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: P635000

Luminaire Tested: GWS-SA3C-830-U-AFL-W

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:	P635000
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA3C-830-U-AFL-W
Description:	GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source:	(48) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11284.3 lumens
Efficiency:	N/A
Efficacy:	121.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G1

Input Watts (W):	93
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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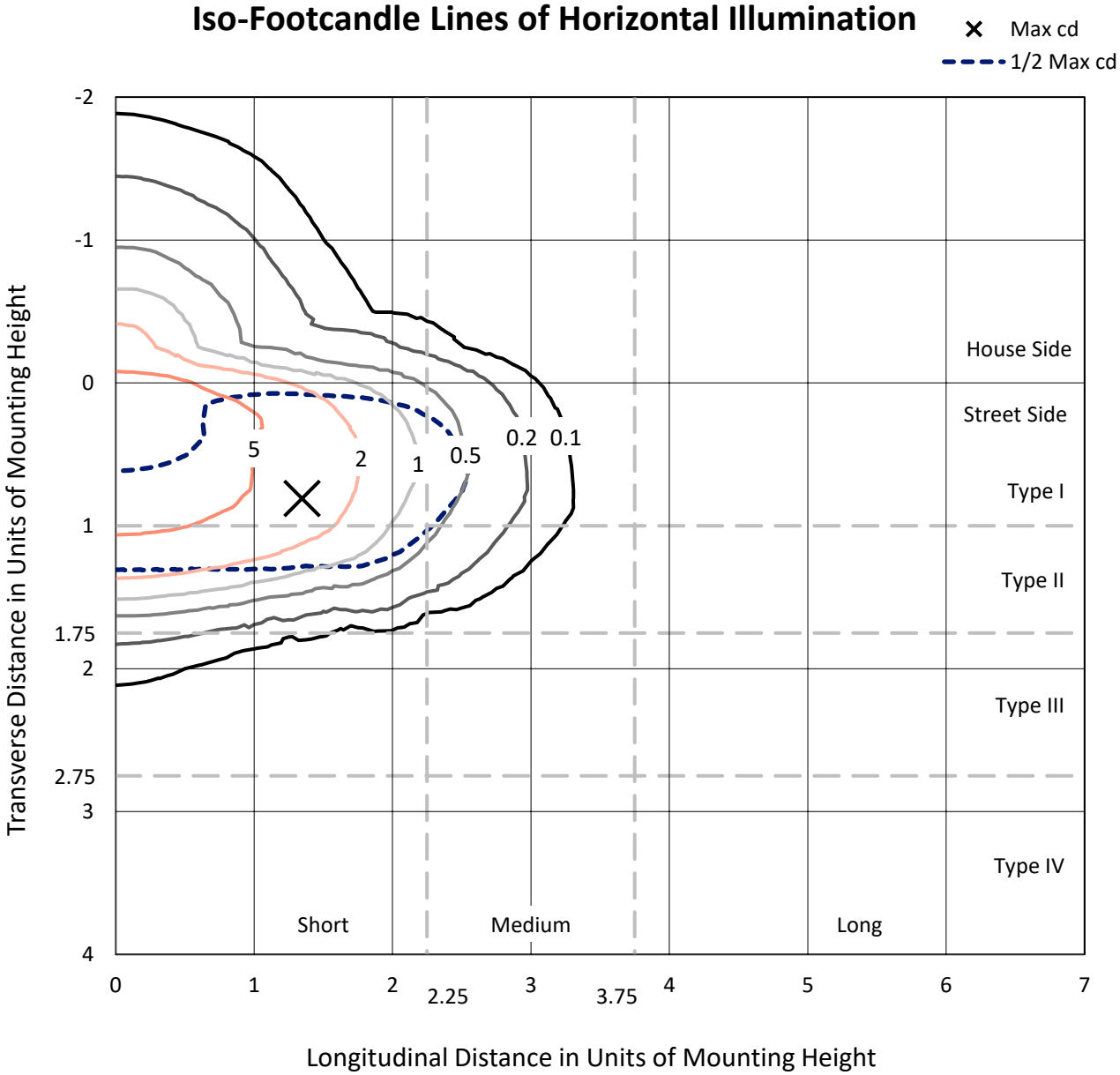
Scaled Data Report

REPORT NUMBER: P635000
CATALOG NUMBER: GWS-SA3C-830-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.5 fc
Type II - Short - N/A

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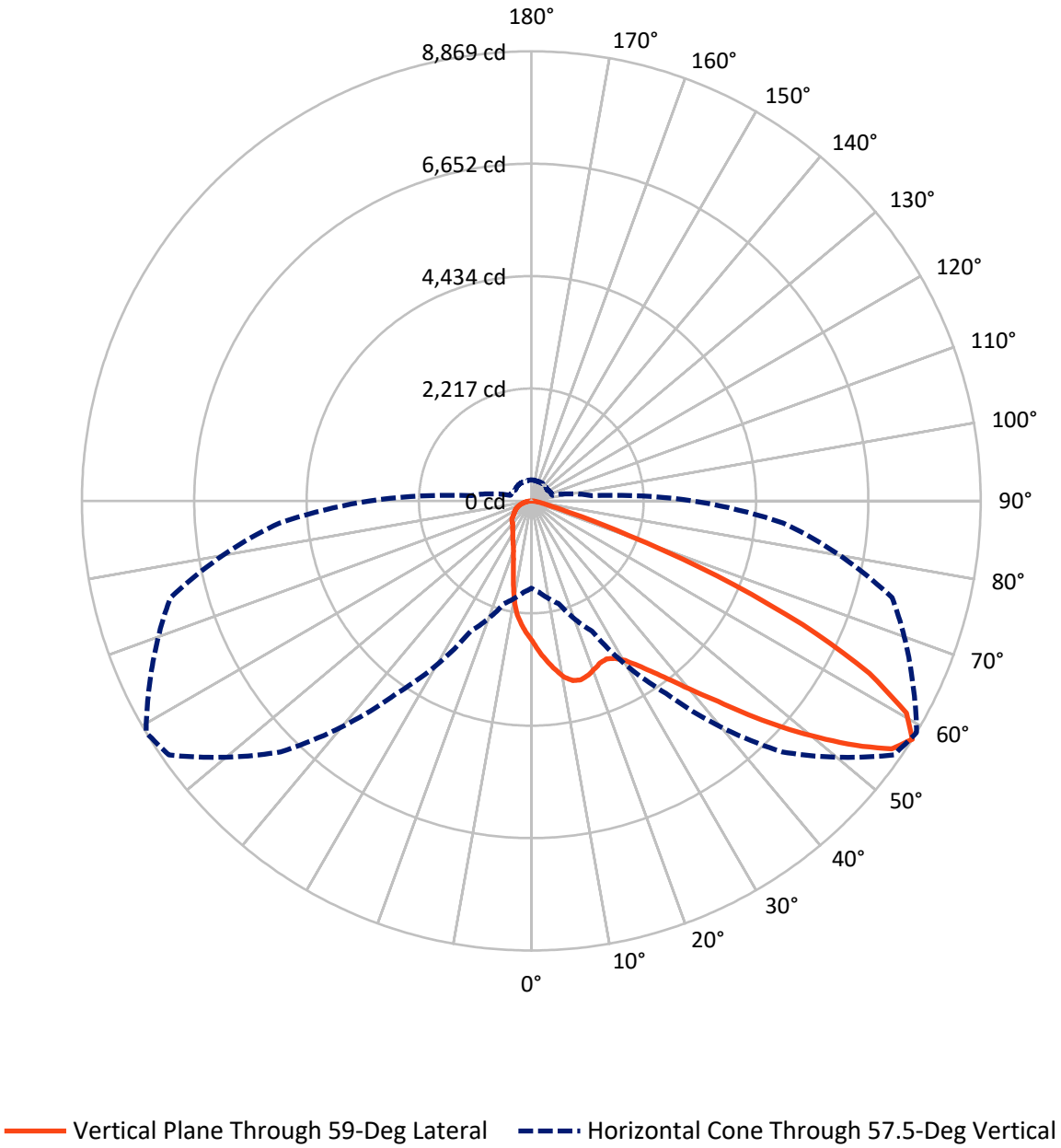
Luminous Intensity Polar Plot



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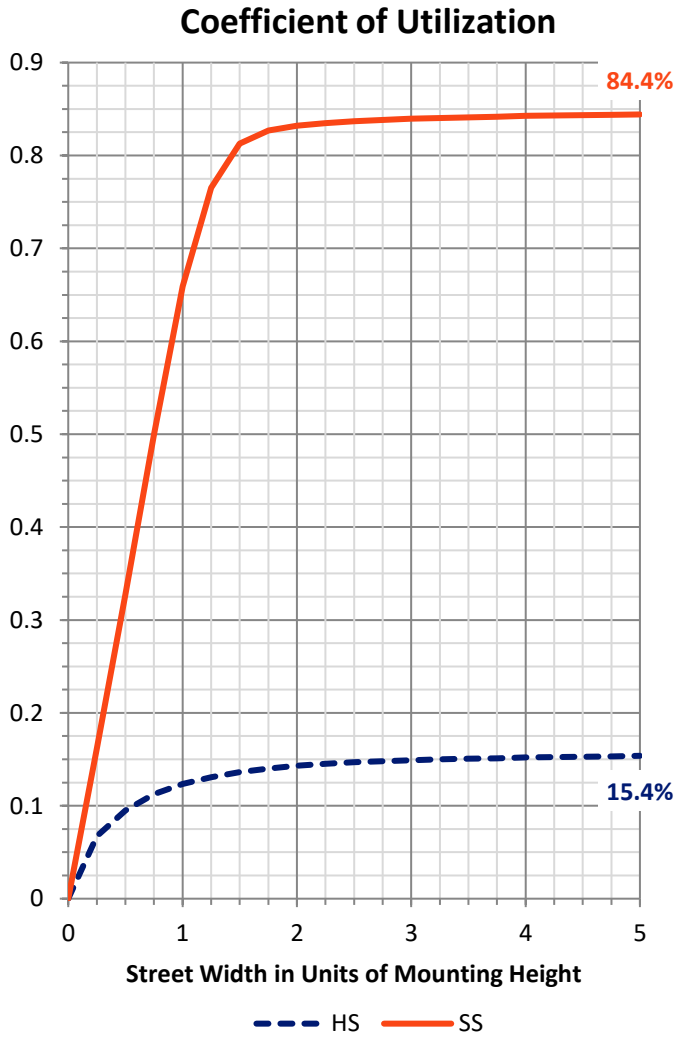
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1751.3	0.0	1751.3
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	9533.0	0.0	9533.0
	% Fixture	84.5	0.0	84.5
Total	Lumens	11284.3	0.0	11284.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.2	2.3
10°-20°	651.8	5.8
20°-30°	1056.5	9.4
30°-40°	1699.5	15.1
40°-50°	2639.2	23.4
50°-60°	2842.8	25.2
60°-70°	1649.8	14.6
70°-80°	430.7	3.8
80°-90°	56.7	0.5
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°	11284.3	100.0
0°-180°	11284.3	100.0



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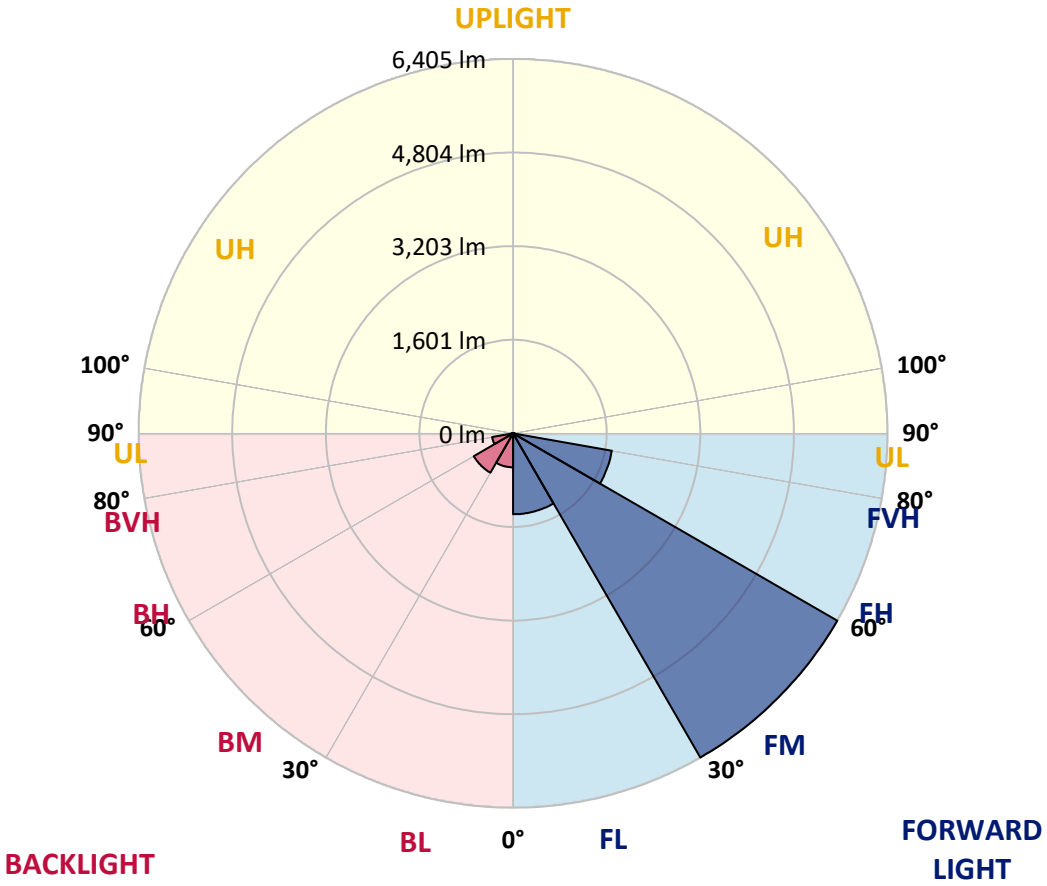
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1384.5	12.3			
FM	(30°-60°)	6405.1	56.8			
FH	(60°-80°)	1716.3	15.2			G1/1800
FVH	(80°-90°)	27.2	0.2			G1/100
BL	(0°-30°)	581.0	5.1	B2/1000		
BM	(30°-60°)	776.4	6.9	B1/1000		
BH	(60°-80°)	364.3	3.2	B1/500		G1/500
BVH	(80°-90°)	29.6	0.3			G1/100
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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Scaled Data Report

REPORT NUMBER: P635000
CATALOG NUMBER: GWS-SA3C-830-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1
2.5°	3141.8	3115.6	3133.9	3101.3	3087.8	3052.1	3006.0	2975.0	2927.4	2865.4	2811.4
5°	3454.0	3435.8	3439.7	3404.8	3373.8	3314.2	3219.7	3167.3	3086.2	2961.5	2845.5
7.5°	3444.5	3466.0	3477.9	3508.1	3516.8	3511.2	3426.2	3353.2	3264.2	3076.7	2901.9
10°	3087.8	3128.3	3164.9	3268.2	3393.7	3552.6	3572.4	3528.7	3439.0	3223.7	2969.5
12.5°	2699.4	2730.4	2762.9	2886.8	3079.1	3396.9	3612.1	3639.1	3603.4	3369.0	3045.7
15°	2508.7	2523.0	2554.0	2635.8	2789.1	3141.8	3543.0	3661.4	3725.7	3523.2	3131.5
17.5°	2500.8	2507.1	2522.2	2565.9	2672.4	2944.8	3418.3	3616.9	3821.9	3686.0	3231.6
20°	2665.2	2648.5	2639.0	2638.2	2690.6	2878.9	3297.6	3545.4	3867.1	3852.8	3338.9
22.5°	2893.2	2898.8	2878.1	2827.3	2820.9	2925.8	3237.2	3473.1	3880.6	4000.6	3438.2
25°	3216.5	3244.3	3183.2	3086.2	3038.6	3061.6	3274.5	3450.9	3879.1	4123.7	3500.1
27.5°	3593.9	3615.3	3553.3	3426.2	3327.7	3272.1	3385.7	3516.8	3892.6	4230.2	3537.5
30°	4023.6	4030.8	3945.8	3812.3	3668.5	3549.4	3570.8	3652.6	3961.7	4370.0	3581.2
32.5°	4548.7	4578.9	4450.2	4238.9	4037.9	3885.4	3819.5	3871.9	4111.0	4535.2	3648.7
35°	5215.2	5225.6	5061.9	4759.2	4474.9	4263.5	4125.3	4153.1	4338.2	4766.4	3750.4
37.5°	5843.6	5853.9	5680.0	5398.7	4992.0	4702.8	4502.7	4489.9	4629.0	5092.9	3916.4
40°	6242.4	6271.8	6193.9	6017.6	5629.1	5239.1	4967.4	4923.7	5010.3	5492.5	4147.6
42.5°	6456.9	6469.6	6468.0	6491.0	6259.9	5872.2	5491.7	5404.3	5462.3	5923.8	4381.1
45°	6458.5	6490.2	6575.2	6796.9	6807.2	6565.7	6154.2	6017.6	5964.3	6358.4	4625.0
47.5°	6169.3	6203.5	6437.0	6873.1	7194.9	7249.7	6947.8	6673.7	6449.7	6732.5	4825.2
50°	5293.9	5379.7	5824.5	6595.9	7271.1	7797.8	7704.9	7333.1	6881.1	7021.7	4950.7
52.5°	4533.6	4530.5	4804.5	5812.6	6952.6	8039.3	8437.3	8011.5	7307.7	7205.2	4982.5
55°	3319.8	3338.1	3618.5	4445.5	6102.6	7805.8	8840.1	8635.9	7797.0	7302.9	4969.8
57.5°	1721.5	1812.0	2099.6	2836.8	4636.9	7001.8	8732.8	8868.7	8294.3	7372.0	4986.4
60°	869.9	852.4	955.7	1354.5	2686.7	5468.6	8071.9	8504.8	8384.1	7426.0	4996.8
62.5°	580.7	575.9	547.3	627.6	1097.9	3238.8	6881.1	7488.0	7760.5	7298.9	4864.9
65°	502.9	493.3	440.9	437.7	533.0	1343.3	5043.6	5886.5	6414.0	6734.1	4549.5
67.5°	452.8	438.5	385.3	359.1	382.9	590.2	2842.4	3948.2	4736.2	5695.0	3858.4
70°	404.3	397.2	344.0	305.8	303.5	359.9	1047.0	2037.6	2898.0	3885.4	2820.9
72.5°	362.2	349.5	304.3	267.7	249.4	255.0	454.4	784.9	1499.8	2423.7	1687.3
75°	313.8	304.3	264.5	228.0	205.7	186.7	277.2	363.0	684.0	1151.9	796.8
77.5°	242.3	235.9	208.9	181.1	168.4	139.0	168.4	228.8	316.2	485.4	414.7
80°	140.6	144.6	155.7	141.4	123.9	99.3	109.6	131.9	189.9	262.9	235.1
82.5°	70.7	75.5	100.9	81.8	73.9	58.0	65.1	77.9	99.3	145.4	92.2
85°	5.6	5.6	18.3	20.7	25.4	20.7	26.2	31.8	45.3	58.0	31.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	7.1	13.5	8.7
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: P635000
CATALOG NUMBER: GWS-SA3C-830-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1	2770.1
2.5°	2774.8	2734.3	2685.9	2646.1	2585.0	2552.4	2511.1	2460.3	2439.6	2430.1	2424.5
5°	2780.4	2708.9	2605.6	2510.3	2404.6	2321.2	2228.3	2131.4	2075.8	2062.3	2052.7
7.5°	2801.1	2701.0	2536.5	2379.2	2183.0	2001.1	1823.9	1648.4	1558.6	1524.5	1521.3
10°	2829.6	2697.8	2466.6	2205.3	1874.0	1586.4	1379.1	1241.6	1183.7	1164.6	1158.2
12.5°	2865.4	2695.4	2374.5	1963.8	1517.3	1245.6	1127.3	1105.0	1113.0	1111.4	1111.4
15°	2910.7	2698.6	2263.2	1690.5	1227.3	1081.2	1083.6	1109.8	1134.4	1138.4	1138.4
17.5°	2959.9	2695.4	2102.0	1416.4	1053.4	1042.3	1078.8	1115.3	1137.6	1140.8	1140.8
20°	3013.2	2680.3	1898.6	1158.2	977.1	1017.6	1057.3	1085.9	1099.4	1102.6	1102.6
22.5°	3044.9	2637.4	1677.8	980.3	928.7	978.7	1004.9	1034.3	1035.9	1010.5	1009.7
25°	3040.2	2557.2	1425.9	865.9	877.0	920.7	954.1	933.4	908.0	893.7	891.3
27.5°	3010.0	2436.4	1169.4	779.3	815.8	865.1	854.8	837.3	830.9	815.1	813.5
30°	2971.8	2287.9	939.0	711.8	752.3	797.6	781.7	780.1	773.7	756.3	756.3
32.5°	2935.3	2134.6	765.0	661.7	711.8	715.0	737.2	738.8	735.6	705.4	702.2
35°	2925.0	1981.2	647.4	622.0	672.1	670.5	702.2	701.5	646.6	604.5	603.7
37.5°	2956.0	1825.5	577.5	589.4	617.2	637.9	663.3	617.2	599.0	573.6	572.0
40°	3021.9	1681.7	541.8	570.4	582.3	612.5	572.8	575.9	571.2	552.1	549.7
42.5°	3109.3	1559.4	521.9	564.0	562.4	570.4	526.7	539.4	546.5	532.2	529.9
45°	3193.5	1453.0	511.6	540.2	548.1	502.1	493.3	505.2	516.4	510.8	508.4
47.5°	3255.4	1360.8	506.0	507.6	529.9	479.0	464.7	470.3	483.8	486.2	485.4
50°	3274.5	1282.2	499.7	480.6	475.8	456.0	444.9	443.3	459.2	470.3	471.9
52.5°	3238.0	1212.3	483.0	456.8	433.7	436.9	432.9	425.0	440.9	456.0	457.6
55°	3184.0	1172.5	456.8	433.7	406.7	419.4	421.0	413.9	424.2	434.5	434.5
57.5°	*3187.9*	*1195.6*	*431.4*	*412.3*	*382.9*	*399.6*	*408.3*	*405.1*	*405.1*	*413.1*	*413.9*
60°	3214.1	1228.9	414.7	385.3	359.1	376.5	396.4	393.2	386.1	396.4	396.4
62.5°	3138.7	1184.4	403.6	359.1	333.6	354.3	378.1	376.5	368.6	385.3	386.9
65°	2916.2	1065.3	390.8	326.5	308.2	332.1	352.7	358.3	351.1	373.4	377.3
67.5°	2444.4	896.1	366.2	295.5	282.8	305.0	324.9	332.9	327.3	353.5	356.7
70°	1822.4	725.3	327.3	261.4	251.8	271.7	290.0	293.1	293.9	324.9	328.1
72.5°	1162.2	564.0	275.7	223.2	216.1	231.2	244.7	257.4	262.9	292.3	291.5
75°	648.2	419.4	221.6	189.1	176.4	188.3	204.2	219.3	235.1	278.0	282.8
77.5°	373.4	294.7	175.6	151.7	136.6	149.3	162.9	184.3	232.0	269.3	264.5
80°	210.5	191.5	132.7	111.2	101.7	111.2	121.5	162.1	182.7	198.6	201.0
82.5°	98.5	107.2	90.6	68.3	68.3	74.7	84.2	125.5	138.2	112.8	98.5
85°	35.7	48.5	44.5	35.0	31.0	30.2	52.4	71.5	44.5	39.7	34.2
87.5°	9.5	13.5	12.7	8.7	4.8	4.0	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

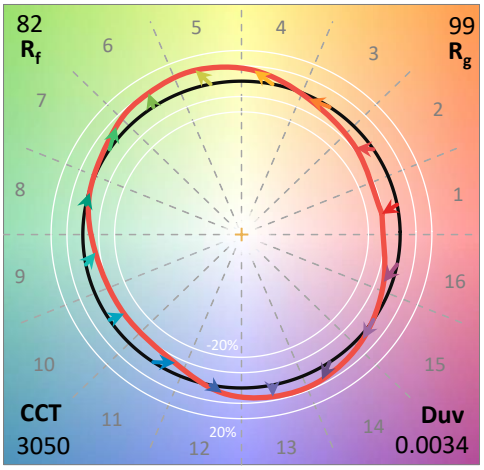
Test Information

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

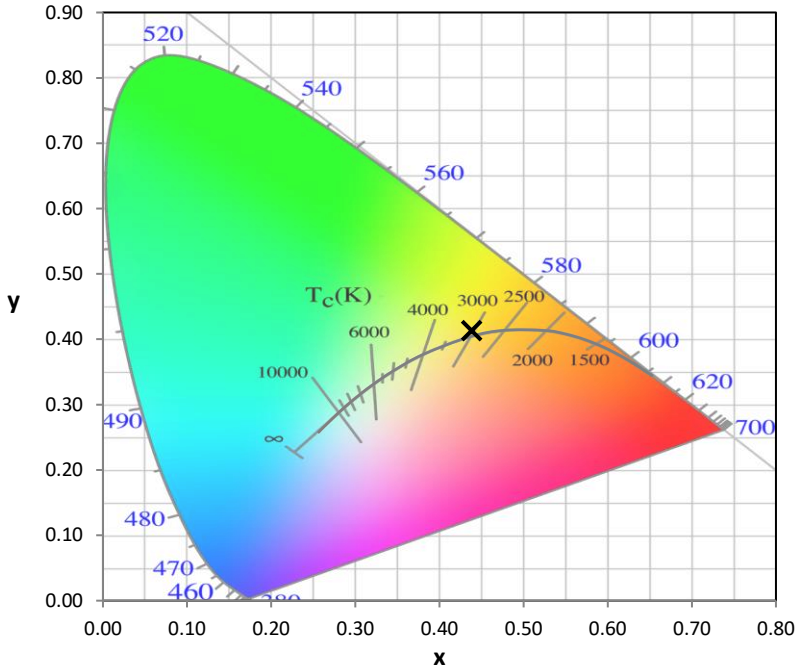
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

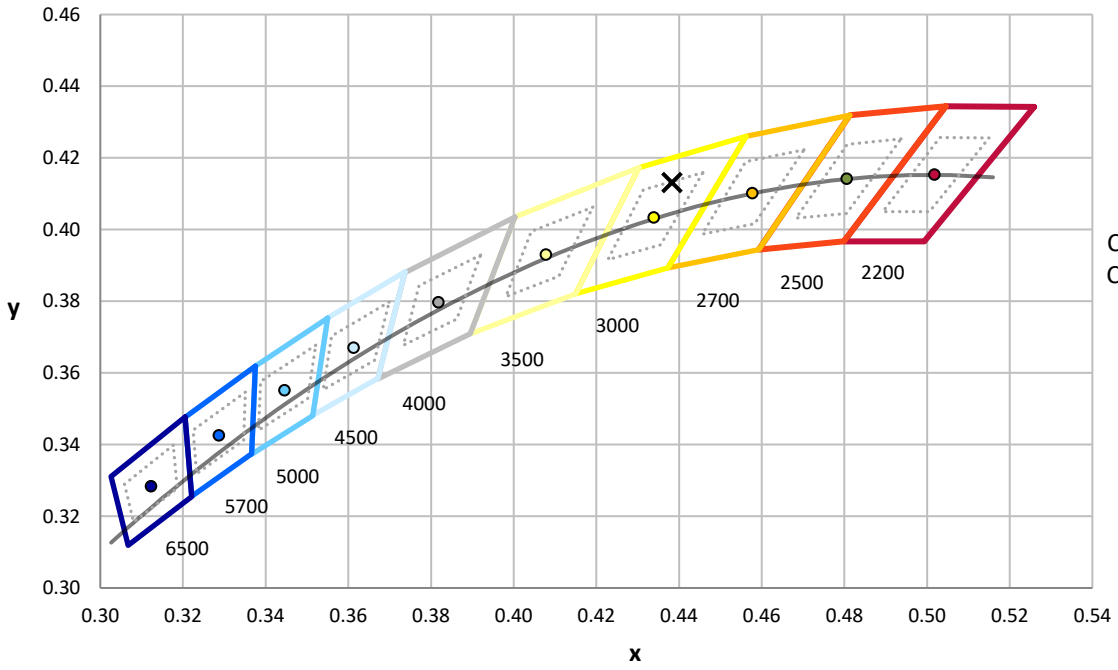
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

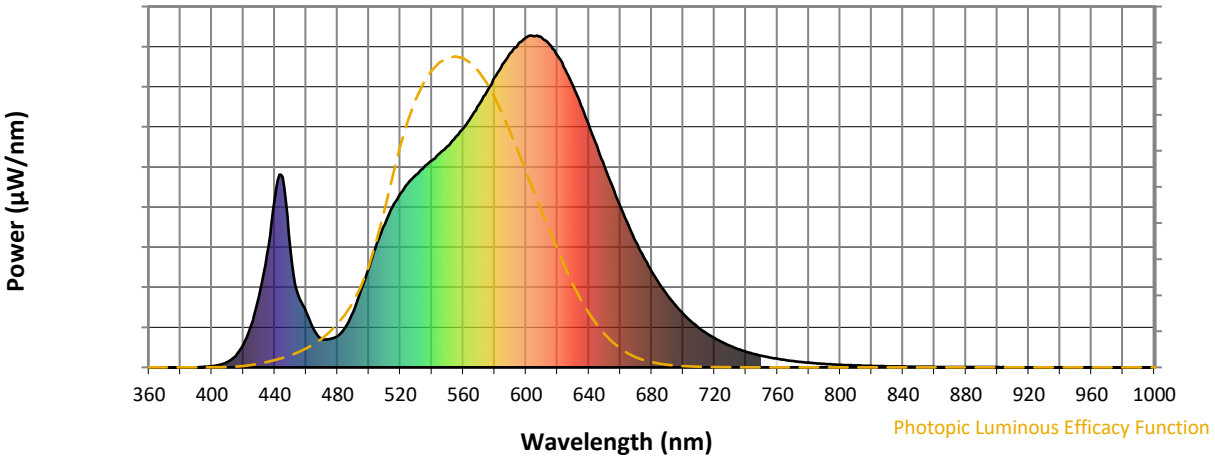


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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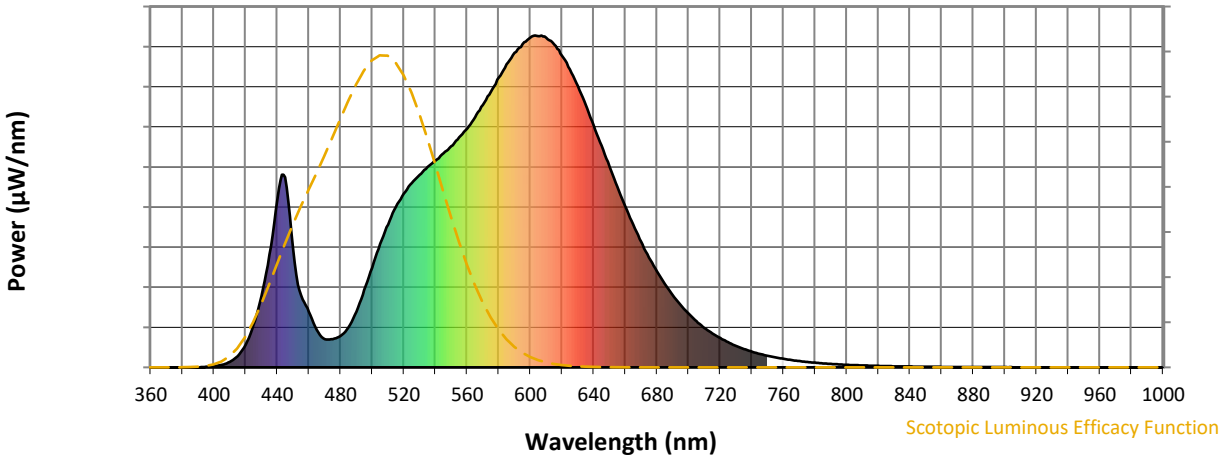
Scotopic Flux vs. Wavelength



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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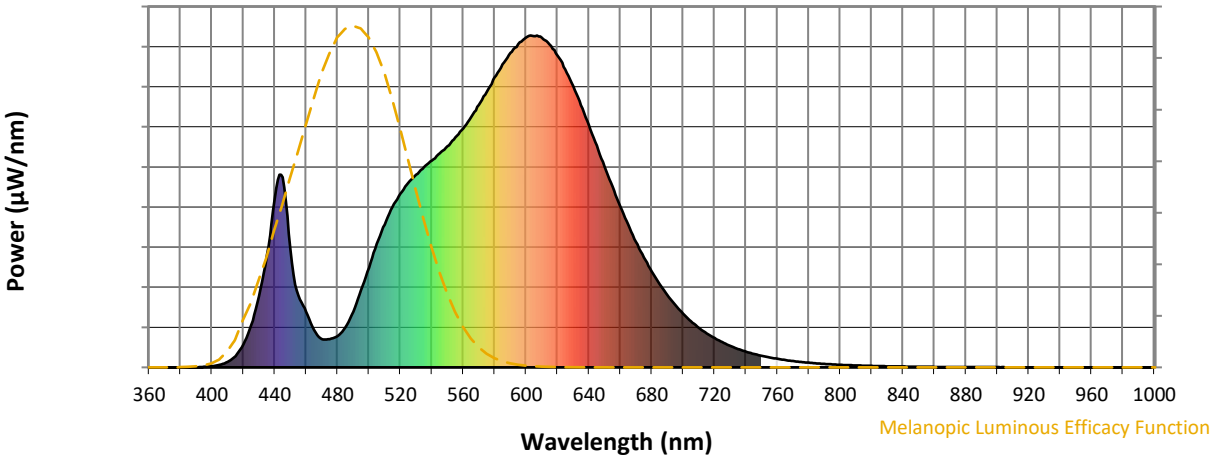
Melanopic Flux vs. Wavelength



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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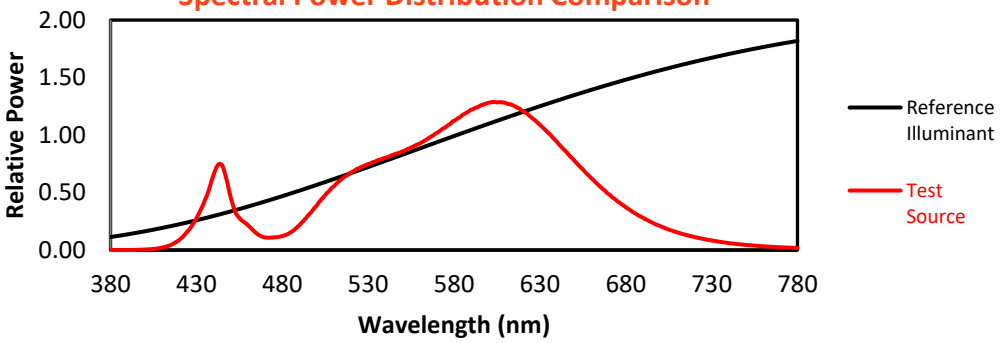
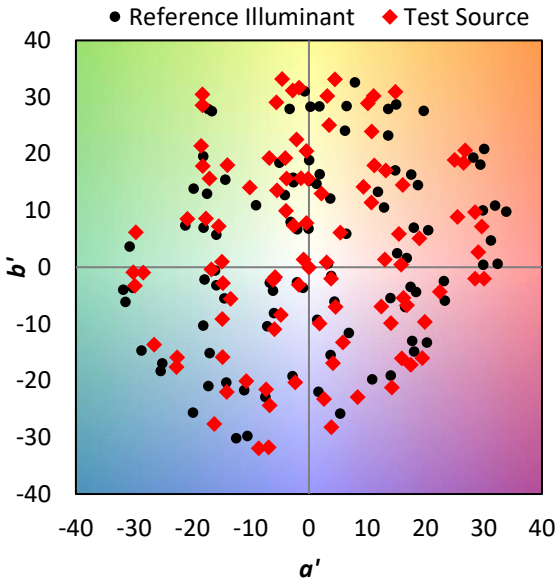
Summary

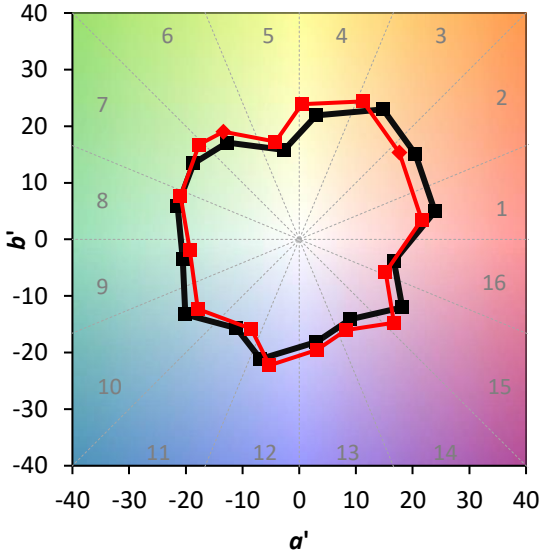
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

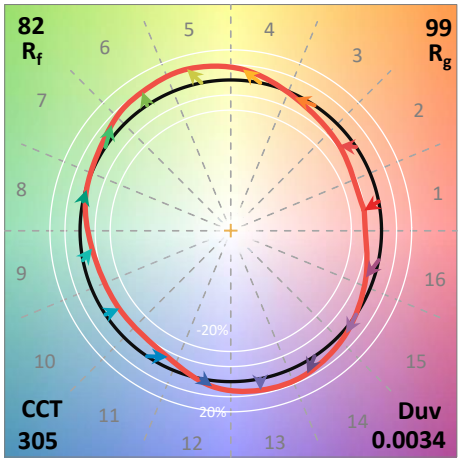
Spectral Power Distribution Comparison

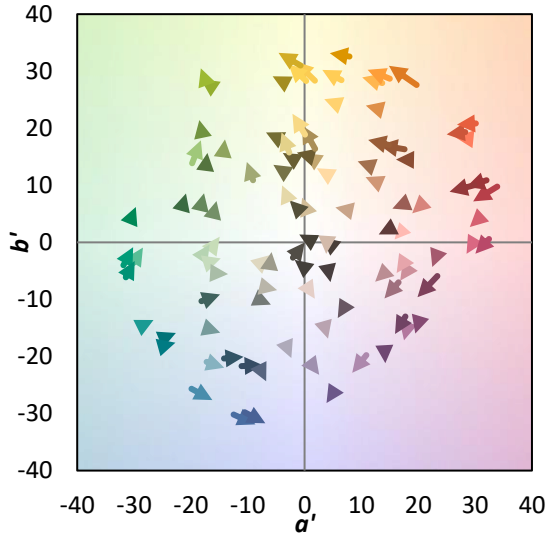


Color Vector Graphics









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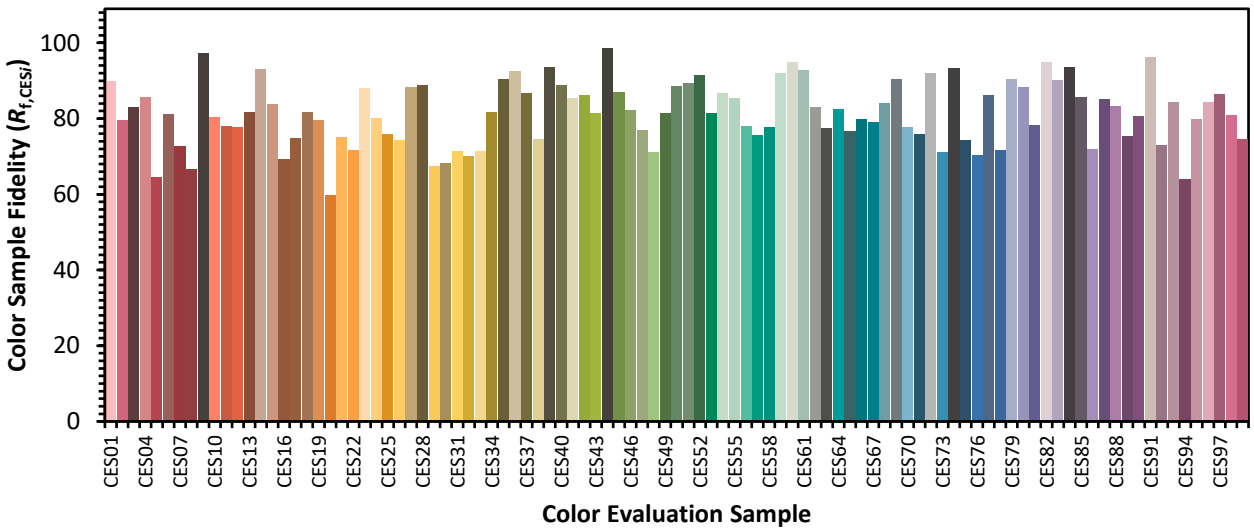
Individual Sample Fidelity Index ($R_{f,i}$)

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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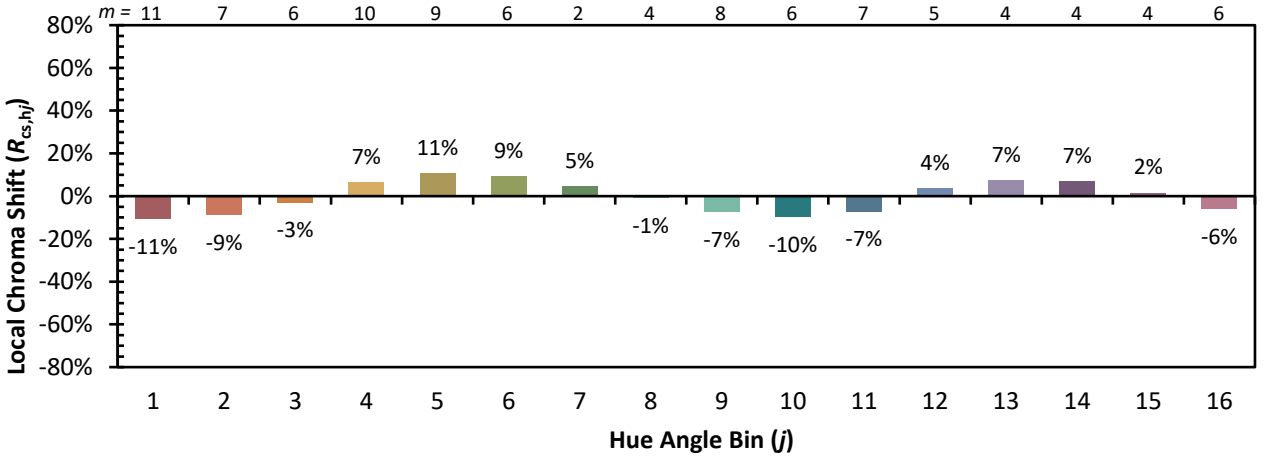
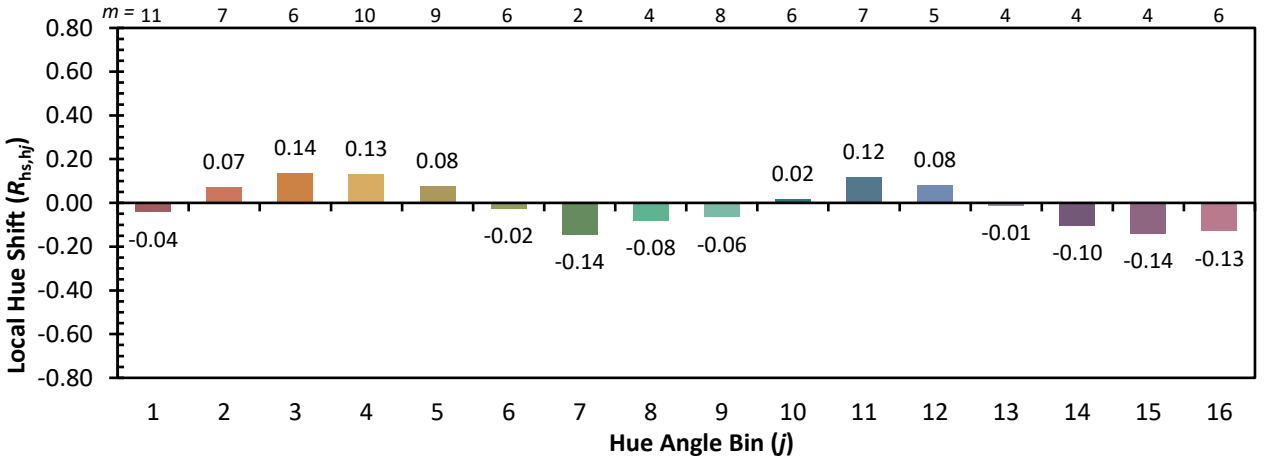
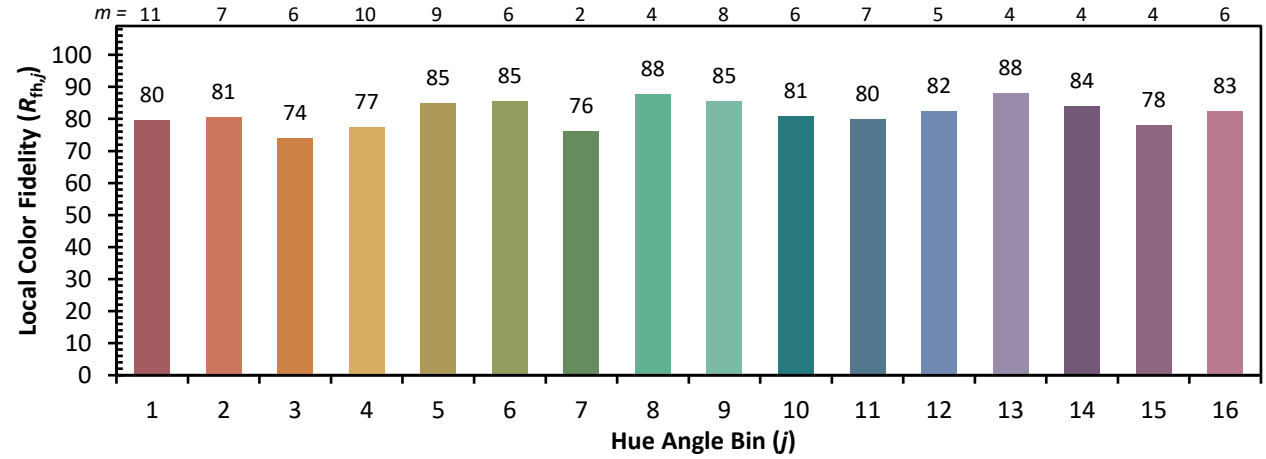
Color Rendition by Hue-Angle Bin







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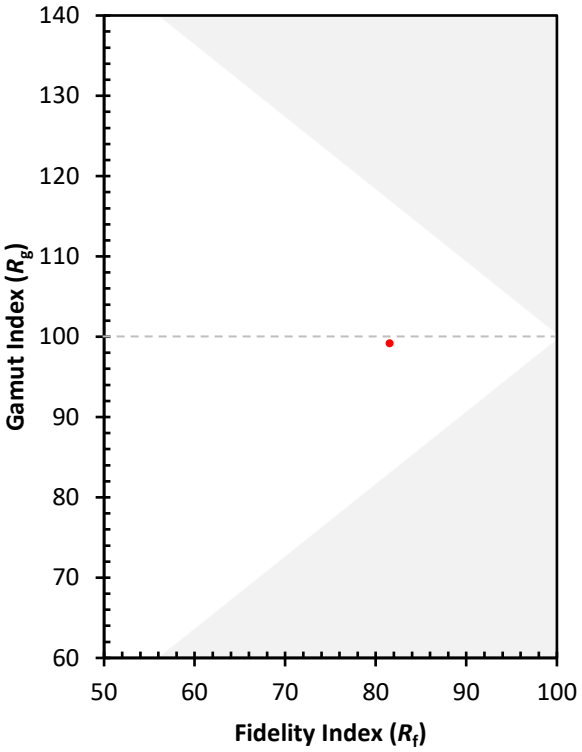
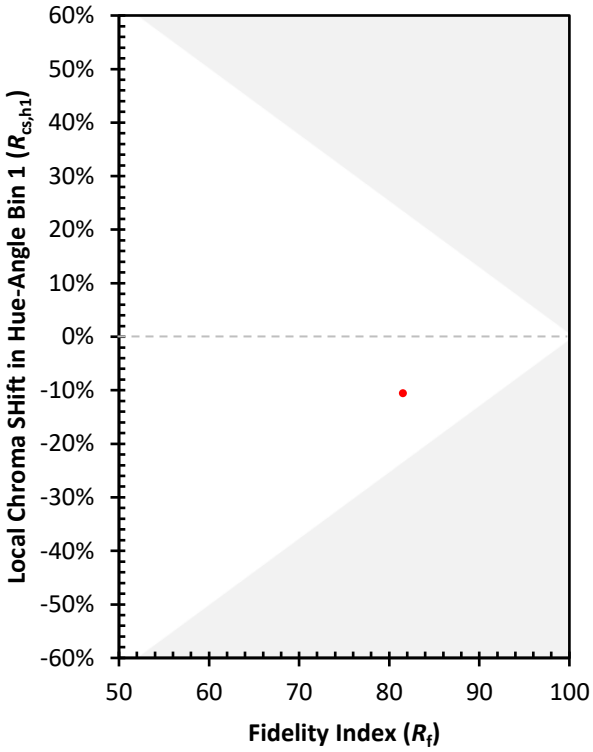
Measure Comparisons





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