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: P642950

Luminaire Tested: GWS-SA6D-830-U-T2R-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:	P642950
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-T2R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29016.3 lumens
Efficiency:	N/A
Efficacy:	118.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	245.7
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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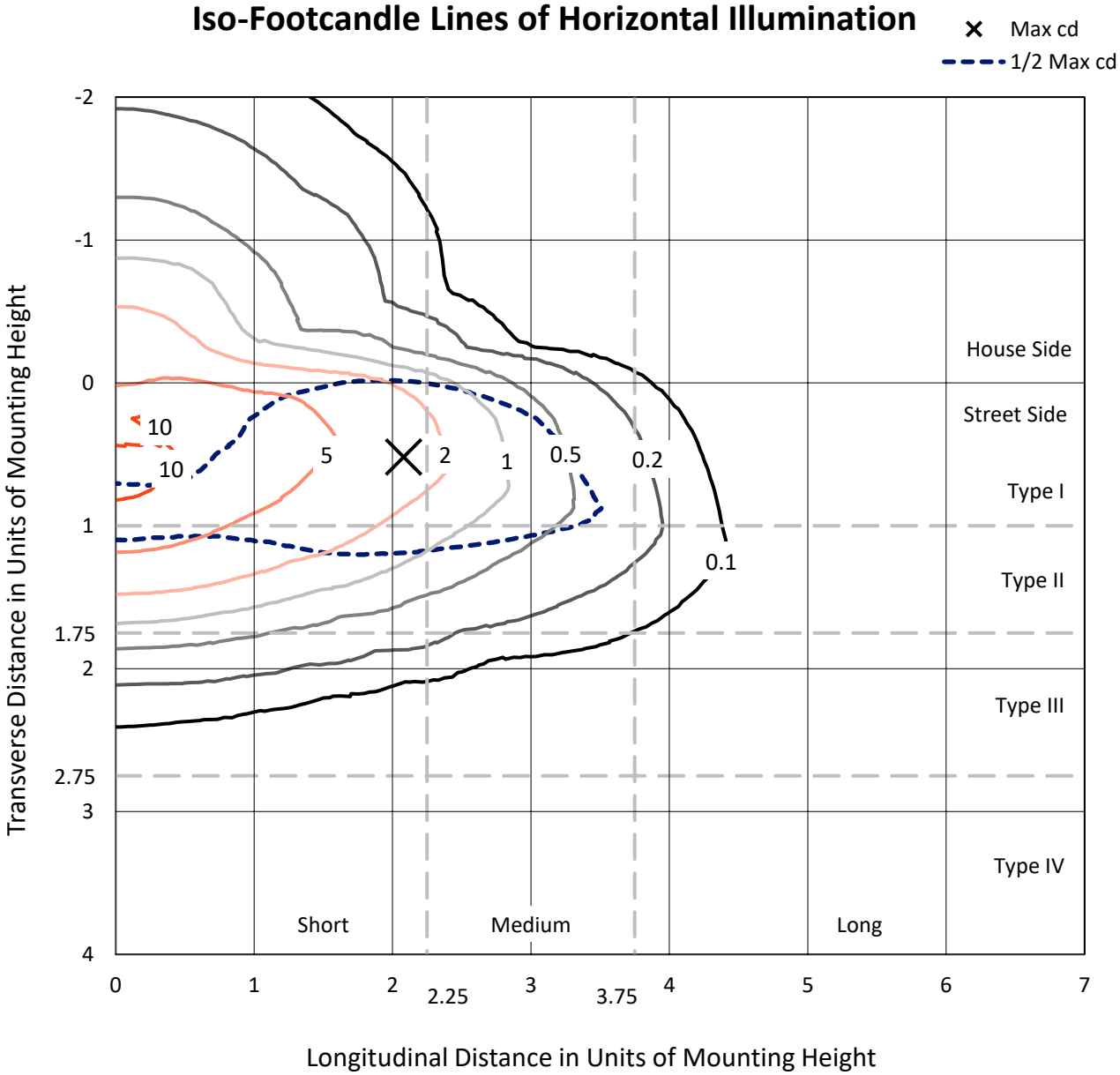
REPORT NUMBER: P642950
CATALOG NUMBER: GWS-SA6D-830-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
Type II - Short - N/A

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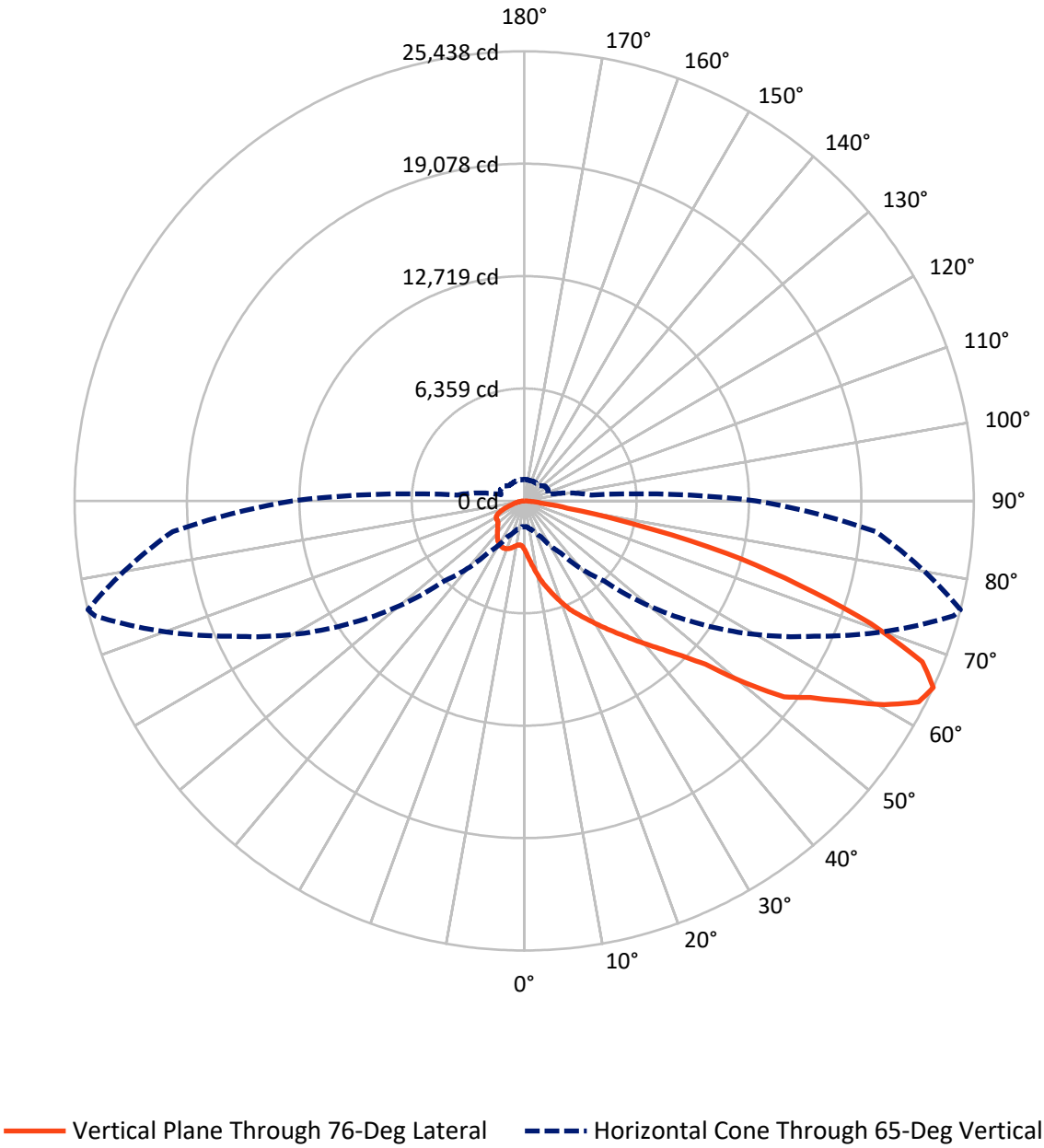
Luminous Intensity Polar Plot



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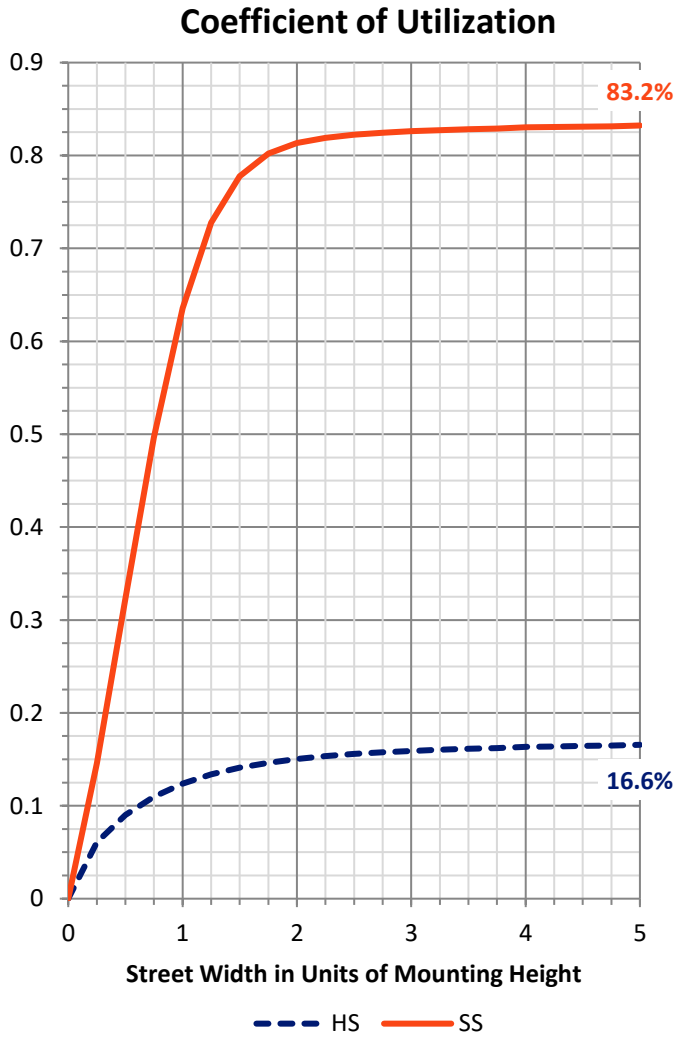
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4850.1	0.0	4850.1
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	24166.2	0.0	24166.2
	% Fixture	83.3	0.0	83.3
Total	Lumens	29016.3	0.0	29016.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.4	1.1
10°-20°	1243.4	4.3
20°-30°	2423.2	8.4
30°-40°	4052.7	14.0
40°-50°	5802.6	20.0
50°-60°	6869.5	23.7
60°-70°	5712.0	19.7
70°-80°	2337.5	8.1
80°-90°	248.9	0.9
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°	29016.3	100.0
0°-180°	29016.3	100.0



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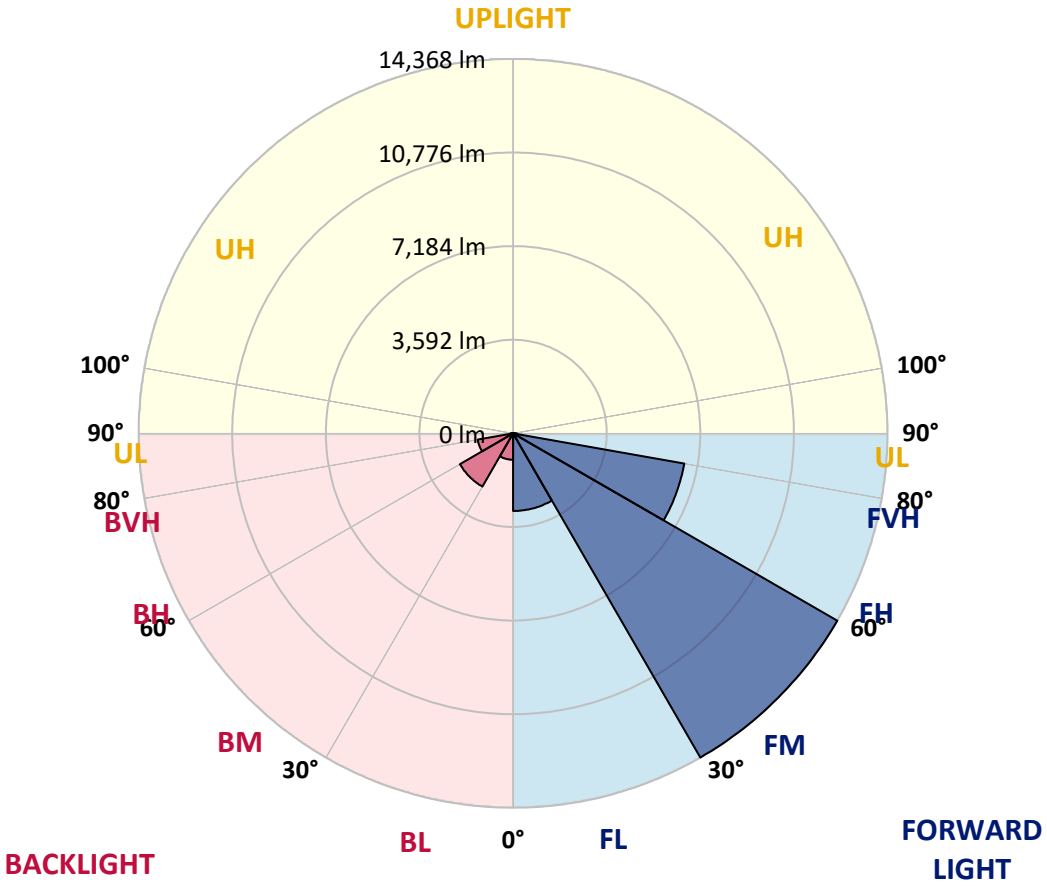
CATALOG NUMBER: GWS-SA6D-830-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2978.4	10.3			
FM	(30°-60°)	14367.8	49.5			
FH	(60°-80°)	6671.6	23.0			G3/7500
FVH	(80°-90°)	148.4	0.5			G2/225
BL	(0°-30°)	1014.6	3.5	B3/2500		
BM	(30°-60°)	2357.0	8.1	B2/2500		
BH	(60°-80°)	1378.0	4.7	B3/2500		G3/2500
BVH	(80°-90°)	100.4	0.3			G2/225
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 Short



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REPORT NUMBER: P642950
CATALOG NUMBER: GWS-SA6D-830-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	*2747.7*	2747.7
2.5°	3851.3	3865.6	3818.7	3802.4	3692.2	3543.3	3418.9	3231.2	3057.8	*3031.3*	2876.2
5°	4891.7	4830.5	4777.4	4742.8	4589.8	4420.4	4157.3	3804.4	3435.2	*3390.3*	3055.8
7.5°	5509.8	5499.6	5434.3	5413.9	5295.6	5126.3	4854.9	4416.4	3879.9	*3806.4*	3298.5
10°	6005.4	5999.3	5966.7	5985.0	5876.9	5711.7	5448.6	4995.7	4367.4	*4294.0*	3569.8
12.5°	6437.9	6448.1	6442.0	6509.3	6454.2	6325.7	6052.4	5554.6	4854.9	*4775.4*	3900.3
15°	6754.1	6762.2	6792.8	6939.7	6970.3	6943.8	6666.4	6103.4	5336.4	*5222.1*	4240.9
17.5°	6843.8	6860.2	6933.6	7170.2	7335.5	7445.6	7239.6	6662.3	5809.6	*5685.2*	4587.7
20°	6964.2	6982.6	7056.0	7302.8	7545.6	7796.5	7759.8	7229.4	6287.0	*6185.0*	4938.6
22.5°	7521.1	7506.8	7474.2	7592.5	7765.9	8078.0	8169.8	7774.0	6780.6	*6682.7*	5326.2
25°	8594.1	8567.6	8359.5	8251.4	8194.3	8384.0	8547.2	8269.7	7262.0	*7115.1*	5687.2
27.5°	9777.2	9762.9	9497.7	9240.7	8889.9	8808.3	8904.1	8702.2	7729.2	*7580.2*	6001.4
30°	10897.1	10854.3	10576.8	10254.5	9785.4	9434.5	9293.8	9126.5	8241.2	*8086.1*	6368.5
32.5°	11898.7	11843.6	11517.2	11160.3	10668.6	10254.5	9834.3	9577.3	8820.5	*8641.0*	6743.9
35°	12720.8	12665.7	12331.2	11951.7	11411.2	11105.2	10529.9	10066.9	9410.0	*9228.5*	7186.5
37.5°	13357.2	13306.2	12957.4	12584.1	12112.9	11870.1	11370.4	10617.6	10089.3	*9899.6*	7655.7
40°	13714.2	13677.5	13398.0	13102.2	12706.5	12496.4	12272.0	11313.2	10850.2	*10660.5*	8208.5
42.5°	13822.3	13797.8	13602.0	13449.0	13181.8	13022.7	13151.2	12131.2	11662.1	*11496.8*	8830.7
45°	13551.0	13551.0	13493.9	13571.4	13583.6	13581.6	14032.4	13055.3	12659.6	*12478.0*	9707.9
47.5°	12857.4	12902.3	12986.0	13367.4	13769.3	14105.9	15062.6	14287.4	13942.7	*13793.8*	10950.1
50°	11588.6	11711.0	11996.6	12741.2	13595.9	14452.6	16037.6	16109.0	16437.5	*16174.3*	12777.9
52.5°	9730.3	9711.9	10440.2	11500.9	12804.4	14466.9	16574.1	17716.5	18599.7	*18418.2*	14136.5
55°	7733.2	7702.6	8381.9	9844.5	11590.7	13920.2	16896.4	18452.9	19799.2	*19636.0*	15358.4
57.5°	5921.8	5883.1	6486.9	7806.7	9877.2	12759.5	16835.2	19330.0	21449.5	*21365.8*	17018.8
60°	4075.7	4028.8	4593.8	5748.4	7849.5	10984.8	16158.0	19780.8	23381.3	*23409.8*	18795.6
62.5°	2447.9	2421.4	2831.4	3726.9	5646.4	8785.8	14573.0	19507.5	24919.3	*25047.9*	19937.9
65°	*1476.9*	*1458.5*	*1699.2*	*2223.5*	*3582.1*	*6411.4*	*12129.2*	*18110.2*	*25141.7*	*25437.5*	*19964.4*
67.5°	1075.0	1077.1	1146.4	1354.5	2088.9	4141.0	9102.0	15605.2	23983.0	*24289.0*	18705.8
70°	934.3	938.4	975.1	1022.0	1262.7	2370.4	5917.7	12318.9	20558.0	*20794.7*	15688.8
72.5°	830.2	830.2	854.7	879.2	987.3	1444.2	3170.0	8610.4	16225.3	*16288.5*	11974.2
75°	730.3	724.2	736.4	748.6	856.8	1009.7	1542.2	5999.3	11984.4	*11837.5*	7739.4
77.5°	581.4	575.2	577.3	589.5	687.4	722.1	781.3	3747.3	6754.1	*6374.7*	3418.9
80°	414.1	410.0	432.5	463.1	507.9	442.7	489.6	1813.5	2678.4	*2492.7*	1325.9
82.5°	246.8	255.0	289.7	314.1	350.9	277.4	316.2	605.8	948.6	*924.1*	538.5
85°	34.7	36.7	104.0	120.4	151.0	108.1	167.3	273.3	379.4	*405.9*	189.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	14.3	49.0	108.1	*110.2*	46.9
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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REPORT NUMBER: P642950
CATALOG NUMBER: GWS-SA6D-830-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7
2.5°	2796.7	2700.8	2564.1	2449.9	2354.0	2276.5	2211.2	2162.3	2148.0	2127.6	2127.6
5°	2898.7	2725.3	2480.5	2307.1	2207.2	2148.0	2107.2	2086.8	2076.6	2064.4	2058.3
7.5°	3039.4	2796.7	2466.2	2290.8	2213.3	2176.6	2150.0	2137.8	2129.6	2117.4	2117.4
10°	3233.2	2902.8	2511.1	2347.9	2286.7	2250.0	2219.4	2199.0	2180.6	2162.3	2158.2
12.5°	3443.3	3041.5	2592.7	2425.4	2360.2	2315.3	2272.4	2241.8	2219.4	2197.0	2190.8
15°	3675.9	3184.3	2680.4	2500.9	2419.3	2358.1	2307.1	2260.2	2229.6	2197.0	2192.9
17.5°	3904.4	3329.1	2753.9	2551.9	2447.9	2372.4	2299.0	2237.8	2199.0	2162.3	2152.1
20°	4177.7	3473.9	2804.9	2566.2	2441.8	2341.8	2254.1	2176.6	2133.7	2090.9	2084.8
22.5°	4428.6	3608.6	2829.3	2545.8	2394.8	2276.5	2174.5	2090.9	2044.0	2001.1	1993.0
25°	4671.4	3726.9	2819.1	2496.8	2323.4	2186.8	2080.7	1997.1	1952.2	1907.3	1895.1
27.5°	4905.9	3806.4	2778.3	2421.4	2233.7	2086.8	1984.8	1909.3	1870.6	1831.8	1815.5
30°	5136.5	3879.9	2715.1	2323.4	2119.4	1982.8	1899.1	1846.1	1807.3	1766.5	1754.3
32.5°	5369.0	3932.9	2619.2	2209.2	2003.2	1891.0	1840.0	1801.2	1760.4	1719.6	1707.4
35°	5603.6	3955.4	2502.9	2078.7	1905.3	1831.8	1813.5	1768.6	1713.5	1664.6	1648.2
37.5°	5883.1	3975.8	2358.1	1950.1	1819.6	1803.3	1799.2	1731.9	1666.6	1599.3	1580.9
40°	6219.6	4002.3	2209.2	1833.9	1750.2	1793.1	1776.7	1685.0	1554.4	1489.1	1468.7
42.5°	6631.7	4051.2	2054.2	1727.8	1699.2	1754.3	1735.9	1570.7	1483.0	1446.3	1436.1
45°	7237.5	4230.7	1899.1	1644.2	1660.5	1699.2	1670.7	1503.4	1468.7	1444.2	1432.0
47.5°	8316.6	4506.1	1764.5	1580.9	1629.9	1650.3	1540.1	1485.0	1458.5	1425.9	1411.6
50°	9438.6	4626.5	1656.4	1542.2	1595.2	1605.4	1468.7	1460.6	1442.2	1407.5	1393.2
52.5°	10197.4	4610.2	1591.1	1527.9	1566.6	1527.9	1436.1	1434.0	1421.8	1381.0	1364.7
55°	11054.2	4638.7	1562.6	1532.0	1554.4	1397.3	1395.3	1401.4	1395.3	1350.4	1342.2
57.5°	12210.8	4726.4	1548.3	1546.2	1546.2	1334.1	1356.5	1364.7	1352.4	1332.1	1325.9
60°	13322.5	4732.6	1521.8	1562.6	1540.1	1295.3	1311.7	1319.8	1305.5	1301.5	1299.4
62.5°	13740.7	4438.8	1462.6	1550.3	1515.6	1252.5	1264.7	1268.8	1254.5	1264.7	1262.7
65°	*13118.6*	*3814.6*	*1364.7*	*1491.2*	*1440.2*	*1213.7*	*1205.6*	*1215.8*	*1191.3*	*1217.8*	*1219.9*
67.5°	11647.8	3031.3	1215.8	1379.0	1334.1	1170.9	1154.6	1154.6	1113.8	1154.6	1152.5
70°	9391.7	2141.9	997.5	1199.5	1217.8	1119.9	1111.7	1064.8	999.5	1060.7	1054.6
72.5°	7119.2	1538.1	785.4	948.6	1048.5	1048.5	1050.5	971.0	895.5	924.1	899.6
75°	4510.2	1083.2	628.3	726.2	822.1	920.0	966.9	820.0	752.7	740.5	728.2
77.5°	2031.7	711.9	489.6	556.9	583.4	726.2	883.3	705.8	614.0	587.5	579.3
80°	850.6	442.7	348.8	393.7	359.0	609.9	779.2	548.7	450.8	414.1	387.6
82.5°	373.3	263.1	222.3	212.1	224.4	452.9	581.4	365.1	281.5	381.5	385.5
85°	157.1	138.7	114.2	104.0	91.8	173.4	273.3	142.8	175.4	100.0	81.6
87.5°	36.7	40.8	30.6	20.4	12.2	2.0	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

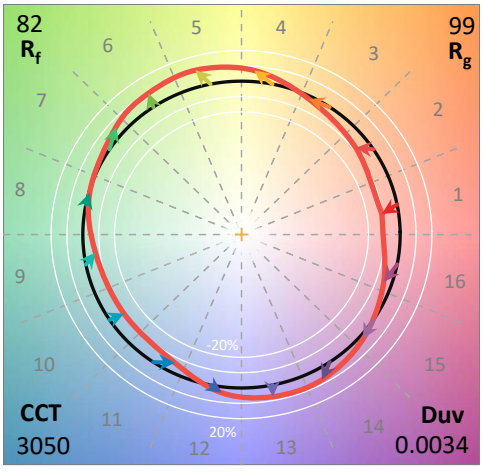
Test Information

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

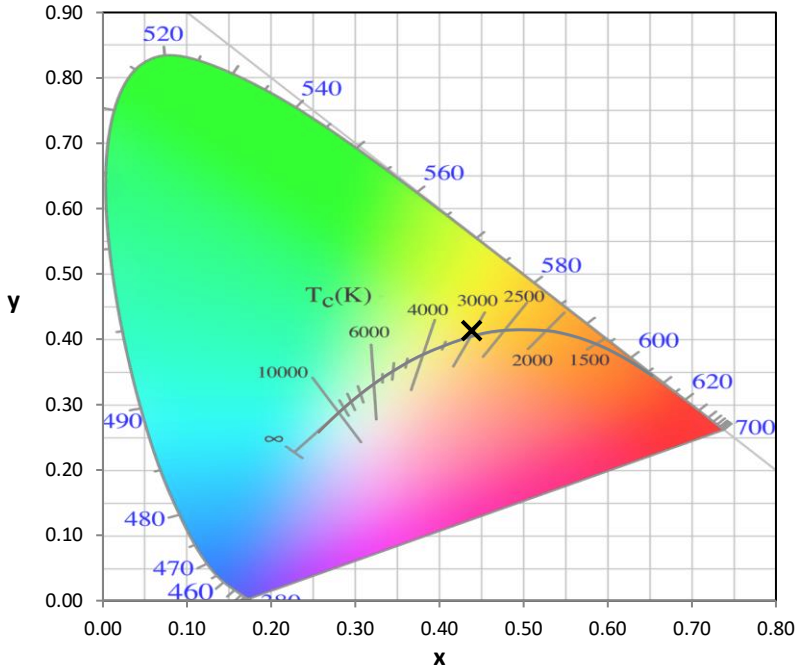
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

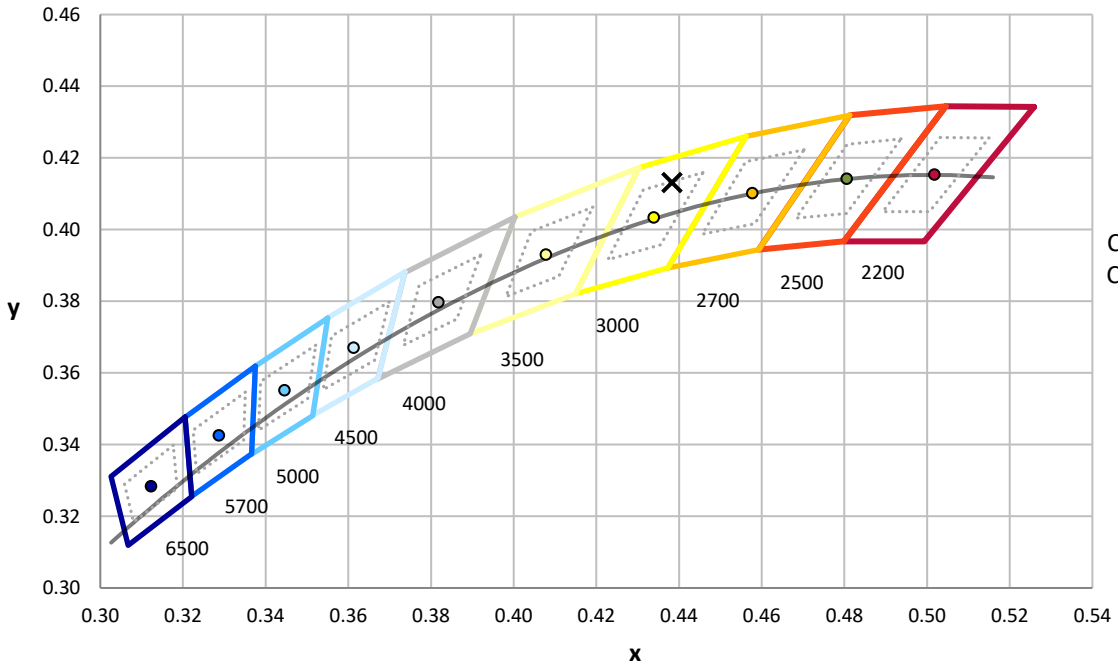
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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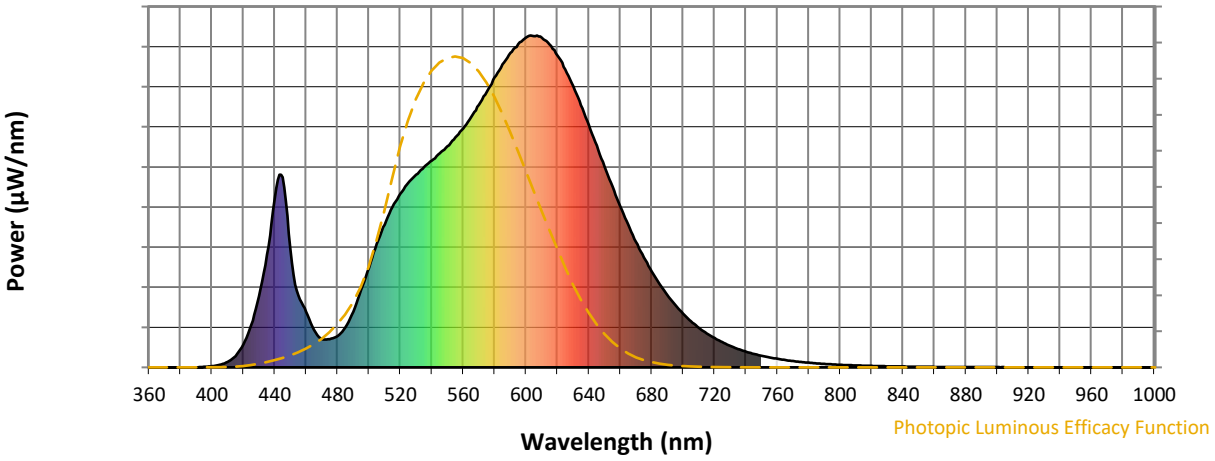
Photopic Flux vs. Wavelength



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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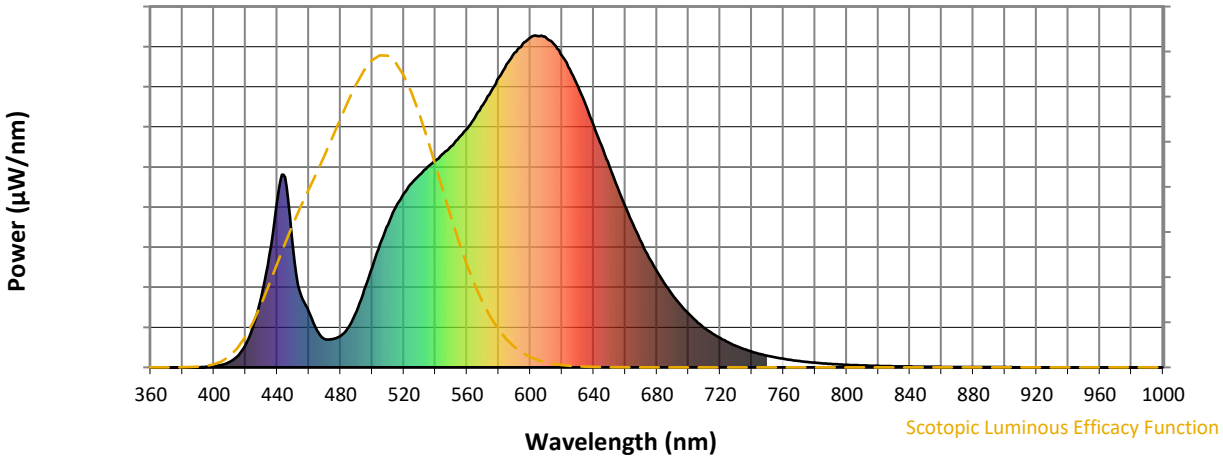
Scotopic Flux vs. Wavelength



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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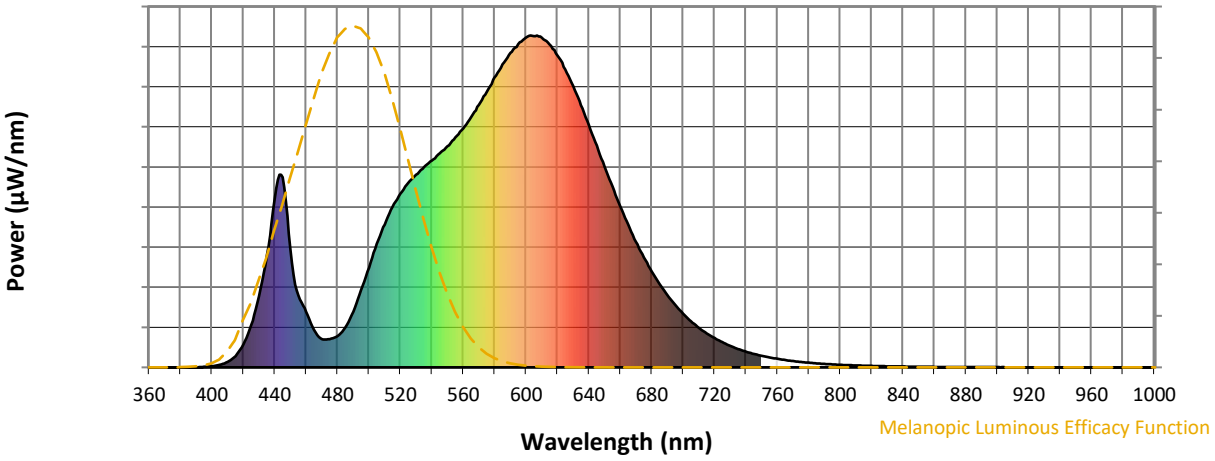
Melanopic Flux vs. Wavelength



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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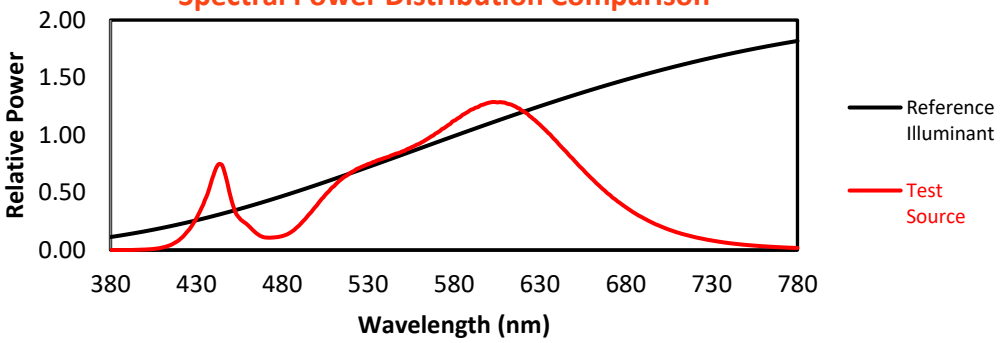
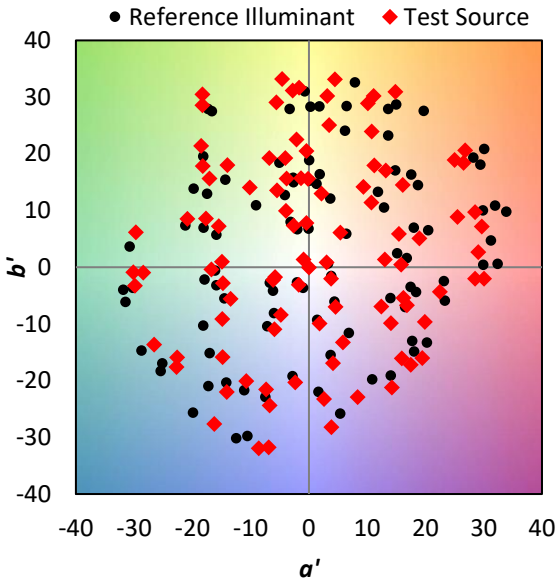
Summary

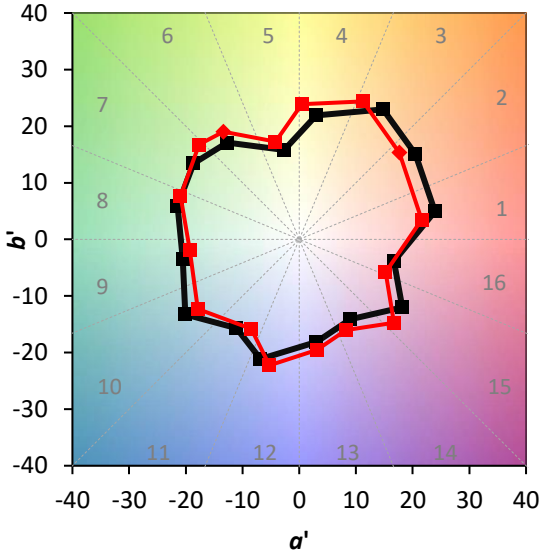
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

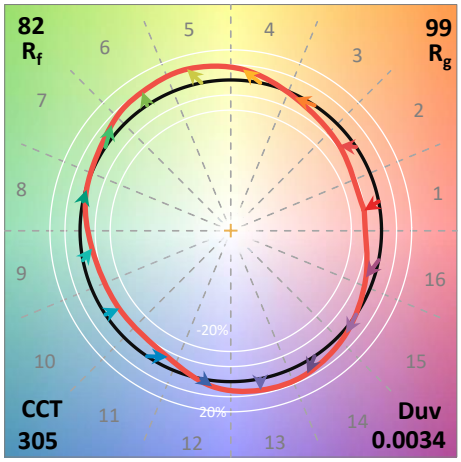
Spectral Power Distribution Comparison

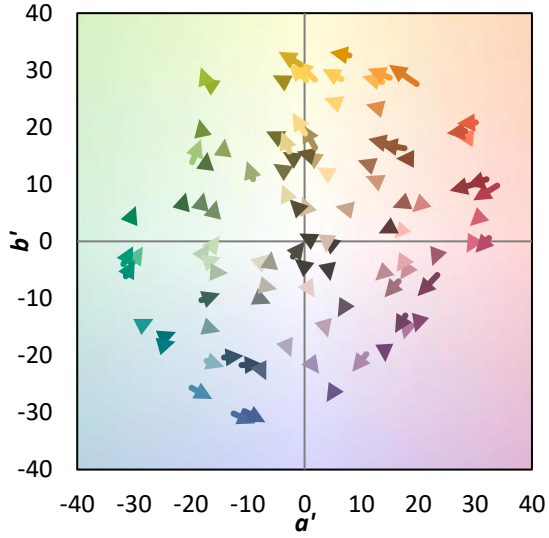


Color Vector Graphics









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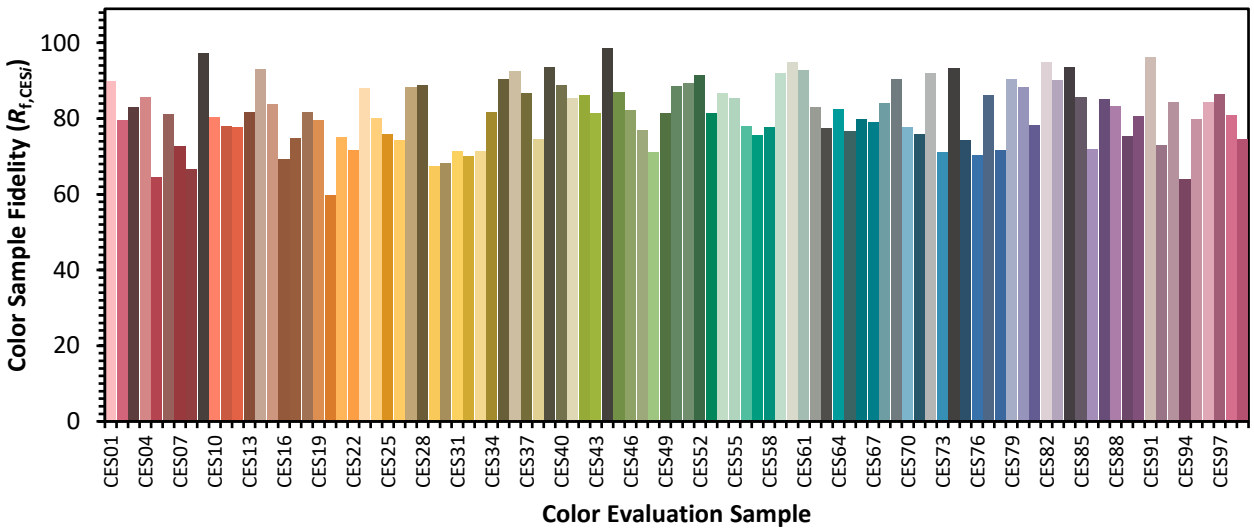
Individual Sample Fidelity Index ($R_{f,i}$)

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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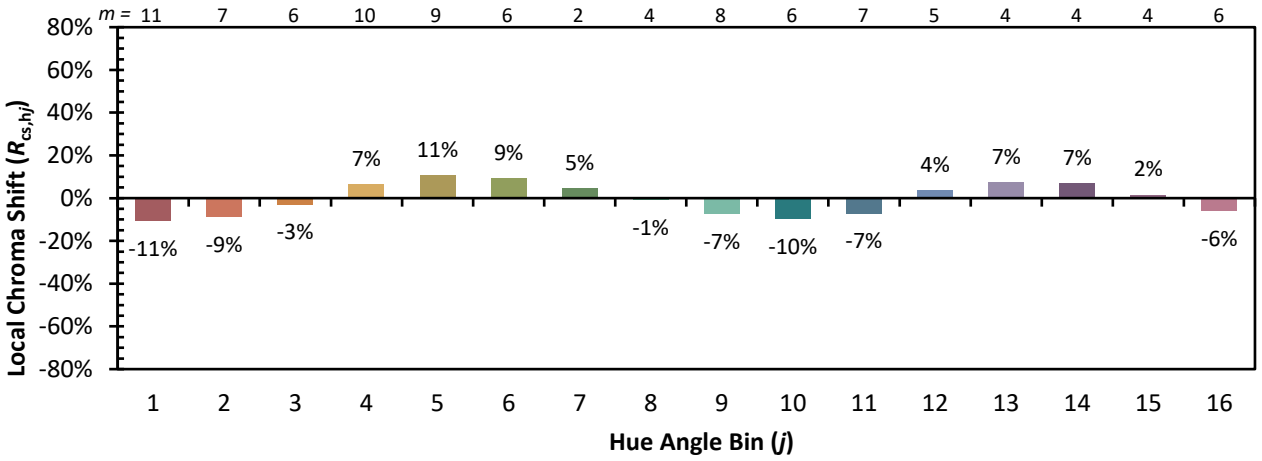
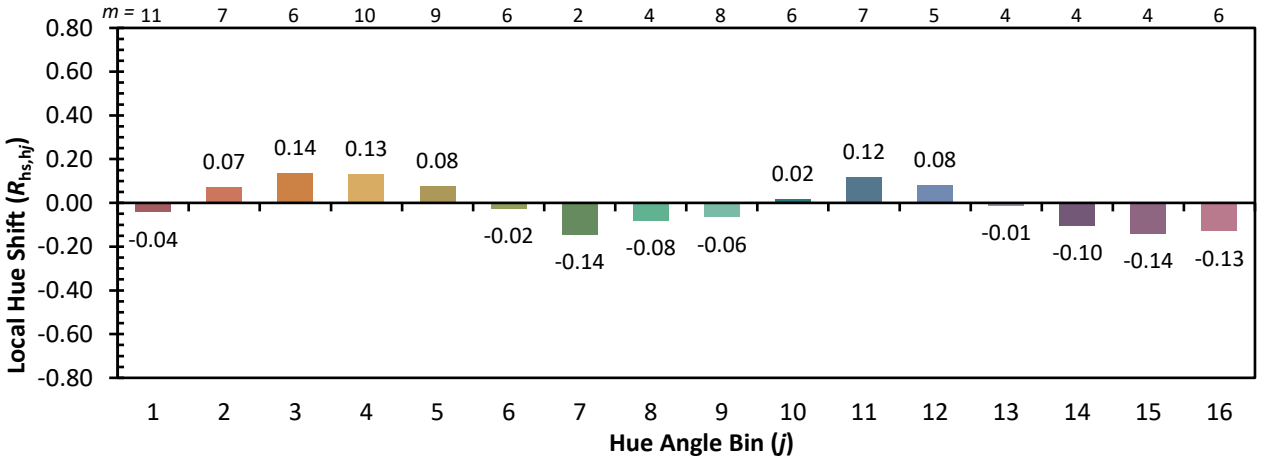
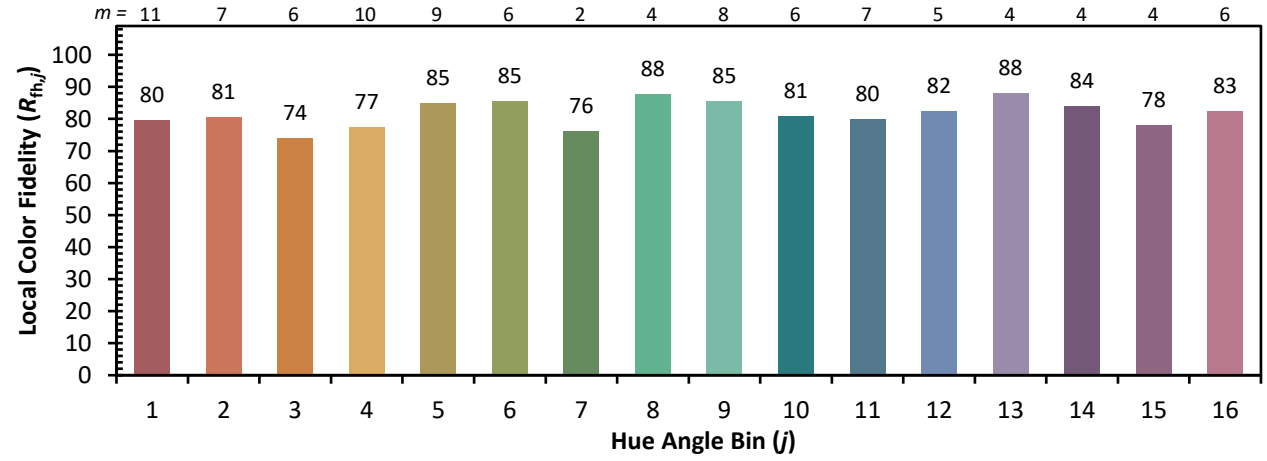
Color Rendition by Hue-Angle Bin







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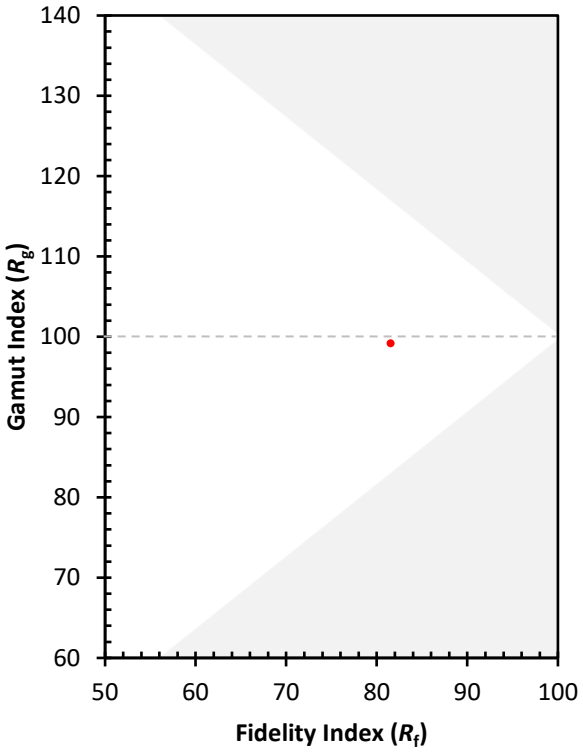
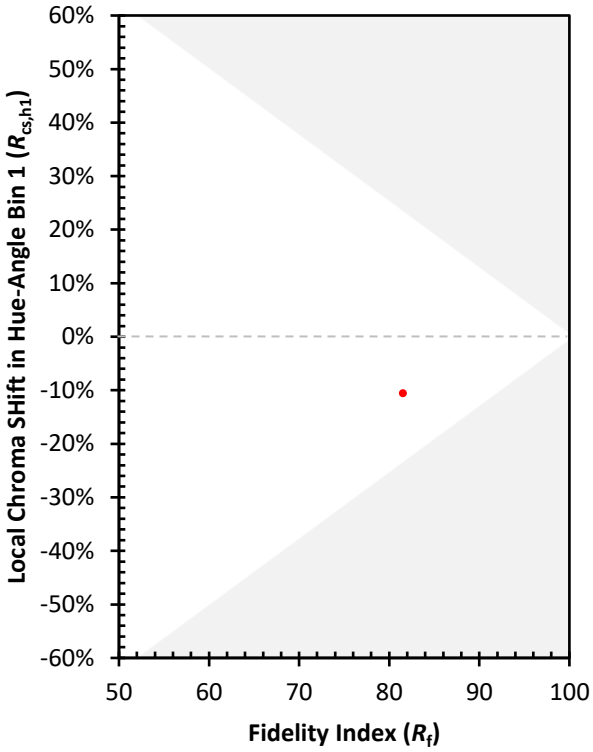
Measure Comparisons





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