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: P642453

Luminaire Tested: GWS-SA6C-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:	P642453
	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-SA6C-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:	19852 lumens
Efficiency:	N/A
Efficacy:	104.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	189.2
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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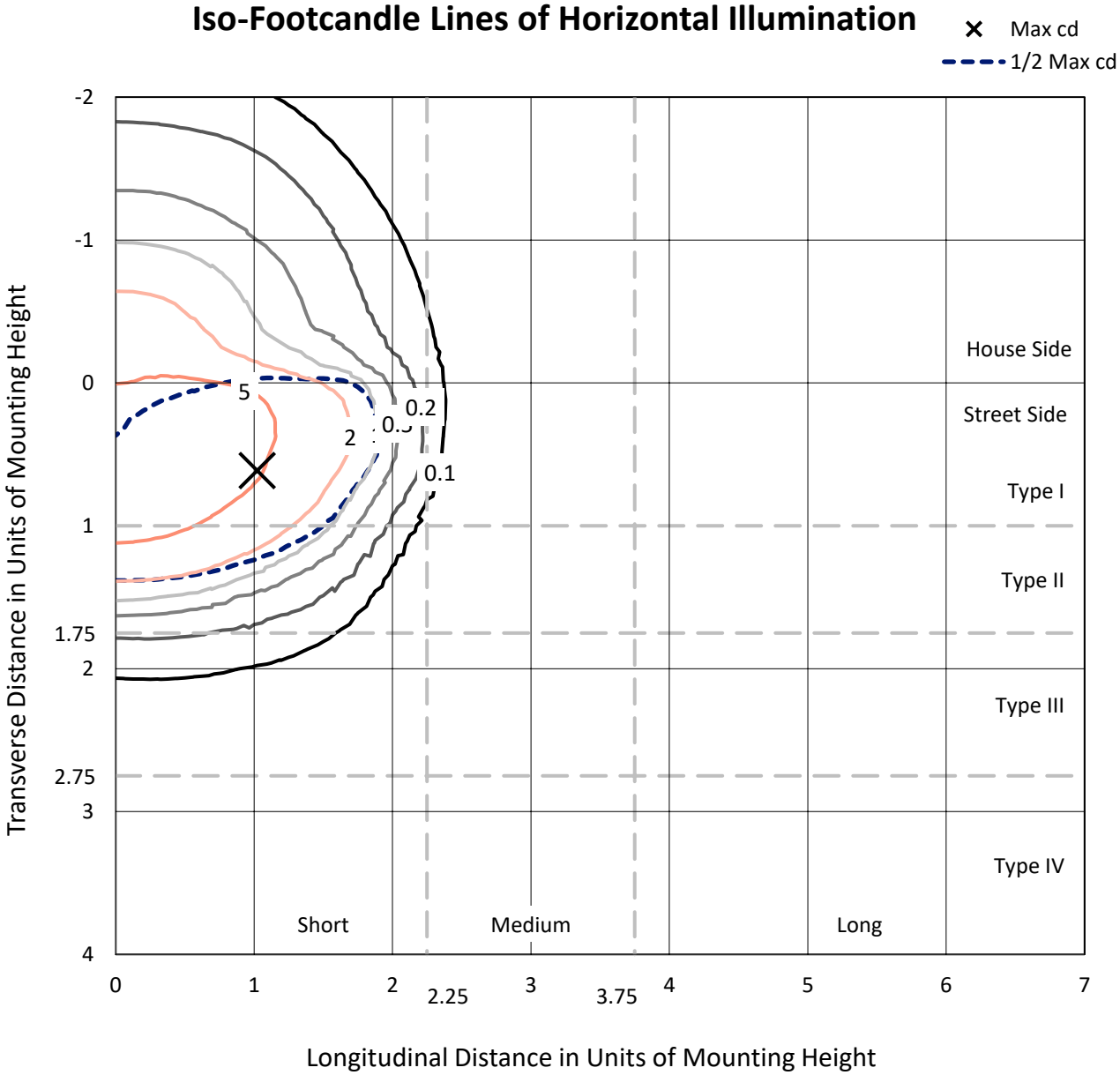
Scaled Data Report

REPORT NUMBER: P642453
CATALOG NUMBER: GWS-SA6C-830-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
Type II - Short - N/A

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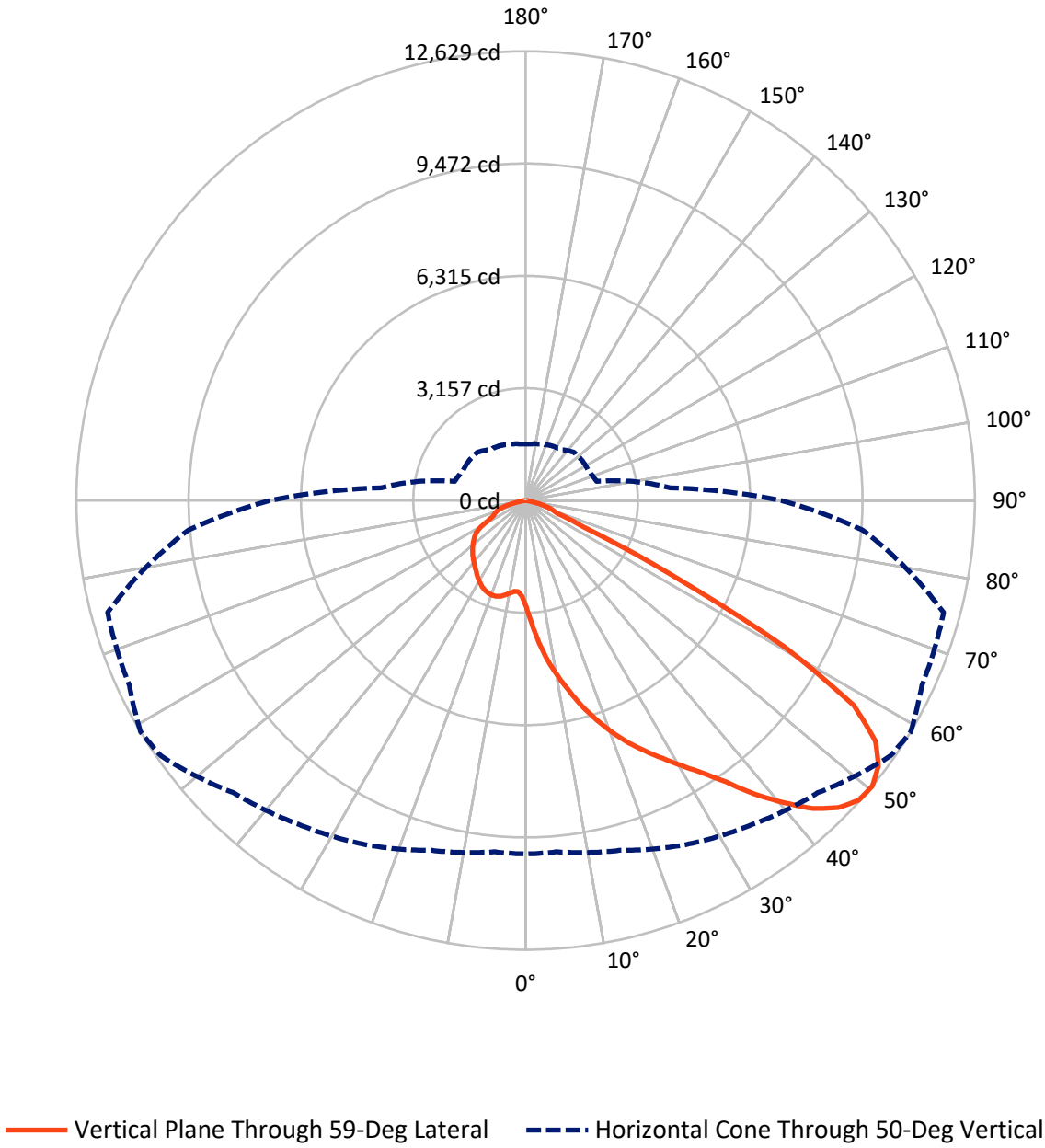
Luminous Intensity Polar Plot



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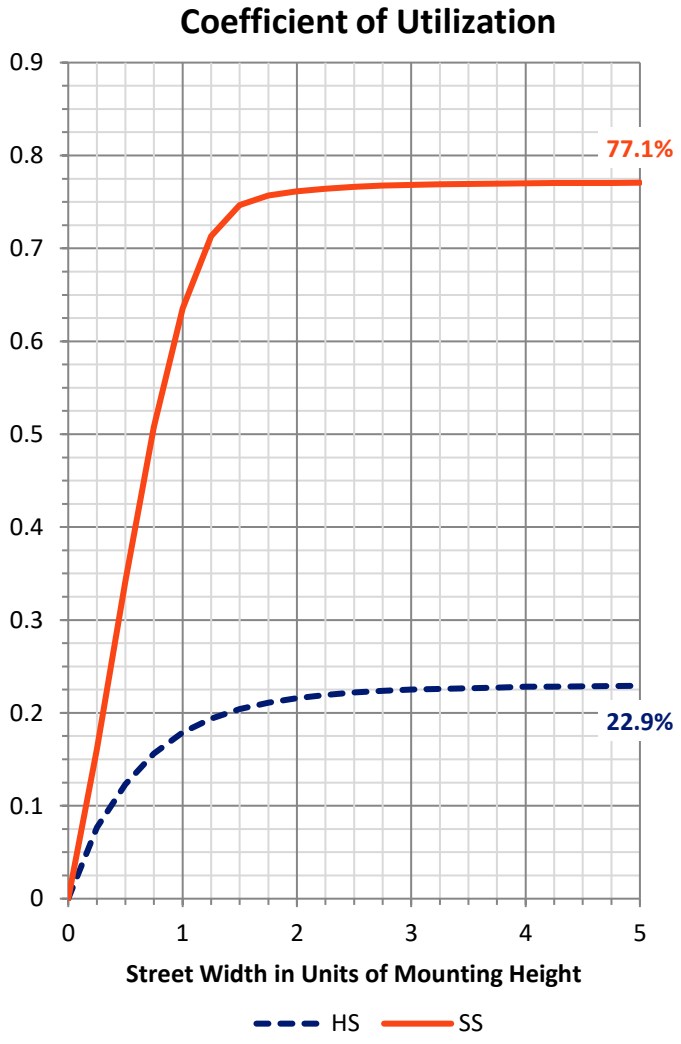
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4566.3	0.0	4566.3
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	15285.7	0.0	15285.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	19852.0	0.0	19852.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.4	1.7
10°-20°	1224.9	6.2
20°-30°	2319.4	11.7
30°-40°	3846.3	19.4
40°-50°	5254.3	26.5
50°-60°	4769.5	24.0
60°-70°	1588.3	8.0
70°-80°	463.2	2.3
80°-90°	48.7	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°	19852.0	100.0
0°-180°	19852.0	100.0



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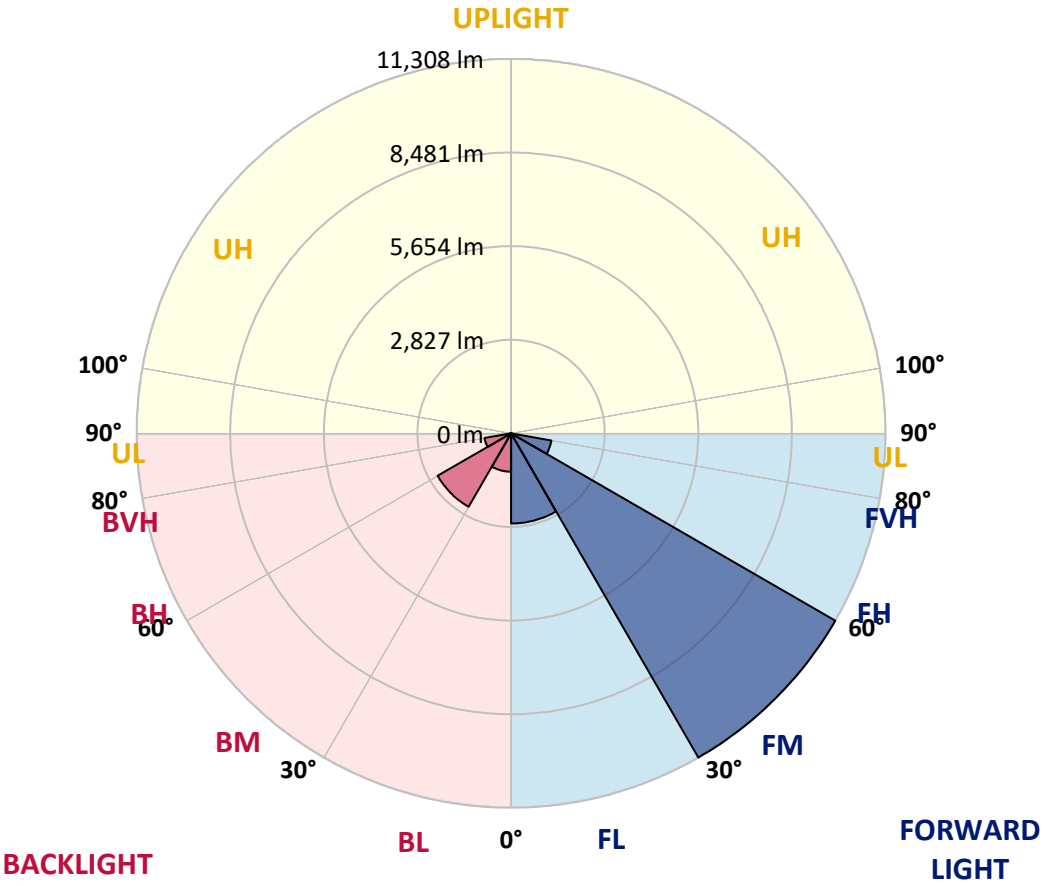
REPORT NUMBER: P642453
CATALOG NUMBER: GWS-SA6C-830-U-T2R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2722.2	13.7			
FM	(30°-60°)	11307.9	57.0			
FH	(60°-80°)	1236.5	6.2			G1/1800
FVH	(80°-90°)	19.0	0.1			G1/100
BL	(0°-30°)	1159.5	5.8	B3/2500		
BM	(30°-60°)	2562.2	12.9	B3/5000		
BH	(60°-80°)	815.0	4.1	B2/1000		G2/1000
BVH	(80°-90°)	29.6	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-G2
Type II Short



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REPORT NUMBER: P642453
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3007.7	3007.7	3007.7	3007.7	3007.7	3007.7	3007.7	*3007.7*	3007.7	3007.7	3007.7
2.5°	3897.1	3926.2	3880.9	3884.2	3771.0	3719.2	3573.7	*3488.0*	3431.4	3272.9	3129.0
5°	4683.0	4649.0	4613.5	4592.4	4493.8	4354.7	4173.6	*4029.7*	3897.1	3586.6	3287.5
7.5°	5164.9	5147.1	5122.8	5109.9	5012.9	4867.3	4686.2	*4563.3*	4370.9	3950.5	3479.9
10°	5574.0	5553.0	5538.4	5548.1	5468.9	5375.1	5177.8	*5037.1*	4820.4	4335.3	3712.8
12.5°	5890.9	5902.2	5907.1	5958.8	5924.9	5868.3	5664.5	*5515.8*	5274.8	4741.2	3986.0
15°	6141.6	6138.3	6194.9	6293.6	6348.5	6313.0	6149.7	*6025.1*	5730.8	5140.6	4280.3
17.5°	6199.8	6203.0	6292.0	6465.0	6644.5	6731.8	6639.6	*6490.9*	6199.8	5535.2	4586.0
20°	6246.7	6253.1	6345.3	6542.6	6804.6	7048.7	7063.3	*6956.6*	6705.9	5962.1	4896.4
22.5°	6542.6	6557.1	6581.4	6705.9	6942.0	7250.9	7420.7	*7398.0*	7187.8	6410.0	5231.2
25°	7320.4	7276.7	7158.7	7123.1	7213.7	7464.3	7753.8	*7797.4*	7693.9	6903.2	5591.8
27.5°	8280.9	8234.0	8059.4	7875.0	7679.4	7766.7	8075.6	*8206.5*	8208.2	7446.5	5954.0
30°	9152.5	9115.3	8973.0	8709.4	8371.5	8245.4	8473.4	*8649.6*	8754.7	8073.9	6366.3
32.5°	9898.0	9864.0	9671.6	9456.5	9126.6	8872.8	8955.2	*9125.0*	9370.8	8885.7	6878.9
35°	10525.4	10491.4	10307.1	10090.4	9784.8	9632.8	9603.7	*9720.1*	10038.7	9733.0	7467.6
37.5°	11034.8	11000.8	10808.4	10604.6	10371.8	10381.5	10425.1	*10481.7*	10664.5	10640.2	8096.6
40°	11364.6	11329.1	11191.6	11046.1	10898.9	11015.4	11232.0	*11164.1*	11261.2	11372.7	8675.5
42.5°	11511.8	11466.5	11387.3	11354.9	11309.7	11490.8	11908.0	*11840.1*	11723.6	11861.1	9105.6
45°	11364.6	11325.8	11324.2	11422.9	11528.0	11760.8	12375.3	*12320.3*	12026.0	12097.2	9362.7
47.5°	10913.5	10879.5	10971.7	11230.4	11489.2	11828.7	12583.9	*12593.6*	12241.1	12195.8	9529.3
50°	*9938.4*	*9915.8*	*10182.6*	*10672.5*	*11118.9*	*11616.9*	*12517.6*	*12629.2*	*12292.8*	*12165.1*	*9508.3*
52.5°	7955.9	8061.0	8641.5	9459.8	10326.5	11245.0	12271.8	*12417.3*	12043.8	11963.0	9395.1
55°	5446.2	5494.7	6075.3	7270.3	8644.8	10439.7	11707.5	*11932.2*	11749.5	11929.0	9513.1
57.5°	2820.1	2858.9	3316.6	4377.4	5863.4	8250.2	10140.5	*10877.9*	11156.0	12100.4	9880.2
60°	1157.8	1190.2	1379.3	1892.0	2957.6	4804.3	7297.8	*8390.9*	9044.2	11050.9	8774.1
62.5°	840.9	857.0	947.6	1128.7	1549.1	2354.4	4130.0	*4532.6*	4991.8	6925.8	5570.7
65°	708.3	726.1	798.8	908.8	1130.3	1444.0	1764.2	*1773.9*	1955.0	2821.8	2065.0
67.5°	593.5	609.6	674.3	768.1	913.6	1025.2	947.6	*949.2*	946.0	1023.6	989.6
70°	462.5	475.4	540.1	640.4	716.4	658.1	740.6	*819.8*	785.9	816.6	863.5
72.5°	338.0	352.5	409.1	485.1	465.7	468.9	599.9	*680.8*	661.4	695.3	739.0
75°	244.2	253.9	283.0	242.6	255.5	308.9	422.1	*465.7*	485.1	514.2	553.0
77.5°	79.2	79.2	88.9	111.6	139.1	171.4	215.1	*232.9*	262.0	294.3	321.8
80°	40.4	42.0	50.1	61.4	77.6	98.6	126.1	*134.2*	148.8	166.6	177.9
82.5°	19.4	21.0	24.3	30.7	40.4	51.7	69.5	*77.6*	87.3	98.6	106.7
85°	4.9	4.9	6.5	9.7	12.9	19.4	25.9	*30.7*	38.8	46.9	51.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	4.9	*6.5*	8.1	9.7	12.9
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: P642453
CATALOG NUMBER: GWS-SA6C-830-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3007.7	3007.7	3007.7	3007.7	3007.7	3007.7	3007.7	3007.7	3007.7	3007.7	3007.7
2.5°	3064.3	2973.8	2857.3	2758.7	2668.1	2598.6	2538.8	2509.7	2482.2	2462.8	2469.2
5°	3148.4	2993.2	2776.5	2626.1	2533.9	2487.0	2454.7	2438.5	2435.3	2422.3	2417.5
7.5°	3271.3	3049.8	2760.3	2608.3	2546.9	2522.6	2504.8	2495.1	2500.0	2487.0	2482.2
10°	3423.3	3143.6	2800.7	2666.5	2613.2	2595.4	2576.0	2563.0	2556.6	2537.2	2533.9
12.5°	3612.5	3260.0	2873.5	2740.9	2687.5	2656.8	2630.9	2608.3	2593.8	2569.5	2563.0
15°	3816.2	3389.3	2959.2	2813.7	2750.6	2705.3	2663.3	2629.3	2603.5	2571.1	2566.3
17.5°	4037.8	3525.2	3030.4	2863.8	2782.9	2723.1	2661.7	2611.5	2576.0	2533.9	2529.1
20°	4269.0	3662.6	3083.7	2888.1	2784.6	2703.7	2621.2	2554.9	2509.7	2467.6	2464.4
22.5°	4508.3	3788.8	3116.1	2881.6	2758.7	2658.4	2559.8	2485.4	2432.0	2381.9	2378.7
25°	4749.3	3910.0	3124.1	2855.7	2706.9	2590.5	2491.9	2404.6	2344.7	2288.1	2281.7
27.5°	4993.5	4011.9	3104.7	2804.0	2637.4	2511.3	2412.6	2326.9	2265.5	2208.9	2199.2
30°	5253.8	4099.2	3062.7	2736.1	2556.6	2427.2	2330.2	2265.5	2207.3	2150.7	2141.0
32.5°	5531.9	4175.2	3002.9	2653.6	2462.8	2343.1	2272.0	2213.7	2155.5	2105.4	2095.7
35°	5863.4	4225.4	2913.9	2546.9	2375.5	2281.7	2233.2	2165.2	2094.1	2039.1	2034.3
37.5°	6206.2	4264.2	2807.2	2445.0	2299.4	2246.1	2205.7	2113.5	2024.6	1958.3	1950.2
40°	6537.7	4296.5	2674.6	2349.6	2229.9	2220.2	2165.2	2050.4	1896.8	1822.4	1816.0
42.5°	6846.6	4306.2	2535.5	2247.7	2166.9	2162.0	2100.6	1922.7	1804.6	1757.7	1751.3
45°	7058.4	4298.1	2391.6	2152.3	2103.8	2077.9	2013.2	1830.5	1757.7	1715.7	1707.6
47.5°	7215.3	4256.1	2229.9	2052.0	2032.6	1997.1	1858.0	1772.3	1704.4	1662.3	1654.2
50°	*7187.8*	*4081.4*	*2066.6*	*1955.0*	*1946.9*	*1916.2*	*1744.8*	*1699.5*	*1639.7*	*1594.4*	*1587.9*
52.5°	7045.5	3749.9	1900.0	1848.3	1864.5	1804.6	1663.9	1612.2	1560.5	1508.7	1497.4
55°	7081.1	3510.6	1773.9	1744.8	1773.9	1638.1	1573.4	1518.4	1469.9	1419.8	1410.1
57.5°	7236.3	3274.5	1639.7	1633.2	1663.9	1510.3	1457.0	1387.4	1317.9	1277.5	1277.5
60°	6076.9	2386.8	1403.6	1419.8	1489.3	1406.8	1359.9	1288.8	1212.8	1177.2	1177.2
62.5°	3593.1	1497.4	1164.3	1146.5	1190.2	1241.9	1267.8	1209.6	1119.0	1072.1	1073.7
65°	1583.1	1089.9	1026.8	1012.3	999.3	1034.9	1106.1	1110.9	1015.5	960.5	962.1
67.5°	975.1	986.4	960.5	949.2	937.9	931.4	925.0	928.2	902.3	852.2	850.6
70°	879.7	910.4	892.6	882.9	868.4	857.0	818.2	755.2	711.5	698.6	713.1
72.5°	756.8	798.8	789.1	784.3	766.5	739.0	687.2	625.8	574.1	541.7	548.2
75°	570.8	604.8	609.6	611.2	591.8	566.0	512.6	460.9	415.6	381.6	389.7
77.5°	328.3	347.7	352.5	357.4	342.8	333.1	297.5	260.3	236.1	200.5	210.2
80°	182.7	190.8	190.8	192.4	184.3	173.0	148.8	127.7	116.4	100.3	101.9
82.5°	110.0	113.2	114.8	116.4	111.6	100.3	82.5	67.9	61.4	53.4	51.7
85°	53.4	56.6	56.6	58.2	50.1	43.7	34.0	25.9	22.6	16.2	17.8
87.5°	12.9	14.6	14.6	12.9	11.3	8.1	4.9	1.6	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

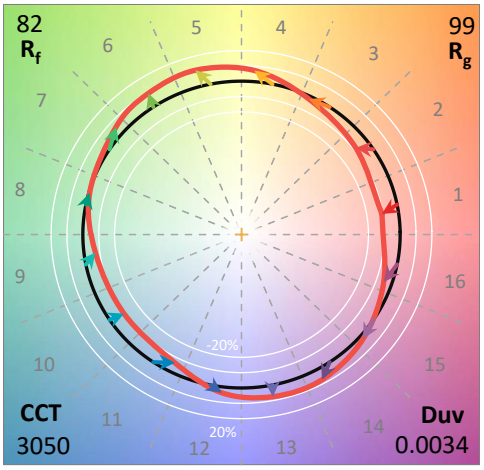
Test Information

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

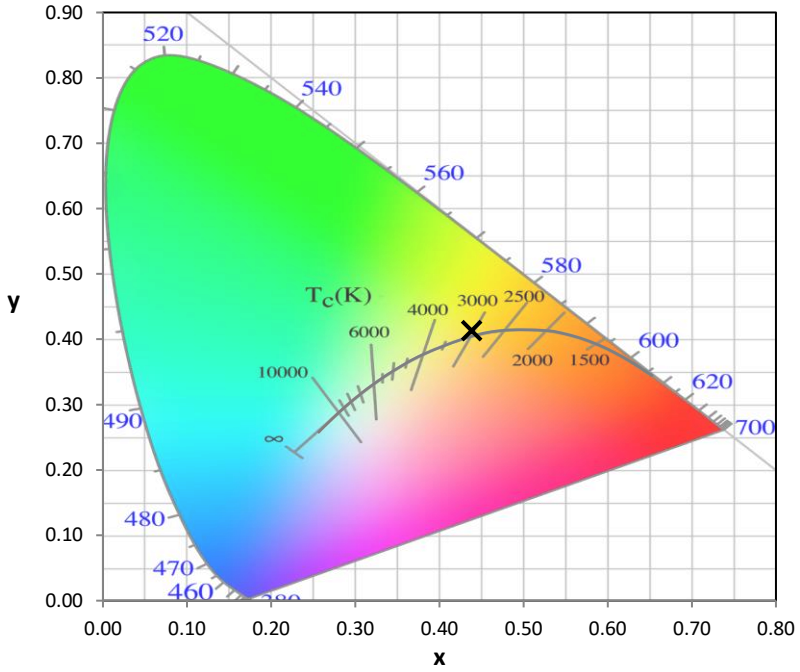
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

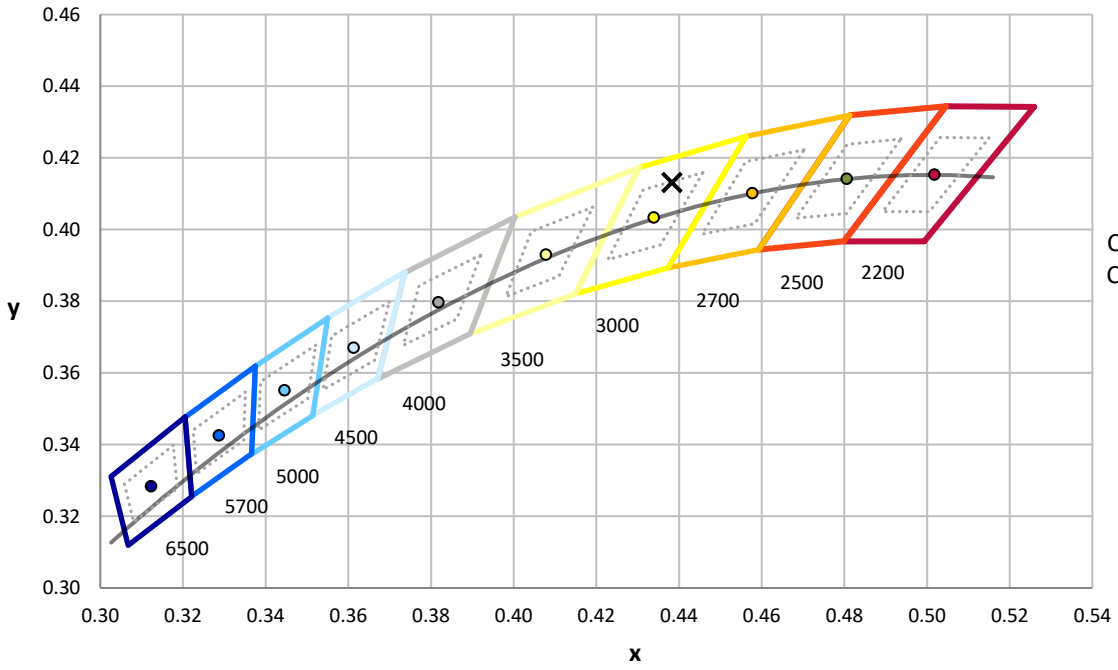
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

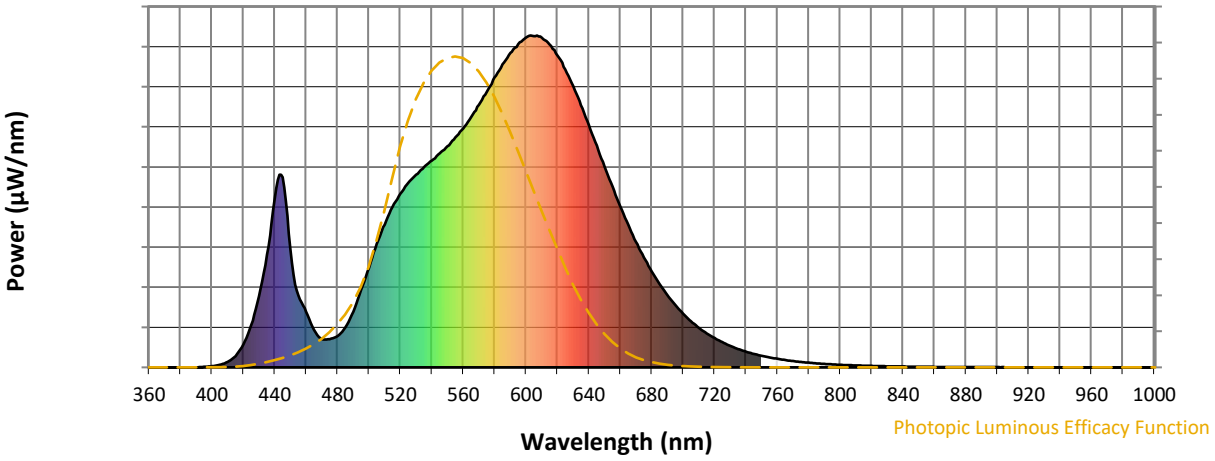


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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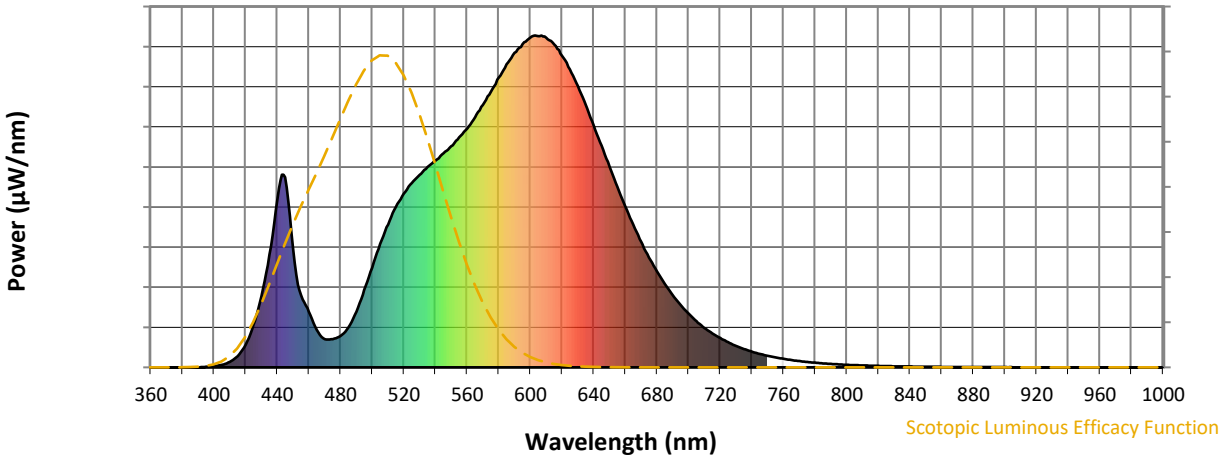
Scotopic Flux vs. Wavelength



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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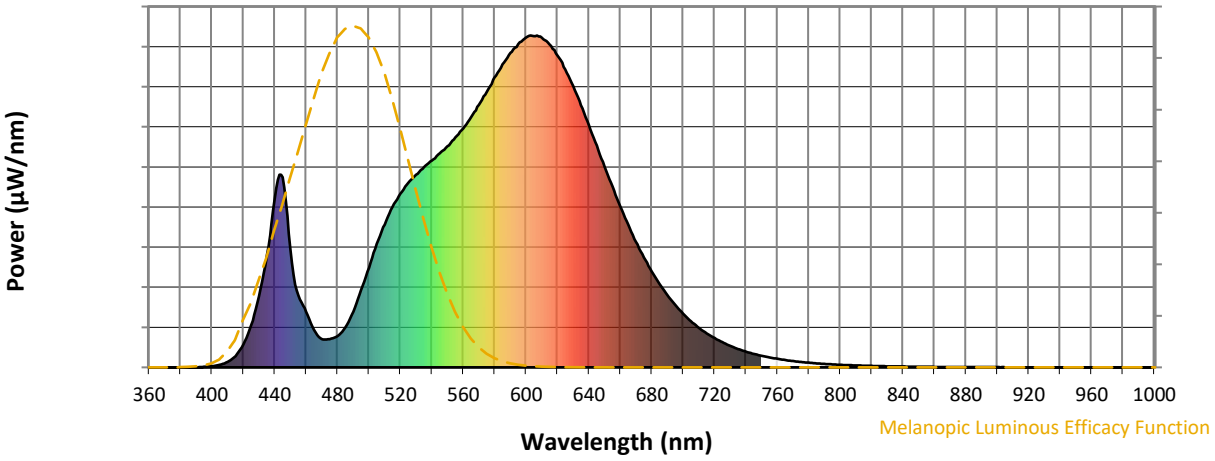
Melanopic Flux vs. Wavelength



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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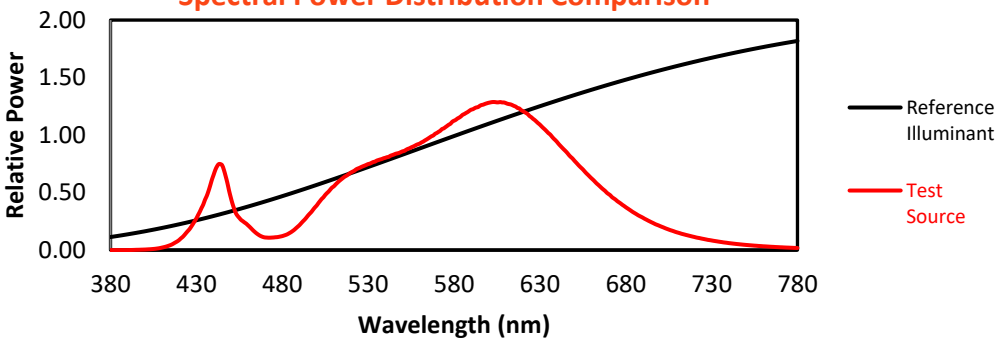
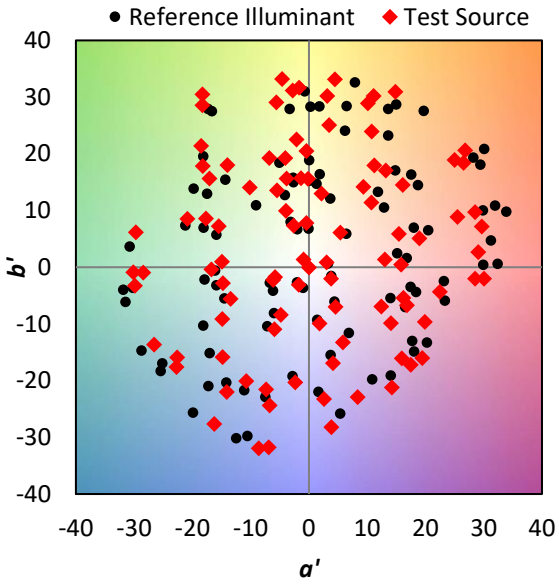
Summary

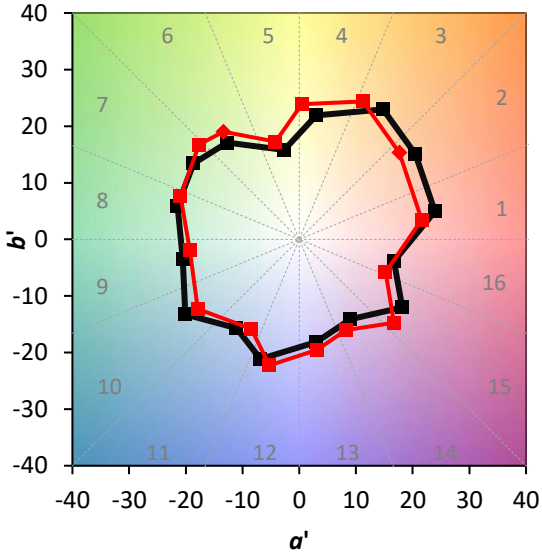
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

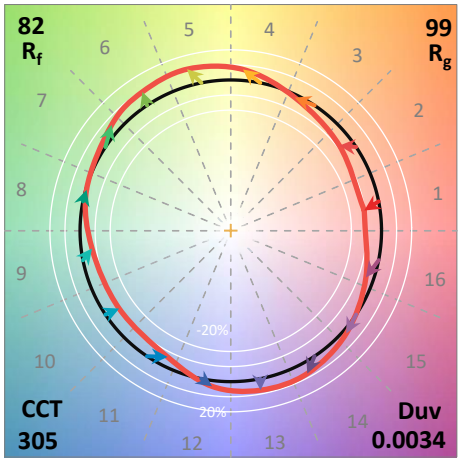
Spectral Power Distribution Comparison

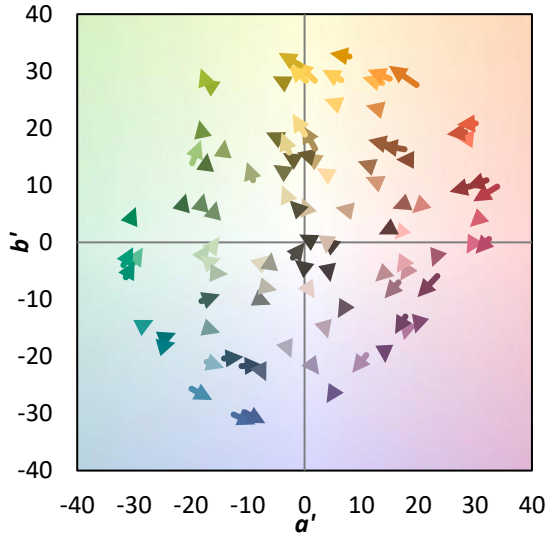


Color Vector Graphics









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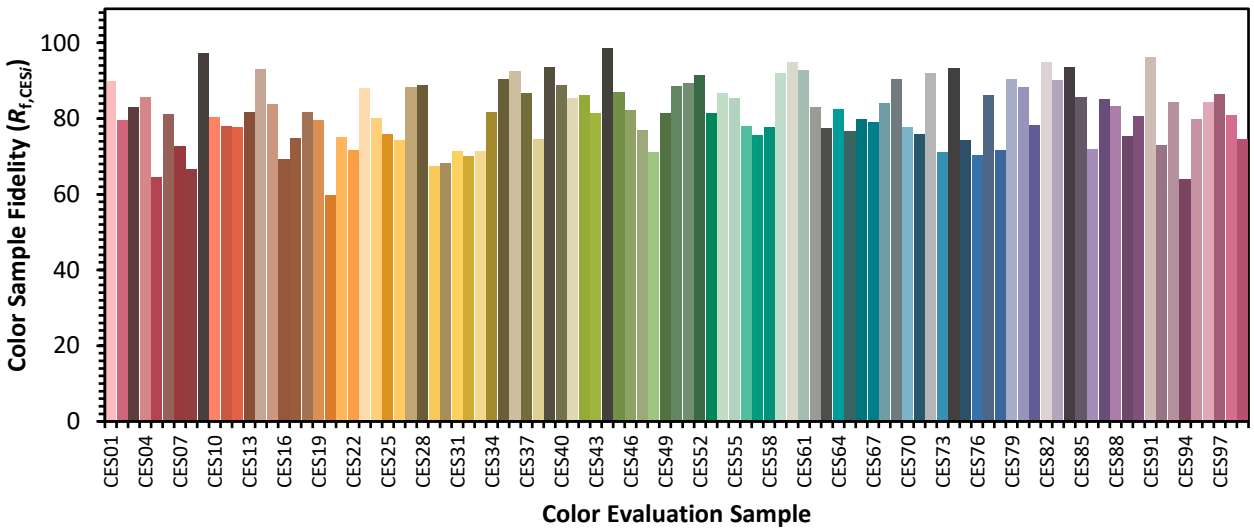
Individual Sample Fidelity Index ($R_{f,i}$)

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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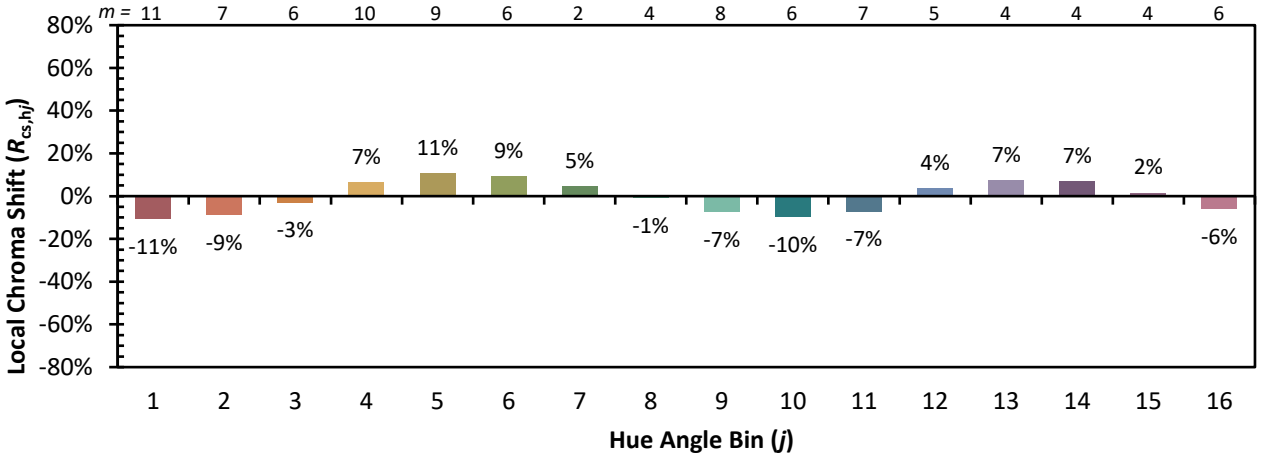
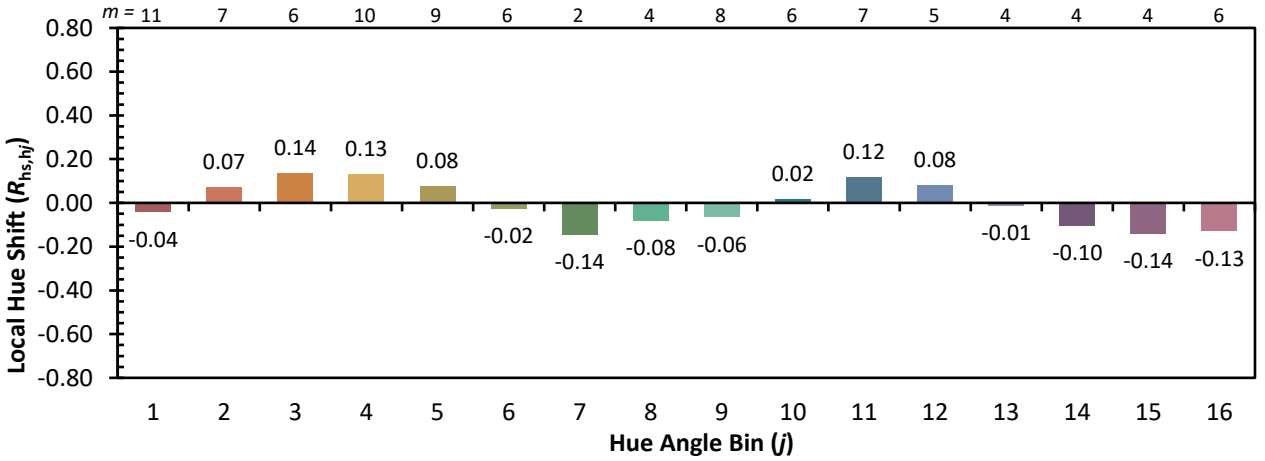
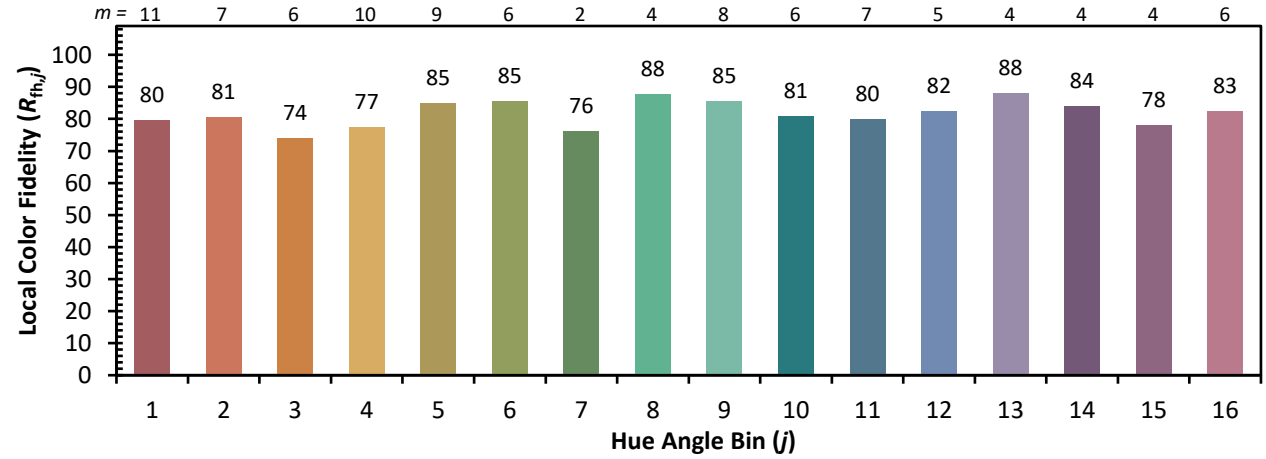
Color Rendition by Hue-Angle Bin







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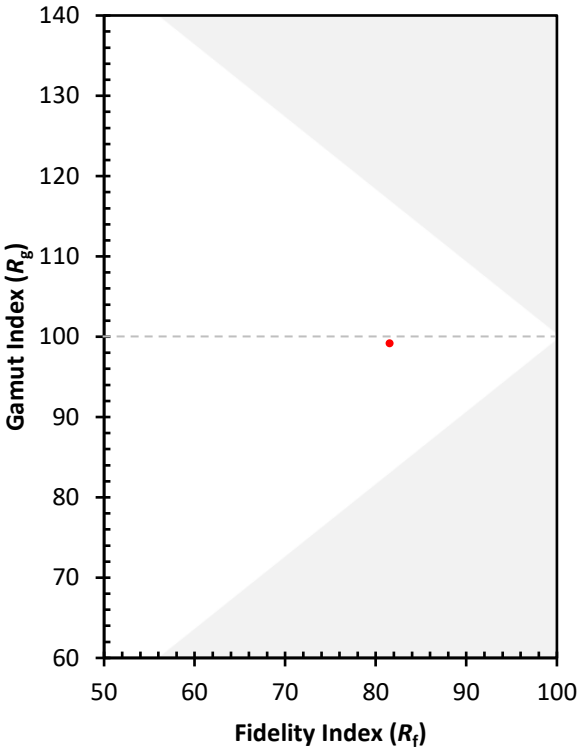
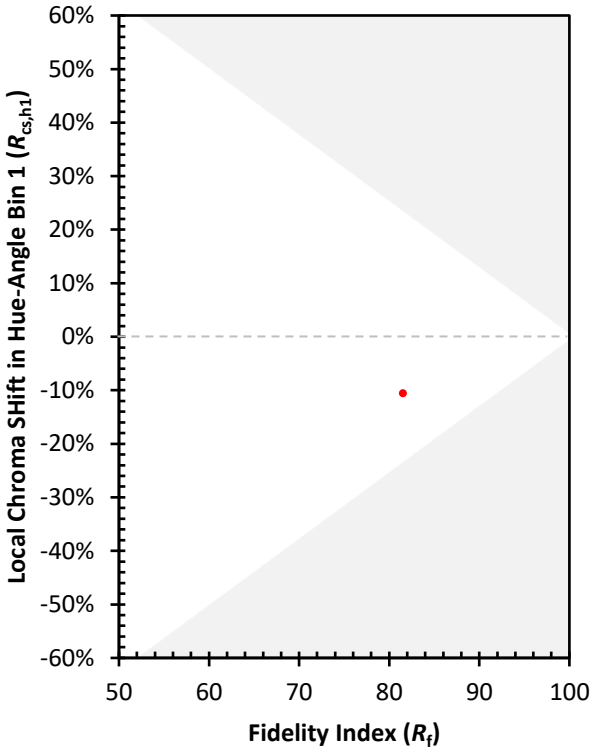
Measure Comparisons





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