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: P641963

Luminaire Tested: GWS-SA6B-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:	P641963
	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-SA6B-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:	12347.8 lumens
Efficiency:	N/A
Efficacy:	88.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

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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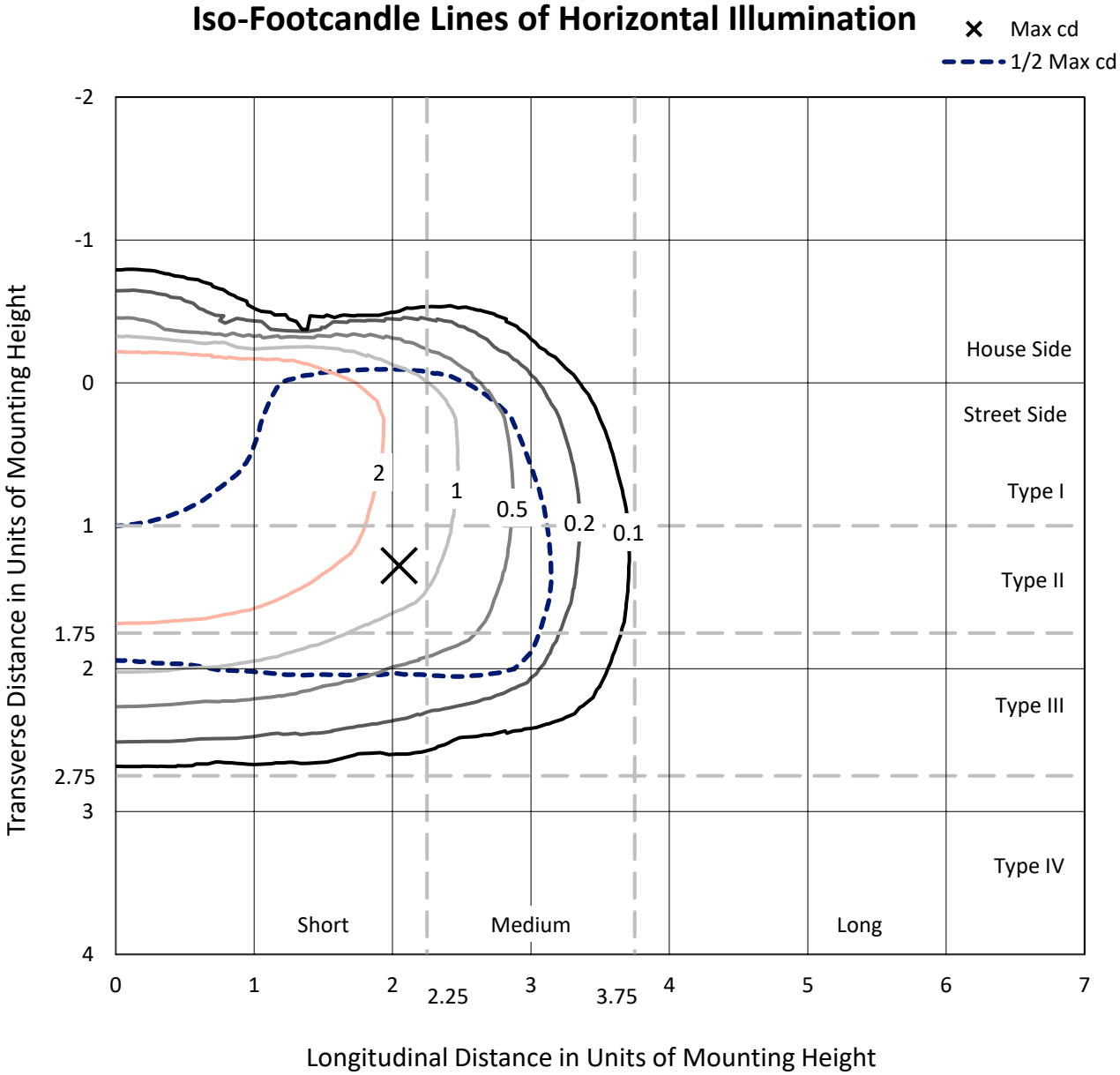
Scaled Data Report

REPORT NUMBER: P641963
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 4.7 fc
Type III - Short - N/A

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REPORT NUMBER: P641963
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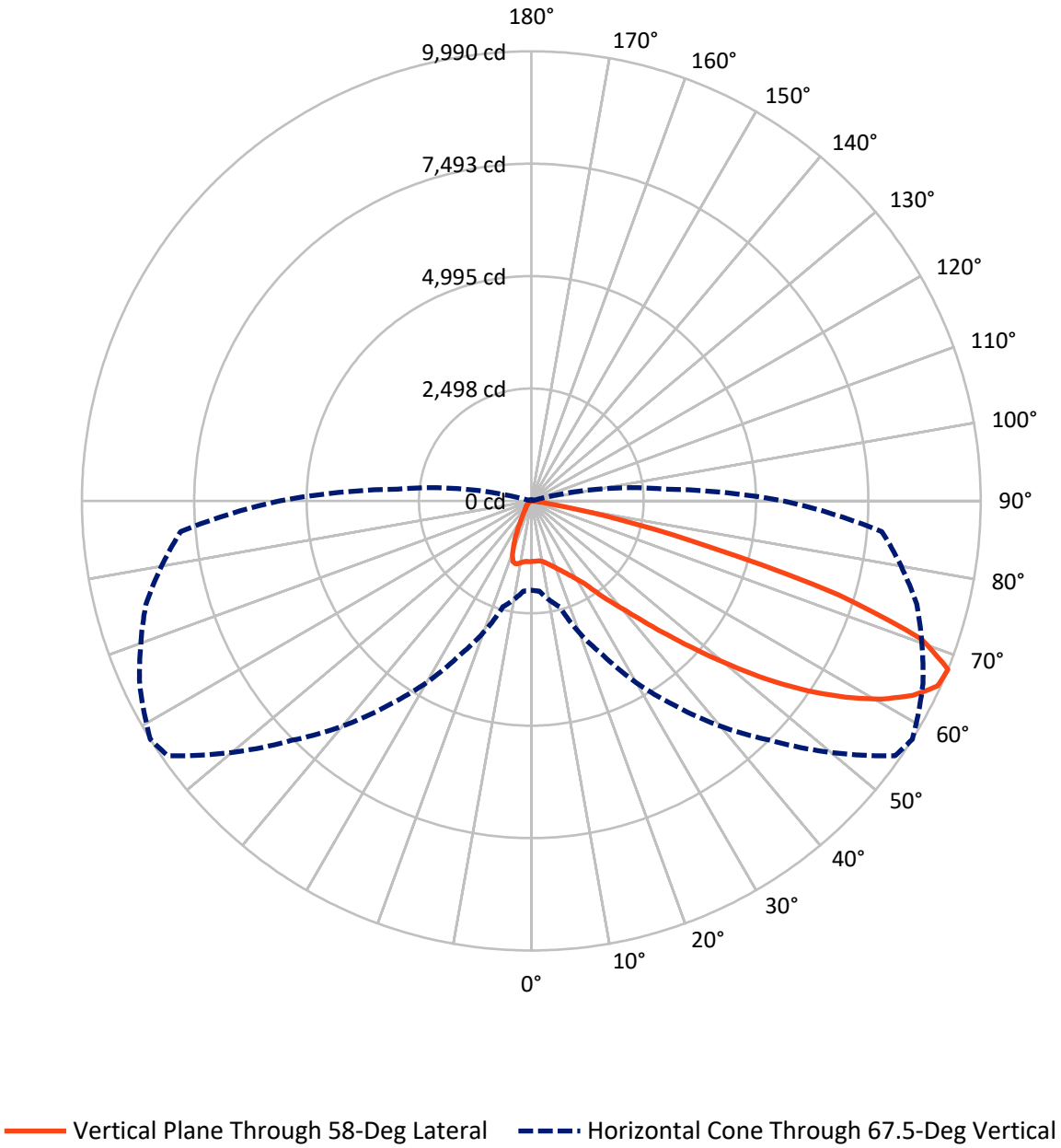
Luminous Intensity Polar Plot



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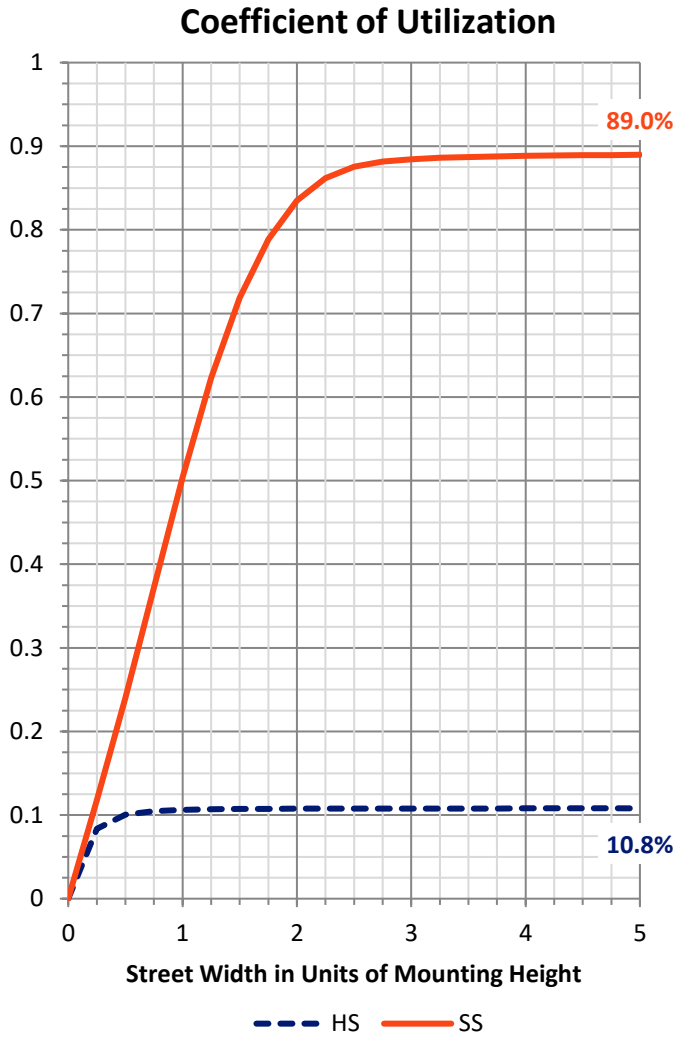
REPORT NUMBER: P641963
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1347.1	0.0	1347.1
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	11000.7	0.0	11000.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	12347.8	0.0	12347.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	1.0
10°-20°	354.9	2.9
20°-30°	619.5	5.0
30°-40°	1106.3	9.0
40°-50°	2022.1	16.4
50°-60°	3362.9	27.2
60°-70°	3652.7	29.6
70°-80°	1072.5	8.7
80°-90°	30.5	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°	12347.8	100.0
0°-180°	12347.8	100.0



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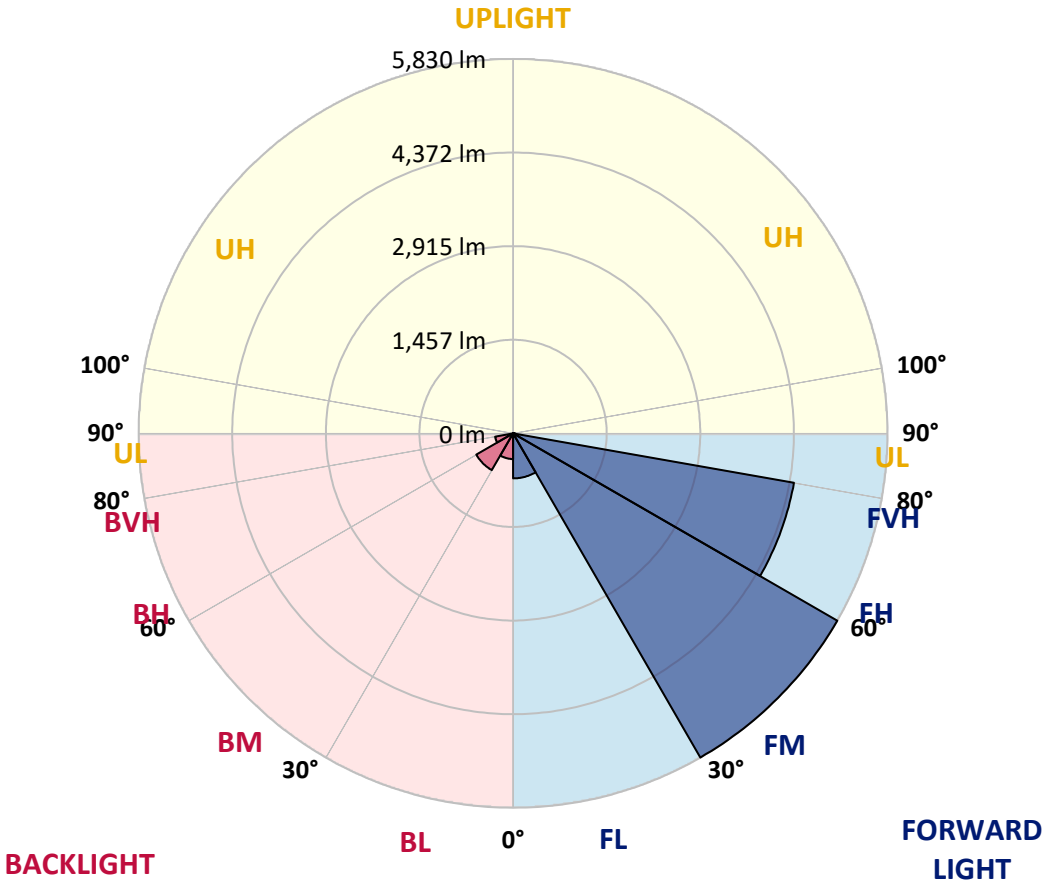
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	701.2	5.7			
FM	(30°-60°)	5829.6	47.2			
FH	(60°-80°)	4440.8	36.0			G2/5000
FVH	(80°-90°)	29.0	0.2			G1/100
BL	(0°-30°)	399.6	3.2	B1/500		
BM	(30°-60°)	661.6	5.4	B1/1000		
BH	(60°-80°)	284.4	2.3	B1/500		G1/500
BVH	(80°-90°)	1.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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Scaled Data Report

REPORT NUMBER: P641963
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5
2.5°	1320.2	1317.8	1317.8	1327.5	1328.7	1333.5	1344.3	1345.5	1351.6	1349.2	1340.7
5°	1251.5	1252.7	1259.9	1276.8	1291.3	1309.4	1335.9	1341.9	1355.2	1362.4	1357.6
7.5°	1187.6	1188.8	1199.7	1226.2	1253.9	1290.1	1333.5	1345.5	1372.1	1391.4	1392.6
10°	1163.5	1162.3	1173.1	1203.3	1239.4	1290.1	1352.8	1368.4	1408.2	1442.0	1448.0
12.5°	1170.7	1169.5	1180.4	1208.1	1247.9	1311.8	1386.5	1408.2	1458.9	1510.7	1521.6
15°	1199.7	1198.4	1205.7	1228.6	1272.0	1338.3	1429.9	1462.5	1526.4	1589.1	1606.0
17.5°	1286.5	1280.4	1273.2	1275.6	1300.9	1369.7	1485.4	1525.2	1604.8	1679.5	1694.0
20°	1440.8	1425.1	1405.8	1380.5	1368.4	1415.5	1549.3	1595.1	1691.6	1777.2	1779.6
22.5°	1673.5	1667.5	1622.8	1549.3	1497.5	1498.7	1624.1	1677.1	1795.3	1889.3	1876.0
25°	1997.8	1994.2	1925.5	1804.9	1669.9	1624.1	1719.3	1773.6	1918.2	2018.3	1976.1
27.5°	2400.5	2375.2	2294.4	2131.6	1930.3	1786.8	1839.9	1888.1	2048.5	2142.5	2062.9
30°	2751.4	2752.6	2676.6	2506.6	2279.9	2031.6	1987.0	2029.2	2167.8	2266.7	2170.2
32.5°	3089.0	3099.8	3016.6	2863.5	2615.1	2351.1	2198.0	2205.2	2320.9	2428.2	2311.3
35°	3402.4	3410.9	3353.0	3222.8	2991.3	2685.1	2492.1	2488.5	2551.2	2660.9	2507.8
37.5°	3753.3	3761.7	3705.1	3588.1	3371.1	3067.3	2826.1	2821.3	2846.6	2935.8	2761.0
40°	4127.1	4142.7	4080.0	3981.2	3773.8	3517.0	3214.3	3170.9	3145.6	3250.5	3089.0
42.5°	4505.6	4529.7	4508.0	4409.2	4231.9	4019.7	3718.3	3650.8	3596.5	3728.0	3556.8
45°	4975.9	5004.8	4995.1	4919.2	4781.7	4609.3	4324.8	4246.4	4221.1	4342.9	4139.1
47.5°	5428.0	5459.3	5494.3	5477.4	5379.8	5300.2	4984.3	4939.7	4932.4	5062.7	4746.8
50°	5764.4	5793.3	5927.1	6023.6	6089.9	6073.0	5799.3	5733.0	5722.2	5805.4	5388.2
52.5°	6005.5	6033.2	6217.7	6519.1	6762.7	6895.3	6619.2	6604.7	6545.6	6516.7	5988.6
55°	6192.4	6231.0	6425.1	6880.8	7371.5	7665.7	7493.3	7441.5	7289.6	7123.2	6545.6
57.5°	6229.8	6245.4	6519.1	7134.0	7844.2	8320.4	8320.4	8230.0	7937.0	7706.7	7189.5
60°	5894.6	5942.8	6313.0	7113.5	8046.7	8748.4	9006.4	8943.8	8548.3	8265.0	7809.2
62.5°	5150.7	5204.9	5655.9	6622.8	7844.2	8836.4	9526.1	9516.4	9070.3	8726.7	8322.8
65°	3949.8	3989.6	4382.7	5540.1	6988.1	8497.6	9897.4	9924.0	9482.7	9031.8	8500.1
67.5°	1984.6	2012.3	2436.7	3784.6	5538.9	7522.3	9872.1	9990.3	9608.1	8870.2	7823.7
70°	693.3	721.0	921.1	1624.1	3371.1	5743.9	9018.5	9211.4	8871.4	7571.7	5771.6
72.5°	237.5	250.8	382.2	602.8	1311.8	3404.8	6857.9	7148.5	6539.6	5083.2	3316.8
75°	135.0	143.5	205.0	326.7	549.8	1120.1	3890.7	4069.2	3812.4	2770.7	1364.8
77.5°	91.6	98.9	127.8	185.7	303.8	360.5	1586.7	1997.8	1742.2	904.3	348.4
80°	54.3	59.1	78.4	109.7	155.5	139.9	340.0	452.1	582.3	270.1	104.9
82.5°	25.3	28.9	50.6	72.3	78.4	59.1	100.1	121.8	164.0	132.6	43.4
85°	0.0	0.0	16.9	30.1	28.9	16.9	27.7	30.1	44.6	66.3	16.9
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	7.2	13.3	7.2
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: P641963
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5
2.5°	1350.4	1341.9	1351.6	1346.7	1351.6	1350.4	1340.7	1334.7	1334.7	1323.8	1320.2
5°	1367.2	1358.8	1361.2	1350.4	1348.0	1341.9	1329.9	1325.0	1325.0	1314.2	1310.6
7.5°	1404.6	1391.4	1388.9	1367.2	1357.6	1340.7	1319.0	1310.6	1309.4	1298.5	1294.9
10°	1463.7	1448.0	1437.2	1409.4	1381.7	1348.0	1302.1	1263.6	1241.9	1212.9	1210.5
12.5°	1536.0	1516.7	1499.9	1457.7	1411.9	1335.9	1200.9	1059.8	973.0	904.3	909.1
15°	1616.8	1598.7	1572.2	1508.3	1414.3	1216.5	934.4	717.4	611.3	554.6	552.2
17.5°	1704.8	1678.3	1634.9	1548.1	1338.3	929.6	607.7	429.2	373.8	354.5	349.6
20°	1786.8	1754.3	1700.0	1556.5	1118.9	629.4	379.8	332.8	323.1	317.1	317.1
22.5°	1873.6	1832.6	1751.9	1491.4	831.9	402.7	323.1	312.3	305.0	296.6	295.4
25°	1961.6	1908.6	1798.9	1321.4	545.0	317.1	302.6	290.6	277.3	264.0	260.4
27.5°	2036.4	1967.7	1835.0	1068.2	349.6	285.7	276.1	255.6	237.5	223.1	220.6
30°	2125.6	2037.6	1850.7	781.3	274.9	252.0	237.5	215.8	194.1	179.6	174.8
32.5°	2245.0	2148.5	1826.6	508.8	243.5	221.8	198.9	173.6	151.9	136.2	133.8
35°	2430.7	2316.1	1715.7	324.3	220.6	191.7	164.0	137.4	119.4	107.3	104.9
37.5°	2657.3	2551.2	1533.6	243.5	197.7	166.4	133.8	108.5	95.2	86.8	84.4
40°	2993.7	2845.4	1308.2	213.4	174.8	141.1	109.7	89.2	79.6	72.3	69.9
42.5°	3430.2	3192.6	1048.9	194.1	153.1	118.2	89.2	73.5	65.1	60.3	59.1
45°	3940.2	3531.4	775.3	174.8	132.6	97.7	73.5	60.3	54.3	50.6	49.4
47.5°	4462.2	3828.0	535.3	154.3	113.3	80.8	61.5	51.8	47.0	42.2	41.0
50°	5019.3	4078.8	365.3	133.8	96.5	66.3	53.1	47.0	41.0	37.4	36.2
52.5°	5428.0	4171.7	254.4	115.7	82.0	56.7	47.0	42.2	37.4	32.6	31.3
55°	5805.4	4169.2	192.9	97.7	69.9	49.4	42.2	37.4	32.6	28.9	27.7
57.5°	6181.5	4136.7	151.9	83.2	60.3	44.6	37.4	32.6	30.1	25.3	24.1
60°	6425.1	4013.7	118.2	69.9	51.8	38.6	32.6	28.9	25.3	21.7	20.5
62.5°	6554.1	3842.5	90.4	55.5	42.2	33.8	28.9	25.3	21.7	18.1	16.9
65°	6379.3	3538.7	71.1	43.4	32.6	28.9	24.1	20.5	16.9	13.3	12.1
67.5°	*5604.0*	*2984.1*	*55.5*	*35.0*	*25.3*	*21.7*	*20.5*	*16.9*	*12.1*	*9.6*	*8.4*
70°	3960.7	2043.6	43.4	26.5	19.3	16.9	15.7	13.3	9.6	7.2	6.0
72.5°	2173.8	1030.9	31.3	19.3	14.5	13.3	12.1	10.9	8.4	6.0	6.0
75°	836.7	283.3	22.9	13.3	9.6	9.6	8.4	8.4	7.2	4.8	4.8
77.5°	218.2	84.4	14.5	8.4	6.0	6.0	6.0	4.8	4.8	3.6	3.6
80°	69.9	27.7	8.4	6.0	4.8	3.6	3.6	2.4	3.6	2.4	2.4
82.5°	22.9	9.6	4.8	4.8	3.6	2.4	2.4	1.2	1.2	0.0	0.0
85°	8.4	4.8	3.6	2.4	2.4	2.4	1.2	0.0	0.0	0.0	0.0
87.5°	4.8	2.4	2.4	2.4	2.4	1.2	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

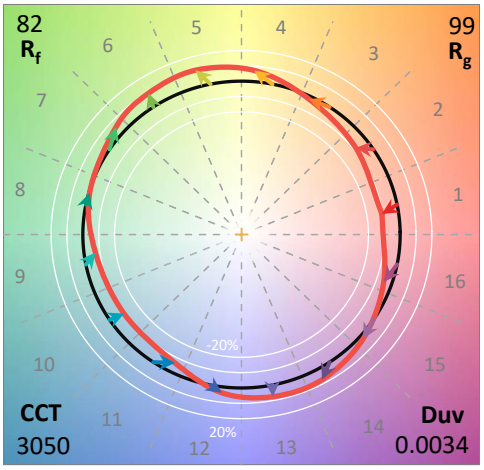
Test Information

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

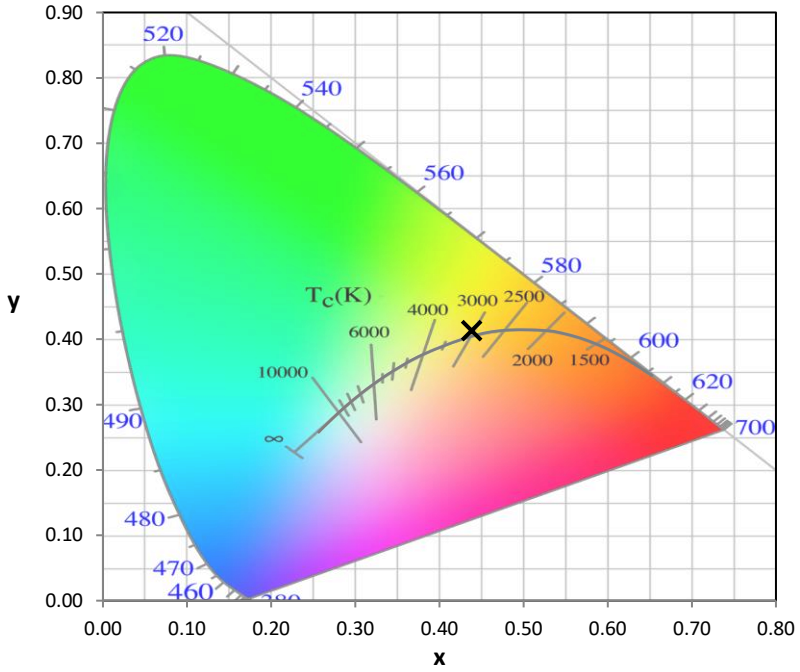
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

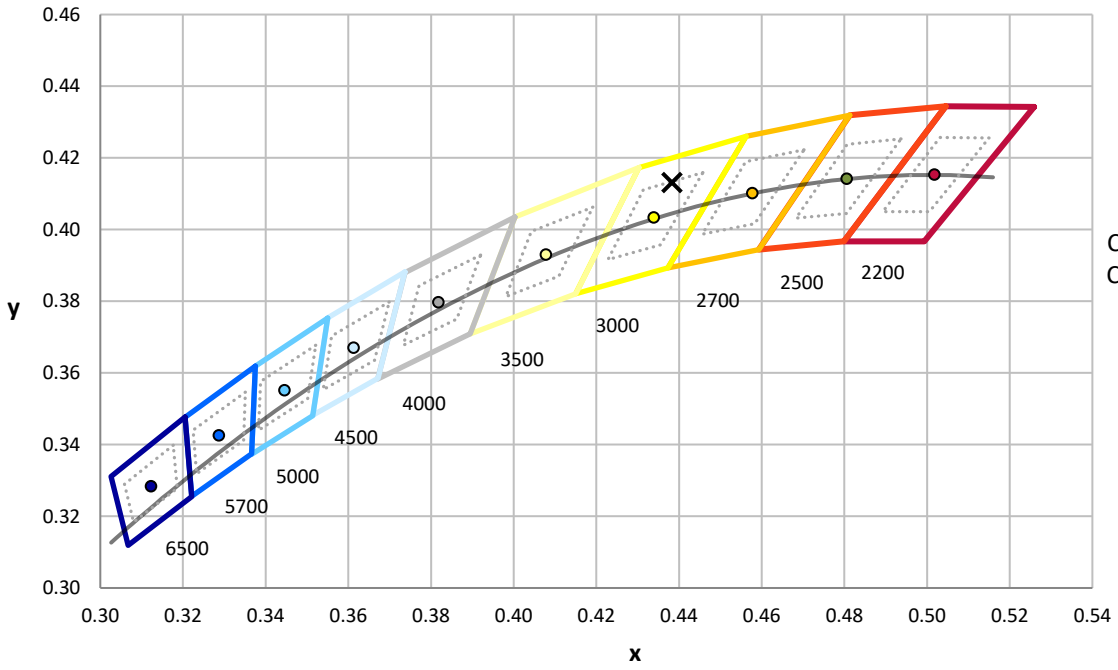
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

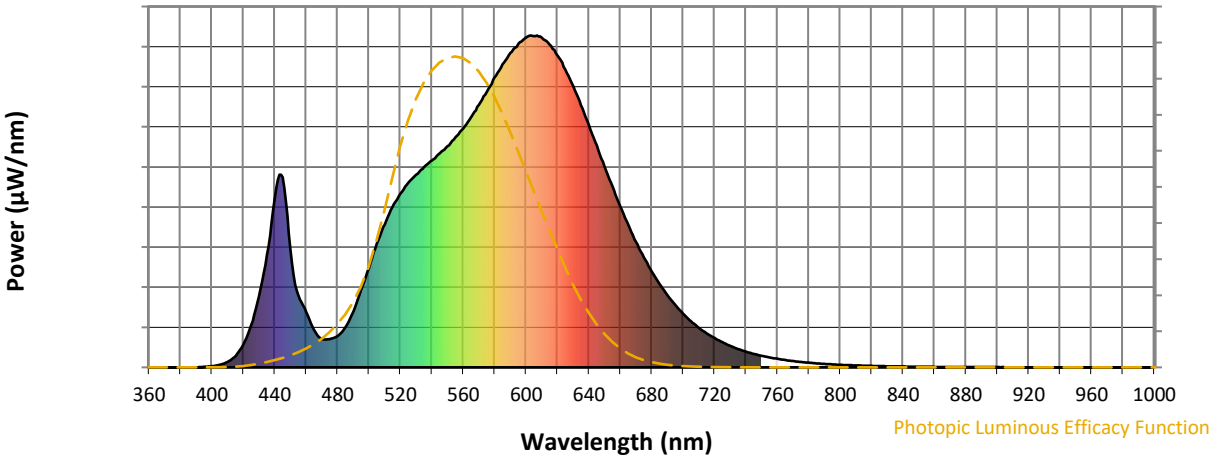


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

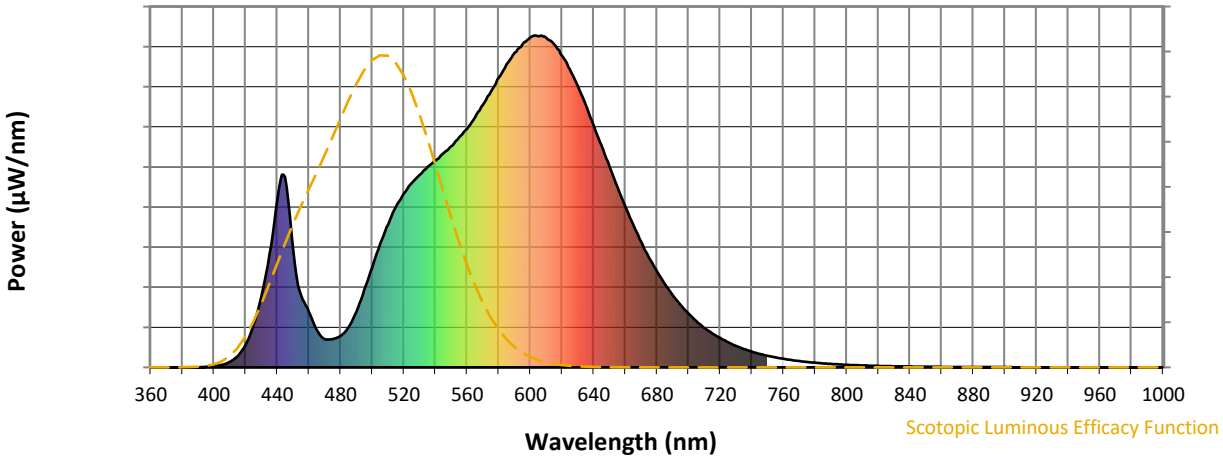


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

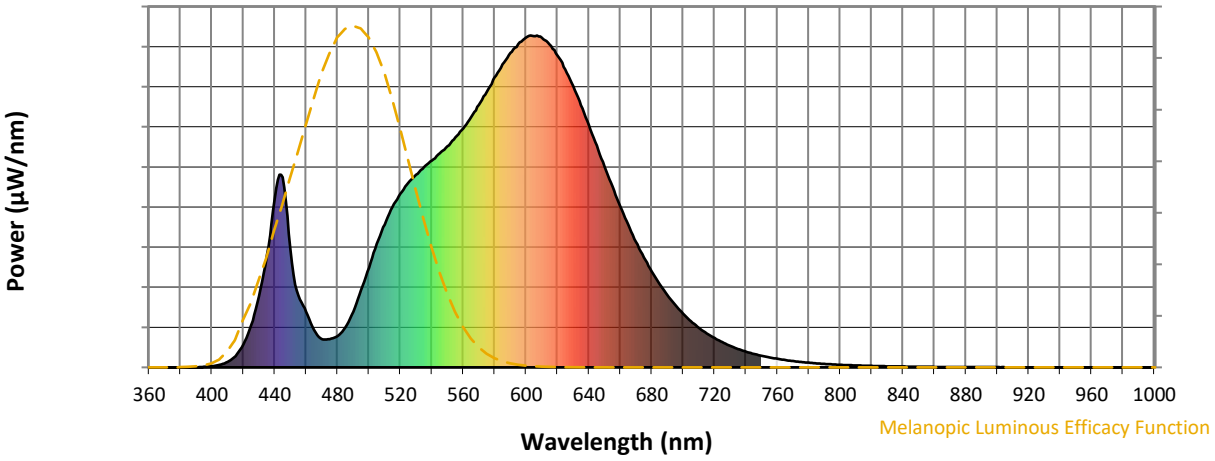


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

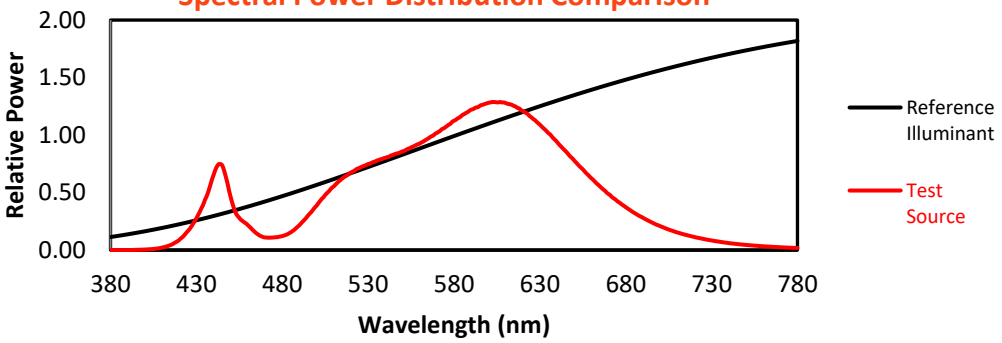
REPORT NUMBER: SP1-2408-195-9

TM-30-18

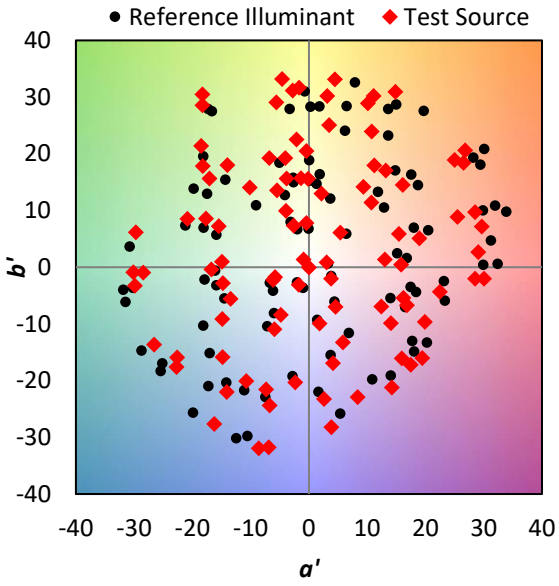
Summary

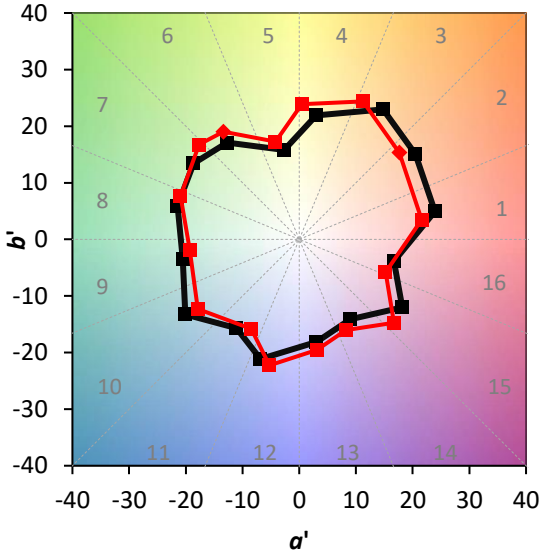
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

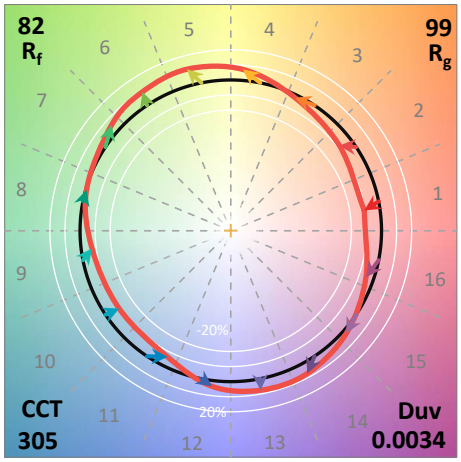
Spectral Power Distribution Comparison

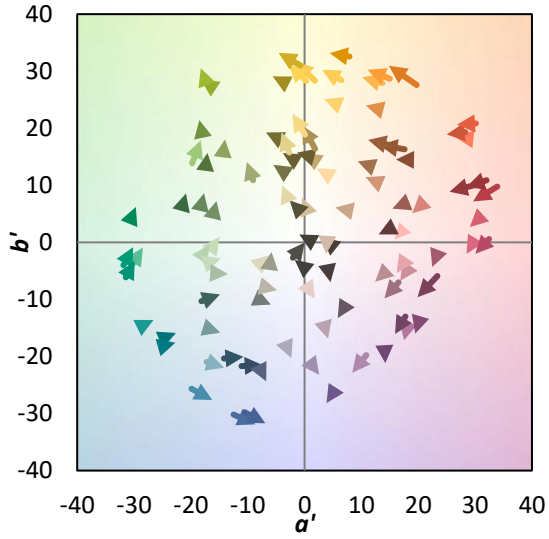


Color Vector Graphics







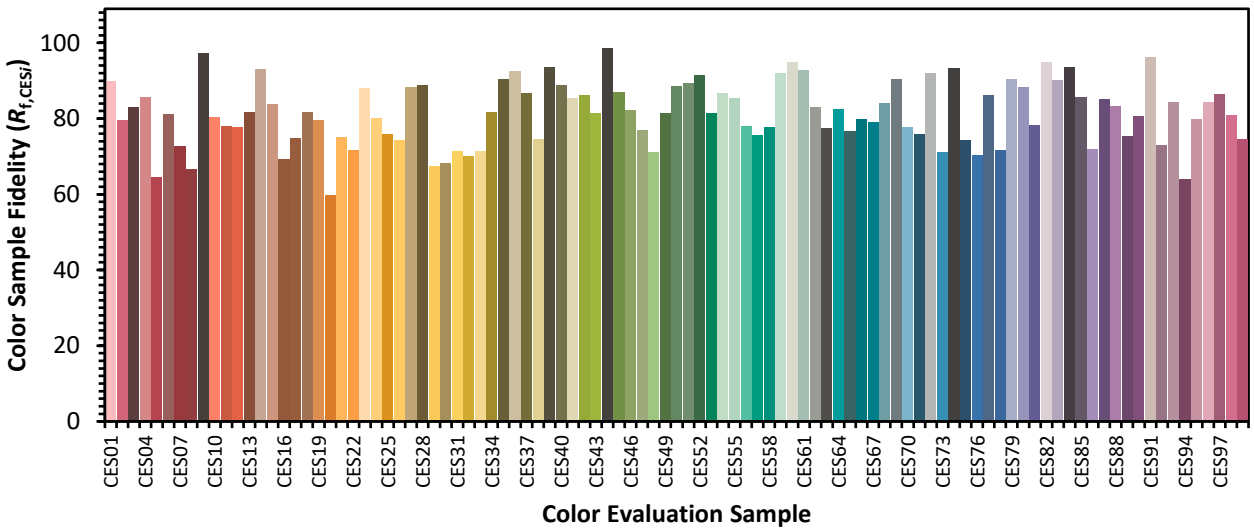


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

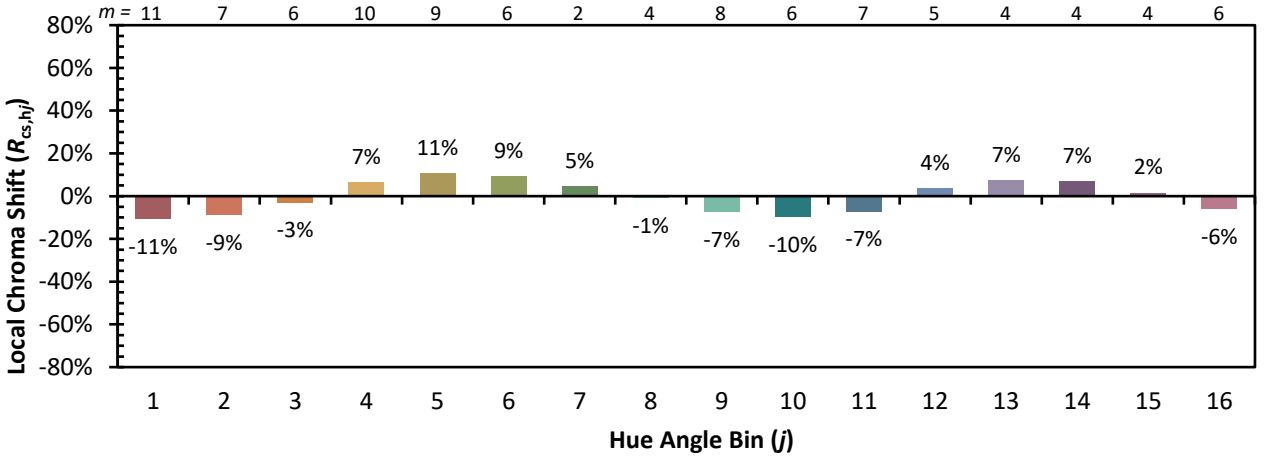
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

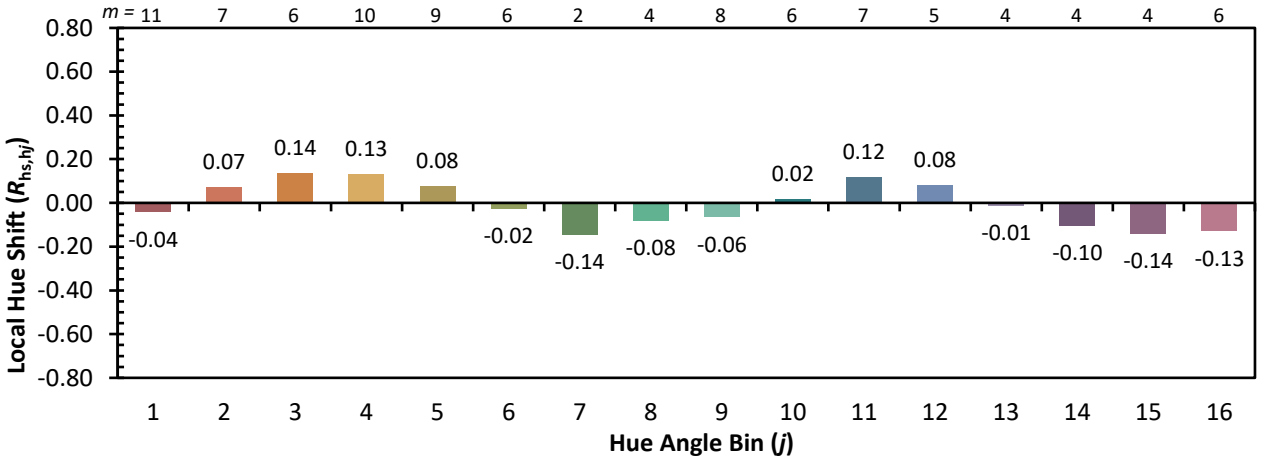


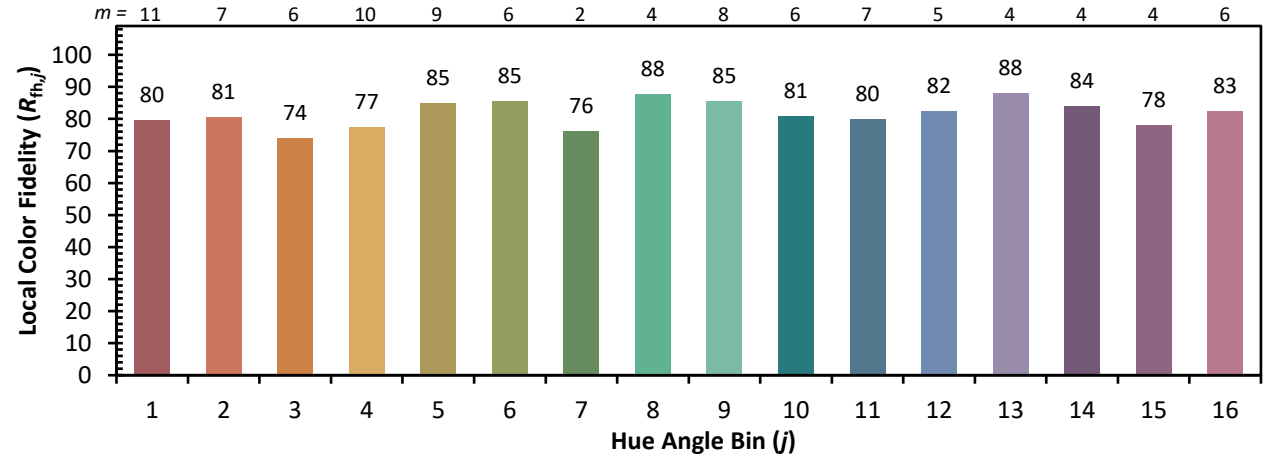
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



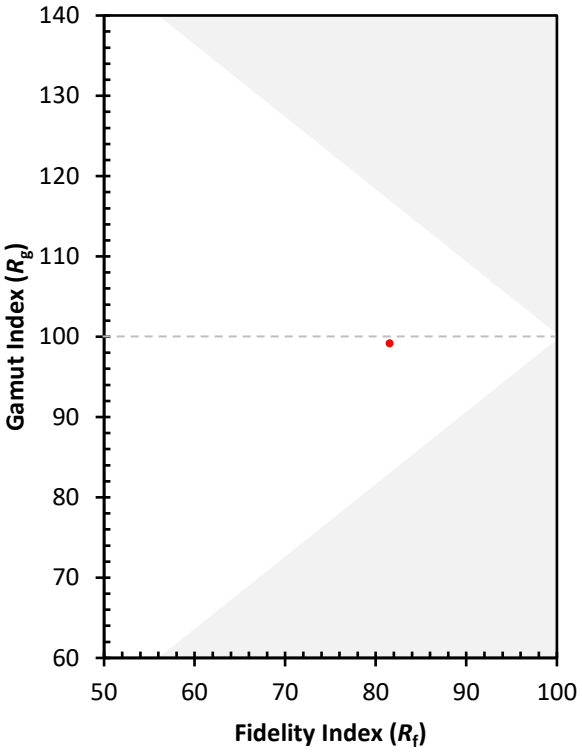


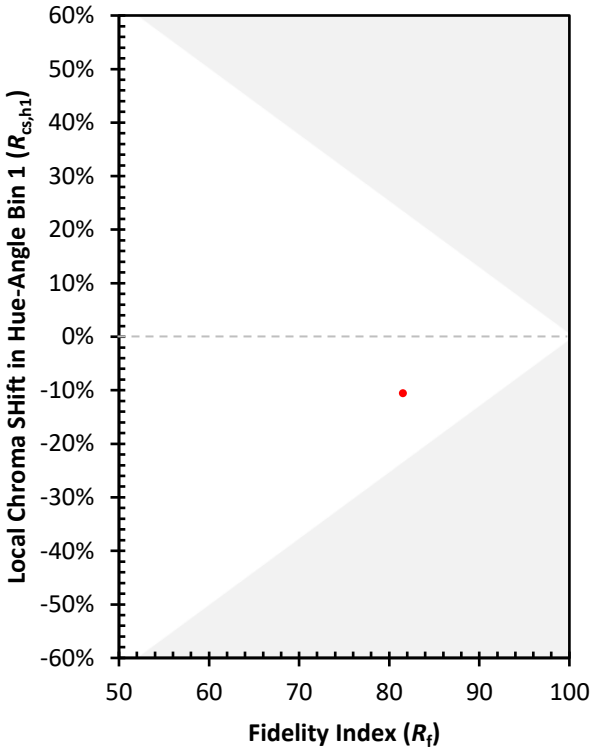


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)