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: P632554

Luminaire Tested: GWS-SA2C-830-U-T2R-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:	P632554
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA2C-830-U-T2R-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(32) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5929.5 lumens
Efficiency:	N/A
Efficacy:	93.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B0 - U0 - G1

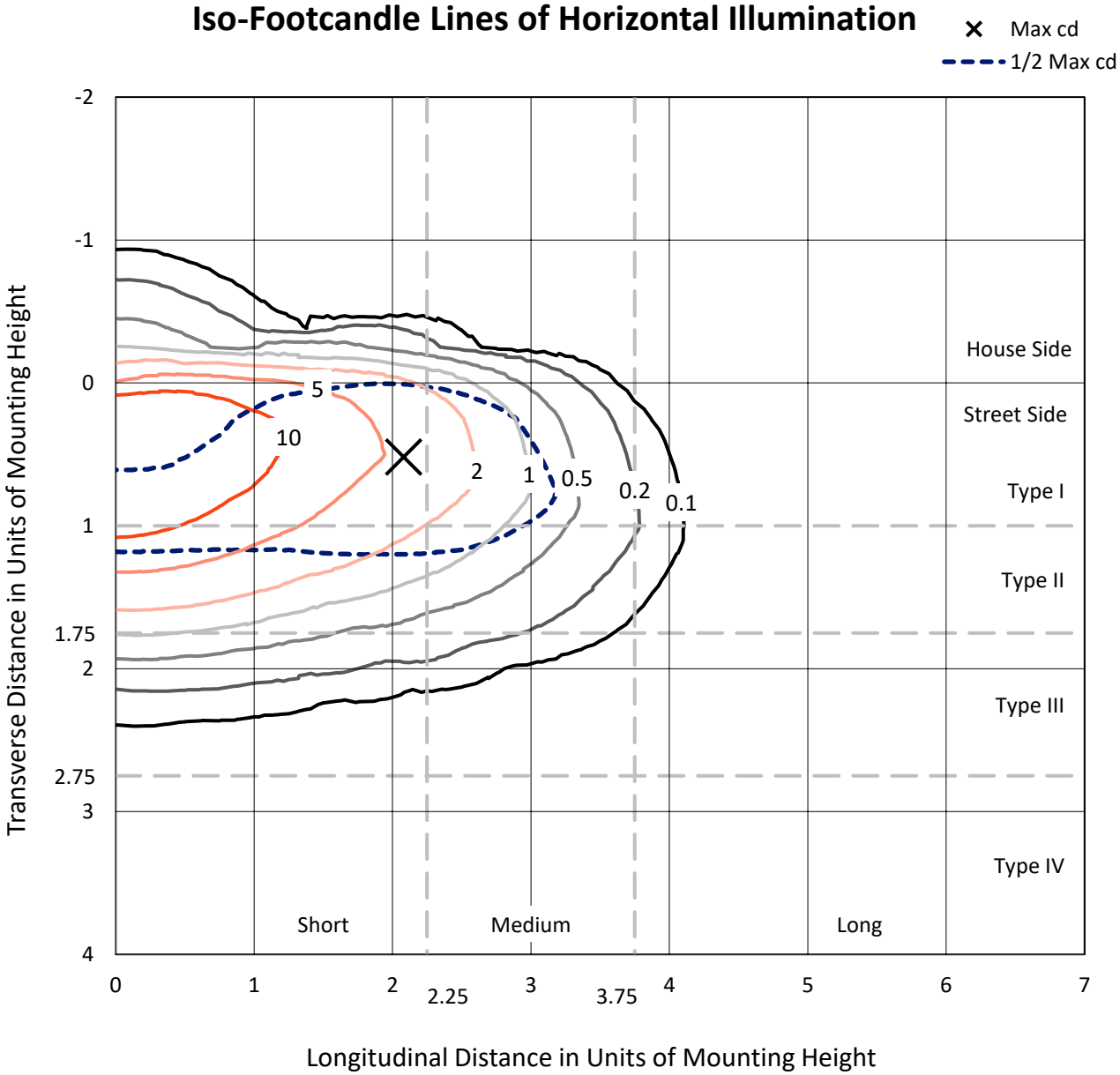
Input Watts (W):	63.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P632554
CATALOG NUMBER: GWS-SA2C-830-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



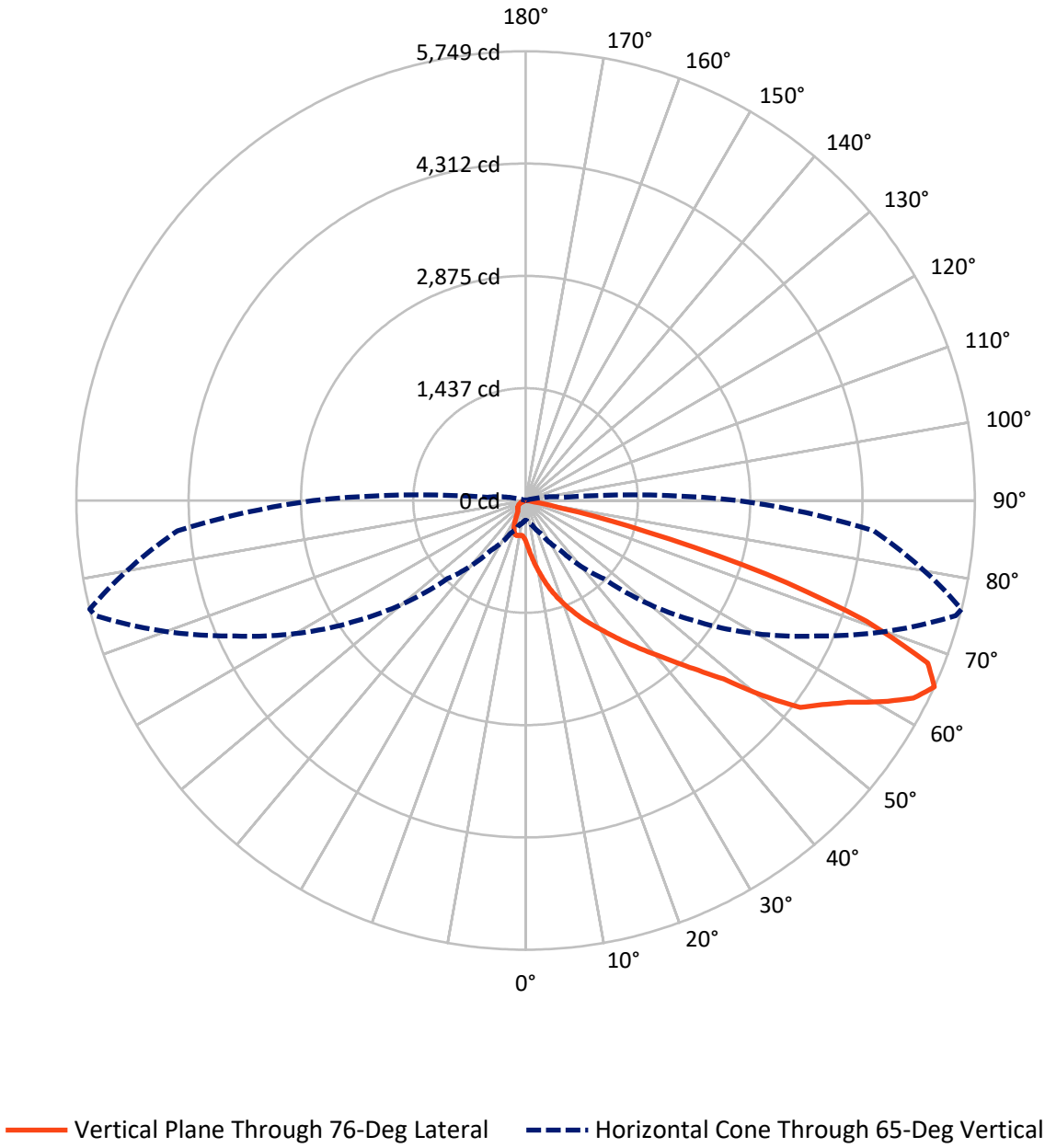
Based on 10 foot mounting height. Maximum calculated value = 17.8 fc
Type II - Short - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P632554
CATALOG NUMBER: GWS-SA2C-830-U-T2R-W-HSS

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

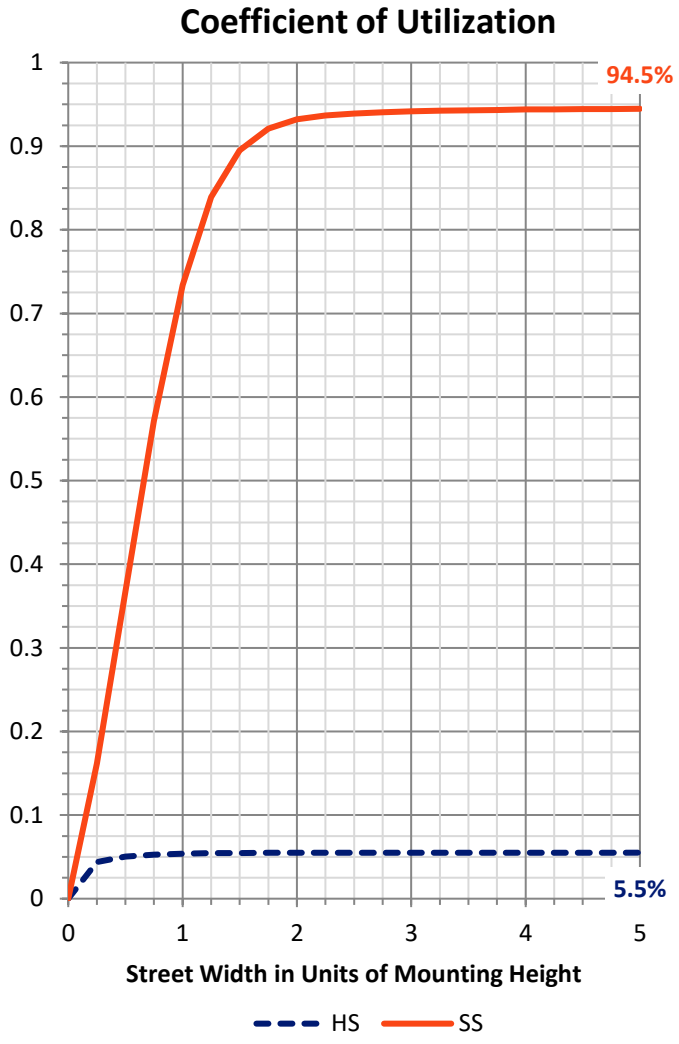
REPORT NUMBER: P632554
CATALOG NUMBER: GWS-SA2C-830-U-T2R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	327.9	0.0	327.9
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	5601.6	0.0	5601.6
	% Fixture	94.5	0.0	94.5
Total	Lumens	5929.5	0.0	5929.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	1.1
10°-20°	242.3	4.1
20°-30°	494.4	8.3
30°-40°	879.3	14.8
40°-50°	1299.8	21.9
50°-60°	1488.2	25.1
60°-70°	1135.4	19.1
70°-80°	318.1	5.4
80°-90°	8.0	0.1
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°	5929.5	100.0
0°-180°	5929.5	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

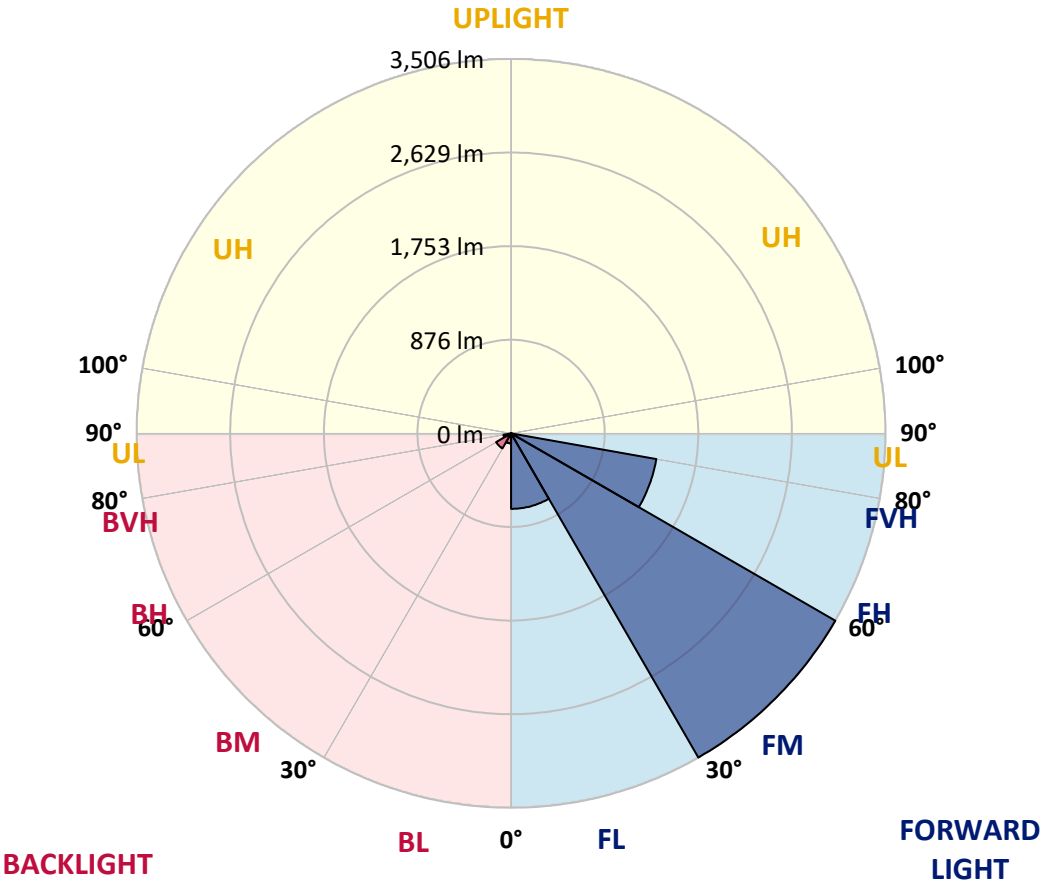
Scaled Data Report

REPORT NUMBER: P632554
CATALOG NUMBER: GWS-SA2C-830-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	707.0	11.9			
FM	(30°-60°)	3505.6	59.1			
FH	(60°-80°)	1381.4	23.3			G1/1800
FVH	(80°-90°)	7.5	0.1			G0/10
BL	(0°-30°)	93.6	1.6	B0/110		
BM	(30°-60°)	161.8	2.7	B0/220		
BH	(60°-80°)	72.1	1.2	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type II Short



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P632554
CATALOG NUMBER: GWS-SA2C-830-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	525.0	525.0	525.0	525.0	525.0	525.0	525.0	525.0	525.0	*525.0*	525.0
2.5°	809.1	821.2	811.7	795.9	765.3	735.8	697.9	645.7	604.0	*598.8*	559.8
5°	1092.6	1091.6	1071.0	1050.5	1018.3	967.7	891.3	794.3	701.0	*693.1*	605.6
7.5°	1261.3	1262.9	1251.3	1235.5	1203.9	1151.7	1072.1	955.1	818.6	*802.8*	668.3
10°	1403.1	1402.6	1394.1	1386.8	1358.3	1323.5	1238.1	1109.5	945.1	*920.3*	738.4
12.5°	1509.6	1513.3	1517.5	1524.9	1512.7	1478.5	1397.8	1257.6	1073.1	*1045.7*	818.6
15°	1593.9	1595.0	1610.8	1639.2	1649.3	1631.3	1558.1	1401.0	1199.6	*1175.9*	910.8
17.5°	1619.2	1621.3	1648.2	1700.4	1753.1	1763.1	1707.8	1545.4	1324.0	*1298.7*	1000.4
20°	1672.4	1677.2	1697.2	1743.1	1809.5	1863.2	1841.6	1691.4	1448.4	*1415.2*	1092.1
22.5°	1840.1	1842.7	1835.8	1841.6	1875.9	1938.1	1951.3	1832.7	1576.0	*1540.7*	1191.2
25°	2128.4	2129.4	2081.5	2036.1	2010.3	2021.9	2050.9	1962.9	1702.5	*1667.7*	1283.5
27.5°	2427.8	2431.4	2374.0	2297.0	2204.8	2152.1	2143.7	2082.0	1830.0	*1791.6*	1374.6
30°	2709.7	2709.7	2649.1	2555.3	2432.0	2329.2	2268.6	2202.2	1966.6	*1924.4*	1467.9
32.5°	2963.3	2961.2	2883.7	2782.0	2660.2	2547.4	2419.8	2327.6	2118.4	*2071.4*	1575.5
35°	3172.5	3167.3	3079.2	2981.7	2851.5	2767.7	2625.4	2462.5	2282.8	*2235.9*	1686.1
37.5°	3330.7	3324.9	3244.2	3140.9	3020.2	2965.9	2846.8	2624.4	2456.2	*2413.5*	1809.0
40°	3416.6	3405.0	3349.1	3272.1	3170.9	3123.5	3074.0	2825.2	2660.2	*2607.0*	1953.9
42.5°	3441.9	3428.2	3391.3	3355.4	3294.3	3256.9	3310.1	3051.8	2884.2	*2838.4*	2119.4
45°	3367.0	3359.1	3356.0	3381.8	3392.8	3403.4	3534.6	3302.7	3131.4	*3096.6*	2327.6
47.5°	3186.8	3184.6	3212.6	3320.1	3437.1	3548.3	3778.7	3612.1	3451.9	*3414.5*	2618.6
50°	2853.6	2875.3	2953.3	3142.0	3376.0	3630.6	4006.9	4041.2	3970.5	*3915.7*	2998.1
52.5°	2332.9	2374.5	2549.5	2836.2	3172.5	3607.4	4112.3	4384.8	4457.0	*4400.1*	3270.0
55°	1830.6	1869.6	2025.6	2389.3	2837.8	3430.8	4117.1	4503.4	4661.0	*4608.3*	3454.0
57.5°	1363.6	1399.4	1541.2	1889.1	2382.4	3083.4	4004.3	4569.3	4902.9	*4869.2*	3744.4
60°	891.3	926.6	1054.7	1358.8	1848.0	2577.4	3726.5	4555.6	5232.4	*5229.2*	4101.3
62.5°	494.4	522.3	615.1	852.3	1289.8	1996.1	3290.1	4418.0	5551.3	*5571.3*	4395.4
65°	*253.0*	*270.9*	*327.3*	*468.6*	*780.6*	*1415.2*	*2716.1*	*4102.8*	*5698.8*	*5749.4*	*4472.8*
67.5°	165.5	171.3	185.0	243.5	418.0	890.2	2044.0	3597.4	5491.2	*5550.2*	4213.0
70°	134.4	139.2	147.1	162.3	215.6	472.8	1342.5	2873.1	4588.3	*4628.3*	3354.9
72.5°	98.6	104.9	120.2	130.2	155.5	259.3	698.4	1885.9	3150.9	*3221.5*	2108.3
75°	72.7	76.4	89.1	102.8	127.0	163.9	267.2	991.4	1627.1	*1586.0*	885.5
77.5°	43.7	46.4	56.9	65.9	90.7	102.3	93.3	366.3	494.9	*465.4*	214.0
80°	21.6	24.2	37.4	49.5	58.0	41.1	39.0	102.3	110.2	*110.2*	53.8
82.5°	7.4	9.5	20.0	32.7	28.5	15.8	18.4	26.4	29.5	*31.1*	15.8
85°	0.0	0.0	4.7	9.5	4.2	2.1	4.7	5.8	7.4	*7.9*	5.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	*2.1*	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P632554
CATALOG NUMBER: GWS-SA2C-830-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	525.0	525.0	525.0	525.0	525.0	525.0	525.0	525.0	525.0	525.0	525.0
2.5°	538.7	513.9	476.5	442.8	416.9	392.7	374.2	359.5	356.8	348.4	349.5
5°	562.9	518.1	449.1	395.8	358.4	333.1	312.0	296.2	289.4	282.5	277.2
7.5°	600.4	535.5	438.5	373.7	330.0	291.0	258.3	231.9	219.3	211.4	206.1
10°	646.2	559.8	439.1	360.5	295.7	236.1	191.3	162.3	148.6	144.4	143.9
12.5°	701.0	590.3	443.3	338.9	246.1	175.5	141.8	128.6	124.4	120.7	120.7
15°	759.0	624.6	443.3	299.4	187.6	137.0	122.8	114.4	109.1	107.0	105.9
17.5°	820.1	656.7	432.7	245.1	143.9	120.7	109.1	101.2	97.0	93.8	92.8
20°	885.5	687.3	406.4	187.6	123.3	108.1	97.0	89.1	84.9	81.7	81.7
22.5°	951.9	715.8	363.7	144.4	109.1	95.9	85.4	78.0	73.8	70.6	70.6
25°	1013.6	734.8	308.9	119.1	98.6	85.4	75.9	68.5	63.8	61.7	60.6
27.5°	1071.0	746.9	248.3	104.9	88.6	76.4	66.4	59.6	55.9	54.3	53.2
30°	1130.6	750.0	189.8	95.4	80.1	67.5	58.0	52.7	49.5	47.4	47.4
32.5°	1188.6	746.4	144.9	87.5	72.7	59.6	51.7	46.9	44.3	42.7	42.2
35°	1247.6	729.5	117.5	80.6	65.4	52.2	45.9	42.2	40.6	38.5	38.5
37.5°	1311.9	706.8	102.3	73.8	58.0	46.9	41.1	38.5	36.4	34.8	34.3
40°	1392.0	680.5	93.8	68.0	51.1	42.2	36.9	34.3	32.7	31.1	30.6
42.5°	1486.9	654.6	89.6	61.7	45.9	37.4	33.2	30.0	28.5	26.4	25.8
45°	1621.3	648.8	84.9	54.8	41.1	33.7	29.0	25.8	23.7	22.1	21.6
47.5°	1837.4	665.2	77.0	47.4	36.4	29.5	24.8	22.1	19.5	17.9	16.9
50°	2051.9	661.0	69.0	41.1	32.2	25.3	21.1	18.4	15.8	14.2	13.7
52.5°	2169.0	640.9	61.7	36.4	27.9	21.6	17.9	14.8	13.2	11.6	11.1
55°	2274.9	633.0	54.3	31.6	23.7	19.0	14.8	12.1	11.1	9.5	9.0
57.5°	2482.6	651.5	48.0	27.4	20.6	16.3	12.7	10.0	9.0	7.4	6.9
60°	2699.7	653.6	41.1	23.7	17.9	13.7	10.0	7.9	6.9	5.3	4.7
62.5°	2813.1	600.4	33.7	20.0	14.8	11.6	8.4	6.3	5.3	3.2	3.2
65°	*2718.2*	*485.4*	*28.5*	*16.3*	*11.6*	*9.0*	*6.3*	*4.7*	*3.2*	*1.6*	*0.5*
67.5°	2405.6	345.2	23.7	13.2	8.4	6.3	4.7	3.2	0.5	0.0	0.0
70°	1761.5	197.1	18.4	9.5	6.3	4.2	3.2	1.6	0.0	0.0	0.0
72.5°	1082.6	105.4	13.7	6.3	4.7	3.2	2.6	1.1	0.0	0.0	0.0
75°	410.6	50.6	8.4	4.2	3.7	2.6	1.6	0.5	0.0	0.0	0.0
77.5°	111.2	24.8	4.7	3.2	2.6	1.6	1.1	0.0	0.0	0.0	0.0
80°	29.0	11.6	3.2	2.1	1.6	1.1	0.0	0.0	0.0	0.0	0.0
82.5°	10.0	5.3	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0
85°	4.2	2.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.5	0.5	0.5	0.5	0.0	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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

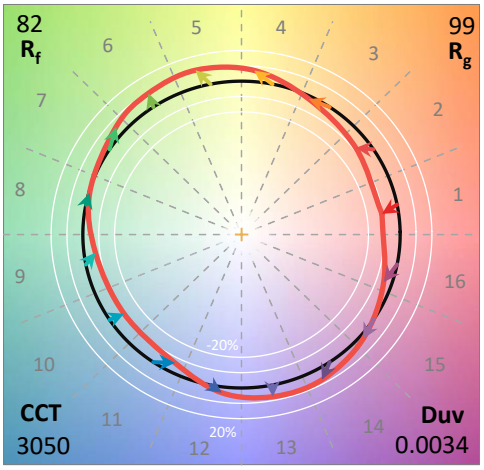
Test Information

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

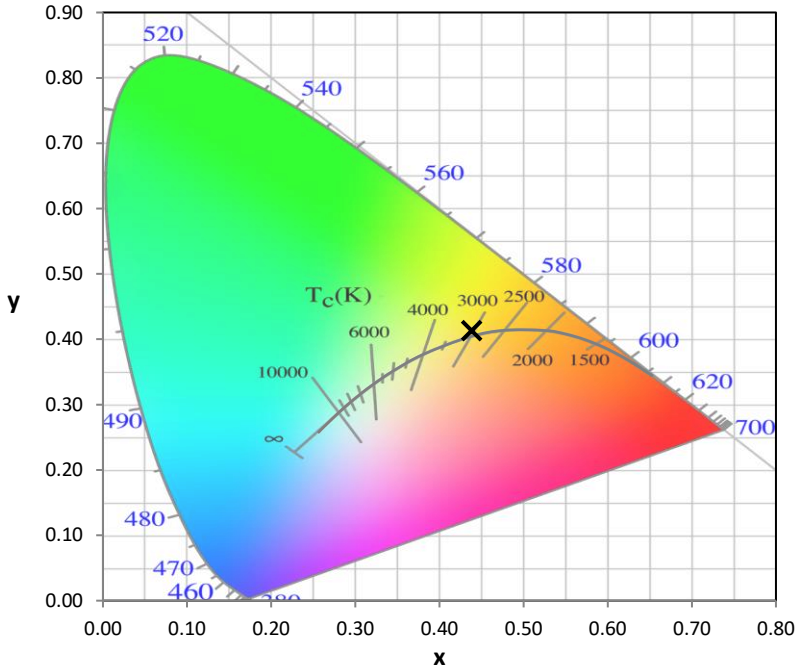
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

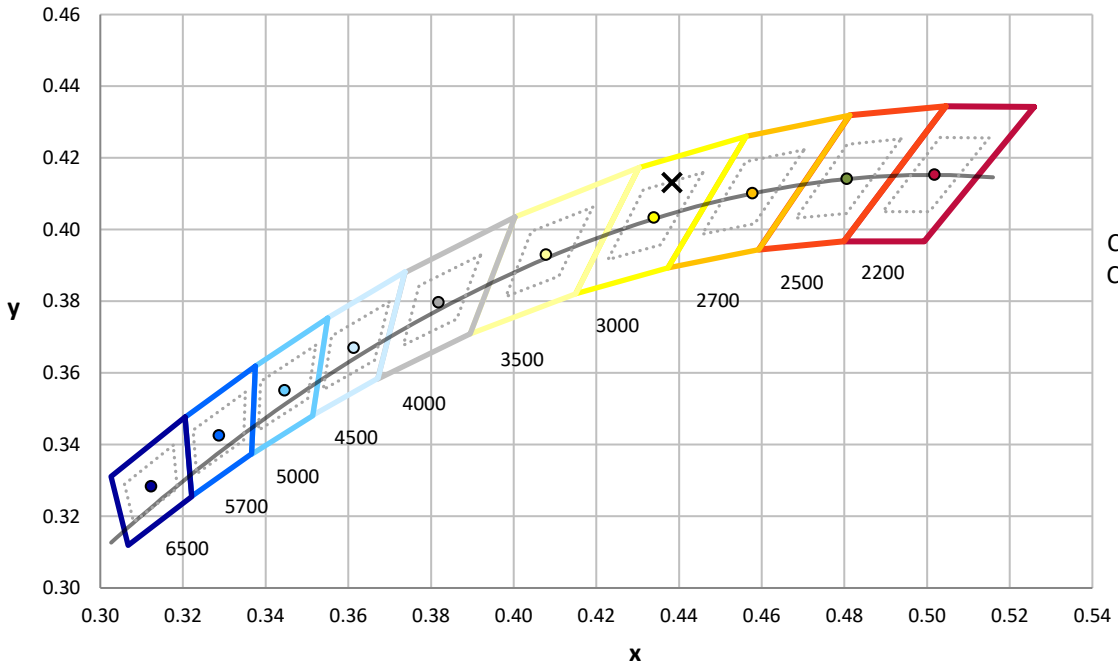
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

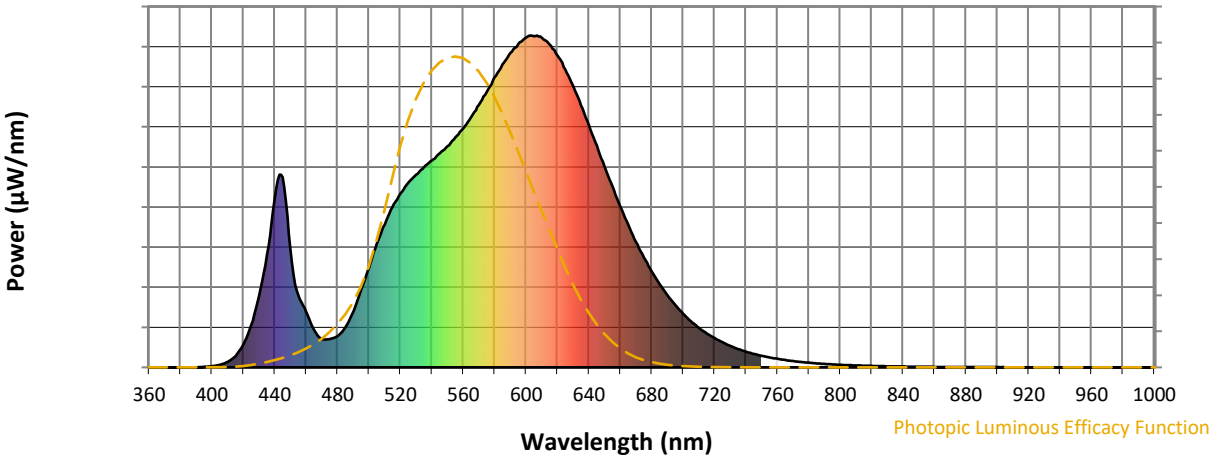


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

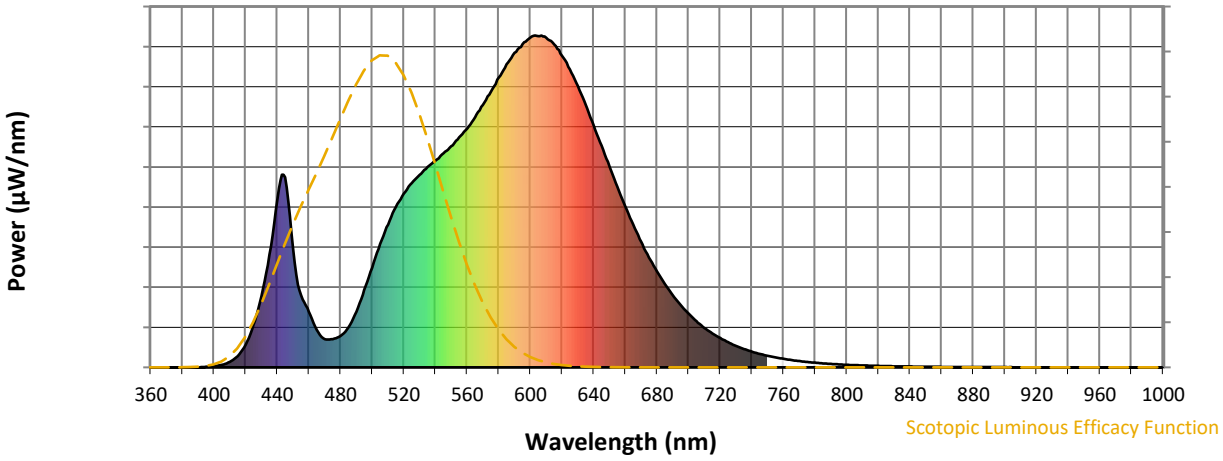


Photopic Lumens: NR

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

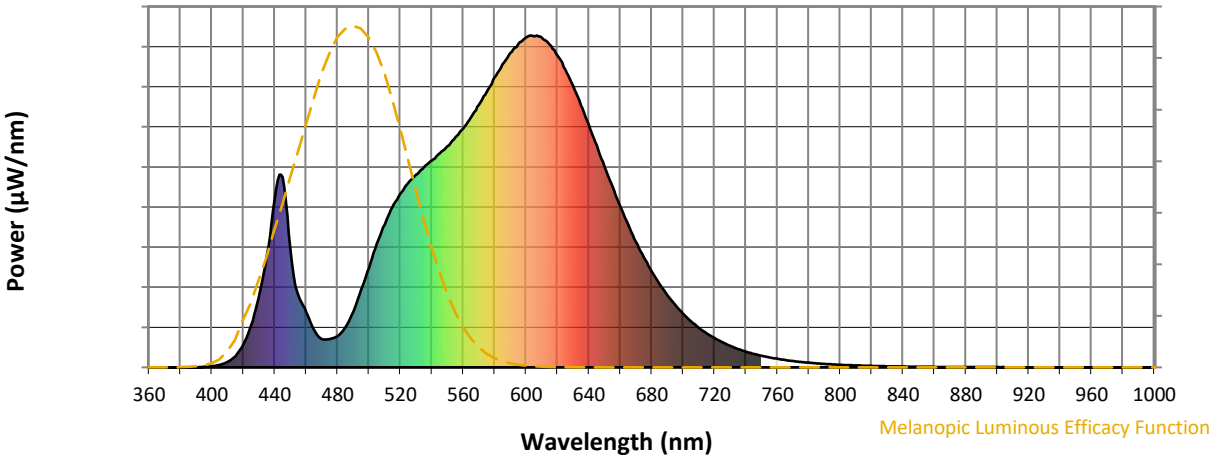


Scotopic Lumens: NR **S/P: 1.27**

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			

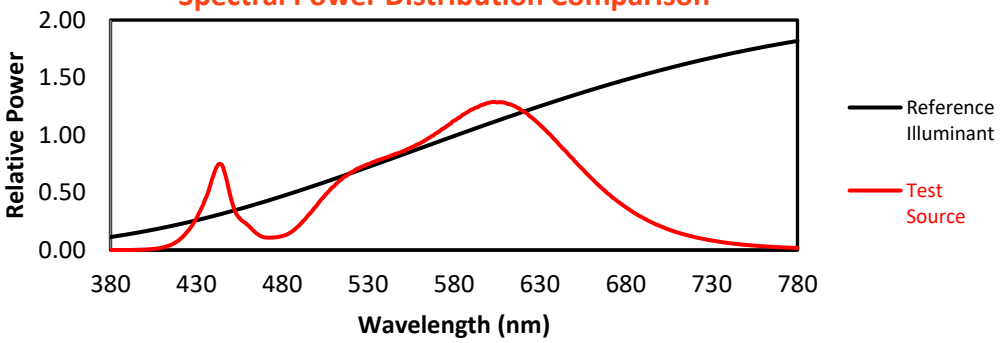
REPORT NUMBER: SP1-2408-195-9

TM-30-18

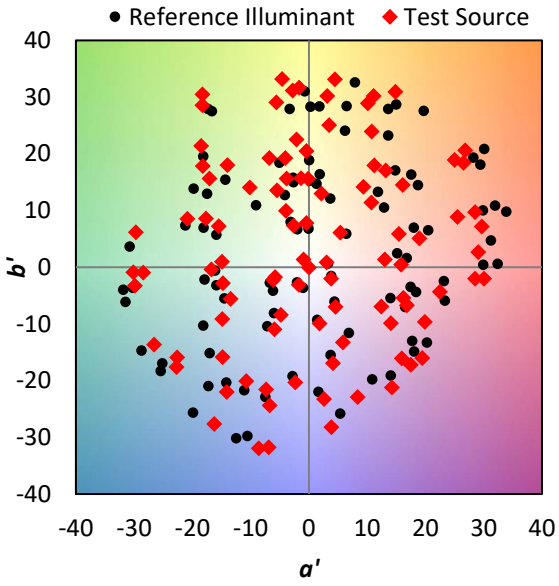
Summary

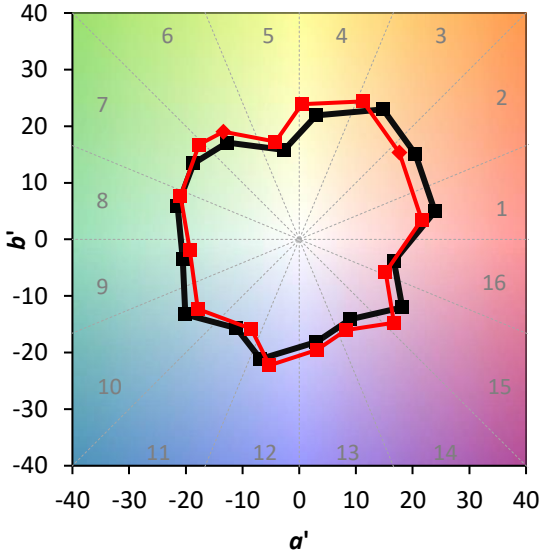
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

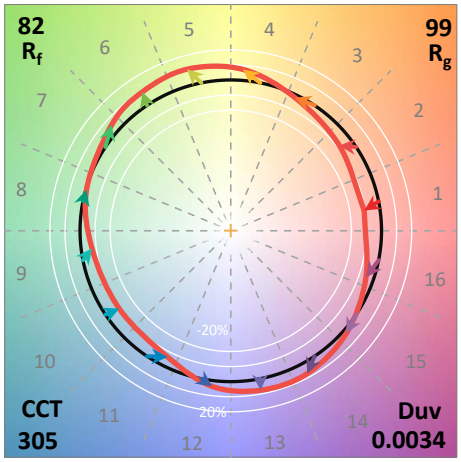
Spectral Power Distribution Comparison

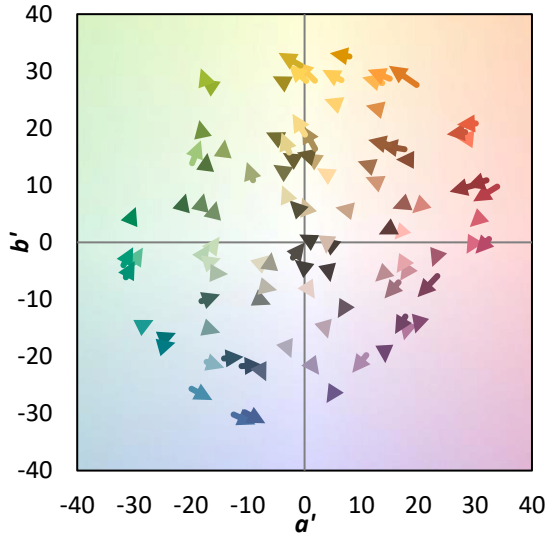


Color Vector Graphics







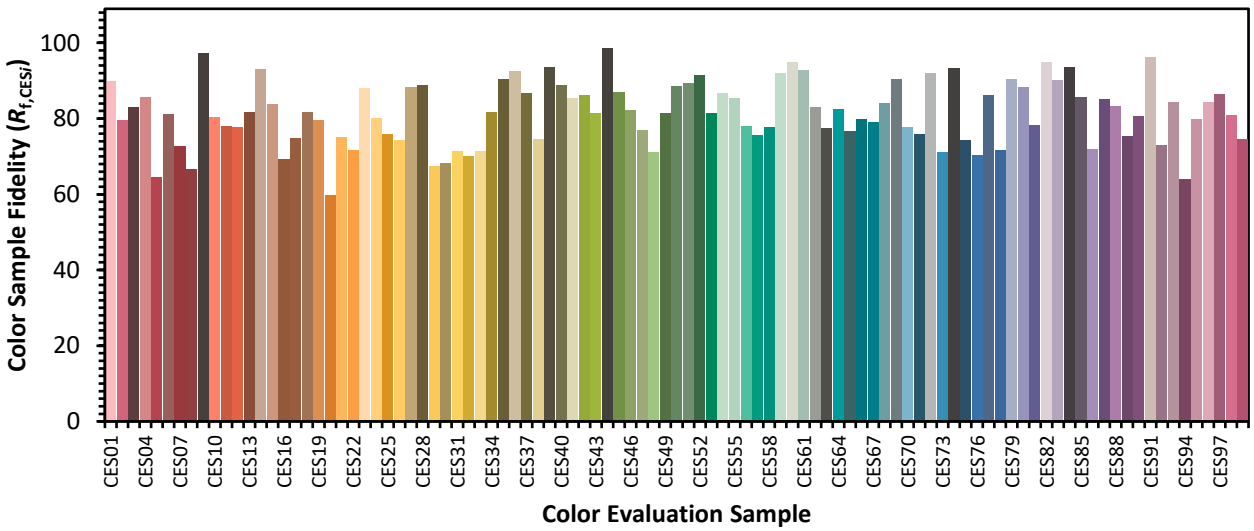


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

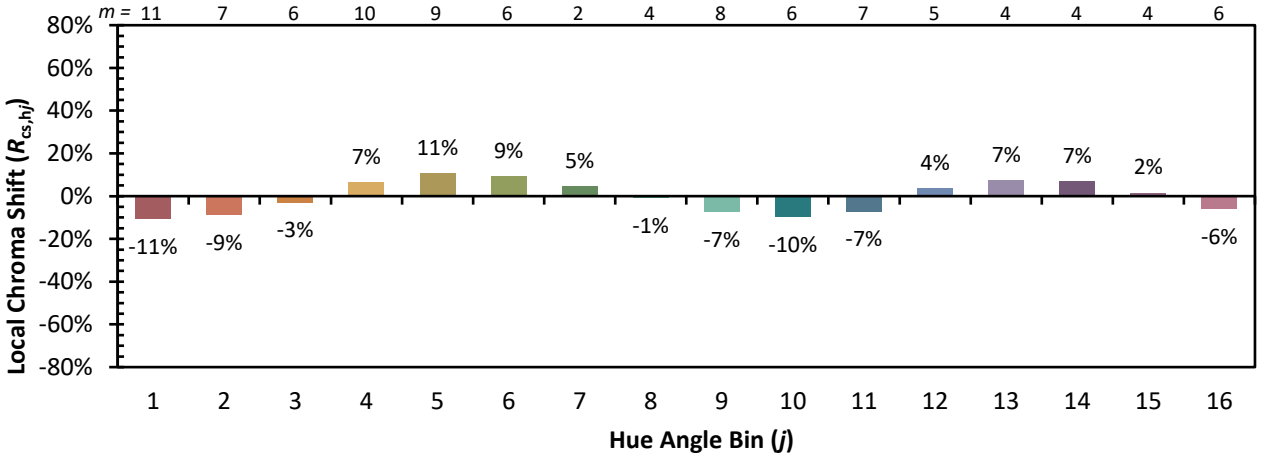
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

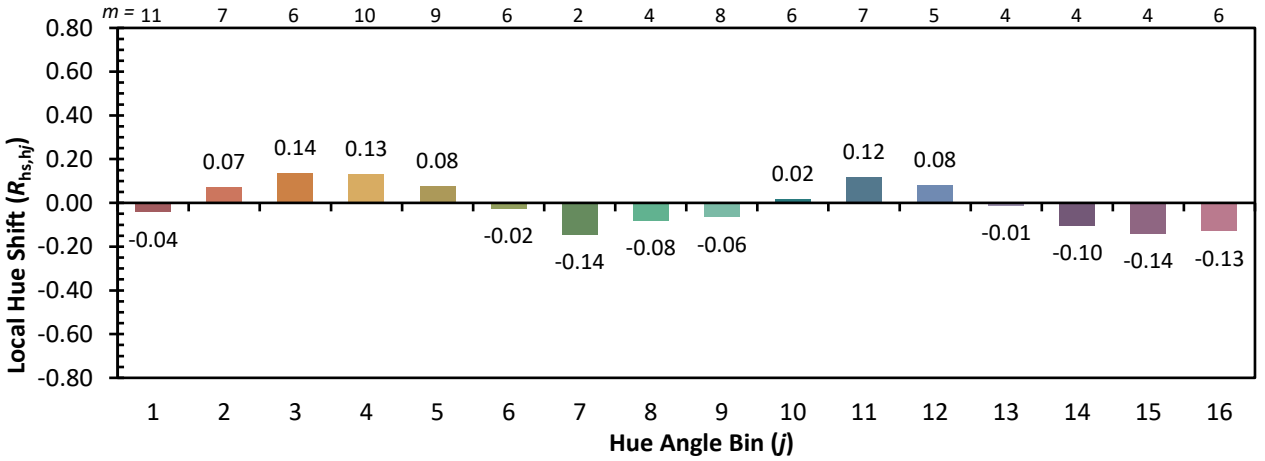


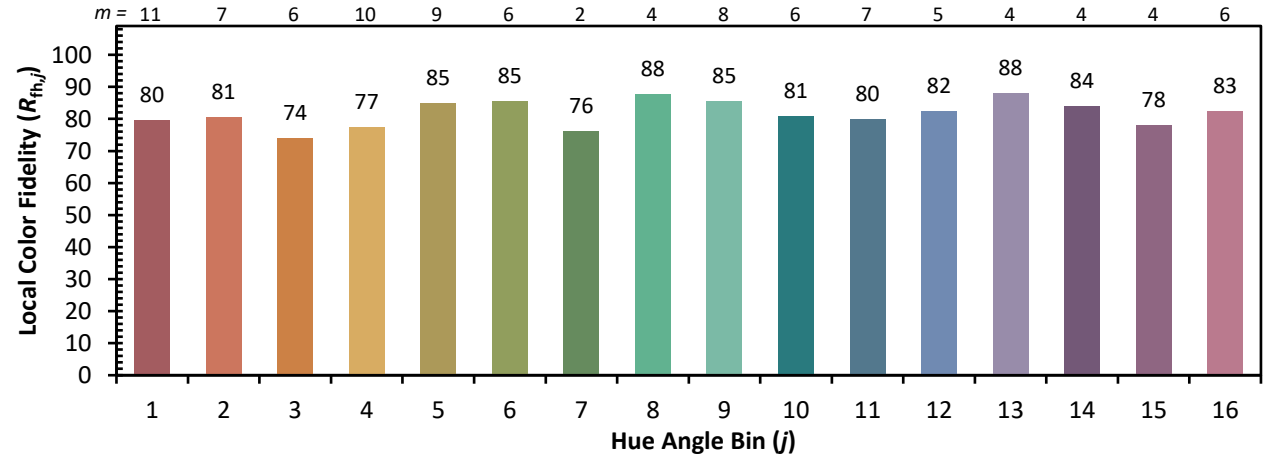
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



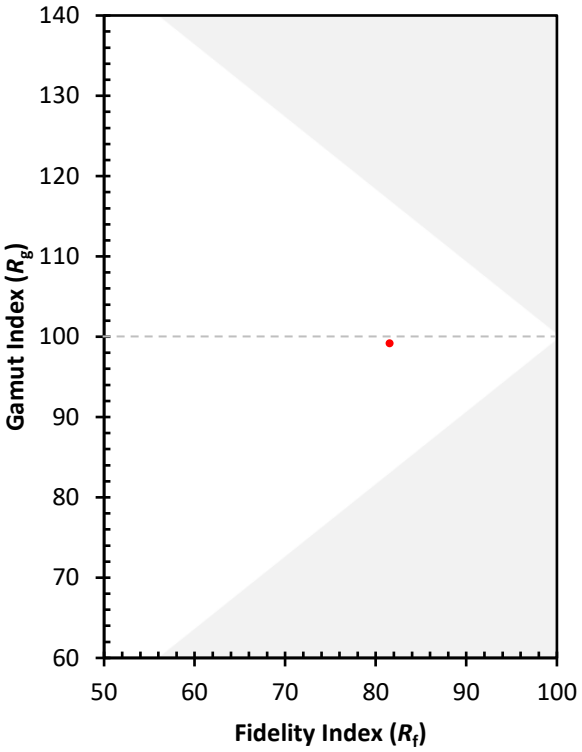


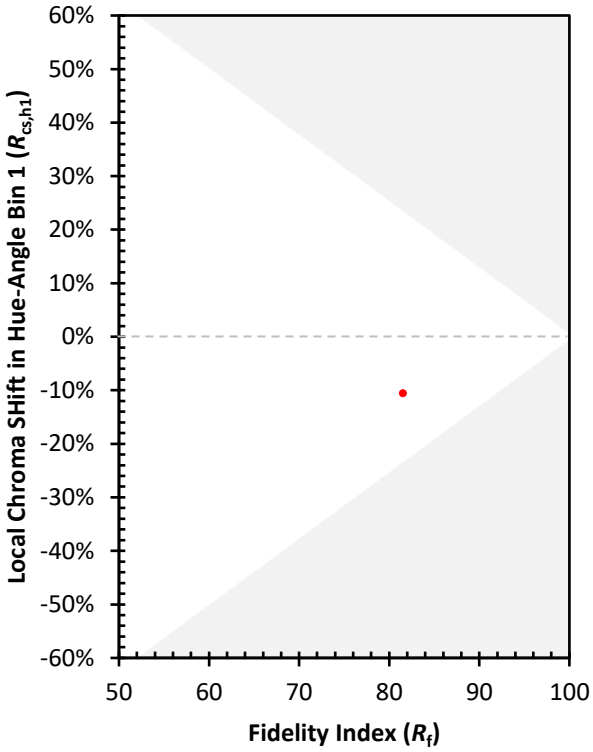


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)