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: P642948

Luminaire Tested: GWS-SA6D-830-U-T2R-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:	P642948
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-T2R-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY 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:	25044.5 lumens
Efficiency:	N/A
Efficacy:	101.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	245.7
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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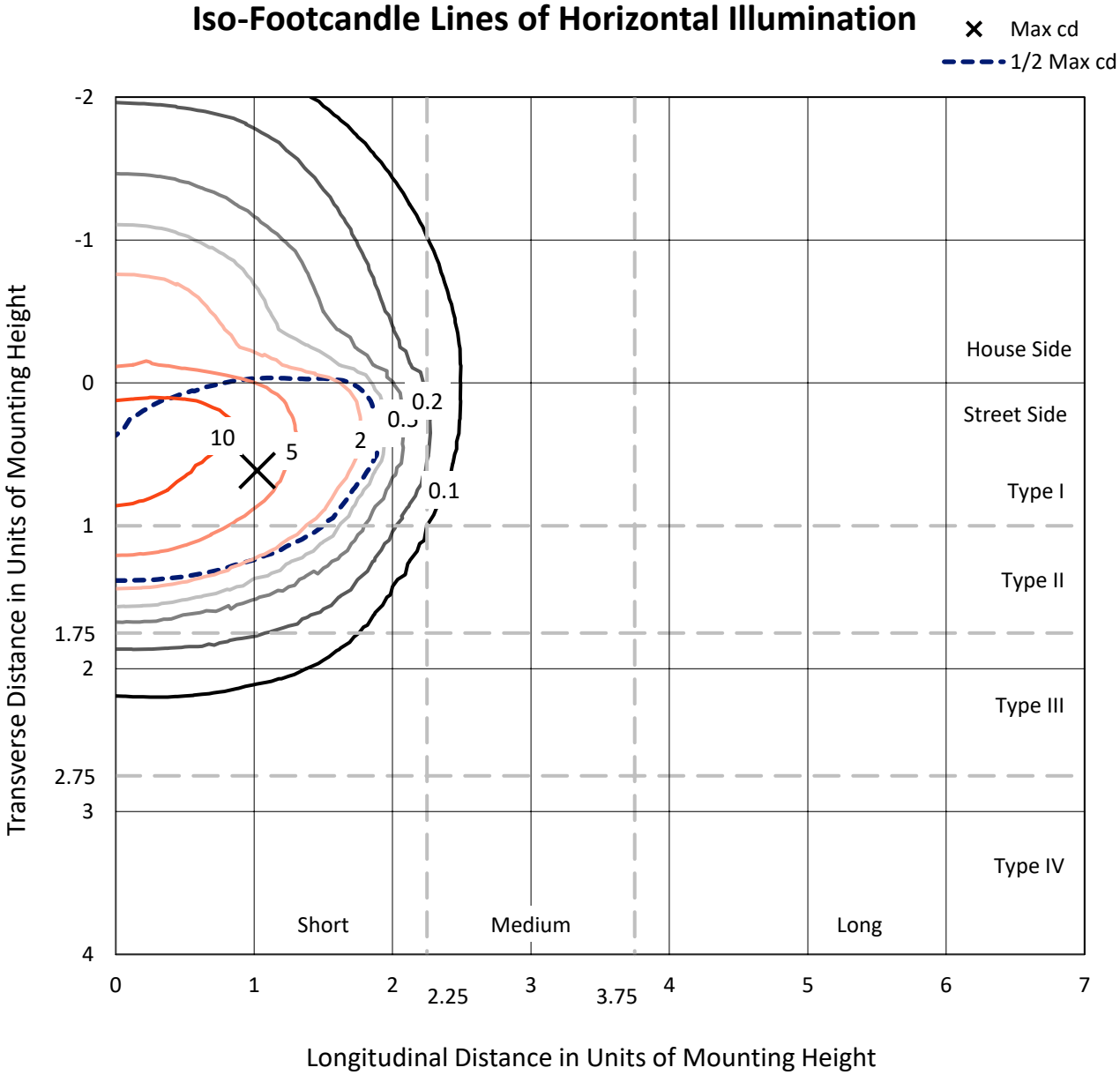
REPORT NUMBER: P642948
CATALOG NUMBER: GWS-SA6D-830-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12 fc
Type II - Short - N/A

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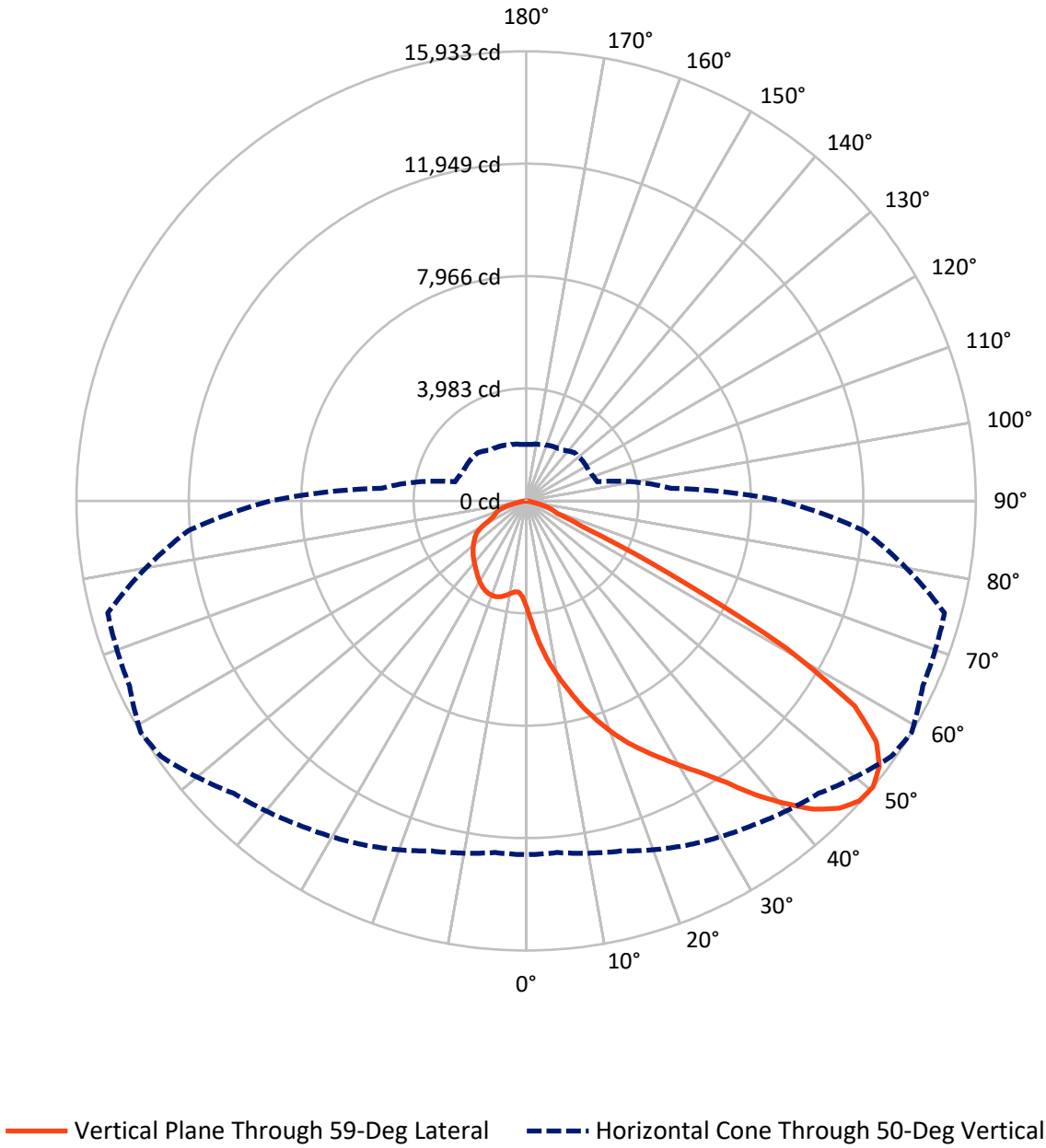
Luminous Intensity Polar Plot



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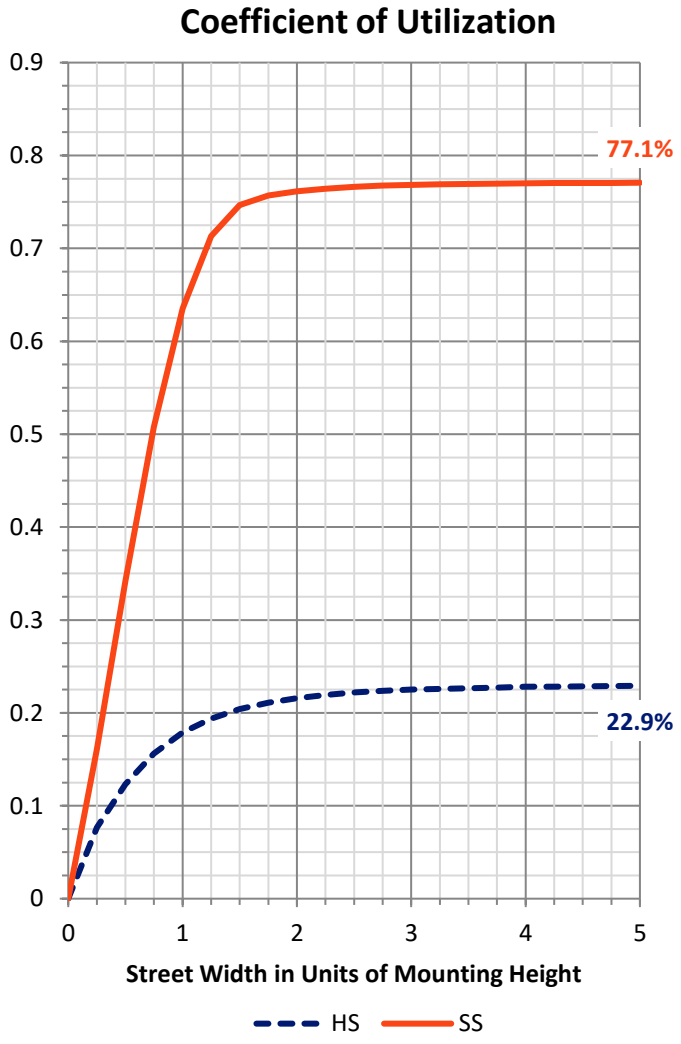
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5760.7	0.0	5760.7
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	19283.8	0.0	19283.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	25044.5	0.0	25044.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.7	1.7
10°-20°	1545.3	6.2
20°-30°	2926.1	11.7
30°-40°	4852.4	19.4
40°-50°	6628.6	26.5
50°-60°	6017.0	24.0
60°-70°	2003.7	8.0
70°-80°	584.4	2.3
80°-90°	61.4	0.2
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°	25044.5	100.0
0°-180°	25044.5	100.0



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REPORT NUMBER: P642948
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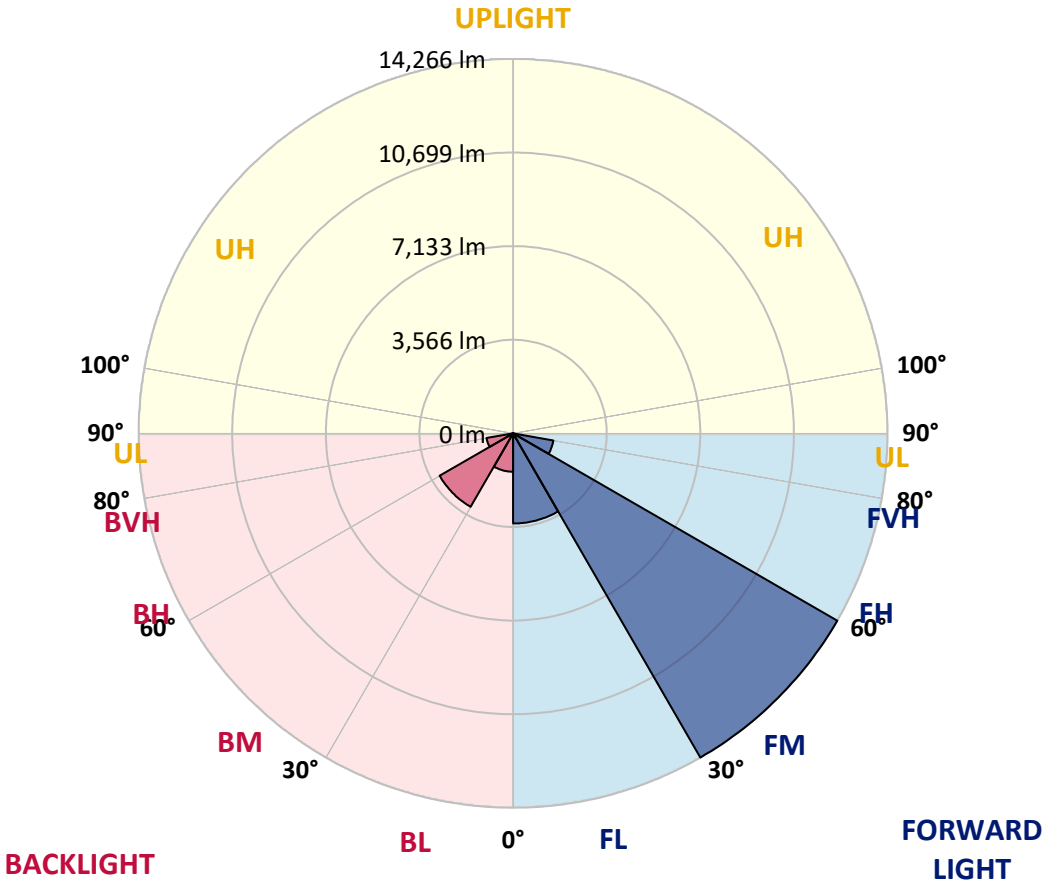
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3434.2	13.7			
FM	(30°-60°)	14265.7	57.0			
FH	(60°-80°)	1559.9	6.2			G1/1800
FVH	(80°-90°)	24.0	0.1			G1/100
BL	(0°-30°)	1462.8	5.8	B3/2500		
BM	(30°-60°)	3232.3	12.9	B3/5000		
BH	(60°-80°)	1028.2	4.1	B3/2500		G3/2500
BVH	(80°-90°)	37.4	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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REPORT NUMBER: P642948
CATALOG NUMBER: GWS-SA6D-830-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3794.4	3794.4	3794.4	3794.4	3794.4	3794.4	3794.4	*3794.4*	3794.4	3794.4	3794.4
2.5°	4916.4	4953.1	4896.0	4900.1	4757.3	4692.0	4508.4	*4400.3*	4328.9	4129.0	3947.4
5°	5907.9	5865.0	5820.1	5793.6	5669.2	5493.7	5265.3	*5083.7*	4916.4	4524.7	4147.3
7.5°	6515.8	6493.4	6462.8	6446.4	6324.0	6140.4	5911.9	*5756.9*	5514.1	4983.7	4390.1
10°	7031.9	7005.4	6987.0	6999.3	6899.3	6781.0	6532.1	*6354.6*	6081.3	5469.3	4683.9
12.5°	7431.8	7446.0	7452.2	7517.4	7474.6	7403.2	7146.2	*6958.5*	6654.5	5981.3	5028.6
15°	7748.0	7743.9	7815.3	7939.7	8009.1	7964.2	7758.2	*7601.1*	7229.8	6485.2	5399.9
17.5°	7821.4	7825.5	7937.7	8156.0	8382.4	8492.6	8376.3	*8188.6*	7821.4	6983.0	5785.5
20°	7880.6	7888.7	8005.0	8253.9	8584.4	8892.4	8910.8	*8776.1*	8459.9	7521.5	6177.2
22.5°	8253.9	8272.2	8302.8	8459.9	8757.8	9147.4	9361.6	*9333.0*	9067.8	8086.6	6599.4
25°	9235.1	9180.0	9031.1	8986.2	9100.5	9416.7	9781.8	*9836.9*	9706.4	8708.8	7054.4
27.5°	10446.9	10387.7	10167.4	9934.8	9688.0	9798.2	10187.8	*10353.1*	10355.1	9394.2	7511.3
30°	11546.5	11499.5	11320.0	10987.5	10561.1	10402.0	10689.7	*10912.0*	11044.6	10185.8	8031.5
32.5°	12486.9	12444.1	12201.3	11930.0	11513.8	11193.5	11297.6	*11511.8*	11821.9	11209.9	8678.2
35°	13278.4	13235.6	13003.0	12729.7	12344.1	12152.3	12115.6	*12262.5*	12664.4	12278.8	9420.8
37.5°	13921.0	13878.2	13635.4	13378.4	13084.6	13096.9	13151.9	*13223.3*	13453.9	13423.3	10214.3
40°	14337.2	14292.3	14118.9	13935.3	13749.7	13896.5	14169.9	*14084.2*	14206.6	14347.4	10944.7
42.5°	14522.8	14465.7	14365.8	14325.0	14267.8	14496.3	15022.6	*14937.0*	14790.1	14963.5	11487.3
45°	14337.2	14288.2	14286.2	14410.6	14543.2	14837.0	15612.2	*15542.8*	15171.6	15261.3	11811.7
47.5°	13768.0	13725.2	13841.5	14167.9	14494.3	14922.7	15875.4	*15887.6*	15442.9	15385.8	12021.8
50°	*12537.9*	*12509.3*	*12845.9*	*13464.1*	*14027.1*	*14655.4*	*15791.7*	*15932.5*	*15508.2*	*15347.0*	*11995.3*
52.5°	10036.8	10169.5	10901.8	11934.1	13027.5	14186.2	15481.6	*15665.2*	15194.0	15092.0	11852.5
55°	6870.8	6932.0	7664.3	9171.9	10905.9	13170.3	14769.7	*15053.2*	14822.7	15049.2	12001.4
57.5°	3557.8	3606.7	4184.1	5522.3	7397.1	10408.1	12792.9	*13723.1*	14074.0	15265.4	12464.5
60°	1460.6	1501.4	1740.1	2386.8	3731.2	6060.9	9206.6	*10585.6*	11409.8	13941.4	11069.1
62.5°	1060.8	1081.2	1195.4	1423.9	1954.3	2970.3	5210.2	*5718.1*	6297.5	8737.4	7027.8
65°	893.5	916.0	1007.8	1146.5	1426.0	1821.7	2225.7	*2237.9*	2466.4	3559.8	2605.1
67.5°	748.7	769.1	850.7	969.0	1152.6	1293.4	1195.4	*1197.5*	1193.4	1291.3	1248.5
70°	583.4	599.8	681.4	807.8	903.7	830.3	934.3	*1034.3*	991.4	1030.2	1089.4
72.5°	426.4	444.7	516.1	612.0	587.5	591.6	756.8	*858.8*	834.4	877.2	932.3
75°	308.0	320.3	357.0	306.0	322.3	389.6	532.4	*587.5*	612.0	648.7	697.7
77.5°	100.0	100.0	112.2	140.8	175.4	216.2	271.3	*293.8*	330.5	371.3	406.0
80°	51.0	53.0	63.2	77.5	97.9	124.4	159.1	*169.3*	187.7	210.1	224.4
82.5°	24.5	26.5	30.6	38.8	51.0	65.3	87.7	*97.9*	110.2	124.4	134.6
85°	6.1	6.1	8.2	12.2	16.3	24.5	32.6	*38.8*	49.0	59.2	65.3
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	6.1	*8.2*	10.2	12.2	16.3
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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REPORT NUMBER: P642948
CATALOG NUMBER: GWS-SA6D-830-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3794.4	3794.4	3794.4	3794.4	3794.4	3794.4	3794.4	3794.4	3794.4	3794.4	3794.4
2.5°	3865.8	3751.6	3604.7	3480.3	3366.0	3278.3	3202.8	3166.1	3131.4	3106.9	3115.1
5°	3971.9	3776.1	3502.7	3313.0	3196.7	3137.5	3096.7	3076.3	3072.3	3055.9	3049.8
7.5°	4126.9	3847.5	3482.3	3290.5	3213.0	3182.4	3160.0	3147.7	3153.9	3137.5	3131.4
10°	4318.7	3965.8	3533.3	3364.0	3296.7	3274.2	3249.7	3233.4	3225.3	3200.8	3196.7
12.5°	4557.4	4112.7	3625.1	3457.8	3390.5	3351.7	3319.1	3290.5	3272.2	3241.6	3233.4
15°	4814.4	4275.9	3733.2	3549.6	3470.1	3412.9	3359.9	3317.1	3284.4	3243.6	3237.5
17.5°	5093.9	4447.2	3823.0	3612.9	3510.9	3435.4	3357.9	3294.6	3249.7	3196.7	3190.6
20°	5385.6	4620.6	3890.3	3643.5	3512.9	3410.9	3306.9	3223.2	3166.1	3113.1	3109.0
22.5°	5687.5	4779.7	3931.1	3635.3	3480.3	3353.8	3229.3	3135.5	3068.2	3004.9	3000.9
25°	5991.5	4932.7	3941.3	3602.7	3415.0	3268.1	3143.7	3033.5	2958.0	2886.6	2878.5
27.5°	6299.6	5061.3	3916.8	3537.4	3327.3	3168.1	3043.7	2935.6	2858.1	2786.7	2774.4
30°	6628.0	5171.4	3863.8	3451.7	3225.3	3062.1	2939.7	2858.1	2784.6	2713.2	2701.0
32.5°	6978.9	5267.3	3788.3	3347.7	3106.9	2956.0	2866.2	2792.8	2719.3	2656.1	2643.9
35°	7397.1	5330.5	3676.1	3213.0	2996.8	2878.5	2817.3	2731.6	2641.8	2572.5	2566.3
37.5°	7829.6	5379.5	3541.5	3084.5	2900.9	2833.6	2782.6	2666.3	2554.1	2470.5	2460.3
40°	8247.8	5420.3	3374.2	2964.1	2813.2	2800.9	2731.6	2586.7	2392.9	2299.1	2290.9
42.5°	8637.4	5432.5	3198.7	2835.6	2733.6	2727.5	2650.0	2425.6	2276.7	2217.5	2209.3
45°	8904.6	5422.3	3017.2	2715.3	2654.1	2621.4	2539.8	2309.3	2217.5	2164.5	2154.3
47.5°	9102.5	5369.3	2813.2	2588.8	2564.3	2519.4	2344.0	2235.9	2150.2	2097.1	2086.9
50°	*9067.8*	*5149.0*	*2607.1*	*2466.4*	*2456.2*	*2417.4*	*2201.2*	*2144.1*	*2068.6*	*2011.4*	*2003.3*
52.5°	8888.3	4730.8	2397.0	2331.7	2352.1	2276.7	2099.2	2033.9	1968.6	1903.3	1889.0
55°	8933.2	4428.9	2237.9	2201.2	2237.9	2066.5	1984.9	1915.6	1854.4	1791.1	1778.9
57.5°	9129.0	4131.0	2068.6	2060.4	2099.2	1905.4	1838.0	1750.3	1662.6	1611.6	1611.6
60°	7666.4	3011.1	1770.7	1791.1	1878.8	1774.8	1715.6	1625.9	1530.0	1485.1	1485.1
62.5°	4532.9	1889.0	1468.8	1446.4	1501.4	1566.7	1599.4	1525.9	1411.7	1352.5	1354.6
65°	1997.2	1375.0	1295.4	1277.0	1260.7	1305.6	1395.4	1401.5	1281.1	1211.8	1213.8
67.5°	1230.1	1244.4	1211.8	1197.5	1183.2	1175.0	1166.9	1171.0	1138.3	1075.1	1073.0
70°	1109.8	1148.5	1126.1	1113.8	1095.5	1081.2	1032.2	952.7	897.6	881.3	899.6
72.5°	954.7	1007.8	995.5	989.4	967.0	932.3	867.0	789.5	724.2	683.4	691.6
75°	720.1	763.0	769.1	771.1	746.6	714.0	646.7	581.4	524.3	481.4	491.6
77.5°	414.1	438.6	444.7	450.8	432.5	420.2	375.4	328.4	297.8	253.0	265.2
80°	230.5	240.7	240.7	242.8	232.6	218.3	187.7	161.2	146.9	126.5	128.5
82.5°	138.7	142.8	144.8	146.9	140.8	126.5	104.0	85.7	77.5	67.3	65.3
85°	67.3	71.4	71.4	73.4	63.2	55.1	42.8	32.6	28.6	20.4	22.4
87.5°	16.3	18.4	18.4	16.3	14.3	10.2	6.1	2.0	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

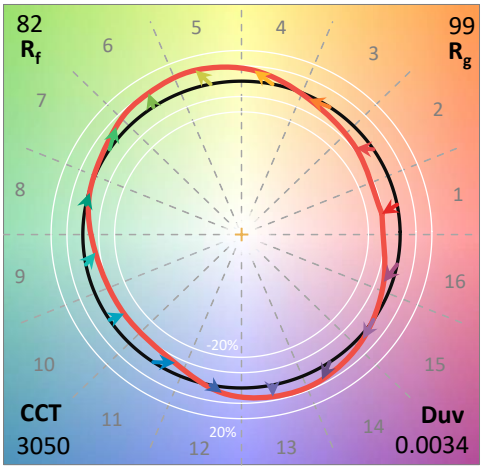
Test Information

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

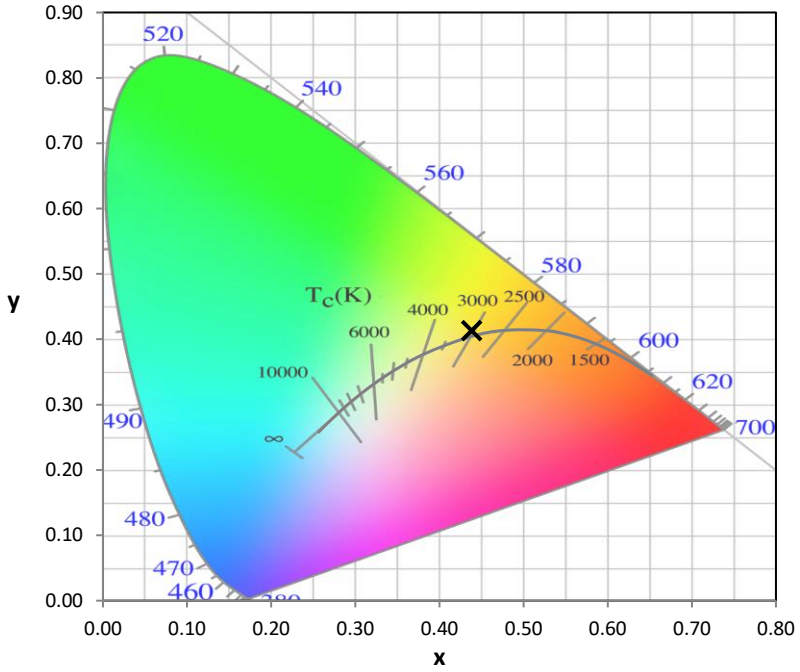
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

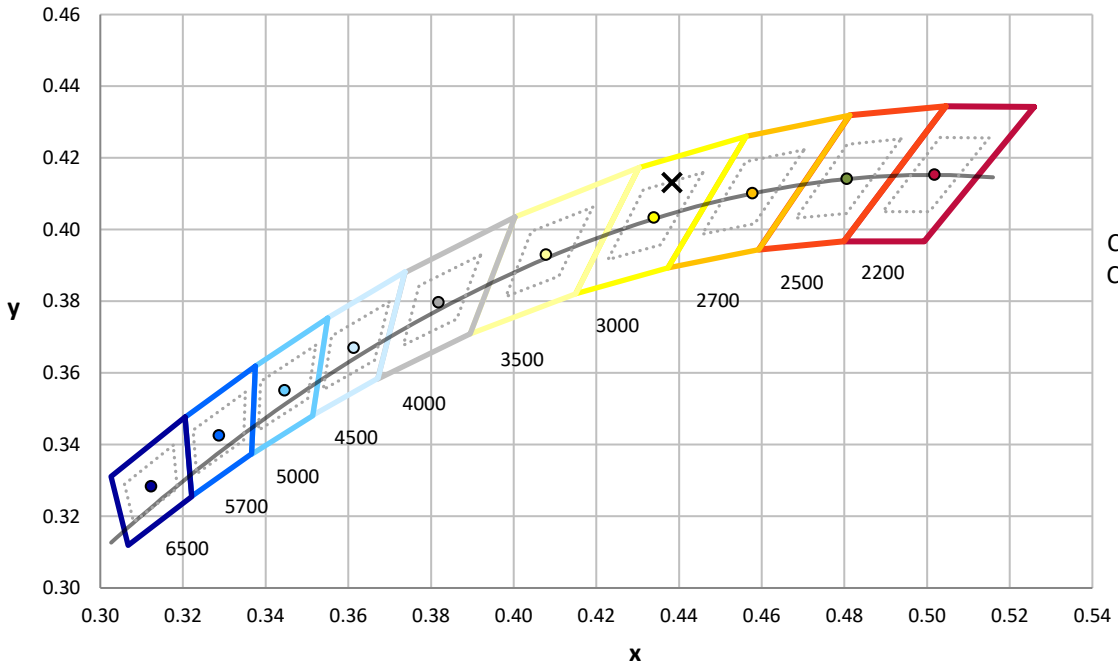
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

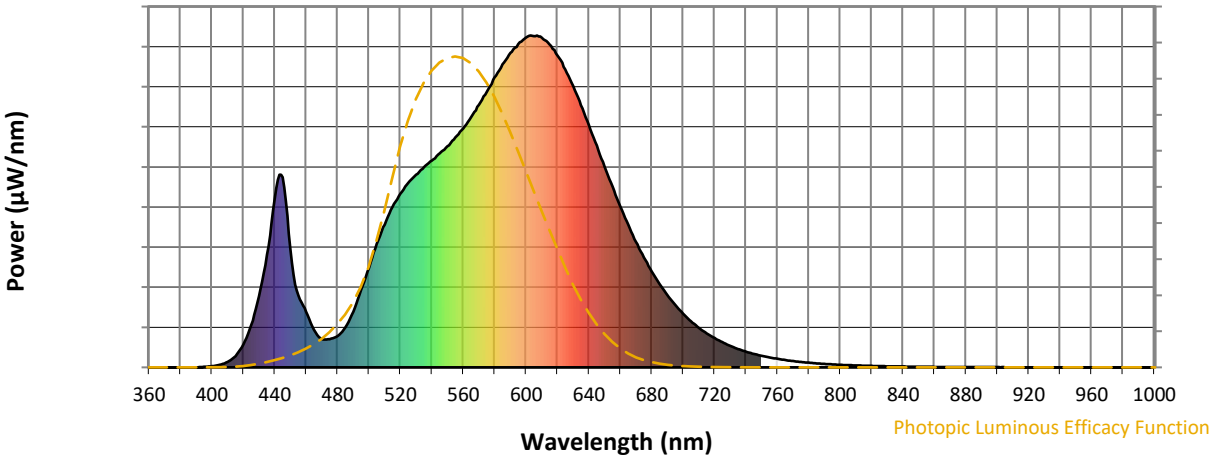


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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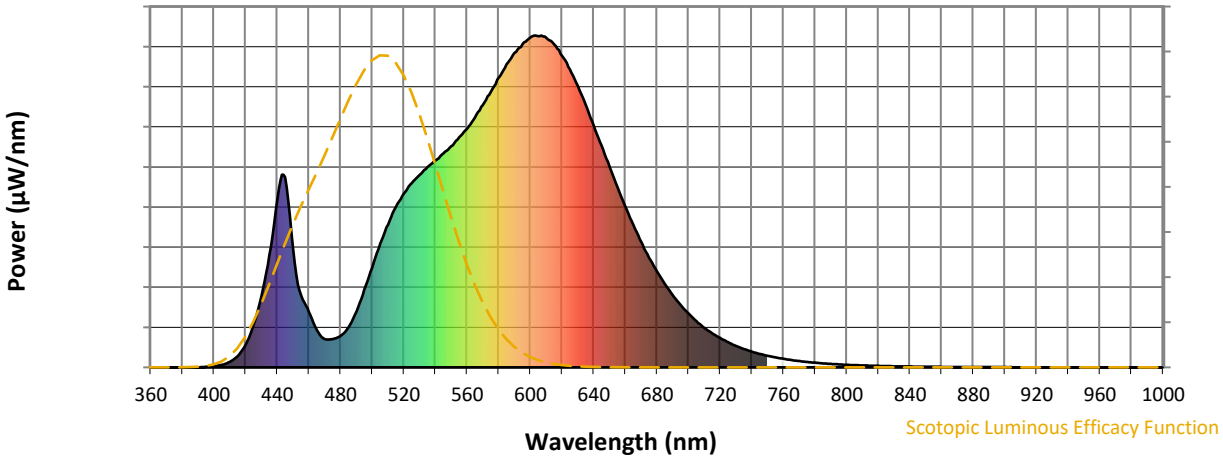
Scotopic Flux vs. Wavelength



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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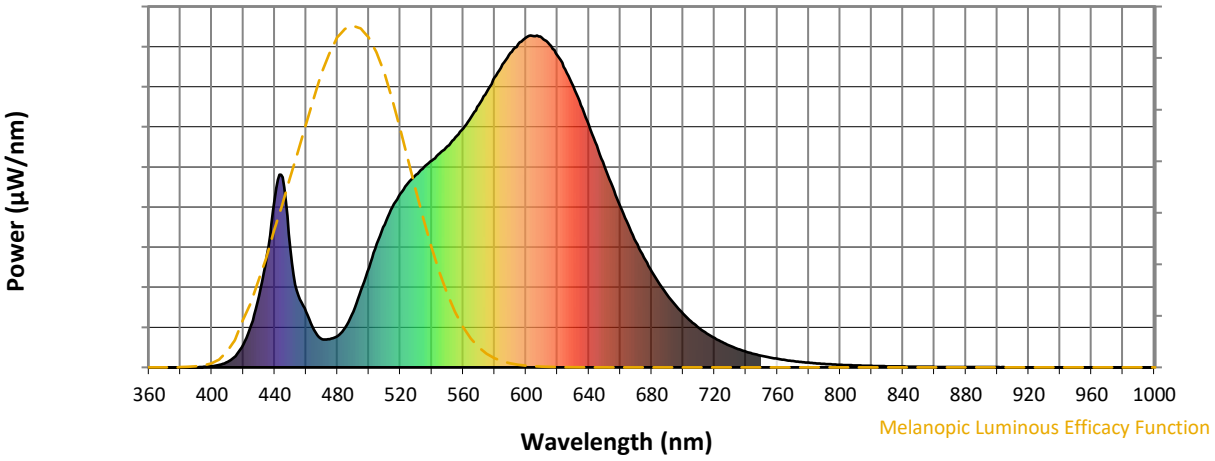
Melanopic Flux vs. Wavelength



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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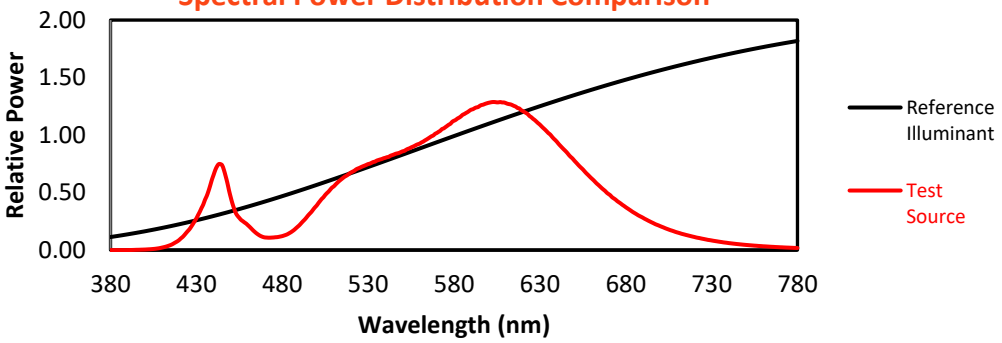
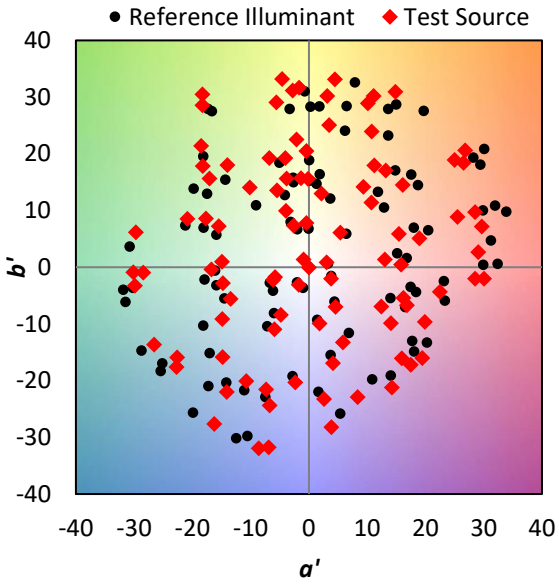
Summary

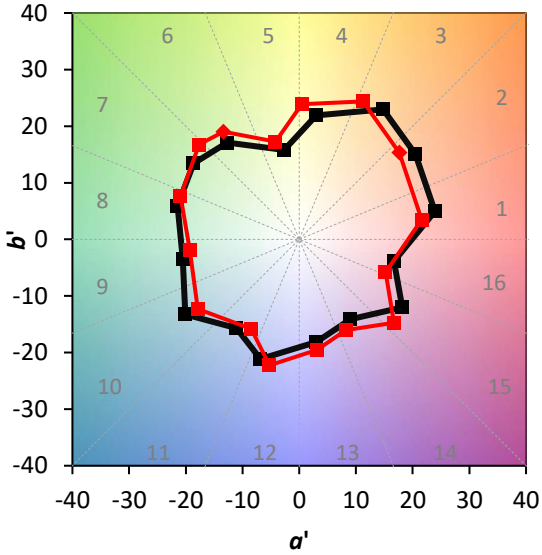
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

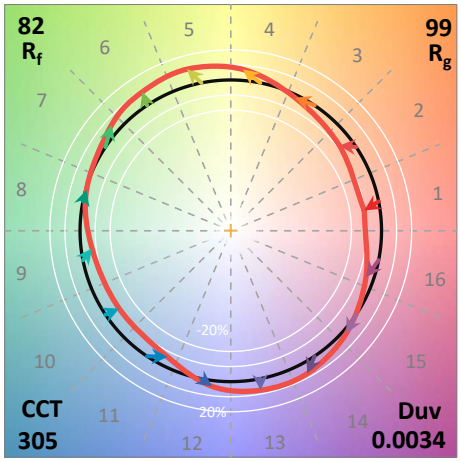
Spectral Power Distribution Comparison

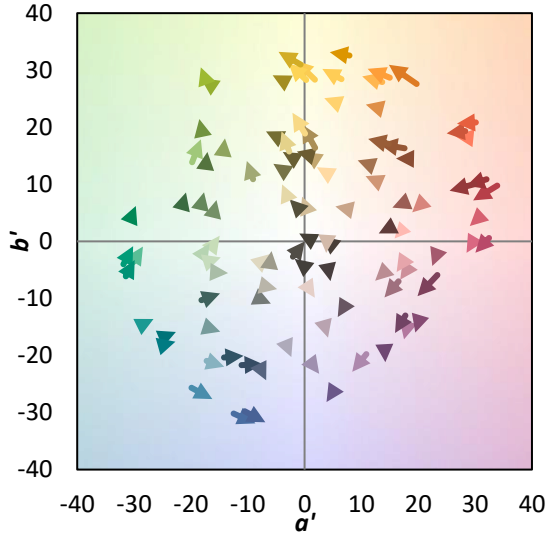


Color Vector Graphics









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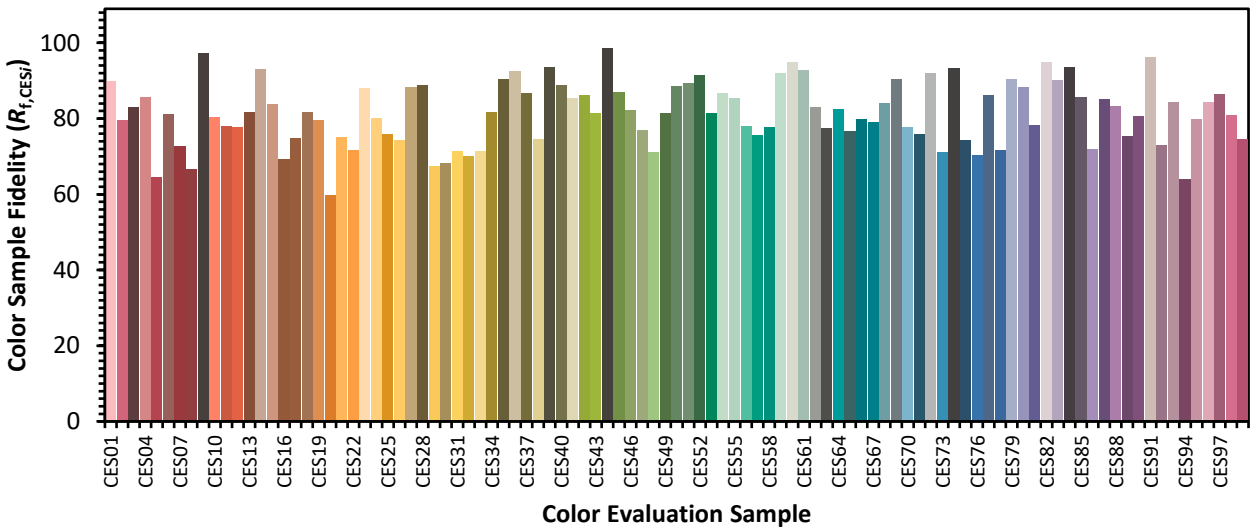
Individual Sample Fidelity Index ($R_{f,i}$)

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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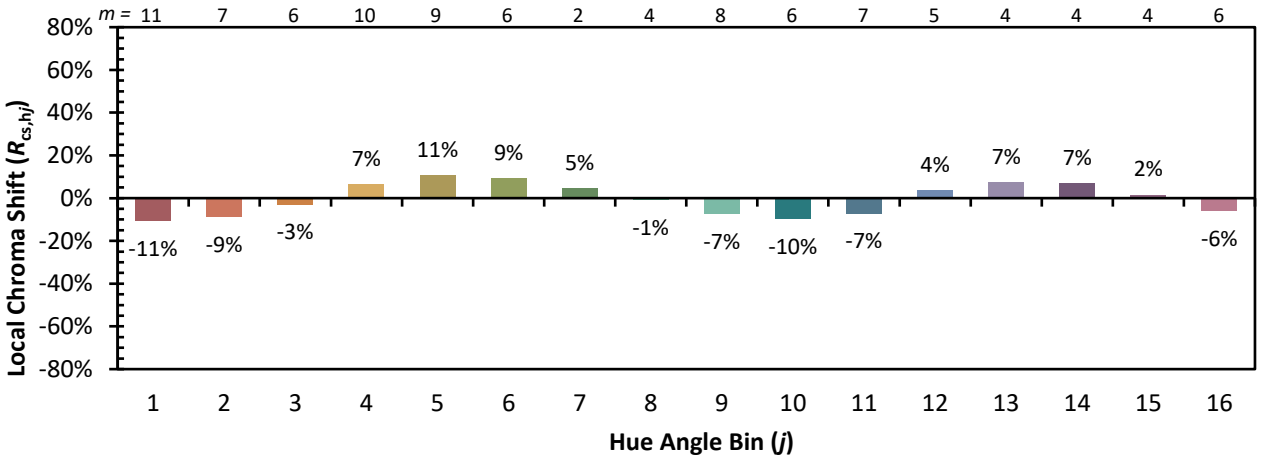
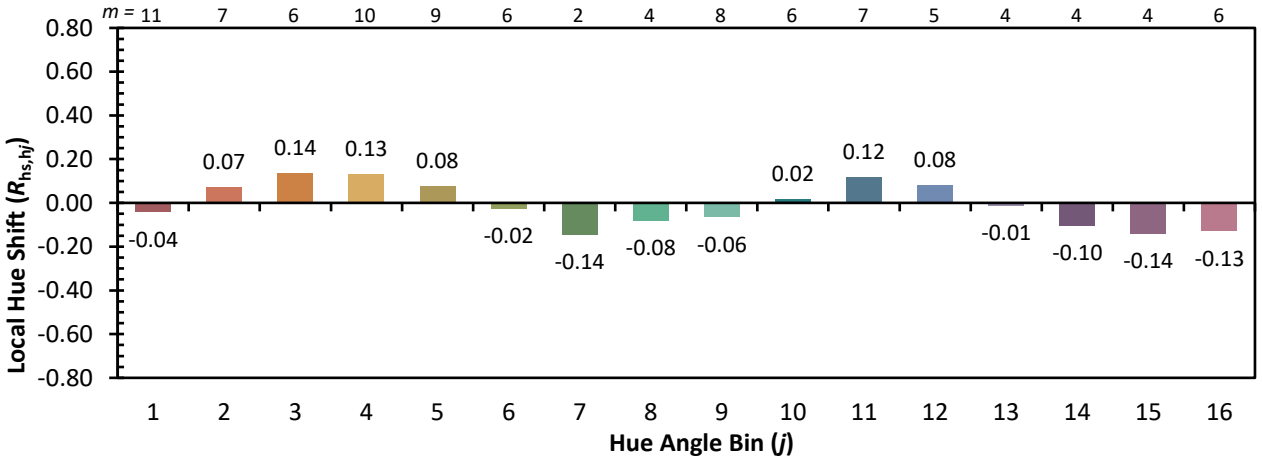
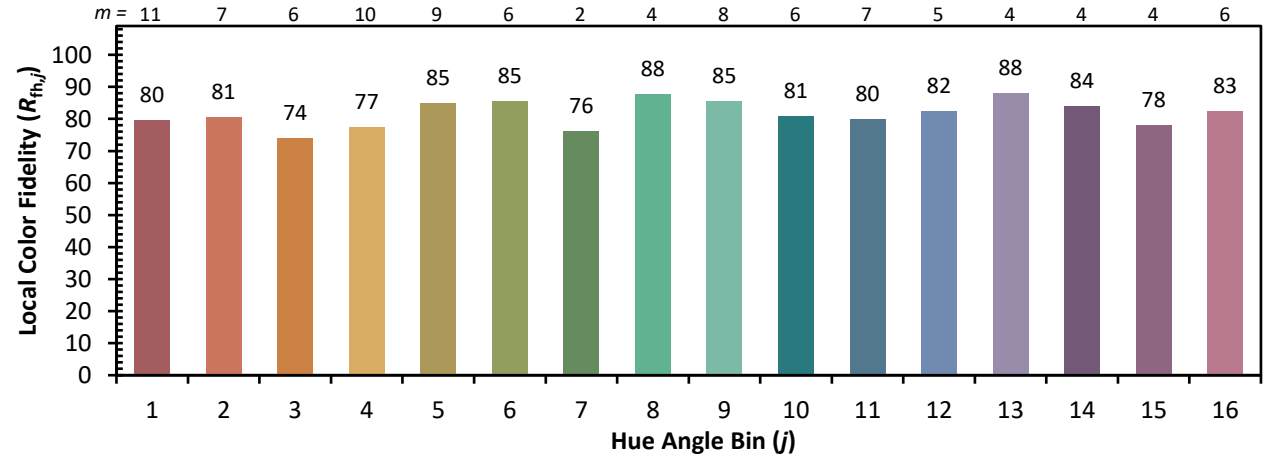
Color Rendition by Hue-Angle Bin







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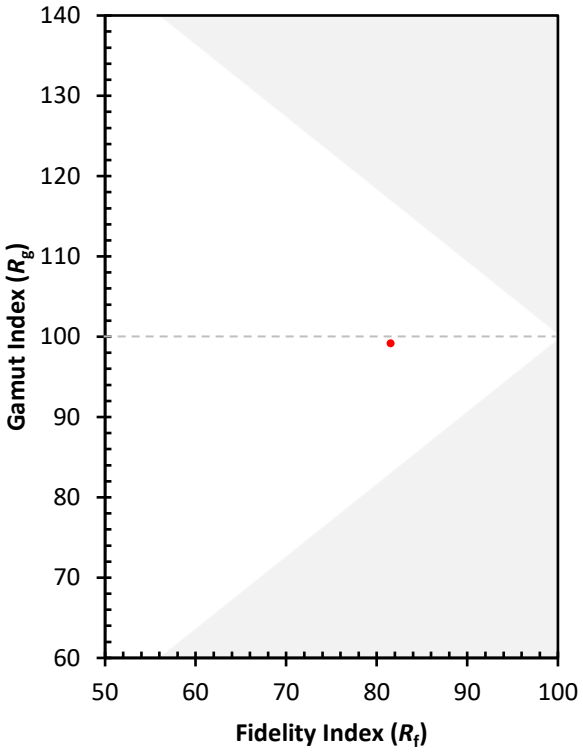
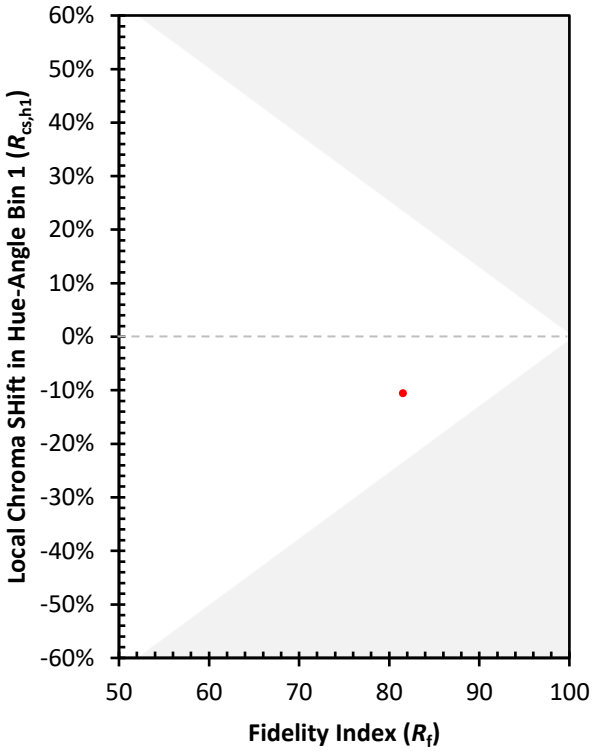
Measure Comparisons





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