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: P630084

Luminaire Tested: GWS-SA1C-830-U-T3-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:	P630084
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1C-830-U-T3-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3820.9 lumens
Efficiency:	N/A
Efficacy:	112.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	34.1
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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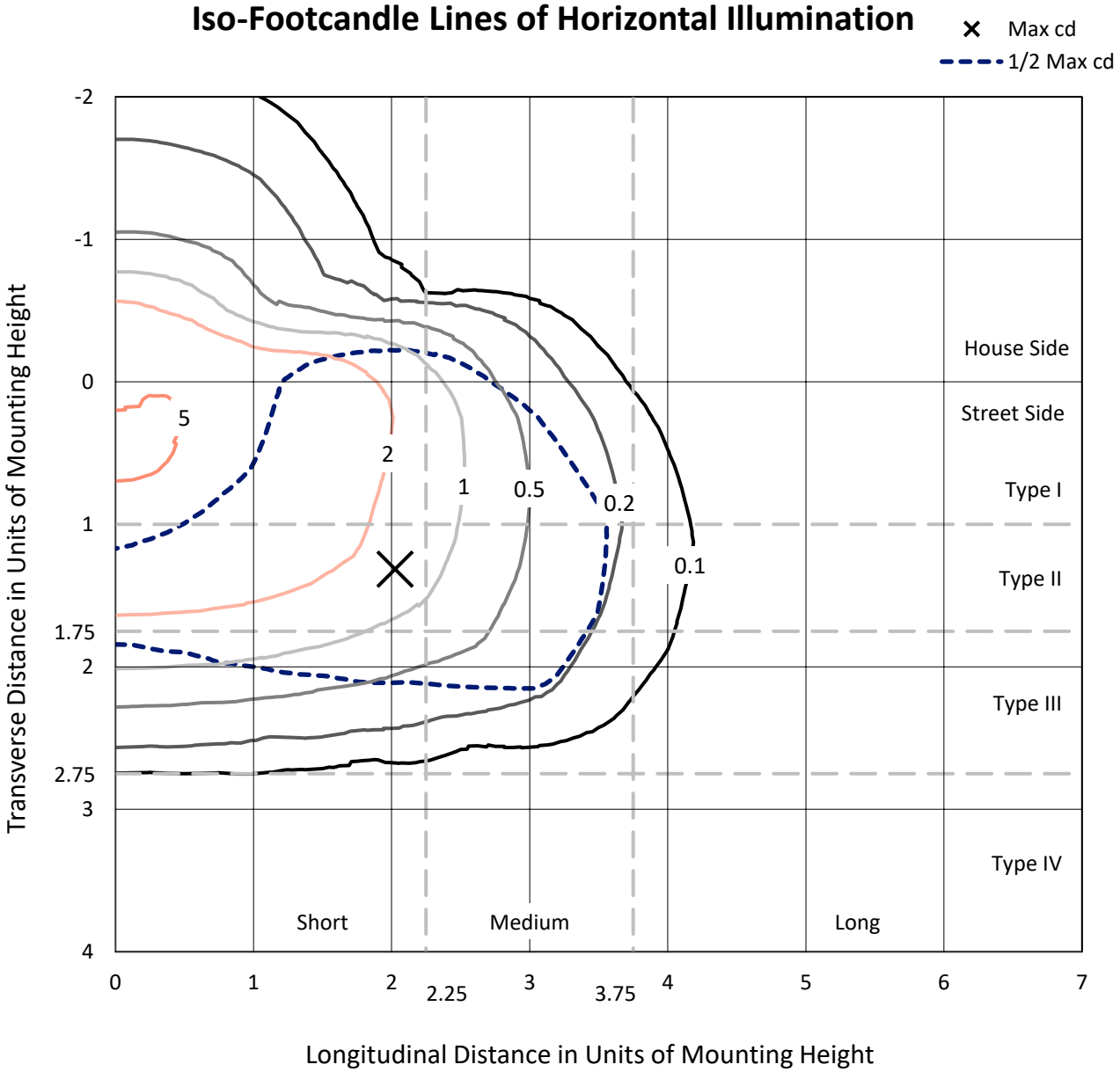
Scaled Data Report

REPORT NUMBER: P630084
CATALOG NUMBER: GWS-SA1C-830-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
Type III - Short - N/A

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REPORT NUMBER: P630084
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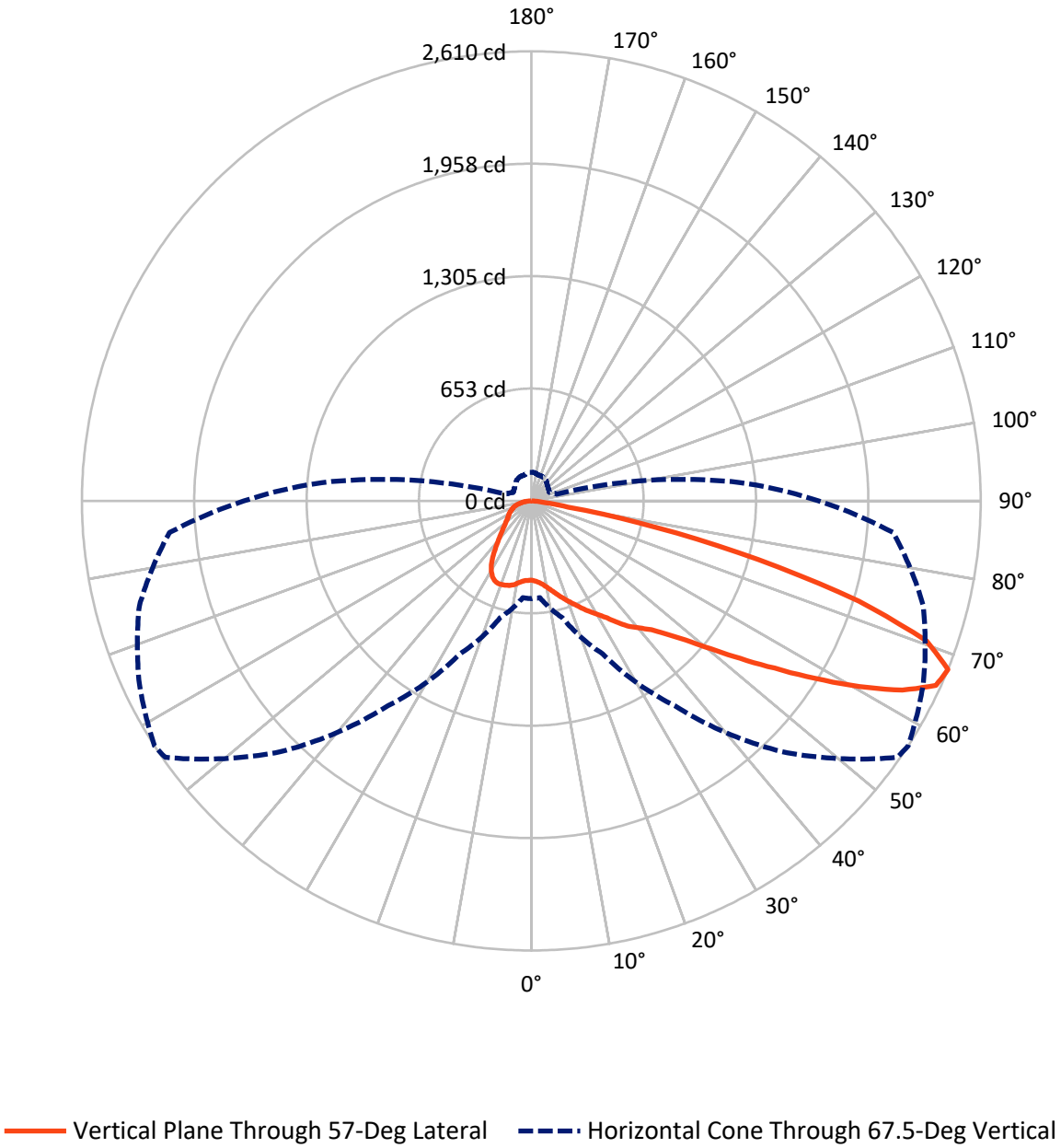
Luminous Intensity Polar Plot



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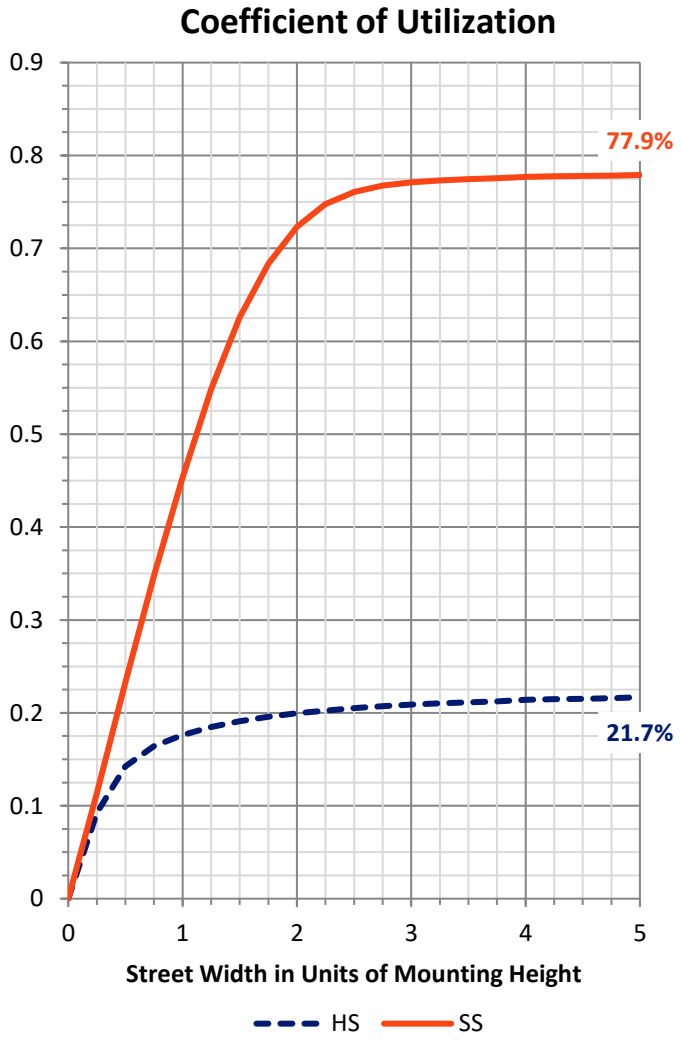
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	840.1	0.0	840.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2980.8	0.0	2980.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	3820.9	0.0	3820.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	1.2
10°-20°	151.2	4.0
20°-30°	269.5	7.1
30°-40°	391.8	10.3
40°-50°	567.1	14.8
50°-60°	887.5	23.2
60°-70°	1035.3	27.1
70°-80°	432.2	11.3
80°-90°	40.8	1.1
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°	3820.9	100.0
0°-180°	3820.9	100.0



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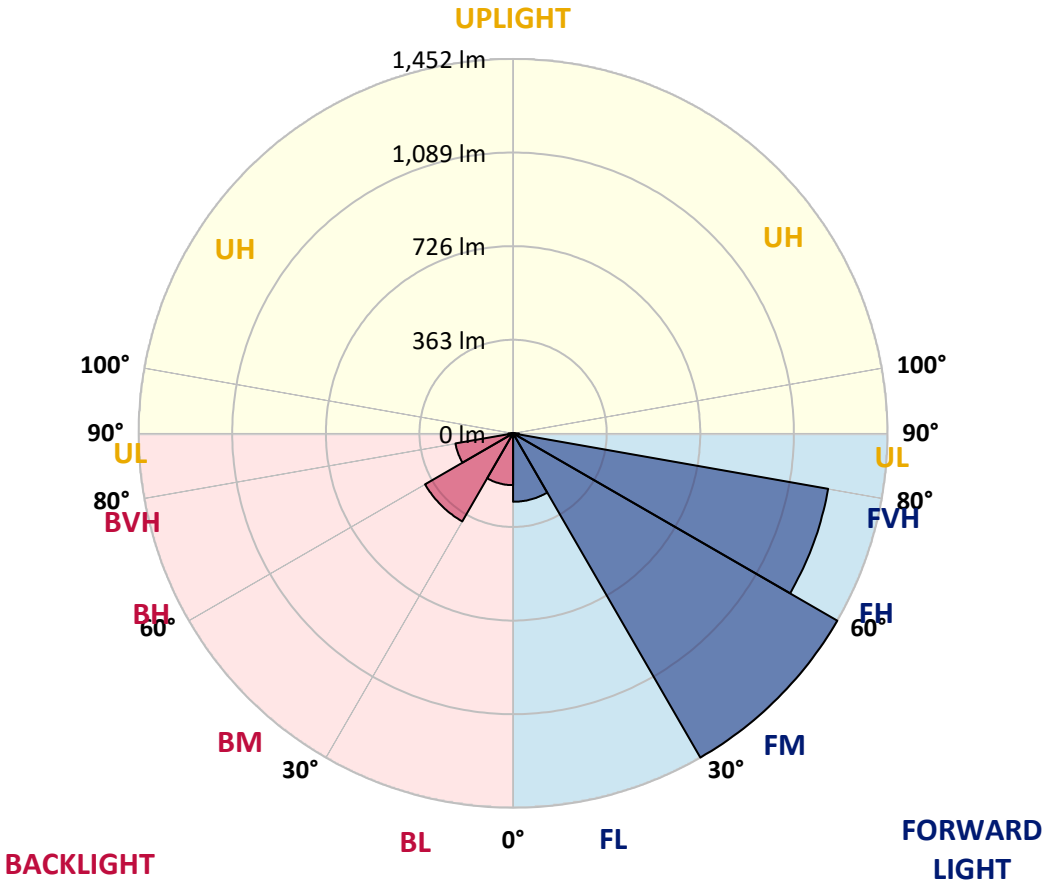
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	265.4	6.9			
FM	(30°-60°)	1452.0	38.0			
FH	(60°-80°)	1240.7	32.5			G1/1800
FVH	(80°-90°)	22.7	0.6			G1/100
BL	(0°-30°)	200.9	5.3	B1/500		
BM	(30°-60°)	394.4	10.3	B1/1000		
BH	(60°-80°)	226.7	5.9	B1/500		G1/500
BVH	(80°-90°)	18.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Short



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Scaled Data Report

REPORT NUMBER: P630084
CATALOG NUMBER: GWS-SA1C-830-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	460.4	460.4	460.4	460.4	460.4	460.4	460.4	*460.4*	460.4	460.4	460.4
2.5°	467.0	466.4	466.1	467.8	467.2	467.0	467.0	*466.7*	466.1	464.0	460.9
5°	479.8	478.7	477.6	479.0	477.9	476.8	476.5	*476.0*	474.1	470.8	466.1
7.5°	493.2	492.1	492.4	493.2	492.4	491.9	491.0	*490.5*	487.5	482.3	476.0
10°	512.1	512.1	512.7	513.5	513.8	512.9	511.3	*510.5*	506.9	500.4	491.6
12.5°	539.5	538.9	538.9	538.4	539.2	538.4	536.8	*535.4*	531.0	522.5	509.9
15°	575.6	573.4	571.5	568.0	566.9	563.9	564.4	*563.6*	559.5	548.0	532.1
17.5°	614.2	613.9	610.9	603.8	596.7	591.8	592.9	*592.6*	590.4	574.8	554.6
20°	648.2	649.5	646.8	641.3	631.7	622.4	621.9	*623.3*	620.5	604.9	576.7
22.5°	686.2	685.1	682.4	675.3	668.1	658.3	655.0	*653.9*	652.8	635.0	599.4
25°	722.3	725.6	722.1	715.5	704.5	693.9	691.1	*692.2*	689.2	665.7	623.8
27.5°	768.1	769.4	767.2	758.2	748.9	733.8	728.6	*728.6*	727.5	694.4	643.0
30°	816.8	820.6	816.8	809.4	799.8	778.2	767.0	*765.9*	762.6	724.0	665.4
32.5°	865.8	868.5	865.8	858.7	847.7	828.8	812.7	*810.2*	805.8	756.3	688.4
35°	909.3	911.8	911.2	912.8	903.8	880.0	870.1	*869.1*	857.6	798.4	719.6
37.5°	956.9	959.9	955.8	959.1	955.5	933.1	930.1	*924.6*	908.2	838.1	752.4
40°	1011.1	1013.8	1007.3	1008.6	1004.5	992.0	976.6	*969.2*	944.9	881.1	804.2
42.5°	1069.1	1075.4	1078.4	1076.0	1066.4	1059.3	1032.5	*1023.2*	1002.9	958.6	889.3
45°	1153.2	1162.5	1166.9	1160.6	1156.5	1146.3	1113.5	*1102.3*	1091.6	1067.8	1008.1
47.5°	1243.8	1252.3	1266.2	1269.0	1272.2	1264.6	1218.3	*1207.4*	1209.3	1206.5	1154.3
50°	1316.0	1323.1	1354.6	1388.3	1416.2	1418.4	1359.3	*1347.5*	1357.9	1366.7	1330.3
52.5°	1368.6	1374.9	1416.5	1486.0	1549.2	1596.0	1532.3	*1518.9*	1527.3	1547.0	1530.4
55°	1411.3	1420.0	1463.6	1570.3	1698.1	1772.0	1731.3	*1714.3*	1710.7	1735.1	1744.7
57.5°	1433.7	1436.5	1497.5	1636.3	1807.4	1944.8	1962.6	*1943.4*	1909.5	1922.9	1972.7
60°	1382.5	1387.2	1470.7	1653.3	1893.6	2116.1	2205.3	*2189.5*	2117.2	2124.6	2179.6
62.5°	1241.0	1247.6	1348.1	1572.5	1900.7	2230.5	2429.5	*2419.4*	2322.5	2282.5	2299.0
65°	995.5	997.7	1101.7	1372.7	1759.2	2244.8	2585.8	*2583.3*	2465.9	2372.3	2302.0
67.5°	*567.7*	*563.9*	*702.9*	*979.1*	*1451.8*	*2059.7*	*2595.9*	*2610.4*	*2512.5*	*2357.5*	*2110.4*
70°	246.1	246.6	310.7	483.1	939.7	1664.7	2411.2	*2436.1*	2377.8	2111.5	1679.0
72.5°	113.9	115.5	143.2	209.1	401.3	1032.7	1966.1	*1988.6*	1938.5	1689.9	1221.6
75°	80.5	81.8	95.5	119.9	184.5	402.4	1315.2	*1362.3*	1386.7	1264.0	805.0
77.5°	61.0	63.0	69.8	83.2	113.9	142.6	629.3	*741.5*	883.3	786.4	414.7
80°	38.9	38.9	46.3	55.6	69.5	74.2	181.7	*215.4*	432.2	324.1	162.9
82.5°	26.3	27.1	31.5	35.3	40.0	42.2	78.0	*83.2*	124.8	110.3	67.1
85°	14.0	14.5	16.4	16.1	19.2	16.7	32.8	*32.6*	45.7	50.1	25.5
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	3.6	*3.8*	9.6	15.3	8.5
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: P630084
CATALOG NUMBER: GWS-SA1C-830-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4
2.5°	462.6	459.3	460.9	460.4	462.0	462.0	459.0	458.2	458.5	455.2	454.1
5°	466.7	462.9	463.7	462.6	464.2	465.6	464.2	464.2	465.9	463.4	462.0
7.5°	476.0	471.6	471.6	470.2	472.2	473.3	472.2	473.8	476.8	474.4	473.0
10°	490.8	485.6	485.8	484.2	485.0	484.5	480.1	478.7	479.6	477.4	476.3
12.5°	509.9	502.8	502.8	499.5	497.6	491.9	482.8	479.6	480.1	478.2	477.4
15°	528.3	521.7	520.3	513.8	505.0	494.3	486.1	483.9	484.5	482.6	481.2
17.5°	549.9	541.4	536.5	524.4	508.3	497.3	489.1	483.9	479.6	475.2	474.1
20°	569.9	559.2	550.2	531.6	511.9	496.8	481.5	468.6	457.9	452.2	450.8
22.5°	590.4	576.7	560.8	536.5	511.6	486.9	458.8	439.3	423.4	415.0	416.6
25°	609.8	592.6	571.0	541.1	502.8	465.0	426.7	397.7	379.6	373.1	371.2
27.5°	626.0	604.6	580.3	538.9	484.8	433.6	382.9	350.6	333.1	325.7	323.8
30°	644.1	620.0	593.7	528.8	456.3	389.5	333.4	307.1	294.5	287.4	287.7
32.5°	664.9	639.7	612.6	509.4	419.9	341.9	292.6	274.5	264.4	257.3	256.2
35°	692.8	667.9	625.2	480.1	373.6	298.1	264.7	249.9	237.3	228.0	226.1
37.5°	727.3	710.3	626.5	441.0	324.1	268.0	244.7	228.8	213.5	201.2	199.8
40°	786.4	767.0	615.3	392.0	281.9	248.5	228.0	209.7	191.9	178.2	176.3
42.5°	870.7	830.7	591.2	336.7	250.2	233.2	212.1	188.9	170.8	161.2	159.9
45°	978.0	901.9	555.1	284.7	226.6	218.2	195.4	171.1	161.5	154.7	153.3
47.5°	1109.4	984.8	513.5	244.2	208.3	204.5	178.5	165.1	156.6	150.8	149.4
50°	1266.5	1090.5	479.3	212.4	191.9	188.6	173.0	161.5	154.7	150.0	148.9
52.5°	1445.8	1207.9	462.6	189.7	177.6	174.4	171.1	160.7	154.9	151.4	150.0
55°	1631.9	1331.6	447.0	172.2	165.6	167.5	171.3	163.4	159.0	154.4	153.0
57.5°	1811.7	1447.7	408.7	158.5	156.8	164.2	172.7	166.1	160.9	156.3	154.7
60°	1935.7	1511.2	343.8	147.5	150.3	160.1	169.2	162.0	155.5	153.6	152.7
62.5°	1969.1	1503.5	266.9	136.3	142.3	151.1	159.9	155.2	148.4	151.4	151.6
65°	1891.1	1421.4	200.4	125.4	131.9	139.3	150.3	148.4	145.9	154.1	154.4
67.5°	*1670.2*	*1219.7*	*152.7*	*115.8*	*121.3*	*130.3*	*147.3*	*155.2*	*155.7*	*166.1*	*165.1*
70°	1263.8	911.2	119.6	106.7	113.0	130.3	156.8	160.4	153.8	163.4	161.2
72.5°	873.7	601.4	101.8	98.8	102.9	124.3	156.6	156.6	149.4	149.4	145.3
75°	542.8	353.6	88.7	88.7	88.7	108.7	152.2	144.2	131.7	125.9	122.6
77.5°	268.0	171.9	74.5	77.2	74.2	90.9	124.3	118.0	110.3	104.3	102.1
80°	114.4	85.9	60.2	63.2	59.7	68.4	98.5	97.2	89.8	81.8	79.4
82.5°	52.6	44.3	48.2	49.5	43.5	51.5	72.0	72.0	67.9	56.9	52.8
85°	22.4	23.5	33.4	33.4	27.4	29.0	38.6	36.7	32.8	26.8	24.6
87.5°	7.7	11.5	17.0	14.8	5.7	2.5	1.4	0.5	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

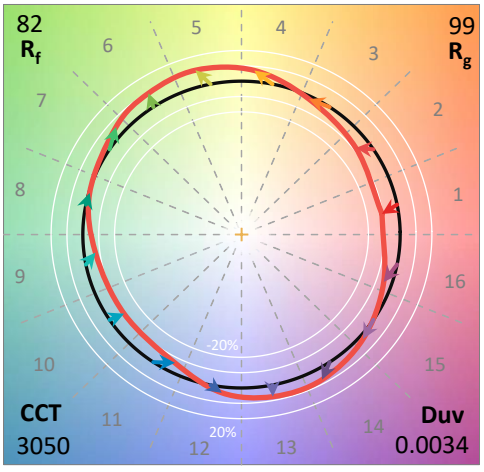
Test Information

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

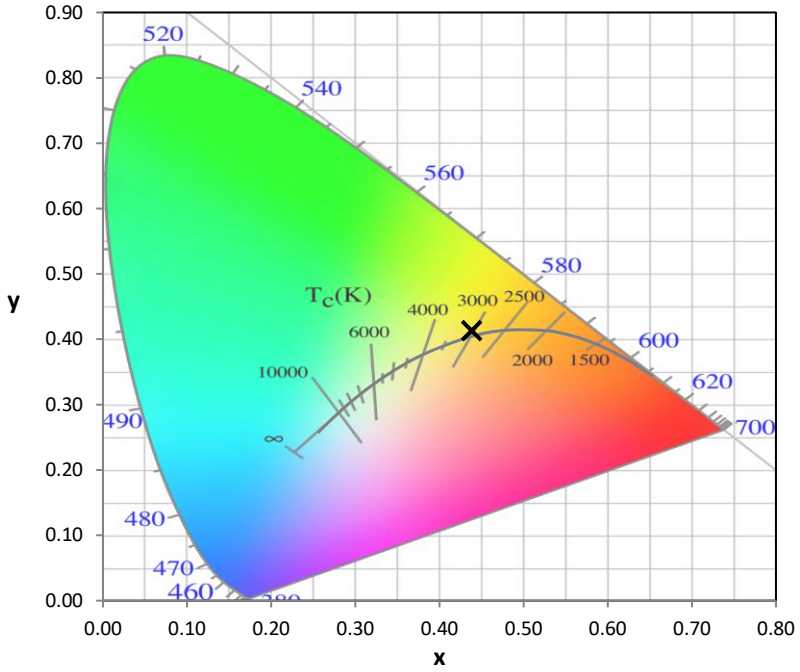
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

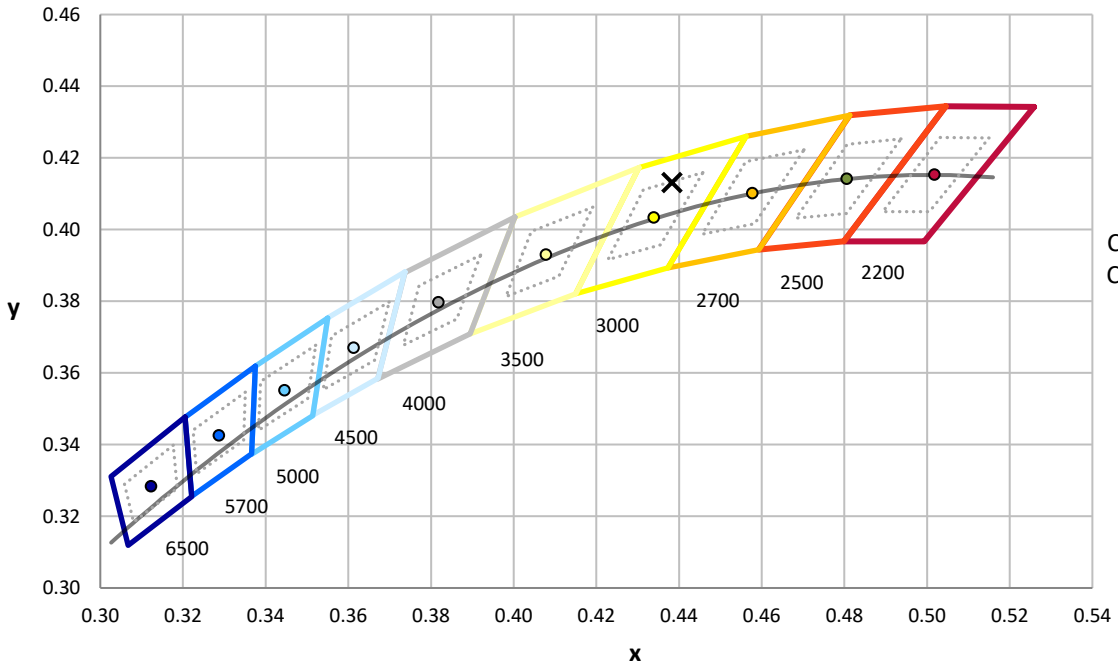
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

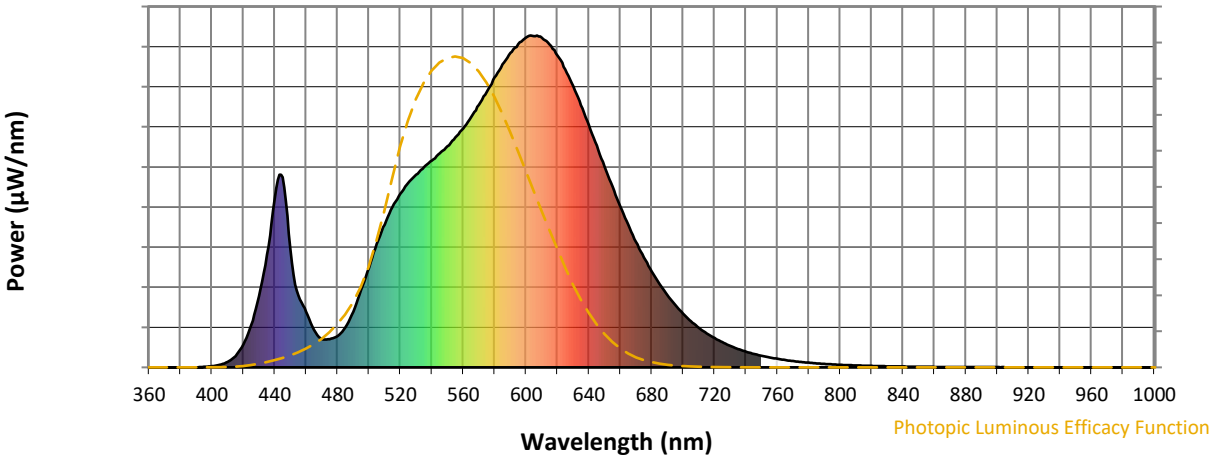


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

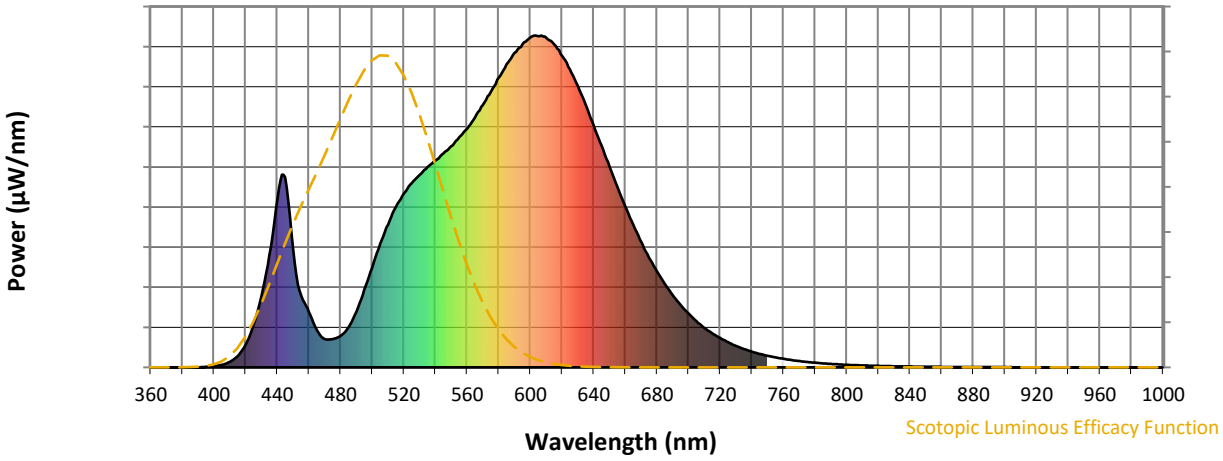


Photopic Lumens: NR

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

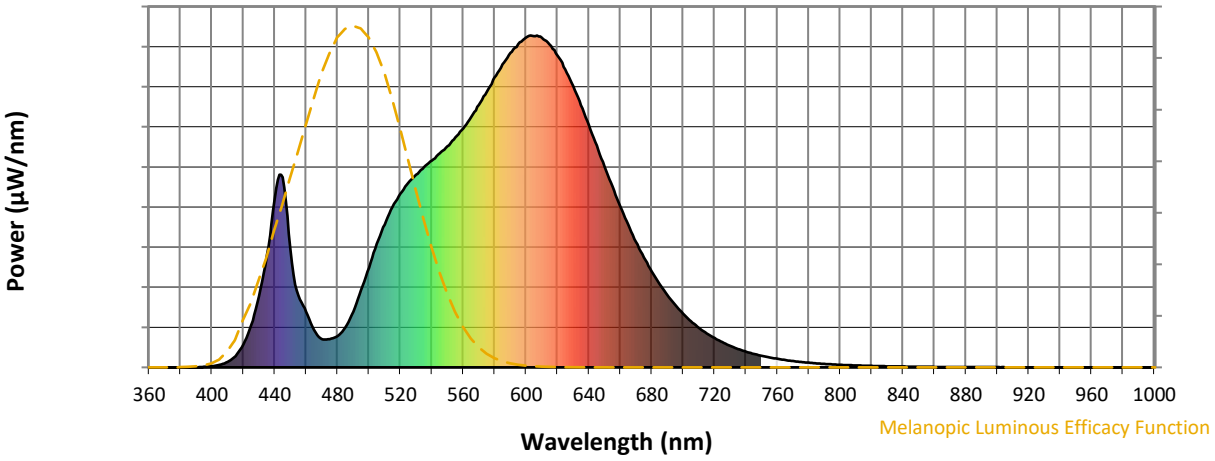


Scotopic Lumens: NR **S/P: 1.27**

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			

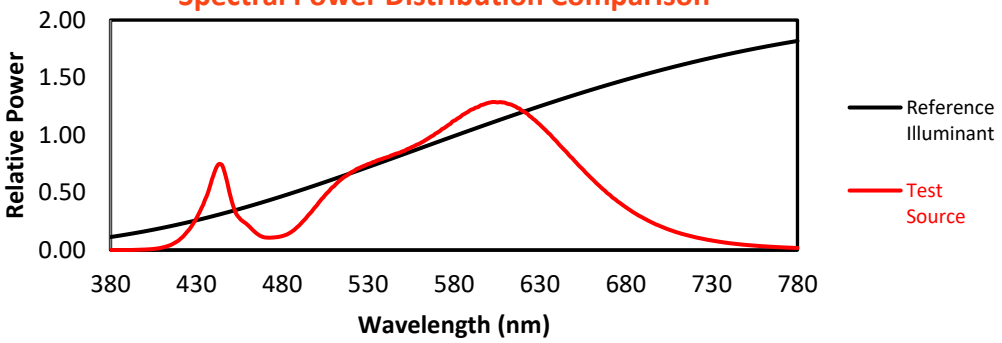
REPORT NUMBER: SP1-2408-195-9

TM-30-18

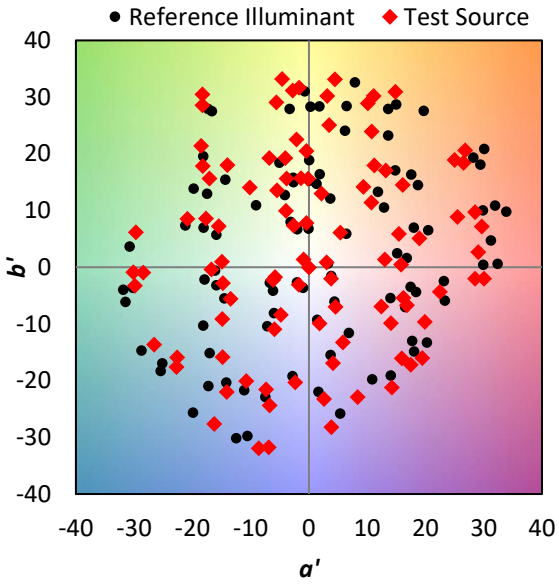
Summary

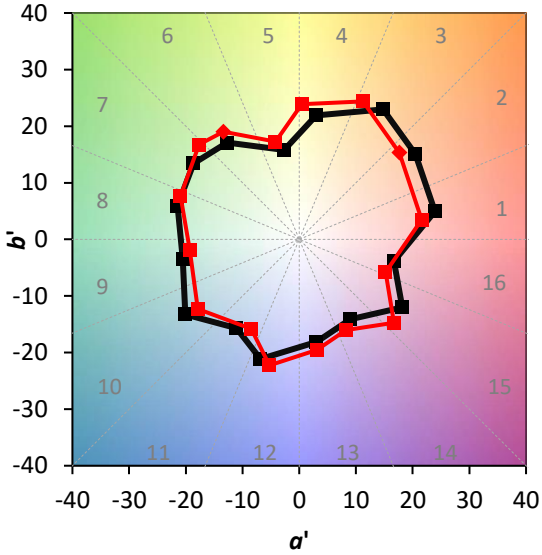
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

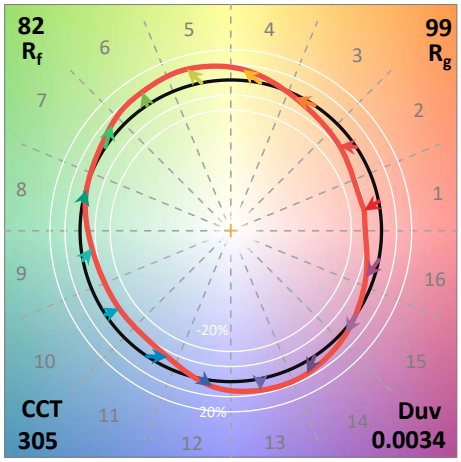
Spectral Power Distribution Comparison

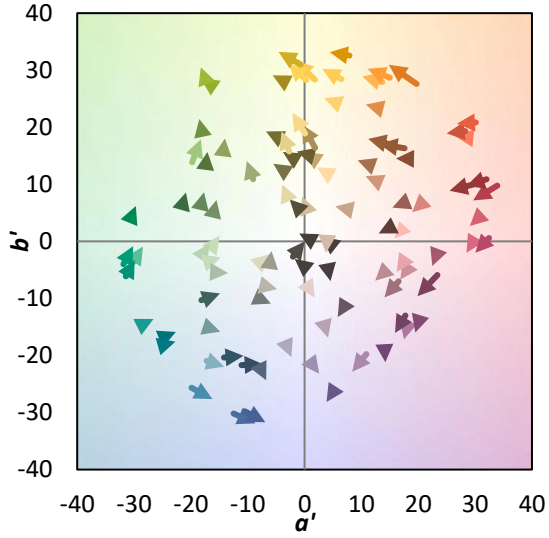


Color Vector Graphics







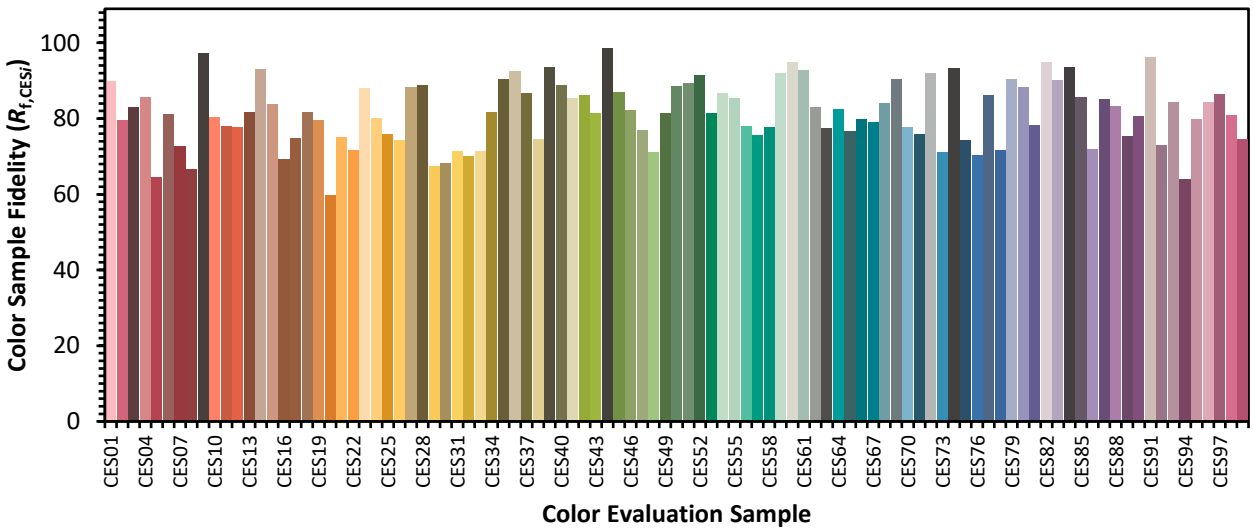


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

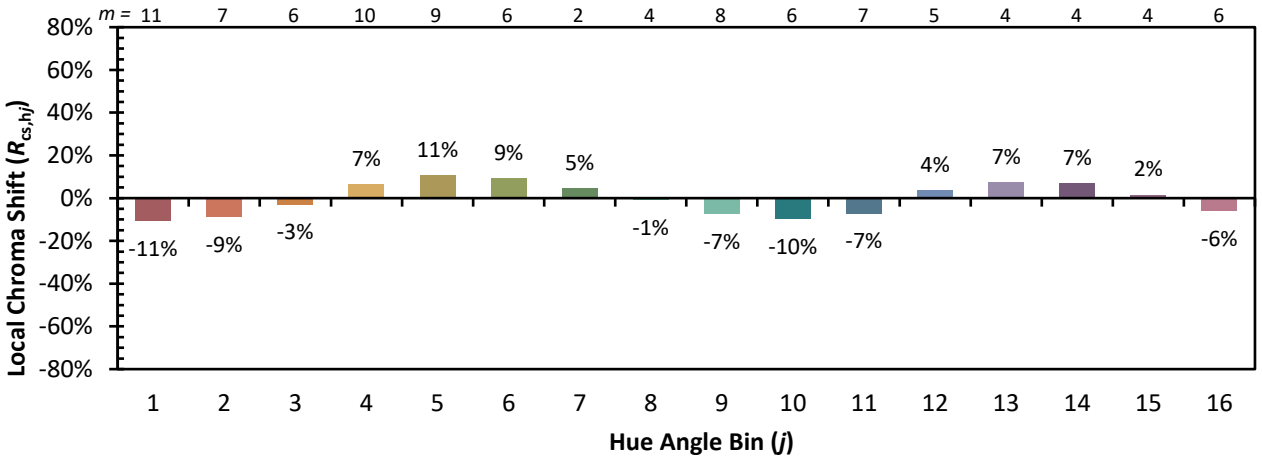
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

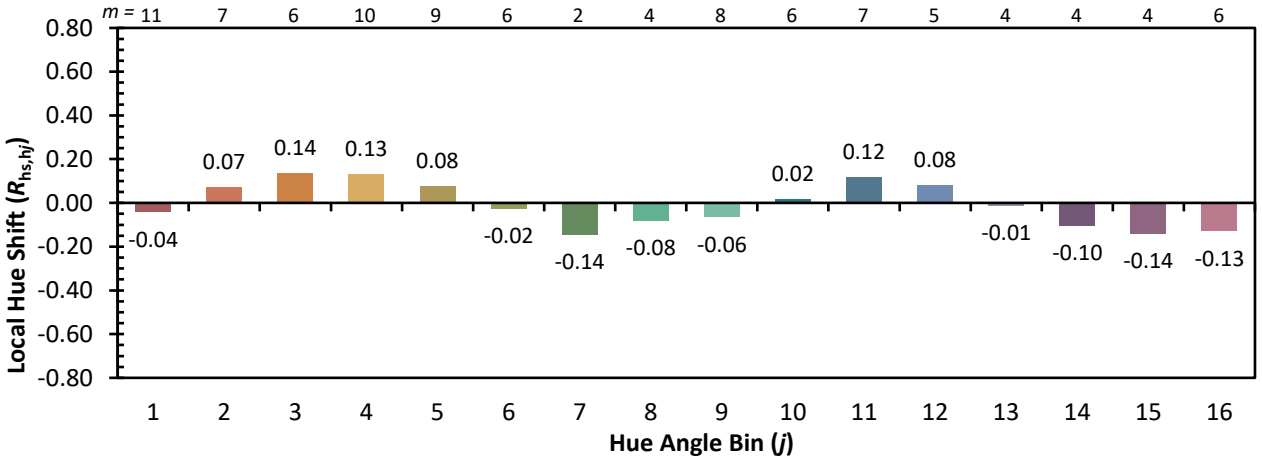


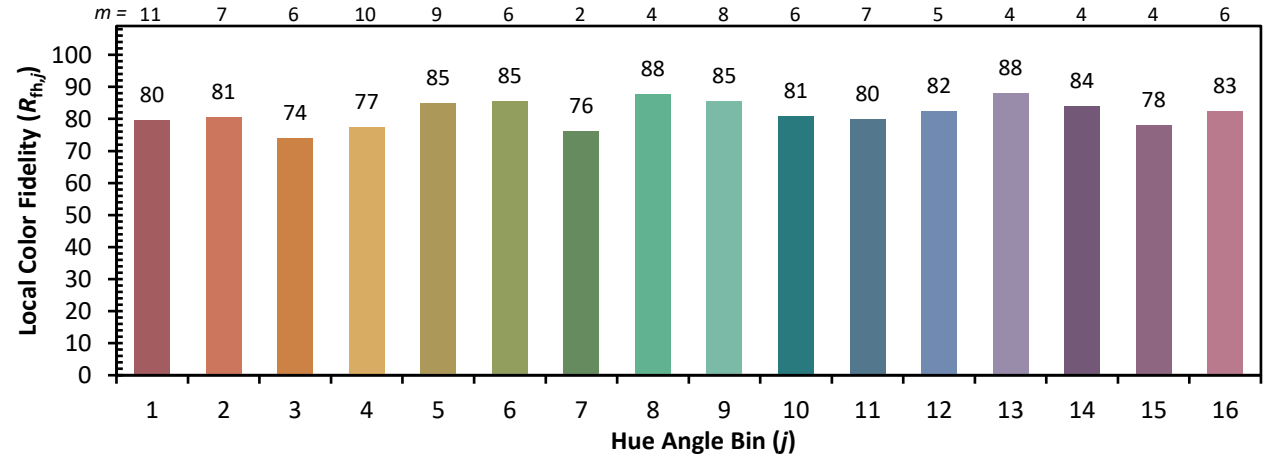
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



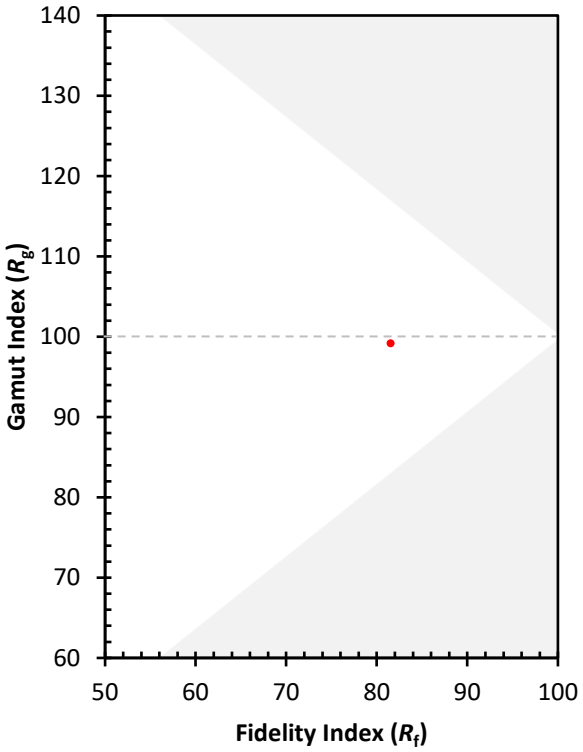


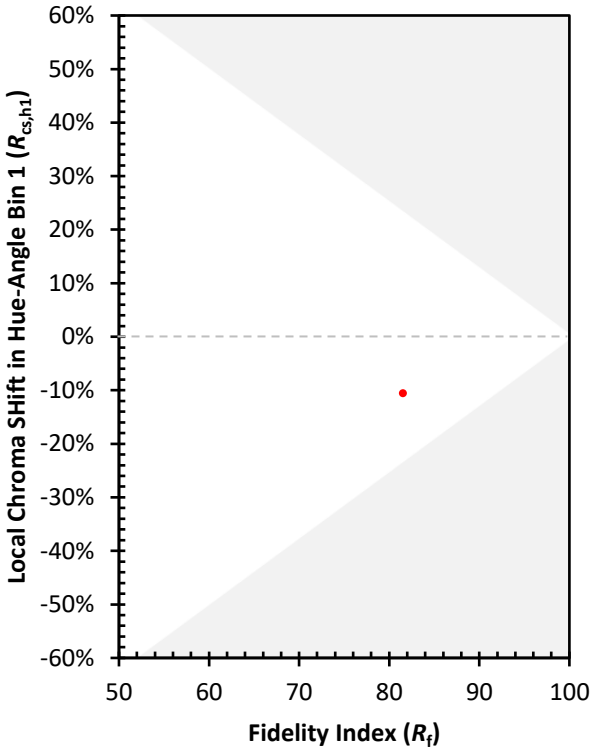


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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