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: P642455

Luminaire Tested: GWS-SA6C-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:	P642455
	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-SA6C-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:	23000.3 lumens
Efficiency:	N/A
Efficacy:	121.6 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):	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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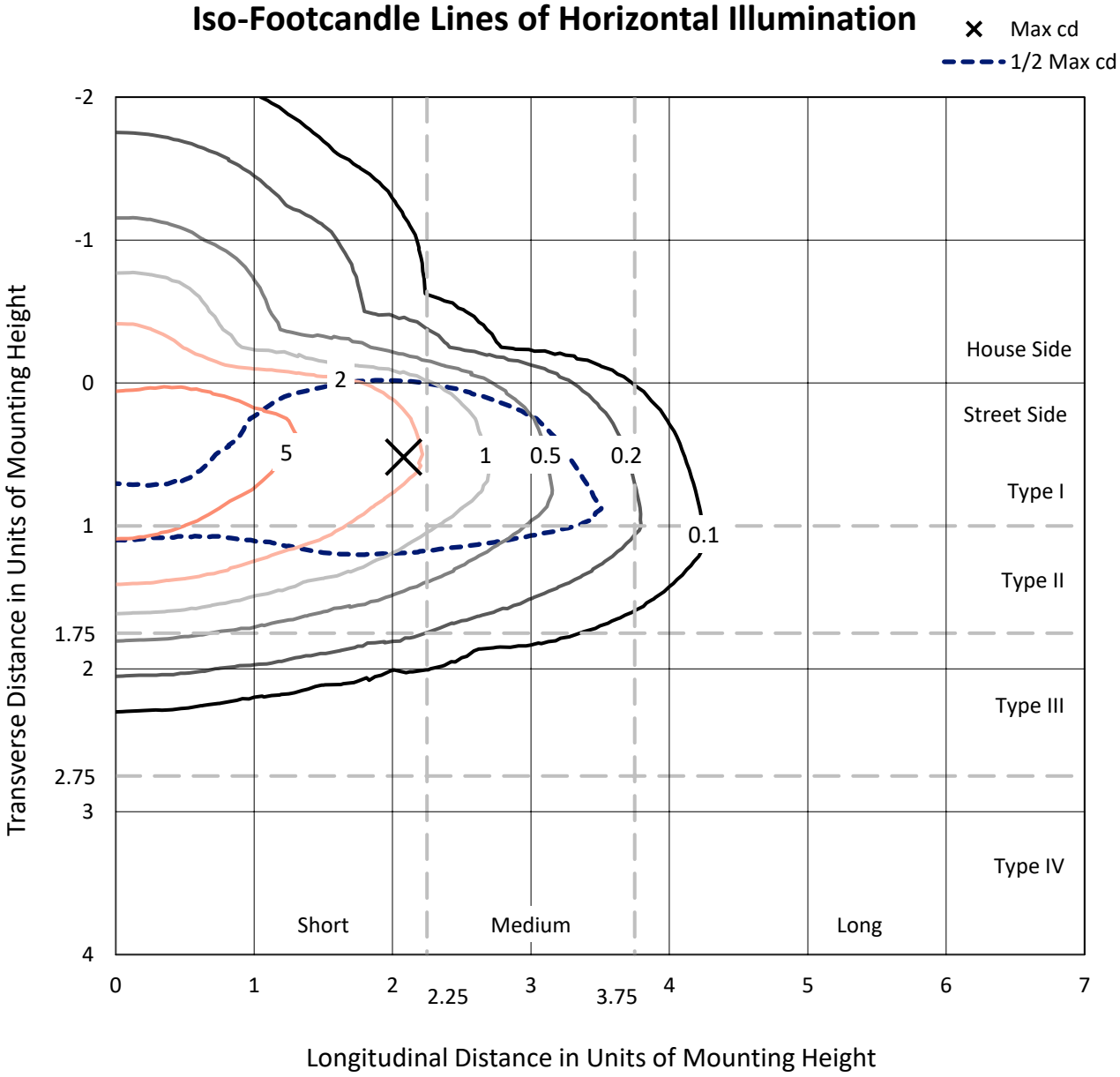
Scaled Data Report

REPORT NUMBER: P642455
CATALOG NUMBER: GWS-SA6C-830-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9 fc
Type II - Short - N/A

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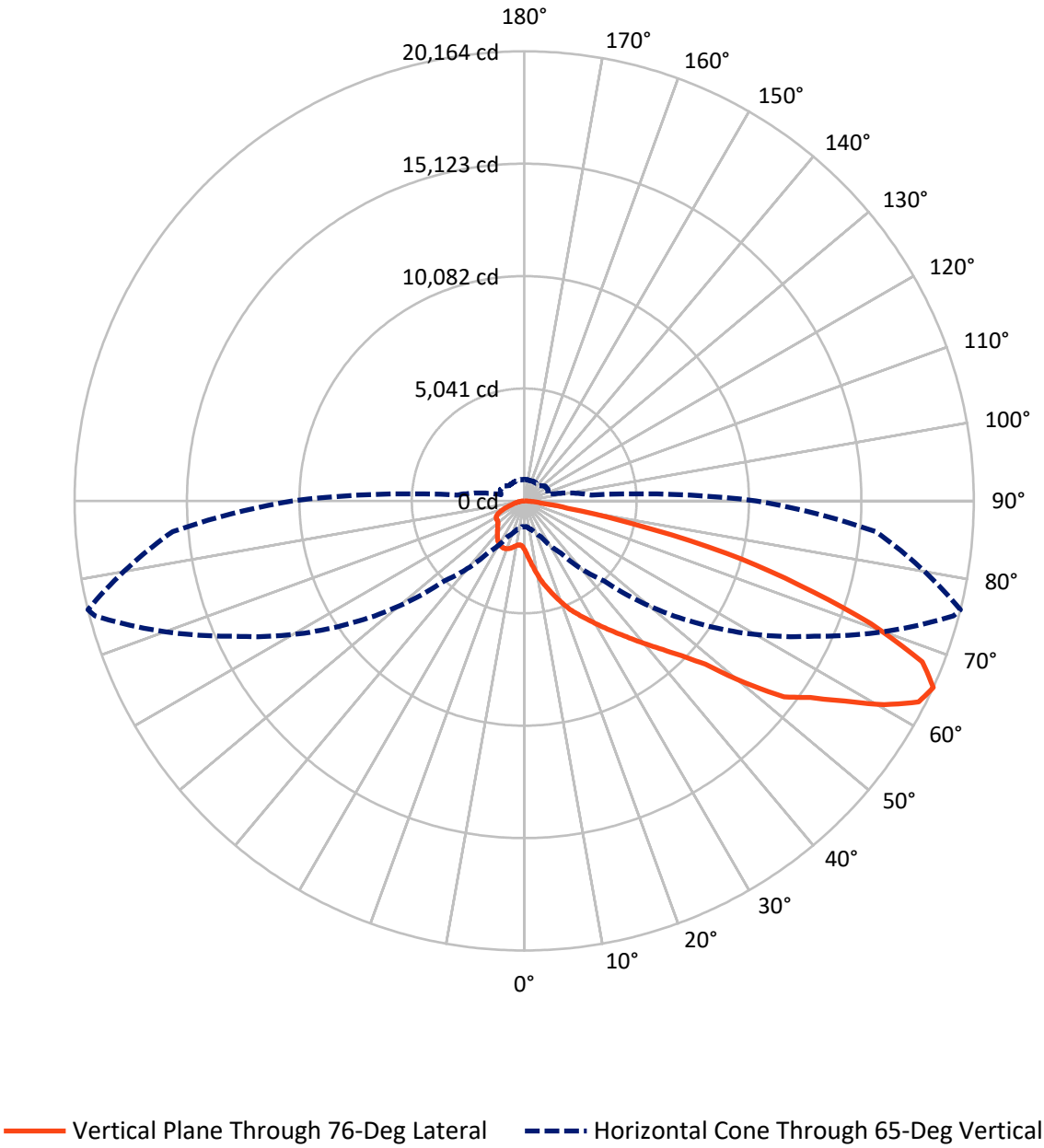
Luminous Intensity Polar Plot



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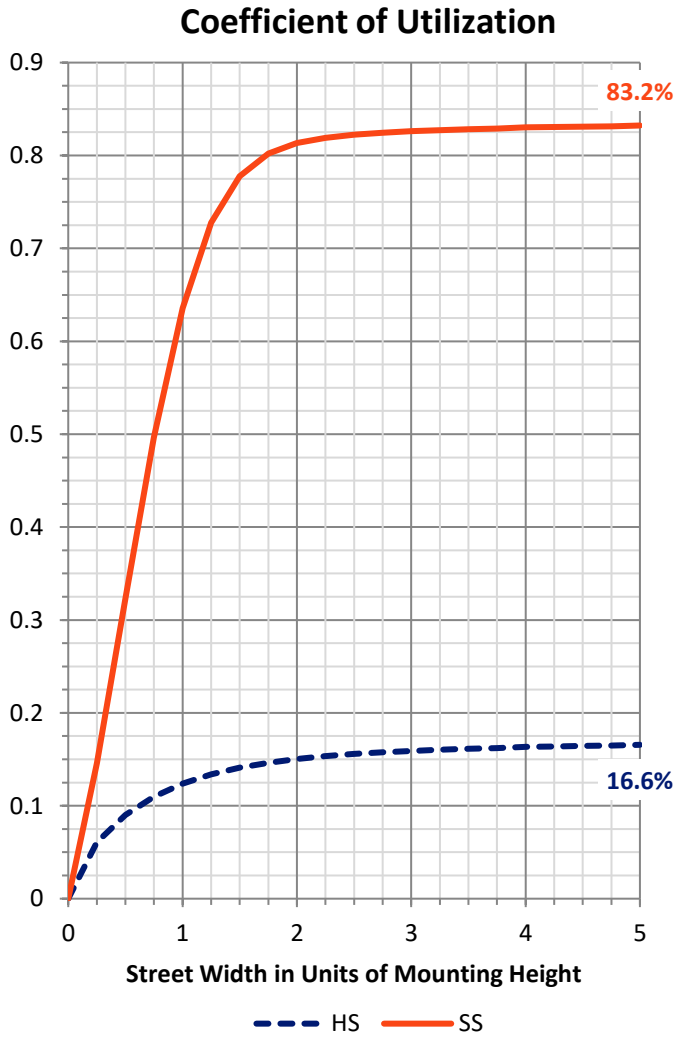
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3844.5	0.0	3844.5
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	19155.8	0.0	19155.8
	% Fixture	83.3	0.0	83.3
Total	Lumens	23000.3	0.0	23000.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.8	1.1
10°-20°	985.6	4.3
20°-30°	1920.8	8.4
30°-40°	3212.4	14.0
40°-50°	4599.6	20.0
50°-60°	5445.2	23.7
60°-70°	4527.8	19.7
70°-80°	1852.9	8.1
80°-90°	197.3	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°	23000.3	100.0
0°-180°	23000.3	100.0



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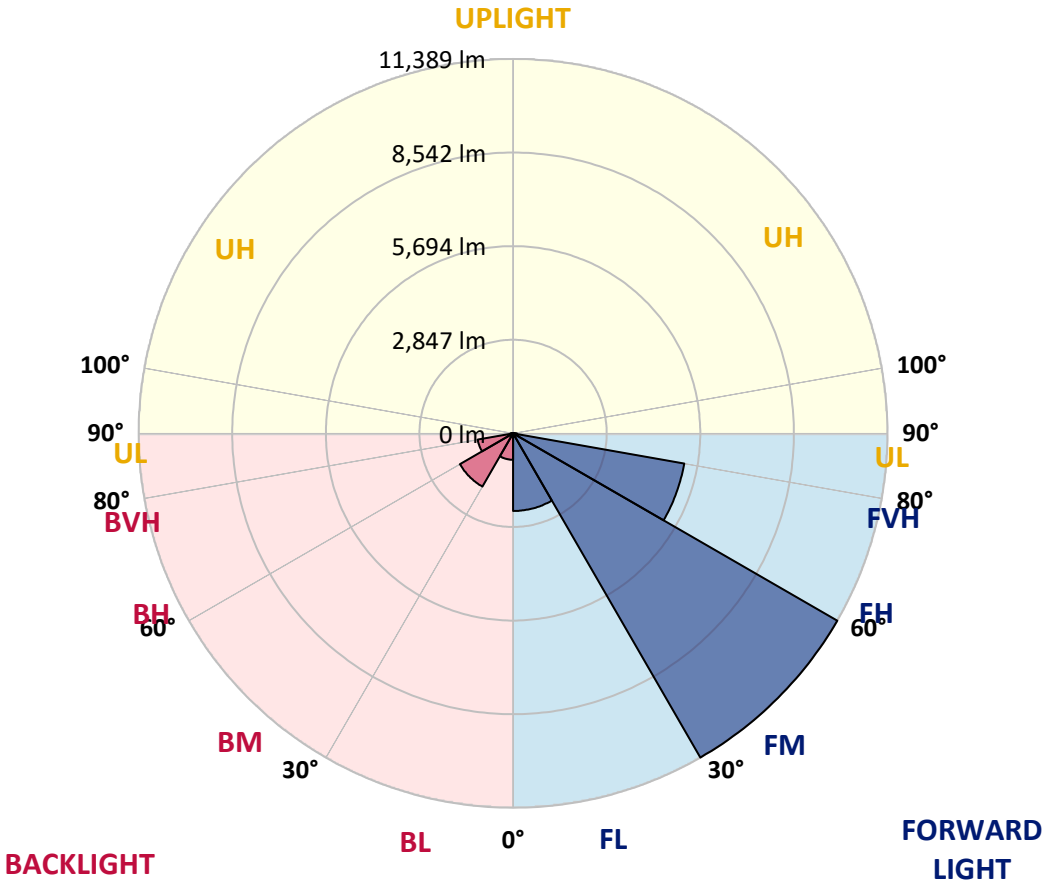
REPORT NUMBER: P642455
CATALOG NUMBER: GWS-SA6C-830-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2360.9	10.3			
FM	(30°-60°)	11388.9	49.5			
FH	(60°-80°)	5288.4	23.0			G3/7500
FVH	(80°-90°)	117.7	0.5			G2/225
BL	(0°-30°)	804.3	3.5	B2/1000		
BM	(30°-60°)	1868.4	8.1	B2/2500		
BH	(60°-80°)	1092.3	4.7	B3/2500		G3/2500
BVH	(80°-90°)	79.6	0.3			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 Short



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REPORT NUMBER: P642455
CATALOG NUMBER: GWS-SA6C-830-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	*2178.0*	2178.0
2.5°	3052.8	3064.1	3026.9	3014.0	2926.7	2808.7	2710.0	2561.3	2423.8	*2402.8*	2279.9
5°	3877.5	3829.0	3786.9	3759.4	3638.2	3503.9	3295.4	3015.6	2723.0	*2687.4*	2422.2
7.5°	4367.4	4359.3	4307.6	4291.4	4197.6	4063.4	3848.4	3500.7	3075.5	*3017.2*	2614.6
10°	4760.3	4755.5	4729.6	4744.2	4658.5	4527.5	4318.9	3959.9	3461.9	*3403.7*	2829.7
12.5°	5103.1	5111.2	5106.4	5159.7	5116.1	5014.2	4797.5	4403.0	3848.4	*3785.3*	3091.6
15°	5353.8	5360.2	5384.5	5500.9	5525.1	5504.1	5284.2	4837.9	4230.0	*4139.4*	3361.7
17.5°	5424.9	5437.8	5496.0	5683.6	5814.6	5901.9	5738.6	5281.0	4605.1	*4506.5*	3636.5
20°	5520.3	5534.8	5593.1	5788.7	5981.1	6180.0	6150.9	5730.5	4983.5	*4902.6*	3914.7
22.5°	5961.7	5950.4	5924.5	6018.3	6155.8	6403.2	6475.9	6162.2	5374.8	*5297.2*	4221.9
25°	6812.2	6791.2	6626.3	6540.6	6495.3	6645.7	6775.1	6555.2	5756.4	*5640.0*	4508.1
27.5°	7750.1	7738.8	7528.6	7324.8	7046.7	6982.0	7058.0	6897.9	6126.7	*6008.6*	4757.1
30°	8637.8	8603.8	8383.9	8128.5	7756.6	7478.4	7366.9	7234.3	6532.5	*6409.6*	5048.1
32.5°	9431.7	9388.1	9129.3	8846.4	8456.7	8128.5	7795.4	7591.6	6991.7	*6849.4*	5345.7
35°	10083.4	10039.7	9774.5	9473.8	9045.3	8802.7	8346.7	7979.7	7459.0	*7315.1*	5696.5
37.5°	10587.8	10547.4	10270.9	9975.0	9601.5	9409.1	9012.9	8416.3	7997.5	*7847.1*	6068.4
40°	10870.8	10841.7	10620.2	10385.7	10072.0	9905.5	9727.6	8967.7	8600.6	*8450.2*	6506.6
42.5°	10956.5	10937.1	10781.9	10660.6	10448.8	10322.7	10424.5	9616.1	9244.2	*9113.2*	6999.8
45°	10741.5	10741.5	10696.2	10757.6	10767.3	10765.7	11123.1	10348.5	10034.8	*9890.9*	7695.1
47.5°	10191.7	10227.3	10293.6	10595.9	10914.5	11181.3	11939.6	11325.2	11051.9	*10933.9*	8679.8
50°	9185.9	9283.0	9509.3	10099.5	10777.0	11456.2	12712.5	12769.1	13029.5	*12820.9*	10128.6
52.5°	7712.9	7698.3	8275.6	9116.4	10149.6	11467.5	13137.8	14043.3	14743.4	*14599.5*	11205.5
55°	6129.9	6105.6	6644.1	7803.4	9187.6	11034.1	13393.3	14627.0	15694.2	*15564.8*	12174.1
57.5°	4694.0	4663.3	5141.9	6188.1	7829.3	10114.1	13344.8	15322.3	17002.3	*16936.0*	13490.3
60°	3230.7	3193.5	3641.4	4556.6	6222.1	8707.3	12807.9	15679.6	18533.6	*18556.2*	14898.7
62.5°	1940.4	1919.3	2244.3	2954.2	4475.7	6964.2	11551.6	15463.0	19752.8	*19854.6*	15804.2
65°	*1170.7*	*1156.1*	*1346.9*	*1762.5*	*2839.4*	*5082.1*	*9614.4*	*14355.4*	*19929.0*	*20163.5*	*15825.2*
67.5°	852.1	853.8	908.7	1073.7	1655.8	3282.4	7214.9	12369.7	19010.6	*19253.1*	14827.5
70°	740.6	743.8	772.9	810.1	1000.9	1878.9	4690.8	9764.8	16295.7	*16483.3*	12436.0
72.5°	658.1	658.1	677.5	696.9	782.6	1144.8	2512.8	6825.2	12861.3	*12911.4*	9491.5
75°	578.9	574.0	583.7	593.4	679.1	800.4	1222.4	4755.5	9499.6	*9383.2*	6134.7
77.5°	460.8	456.0	457.6	467.3	544.9	572.4	619.3	2970.4	5353.8	*5053.0*	2710.0
80°	328.2	325.0	342.8	367.0	402.6	350.9	388.1	1437.5	2123.1	*1975.9*	1051.0
82.5°	195.7	202.1	229.6	249.0	278.1	219.9	250.6	480.2	751.9	*732.5*	426.9
85°	27.5	29.1	82.5	95.4	119.7	85.7	132.6	216.7	300.8	*321.8*	150.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.3	38.8	85.7	*87.3*	37.2
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: P642455
CATALOG NUMBER: GWS-SA6C-830-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0	2178.0
2.5°	2216.9	2140.9	2032.5	1942.0	1866.0	1804.5	1752.8	1714.0	1702.7	1686.5	1686.5
5°	2297.7	2160.3	1966.2	1828.8	1749.5	1702.7	1670.3	1654.1	1646.1	1636.4	1631.5
7.5°	2409.3	2216.9	1954.9	1815.8	1754.4	1725.3	1704.3	1694.6	1688.1	1678.4	1678.4
10°	2562.9	2300.9	1990.5	1861.1	1812.6	1783.5	1759.3	1743.1	1728.5	1714.0	1710.7
12.5°	2729.4	2410.9	2055.2	1922.6	1870.8	1835.2	1801.3	1777.0	1759.3	1741.5	1736.6
15°	2913.8	2524.1	2124.7	1982.4	1917.7	1869.2	1828.8	1791.6	1767.3	1741.5	1738.2
17.5°	3094.9	2638.9	2182.9	2022.8	1940.4	1880.5	1822.3	1773.8	1743.1	1714.0	1705.9
20°	3311.5	2753.7	2223.3	2034.1	1935.5	1856.3	1786.7	1725.3	1691.3	1657.4	1652.5
22.5°	3510.4	2860.4	2242.7	2018.0	1898.3	1804.5	1723.7	1657.4	1620.2	1586.2	1579.8
25°	3702.8	2954.2	2234.6	1979.2	1841.7	1733.4	1649.3	1583.0	1547.4	1511.9	1502.2
27.5°	3888.8	3017.2	2202.3	1919.3	1770.6	1654.1	1573.3	1513.5	1482.8	1452.0	1439.1
30°	4071.5	3075.5	2152.2	1841.7	1680.0	1571.7	1505.4	1463.3	1432.6	1400.3	1390.6
32.5°	4255.8	3117.5	2076.2	1751.2	1587.9	1498.9	1458.5	1427.8	1395.4	1363.1	1353.4
35°	4441.8	3135.3	1984.0	1647.7	1510.2	1452.0	1437.5	1401.9	1358.2	1319.4	1306.5
37.5°	4663.3	3151.5	1869.2	1545.8	1442.3	1429.4	1426.2	1372.8	1321.1	1267.7	1253.1
40°	4930.1	3172.5	1751.2	1453.6	1387.4	1421.3	1408.4	1335.6	1232.1	1180.4	1164.2
42.5°	5256.7	3211.3	1628.3	1369.6	1346.9	1390.6	1376.0	1245.1	1175.5	1146.4	1138.3
45°	5737.0	3353.6	1505.4	1303.3	1316.2	1346.9	1324.3	1191.7	1164.2	1144.8	1135.1
47.5°	6592.3	3571.9	1398.7	1253.1	1292.0	1308.1	1220.8	1177.1	1156.1	1130.3	1118.9
50°	7481.7	3667.3	1313.0	1222.4	1264.5	1272.5	1164.2	1157.7	1143.2	1115.7	1104.4
52.5°	8083.2	3654.3	1261.2	1211.1	1241.8	1211.1	1138.3	1136.7	1127.0	1094.7	1081.7
55°	8762.3	3677.0	1238.6	1214.3	1232.1	1107.6	1106.0	1110.9	1106.0	1070.4	1064.0
57.5°	9679.1	3746.5	1227.3	1225.7	1225.7	1057.5	1075.3	1081.7	1072.0	1055.9	1051.0
60°	10560.4	3751.3	1206.3	1238.6	1220.8	1026.8	1039.7	1046.2	1034.9	1031.6	1030.0
62.5°	10891.8	3518.5	1159.4	1228.9	1201.4	992.8	1002.5	1005.7	994.4	1002.5	1000.9
65°	*10398.7*	*3023.7*	*1081.7*	*1182.0*	*1141.6*	*962.1*	*955.6*	*963.7*	*944.3*	*965.3*	*966.9*
67.5°	9232.8	2402.8	963.7	1093.1	1057.5	928.1	915.2	915.2	882.9	915.2	913.6
70°	7444.5	1697.8	790.7	950.8	965.3	887.7	881.2	844.1	792.3	840.8	836.0
72.5°	5643.2	1219.2	622.5	751.9	831.1	831.1	832.7	769.7	709.8	732.5	713.1
75°	3575.1	858.6	498.0	575.6	651.6	729.2	766.4	650.0	596.7	587.0	577.3
77.5°	1610.5	564.3	388.1	441.4	462.5	575.6	700.1	559.5	486.7	465.7	459.2
80°	674.3	350.9	276.5	312.1	284.6	483.5	617.7	435.0	357.3	328.2	307.2
82.5°	295.9	208.6	176.2	168.2	177.9	359.0	460.8	289.4	223.1	302.4	305.6
85°	124.5	110.0	90.5	82.5	72.8	137.4	216.7	113.2	139.1	79.2	64.7
87.5°	29.1	32.3	24.3	16.2	9.7	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

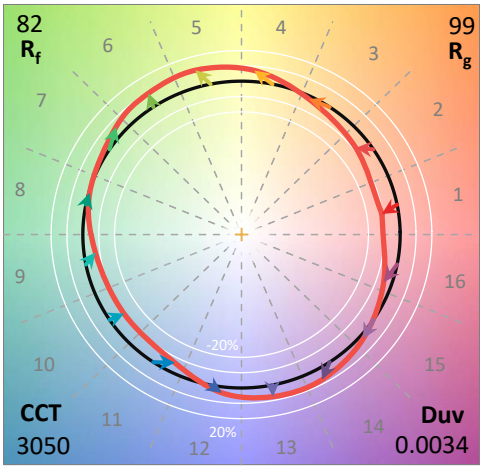
Test Information

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

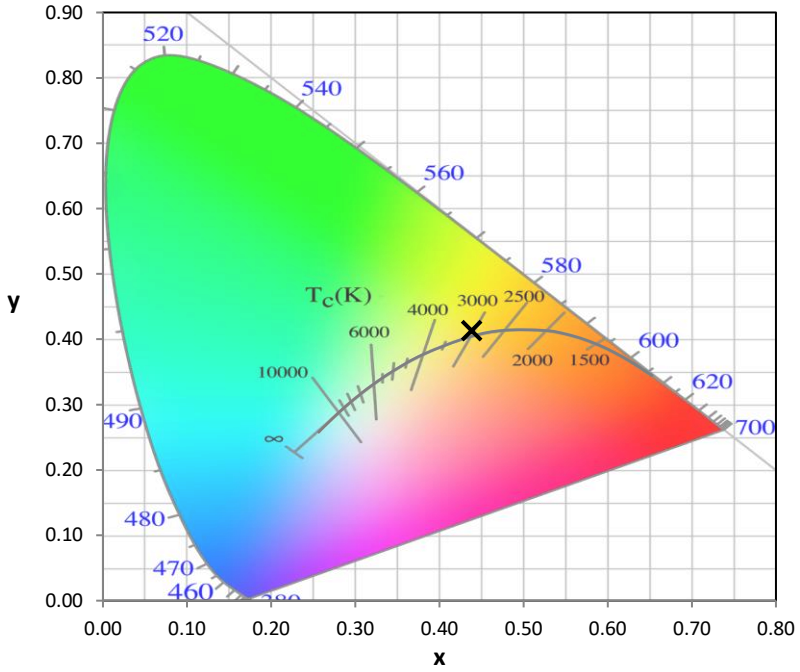
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

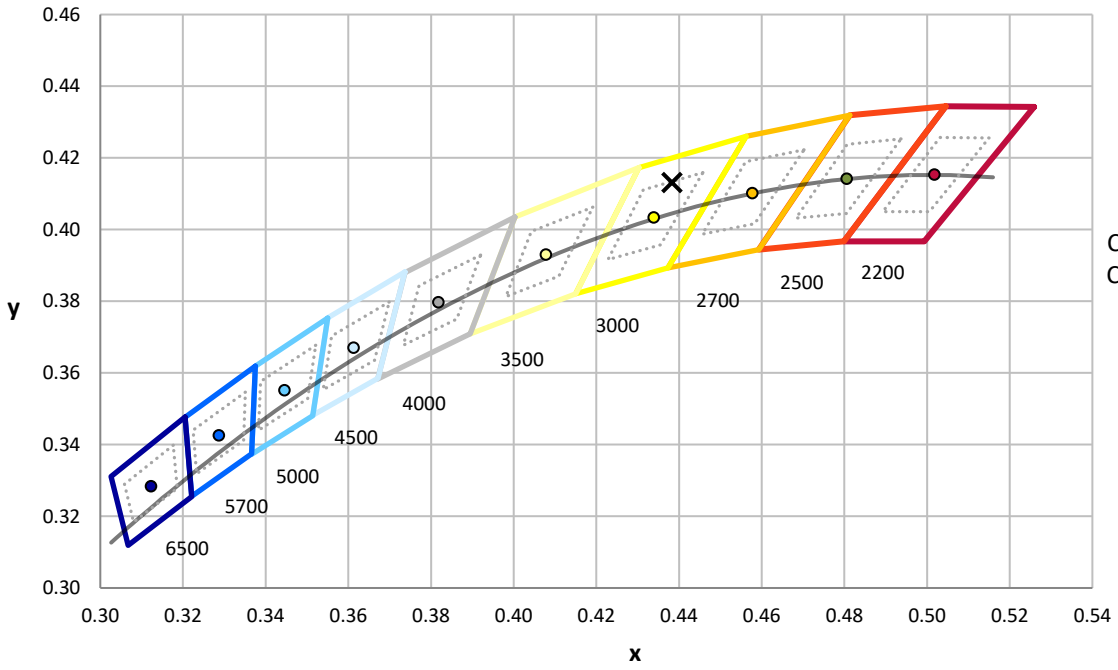
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

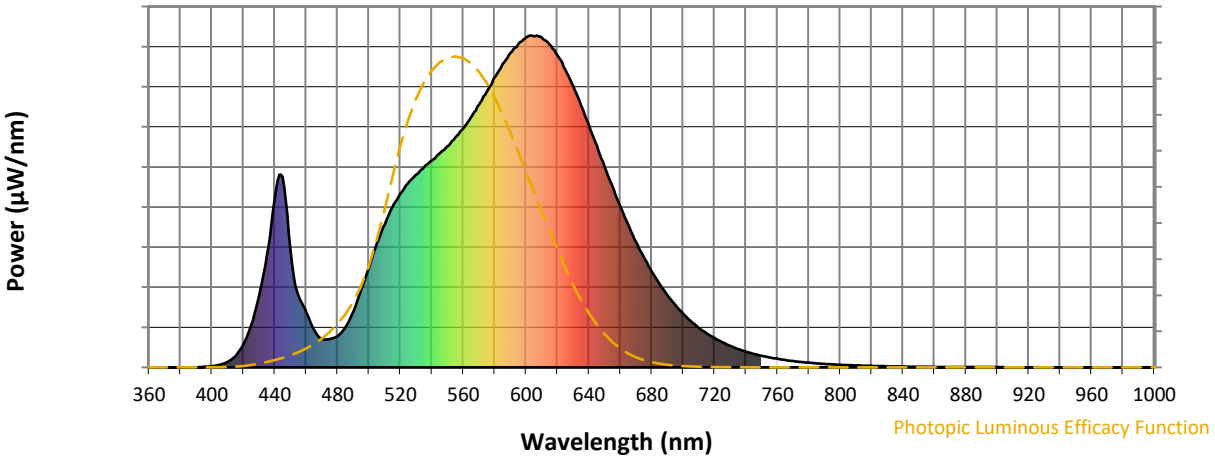


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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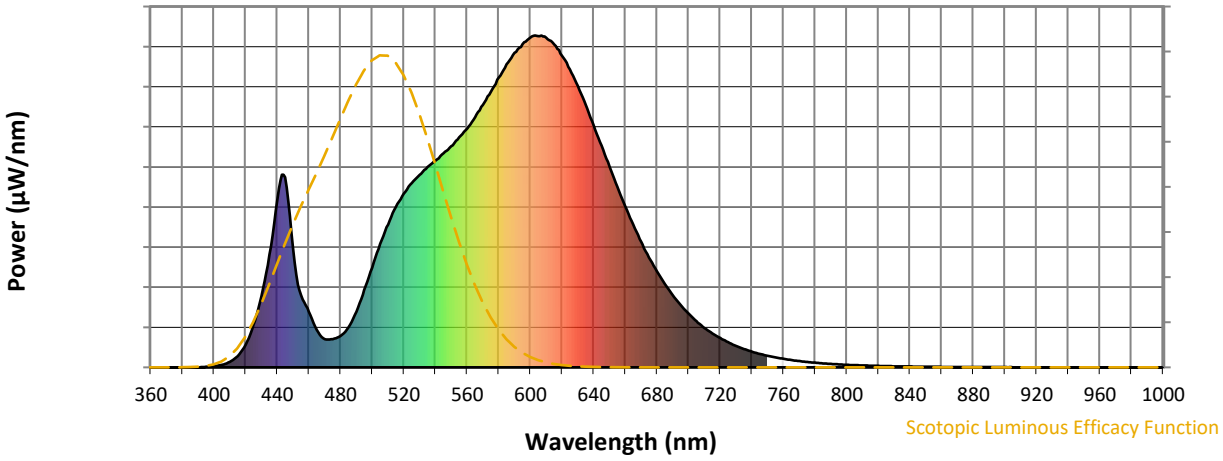
Scotopic Flux vs. Wavelength



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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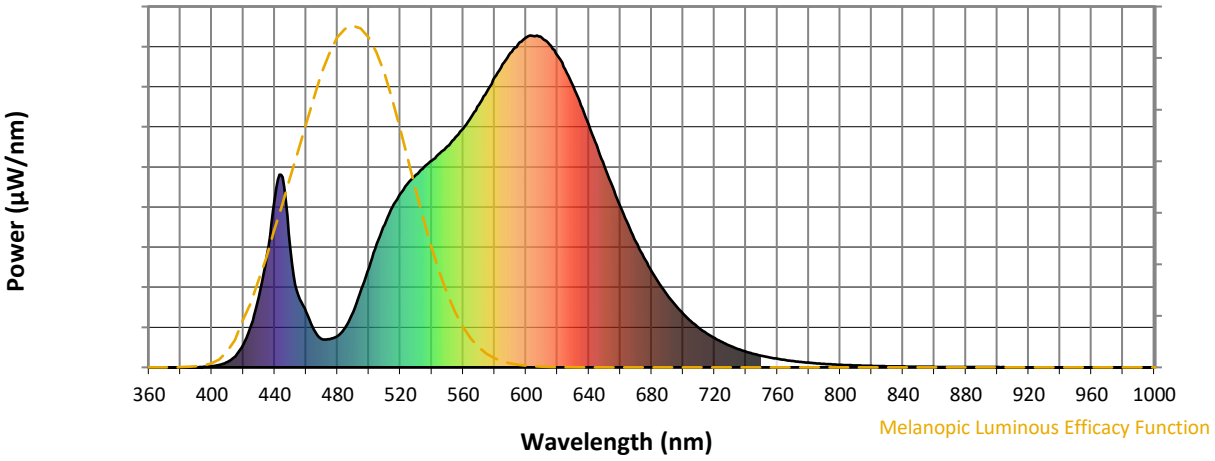
Melanopic Flux vs. Wavelength



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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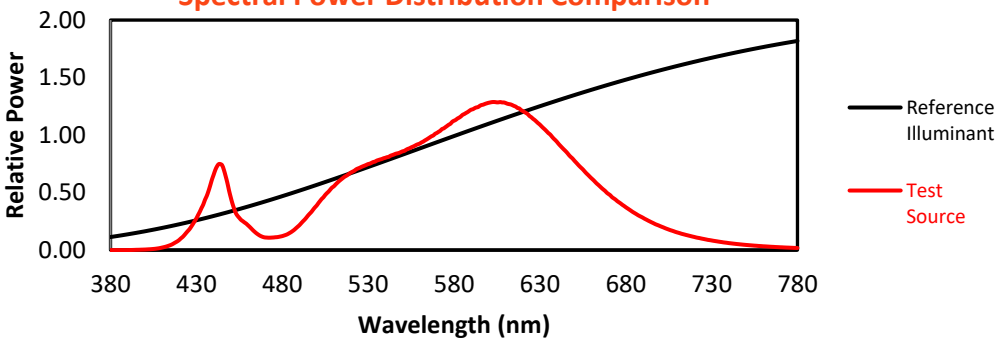
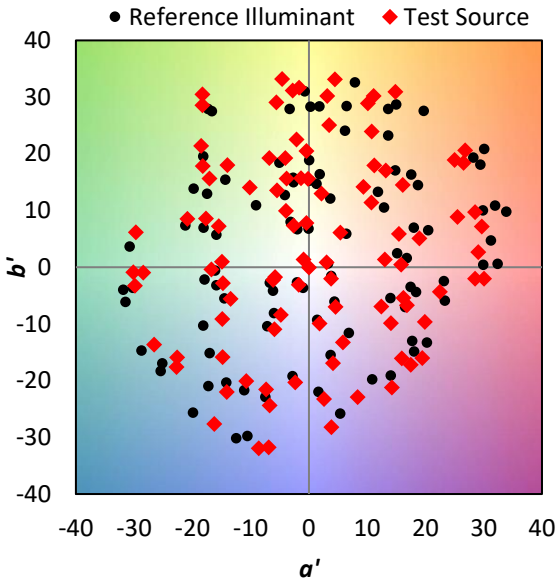
Summary

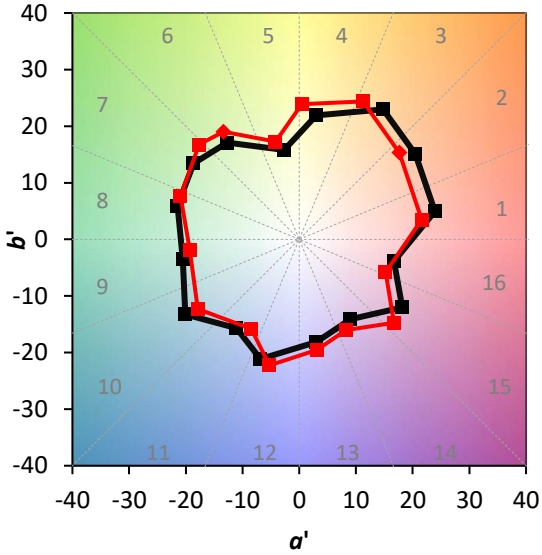
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

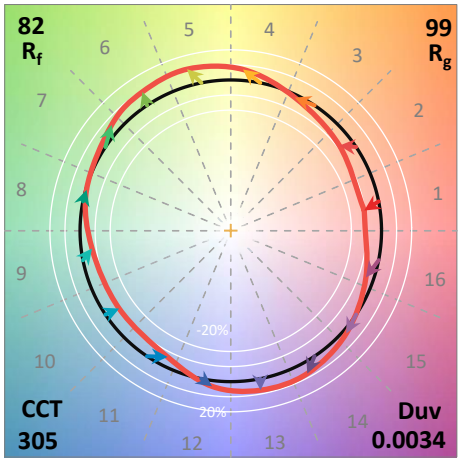
Spectral Power Distribution Comparison

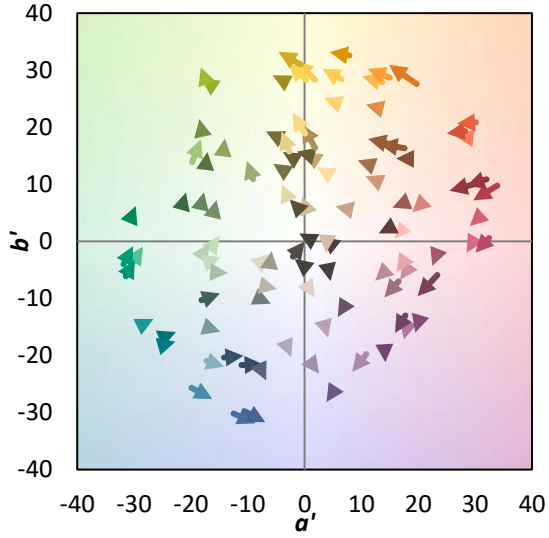


Color Vector Graphics









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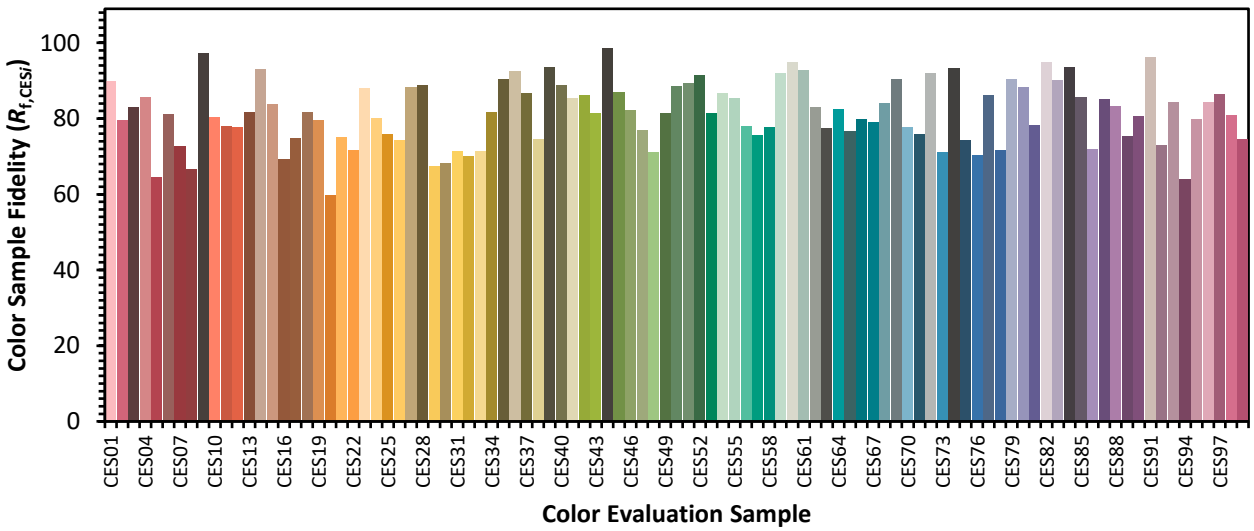
Individual Sample Fidelity Index ($R_{f,i}$)

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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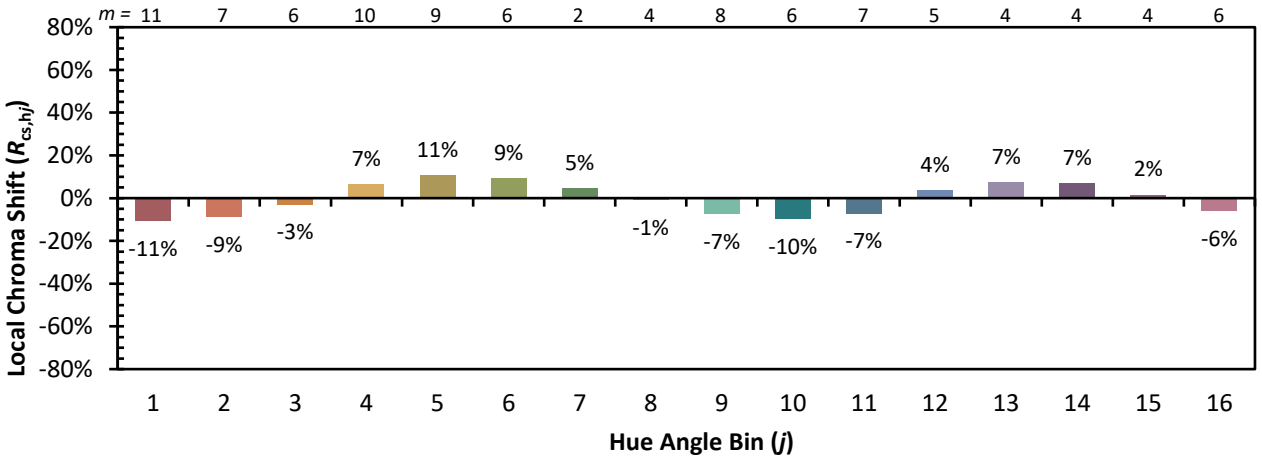
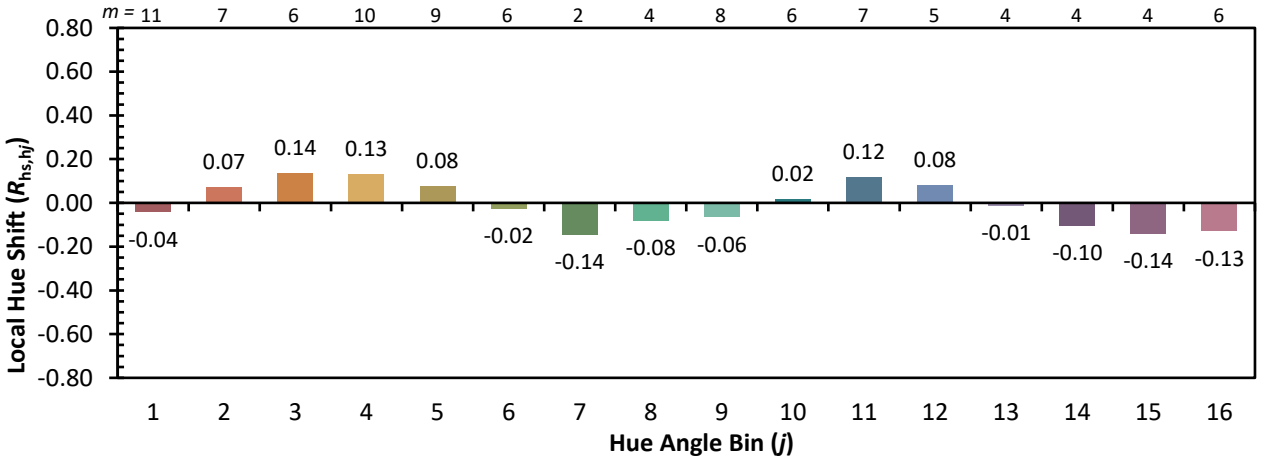
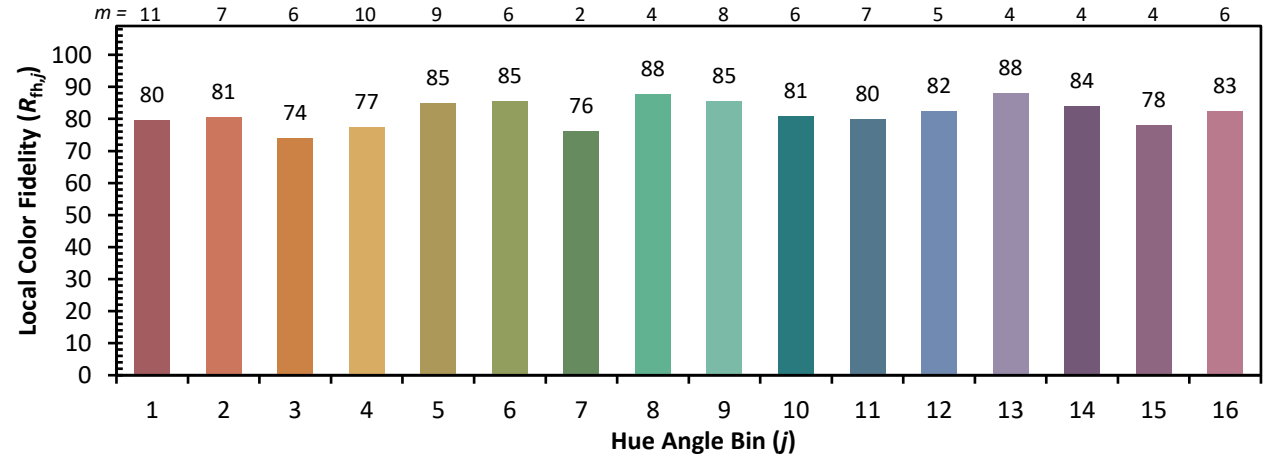
Color Rendition by Hue-Angle Bin







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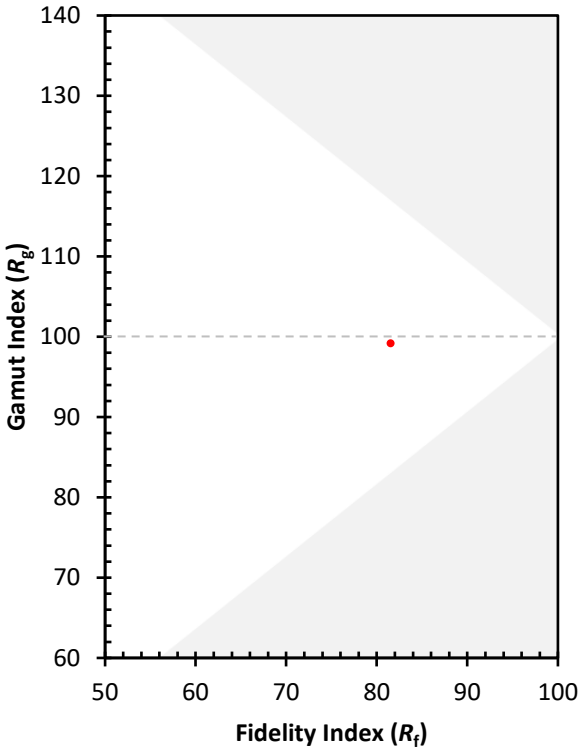
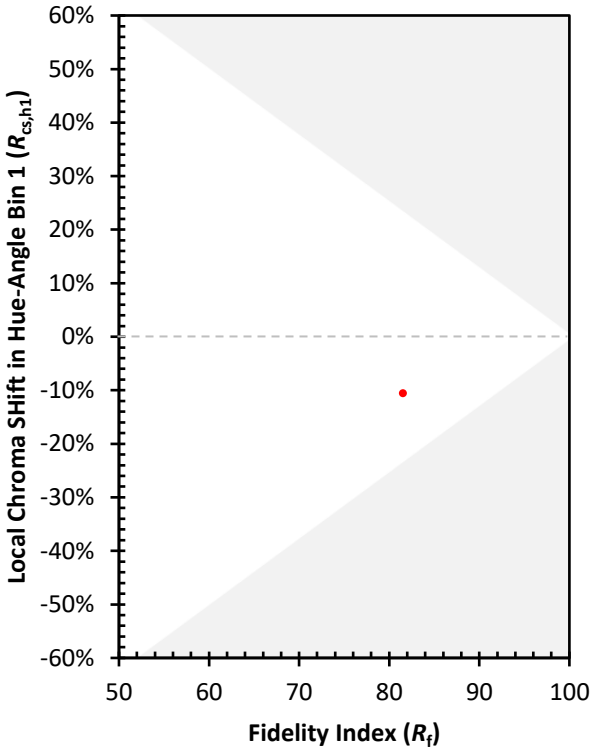
Measure Comparisons





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