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: P642458

Luminaire Tested: GWS-SA6C-830-U-T3-W-HSS

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:	P642458
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-T3-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16559.8 lumens
Efficiency:	N/A
Efficacy:	87.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - 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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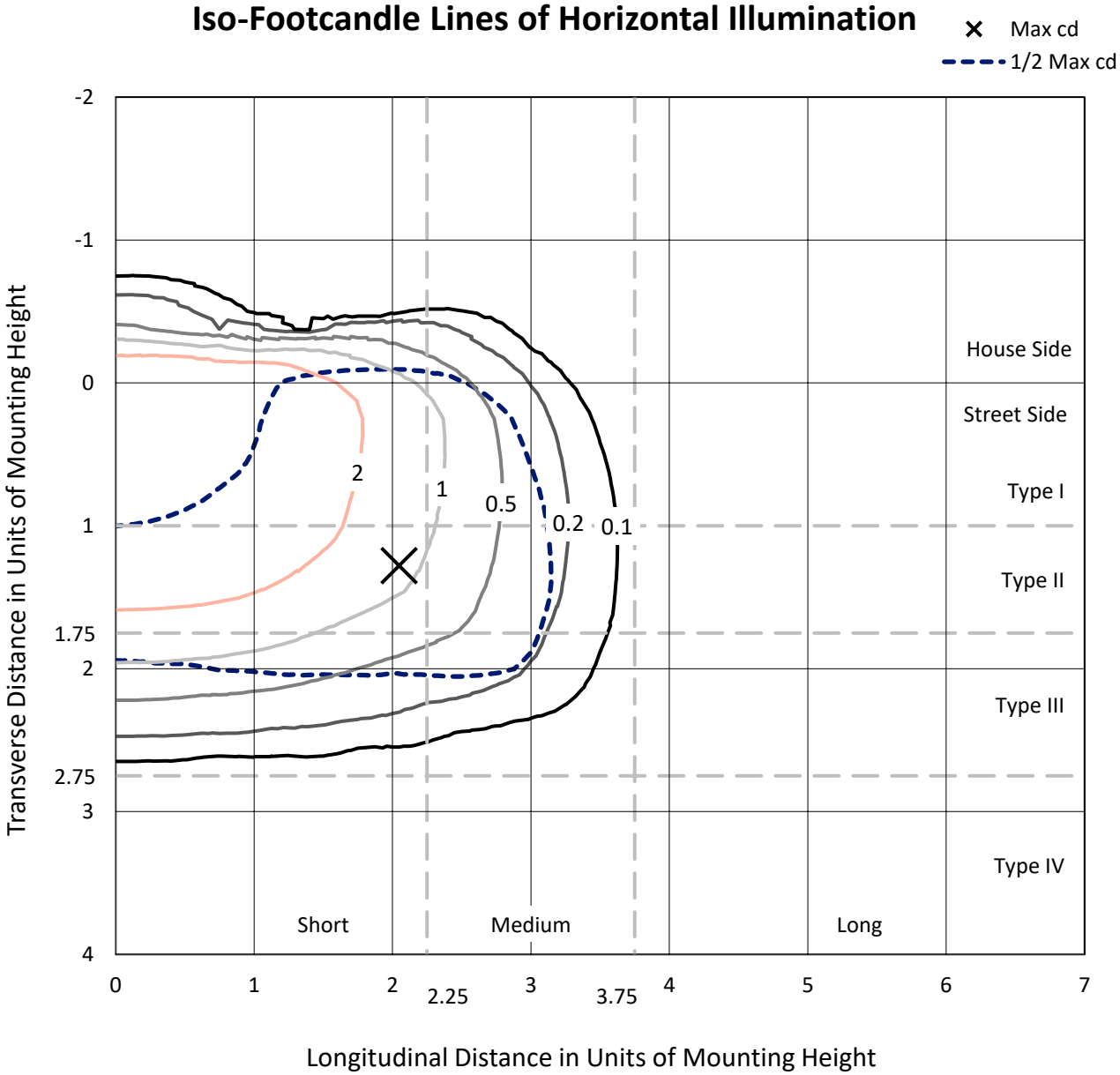
REPORT NUMBER: P642458
CATALOG NUMBER: GWS-SA6C-830-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4 fc
Type III - Short - N/A

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REPORT NUMBER: P642458
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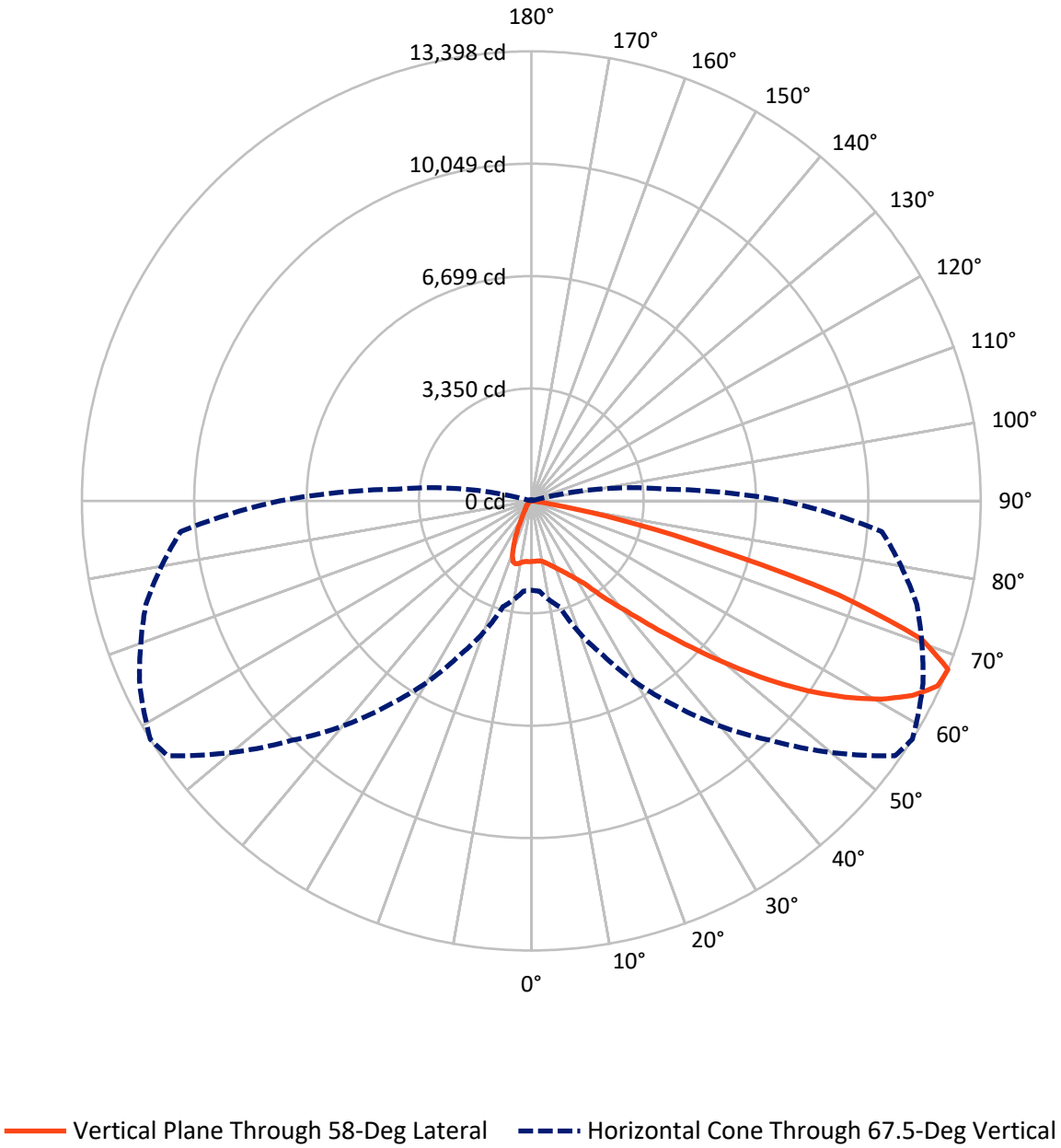
Luminous Intensity Polar Plot



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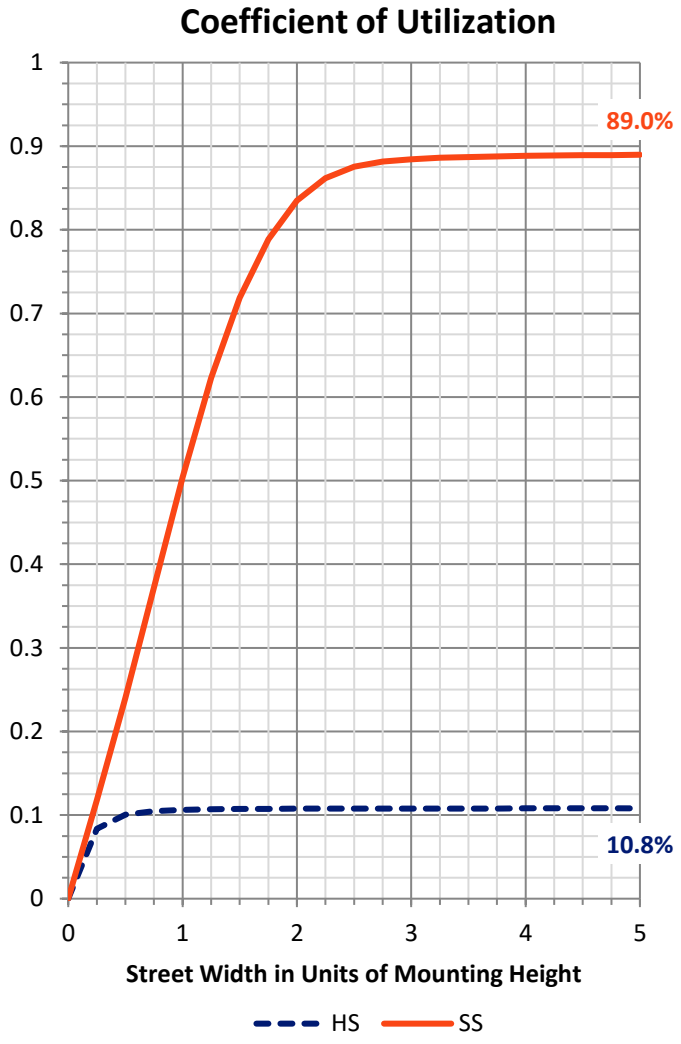
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1806.6	0.0	1806.6
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	14753.2	0.0	14753.2
	% Fixture	89.1	0.0	89.1
Total	Lumens	16559.8	0.0	16559.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.5	1.0
10°-20°	475.9	2.9
20°-30°	830.8	5.0
30°-40°	1483.7	9.0
40°-50°	2711.8	16.4
50°-60°	4510.1	27.2
60°-70°	4898.7	29.6
70°-80°	1438.3	8.7
80°-90°	41.0	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°	16559.8	100.0
0°-180°	16559.8	100.0



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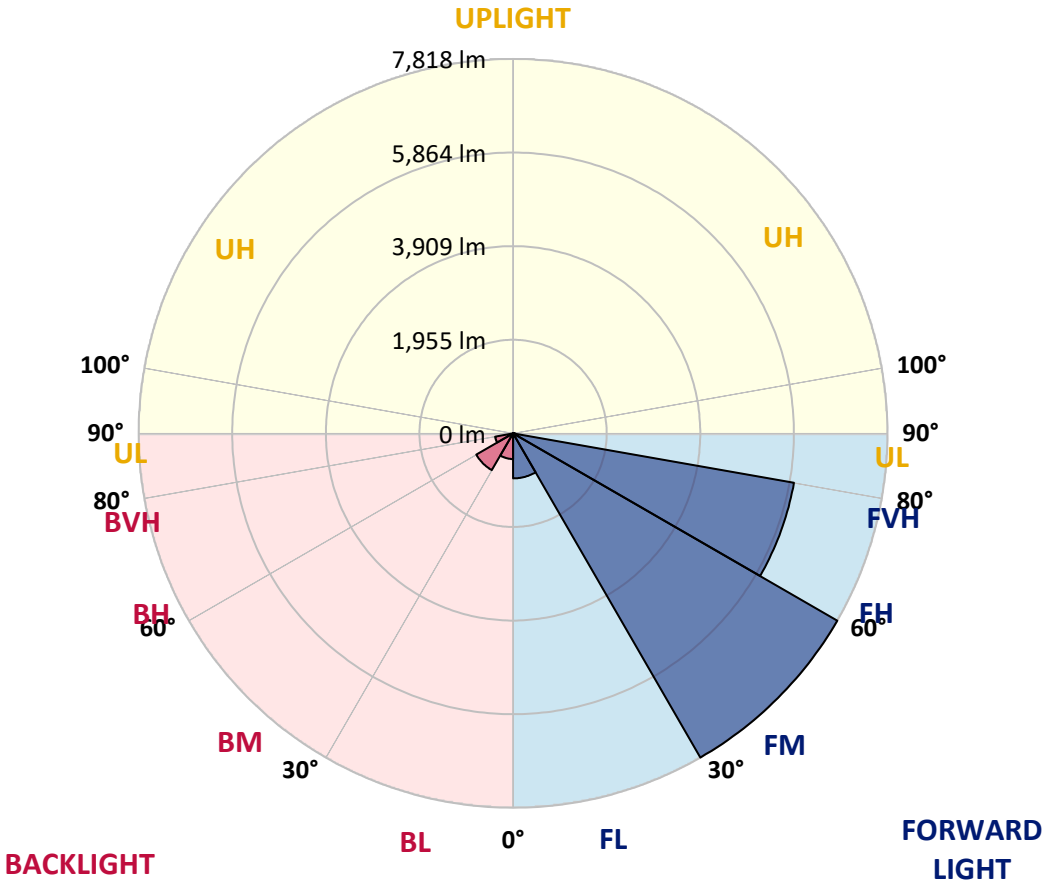
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	940.3	5.7			
FM	(30°-60°)	7818.2	47.2			
FH	(60°-80°)	5955.7	36.0			G3/7500
FVH	(80°-90°)	38.9	0.2			G1/100
BL	(0°-30°)	535.9	3.2	B2/1000		
BM	(30°-60°)	887.4	5.4	B1/1000		
BH	(60°-80°)	381.4	2.3	B1/500		G1/500
BVH	(80°-90°)	2.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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REPORT NUMBER: P642458
CATALOG NUMBER: GWS-SA6C-830-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5
2.5°	1770.6	1767.3	1767.3	1780.3	1781.9	1788.4	1802.9	1804.5	1812.6	1809.4	1798.1
5°	1678.4	1680.0	1689.7	1712.4	1731.8	1756.0	1791.6	1799.7	1817.5	1827.2	1820.7
7.5°	1592.7	1594.3	1608.9	1644.4	1681.6	1730.1	1788.4	1804.5	1840.1	1866.0	1867.6
10°	1560.4	1558.7	1573.3	1613.7	1662.2	1730.1	1814.2	1835.2	1888.6	1933.9	1942.0
12.5°	1570.1	1568.4	1583.0	1620.2	1673.5	1759.2	1859.5	1888.6	1956.5	2026.0	2040.6
15°	1608.9	1607.3	1617.0	1647.7	1705.9	1794.8	1917.7	1961.4	2047.1	2131.1	2153.8
17.5°	1725.3	1717.2	1707.5	1710.7	1744.7	1836.9	1992.1	2045.4	2152.2	2252.4	2271.8
20°	1932.3	1911.2	1885.4	1851.4	1835.2	1898.3	2077.8	2139.2	2268.6	2383.4	2386.6
22.5°	2244.3	2236.3	2176.4	2077.8	2008.3	2009.9	2178.0	2249.2	2407.6	2533.8	2516.0
25°	2679.3	2674.4	2582.3	2420.6	2239.5	2178.0	2305.8	2378.5	2572.6	2706.8	2650.2
27.5°	3219.4	3185.4	3077.1	2858.8	2588.7	2396.3	2467.5	2532.2	2747.2	2873.3	2766.6
30°	3689.9	3691.5	3589.6	3361.7	3057.7	2724.6	2664.7	2721.3	2907.3	3039.9	2910.5
32.5°	4142.6	4157.2	4045.6	3840.3	3507.2	3153.1	2947.7	2957.4	3112.6	3256.6	3099.7
35°	4563.1	4574.4	4496.8	4322.1	4011.7	3601.0	3342.2	3337.4	3421.5	3568.6	3363.3
37.5°	5033.6	5044.9	4968.9	4812.1	4521.0	4113.5	3790.1	3783.7	3817.6	3937.3	3702.8
40°	5534.8	5555.9	5471.8	5339.2	5061.1	4716.7	4310.8	4252.6	4218.6	4359.3	4142.6
42.5°	6042.6	6074.9	6045.8	5913.2	5675.5	5390.9	4986.7	4896.1	4823.4	4999.6	4770.0
45°	6673.2	6712.0	6699.1	6597.2	6412.8	6181.6	5800.0	5694.9	5661.0	5824.3	5551.0
47.5°	7279.5	7321.6	7368.5	7345.8	7214.9	7108.1	6684.5	6624.7	6615.0	6789.6	6366.0
50°	7730.7	7769.5	7949.0	8078.3	8167.2	8144.6	7777.6	7688.6	7674.1	7785.6	7226.2
52.5°	8054.1	8091.3	8338.6	8742.9	9069.5	9247.4	8877.1	8857.7	8778.5	8739.6	8031.4
55°	8304.7	8356.4	8616.8	9228.0	9886.1	10280.6	10049.4	9979.9	9776.1	9553.0	8778.5
57.5°	8354.8	8375.8	8742.9	9567.5	10519.9	11158.6	11158.6	11037.3	10644.4	10335.6	9641.9
60°	7905.3	7970.0	8466.4	9540.0	10791.6	11732.6	12078.7	11994.6	11464.2	11084.2	10473.0
62.5°	6907.6	6980.4	7585.1	8881.9	10519.9	11850.7	12775.6	12762.6	12164.4	11703.5	11161.9
65°	5297.1	5350.5	5877.6	7429.9	9371.9	11396.3	13273.6	13309.2	12717.4	12112.6	11399.5
67.5°	2661.5	2698.7	3267.9	5075.6	7428.3	10088.2	13239.6	13398.1	12885.5	11895.9	10492.4
70°	929.7	966.9	1235.4	2178.0	4521.0	7703.2	12094.8	12353.5	11897.6	10154.5	7740.4
72.5°	318.5	336.3	512.6	808.5	1759.2	4566.3	9197.2	9586.9	8770.4	6817.1	4448.2
75°	181.1	192.4	274.9	438.2	737.3	1502.2	5217.9	5457.2	5112.8	3715.8	1830.4
77.5°	122.9	132.6	171.4	249.0	407.5	483.5	2127.9	2679.3	2336.5	1212.7	467.3
80°	72.8	79.2	105.1	147.1	208.6	187.6	456.0	606.4	781.0	362.2	140.7
82.5°	34.0	38.8	67.9	97.0	105.1	79.2	134.2	163.3	219.9	177.9	58.2
85°	0.0	0.0	22.6	40.4	38.8	22.6	37.2	40.4	59.8	88.9	22.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.9	9.7	17.8	9.7
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: P642458
CATALOG NUMBER: GWS-SA6C-830-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5
2.5°	1811.0	1799.7	1812.6	1806.1	1812.6	1811.0	1798.1	1790.0	1790.0	1775.4	1770.6
5°	1833.6	1822.3	1825.5	1811.0	1807.8	1799.7	1783.5	1777.0	1777.0	1762.5	1757.6
7.5°	1883.8	1866.0	1862.7	1833.6	1820.7	1798.1	1769.0	1757.6	1756.0	1741.5	1736.6
10°	1963.0	1942.0	1927.4	1890.2	1853.0	1807.8	1746.3	1694.6	1665.5	1626.7	1623.4
12.5°	2060.0	2034.1	2011.5	1954.9	1893.5	1791.6	1610.5	1421.3	1304.9	1212.7	1219.2
15°	2168.3	2144.1	2108.5	2022.8	1896.7	1631.5	1253.1	962.1	819.8	743.8	740.6
17.5°	2286.4	2250.8	2192.6	2076.2	1794.8	1246.7	814.9	575.6	501.3	475.4	468.9
20°	2396.3	2352.7	2279.9	2087.5	1500.5	844.1	509.3	446.3	433.3	425.3	425.3
22.5°	2512.8	2457.8	2349.4	2000.2	1115.7	540.1	433.3	418.8	409.1	397.8	396.2
25°	2630.8	2559.6	2412.5	1772.2	730.9	425.3	405.9	389.7	371.9	354.1	349.3
27.5°	2731.0	2638.9	2461.0	1432.6	468.9	383.2	370.3	342.8	318.5	299.1	295.9
30°	2850.7	2732.7	2482.0	1047.8	368.7	337.9	318.5	289.4	260.3	240.9	234.5
32.5°	3010.8	2881.4	2449.7	682.4	326.6	297.5	266.8	232.8	203.7	182.7	179.5
35°	3259.8	3106.2	2300.9	435.0	295.9	257.1	219.9	184.3	160.1	143.9	140.7
37.5°	3563.8	3421.5	2056.8	326.6	265.2	223.1	179.5	145.5	127.7	116.4	113.2
40°	4014.9	3816.0	1754.4	286.2	234.5	189.2	147.1	119.7	106.7	97.0	93.8
42.5°	4600.2	4281.7	1406.8	260.3	205.4	158.5	119.7	98.6	87.3	80.8	79.2
45°	5284.2	4736.1	1039.7	234.5	177.9	131.0	98.6	80.8	72.8	67.9	66.3
47.5°	5984.4	5133.8	717.9	207.0	152.0	108.3	82.5	69.5	63.1	56.6	55.0
50°	6731.4	5470.2	489.9	179.5	129.4	88.9	71.1	63.1	55.0	50.1	48.5
52.5°	7279.5	5594.7	341.2	155.2	110.0	76.0	63.1	56.6	50.1	43.7	42.0
55°	7785.6	5591.4	258.7	131.0	93.8	66.3	56.6	50.1	43.7	38.8	37.2
57.5°	8290.1	5547.8	203.7	111.6	80.8	59.8	50.1	43.7	40.4	34.0	32.3
60°	8616.8	5382.8	158.5	93.8	69.5	51.7	43.7	38.8	34.0	29.1	27.5
62.5°	8789.8	5153.2	121.3	74.4	56.6	45.3	38.8	34.0	29.1	24.3	22.6
65°	8555.3	4745.8	95.4	58.2	43.7	38.8	32.3	27.5	22.6	17.8	16.2
67.5°	*7515.6*	*4002.0*	*74.4*	*46.9*	*34.0*	*29.1*	*27.5*	*22.6*	*16.2*	*12.9*	*11.3*
70°	5311.7	2740.7	58.2	35.6	25.9	22.6	21.0	17.8	12.9	9.7	8.1
72.5°	2915.4	1382.5	42.0	25.9	19.4	17.8	16.2	14.6	11.3	8.1	8.1
75°	1122.2	380.0	30.7	17.8	12.9	12.9	11.3	11.3	9.7	6.5	6.5
77.5°	292.7	113.2	19.4	11.3	8.1	8.1	8.1	6.5	6.5	4.9	4.9
80°	93.8	37.2	11.3	8.1	6.5	4.9	4.9	3.2	4.9	3.2	3.2
82.5°	30.7	12.9	6.5	6.5	4.9	3.2	3.2	1.6	1.6	0.0	0.0
85°	11.3	6.5	4.9	3.2	3.2	3.2	1.6	0.0	0.0	0.0	0.0
87.5°	6.5	3.2	3.2	3.2	3.2	1.6	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

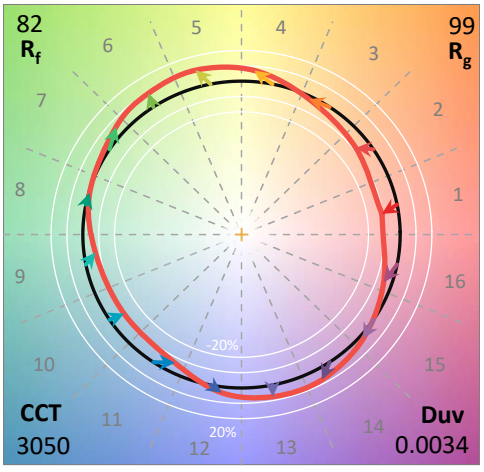
Test Information

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

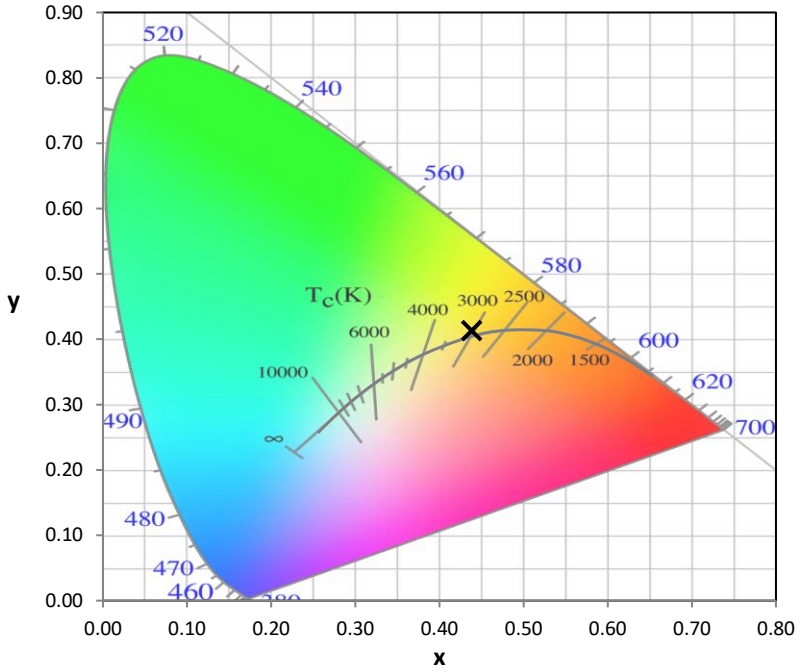
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

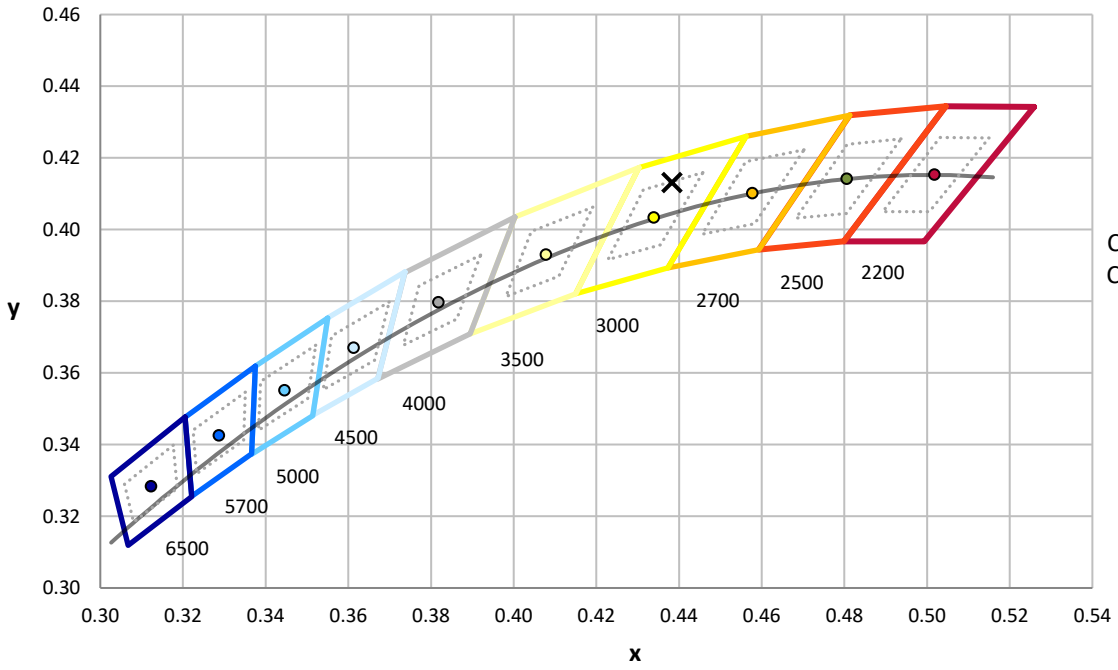
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

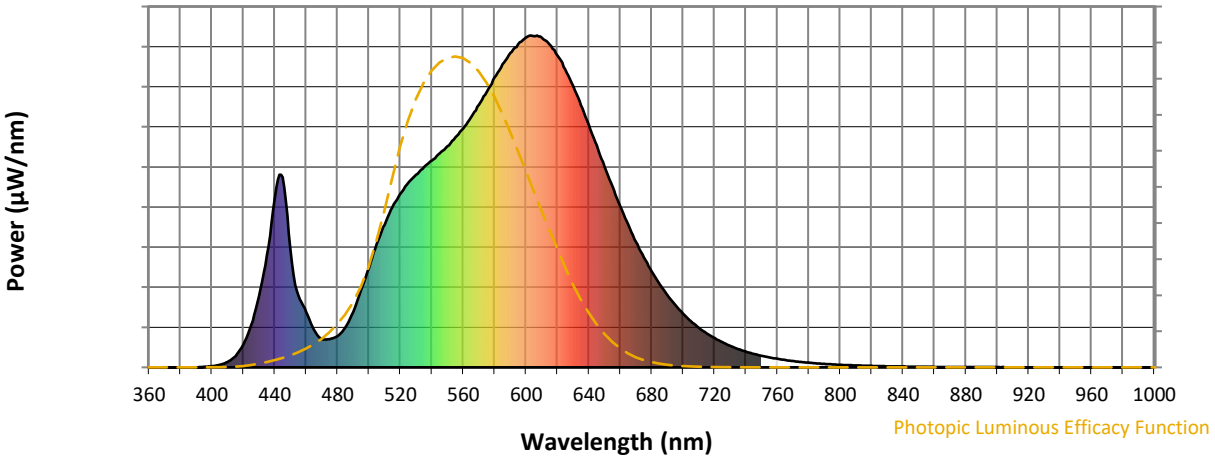


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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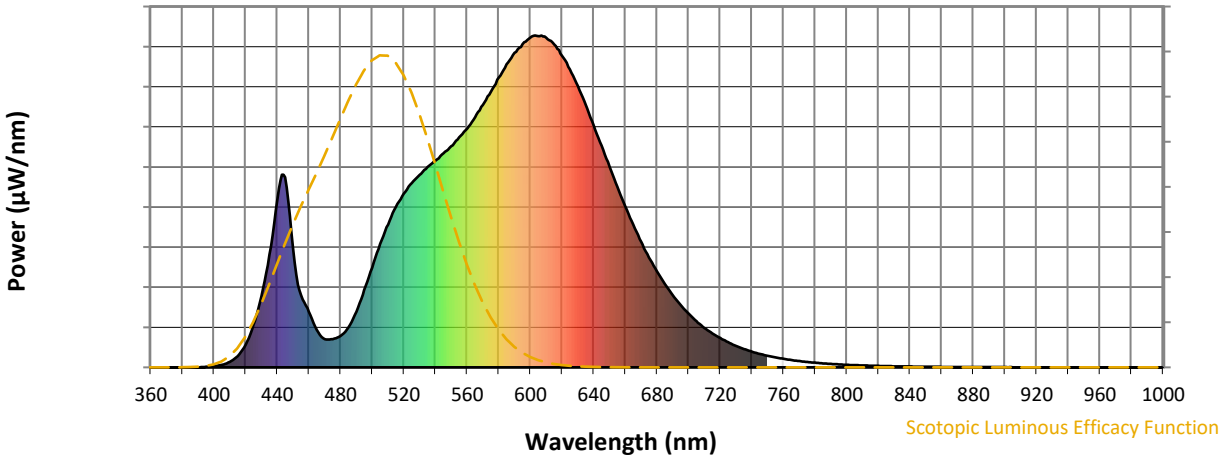
Scotopic Flux vs. Wavelength



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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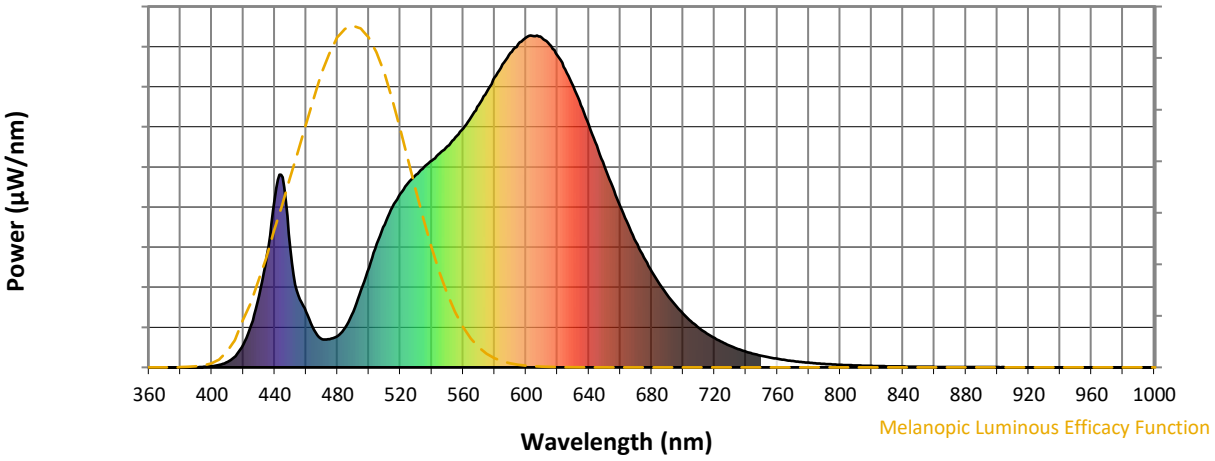
Melanopic Flux vs. Wavelength



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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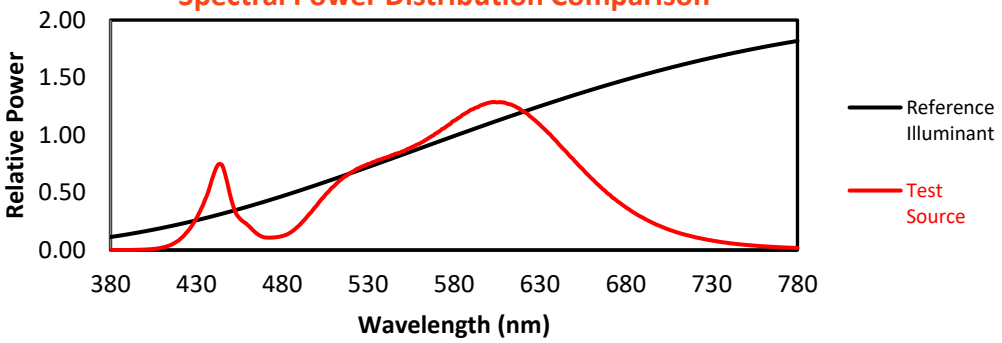
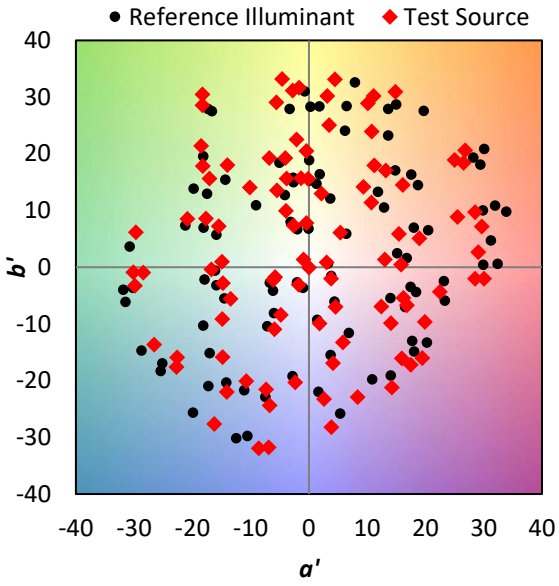
Summary

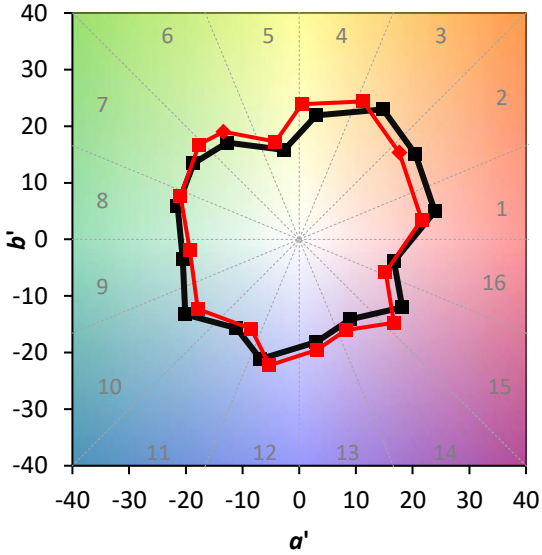
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

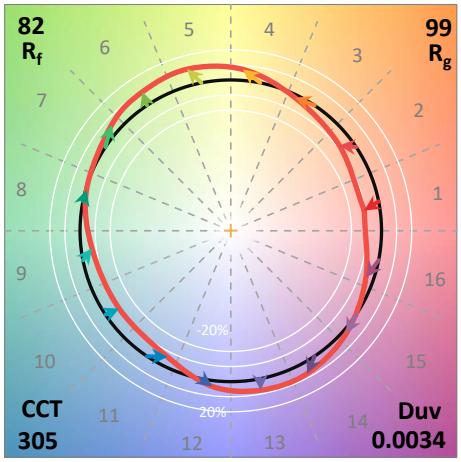
Spectral Power Distribution Comparison

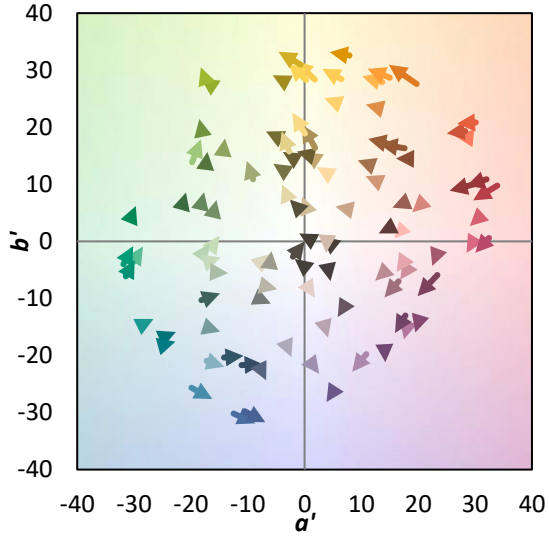


Color Vector Graphics









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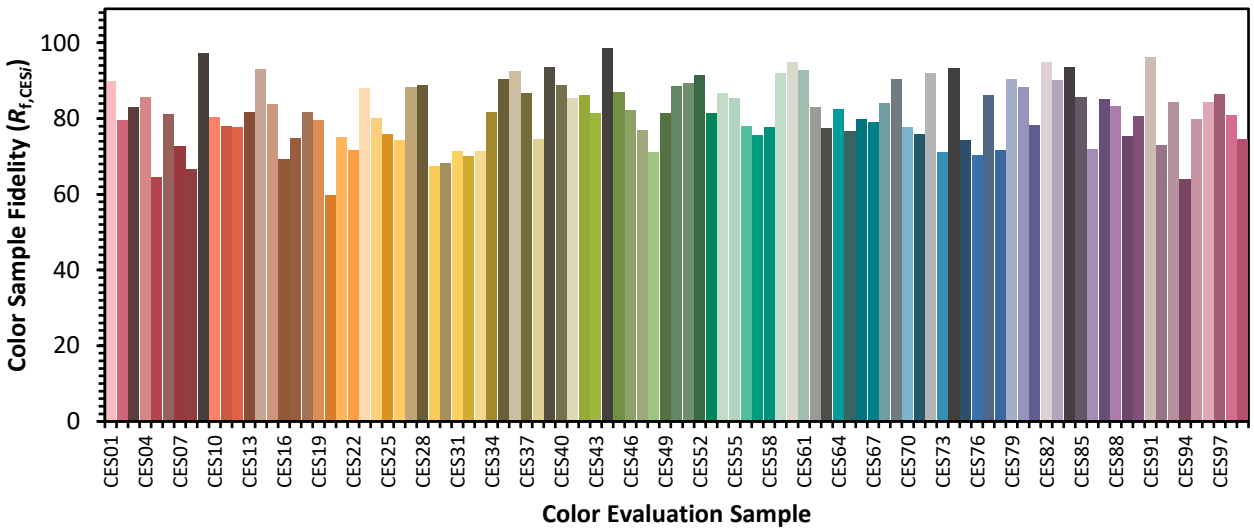
Individual Sample Fidelity Index ($R_{f,i}$)

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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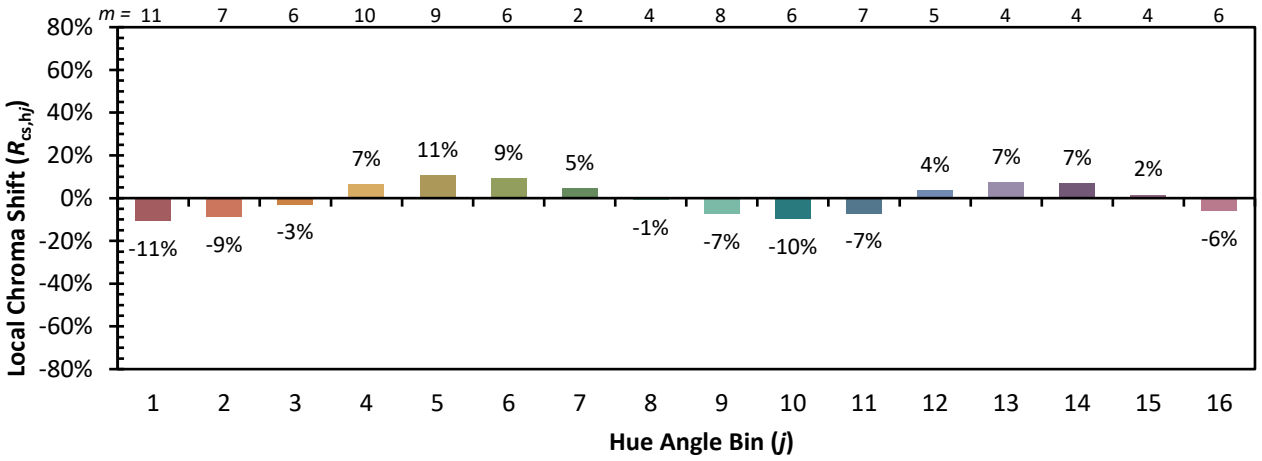
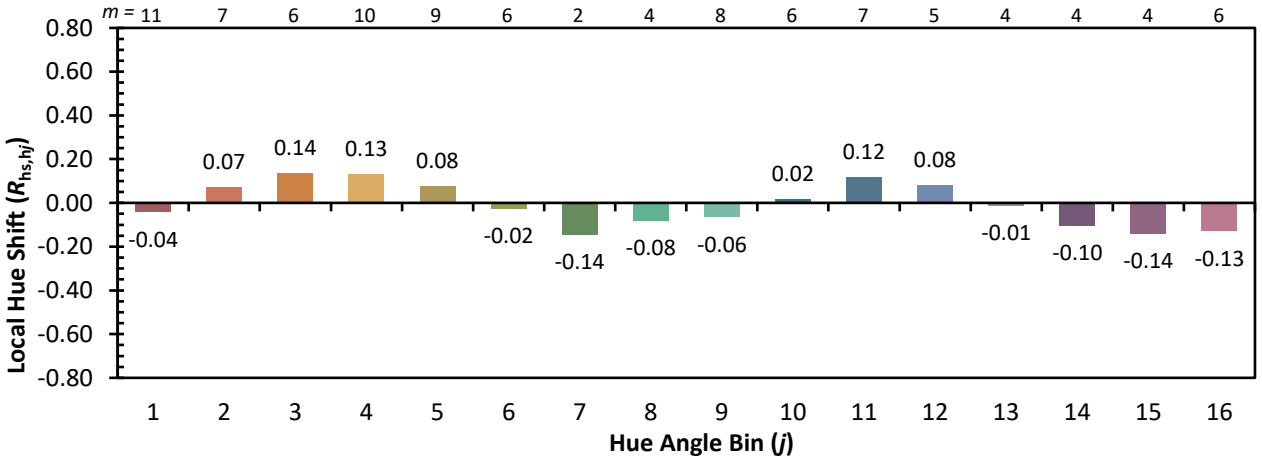
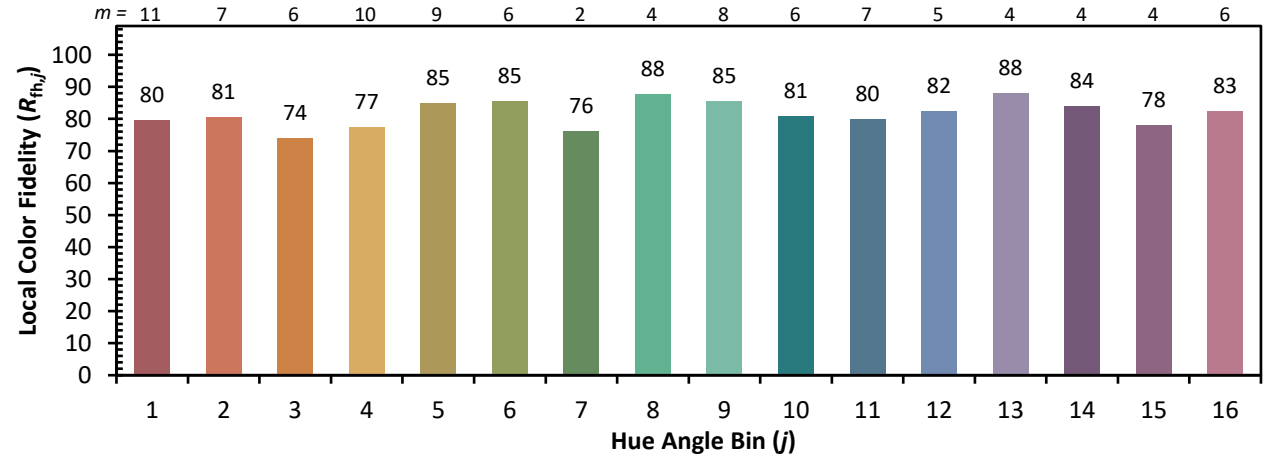
Color Rendition by Hue-Angle Bin







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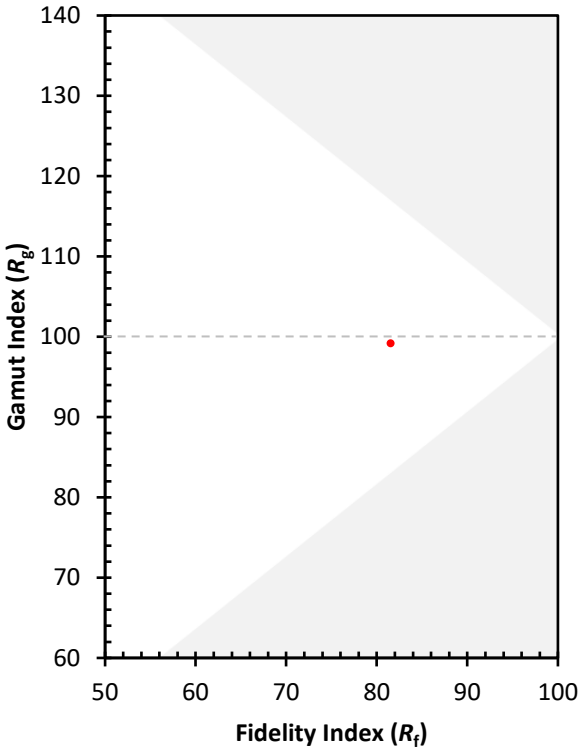
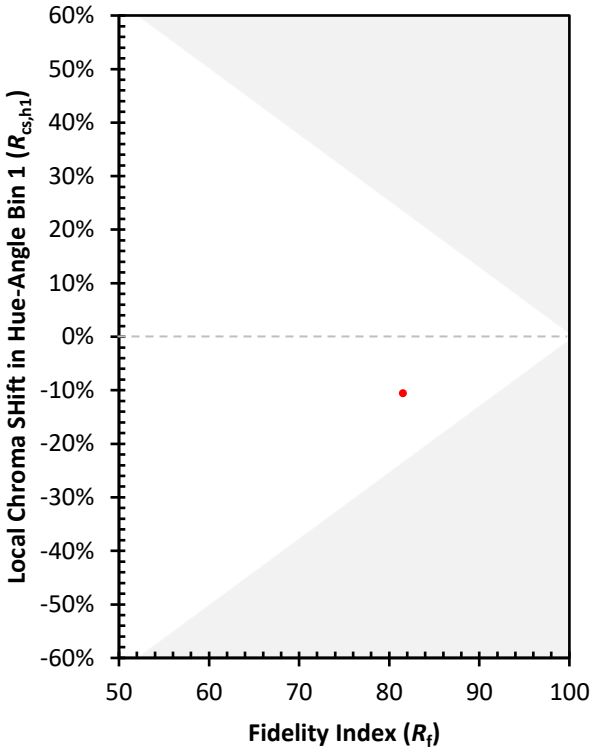
Measure Comparisons





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