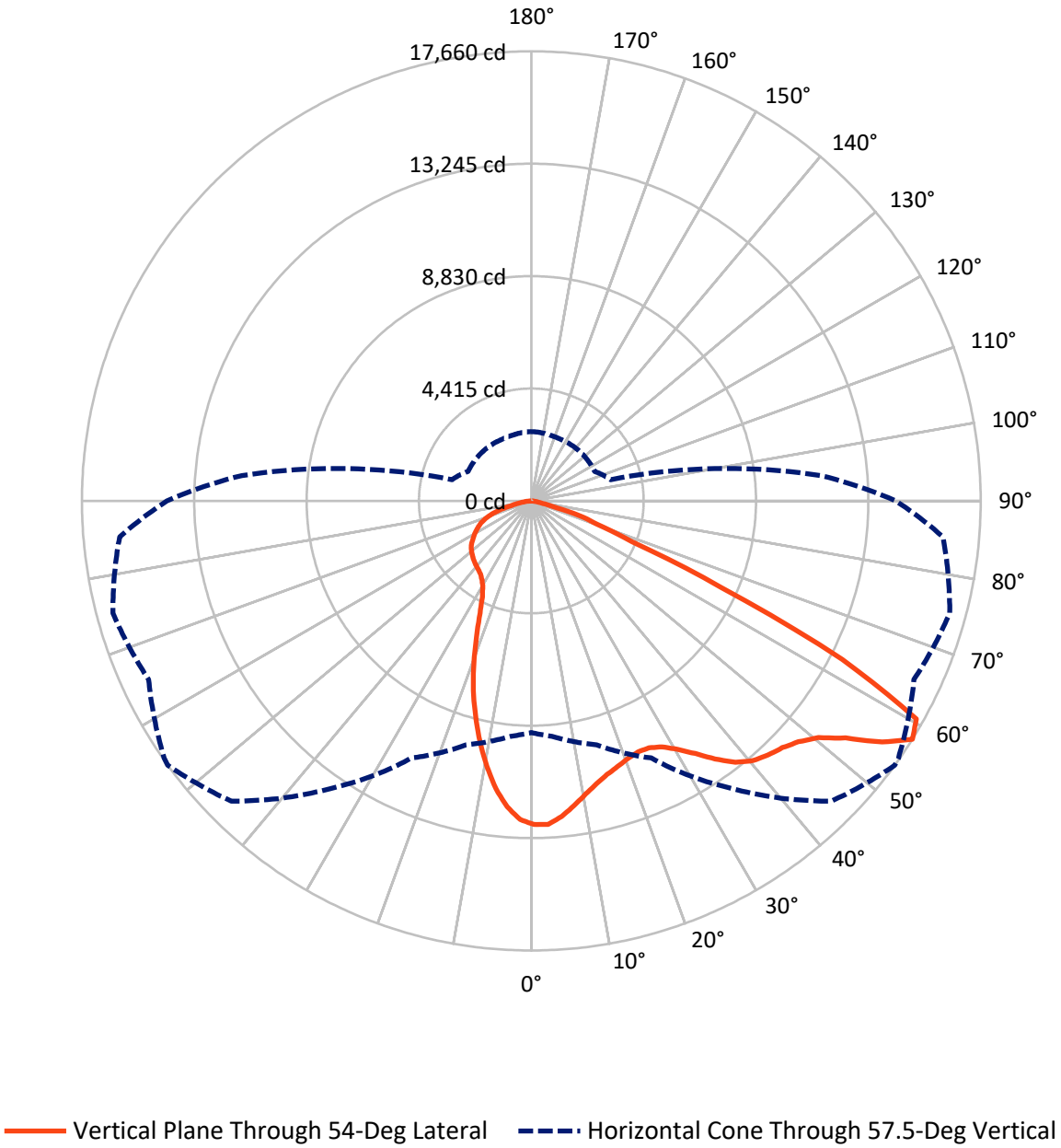
Luminous Intensity Polar Plot



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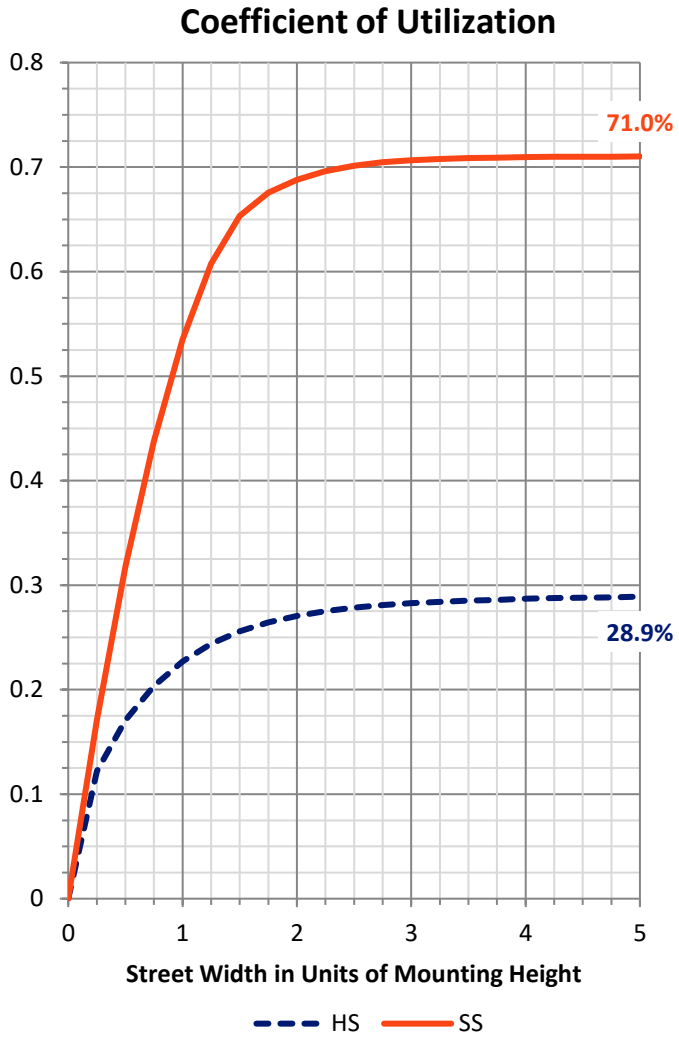
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9625.5	0.0	9625.5
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	23484.5	0.0	23484.5
	% Fixture	70.9	0.0	70.9
Total	Lumens	33110.0	0.0	33110.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1117.3	3.4
10°-20°	2666.1	8.1
20°-30°	3689.5	11.1
30°-40°	5126.6	15.5
40°-50°	6770.7	20.4
50°-60°	8045.9	24.3
60°-70°	4457.6	13.5
70°-80°	1110.0	3.4
80°-90°	126.2	0.4
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°	33110.0	100.0
0°-180°	33110.0	100.0



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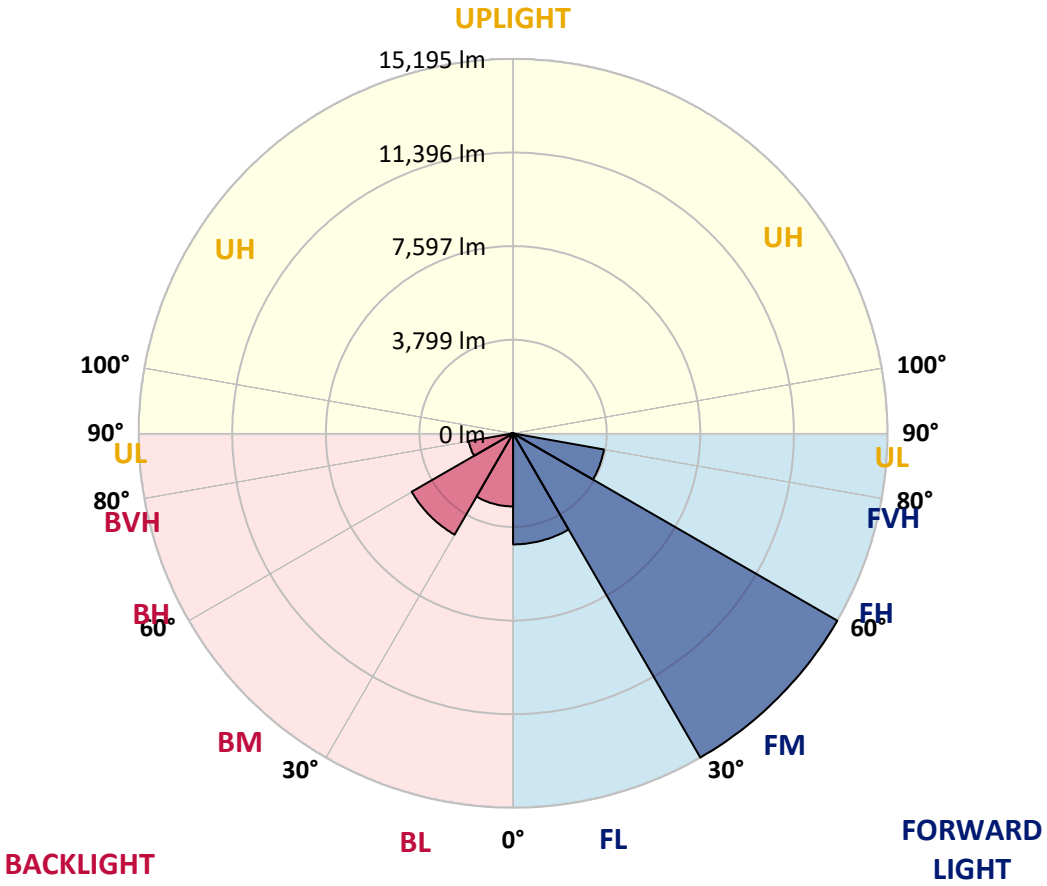
REPORT NUMBER: P643919
CATALOG NUMBER: GWS-SA6F-830-U-SL3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4506.8	13.6			
FM	(30°-60°)	15194.7	45.9			
FH	(60°-80°)	3743.5	11.3			G2/5000
FVH	(80°-90°)	39.5	0.1			G1/100
BL	(0°-30°)	2966.2	9.0	B4/5000		
BM	(30°-60°)	4748.5	14.3	B3/5000		
BH	(60°-80°)	1824.1	5.5	B3/2500		G3/2500
BVH	(80°-90°)	86.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
Type II Short



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Scaled Data Report

REPORT NUMBER: P643919
CATALOG NUMBER: GWS-SA6F-830-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7
2.5°	12473.6	12499.1	12516.1	12575.6	12626.7	12672.0	12720.2	12720.2	12717.3	12708.8	12691.8
5°	11980.4	12008.8	12048.5	12130.7	12241.2	12320.6	12450.9	12462.3	12519.0	12541.6	12530.3
7.5°	11407.9	11416.4	11467.4	11575.1	11750.9	11892.6	12079.6	12102.3	12238.4	12317.7	12303.5
10°	10781.5	10753.2	10843.9	11002.6	11232.2	11470.3	11711.2	11731.0	11949.3	12099.5	12088.1
12.5°	10209.0	10211.9	10302.6	10495.3	10781.5	11076.3	11399.4	11444.8	11714.0	11906.7	11886.9
15°	9730.0	9741.4	9851.9	10070.1	10396.1	10747.5	11150.0	11192.5	11532.6	11787.7	11731.0
17.5°	9347.4	9358.7	9455.1	9704.5	10053.1	10478.3	10968.6	11011.1	11433.4	11736.7	11620.5
20°	9083.8	9078.2	9171.7	9409.8	9769.7	10231.7	10809.9	10872.2	11402.3	11756.5	11546.8
22.5°	8976.1	8973.3	9041.3	9236.9	9574.1	10041.8	10713.5	10798.6	11436.3	11844.4	11501.4
25°	9030.0	9018.6	9078.2	9222.7	9492.0	9968.1	10741.9	10832.6	11580.8	12025.8	11510.0
27.5°	9197.2	9183.0	9234.0	9364.4	9568.5	10044.6	10940.3	11045.1	11886.9	12357.4	11623.3
30°	9452.3	9443.8	9494.8	9619.5	9798.1	10299.7	11320.1	11439.1	12360.2	12873.2	11869.9
32.5°	9749.9	9735.7	9826.4	9970.9	10177.8	10764.5	11830.2	11986.1	12921.4	13536.5	12283.7
35°	10084.3	10073.0	10197.7	10407.4	10705.0	11410.8	12448.1	12618.2	13493.9	14287.5	12833.6
37.5°	10410.3	10410.3	10651.2	10962.9	11337.1	12113.7	13029.1	13136.8	13890.7	14953.6	13423.1
40°	10699.4	10716.4	11079.1	11546.8	12023.0	12748.5	13411.7	13502.4	14066.5	15412.7	13936.1
42.5°	11019.6	11033.8	11456.1	12068.3	12635.2	13261.5	13644.2	13689.5	14100.5	15642.3	14298.9
45°	11274.7	11294.5	11818.9	12473.6	13168.0	13647.0	13828.4	13868.1	14148.7	15767.0	14562.5
47.5°	11407.9	11436.3	12037.1	12799.5	13527.9	13992.8	14131.6	14148.7	14347.1	15985.3	14879.9
50°	11385.2	11441.9	12119.3	12961.1	13794.4	14341.4	14619.1	14647.5	14752.4	16305.5	15251.2
52.5°	11586.5	11612.0	12295.0	13153.8	14174.2	14984.8	15466.6	15506.3	15458.1	16546.4	15472.3
55°	11252.0	11373.9	12076.8	13125.5	14752.4	15979.6	16722.2	16702.3	16098.6	16815.7	15840.7
57.5°	9100.8	9279.4	9922.8	11141.5	13800.0	16676.8	17660.3	17612.1	16594.6	17022.6	16240.3
60°	6300.6	6328.9	6909.9	7774.4	10651.2	14732.5	17385.4	17490.3	16685.3	16761.8	15500.6
62.5°	5039.3	5030.8	5084.7	5107.3	6773.9	10356.4	13723.5	14106.1	13862.4	13060.3	10985.6
65°	4302.4	4333.6	4492.3	4410.1	4421.5	5832.9	8199.5	8253.4	8083.3	7794.2	5810.2
67.5°	3367.1	3421.0	3701.6	4021.8	3919.8	3755.4	4254.2	4228.7	3333.1	2579.2	2131.4
70°	2108.7	2142.7	2443.1	3157.4	3412.5	3083.7	2735.1	2723.7	1785.6	1468.1	1609.9
72.5°	1230.1	1235.7	1320.8	1760.1	2264.6	2108.7	2012.3	1938.6	1147.9	1170.6	1283.9
75°	677.4	677.4	674.6	759.6	892.8	790.8	765.3	745.4	768.1	870.1	955.1
77.5°	141.7	144.5	153.1	201.2	260.8	317.4	399.6	402.5	501.7	581.0	649.0
80°	65.2	68.0	85.0	107.7	138.9	184.2	243.7	246.6	303.3	365.6	411.0
82.5°	34.0	36.8	45.3	56.7	73.7	96.4	136.0	136.0	181.4	215.4	243.7
85°	11.3	11.3	17.0	22.7	31.2	39.7	53.9	53.9	79.4	104.9	121.9
87.5°	0.0	0.0	0.0	0.0	2.8	5.7	11.3	11.3	14.2	17.0	28.3
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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CATALOG NUMBER: GWS-SA6F-830-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7	12711.7
2.5°	12655.0	12567.1	12570.0	12587.0	12533.1	12450.9	12397.1	12329.1	12286.5	12278.0	12309.2
5°	12473.6	12371.6	12300.7	12227.0	12074.0	11892.6	11750.9	11634.7	11558.1	11529.8	11495.8
7.5°	12224.2	12091.0	11912.4	11705.5	11427.8	11104.7	10877.9	10665.3	10518.0	10475.4	10455.6
10°	11974.8	11782.0	11464.6	11079.1	10617.2	10180.7	9769.7	9455.1	9205.7	9064.0	9109.3
12.5°	11716.9	11478.8	10982.8	10390.4	9747.0	9089.5	8551.0	8029.5	7627.0	7425.8	7366.3
15°	11490.1	11167.0	10475.4	9673.3	8817.4	7989.8	7210.4	6428.1	5917.9	5640.2	5563.7
17.5°	11297.4	10877.9	9939.8	8942.1	7918.9	6739.9	5781.9	5056.3	4707.7	4554.7	4543.3
20°	11107.5	10594.5	9409.8	8154.2	6881.6	5560.8	4704.9	4364.8	4240.1	4186.2	4183.4
22.5°	10937.4	10296.9	8851.4	7366.3	5849.9	4673.7	4203.2	4055.8	4021.8	4021.8	4016.2
25°	10792.9	9999.3	8278.9	6530.1	4917.5	4160.7	3942.5	3880.1	3894.3	3919.8	3922.6
27.5°	10733.4	9766.9	7726.2	5671.4	4274.1	3863.1	3763.9	3755.4	3795.1	3834.8	3840.4
30°	10795.7	9608.2	7159.4	4849.4	3888.6	3681.7	3636.4	3653.4	3701.6	3741.2	3741.2
32.5°	10988.4	9528.8	6581.2	4248.6	3664.7	3554.2	3540.0	3557.0	3593.8	3616.5	3619.4
35°	11314.4	9560.0	5983.1	3843.3	3520.2	3460.6	3457.8	3469.1	3483.3	3497.5	3500.3
37.5°	11725.4	9698.9	5342.6	3608.0	3426.6	3392.6	3386.9	3384.1	3386.9	3386.9	3389.8
40°	12127.8	9908.6	4770.1	3469.1	3361.4	3333.1	3318.9	3299.1	3296.3	3290.6	3287.7
42.5°	12425.4	10070.1	4313.8	3369.9	3301.9	3267.9	3250.9	3219.7	3216.9	3214.1	3211.2
45°	12649.3	10206.2	3934.0	3273.6	3239.6	3208.4	3171.5	3143.2	3148.9	3154.5	3154.5
47.5°	12901.6	10325.2	3656.2	3182.9	3163.0	3131.9	3086.5	3066.7	3086.5	3106.4	3106.4
50°	13207.7	10492.5	3429.5	3092.2	3083.7	3046.8	3007.2	2998.7	3021.3	3049.7	3049.7
52.5°	13431.6	10637.0	3267.9	3001.5	3001.5	2953.3	2919.3	2916.5	2942.0	2970.3	2973.1
55°	13851.1	10974.3	3211.2	2896.6	2885.3	2848.4	2822.9	2803.1	2834.3	2859.8	2859.8
57.5°	*14324.4*	*11422.1*	*3225.4*	*2746.4*	*2732.2*	*2720.9*	*2701.1*	*2678.4*	*2686.9*	*2715.2*	*2718.1*
60°	13321.0	10554.8	3069.5	2596.2	2587.7	2582.0	2556.5	2516.8	2528.2	2550.8	2553.7
62.5°	9304.9	7014.8	2482.8	2409.1	2437.5	2434.6	2400.6	2355.3	2358.1	2389.3	2389.3
65°	4829.6	3795.1	2179.6	2239.1	2281.6	2264.6	2207.9	2168.2	2162.5	2202.2	2193.7
67.5°	2083.2	2071.8	1984.0	2060.5	2105.9	2069.0	2009.5	1944.3	1950.0	1964.1	1952.8
70°	1677.9	1728.9	1765.7	1847.9	1884.8	1816.8	1751.6	1714.7	1683.6	1680.7	1660.9
72.5°	1340.6	1411.5	1493.7	1578.7	1590.0	1522.0	1439.8	1405.8	1357.6	1354.8	1334.9
75°	1009.0	1068.5	1133.7	1201.7	1201.7	1136.5	1082.7	1065.7	1009.0	992.0	975.0
77.5°	688.7	725.6	776.6	793.6	810.6	785.1	731.2	702.9	637.7	620.7	598.0
80°	433.6	459.2	490.3	501.7	518.7	487.5	445.0	413.8	368.5	354.3	342.9
82.5°	260.8	277.8	297.6	303.3	317.4	294.8	255.1	232.4	206.9	195.6	187.1
85°	133.2	141.7	153.1	155.9	153.1	130.4	116.2	104.9	87.9	85.0	79.4
87.5°	34.0	39.7	42.5	39.7	36.8	28.3	19.8	14.2	5.7	5.7	2.8
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

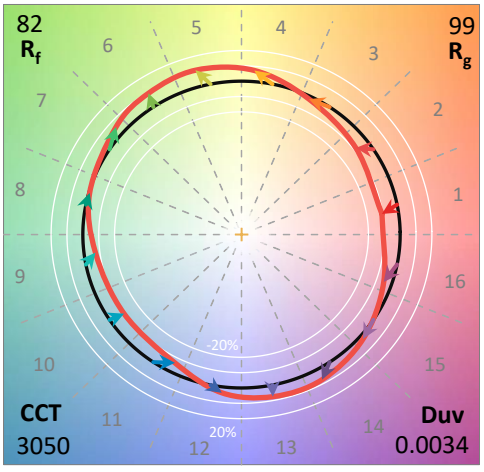
Test Information

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

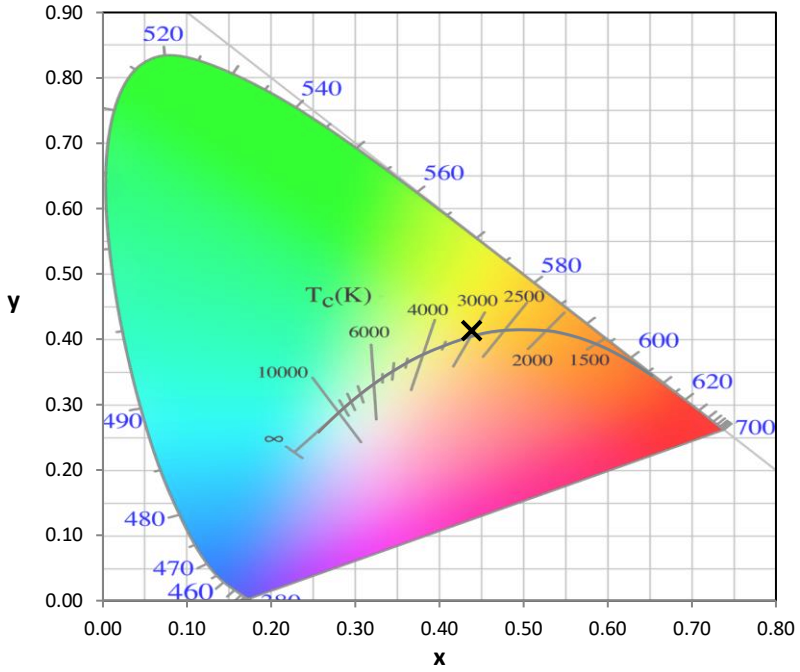
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

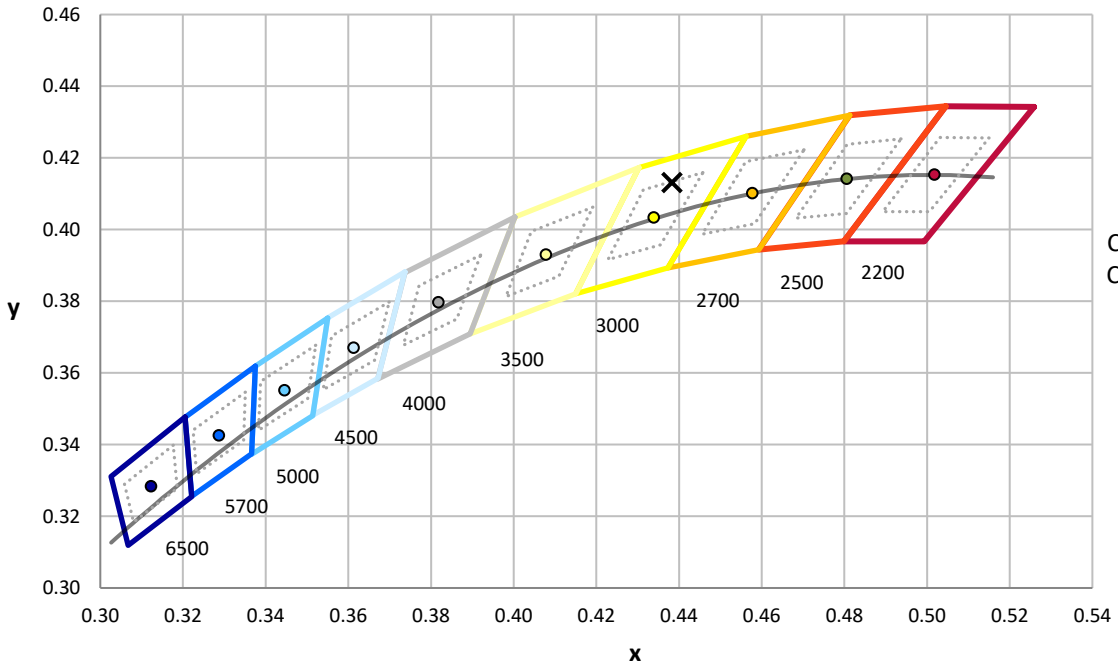
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

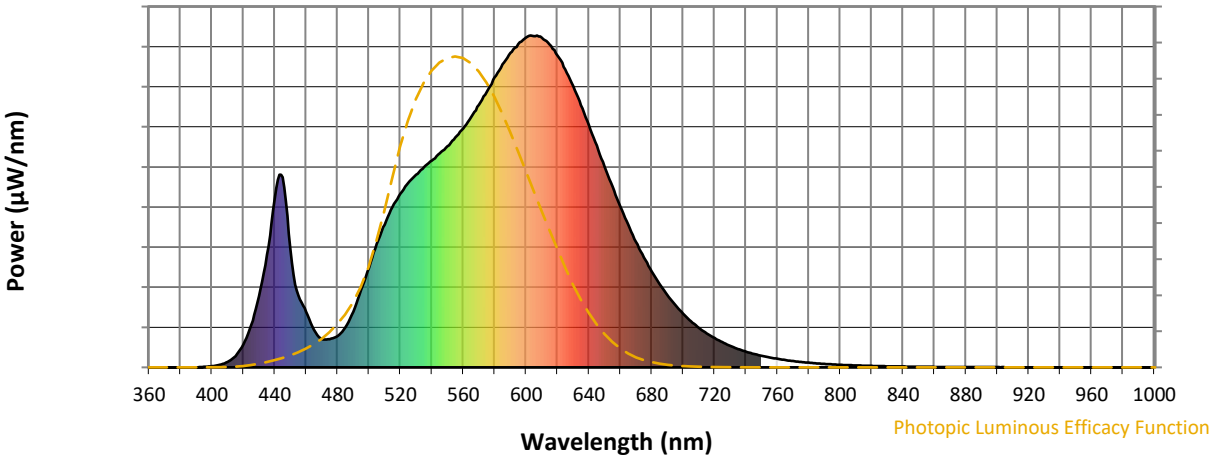


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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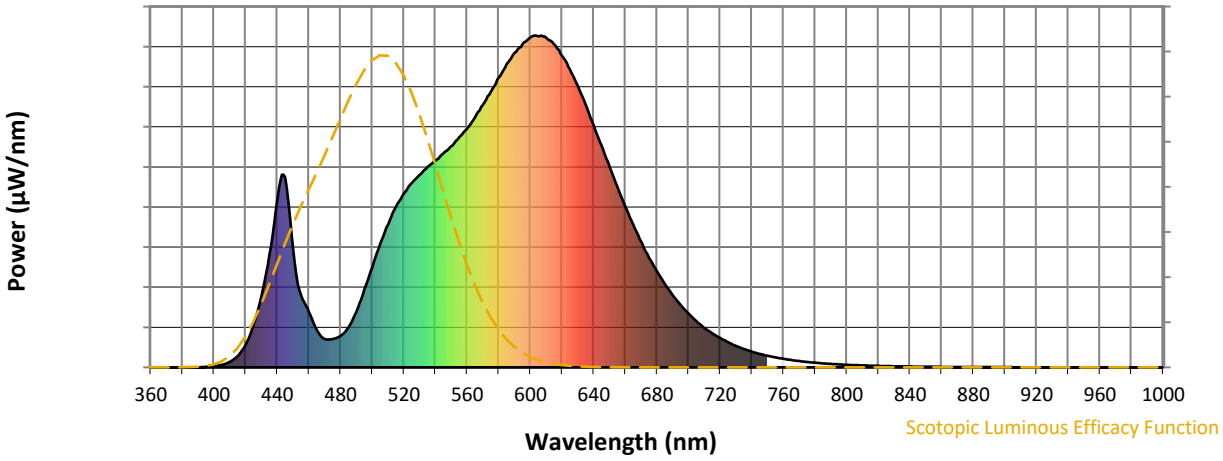
Scotopic Flux vs. Wavelength



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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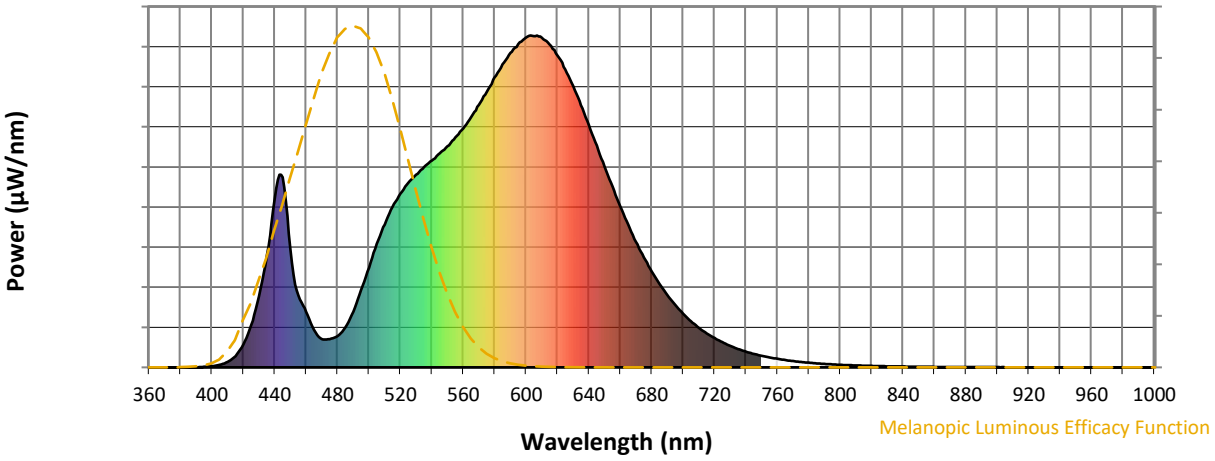
Melanopic Flux vs. Wavelength



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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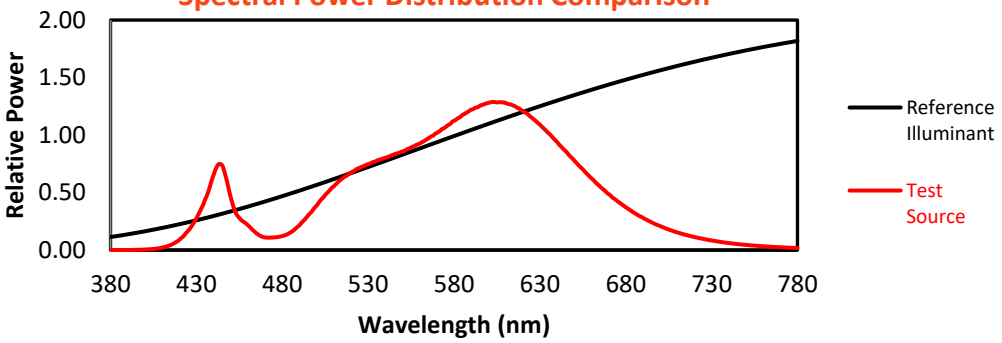
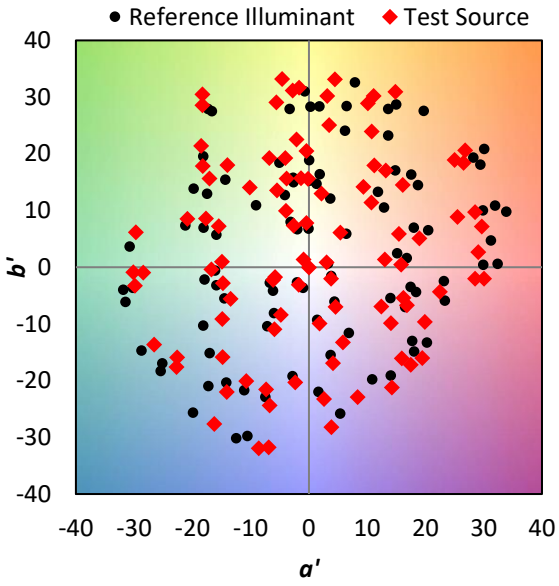
Summary

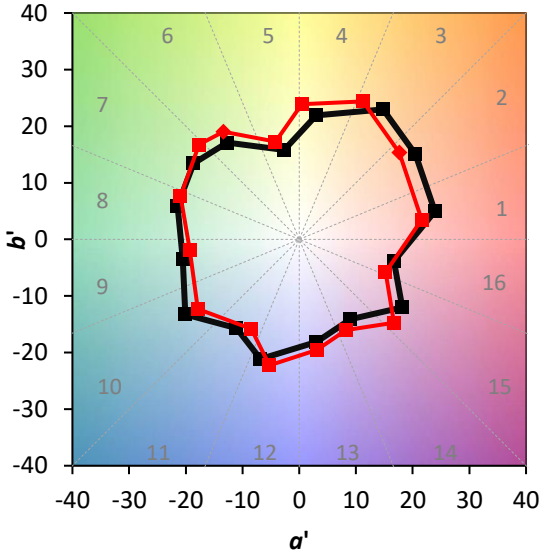
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

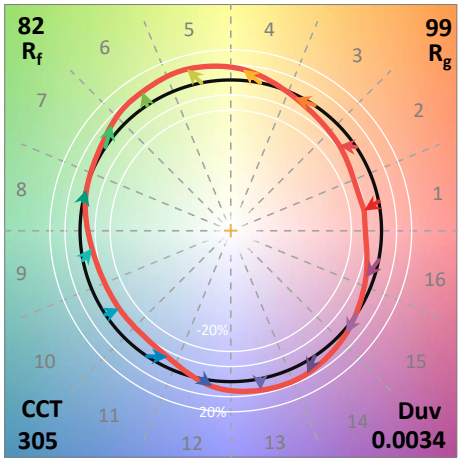
Spectral Power Distribution Comparison

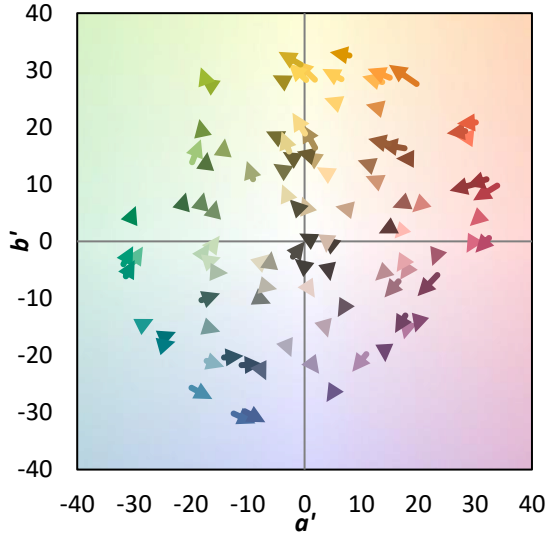


Color Vector Graphics









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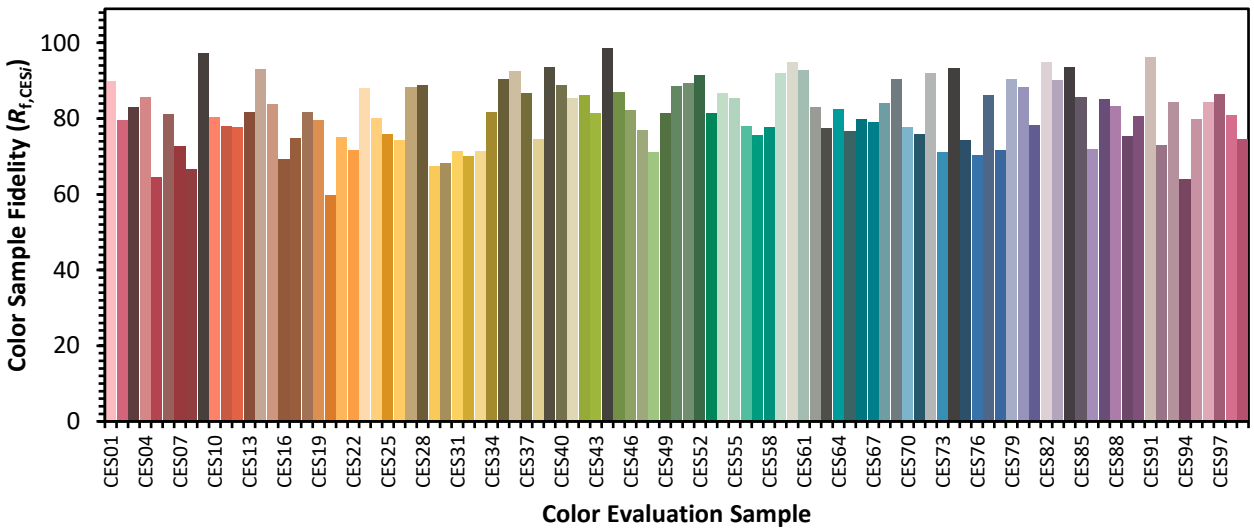
Individual Sample Fidelity Index ($R_{f,i}$)

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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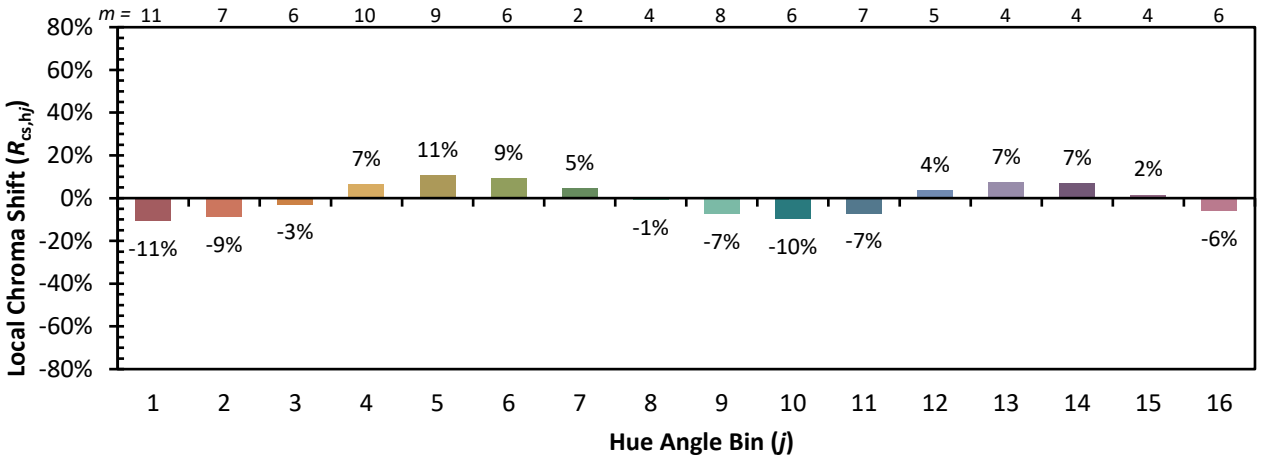
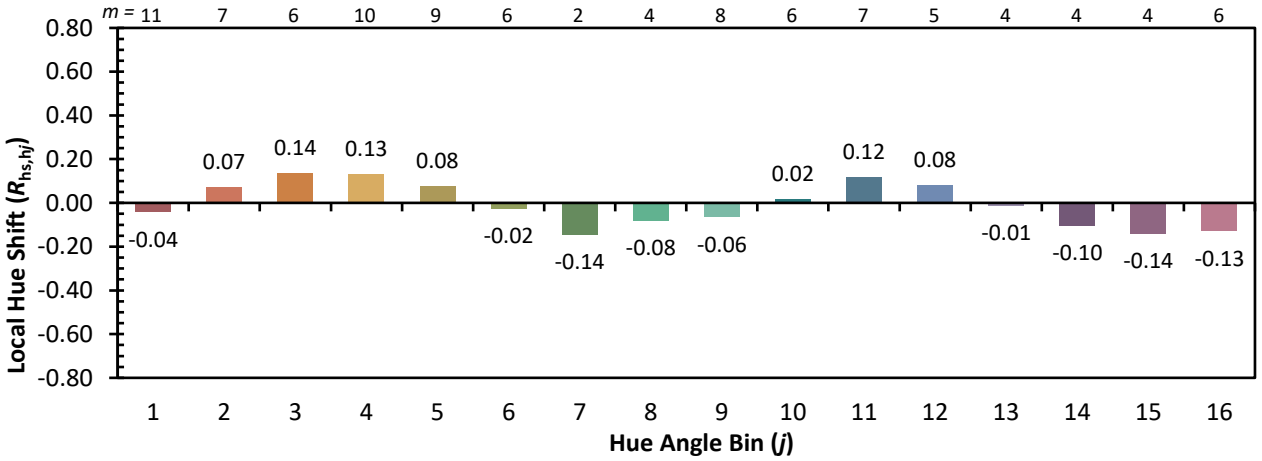
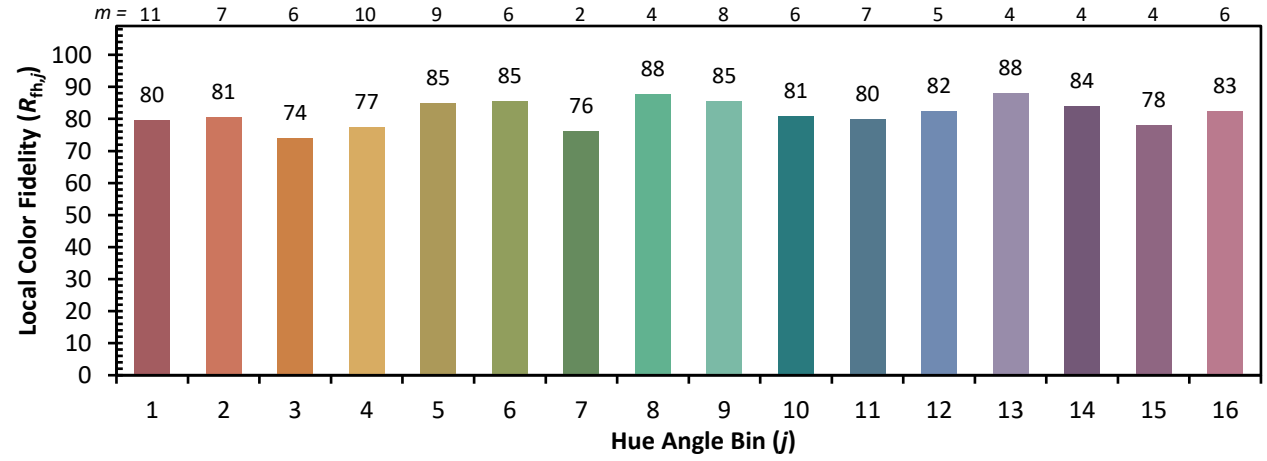
Color Rendition by Hue-Angle Bin







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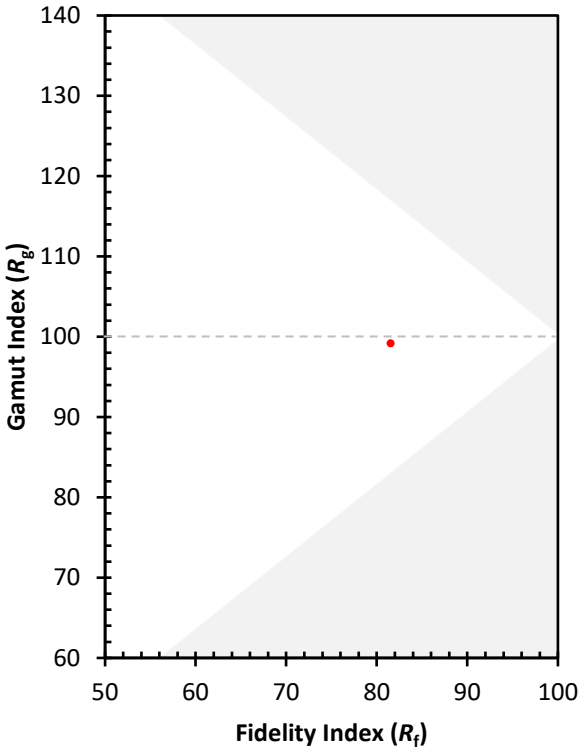
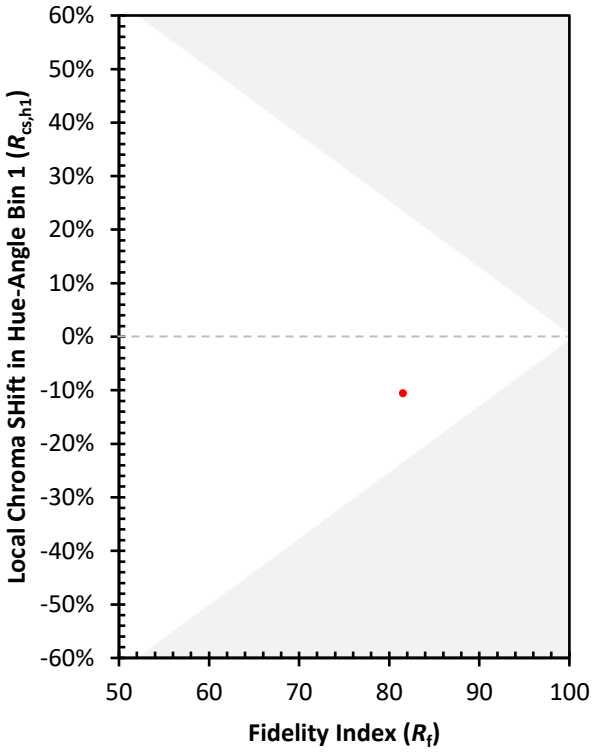
Measure Comparisons





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