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: P633539

Luminaire Tested: GWS-SA2E-830-U-T2-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:	P633539
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA2E-830-U-T2-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSLLED GLARE SHIELD, WH
Light Source:	(32) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9663.6 lumens
Efficiency:	N/A
Efficacy:	89.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	108.2
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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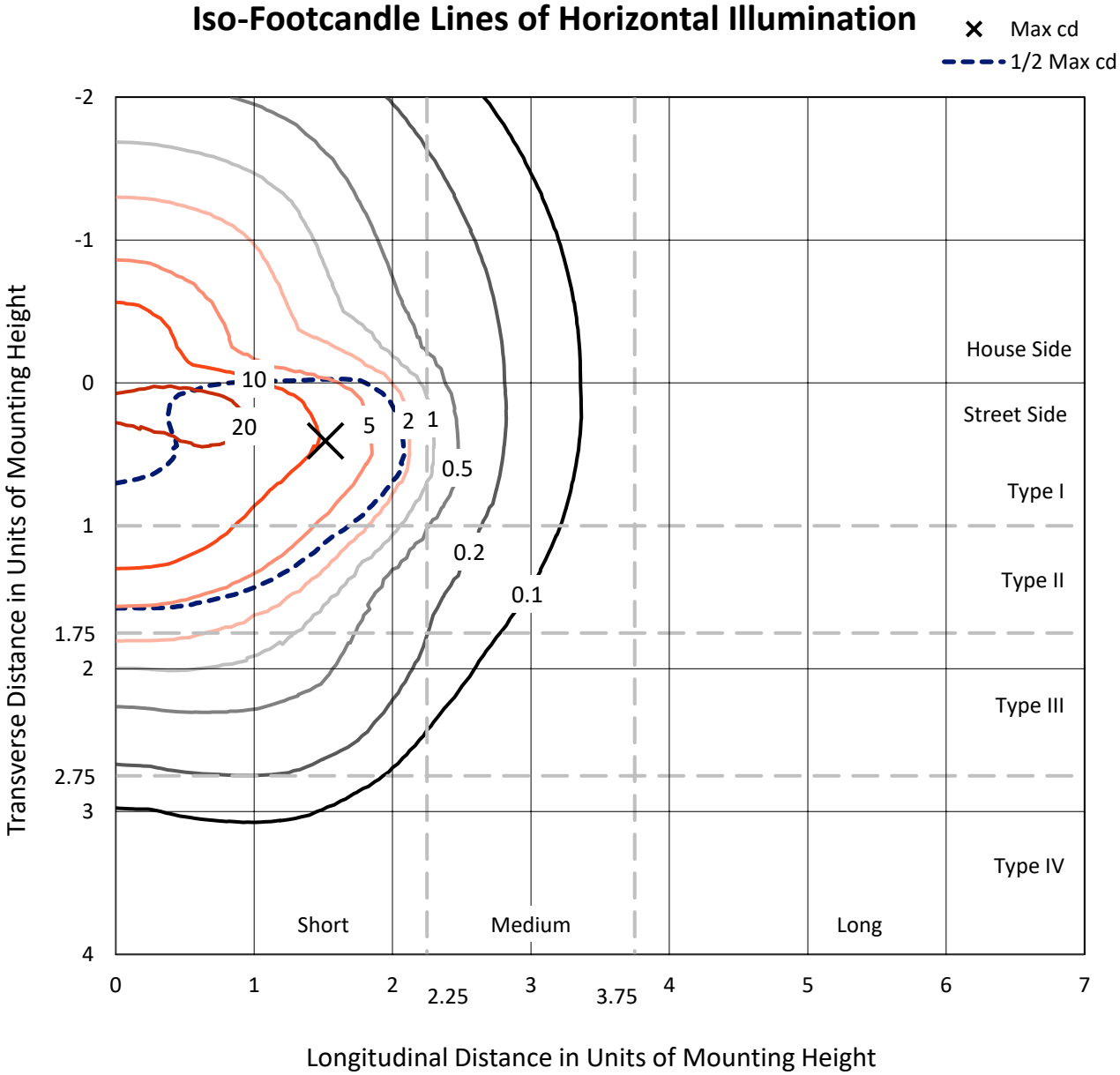
Scaled Data Report

REPORT NUMBER: P633539
CATALOG NUMBER: GWS-SA2E-830-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 25.6 fc
Type II - Short - N/A

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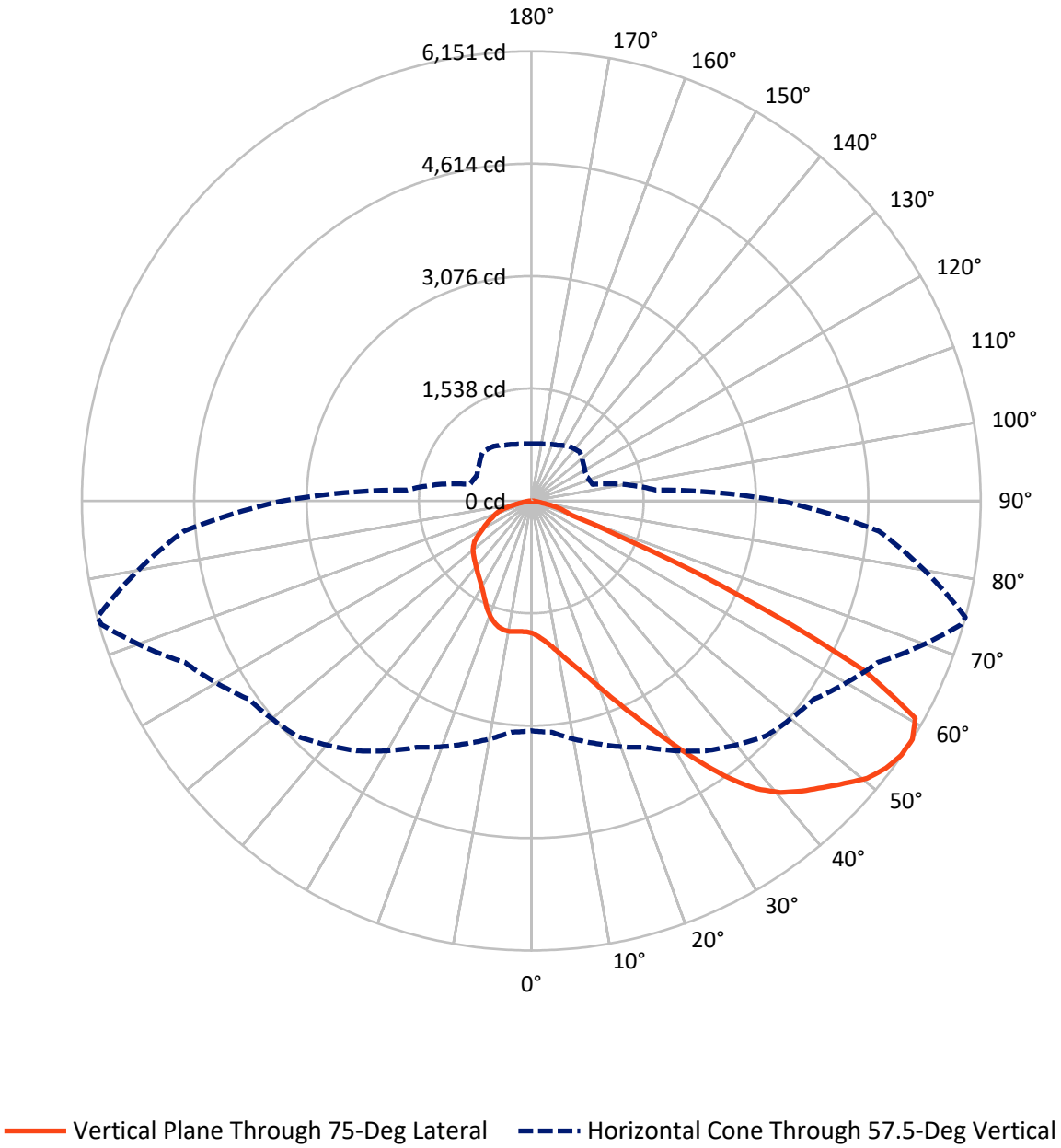
Luminous Intensity Polar Plot



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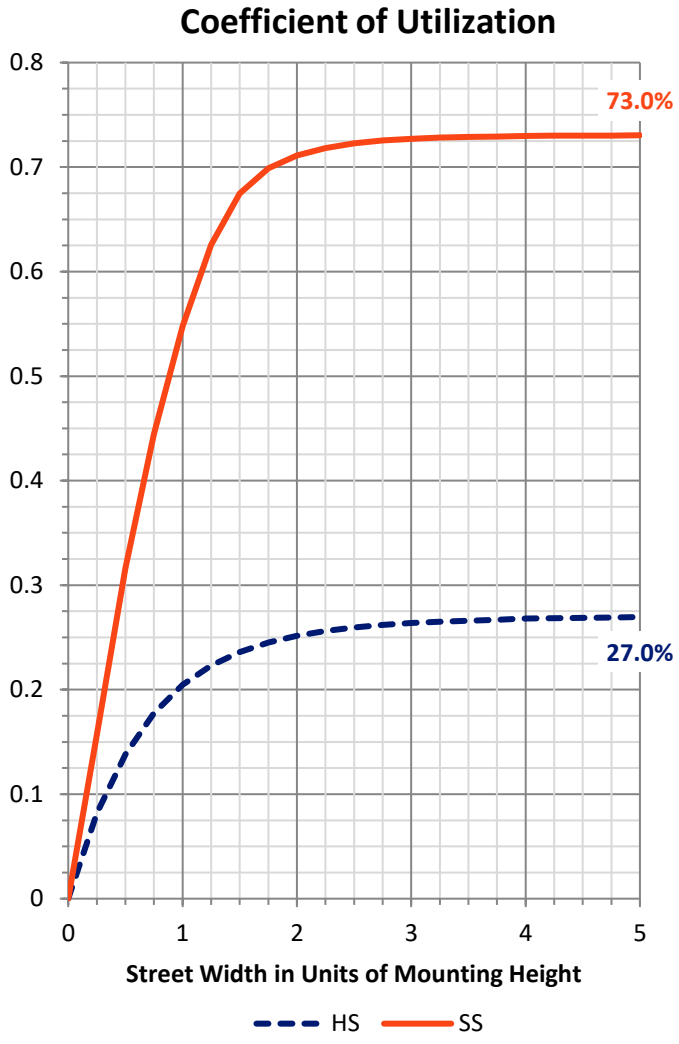
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2614.2	0.0	2614.2
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	7049.4	0.0	7049.4
	% Fixture	72.9	0.0	72.9
Total	Lumens	9663.6	0.0	9663.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.1	1.9
10°-20°	576.6	6.0
20°-30°	1022.6	10.6
30°-40°	1565.4	16.2
40°-50°	2179.7	22.6
50°-60°	2497.5	25.8
60°-70°	1283.2	13.3
70°-80°	323.1	3.3
80°-90°	34.5	0.4
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°	9663.6	100.0
0°-180°	9663.6	100.0



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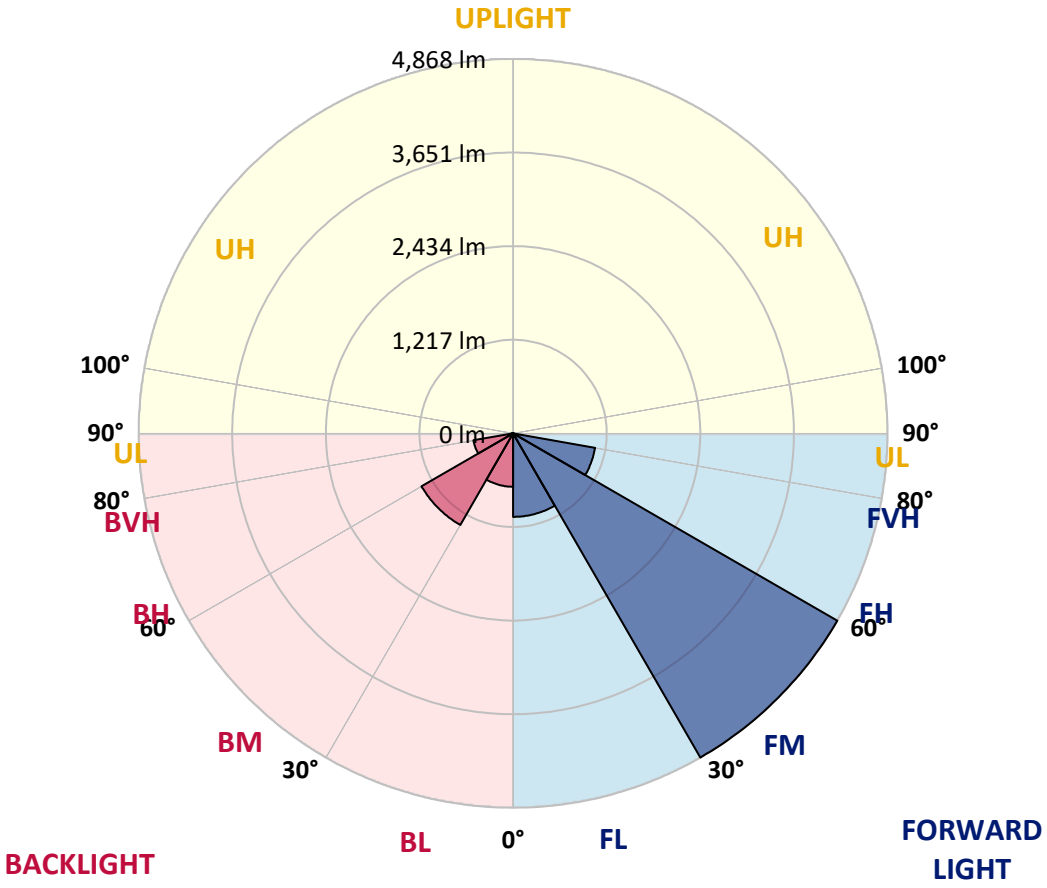
REPORT NUMBER: P633539
CATALOG NUMBER: GWS-SA2E-830-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1085.8	11.2			
FM	(30°-60°)	4867.7	50.4			
FH	(60°-80°)	1083.2	11.2			G1/1800
FVH	(80°-90°)	12.8	0.1			G1/100
BL	(0°-30°)	694.5	7.2	B2/1000		
BM	(30°-60°)	1374.8	14.2	B2/2500		
BH	(60°-80°)	523.1	5.4	B2/1000		G2/1000
BVH	(80°-90°)	21.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P633539
CATALOG NUMBER: GWS-SA2E-830-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1809.8	1809.8	1809.8	1809.8	1809.8	1809.8	1809.8	1809.8	1809.8	*1809.8*	1809.8
2.5°	1944.4	1949.4	1944.4	1952.7	1936.1	1928.6	1910.3	1882.9	1861.3	*1858.0*	1833.9
5°	2095.6	2106.4	2099.8	2096.4	2074.0	2057.4	2030.0	1975.1	1930.2	*1923.6*	1876.2
7.5°	2192.8	2200.3	2200.3	2202.8	2194.5	2175.4	2146.3	2081.5	2018.3	*2008.4*	1936.9
10°	2225.2	2231.0	2241.8	2262.6	2279.2	2285.1	2265.9	2203.6	2126.3	*2116.4*	2016.7
12.5°	2232.7	2239.3	2256.0	2294.2	2339.9	2381.4	2384.8	2339.1	2252.6	*2241.8*	2108.9
15°	2246.8	2253.5	2275.9	2323.3	2390.6	2470.3	2519.4	2487.8	2392.2	*2380.6*	2213.6
17.5°	2245.2	2252.6	2285.9	2349.0	2439.6	2555.1	2649.8	2663.1	2564.2	*2544.3*	2332.4
20°	2241.0	2247.7	2283.4	2360.7	2472.8	2631.5	2802.7	2871.7	2765.3	*2747.0*	2471.2
22.5°	2274.2	2281.7	2309.1	2373.1	2490.3	2690.5	2944.0	3110.2	3003.8	*2978.0*	2630.7
25°	2349.0	2359.8	2376.5	2420.5	2521.9	2742.9	3088.6	3380.2	3271.4	*3240.6*	2804.4
27.5°	2464.5	2477.8	2501.1	2521.9	2592.5	2809.4	3232.3	3682.7	3573.8	*3541.4*	2988.0
30°	2605.8	2623.2	2653.2	2667.3	2715.5	2907.4	3388.5	3994.3	3931.1	*3886.2*	3194.9
32.5°	2801.1	2825.2	2853.4	2857.6	2886.6	3056.2	3543.1	4303.4	4302.5	*4271.0*	3430.1
35°	3055.3	3081.1	3086.9	3092.7	3106.8	3260.6	3730.0	4585.1	4693.9	*4657.3*	3686.0
37.5°	3332.9	3370.2	3379.4	3353.6	3373.6	3506.5	3940.3	4811.1	5034.6	*4995.5*	3933.6
40°	3629.5	3644.4	3669.4	3628.7	3653.6	3788.2	4146.3	4955.7	5288.9	*5247.3*	4128.9
42.5°	3842.2	3869.6	3907.0	3892.1	3906.2	4029.2	4290.9	5025.5	5470.0	*5428.4*	4269.3
45°	4073.2	4081.5	4105.6	4102.3	4110.6	4225.3	4394.8	5056.2	5632.0	*5594.6*	4389.0
47.5°	4274.3	4286.8	4302.5	4284.3	4266.0	4340.8	4479.5	5082.8	5819.0	*5774.1*	4514.4
50°	4467.9	4478.7	4497.8	4444.6	4376.5	4395.6	4521.1	5119.3	5994.3	*5962.7*	4613.3
52.5°	4503.6	4515.3	4605.0	4615.8	4528.6	4461.3	4594.2	5199.9	6097.3	*6077.4*	4649.0
55°	4054.1	4074.9	4253.5	4458.8	4674.0	4652.4	4711.4	5242.3	6138.1	*6143.0*	4713.0
57.5°	*3146.7*	*3176.6*	*3437.5*	*3719.2*	*4172.1*	*4546.8*	*4726.3*	*5231.5*	*6123.9*	*6151.4*	*4778.7*
60°	2064.0	2081.5	2390.6	2706.3	3175.8	3694.3	4230.3	5037.1	5998.5	*6037.5*	4762.0
62.5°	1246.4	1266.3	1514.8	1754.1	2030.8	2377.3	2869.2	4048.3	5027.9	*5115.2*	3814.0
65°	870.0	896.6	1114.3	1311.2	1406.8	1335.3	1453.3	2261.0	3132.6	*3169.2*	2330.8
67.5°	630.7	649.0	827.6	1061.9	1167.5	943.1	718.8	1001.3	1364.4	*1377.7*	961.4
70°	413.0	433.7	595.8	808.5	953.1	764.5	537.6	541.8	574.2	*580.8*	558.4
72.5°	226.8	239.3	368.1	536.8	563.4	457.0	419.6	450.4	472.8	*472.8*	478.6
75°	117.2	128.0	150.4	177.0	213.5	250.1	302.5	348.2	372.3	*373.9*	371.4
77.5°	59.8	64.0	80.6	87.2	95.6	111.3	144.6	185.3	206.9	*215.2*	213.5
80°	28.3	29.9	34.1	39.9	49.0	62.3	78.1	93.1	106.4	*108.0*	117.2
82.5°	15.0	16.6	18.3	21.6	26.6	33.2	45.7	54.8	63.2	*64.8*	72.3
85°	5.8	6.6	7.5	8.3	11.6	14.1	19.1	25.8	31.6	*31.6*	37.4
87.5°	0.0	0.0	0.0	0.0	0.8	1.7	3.3	4.2	5.8	*5.8*	10.0
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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CATALOG NUMBER: GWS-SA2E-830-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1809.8	1809.8	1809.8	1809.8	1809.8	1809.8	1809.8	1809.8	1809.8	1809.8	1809.8
2.5°	1828.0	1803.9	1793.1	1775.7	1761.6	1745.8	1733.3	1724.2	1718.4	1715.0	1711.7
5°	1858.0	1821.4	1792.3	1757.4	1733.3	1710.0	1690.9	1677.6	1671.0	1666.0	1662.7
7.5°	1904.5	1855.5	1800.6	1746.6	1704.2	1666.8	1642.7	1628.6	1619.5	1616.2	1613.7
10°	1968.5	1900.3	1809.8	1724.2	1661.0	1620.3	1603.7	1597.0	1597.9	1596.2	1595.4
12.5°	2040.8	1947.7	1807.3	1684.3	1614.5	1590.4	1591.2	1602.0	1614.5	1617.8	1618.6
15°	2118.9	1994.2	1783.2	1632.8	1577.9	1580.4	1602.0	1627.8	1651.1	1660.2	1661.9
17.5°	2203.6	2033.3	1739.1	1576.3	1548.0	1574.6	1614.5	1656.9	1690.9	1705.9	1710.0
20°	2298.3	2066.5	1676.8	1520.6	1519.8	1563.8	1622.0	1677.6	1720.9	1740.8	1744.1
22.5°	2398.9	2087.3	1600.4	1469.1	1490.7	1549.7	1616.2	1674.3	1720.0	1740.0	1744.1
25°	2500.3	2093.9	1516.4	1421.7	1460.8	1527.2	1587.9	1634.4	1677.6	1695.1	1698.4
27.5°	2595.0	2074.8	1436.7	1381.0	1433.4	1494.0	1534.7	1559.7	1589.6	1602.9	1605.4
30°	2691.4	2036.6	1369.4	1348.6	1402.6	1448.3	1466.6	1468.2	1479.9	1479.9	1481.5
32.5°	2788.6	1980.1	1310.4	1317.0	1364.4	1394.3	1396.8	1377.7	1363.6	1340.3	1339.5
35°	2900.8	1922.8	1262.2	1281.3	1319.5	1337.8	1330.3	1293.8	1259.7	1221.5	1219.8
37.5°	3004.6	1863.8	1221.5	1244.7	1268.8	1282.1	1264.7	1220.6	1192.4	1153.3	1147.5
40°	3090.2	1810.6	1182.4	1206.5	1218.1	1229.8	1201.5	1165.8	1169.9	1148.3	1147.5
42.5°	3140.1	1759.1	1145.8	1164.1	1171.6	1179.9	1155.0	1128.4	1150.8	1134.2	1135.0
45°	3176.6	1714.2	1112.6	1119.3	1137.5	1150.0	1126.7	1096.8	1101.8	1037.8	1022.9
47.5°	3218.2	1689.3	1081.0	1074.4	1106.8	1128.4	1092.7	1049.5	1019.5	956.4	950.6
50°	3262.2	1680.1	1047.8	1029.5	1068.6	1089.3	1047.8	993.8	954.7	920.7	917.3
52.5°	3277.2	1679.3	1006.3	975.5	1014.6	1043.6	1008.7	953.9	907.4	874.1	872.5
55°	3336.2	1703.4	953.1	901.6	938.1	997.9	972.2	893.2	855.9	840.9	839.2
57.5°	*3405.1*	*1707.6*	*869.2*	*821.0*	*871.6*	*942.3*	*909.9*	*841.7*	*801.0*	*782.7*	*781.1*
60°	3376.9	1605.4	779.4	759.5	815.1	889.9	860.0	801.0	753.7	736.2	734.5
62.5°	2573.4	1133.4	713.8	706.3	754.5	814.3	808.5	747.0	702.1	689.7	688.0
65°	1548.0	796.0	650.6	649.8	683.9	741.2	748.7	698.8	651.4	634.0	634.0
67.5°	765.3	609.1	579.2	575.0	596.6	637.3	668.9	628.2	588.3	571.7	569.2
70°	540.9	536.8	526.8	515.2	519.3	535.9	549.2	515.2	472.8	456.2	452.9
72.5°	467.8	468.6	462.0	452.9	449.5	437.9	426.3	401.3	375.6	358.1	359.8
75°	363.1	364.8	368.9	365.6	356.5	344.0	331.5	300.0	279.2	262.6	259.2
77.5°	211.9	220.2	233.5	230.2	231.8	214.4	209.4	178.6	159.5	147.9	145.4
80°	119.7	124.6	130.5	134.6	129.6	122.1	111.3	94.7	88.9	80.6	78.9
82.5°	72.3	77.3	79.8	83.1	81.4	71.5	63.2	52.3	47.4	43.2	42.4
85°	36.6	39.9	42.4	44.0	39.1	32.4	29.1	23.3	19.9	17.4	17.4
87.5°	9.1	10.0	11.6	10.0	9.1	4.2	3.3	0.8	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

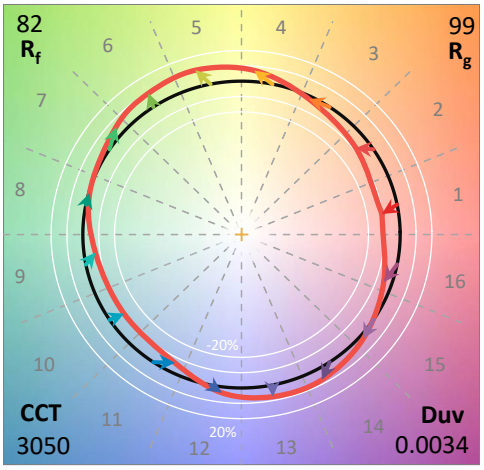
Test Information

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

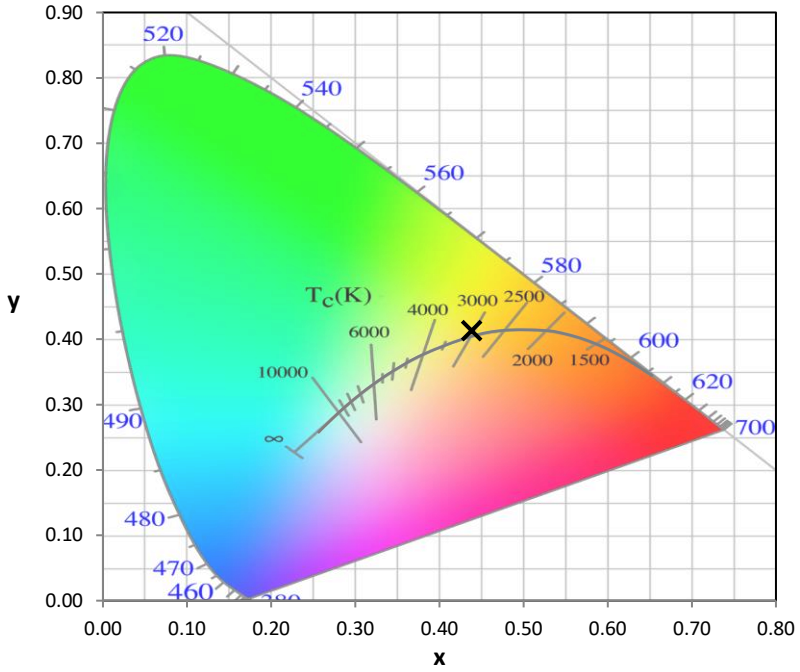
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

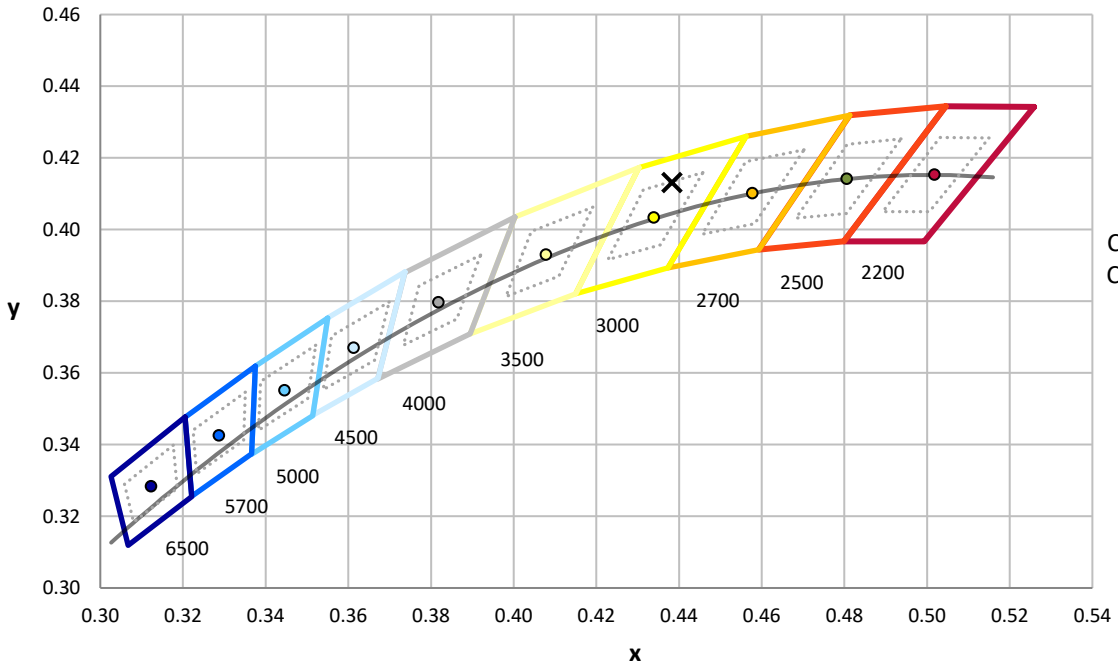
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

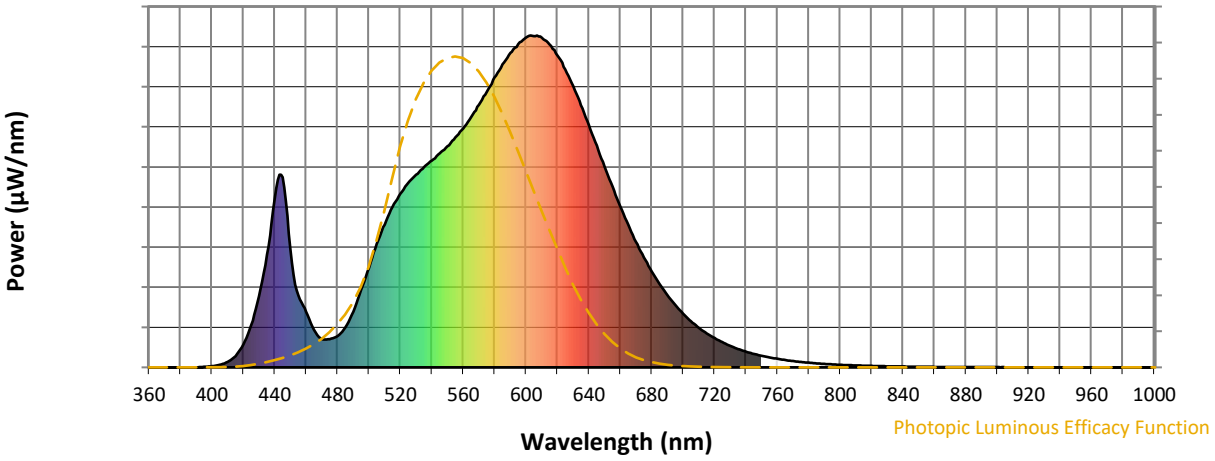


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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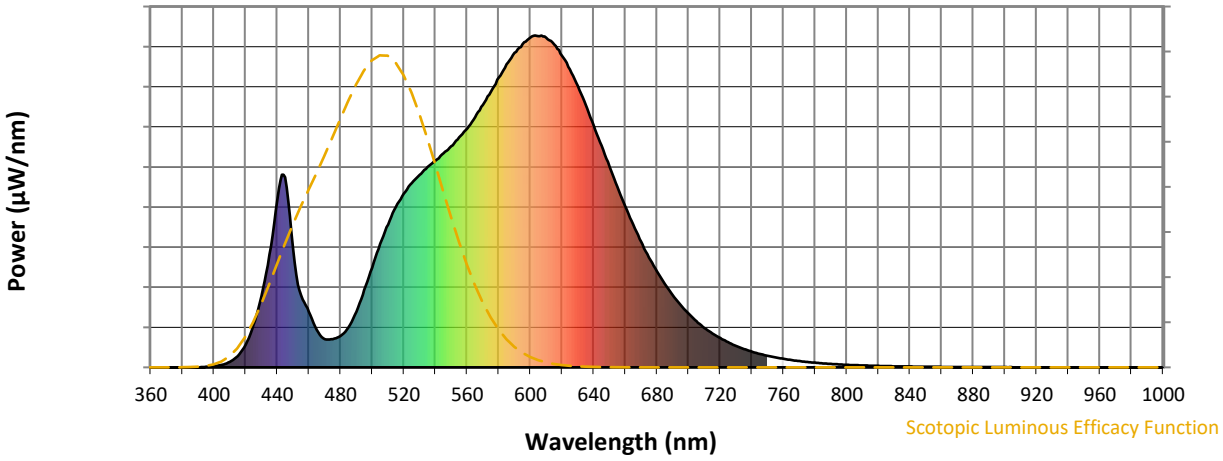
Scotopic Flux vs. Wavelength



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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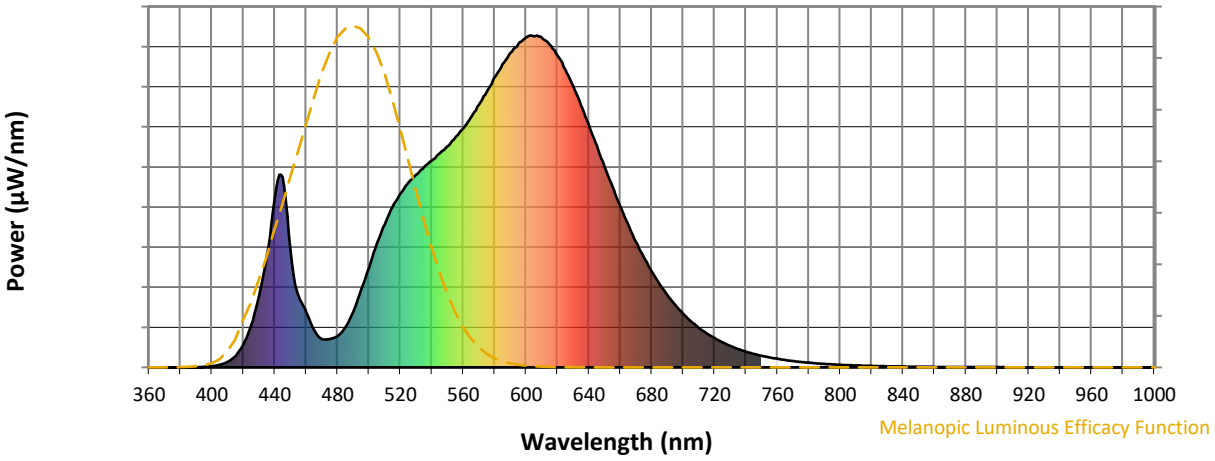
Melanopic Flux vs. Wavelength



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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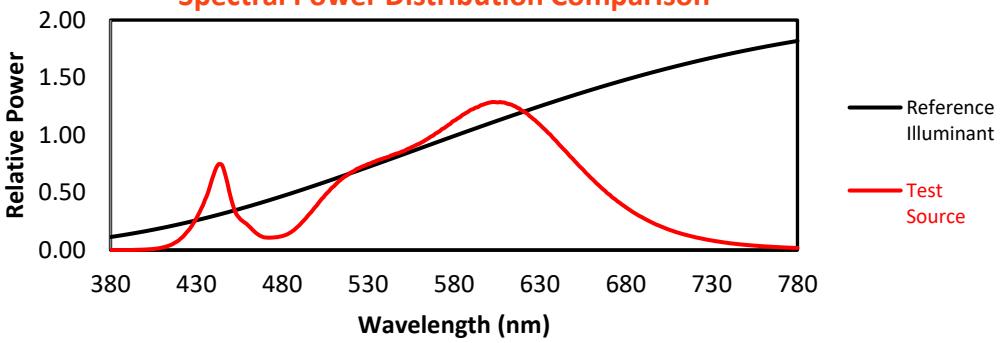
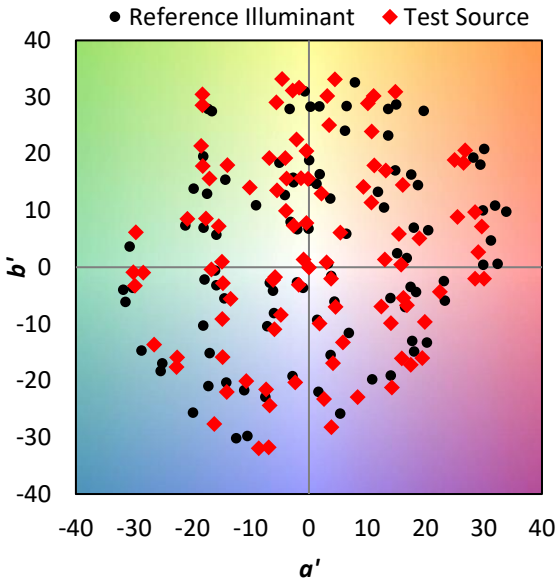
Summary

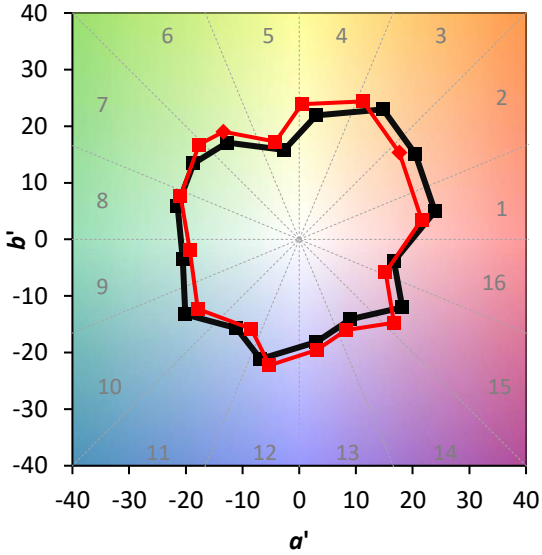
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

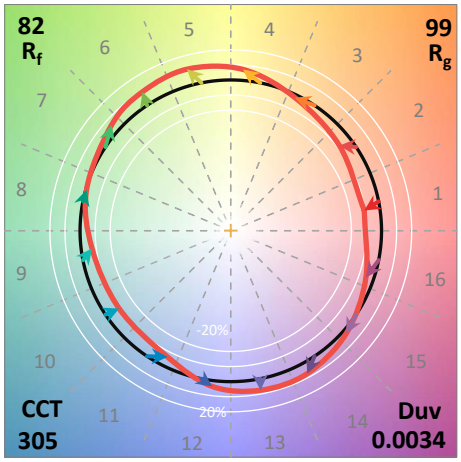
Spectral Power Distribution Comparison

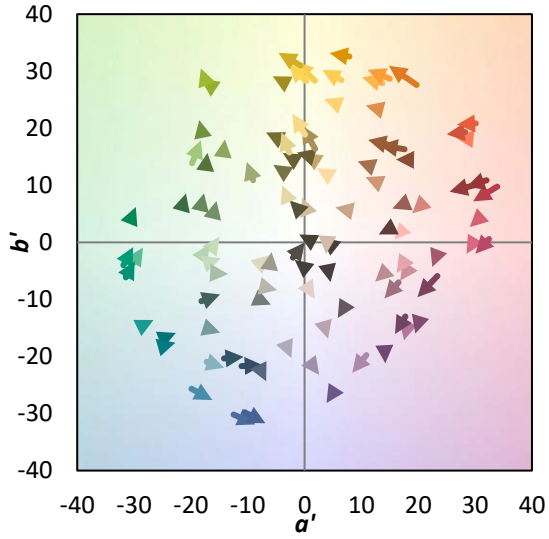


Color Vector Graphics









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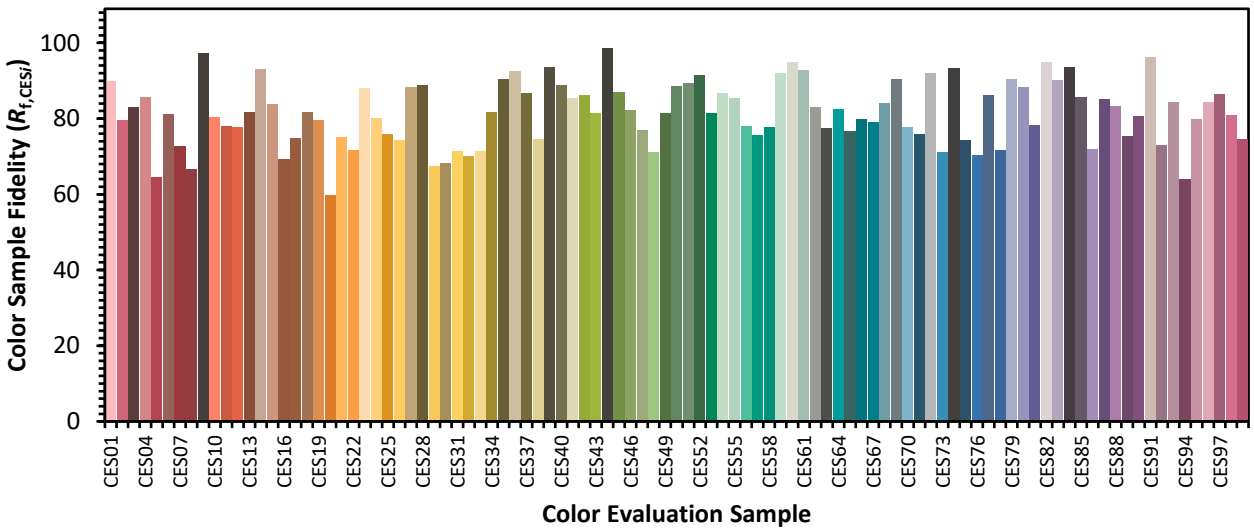
Individual Sample Fidelity Index ($R_{f,i}$)

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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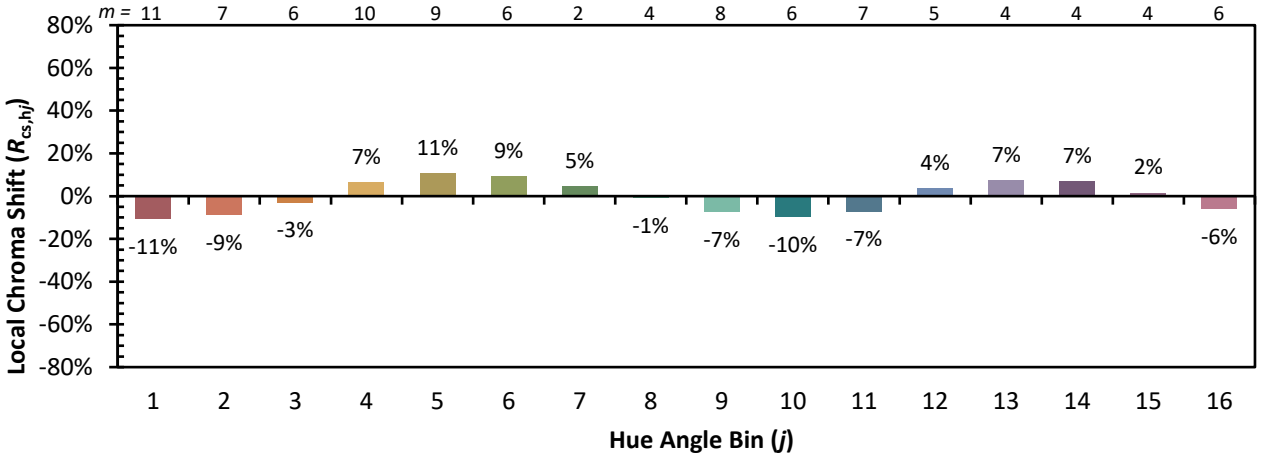
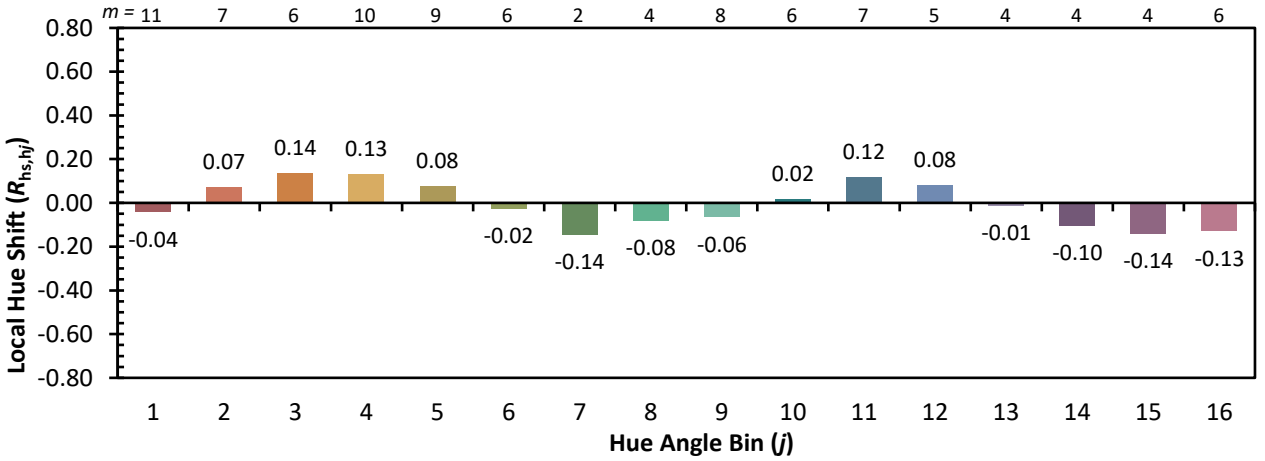
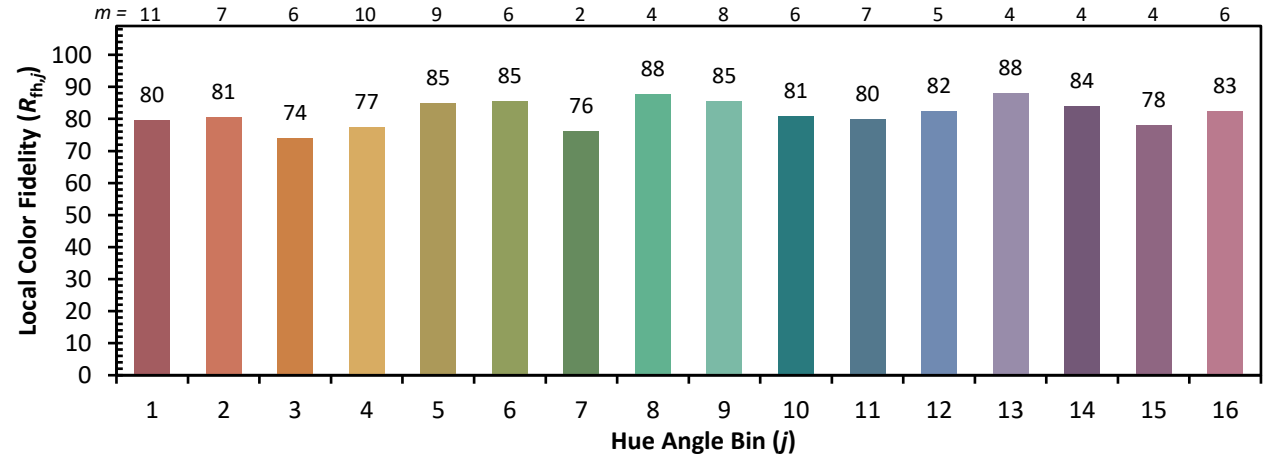
Color Rendition by Hue-Angle Bin







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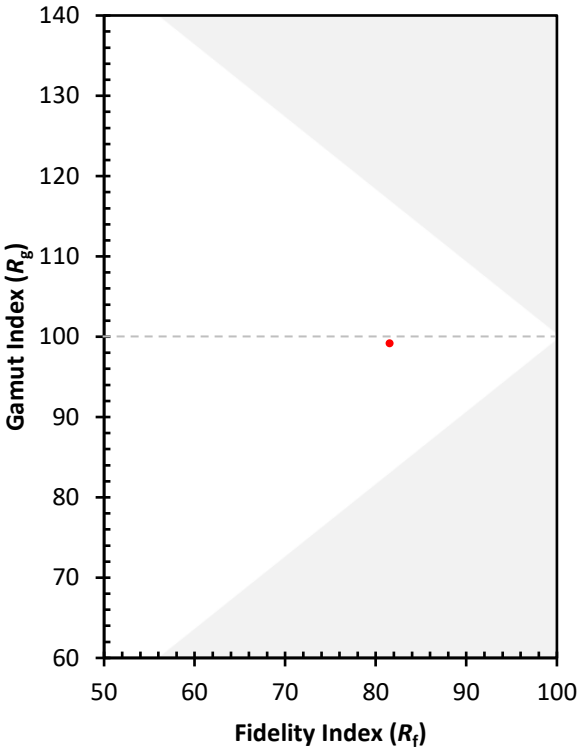
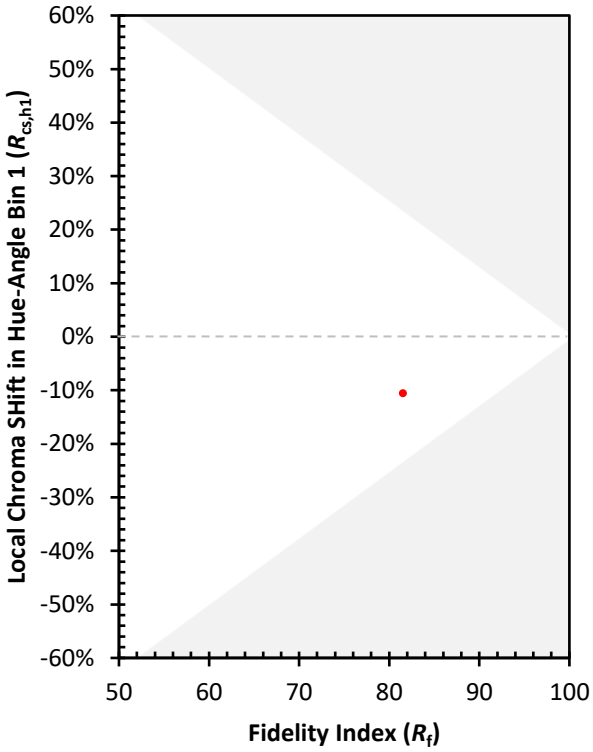
Measure Comparisons





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