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: P641931

Luminaire Tested: GWS-SA6B-830-U-RW-W-GRSBK

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:	P641931
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-RW-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10900.9 lumens
Efficiency:	N/A
Efficacy:	78.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B3 - U0 - G0

Input Watts (W):	138.9
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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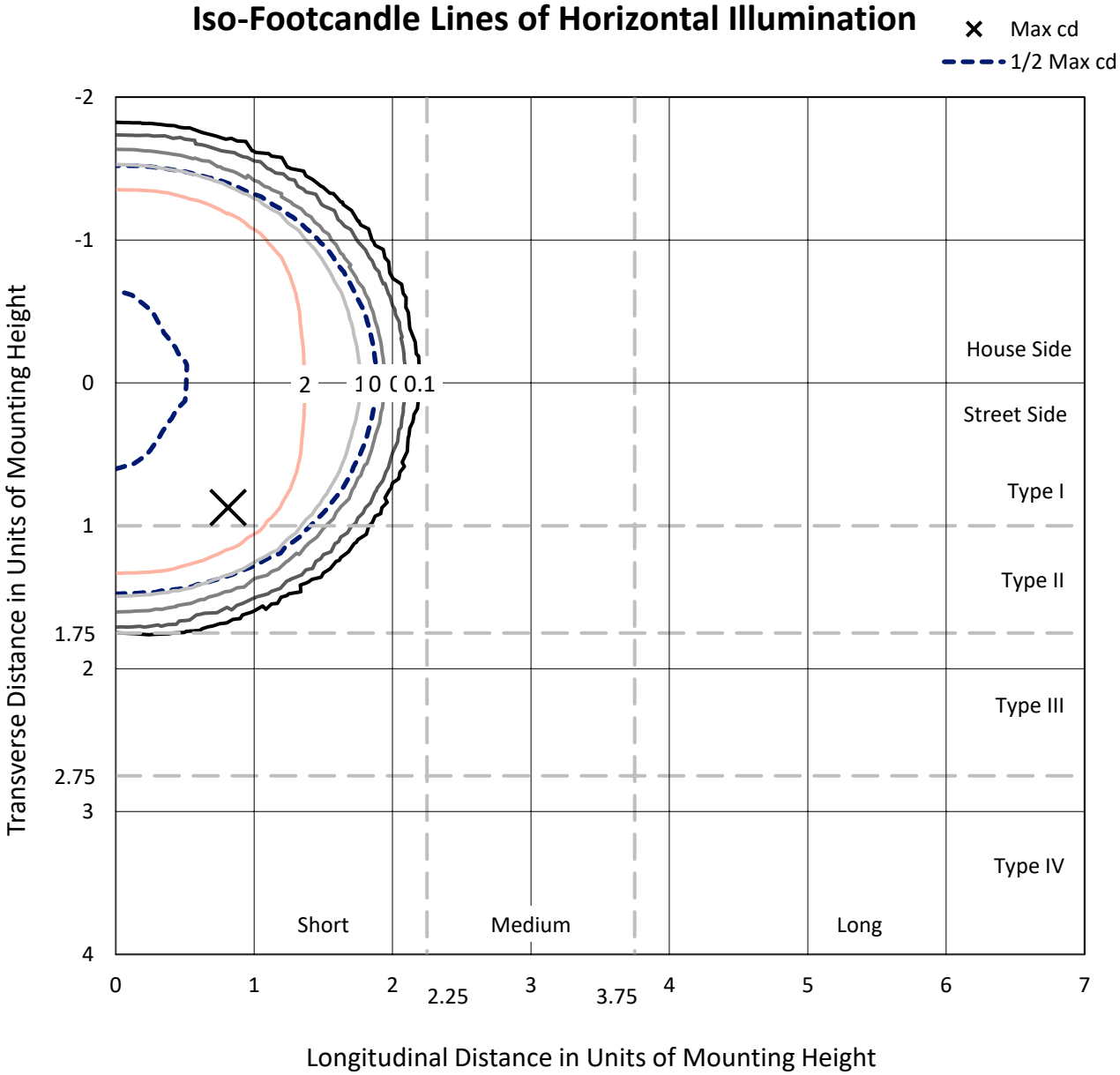
Scaled Data Report

REPORT NUMBER: P641931
CATALOG NUMBER: GWS-SA6B-830-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
Type V - Short - N/A

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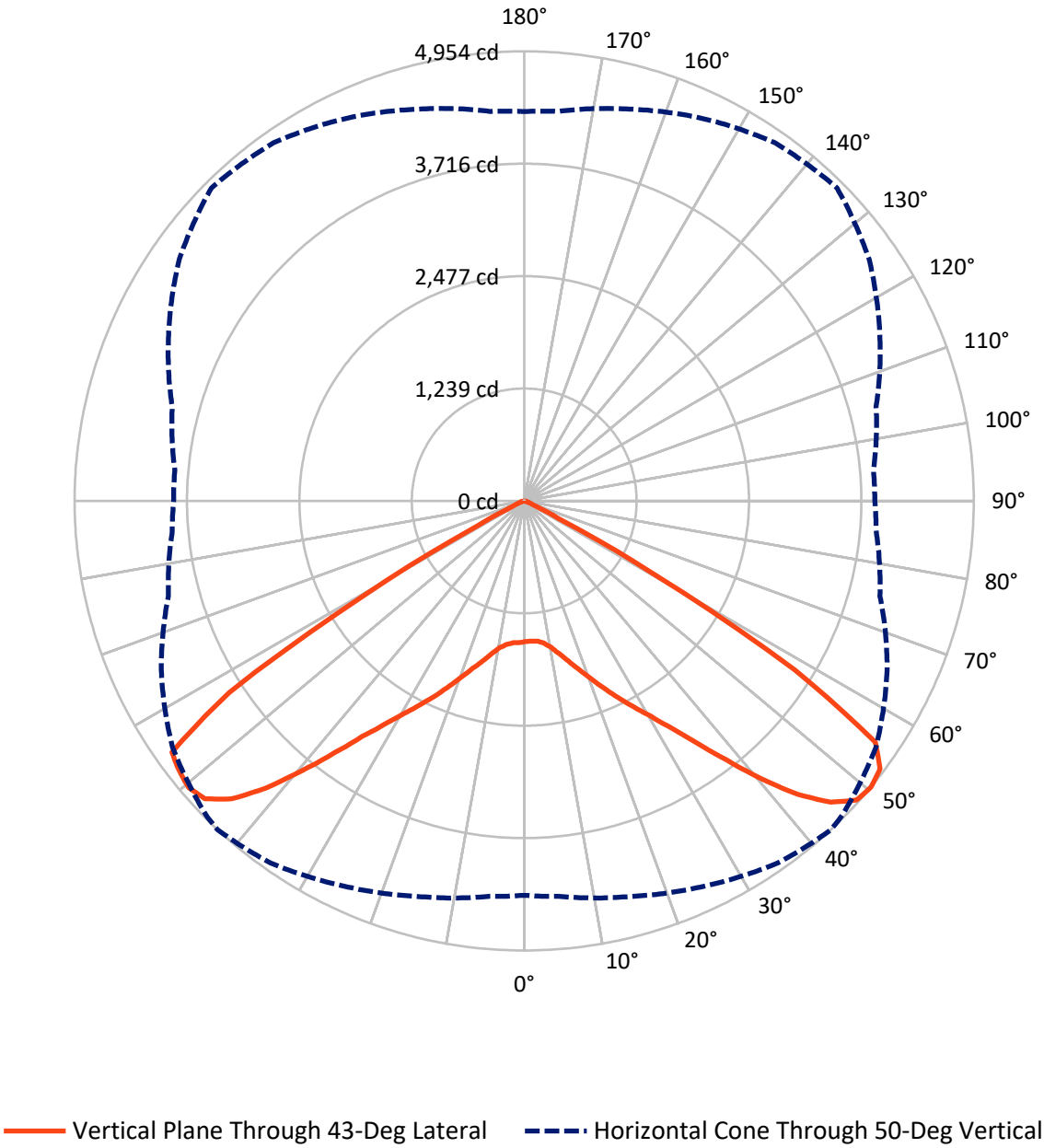
Luminous Intensity Polar Plot



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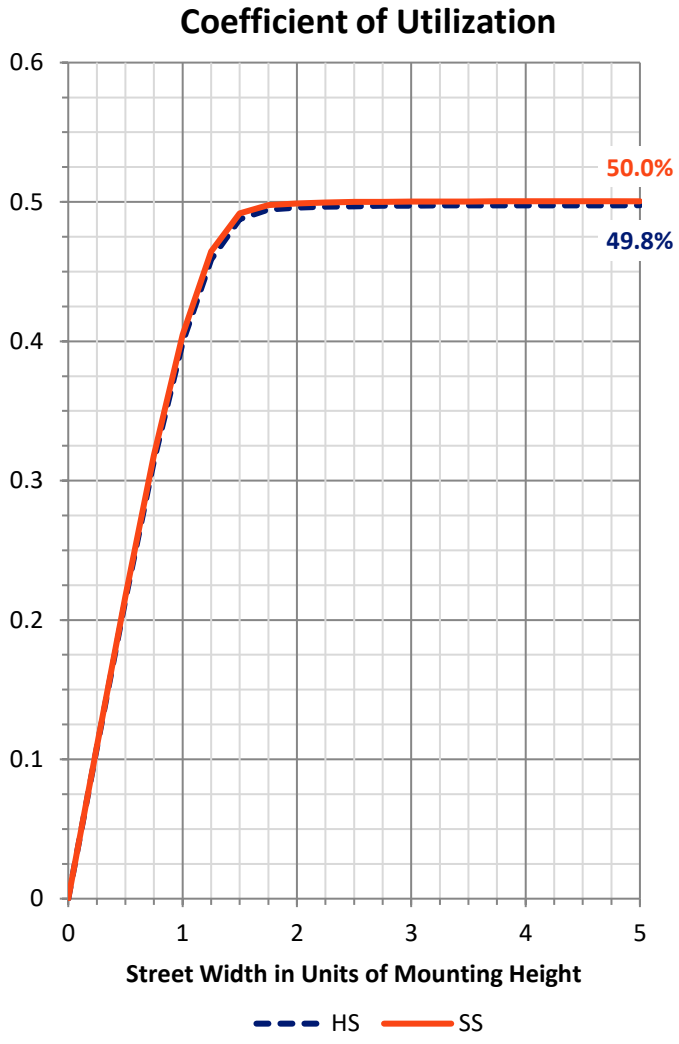
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5450.3	0.0	5450.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5450.6	0.0	5450.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	10900.9	0.0	10900.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	1.4
10°-20°	525.4	4.8
20°-30°	1063.1	9.8
30°-40°	1972.3	18.1
40°-50°	3274.0	30.0
50°-60°	3341.2	30.7
60°-70°	547.9	5.0
70°-80°	24.0	0.2
80°-90°	0.3	0.0
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°	10900.9	100.0
0°-180°	10900.9	100.0



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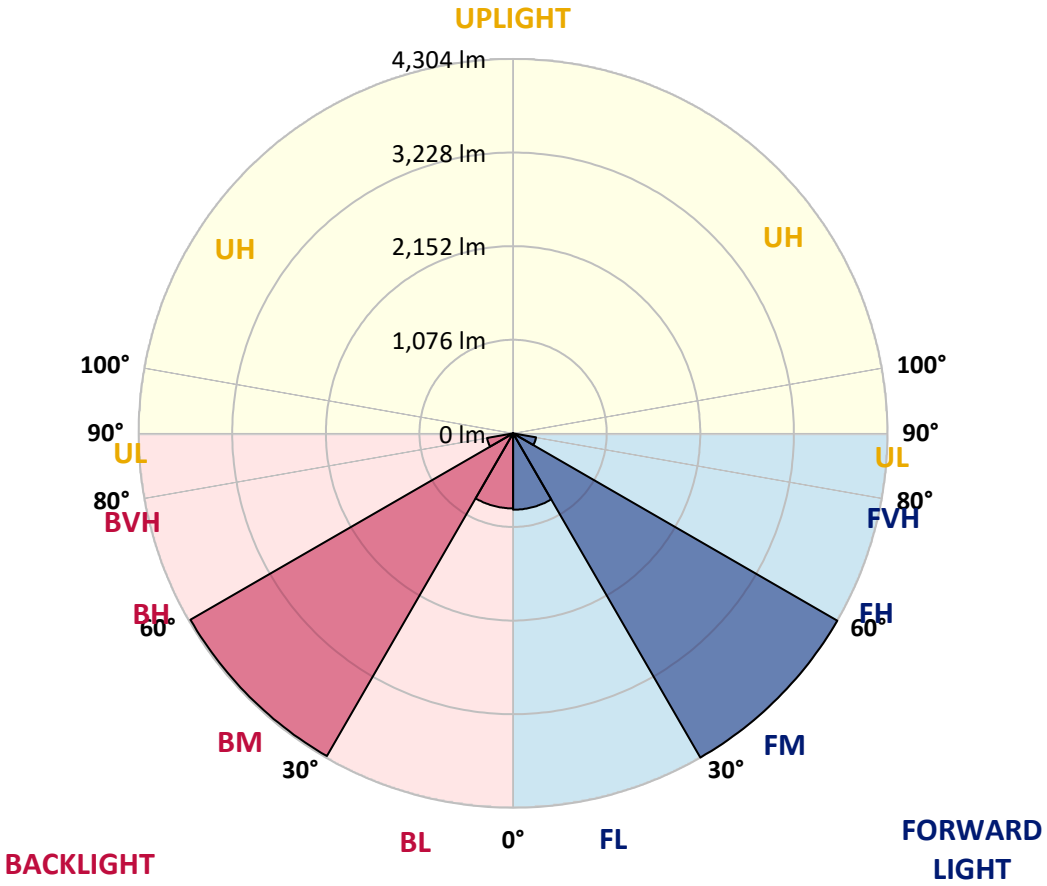
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	878.2	8.1			
FM	(30°-60°)	4304.2	39.5			
FH	(60°-80°)	268.0	2.5			G0/660
FVH	(80°-90°)	0.1	0.0			G0/10
BL	(0°-30°)	863.0	7.9	B2/1000		
BM	(30°-60°)	4283.3	39.3	B3/5000		
BH	(60°-80°)	303.9	2.8	B1/500		G0/660
BVH	(80°-90°)	0.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
Type V Short



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REPORT NUMBER: P641931
CATALOG NUMBER: GWS-SA6B-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1550.5	1550.5	1550.5	1550.5	1550.5	*1550.5*	1550.5	1550.5	1550.5	1550.5	1550.5
2.5°	1521.5	1525.2	1530.0	1534.8	1540.8	*1546.9*	1550.5	1561.3	1558.9	1568.6	1568.6
5°	1504.7	1508.3	1514.3	1525.2	1538.4	*1551.7*	1561.3	1583.0	1595.1	1614.4	1621.6
7.5°	1513.1	1517.9	1525.2	1542.0	1562.5	*1583.0*	1593.9	1628.8	1653.0	1689.1	1709.6
10°	1540.8	1545.7	1557.7	1586.7	1613.2	*1642.1*	1655.4	1700.0	1738.6	1788.0	1816.9
12.5°	1572.2	1578.2	1602.3	1645.7	1691.5	*1730.1*	1748.2	1797.6	1837.4	1892.9	1938.7
15°	1604.7	1614.4	1651.8	1715.7	1780.8	*1832.6*	1851.9	1904.9	1944.7	2003.8	2055.7
17.5°	1680.7	1691.5	1733.7	1802.5	1891.7	*1952.0*	1968.8	2024.3	2054.4	2094.2	2148.5
20°	1775.9	1796.4	1848.3	1931.5	2029.1	*2087.0*	2099.1	2153.3	2150.9	2167.8	2214.8
22.5°	1894.1	1908.6	1965.2	2064.1	2173.8	*2237.7*	2265.4	2288.3	2258.2	2243.7	2273.9
25°	2017.1	2034.0	2095.4	2203.9	2326.9	*2400.5*	2423.4	2441.5	2393.2	2339.0	2342.6
27.5°	2176.2	2188.3	2248.6	2364.3	2487.3	*2570.5*	2591.0	2622.3	2558.4	2471.6	2447.5
30°	2365.5	2377.6	2441.5	2563.2	2685.0	*2756.1*	2787.5	2826.1	2756.1	2647.6	2619.9
32.5°	2587.3	2599.4	2681.4	2806.8	2906.8	*2984.0*	3014.2	3055.1	2999.7	2877.9	2846.6
35°	2852.6	2859.8	2956.3	3092.5	3198.6	*3273.4*	3293.9	3342.1	3280.6	3158.8	3142.0
37.5°	3160.0	3168.5	3273.4	3431.3	3539.8	*3623.0*	3655.6	3668.8	3594.1	3457.8	3444.6
40°	3497.6	3525.4	3627.8	3797.8	3919.6	*4024.5*	4053.4	4008.8	3903.9	3718.3	3694.1
42.5°	3849.7	3873.8	3988.3	4172.8	4313.9	*4421.2*	4422.4	4325.9	4147.5	3890.7	3854.5
45°	4142.7	4152.3	4300.6	4486.3	4659.9	*4735.8*	4743.1	4568.3	4299.4	3990.7	3913.6
47.5°	4344.0	4359.7	4488.7	4667.1	4858.8	*4927.5*	4913.1	4694.8	4371.7	4055.8	3928.0
50°	*4346.4*	*4372.9*	*4512.8*	*4685.2*	*4870.9*	*4954.1*	*4933.6*	*4731.0*	*4412.7*	*4058.3*	*3893.1*
52.5°	3961.8	4005.2	4233.1	4482.6	4767.2	*4909.5*	4914.3	4778.0	4397.0	4019.7	3861.7
55°	2988.8	3035.9	3322.8	3748.4	4298.2	*4694.8*	4763.6	4722.6	4379.0	4036.6	3917.2
57.5°	1581.8	1545.7	1704.8	2126.8	2817.6	*3519.3*	3720.7	4048.6	4177.6	4057.1	4019.7
60°	344.8	367.7	489.5	659.5	1099.6	*1655.4*	1851.9	2413.7	3081.7	3378.3	3592.9
62.5°	148.3	145.9	151.9	172.4	252.0	*419.6*	512.4	836.7	1320.2	1813.3	2147.3
65°	121.8	123.0	127.8	127.8	119.4	*120.6*	126.6	191.7	308.6	432.8	581.1
67.5°	91.6	92.8	101.3	103.7	97.7	*86.8*	85.6	72.3	76.0	95.2	98.9
70°	57.9	57.9	62.7	65.1	65.1	*60.3*	59.1	51.8	50.6	57.9	65.1
72.5°	31.3	31.3	33.8	35.0	33.8	*32.6*	32.6	31.3	30.1	35.0	44.6
75°	13.3	13.3	14.5	14.5	13.3	*13.3*	13.3	13.3	13.3	15.7	24.1
77.5°	2.4	3.6	4.8	3.6	2.4	*2.4*	2.4	3.6	3.6	4.8	7.2
80°	1.2	1.2	2.4	1.2	0.0	*0.0*	0.0	0.0	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	1.2
85°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	*0.0*	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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REPORT NUMBER: P641931
CATALOG NUMBER: GWS-SA6B-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5
2.5°	1577.0	1563.7	1568.6	1571.0	1567.4	1564.9	1551.7	1548.1	1542.0	1532.4	1530.0
5°	1630.1	1619.2	1618.0	1610.8	1593.9	1573.4	1548.1	1537.2	1525.2	1513.1	1510.7
7.5°	1719.3	1706.0	1697.6	1673.5	1634.9	1602.3	1560.1	1537.2	1521.5	1505.9	1502.3
10°	1833.8	1818.1	1794.0	1749.4	1697.6	1650.6	1601.1	1571.0	1546.9	1525.2	1524.0
12.5°	1955.6	1938.7	1895.3	1838.6	1775.9	1732.5	1669.8	1627.6	1591.5	1558.9	1555.3
15°	2083.4	2062.9	2003.8	1936.3	1878.4	1833.8	1765.1	1697.6	1642.1	1595.1	1590.3
17.5°	2181.0	2155.7	2085.8	2035.2	1988.1	1942.3	1865.2	1775.9	1702.4	1645.7	1632.5
20°	2242.5	2218.4	2152.1	2124.4	2102.7	2070.1	1978.5	1885.7	1803.7	1733.7	1721.7
22.5°	2301.6	2272.7	2214.8	2214.8	2231.7	2218.4	2119.6	2013.5	1917.0	1836.2	1818.1
25°	2367.9	2345.0	2304.0	2337.8	2380.0	2378.8	2277.5	2144.9	2034.0	1943.5	1925.4
27.5°	2464.4	2441.5	2427.0	2490.9	2543.9	2540.3	2429.4	2285.9	2169.0	2079.8	2062.9
30°	2634.4	2612.7	2597.0	2674.2	2741.7	2716.4	2594.6	2455.9	2337.8	2236.5	2224.4
32.5°	2861.0	2838.1	2817.6	2894.8	2955.1	2922.5	2806.8	2676.6	2540.3	2441.5	2417.4
35°	3158.8	3110.6	3090.1	3181.7	3207.1	3170.9	3060.0	2945.4	2800.8	2687.4	2671.7
37.5°	3466.3	3409.6	3395.1	3474.7	3515.7	3502.4	3372.2	3252.9	3096.1	2970.7	2952.7
40°	3729.1	3677.3	3651.9	3776.1	3869.0	3877.4	3760.5	3614.6	3430.1	3299.9	3267.3
42.5°	3883.4	3838.8	3832.8	4025.7	4177.6	4286.1	4146.3	3995.6	3801.5	3654.4	3627.8
45°	3918.4	3889.5	3940.1	4193.3	4429.6	4627.3	4508.0	4348.8	4139.0	3983.5	3958.2
47.5°	3914.8	3905.1	3995.6	4280.1	4579.1	4822.6	4763.6	4583.9	4381.4	4218.6	4194.5
50°	*3862.9*	*3864.1*	*4014.9*	*4323.5*	*4639.4*	*4875.7*	*4816.6*	*4650.2*	*4469.4*	*4309.0*	*4289.7*
52.5°	3842.4	3835.2	3978.7	4310.2	4700.9	4851.6	4719.0	4532.1	4330.7	4133.0	4104.1
55°	3914.8	3896.7	3983.5	4299.4	4708.1	4838.3	4488.7	4083.6	3671.2	3437.3	3418.1
57.5°	4023.3	4004.0	4045.0	4219.8	4330.7	4023.3	3303.5	2650.0	2225.7	2046.0	1967.6
60°	3592.9	3579.6	3548.3	3337.3	2862.2	2159.3	1470.9	938.0	674.0	545.0	545.0
62.5°	2229.3	2211.2	2041.2	1516.7	1102.0	637.8	350.8	219.4	166.4	155.5	154.3
65°	625.7	622.1	514.8	364.1	231.5	143.5	126.6	129.0	126.6	123.0	121.8
67.5°	94.0	103.7	103.7	84.4	80.8	90.4	106.1	113.3	107.3	101.3	98.9
70°	60.3	65.1	62.7	54.3	57.9	67.5	76.0	77.2	73.5	67.5	66.3
72.5°	42.2	47.0	38.6	35.0	36.2	39.8	43.4	43.4	42.2	39.8	37.4
75°	25.3	25.3	18.1	16.9	16.9	18.1	18.1	20.5	20.5	19.3	18.1
77.5°	8.4	9.6	6.0	4.8	4.8	4.8	6.0	7.2	7.2	6.0	4.8
80°	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	1.2
82.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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

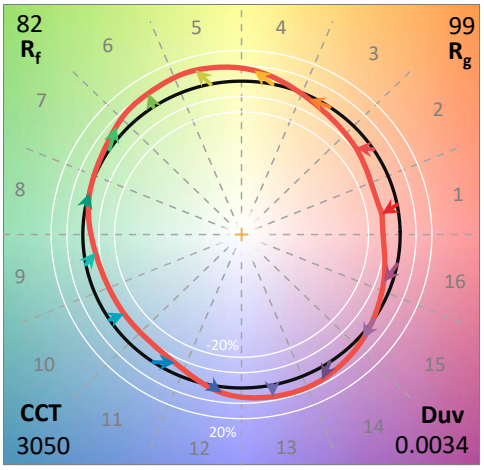
Test Information

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

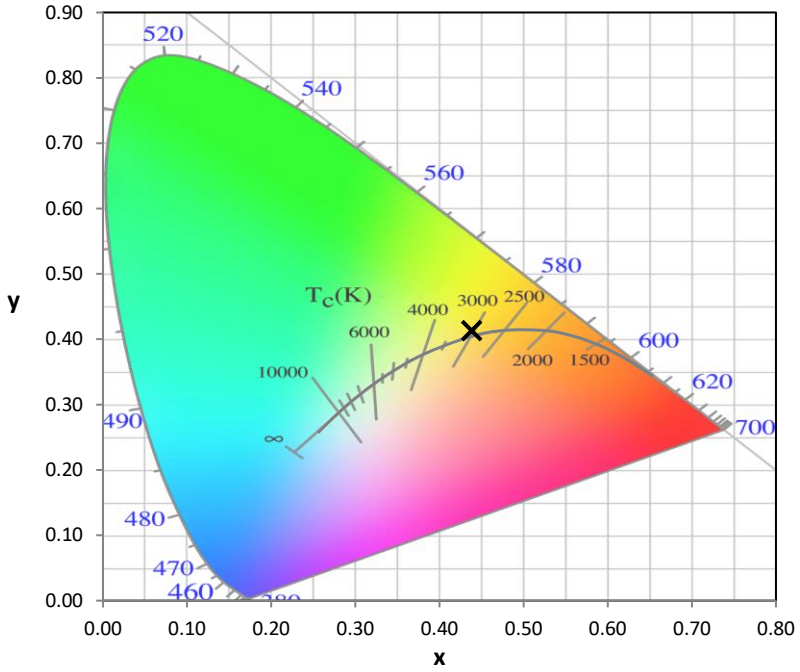
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

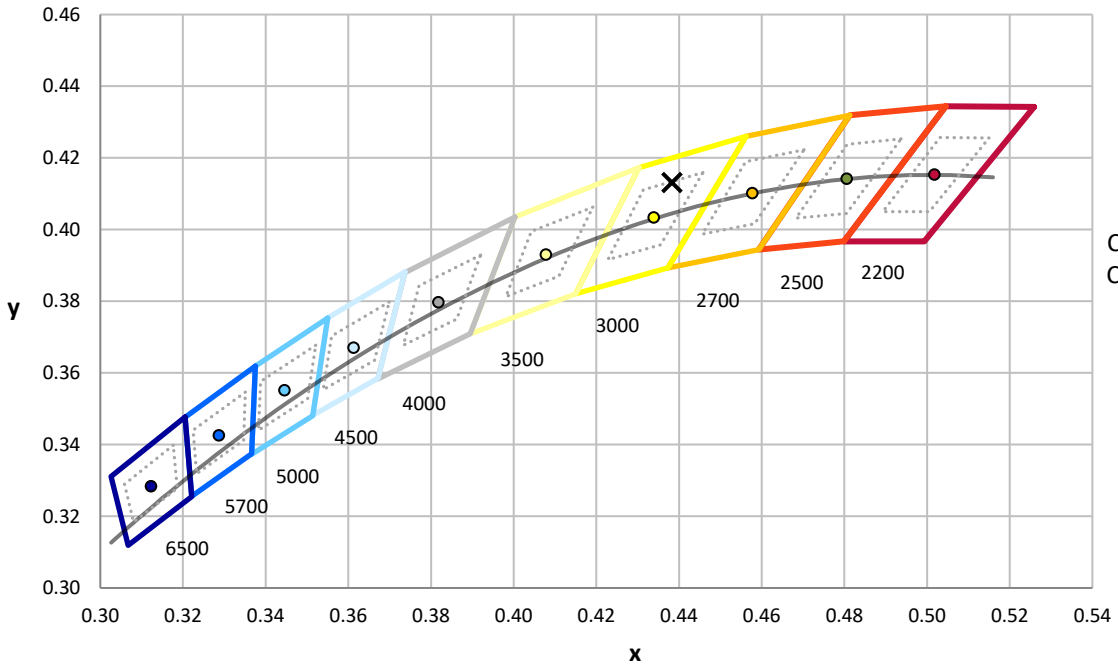
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

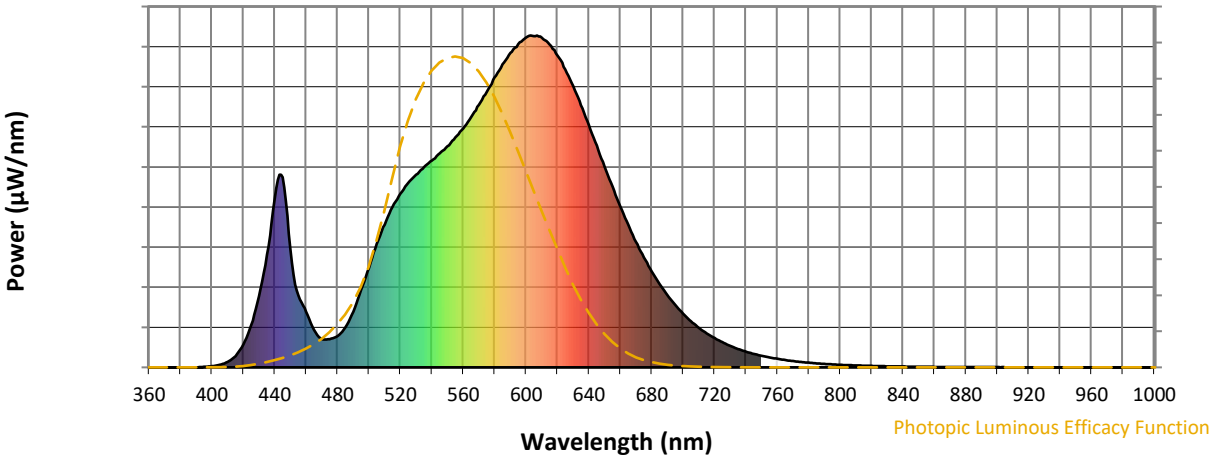


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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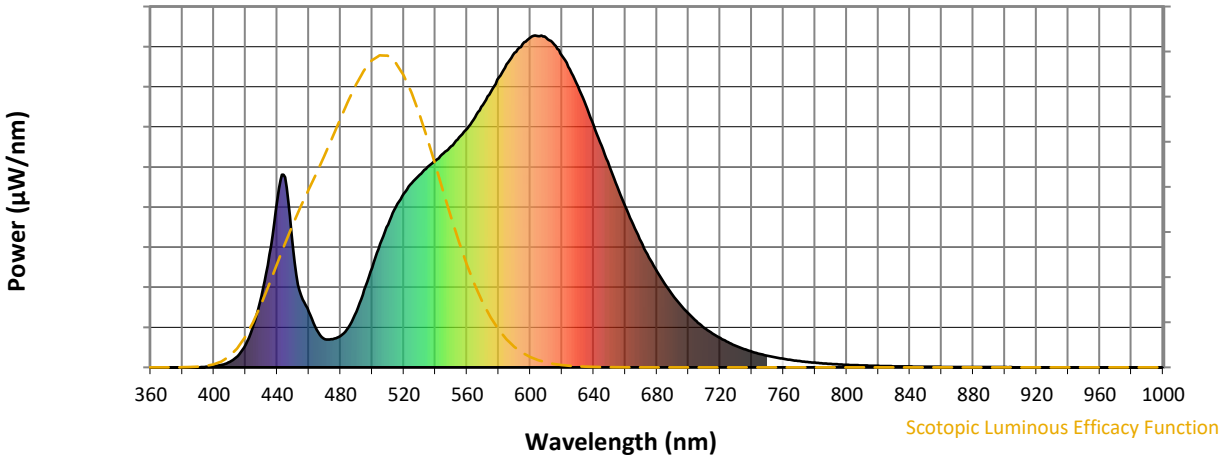
Scotopic Flux vs. Wavelength



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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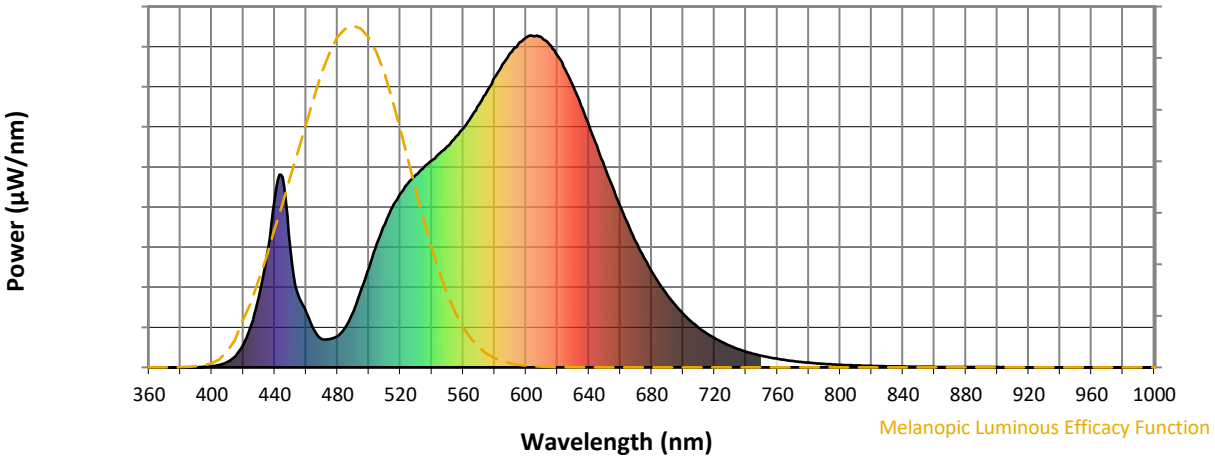
Melanopic Flux vs. Wavelength



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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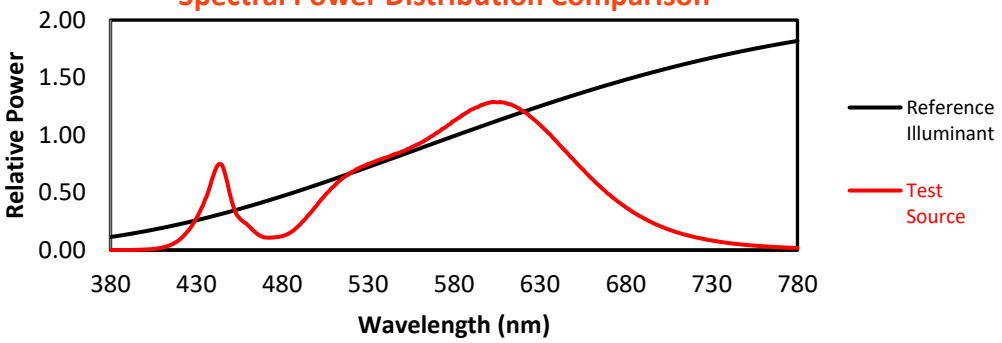
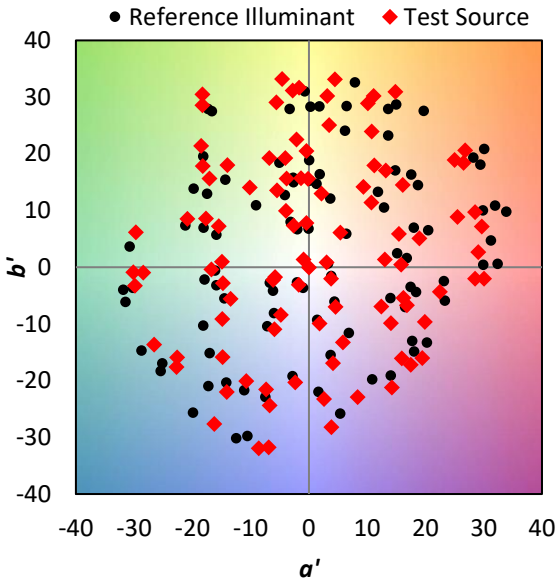
Summary

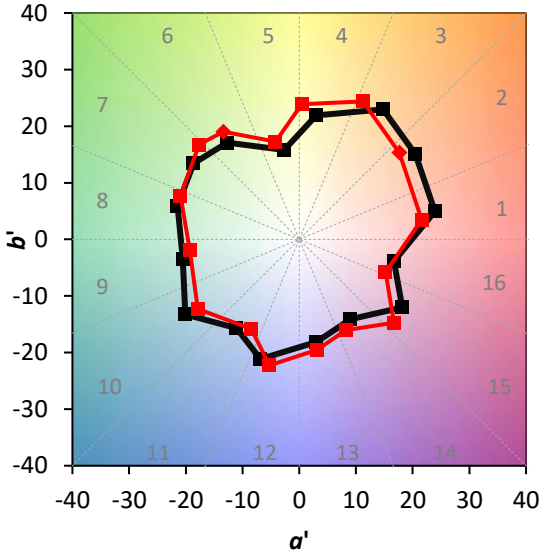
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

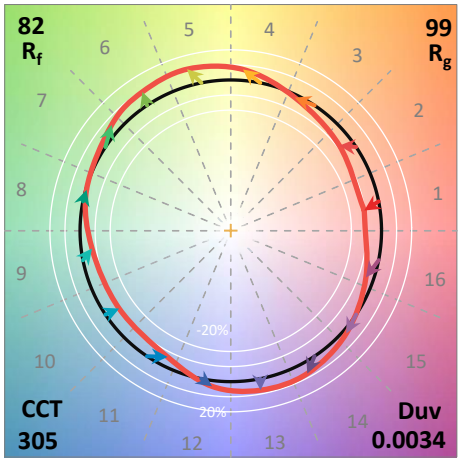
Spectral Power Distribution Comparison

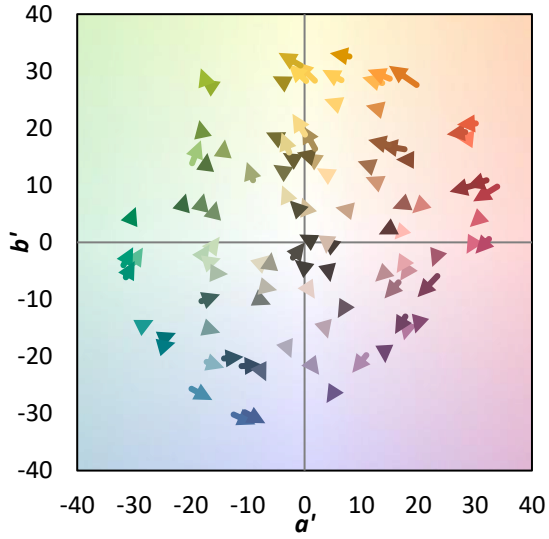


Color Vector Graphics









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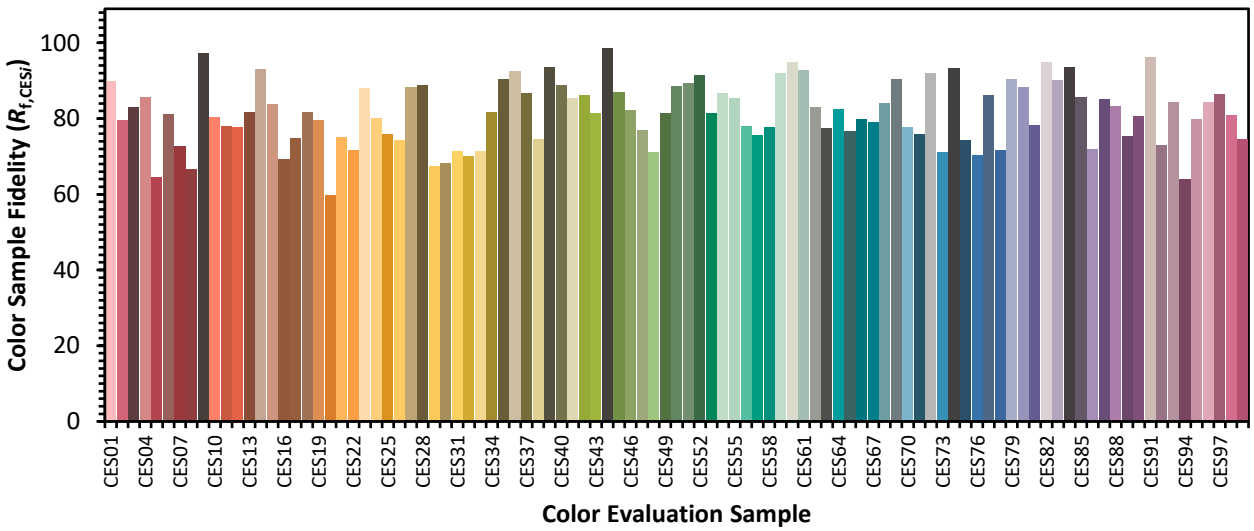
Individual Sample Fidelity Index ($R_{f,i}$)

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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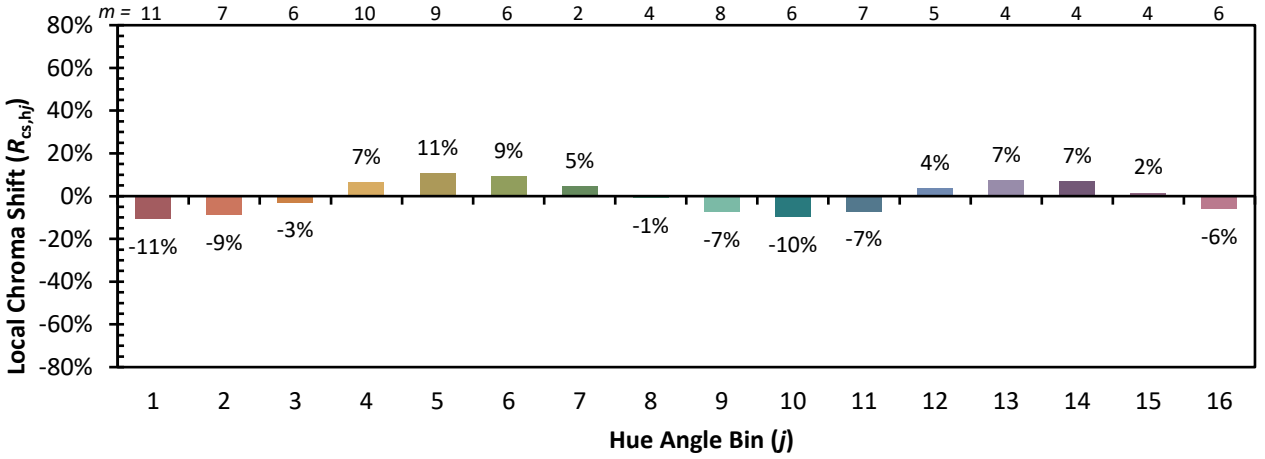
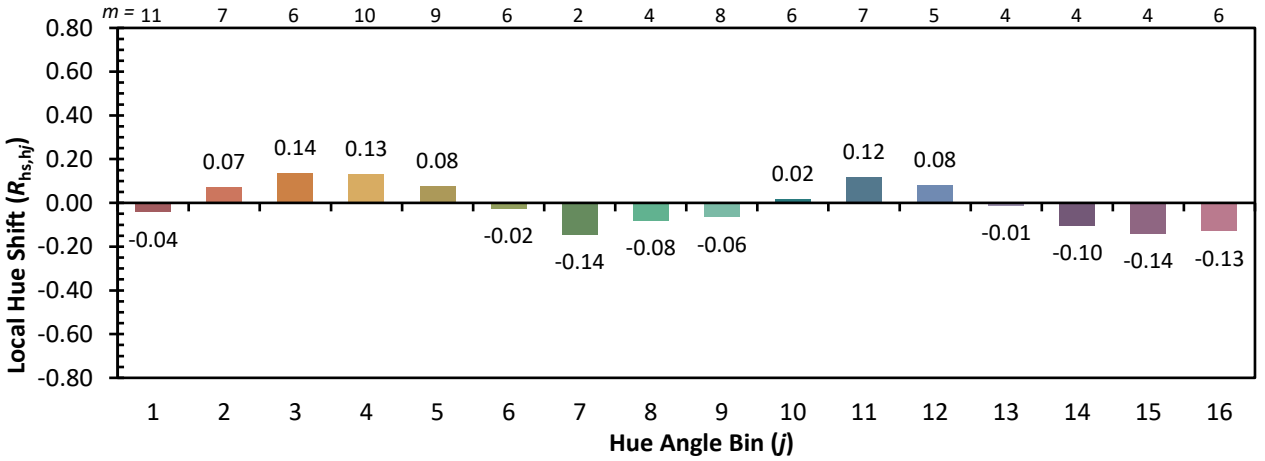
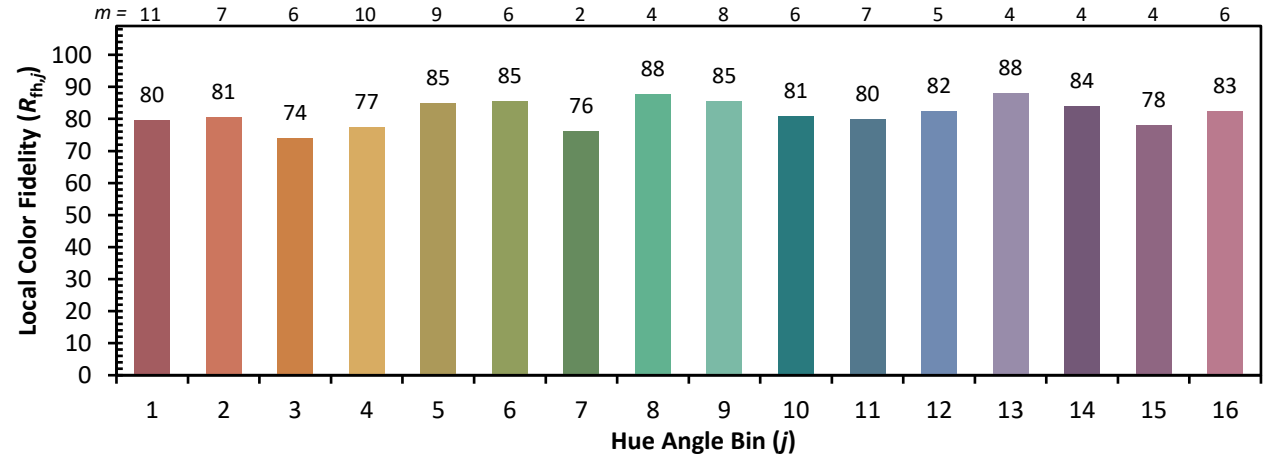
Color Rendition by Hue-Angle Bin







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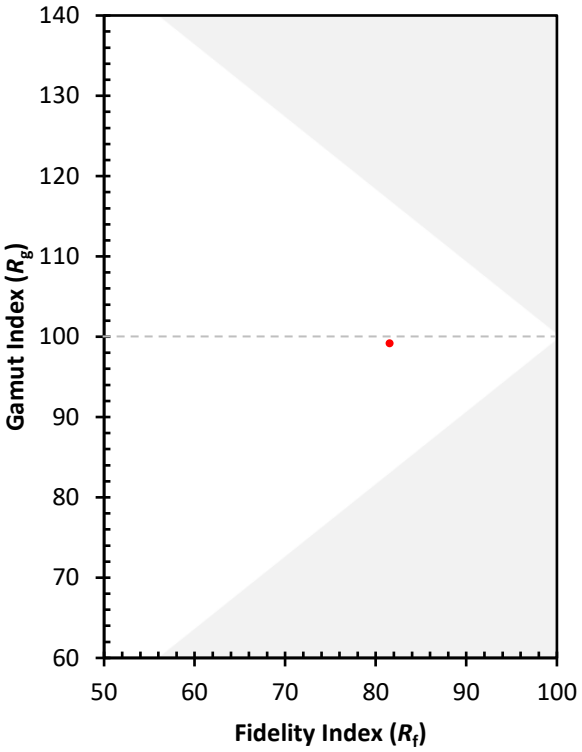
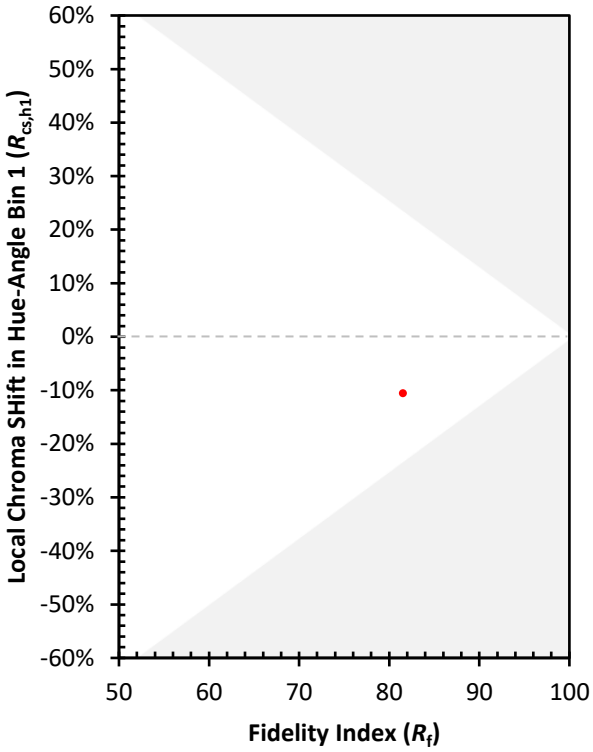
Measure Comparisons





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