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: P642451

Luminaire Tested: GWS-SA6C-830-U-T2-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:	P642451
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-T2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22379.4 lumens
Efficiency:	N/A
Efficacy:	118.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

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: P642451
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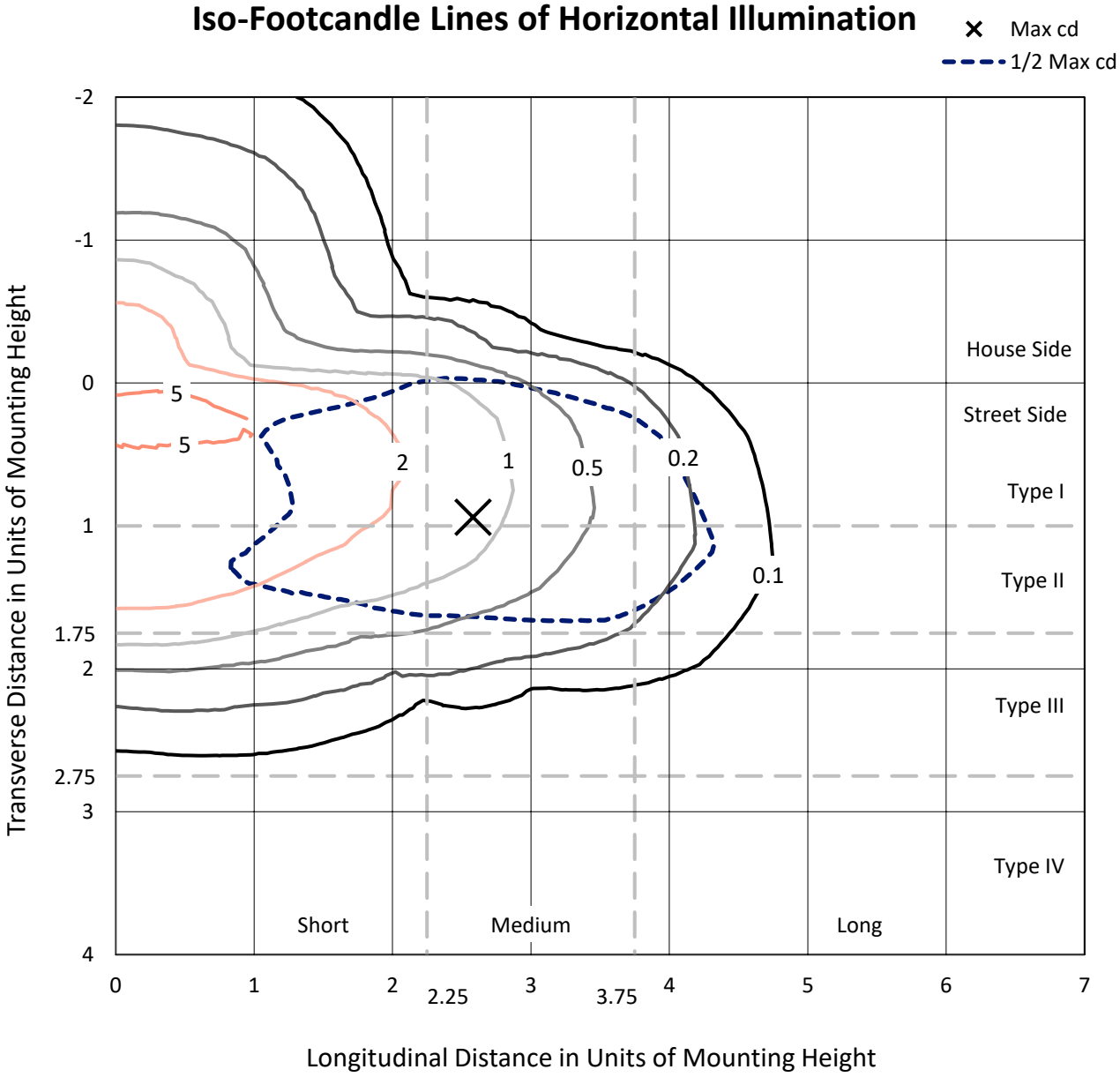
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6 fc
Type II - Medium - N/A

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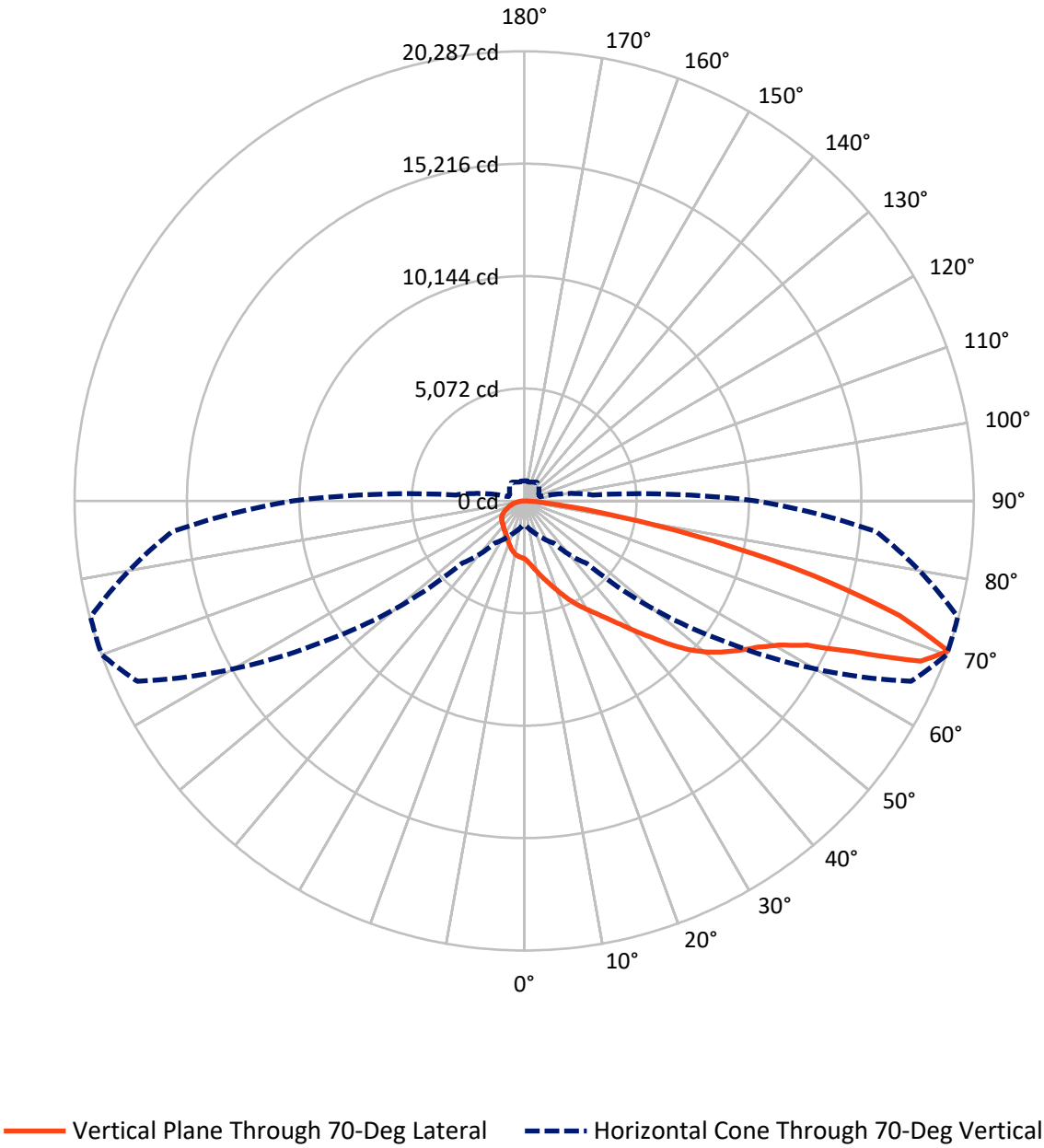
Luminous Intensity Polar Plot



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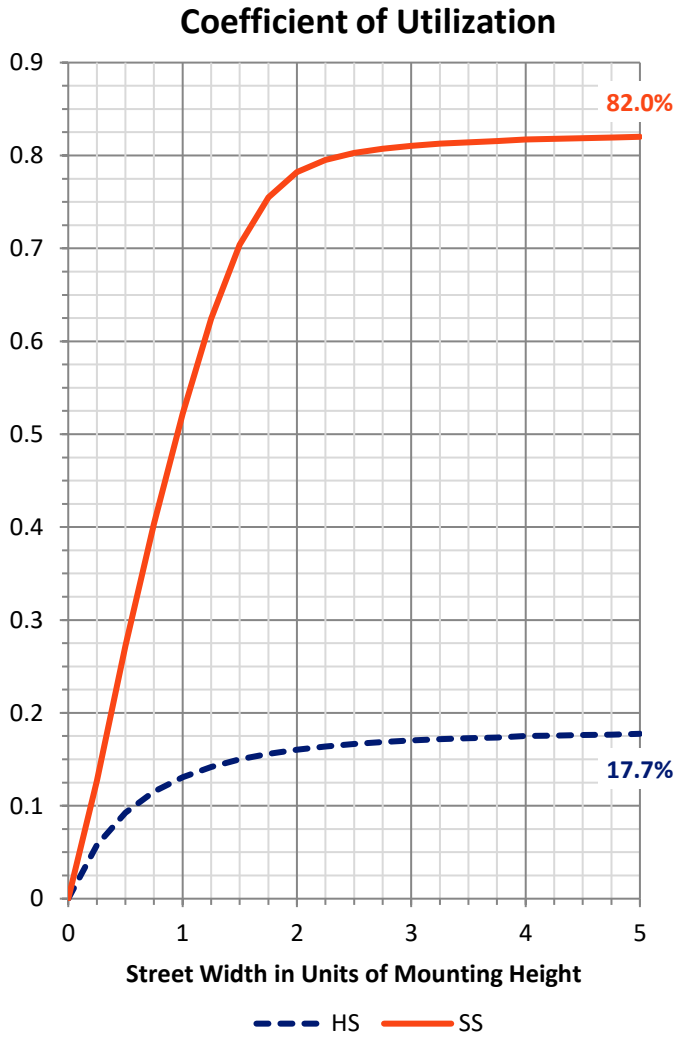
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4010.4	0.0	4010.4
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	18368.9	0.0	18368.9
	% Fixture	82.1	0.0	82.1
Total	Lumens	22379.4	0.0	22379.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.3	1.2
10°-20°	862.9	3.9
20°-30°	1528.7	6.8
30°-40°	2300.7	10.3
40°-50°	3480.7	15.6
50°-60°	4986.3	22.3
60°-70°	5511.8	24.6
70°-80°	3110.4	13.9
80°-90°	332.7	1.5
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°	22379.4	100.0
0°-180°	22379.4	100.0



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REPORT NUMBER: P642451
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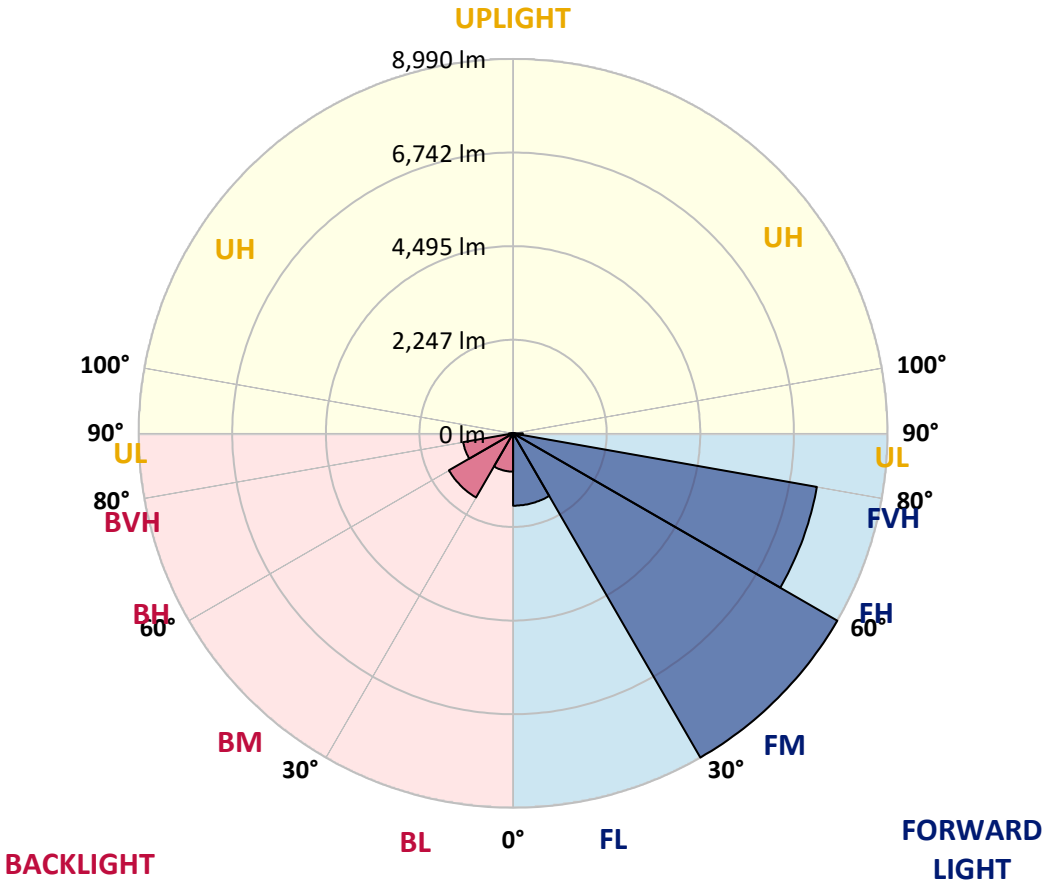
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1737.3	7.8			
FM	(30°-60°)	8989.8	40.2			
FH	(60°-80°)	7406.6	33.1			G3/7500
FVH	(80°-90°)	235.2	1.1			G3/500
BL	(0°-30°)	919.5	4.1	B2/1000		
BM	(30°-60°)	1777.9	7.9	B2/2500		
BH	(60°-80°)	1215.5	5.4	B3/2500		G3/2500
BVH	(80°-90°)	97.5	0.4			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 Medium



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Scaled Data Report

REPORT NUMBER: P642451
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2609.9	2609.9	2609.9	2609.9	2609.9	2609.9	2609.9	2609.9	*2609.9*	2609.9	2609.9
2.5°	2891.3	2886.4	2889.6	2886.4	2868.6	2825.0	2789.4	2744.1	*2713.4*	2695.6	2653.6
5°	3230.8	3226.0	3214.7	3198.5	3166.2	3106.3	3017.4	2918.8	*2858.9*	2813.6	2724.7
7.5°	3475.0	3475.0	3473.4	3454.0	3431.4	3368.3	3263.2	3133.8	*3046.5*	2968.9	2823.4
10°	3599.5	3607.6	3618.9	3646.4	3641.6	3607.6	3509.0	3369.9	*3260.0*	3169.4	2952.7
12.5°	3667.4	3672.3	3691.7	3748.3	3806.5	3814.6	3756.4	3610.8	*3491.2*	3369.9	3096.6
15°	3754.8	3756.4	3782.3	3850.2	3935.9	4021.6	4007.0	3861.5	*3738.6*	3604.4	3256.7
17.5°	3822.7	3834.0	3880.9	3960.1	4066.9	4184.9	4256.0	4165.5	*4013.5*	3859.9	3431.4
20°	3846.9	3855.0	3916.5	4037.7	4183.3	4349.8	4508.3	4484.1	*4330.4*	4149.3	3628.6
22.5°	3934.3	3934.3	3979.5	4081.4	4252.8	4495.4	4752.5	4815.5	*4679.7*	4467.9	3840.5
25°	4126.7	4120.2	4141.2	4183.3	4312.6	4611.8	4993.4	5182.6	*5030.6*	4792.9	4052.3
27.5°	4390.3	4387.0	4385.4	4391.9	4435.5	4713.7	5197.2	5525.4	*5373.4*	5105.0	4241.5
30°	4676.5	4666.8	4687.8	4668.4	4658.7	4834.9	5370.2	5832.7	*5714.6*	5413.8	4398.3
32.5°	5066.2	5048.4	5043.5	4980.5	4941.7	5024.1	5509.3	6181.9	*6088.2*	5747.0	4574.6
35°	5580.4	5564.2	5481.8	5381.5	5266.7	5305.5	5682.3	6523.1	*6529.6*	6164.2	4805.8
37.5°	6099.5	6102.7	6038.0	5801.9	5683.9	5661.3	5945.9	6938.7	*7077.8*	6662.2	5105.0
40°	6531.2	6550.6	6550.6	6301.6	6125.3	6104.3	6316.2	7431.9	*7708.4*	7273.4	5483.4
42.5°	6859.5	6877.3	6933.9	6754.4	6568.4	6641.2	6765.7	7926.7	*8423.2*	8028.6	5962.0
45°	7220.1	7234.6	7265.4	7161.9	7053.5	7247.6	7275.1	8518.6	*9241.4*	8875.9	6518.3
47.5°	7698.7	7685.8	7689.0	7613.0	7528.9	7842.6	7836.2	9016.6	*10032.1*	9804.1	7121.4
50°	8293.8	8318.1	8295.4	8145.0	8046.4	8332.6	8369.8	9568.0	*10727.4*	10722.6	7729.4
52.5°	8866.2	8875.9	8995.6	9002.1	8799.9	8740.1	8837.1	10124.3	*11314.4*	11563.4	8313.2
55°	8895.3	8932.5	9291.5	9550.2	9876.9	9396.6	9309.3	10654.7	*11882.0*	12386.5	8919.6
57.5°	8276.0	8335.8	8945.5	9503.3	10412.1	10523.7	10117.8	11340.3	*12449.6*	13196.7	9621.4
60°	6953.3	7077.8	7905.7	8759.5	10171.2	11333.8	11772.0	12271.7	*13195.0*	14024.6	10473.6
62.5°	4440.4	4488.9	5649.9	7079.4	9086.1	11254.6	13573.4	13913.0	*14330.2*	15103.1	11786.6
65°	2223.4	2378.7	3059.4	4225.3	6552.2	9917.3	14483.8	16919.1	*16408.1*	16949.8	13914.6
67.5°	1508.7	1558.8	1903.3	2538.8	3842.1	7026.0	13919.5	19451.4	*19301.0*	19389.9	16183.3
70°	*1112.5*	*1144.9*	*1416.5*	*1798.1*	*2323.7*	*3989.2*	*11081.6*	*19260.6*	*20287.4*	*20255.0*	*15945.6*
72.5°	811.8	827.9	1033.3	1372.9	1722.1	2063.3	6767.3	15559.2	*17709.8*	18642.8	13945.3
75°	590.2	609.6	718.0	1026.8	1338.9	1287.2	3340.8	11238.4	*13505.5*	15300.4	11361.3
77.5°	439.8	464.1	514.2	643.6	937.9	921.7	1444.0	7297.7	*8735.2*	9993.3	6901.5
80°	316.9	321.8	350.9	412.3	595.1	540.1	687.2	3804.9	*4362.8*	4780.0	2705.3
82.5°	192.4	197.3	234.5	253.9	368.7	339.6	357.4	1232.2	*1765.8*	1874.1	1010.6
85°	56.6	59.8	106.7	116.4	153.6	145.5	143.9	501.3	*598.3*	764.9	397.8
87.5°	0.0	0.0	0.0	0.0	1.6	9.7	17.8	88.9	*134.2*	186.0	97.0
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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REPORT NUMBER: P642451
CATALOG NUMBER: GWS-SA6C-830-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2609.9	2609.9	2609.9	2609.9	2609.9	2609.9	2609.9	2609.9	2609.9	2609.9	2609.9
2.5°	2637.4	2600.2	2580.8	2546.8	2522.6	2498.3	2474.1	2451.4	2441.7	2427.2	2430.4
5°	2684.3	2626.1	2567.9	2501.6	2445.0	2398.1	2356.0	2318.8	2302.7	2288.1	2294.6
7.5°	2755.4	2668.1	2556.5	2435.3	2346.3	2281.6	2238.0	2212.1	2204.0	2192.7	2192.7
10°	2846.0	2715.0	2519.3	2346.3	2239.6	2187.9	2168.4	2166.8	2174.9	2176.5	2173.3
12.5°	2946.2	2760.3	2464.4	2241.2	2150.7	2134.5	2149.0	2176.5	2204.0	2218.6	2215.3
15°	3049.7	2789.4	2370.6	2141.0	2086.0	2107.0	2153.9	2208.9	2262.2	2289.7	2288.1
17.5°	3146.8	2795.9	2249.3	2043.9	2029.4	2082.7	2163.6	2249.3	2322.1	2360.9	2362.5
20°	3255.1	2784.5	2124.8	1956.6	1972.8	2060.1	2166.8	2270.3	2356.0	2394.8	2404.5
22.5°	3353.7	2745.7	2003.5	1874.1	1924.3	2032.6	2141.0	2238.0	2314.0	2351.2	2364.1
25°	3442.7	2671.3	1870.9	1804.6	1887.1	1993.8	2076.3	2144.2	2197.6	2220.2	2238.0
27.5°	3491.2	2559.8	1770.7	1749.6	1851.5	1938.8	1984.1	2005.1	2022.9	2016.4	2029.4
30°	3500.9	2420.7	1683.3	1706.0	1798.1	1862.8	1872.5	1851.5	1820.8	1770.7	1782.0
32.5°	3491.2	2260.6	1610.6	1659.1	1738.3	1777.1	1764.2	1709.2	1634.8	1557.2	1562.1
35°	3494.4	2098.9	1550.7	1607.3	1668.8	1689.8	1657.5	1581.5	1502.2	1431.1	1427.8
37.5°	3530.0	1963.1	1500.6	1557.2	1600.9	1604.1	1568.5	1489.3	1448.9	1395.5	1389.0
40°	3628.6	1862.8	1455.3	1507.1	1534.6	1533.0	1492.5	1435.9	1463.4	1445.6	1440.8
42.5°	3790.3	1801.4	1418.1	1453.7	1473.1	1476.4	1444.0	1408.4	1468.3	1445.6	1437.5
45°	4050.7	1798.1	1392.3	1400.4	1431.1	1453.7	1431.1	1390.7	1413.3	1303.3	1282.3
47.5°	4359.5	1853.1	1372.9	1353.5	1406.8	1447.3	1411.7	1347.0	1300.1	1199.8	1185.3
50°	4731.5	1964.7	1355.1	1303.3	1371.2	1423.0	1387.4	1298.5	1227.3	1174.0	1165.9
52.5°	5172.9	2111.9	1332.4	1246.7	1317.9	1410.1	1387.4	1293.6	1199.8	1151.3	1143.2
55°	5635.4	2281.6	1306.6	1178.8	1258.1	1413.3	1398.7	1259.7	1178.8	1152.9	1146.5
57.5°	6209.4	2485.4	1259.7	1099.6	1204.7	1384.2	1353.5	1240.3	1164.3	1143.2	1136.8
60°	6954.9	2787.8	1170.7	1018.7	1143.2	1332.4	1313.0	1207.9	1125.5	1107.7	1102.8
62.5°	8135.3	3300.4	1062.4	941.1	1070.5	1224.1	1253.2	1146.5	1076.9	1075.3	1073.7
65°	10059.6	3916.5	934.6	871.6	994.5	1135.2	1174.0	1083.4	1026.8	1044.6	1043.0
67.5°	11408.2	3969.8	829.5	798.8	905.5	1038.1	1094.7	1018.7	957.3	991.2	989.6
70°	*10449.3*	*3096.6*	*739.0*	*722.8*	*810.1*	*933.0*	*1009.0*	*937.9*	*876.4*	*908.8*	*902.3*
72.5°	8812.9	2373.8	653.3	643.6	713.1	823.1	899.1	857.0	792.3	792.3	777.8
75°	7082.6	1958.2	562.7	557.9	604.8	711.5	797.2	726.1	666.2	663.0	653.3
77.5°	4062.0	1283.9	472.2	468.9	483.5	595.1	619.3	604.8	559.5	538.5	532.0
80°	1618.7	667.8	371.9	350.9	365.5	436.6	488.3	464.1	425.3	399.4	384.9
82.5°	627.4	334.7	262.0	229.6	250.6	315.3	354.1	346.0	320.2	262.0	245.8
85°	255.5	163.3	156.9	132.6	145.5	169.8	203.7	176.3	145.5	103.5	98.6
87.5°	67.9	59.8	58.2	35.6	27.5	8.1	1.6	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

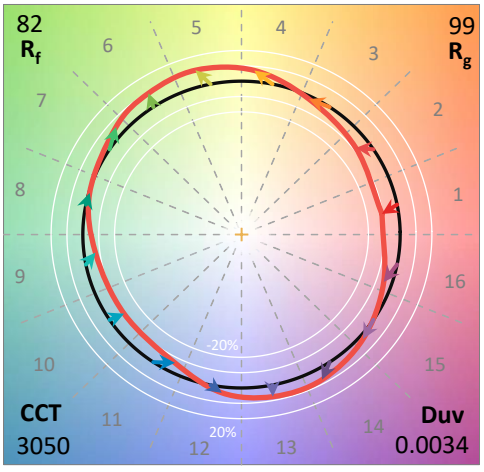
Test Information

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

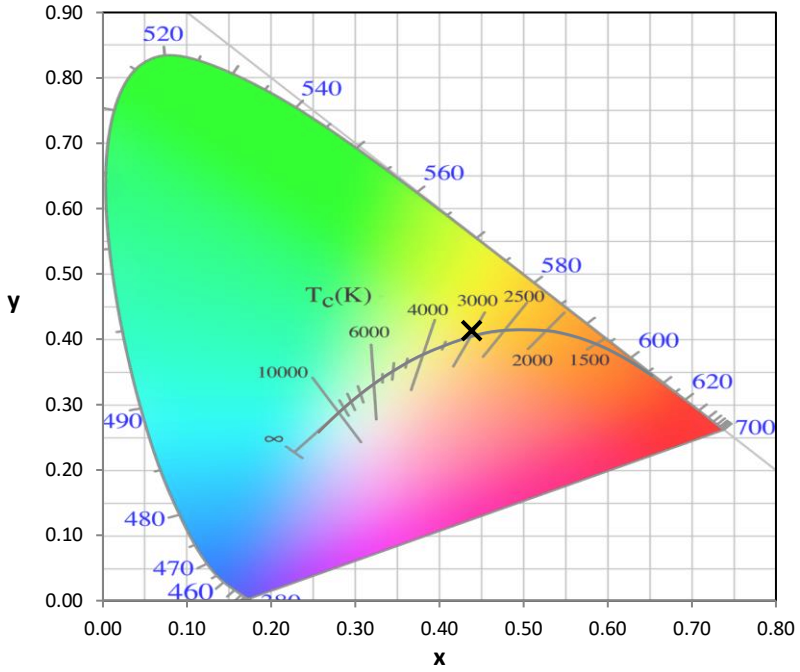
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

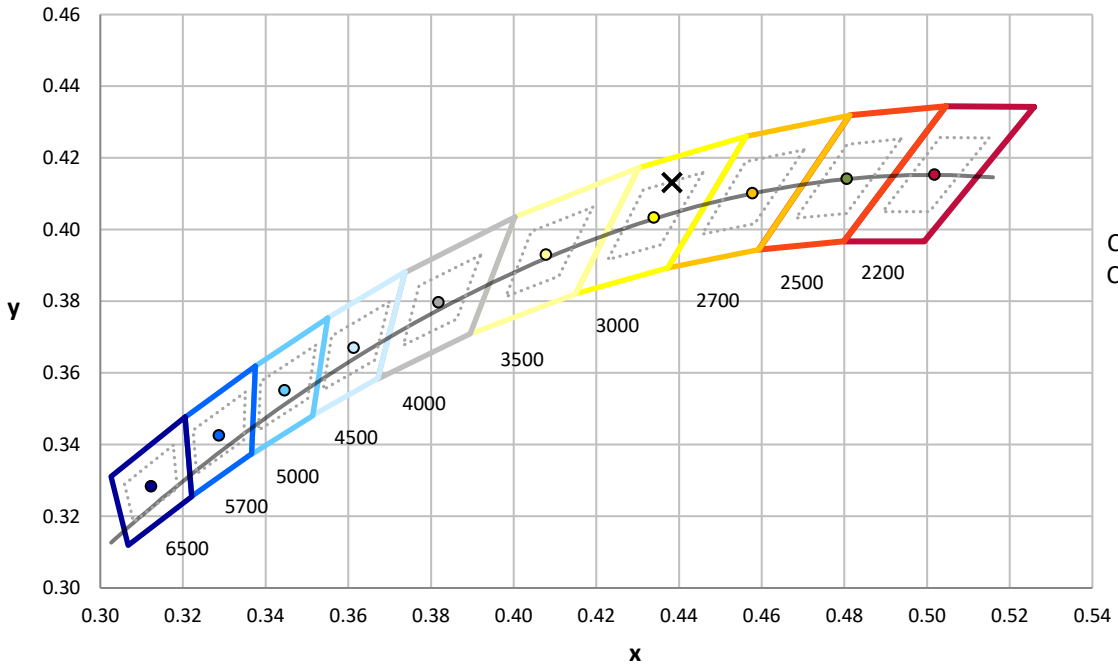
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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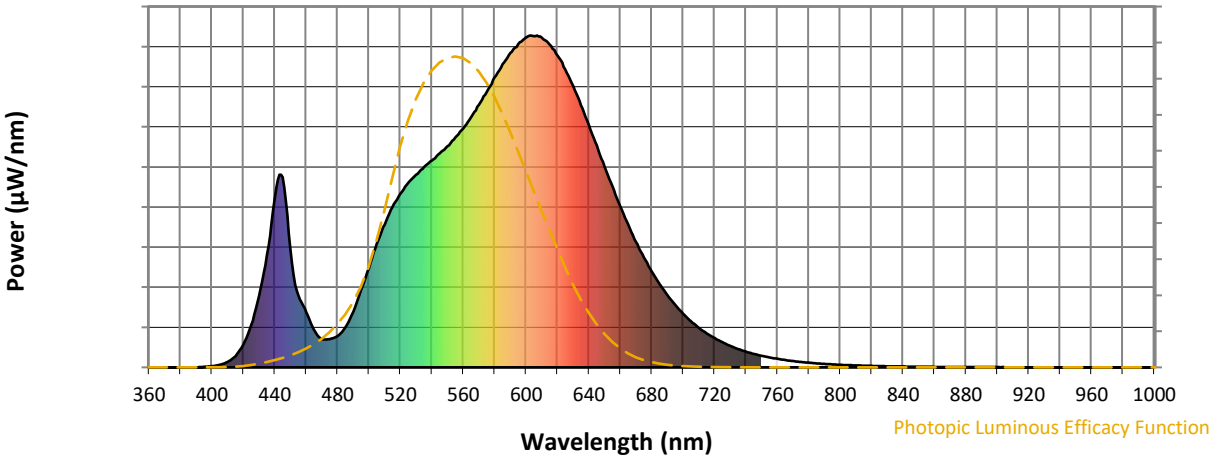
Photopic Flux vs. Wavelength



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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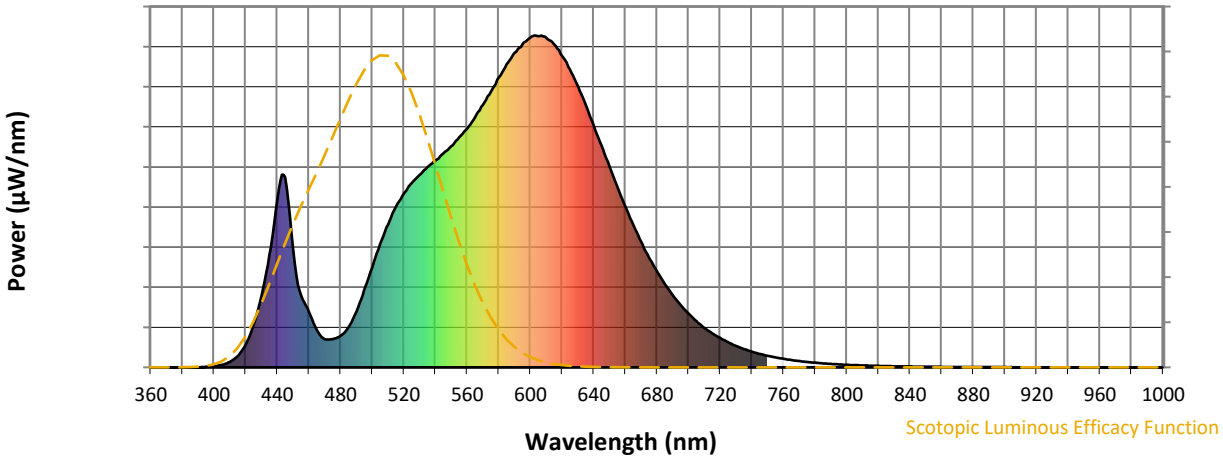
Scotopic Flux vs. Wavelength



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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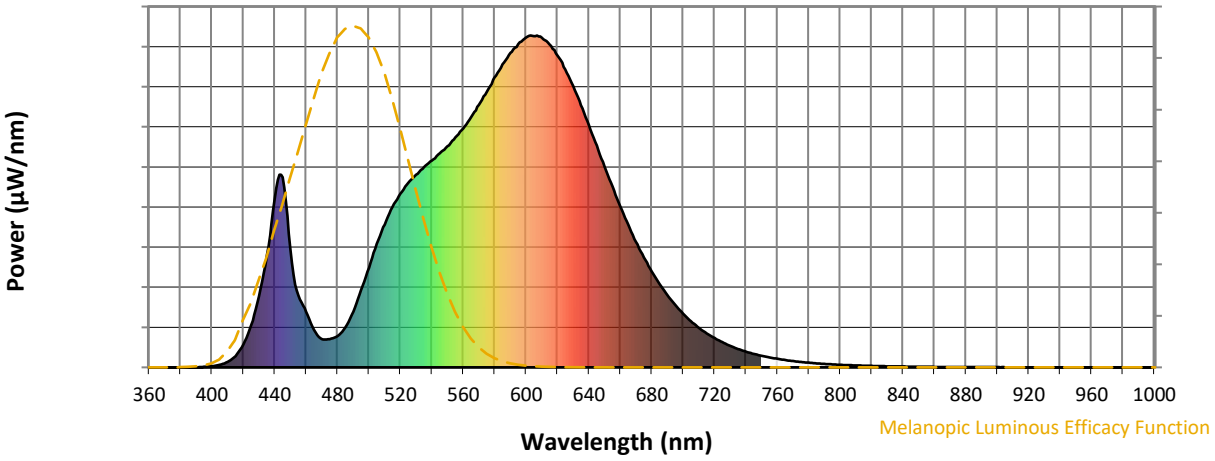
Melanopic Flux vs. Wavelength



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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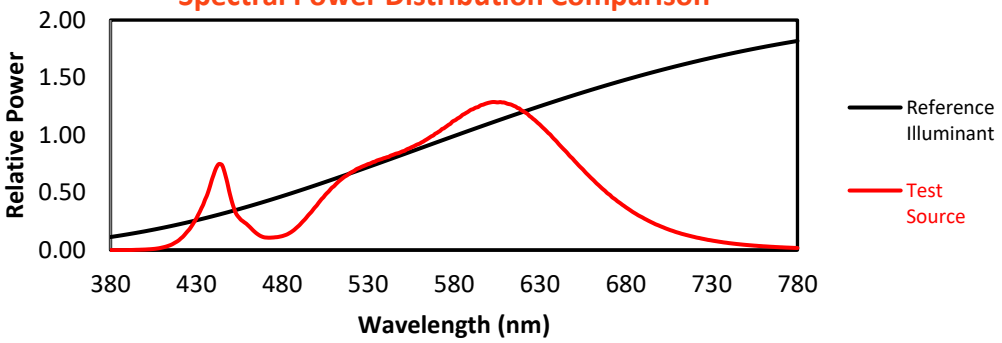
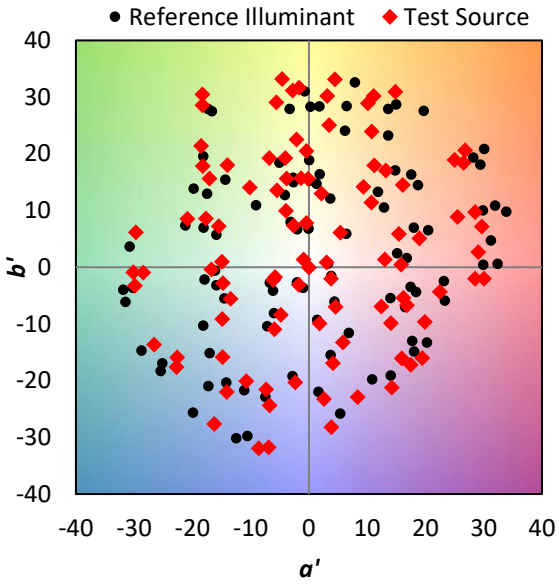
Summary

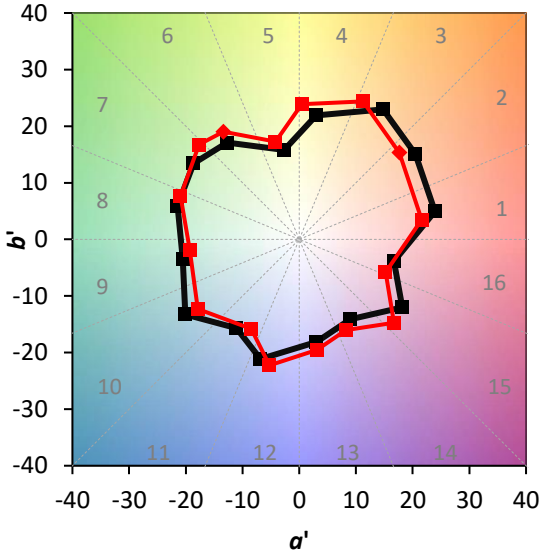
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

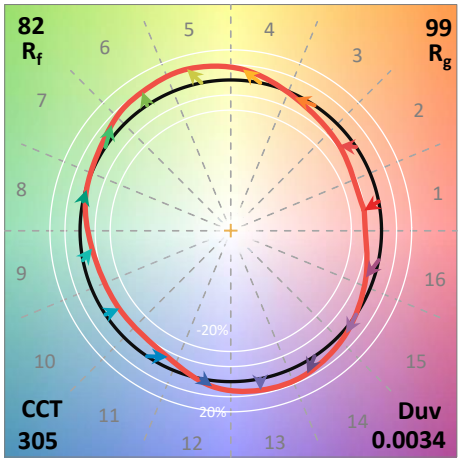
Spectral Power Distribution Comparison

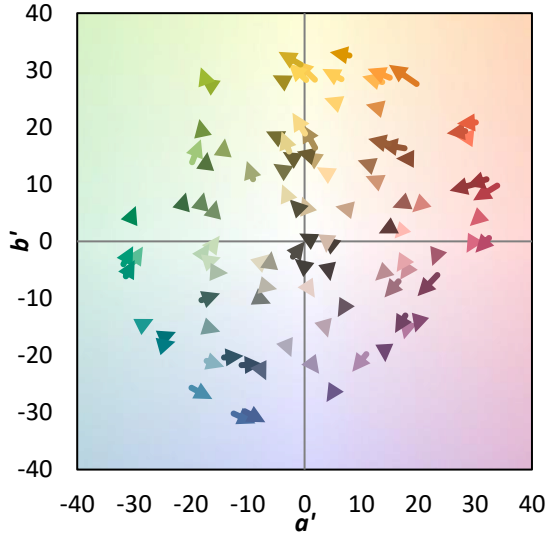


Color Vector Graphics









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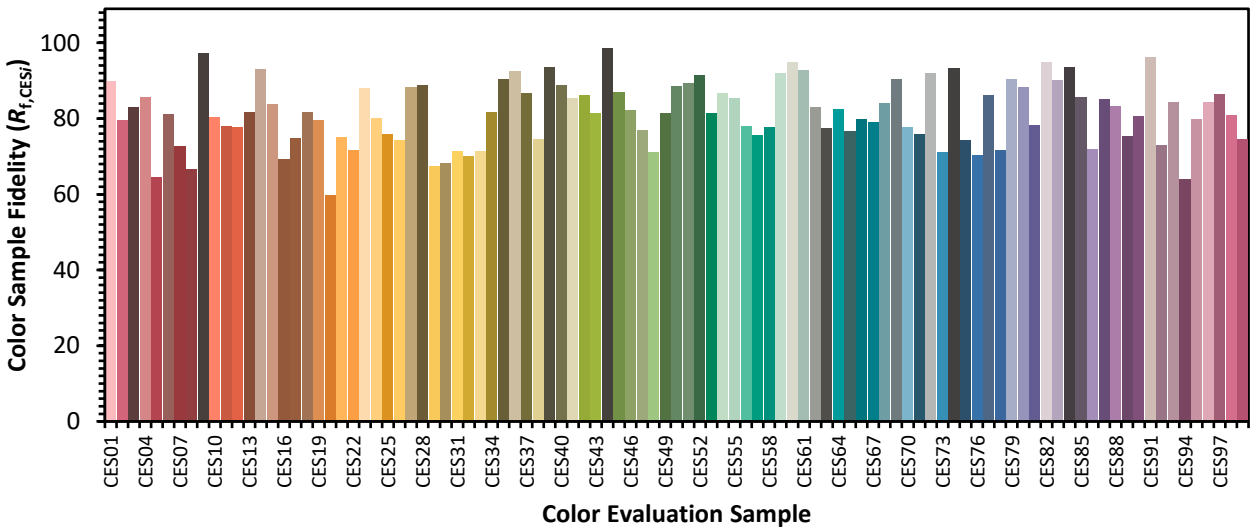
Individual Sample Fidelity Index ($R_{f,i}$)

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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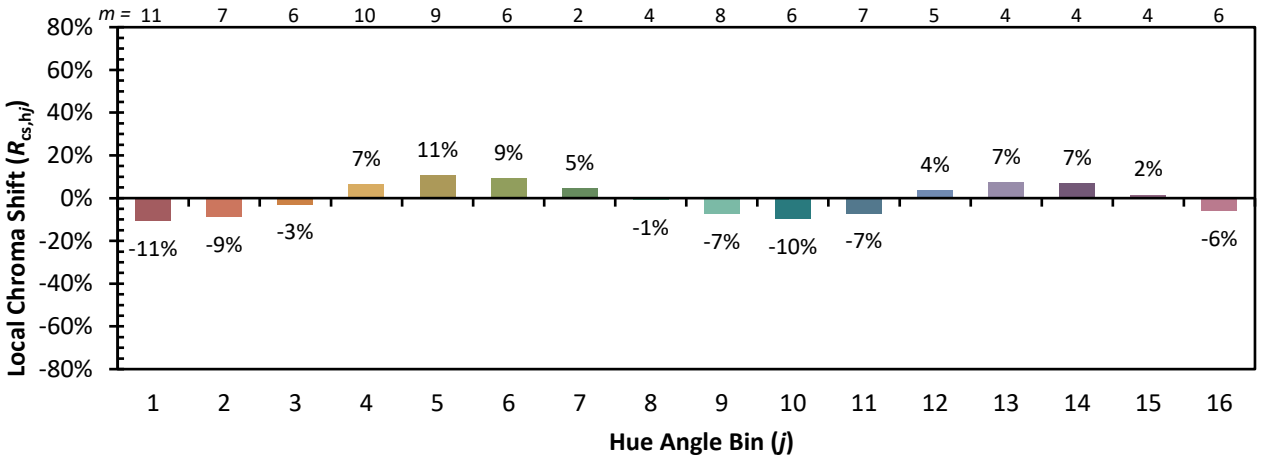
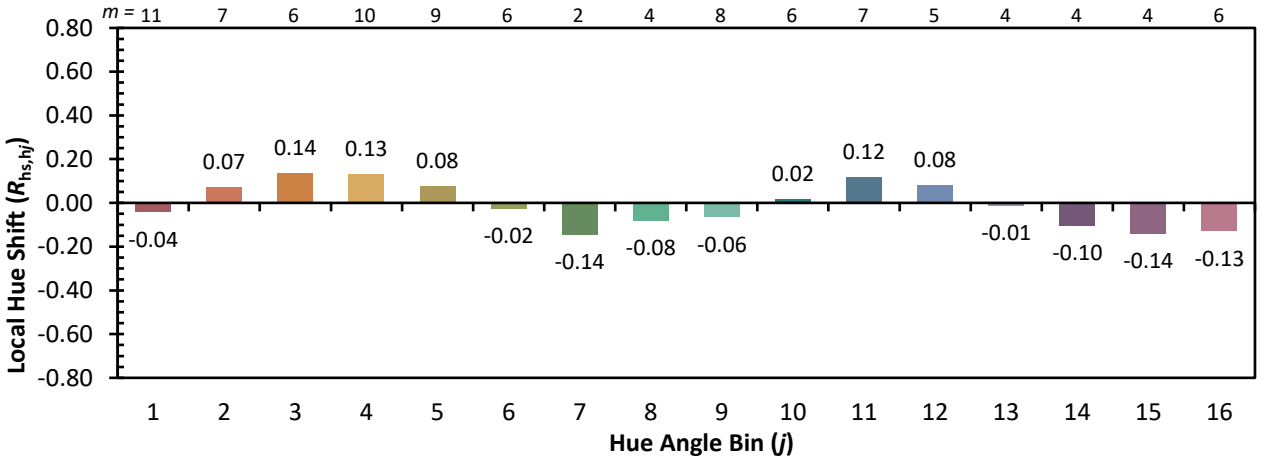
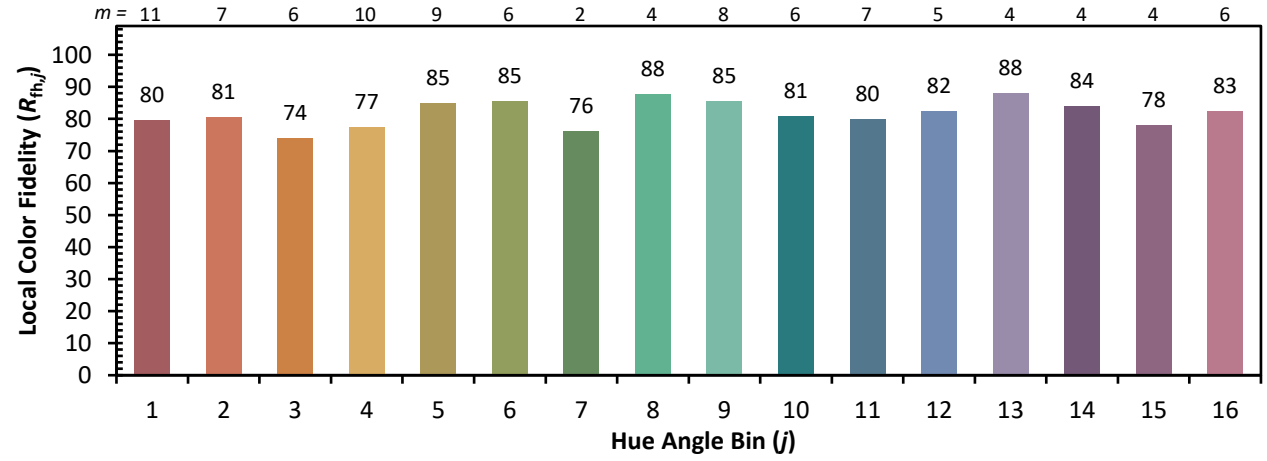
Color Rendition by Hue-Angle Bin







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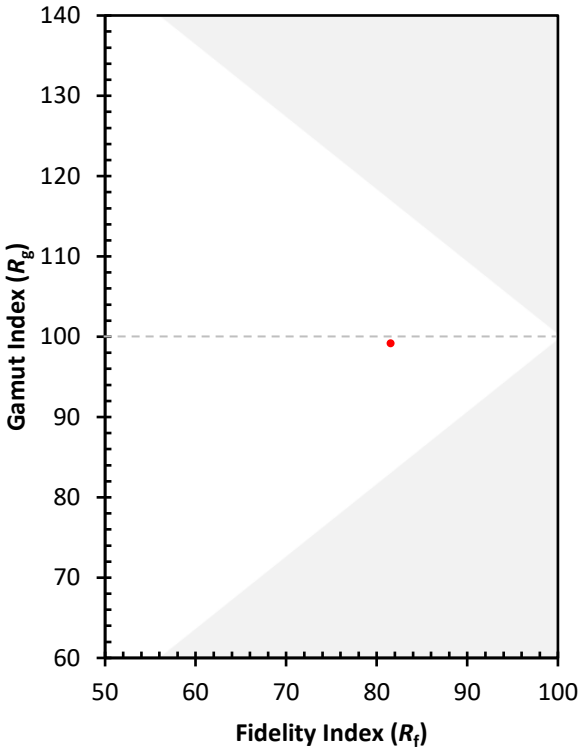
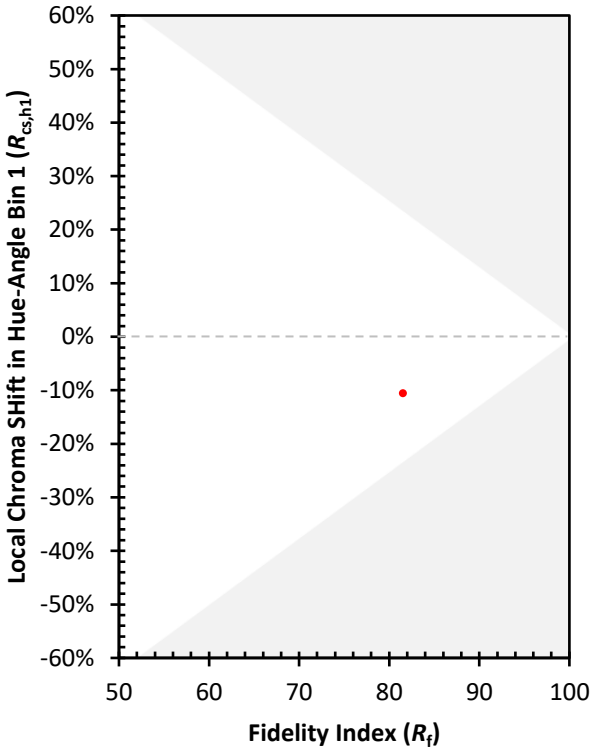
Measure Comparisons





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