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: P642422

Luminaire Tested: GWS-SA6C-830-U-AFL-W-GRSBK

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:	P642422
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-AFL-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16988.3 lumens
Efficiency:	N/A
Efficacy:	89.8 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G1

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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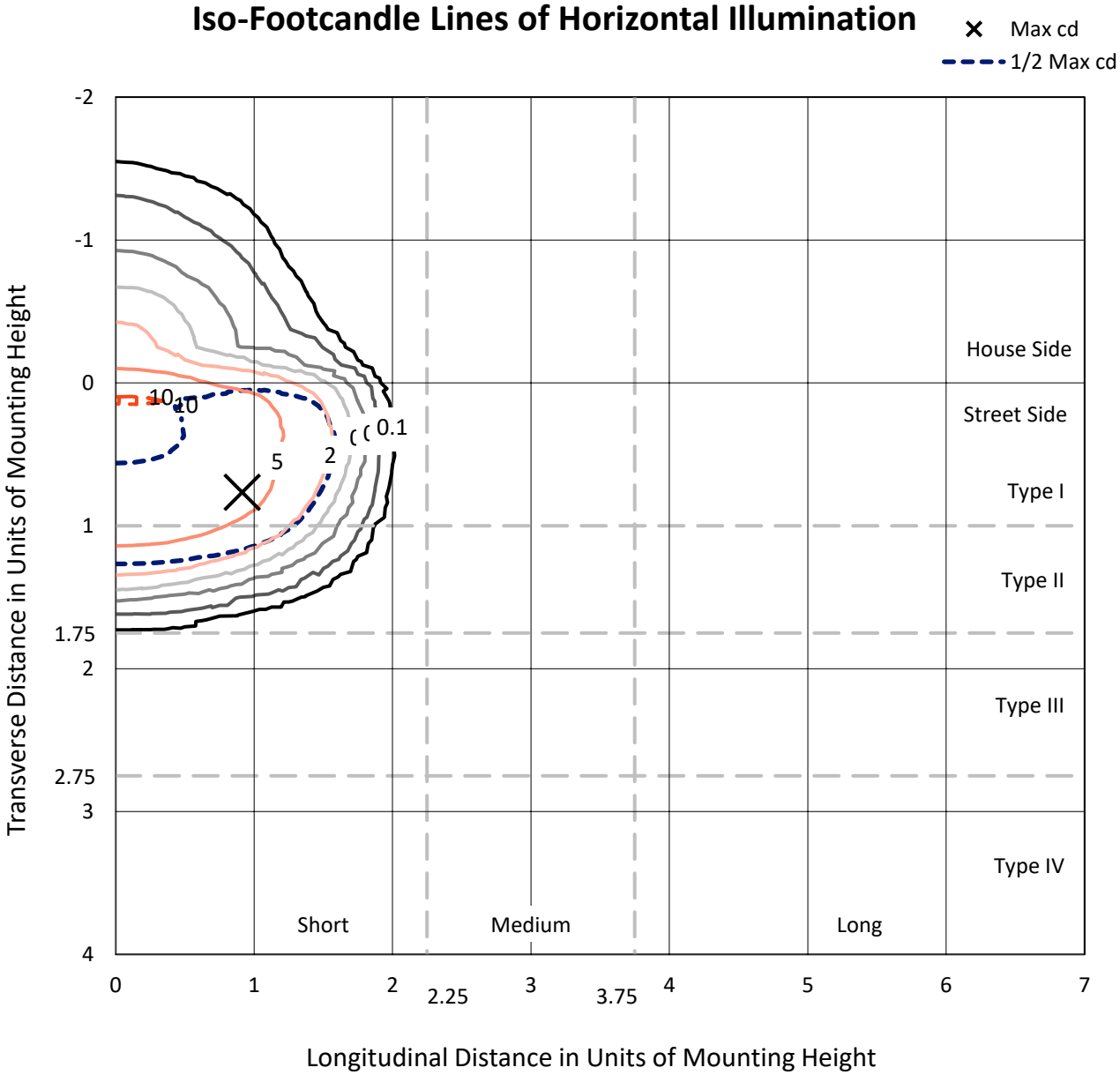
REPORT NUMBER: P642422
CATALOG NUMBER: GWS-SA6C-830-U-AFL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
Type II - Short - N/A

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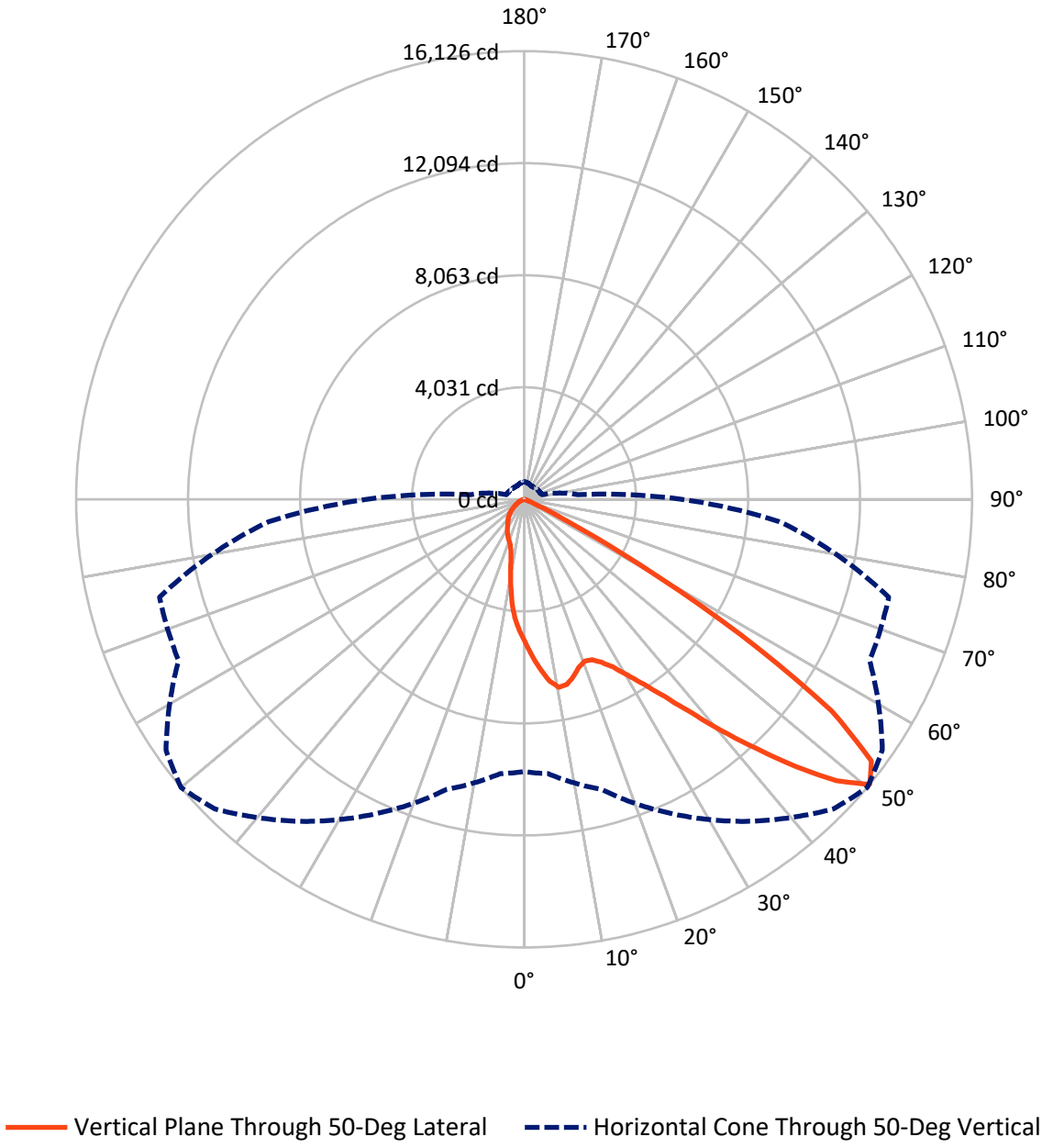
Luminous Intensity Polar Plot



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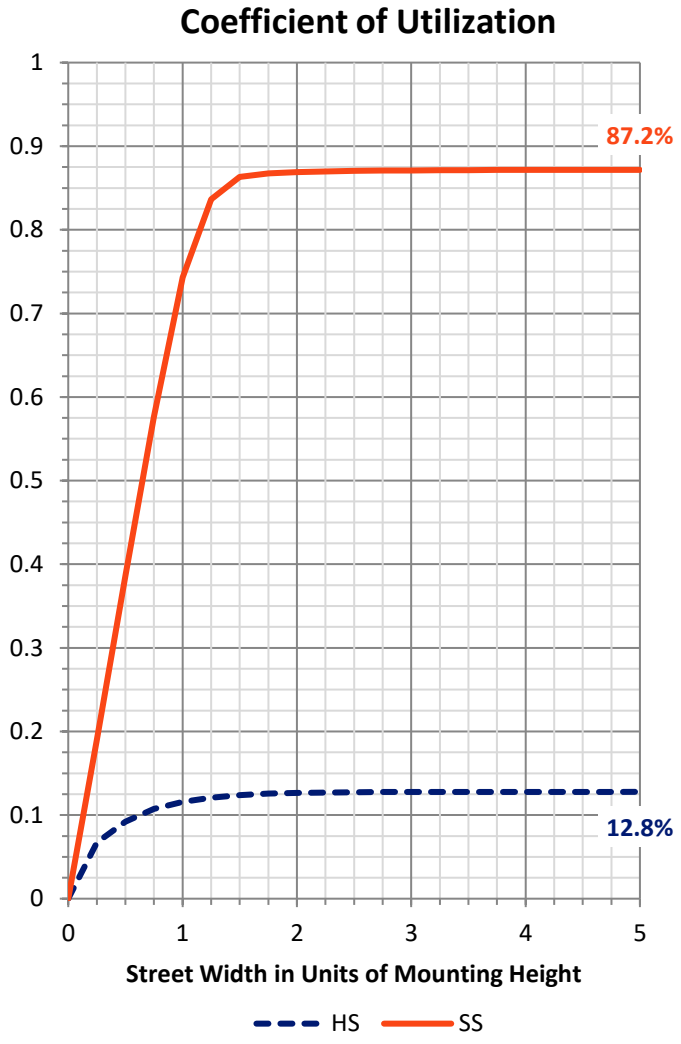
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2182.7	0.0	2182.7
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	14805.6	0.0	14805.6
	% Fixture	87.2	0.0	87.2
Total	Lumens	16988.3	0.0	16988.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.4	2.8
10°-20°	1231.8	7.3
20°-30°	2033.0	12.0
30°-40°	3354.8	19.7
40°-50°	5308.1	31.2
50°-60°	4018.9	23.7
60°-70°	503.0	3.0
70°-80°	56.9	0.3
80°-90°	4.4	0.0
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°	16988.3	100.0
0°-180°	16988.3	100.0



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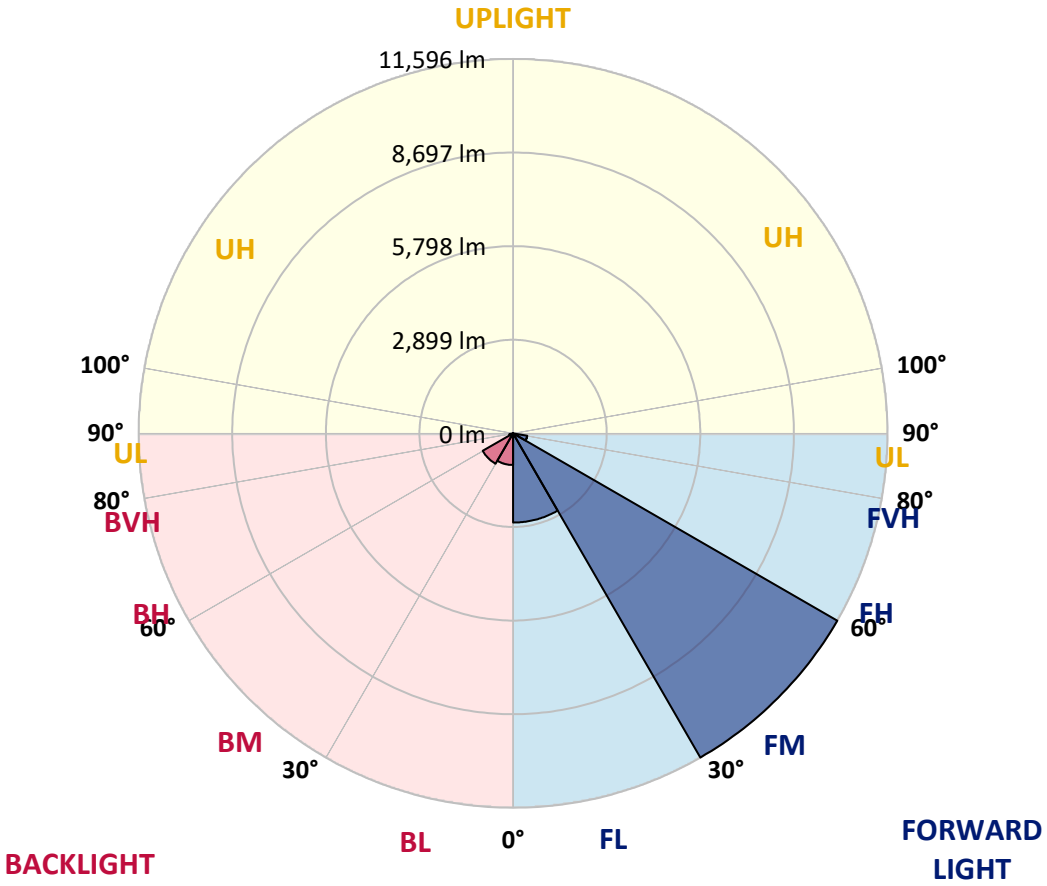
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2762.5	16.3			
FM	(30°-60°)	11596.3	68.3			
FH	(60°-80°)	444.7	2.6			G0/660
FVH	(80°-90°)	2.0	0.0			G0/10
BL	(0°-30°)	979.7	5.8	B2/1000		
BM	(30°-60°)	1085.5	6.4	B2/2500		
BH	(60°-80°)	115.2	0.7	B1/500		G1/500
BVH	(80°-90°)	2.3	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-G1
Type II Short



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REPORT NUMBER: P642422
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5146.8	5146.8	5146.8	5146.8	5146.8	5146.8	*5146.8*	5146.8	5146.8	5146.8	5146.8
2.5°	5864.7	5911.6	5898.7	5837.2	5770.9	5724.0	*5651.3*	5628.6	5463.7	5348.9	5227.6
5°	6572.9	6587.5	6571.3	6496.9	6380.5	6268.9	*6149.3*	6079.8	5803.3	5554.3	5300.4
7.5°	6742.7	6724.9	6755.7	6792.8	6776.7	6728.2	*6602.0*	6526.0	6196.2	5790.3	5405.5
10°	6212.4	6171.9	6286.7	6479.2	6681.3	6909.3	*6876.9*	6883.4	6579.4	6087.8	5542.9
12.5°	5509.0	5492.8	5578.5	5801.6	6197.8	6715.2	*6839.7*	7048.3	6930.3	6409.6	5699.8
15°	5200.1	5208.2	5260.0	5400.6	5685.2	6328.8	*6627.9*	7004.7	7244.0	6721.7	5872.8
17.5°	5247.0	5276.1	5274.5	5321.4	5494.4	6010.2	*6359.5*	6867.2	7486.5	7080.7	6071.7
20°	5565.6	5594.7	5551.0	5515.4	5573.7	5929.4	*6218.8*	6728.2	7649.8	7442.9	6281.9
22.5°	6042.6	6076.5	5973.0	5871.2	5834.0	6062.0	*6272.2*	6671.6	7774.3	7774.3	6469.5
25°	6619.8	6666.7	6506.6	6325.5	6222.1	6341.7	*6500.2*	6799.3	7902.1	8071.9	6597.2
27.5°	7265.0	7266.6	7129.2	6925.4	6731.4	6746.0	*6841.4*	7087.1	8042.8	8392.0	6697.4
30°	7991.0	7995.9	7813.1	7569.0	7324.8	7258.5	*7339.4*	7525.3	8335.4	8794.6	6836.5
32.5°	8928.8	8951.5	8689.5	8330.6	8013.6	7889.1	*7936.0*	8131.7	8801.1	9299.1	7045.1
35°	10196.5	10220.8	9834.3	9360.6	8856.1	8668.5	*8715.4*	8912.7	9475.4	10015.4	7378.2
37.5°	11448.1	11480.4	11089.1	10647.7	9955.6	9645.2	*9693.7*	9881.2	10487.6	11005.0	7911.8
40°	12313.1	12356.8	12235.5	11938.0	11296.1	10888.6	*10946.8*	11014.7	11601.7	12188.6	8603.8
42.5°	12769.1	12830.6	12882.3	13034.3	12696.4	12355.2	*12256.5*	12261.4	12735.2	13394.9	9323.4
45°	12796.6	12856.4	13121.6	13708.6	13965.7	13894.5	*13715.0*	13593.8	13600.2	14198.5	9772.9
47.5°	11907.3	12018.9	12515.3	13664.9	14631.9	15222.0	*15131.5*	14843.7	13964.1	14251.9	9724.4
50°	*9800.4*	*9910.3*	*10812.6*	*12466.8*	*14146.8*	*15752.4*	*16125.9*	*15739.5*	*13726.4*	*13587.3*	*9224.7*
52.5°	7117.9	7129.2	7714.5	9646.8	12180.5	14774.2	*15653.8*	15616.6	13364.2	12782.1	8542.4
55°	3381.1	3340.6	3998.7	5444.3	8424.4	11949.3	*13432.1*	13852.5	12850.0	12200.0	8013.6
57.5°	984.7	1004.1	1296.8	2124.7	4213.8	7636.9	*9198.9*	9981.5	10547.4	10030.0	6215.6
60°	441.4	443.0	493.2	646.8	1403.5	3552.5	*4755.5*	5724.0	6306.1	5843.7	3083.5
62.5°	320.2	321.8	341.2	365.4	477.0	1203.0	*1783.5*	2376.9	2420.6	1584.6	781.0
65°	266.8	266.8	270.0	270.0	286.2	430.1	*541.7*	698.5	588.6	436.6	305.6
67.5°	215.1	216.7	219.9	219.9	215.1	215.1	*232.8*	255.5	273.3	337.9	281.4
70°	168.2	166.5	166.5	168.2	163.3	139.1	*150.4*	171.4	187.6	263.6	244.2
72.5°	131.0	132.6	131.0	124.5	113.2	82.5	*88.9*	111.6	119.7	164.9	164.9
75°	98.6	100.3	93.8	71.1	46.9	25.9	*34.0*	55.0	69.5	80.8	59.8
77.5°	12.9	12.9	9.7	9.7	8.1	9.7	*9.7*	12.9	19.4	19.4	14.6
80°	1.6	1.6	1.6	3.2	4.9	6.5	*6.5*	6.5	6.5	8.1	8.1
82.5°	1.6	1.6	1.6	1.6	4.9	4.9	*6.5*	6.5	6.5	6.5	6.5
85°	0.0	0.0	0.0	1.6	3.2	4.9	*4.9*	6.5	6.5	6.5	6.5
87.5°	0.0	0.0	0.0	1.6	3.2	4.9	*4.9*	4.9	6.5	6.5	6.5
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: P642422
CATALOG NUMBER: GWS-SA6C-830-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5146.8	5146.8	5146.8	5146.8	5146.8	5146.8	5146.8	5146.8	5146.8	5146.8	5146.8
2.5°	5154.9	5061.1	4947.9	4870.3	4760.3	4687.6	4584.1	4514.5	4454.7	4407.8	4433.7
5°	5156.5	5007.7	4776.5	4579.2	4364.2	4166.9	3955.1	3788.5	3638.2	3570.2	3607.4
7.5°	5188.8	4975.4	4621.3	4270.4	3858.1	3450.6	3069.0	2758.5	2604.9	2532.2	2554.8
10°	5251.9	4960.8	4448.3	3866.1	3196.7	2640.5	2270.2	2060.0	1974.3	1929.0	1937.1
12.5°	5310.1	4951.1	4223.5	3334.2	2522.5	2048.7	1856.3	1827.2	1844.9	1846.6	1844.9
15°	5389.3	4933.3	3945.4	2787.6	2018.0	1770.6	1775.4	1817.5	1859.5	1872.4	1869.2
17.5°	5473.4	4905.9	3586.4	2263.7	1712.4	1689.7	1746.3	1802.9	1844.9	1851.4	1853.0
20°	5560.7	4849.3	3177.3	1848.2	1570.1	1628.3	1691.3	1733.4	1764.1	1773.8	1777.0
22.5°	5601.1	4729.6	2705.2	1550.7	1474.7	1552.3	1599.2	1654.1	1663.9	1628.3	1634.7
25°	5580.1	4527.5	2244.3	1350.2	1379.3	1456.9	1526.4	1498.9	1458.5	1432.6	1440.7
27.5°	5513.8	4259.1	1793.2	1203.0	1277.4	1376.0	1384.1	1353.4	1346.9	1325.9	1332.4
30°	5442.7	3950.2	1442.3	1085.0	1173.9	1277.4	1253.1	1264.5	1266.1	1241.8	1249.9
32.5°	5399.0	3626.8	1148.0	1005.7	1107.6	1127.0	1175.5	1198.2	1199.8	1143.2	1152.9
35°	5413.6	3308.3	971.8	941.1	1046.2	1041.3	1109.2	1122.2	1028.4	950.8	958.9
37.5°	5531.6	3014.0	871.5	890.9	939.5	976.6	1028.4	942.7	921.7	886.1	890.9
40°	5751.5	2763.4	811.7	860.2	866.7	926.5	847.3	858.6	860.2	837.6	842.4
42.5°	6008.6	2554.8	776.1	842.4	826.3	836.0	756.7	779.4	803.6	793.9	795.5
45°	6138.0	2351.1	745.4	781.0	785.8	693.7	675.9	700.1	730.9	735.7	737.3
47.5°	6023.2	2157.0	713.1	692.1	724.4	632.2	611.2	619.3	654.9	674.3	677.5
50°	*5672.3*	*1933.9*	*664.6*	*612.8*	*595.0*	*567.6*	*548.1*	*549.8*	*590.2*	*624.1*	*630.6*
52.5°	5179.1	1701.0	585.3	519.0	478.6	499.6	504.5	494.8	532.0	565.9	572.4
55°	4700.5	1410.0	464.1	422.0	384.8	430.1	443.0	430.1	441.4	464.1	465.7
57.5°	3309.9	797.2	355.7	349.3	318.5	368.7	389.7	370.3	350.9	365.4	368.7
60°	1534.5	417.2	273.3	273.3	265.2	316.9	352.5	325.0	287.8	294.3	299.1
62.5°	480.2	263.6	200.5	189.2	216.7	270.0	299.1	271.6	228.0	228.0	234.5
65°	271.6	226.4	158.5	145.5	176.2	216.7	234.5	205.4	166.5	163.3	163.3
67.5°	252.2	215.1	140.7	118.0	124.5	139.1	145.5	126.1	114.8	113.2	114.8
70°	208.6	179.5	113.2	80.8	76.0	74.4	77.6	72.8	69.5	71.1	76.0
72.5°	129.4	108.3	71.1	48.5	42.0	40.4	40.4	40.4	38.8	38.8	38.8
75°	46.9	40.4	32.3	24.3	21.0	19.4	19.4	21.0	19.4	17.8	16.2
77.5°	14.6	12.9	12.9	12.9	11.3	9.7	8.1	8.1	6.5	4.9	4.9
80°	8.1	8.1	8.1	8.1	6.5	6.5	4.9	3.2	1.6	1.6	0.0
82.5°	8.1	8.1	8.1	6.5	6.5	6.5	4.9	3.2	1.6	0.0	0.0
85°	6.5	6.5	6.5	6.5	6.5	6.5	4.9	3.2	1.6	0.0	0.0
87.5°	6.5	6.5	6.5	6.5	6.5	6.5	4.9	3.2	1.6	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

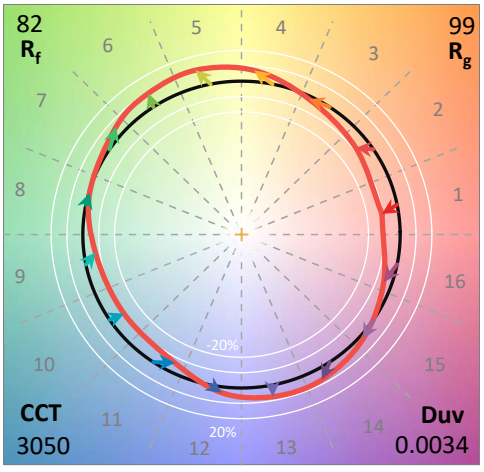
Test Information

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

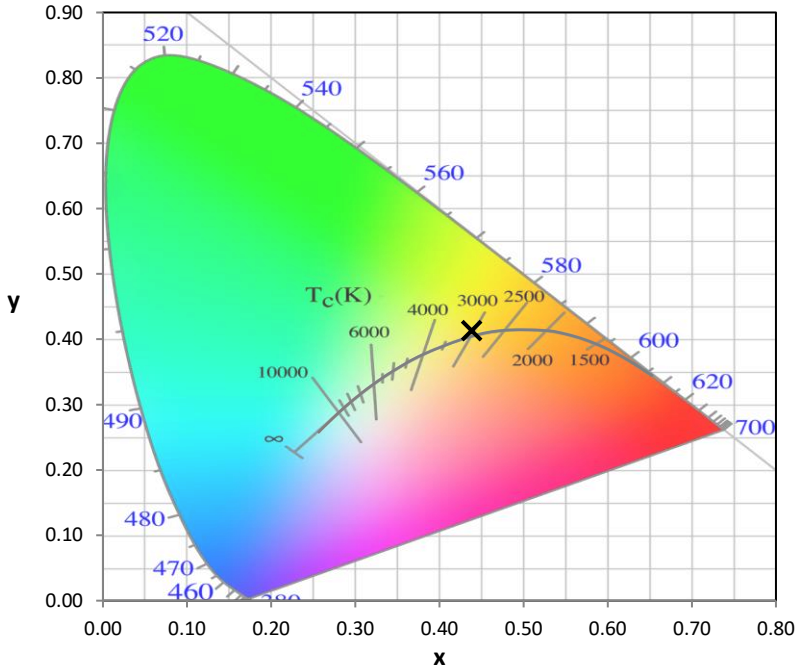
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

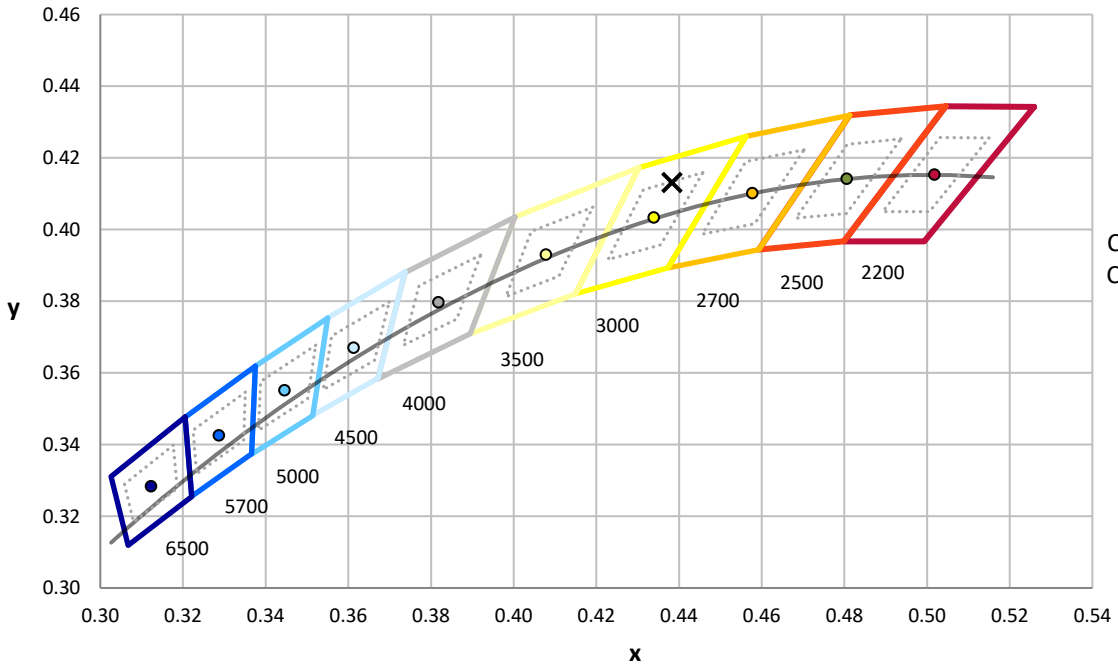
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

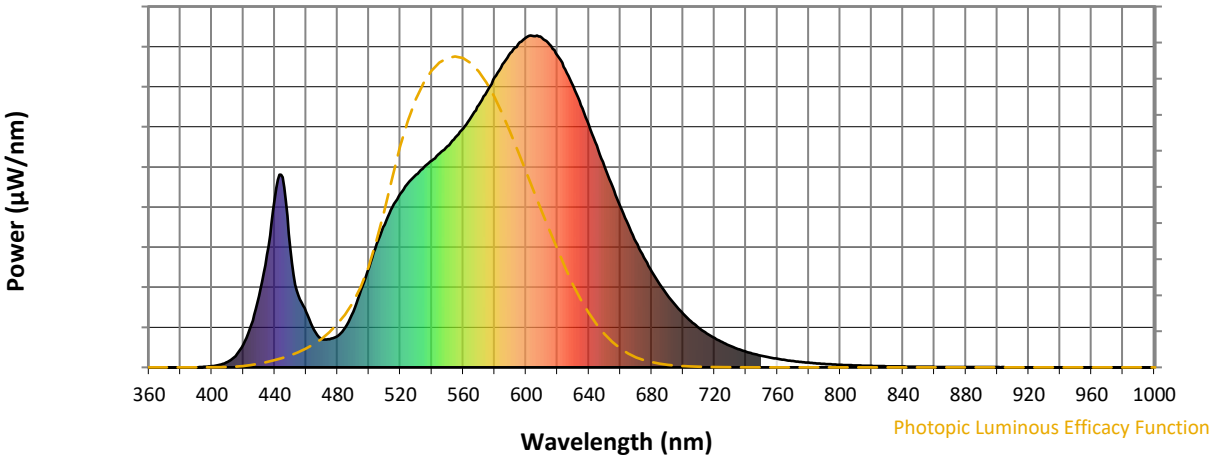


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

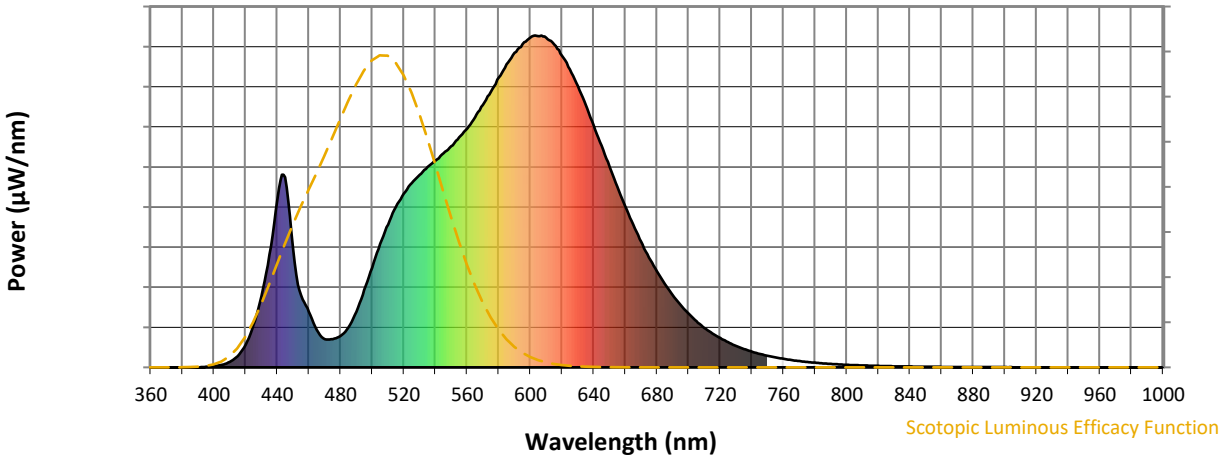


Photopic Lumens: NR

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

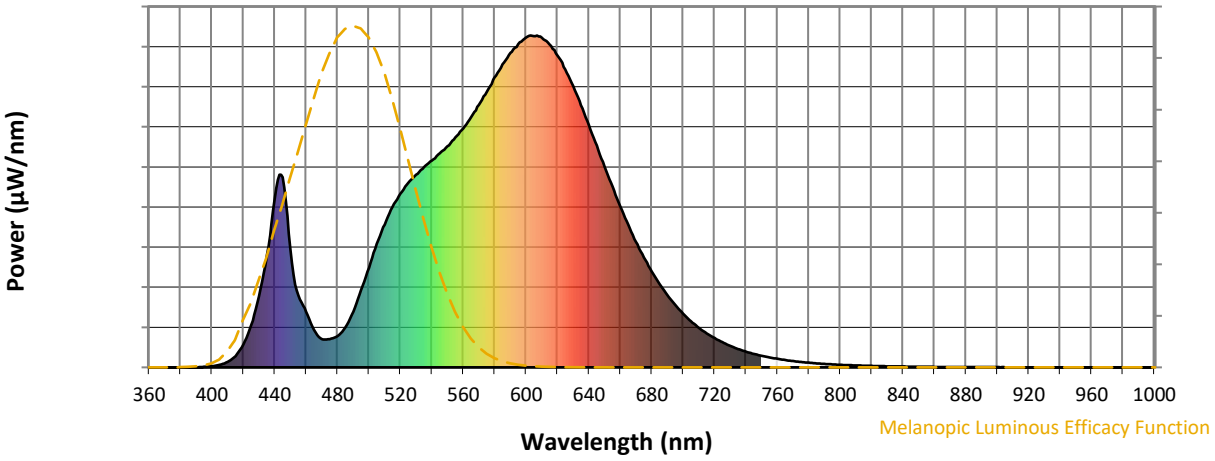


Scotopic Lumens: NR **S/P: 1.27**

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			

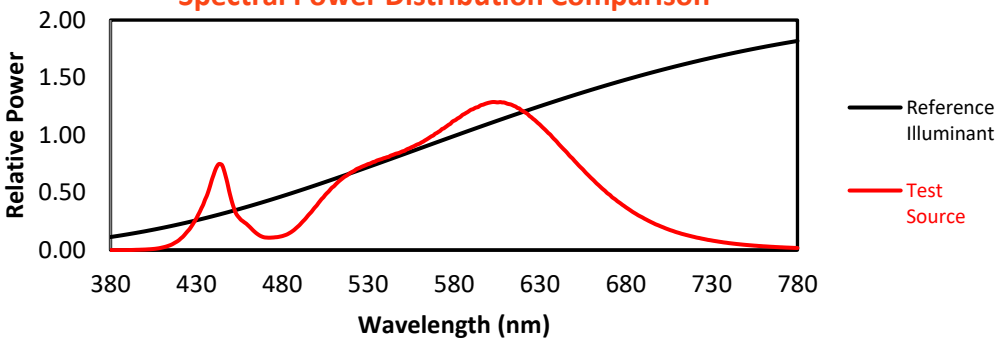
REPORT NUMBER: SP1-2408-195-9

TM-30-18

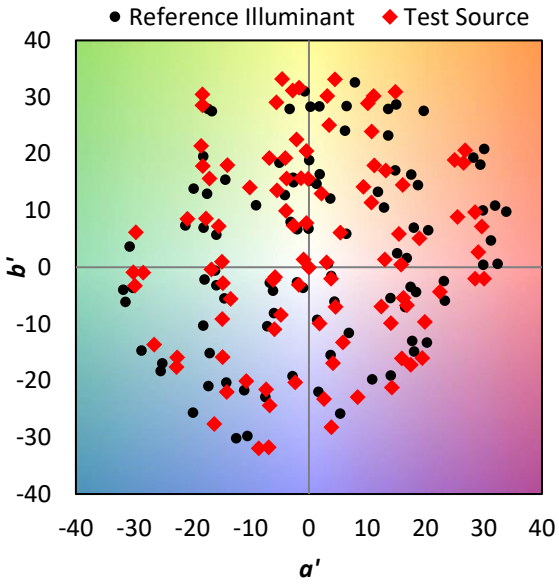
Summary

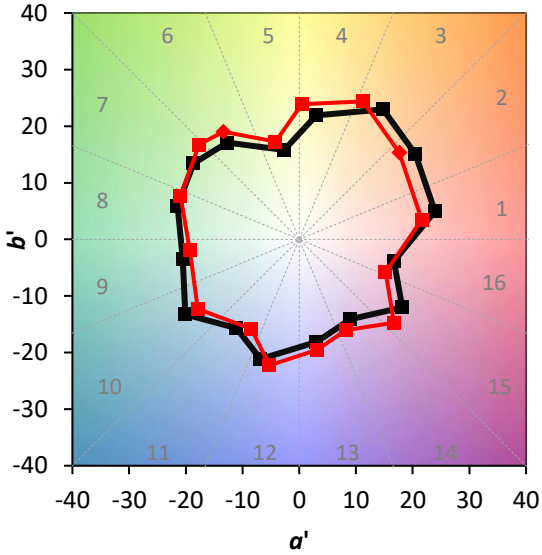
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

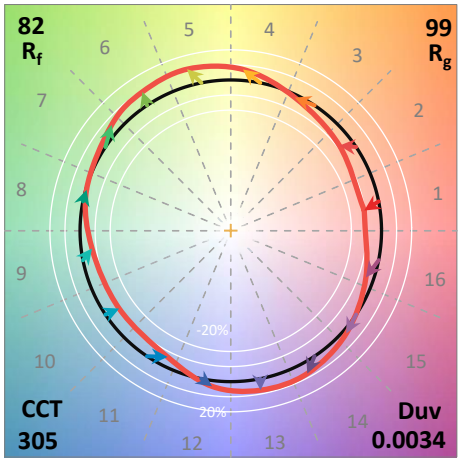
Spectral Power Distribution Comparison

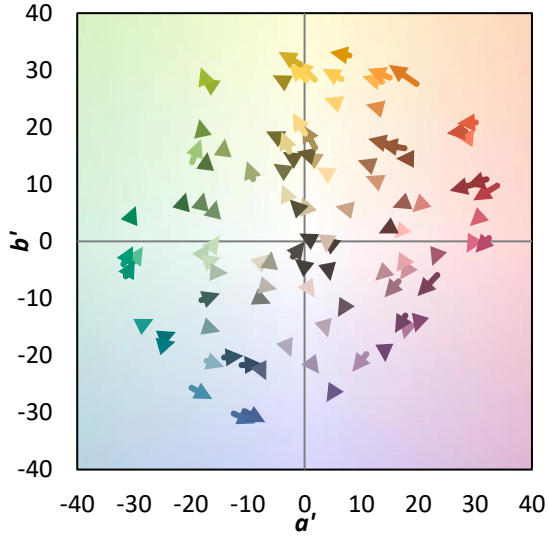


Color Vector Graphics







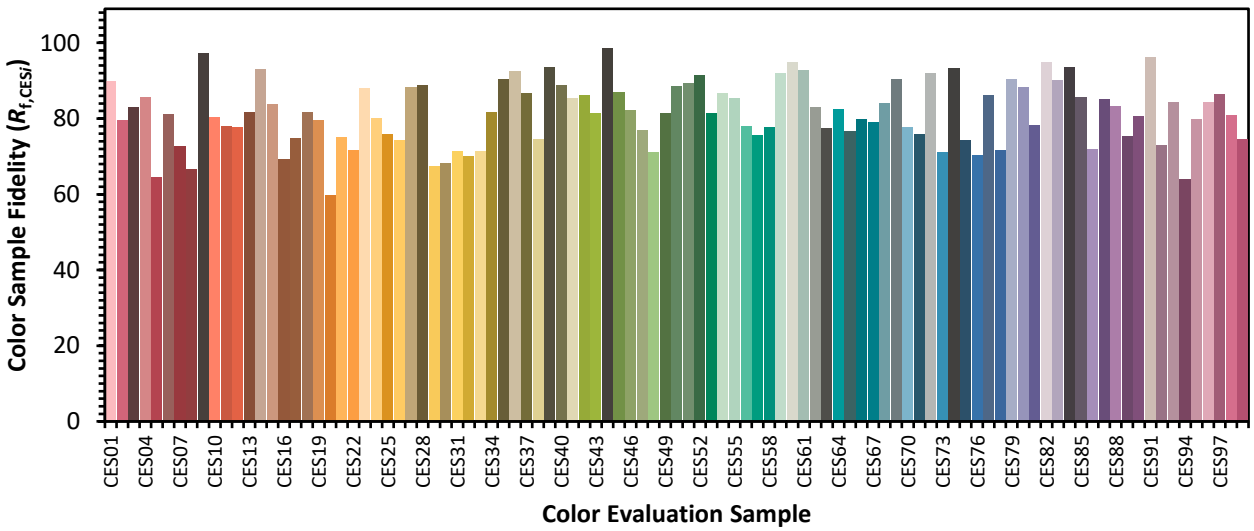


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

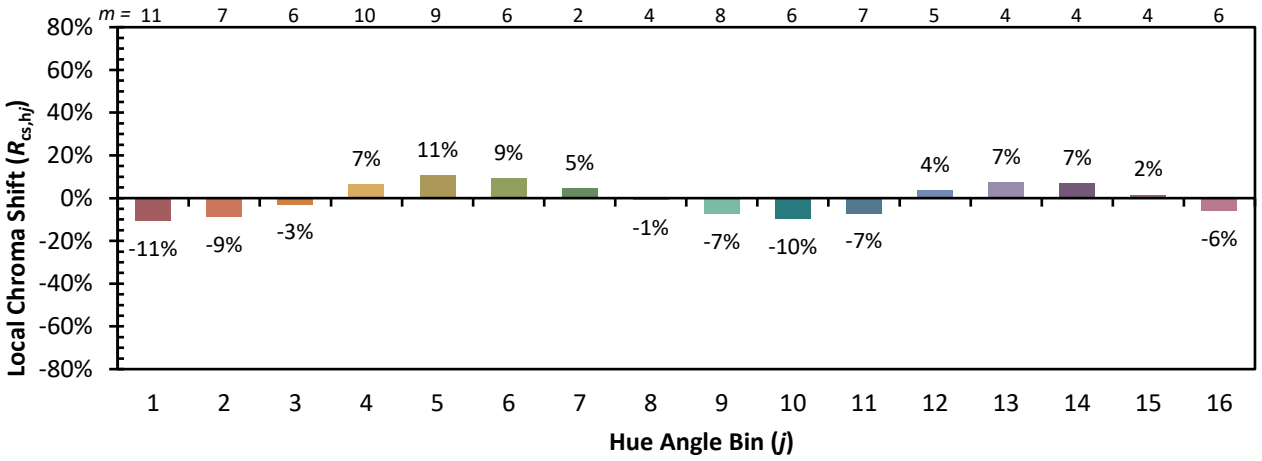
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

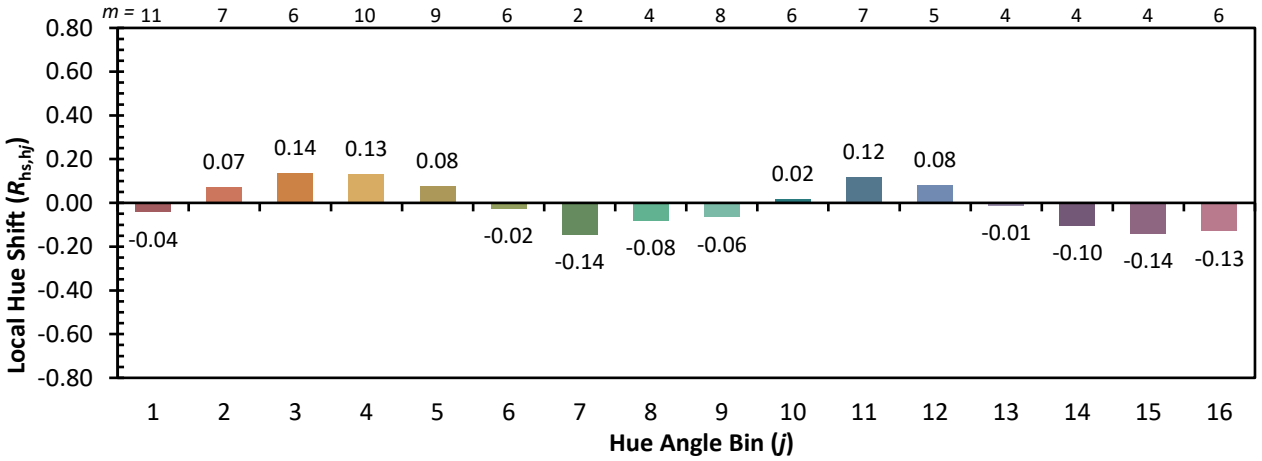


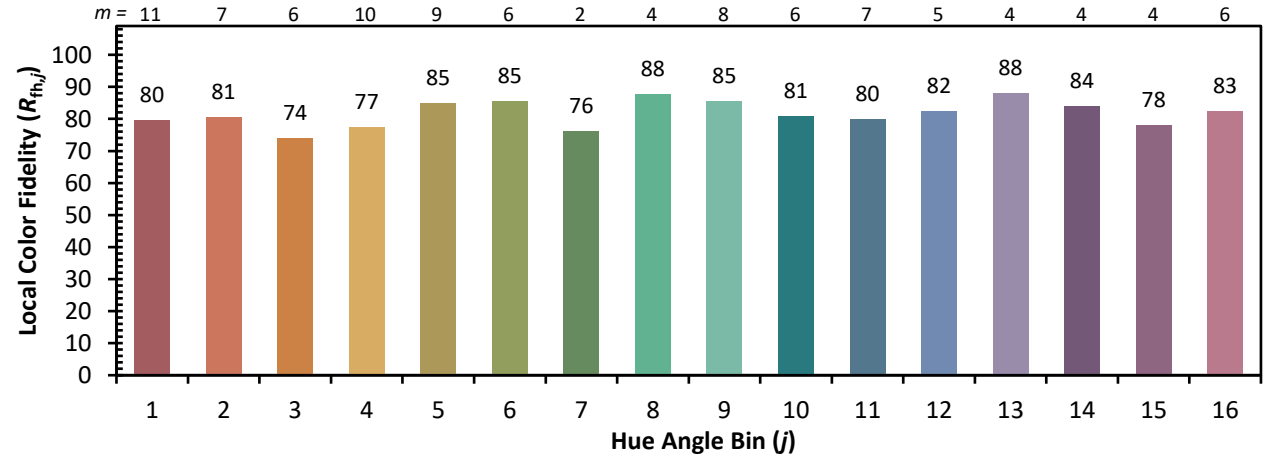
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



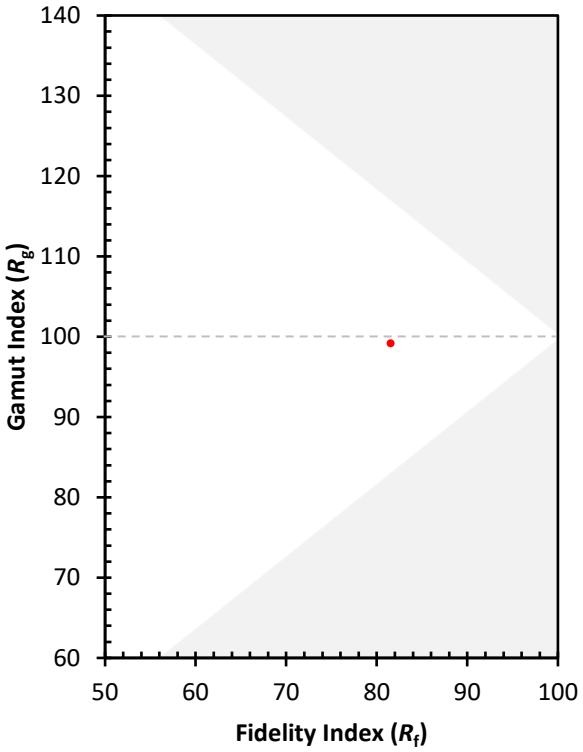


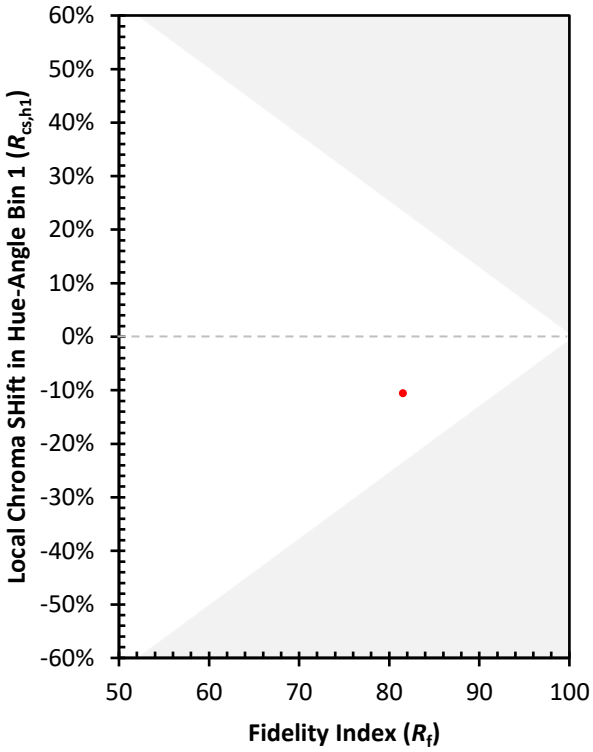


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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