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: P629599

Luminaire Tested: GWS-SA1B-830-U-T4W-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:	P629599
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1B-830-U-T4W-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2822.7 lumens
Efficiency:	N/A
Efficacy:	112.9 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):	25
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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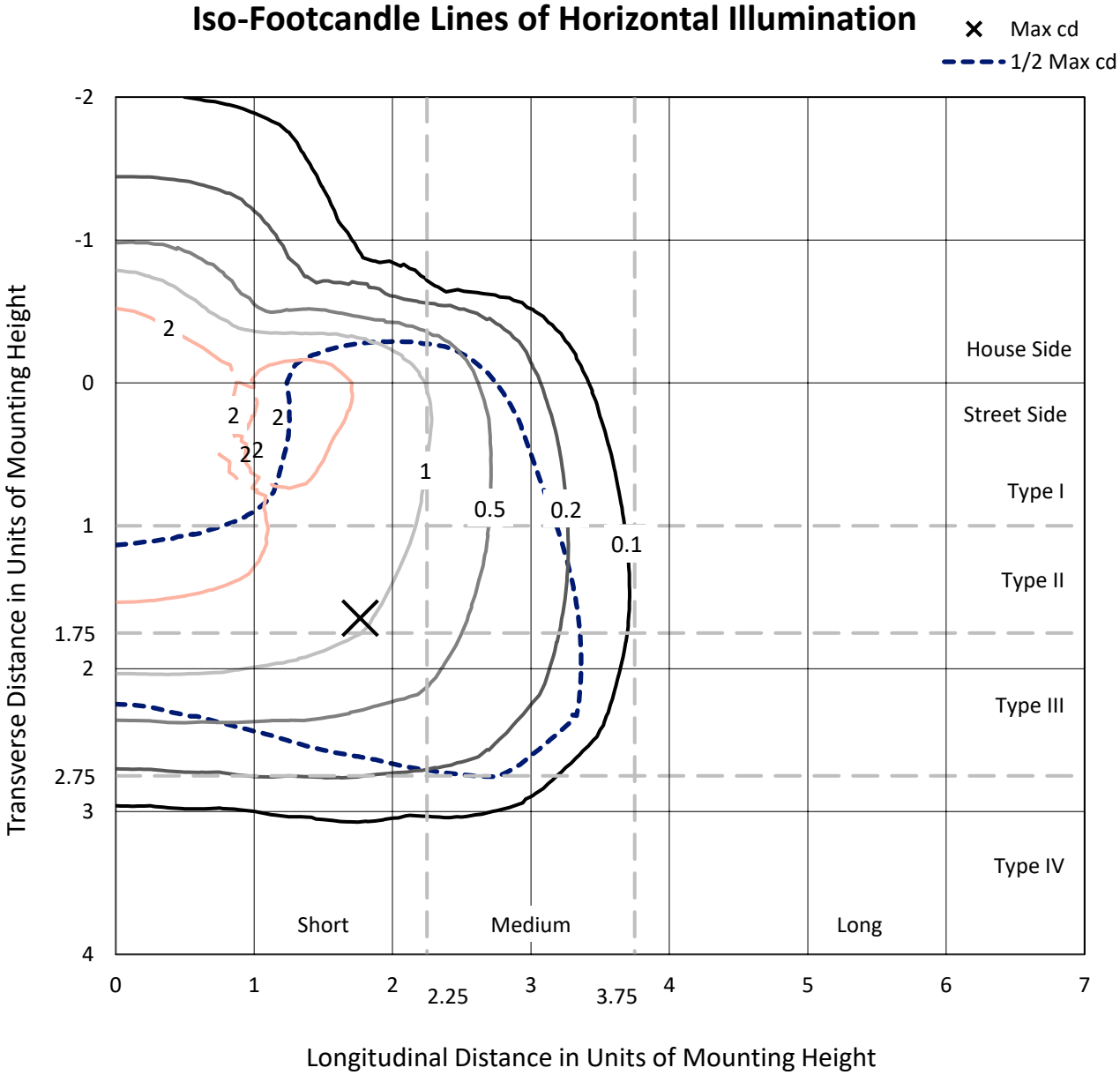
REPORT NUMBER: P629599
CATALOG NUMBER: GWS-SA1B-830-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
Type III - Short - N/A

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REPORT NUMBER: P629599
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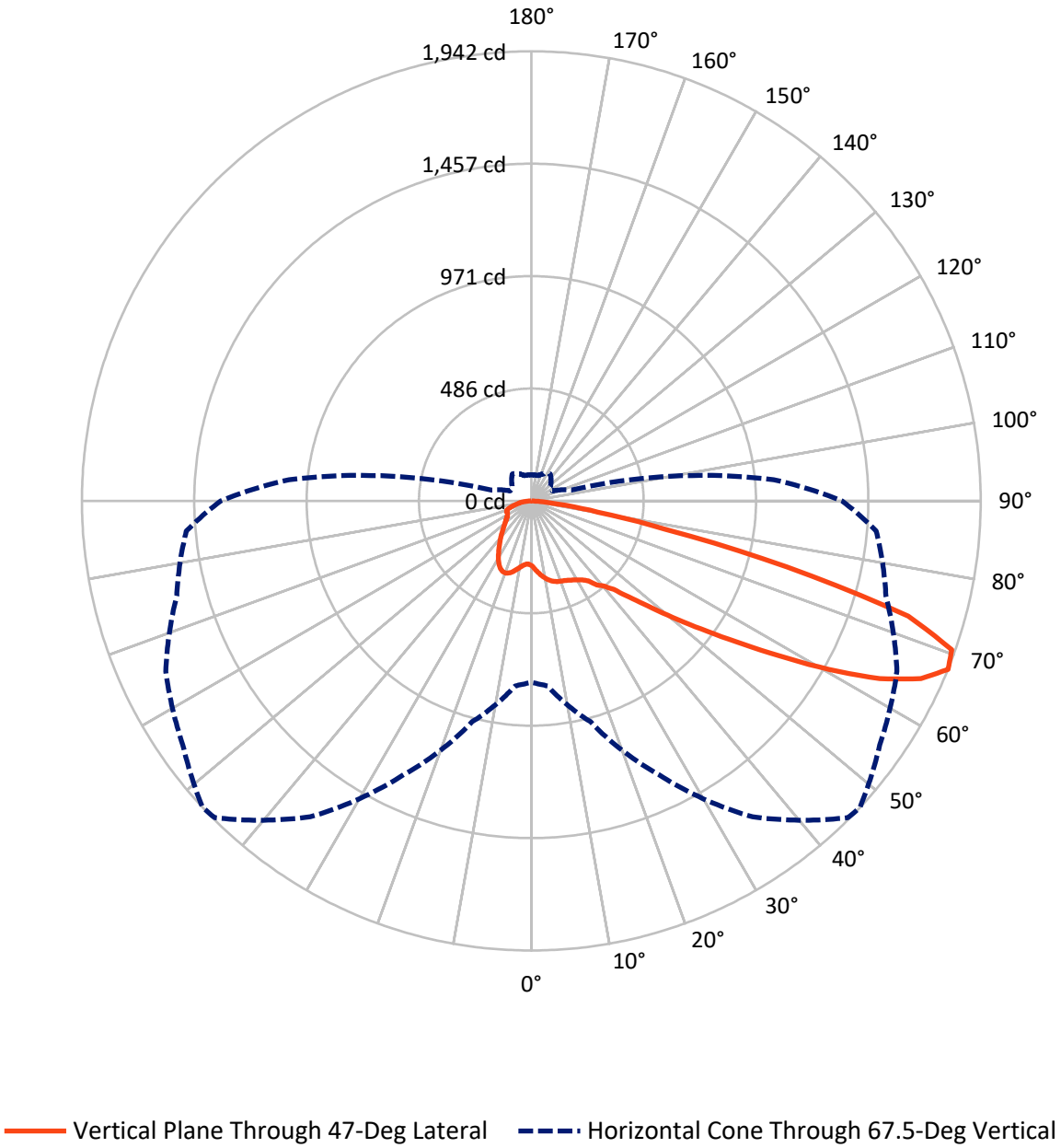
Luminous Intensity Polar Plot



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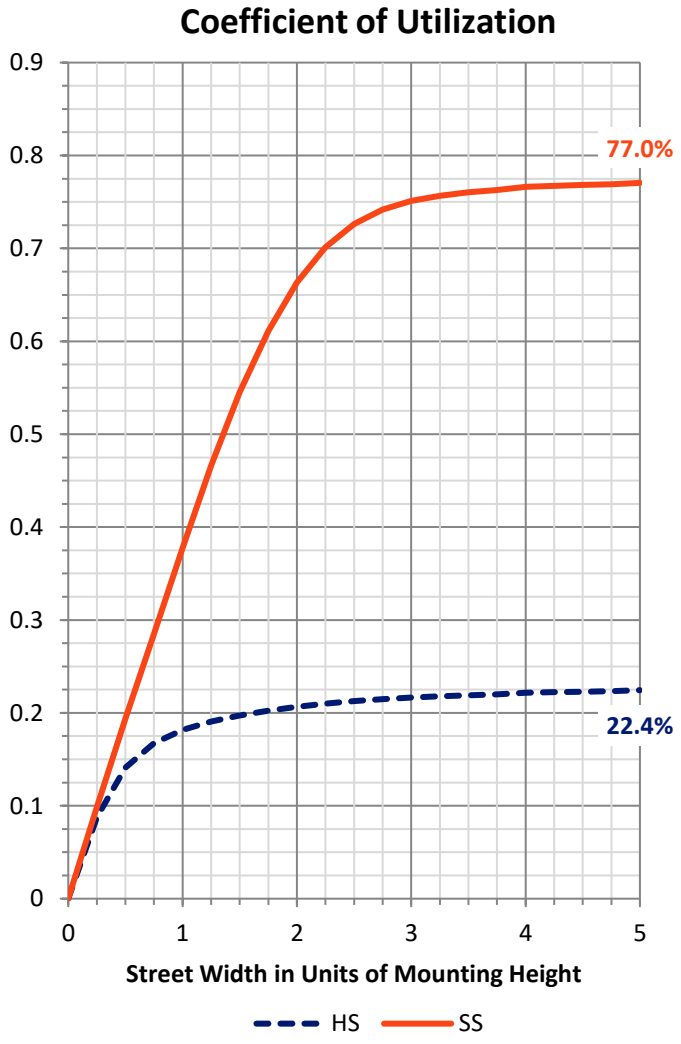
REPORT NUMBER: P629599
CATALOG NUMBER: GWS-SA1B-830-U-T4W-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	643.3	0.0	643.3
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	2179.4	0.0	2179.4
	% Fixture	77.2	0.0	77.2
Total	Lumens	2822.7	0.0	2822.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	1.0
10°-20°	95.3	3.4
20°-30°	161.9	5.7
30°-40°	237.2	8.4
40°-50°	361.5	12.8
50°-60°	646.7	22.9
60°-70°	863.0	30.6
70°-80°	390.3	13.8
80°-90°	38.2	1.4
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°	2822.7	100.0
0°-180°	2822.7	100.0



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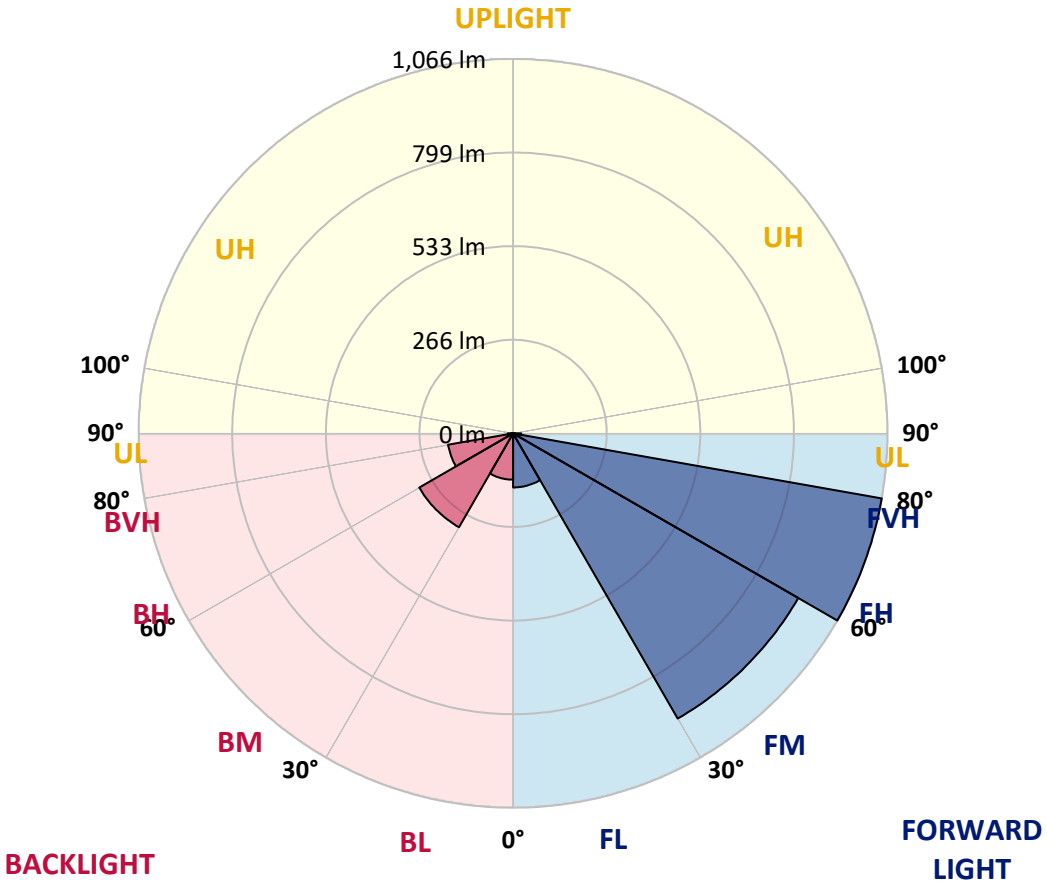
REPORT NUMBER: P629599
CATALOG NUMBER: GWS-SA1B-830-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	153.9	5.5			
FM	(30°-60°)	937.2	33.2			
FH	(60°-80°)	1065.5	37.7			G1/1800
FVH	(80°-90°)	22.7	0.8			G1/100
BL	(0°-30°)	131.9	4.7	B1/500		
BM	(30°-60°)	308.2	10.9	B1/1000		
BH	(60°-80°)	187.7	6.6	B1/500		G1/500
BVH	(80°-90°)	15.5	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: P629599
CATALOG NUMBER: GWS-SA1B-830-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8
2.5°	298.4	299.4	299.2	297.6	296.6	294.7	294.9	292.1	287.8	284.9	281.7
5°	324.7	326.4	324.3	321.7	317.6	311.7	311.0	304.5	296.4	290.6	284.7
7.5°	347.6	348.6	346.2	341.7	335.7	327.8	326.4	318.6	308.4	299.4	290.8
10°	365.3	366.6	363.3	357.4	349.6	341.7	340.6	332.7	321.9	311.3	300.4
12.5°	380.4	380.8	377.4	369.4	361.1	352.9	351.9	344.5	334.5	323.7	311.9
15°	389.2	389.4	385.1	376.4	368.4	361.3	360.6	354.3	345.1	334.9	322.3
17.5°	388.6	389.0	386.0	378.2	371.3	367.0	366.4	362.3	355.1	345.9	333.3
20°	381.1	381.5	379.4	374.3	370.6	369.4	369.6	368.4	364.1	356.6	343.7
22.5°	375.1	375.7	373.9	370.2	369.8	372.7	373.3	373.9	371.9	365.1	352.7
25°	378.0	379.0	376.2	371.1	371.9	378.2	379.4	381.5	379.8	374.1	363.3
27.5°	397.8	398.4	391.1	380.6	378.2	384.9	386.8	390.0	388.8	383.5	375.1
30°	443.7	443.3	427.6	402.1	391.9	394.5	396.0	400.6	401.1	397.6	389.6
32.5°	508.4	506.4	482.1	441.5	411.9	405.3	407.0	413.3	418.0	414.3	403.5
35°	576.8	574.9	548.2	500.7	448.8	426.2	424.3	429.2	436.4	426.2	410.6
37.5°	641.9	639.0	611.7	552.9	494.3	462.7	460.0	455.1	450.9	431.3	419.4
40°	714.1	710.9	687.0	620.5	544.5	490.7	483.9	464.5	460.7	448.2	442.3
42.5°	791.3	791.3	771.5	706.0	605.2	530.7	521.9	492.7	496.8	488.6	481.7
45°	868.4	870.7	855.0	792.1	686.2	606.2	592.1	550.7	560.5	556.8	553.3
47.5°	934.2	938.4	935.4	880.1	785.4	698.0	676.6	633.5	654.5	663.3	673.1
50°	1005.0	1009.7	1006.6	984.8	901.5	809.3	790.1	745.6	781.7	808.0	840.1
52.5°	1110.1	1116.8	1091.3	1082.9	1042.5	935.6	918.4	867.8	933.3	977.0	1048.5
55°	1198.9	1198.7	1189.7	1208.9	1194.0	1090.1	1071.1	1025.2	1108.9	1155.2	1259.7
57.5°	1240.1	1245.0	1275.8	1330.1	1359.9	1278.9	1260.7	1213.8	1297.2	1321.3	1434.2
60°	1261.3	1267.5	1327.0	1434.4	1514.6	1485.0	1477.9	1418.1	1465.0	1462.2	1581.4
62.5°	1231.5	1243.8	1339.5	1482.2	1625.0	1692.2	1689.9	1599.5	1607.7	1579.7	1672.6
65°	1094.8	1108.1	1258.3	1458.3	1688.1	1849.7	1850.4	1763.8	1717.3	1636.9	1657.3
67.5°	782.9	801.9	987.6	1304.8	1665.9	1934.9	1942.0	1838.3	1743.0	1586.3	1496.4
70°	426.8	440.6	586.2	948.4	1465.4	1914.4	1927.7	1802.4	1629.5	1372.2	1151.9
72.5°	193.9	198.4	272.7	520.5	1001.1	1647.9	1703.4	1608.5	1338.3	1013.6	732.5
75°	88.8	90.8	118.8	249.0	523.1	1102.7	1141.7	1198.1	931.3	640.1	381.9
77.5°	55.7	56.3	67.6	113.9	260.8	550.5	591.5	713.3	545.4	316.8	159.6
80°	32.9	33.5	42.0	61.6	122.5	251.9	290.8	282.1	256.3	136.7	72.7
82.5°	16.5	17.1	24.3	35.1	66.7	100.2	118.0	118.6	95.5	74.1	41.0
85°	5.9	6.1	8.0	13.9	28.4	33.1	36.9	45.1	46.7	43.1	19.8
87.5°	0.0	0.0	0.2	0.4	0.8	3.3	3.5	6.5	13.7	15.3	8.0
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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REPORT NUMBER: P629599
CATALOG NUMBER: GWS-SA1B-830-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8
2.5°	280.6	277.6	276.6	275.5	273.9	273.3	272.1	270.8	270.8	269.6	269.0
5°	282.1	278.0	275.3	274.1	273.1	273.7	273.7	274.1	275.5	274.7	275.1
7.5°	287.2	282.5	278.8	277.8	277.8	280.2	281.9	283.9	286.6	287.0	287.0
10°	296.1	290.6	286.8	286.1	287.2	290.6	293.1	295.5	298.8	299.0	299.4
12.5°	305.9	300.4	296.6	297.4	298.4	302.9	305.5	307.6	310.8	310.8	310.6
15°	316.1	310.0	306.8	308.4	311.5	316.6	317.0	317.2	318.8	318.4	318.2
17.5°	326.8	320.2	317.8	320.2	323.5	325.9	323.9	321.0	320.4	319.6	319.2
20°	337.2	330.4	329.4	331.3	332.3	330.2	323.9	318.6	316.1	314.9	314.5
22.5°	346.2	340.4	339.8	339.8	334.7	327.6	318.2	311.0	307.8	306.1	305.7
25°	356.8	351.5	350.4	344.9	331.9	318.8	306.1	299.6	297.0	296.1	296.4
27.5°	369.2	365.5	362.3	346.6	323.7	303.3	289.0	286.1	285.1	286.1	286.8
30°	384.5	380.8	373.5	344.5	310.6	283.1	269.4	269.2	272.3	274.9	275.3
32.5°	397.0	395.3	383.3	338.0	292.3	260.8	249.2	250.0	255.5	259.2	259.8
35°	406.8	409.4	391.5	327.2	270.4	239.8	230.6	231.0	234.1	239.2	239.4
37.5°	420.6	429.6	398.8	310.6	245.3	221.7	213.3	210.2	209.8	211.2	211.7
40°	448.6	462.1	404.1	286.6	221.0	205.3	195.9	190.0	184.9	181.0	179.8
42.5°	490.9	506.4	407.2	257.4	199.4	189.2	178.6	171.0	162.1	153.9	151.0
45°	568.4	573.5	407.2	226.3	180.2	174.1	163.5	154.5	143.1	133.5	131.4
47.5°	692.5	676.2	407.6	196.3	163.3	160.8	151.6	141.4	128.8	120.8	119.6
50°	879.5	822.1	416.0	171.4	149.2	149.6	142.9	131.6	120.2	114.3	113.3
52.5°	1091.3	1001.9	438.4	153.1	137.4	140.4	136.7	125.9	115.7	110.6	109.6
55°	1290.5	1167.2	457.6	140.0	127.4	132.7	132.5	122.5	113.3	108.2	107.6
57.5°	1459.9	1280.5	454.7	129.4	118.8	125.5	128.6	120.2	111.6	107.4	106.7
60°	1565.2	1340.5	414.1	119.6	112.3	120.4	126.3	119.6	112.5	111.4	111.6
62.5°	1610.9	1329.5	336.2	112.3	108.0	118.0	128.8	123.9	120.0	122.5	123.9
65°	1539.9	1234.8	247.4	106.7	103.9	118.6	134.5	130.6	120.0	121.6	122.3
67.5°	*1342.8*	*1051.1*	*178.8*	*101.2*	*98.8*	*120.4*	*142.7*	*129.6*	*113.1*	*113.1*	*111.8*
70°	967.6	756.0	129.8	95.7	93.7	117.8	143.1	122.7	105.1	104.5	101.4
72.5°	582.3	446.0	101.2	89.6	85.9	104.5	134.1	114.5	97.4	92.3	88.6
75°	302.5	223.5	84.9	82.9	73.7	88.6	122.7	101.8	83.3	78.8	76.7
77.5°	129.6	104.5	72.9	73.9	61.2	74.5	99.0	88.2	73.9	68.2	66.3
80°	63.9	59.4	57.6	59.2	49.0	57.6	85.3	77.1	62.7	56.1	53.5
82.5°	36.5	34.7	41.4	42.0	34.9	48.2	72.0	65.3	51.8	44.7	40.4
85°	16.9	18.2	25.1	25.3	21.6	33.1	47.1	36.7	27.6	22.9	21.8
87.5°	6.7	8.0	11.0	10.8	6.3	6.1	4.1	2.2	1.8	1.6	1.4
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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Peachtree City, GA 30269

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

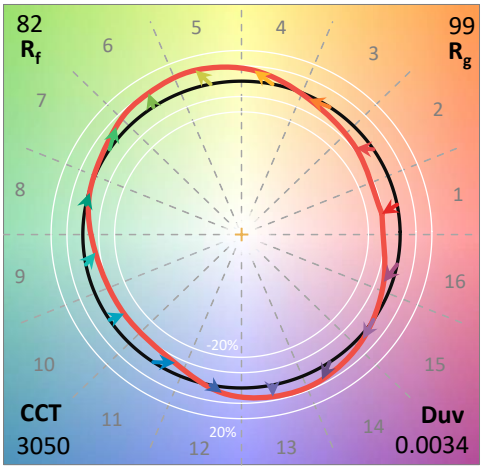
Test Information

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

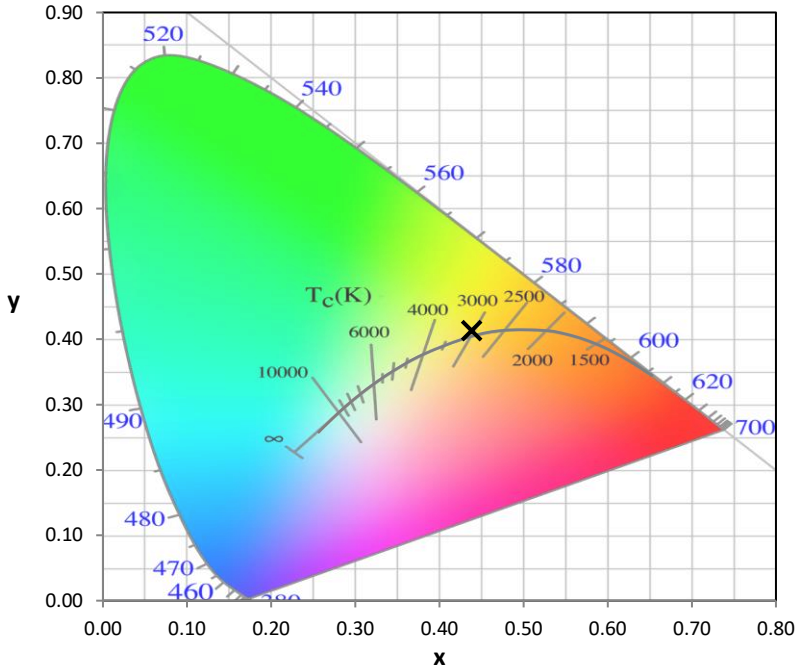
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

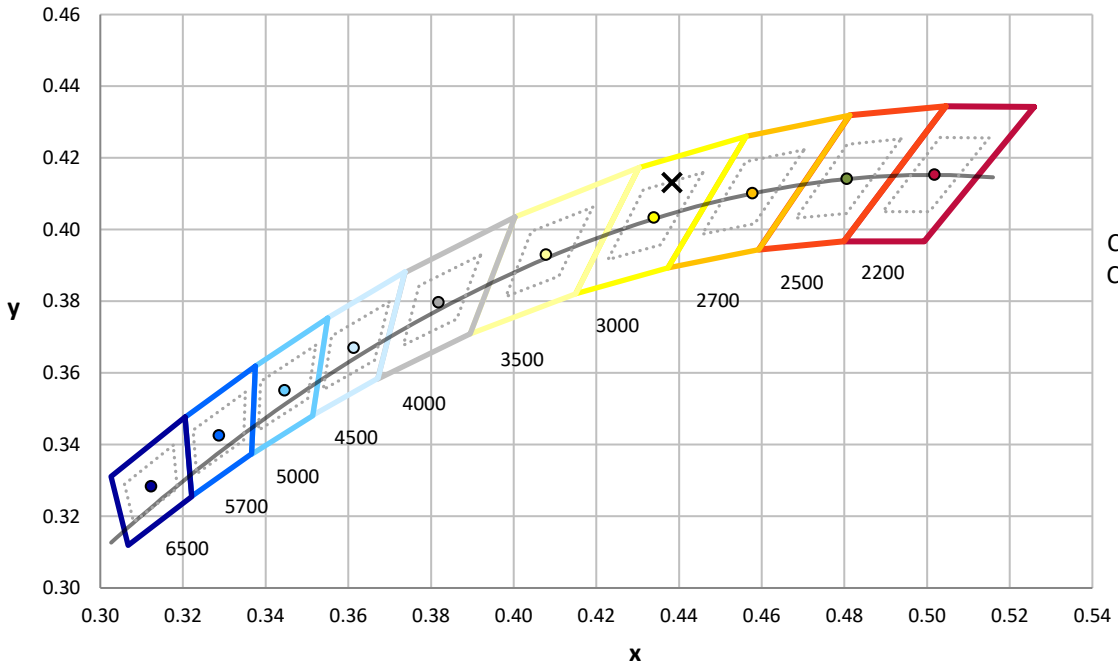
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

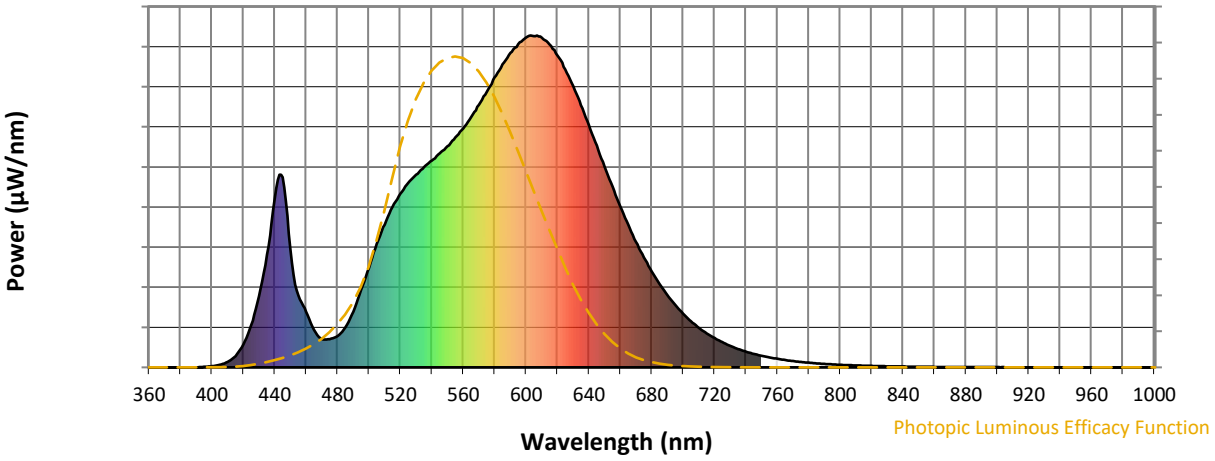


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

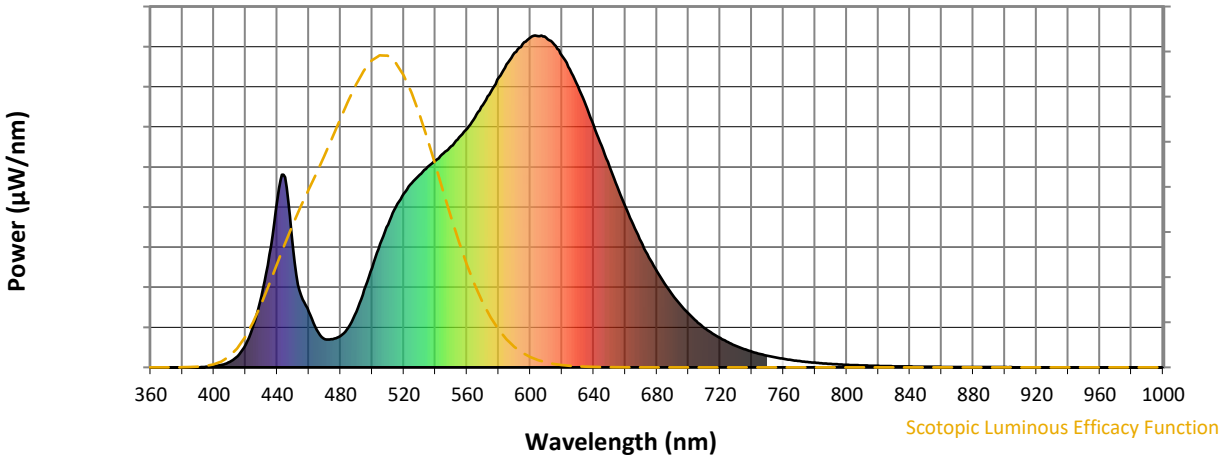


Photopic Lumens: NR

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

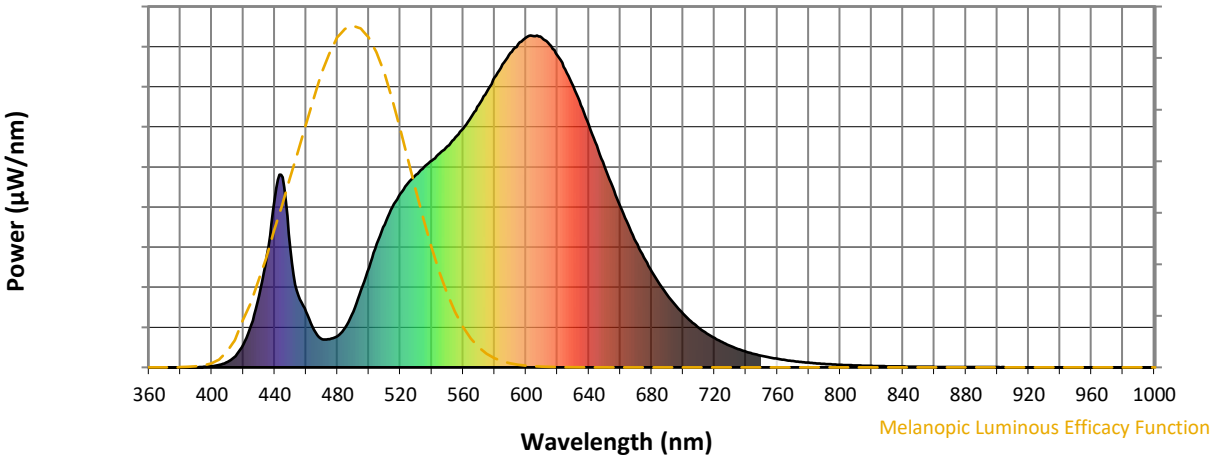


Scotopic Lumens: NR **S/P: 1.27**

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			

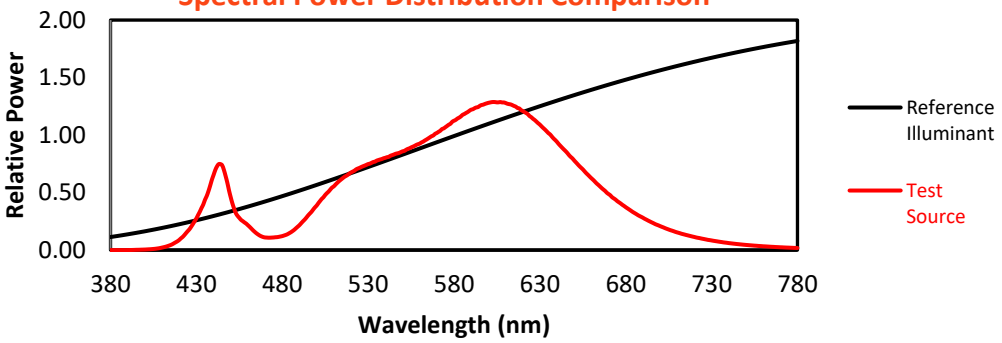
REPORT NUMBER: SP1-2408-195-9

TM-30-18

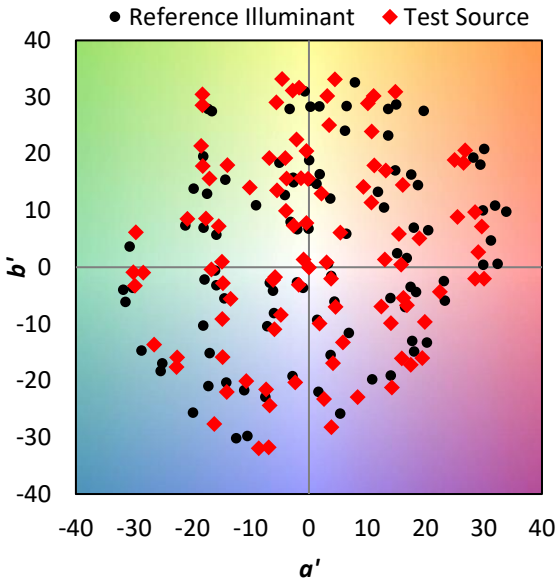
Summary

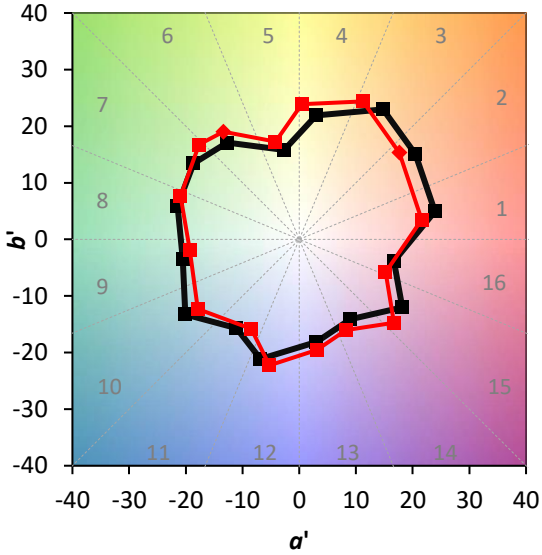
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

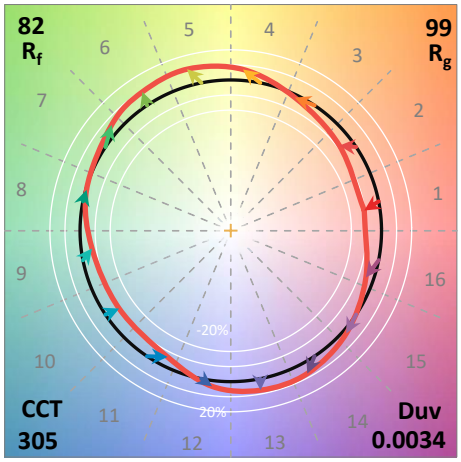
Spectral Power Distribution Comparison

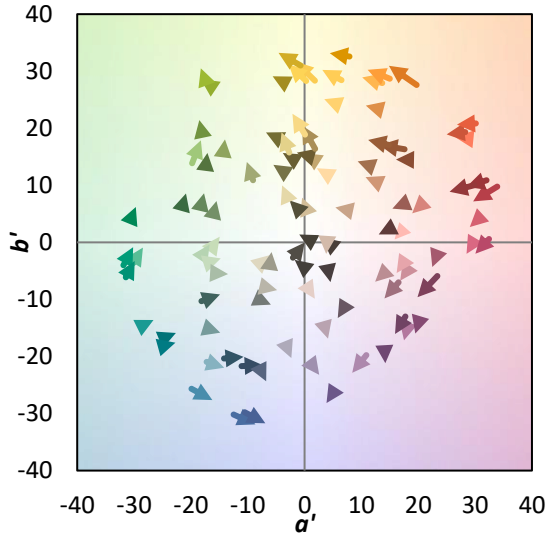


Color Vector Graphics







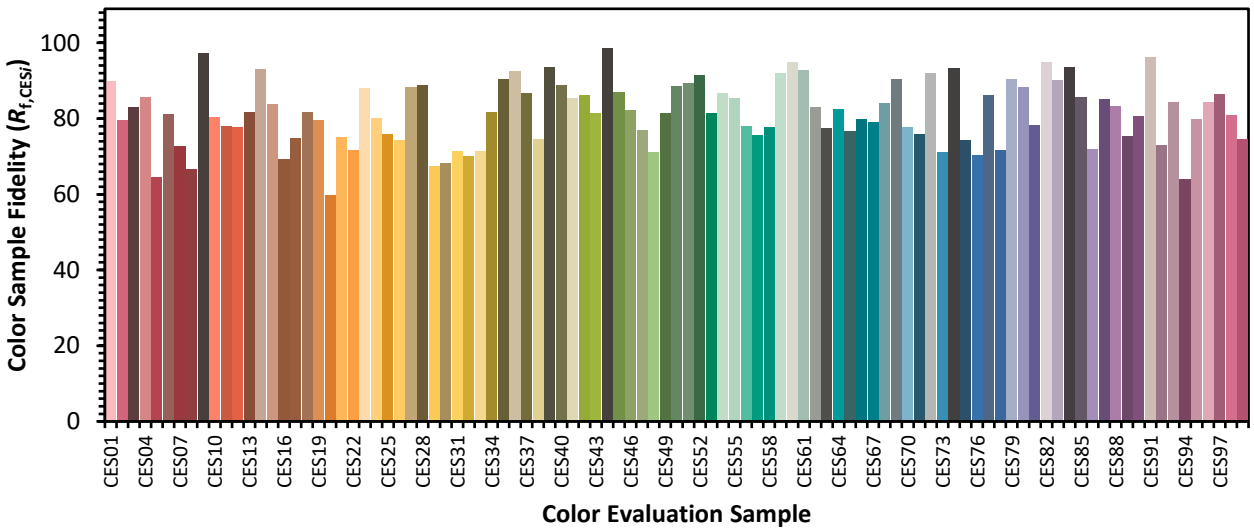


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

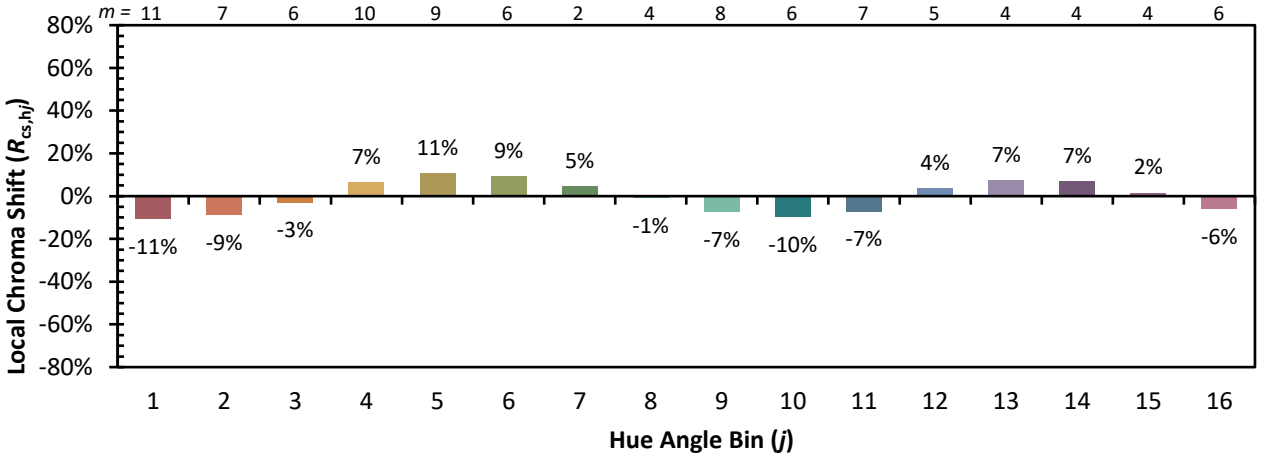
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

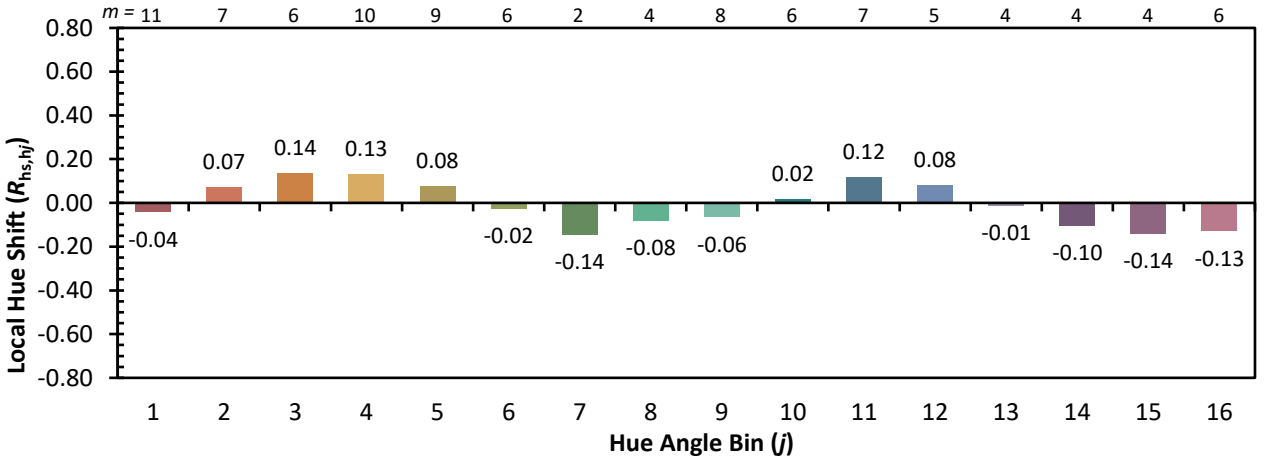


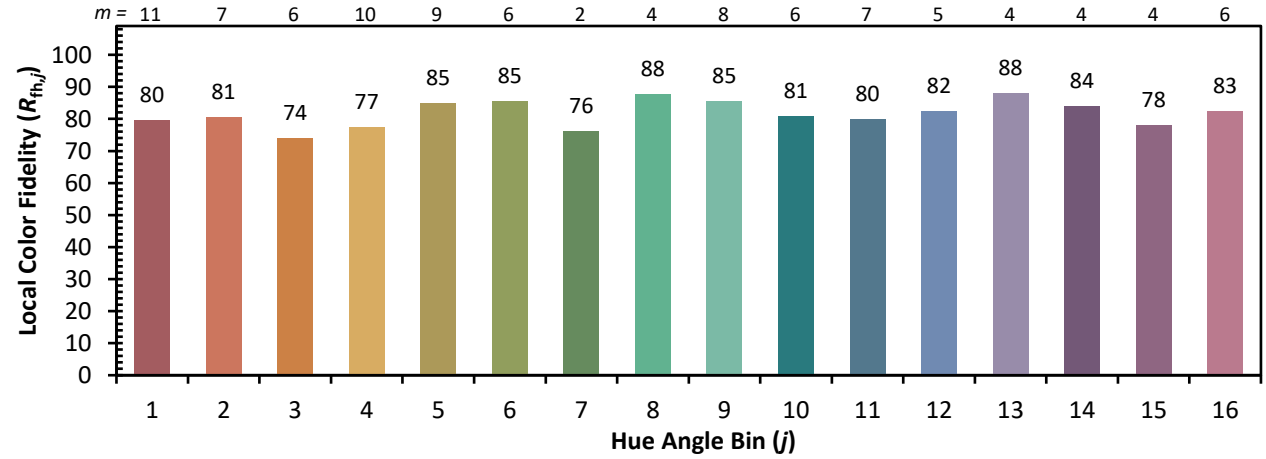
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



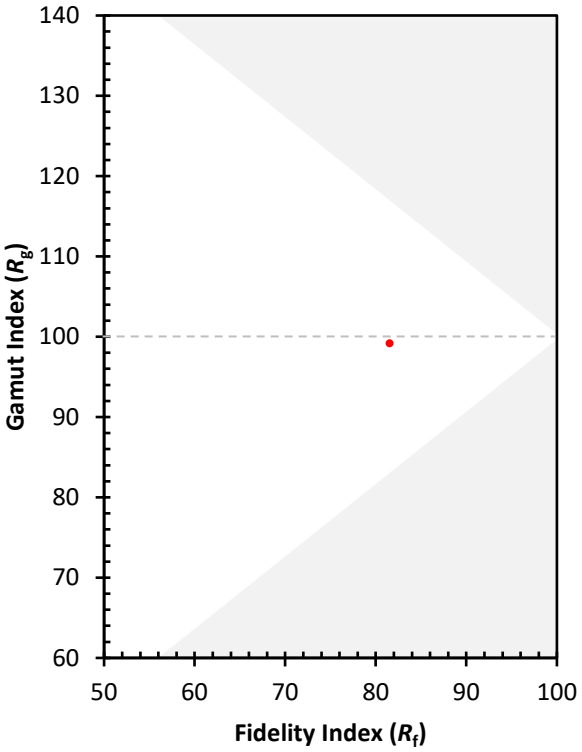


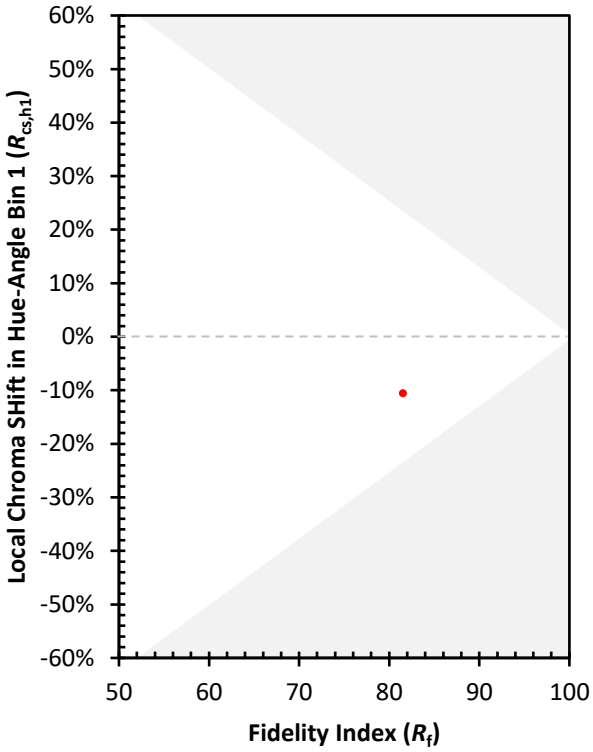


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)