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: P643437

Luminaire Tested: GWS-SA6E-830-U-T1-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:	P643437
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6E-830-U-T1-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	35495.4 lumens
Efficiency:	N/A
Efficacy:	109.6 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type I - Medium
BUG Rating:	B5 - U0 - G5

Input Watts (W):	323.8
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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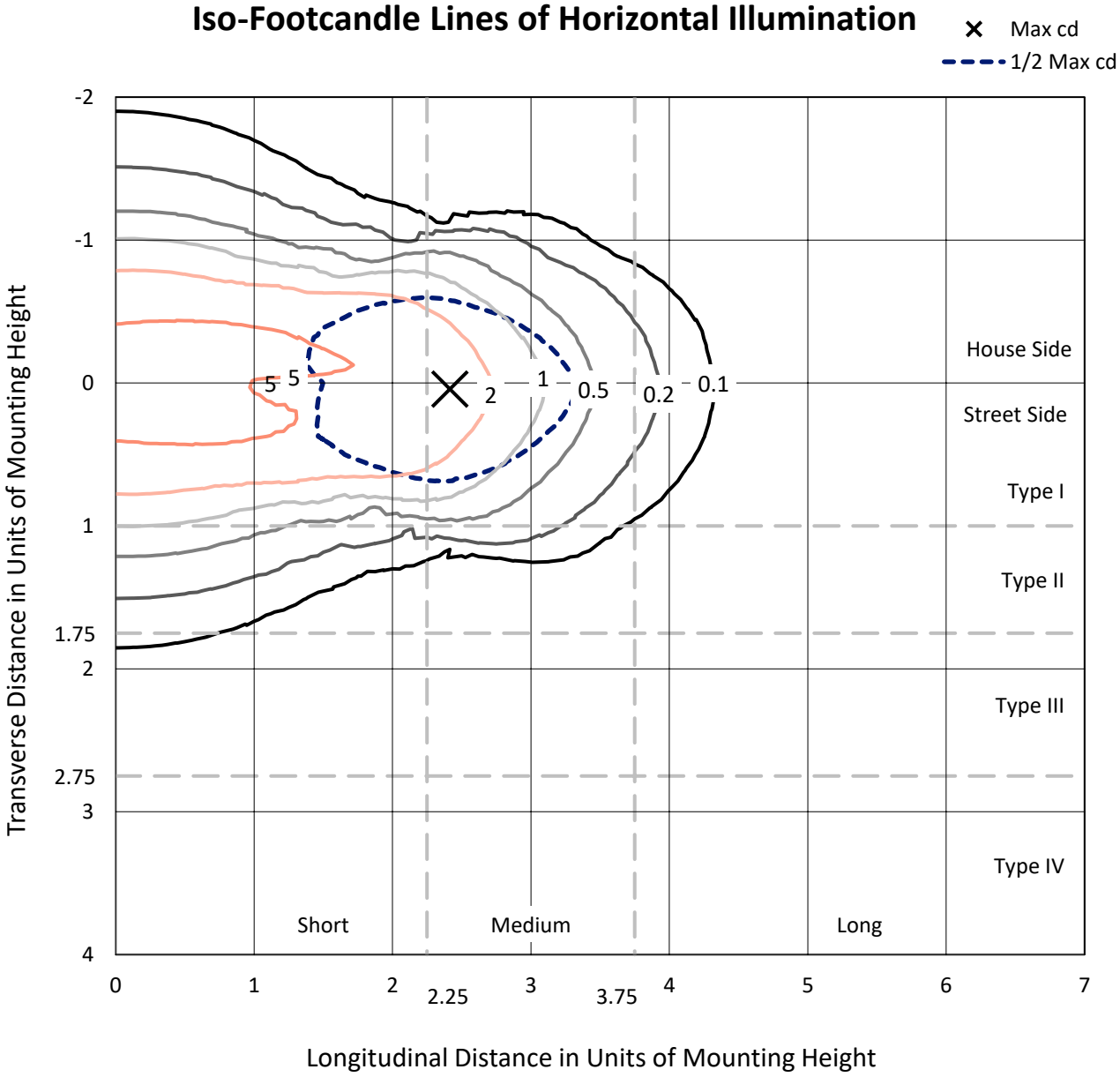
Scaled Data Report

REPORT NUMBER: P643437
CATALOG NUMBER: GWS-SA6E-830-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 7.2 fc
Type I - Medium - N/A

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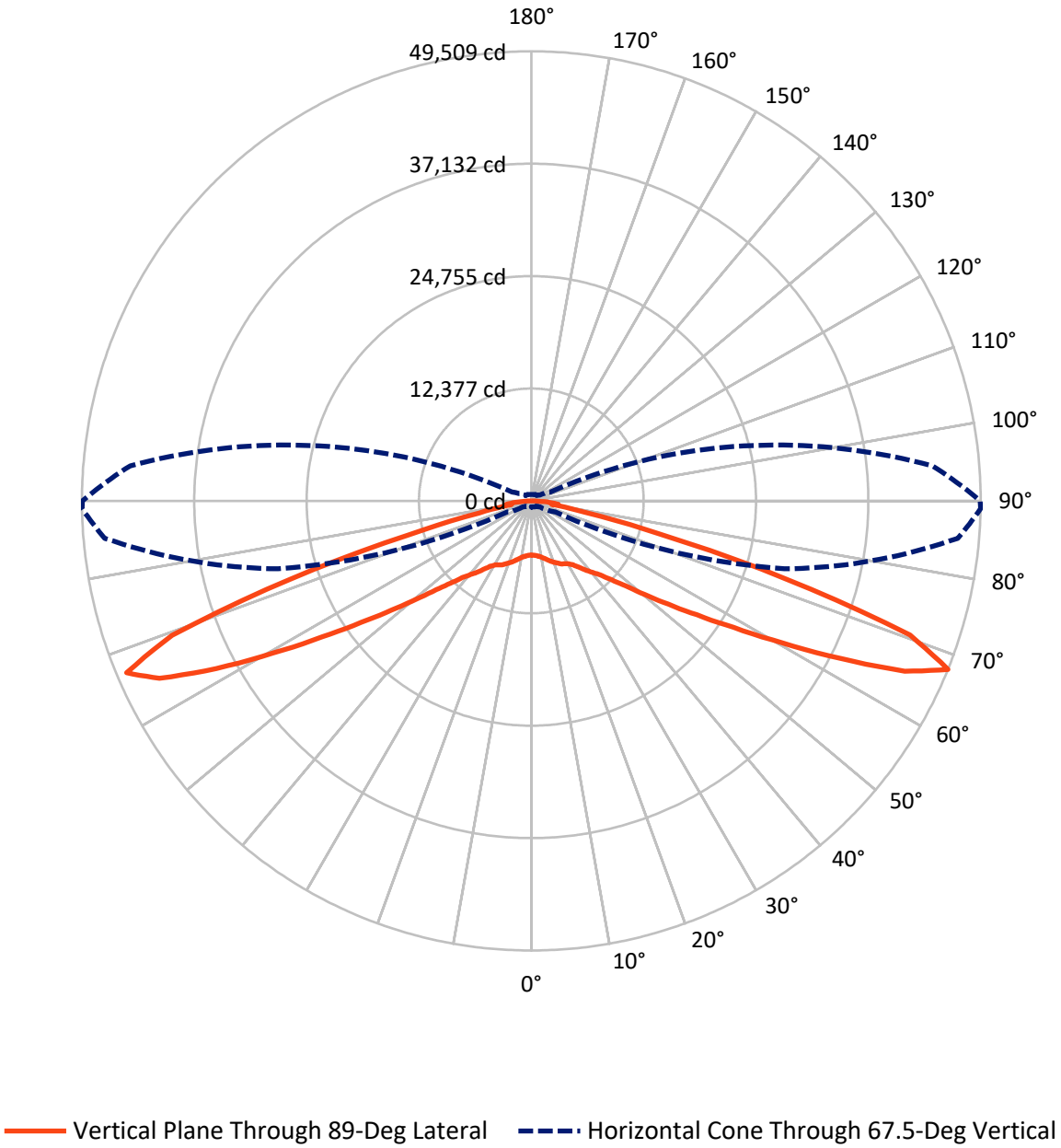
Luminous Intensity Polar Plot



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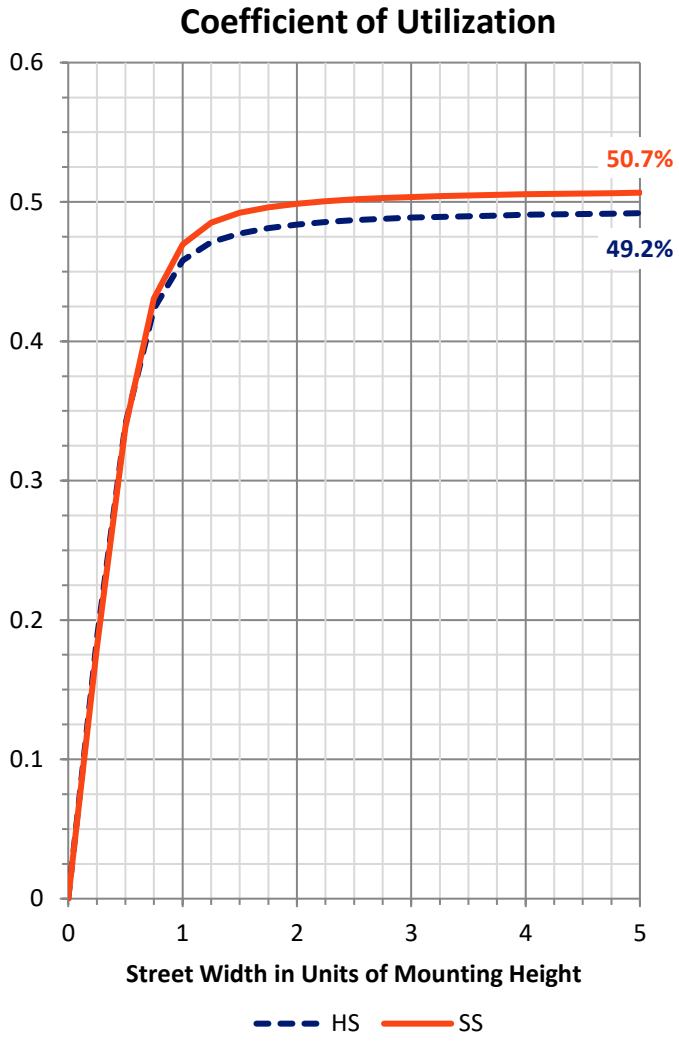
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17592.1	0.0	17592.1
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	17903.3	0.0	17903.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	35495.4	0.0	35495.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.6	1.7
10°-20°	1945.9	5.5
20°-30°	3289.4	9.3
30°-40°	4514.3	12.7
40°-50°	5756.7	16.2
50°-60°	7222.6	20.3
60°-70°	8711.1	24.5
70°-80°	3151.4	8.9
80°-90°	306.5	0.9
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°	35495.4	100.0
0°-180°	35495.4	100.0



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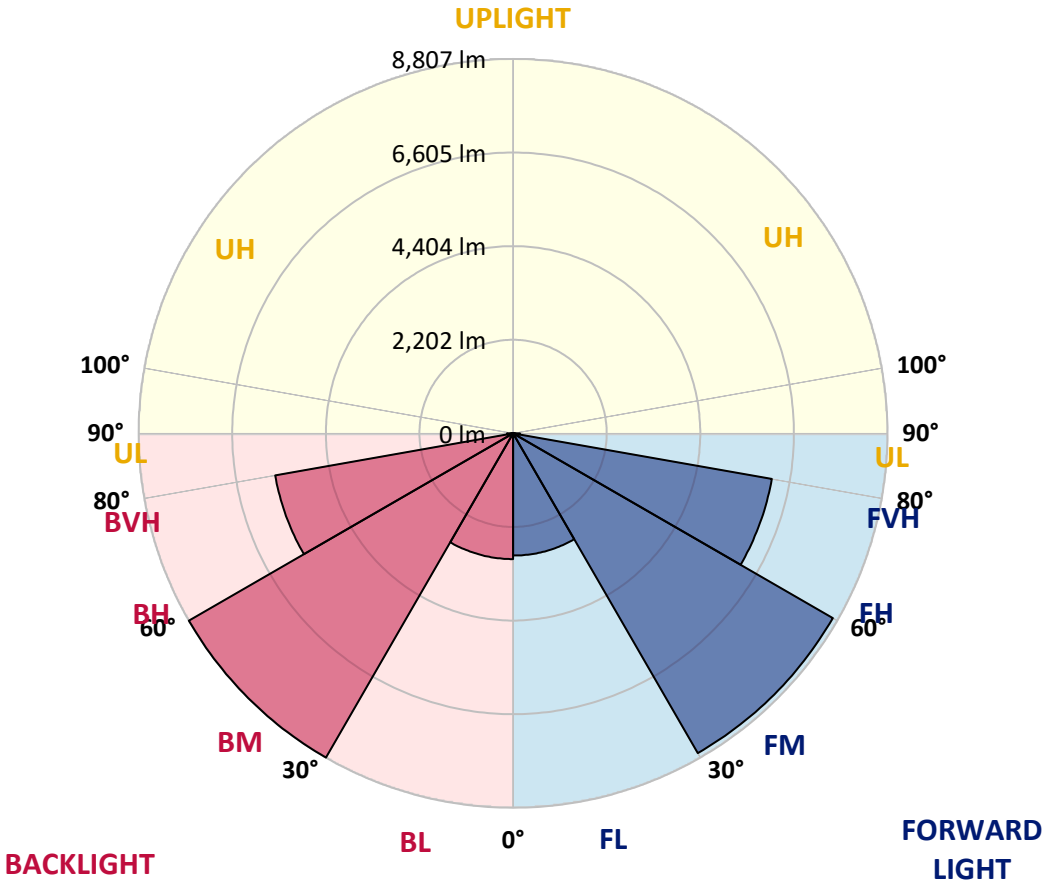
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2874.9	8.1			
FM	(30°-60°)	8686.4	24.5			
FH	(60°-80°)	6180.3	17.4			G3/7500
FVH	(80°-90°)	161.7	0.5			G2/225
BL	(0°-30°)	2958.0	8.3	B4/5000		
BM	(30°-60°)	8807.2	24.8	B5		
BH	(60°-80°)	5682.3	16.0	B5		G5
BVH	(80°-90°)	144.8	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
Type I Medium



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REPORT NUMBER: P643437
CATALOG NUMBER: GWS-SA6E-830-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6
2.5°	5975.5	5970.4	5957.6	5995.9	5988.2	5990.8	6006.1	5995.9	5978.0	5947.4	5990.8
5°	6143.7	6141.2	6113.1	6136.1	6110.6	6092.7	6090.2	6064.7	6044.3	6011.2	6057.0
7.5°	6306.9	6304.3	6281.4	6322.2	6301.8	6281.4	6258.4	6207.4	6159.0	6110.6	6161.6
10°	6431.8	6429.2	6424.1	6482.8	6487.9	6495.5	6485.3	6398.6	6314.5	6255.9	6306.9
12.5°	6503.2	6510.8	6523.6	6630.6	6684.2	6735.1	6747.9	6676.5	6536.3	6452.2	6513.4
15°	6454.7	6470.0	6533.7	6727.5	6875.3	6990.1	7038.5	6979.9	6798.9	6658.7	6727.5
17.5°	6222.7	6235.5	6360.4	6656.1	6982.4	7247.5	7326.6	7290.9	7089.5	6918.7	6985.0
20°	5901.5	5929.6	6064.7	6477.7	6964.6	7426.0	7637.6	7624.8	7405.6	7143.0	7222.0
22.5°	5610.9	5644.1	5786.8	6243.1	6844.8	7471.9	7951.1	7984.3	7693.7	7367.4	7431.1
25°	5284.6	5315.2	5498.8	5965.3	6638.3	7436.2	8218.8	8369.2	8020.0	7624.8	7683.5
27.5°	4950.7	4973.6	5154.6	5651.7	6368.0	7369.9	8430.4	8792.4	8341.2	7803.3	7844.1
30°	4657.5	4688.1	4853.8	5338.1	6072.3	7237.3	8603.7	9243.6	8710.8	8004.7	8037.8
32.5°	4374.5	4400.0	4581.0	5029.7	5758.8	7033.4	8759.3	9773.9	9258.9	8379.4	8379.4
35°	4017.6	4063.5	4267.5	4734.0	5463.1	6763.2	8871.4	10390.8	10008.4	8932.6	8935.2
37.5°	3688.8	3714.3	3928.4	4400.0	5152.1	6457.3	8881.6	11030.6	10956.7	9636.2	9641.3
40°	3314.0	3347.2	3576.6	4043.1	4795.2	6136.1	8784.7	11627.2	11950.9	10360.2	10332.1
42.5°	2934.2	2982.6	3201.9	3658.2	4410.2	5743.5	8527.3	12195.7	13212.8	11198.9	11130.1
45°	2567.1	2597.7	2816.9	3247.8	3969.2	5274.4	8114.3	12741.2	14711.8	12473.5	12374.1
47.5°	2154.1	2166.9	2393.8	2806.7	3512.9	4751.8	7522.9	13228.1	16358.6	14161.1	13990.3
50°	1787.0	1804.9	1983.3	2337.7	2954.6	4132.3	6786.1	13513.6	18456.6	16463.1	16167.4
52.5°	1445.4	1463.3	1606.0	1889.0	2442.2	3426.2	5873.5	13447.3	20585.3	19320.8	18890.0
55°	1167.6	1180.3	1277.2	1499.0	1922.1	2725.2	4795.2	12853.4	22948.4	23052.9	22125.0
57.5°	986.6	991.7	1057.9	1193.1	1501.5	2100.6	3701.5	11451.3	25426.3	27815.0	26290.5
60°	882.0	884.6	915.2	999.3	1185.4	1603.5	2712.4	9218.1	27993.4	33772.6	31682.2
62.5°	815.8	815.8	841.3	889.7	984.0	1233.8	1993.5	6620.4	29836.5	40255.3	38177.7
65°	752.0	752.0	769.9	810.7	861.6	1007.0	1496.4	4270.0	30741.5	45675.1	45213.6
67.5°	670.5	673.0	685.8	729.1	775.0	841.3	1134.4	2888.3	28862.7	47174.0	49509.1
70°	594.0	596.5	614.4	642.4	680.7	726.5	887.1	1991.0	21008.4	39289.2	44267.9
72.5°	509.9	520.0	532.8	563.4	586.3	619.5	724.0	1289.9	12223.7	25273.3	29262.9
75°	418.1	430.8	446.1	476.7	492.0	504.8	596.5	920.3	5881.1	12807.5	14584.3
77.5°	323.8	336.5	354.3	382.4	392.6	407.9	456.3	665.4	2816.9	5677.2	6120.8
80°	216.7	221.8	237.1	270.2	288.1	298.3	336.5	453.8	1223.6	2279.0	2258.6
82.5°	132.6	135.1	140.2	160.6	168.3	178.4	219.2	277.9	583.8	2590.0	2969.9
85°	48.4	45.9	43.3	56.1	66.3	76.5	102.0	140.2	254.9	1779.4	1991.0
87.5°	0.0	0.0	0.0	2.5	5.1	5.1	10.2	20.4	61.2	665.4	456.3
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: P643437
CATALOG NUMBER: GWS-SA6E-830-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6	5957.6
2.5°	5978.0	5950.0	5985.7	6011.2	6067.2	6087.6	6092.7	6074.9	6074.9	6044.3	6049.4
5°	6046.8	6029.0	6087.6	6131.0	6212.5	6243.1	6263.5	6250.8	6258.4	6238.0	6243.1
7.5°	6151.4	6136.1	6238.0	6322.2	6406.3	6442.0	6459.8	6449.6	6452.2	6426.7	6434.3
10°	6296.7	6301.8	6424.1	6533.7	6645.9	6681.6	6689.3	6658.7	6633.2	6587.3	6589.8
12.5°	6495.5	6521.0	6694.4	6816.7	6931.4	6982.4	6926.3	6814.2	6709.6	6630.6	6620.4
15°	6712.2	6758.1	7007.9	7163.4	7288.3	7262.8	7097.1	6844.8	6638.3	6521.0	6498.1
17.5°	6972.2	7041.1	7354.6	7540.7	7647.8	7484.6	7137.9	6760.6	6472.6	6314.5	6283.9
20°	7217.0	7326.6	7721.7	7963.9	7976.6	7609.5	7120.1	6589.8	6227.8	6034.1	5993.3
22.5°	7441.3	7581.5	8106.6	8415.1	8249.4	7665.6	7010.5	6347.7	5932.1	5705.2	5669.6
25°	7686.0	7884.9	8555.3	8843.4	8522.2	7642.7	6781.0	6046.8	5575.2	5343.2	5317.8
27.5°	7854.3	8104.1	9006.5	9281.8	8746.5	7512.7	6485.3	5718.0	5248.9	5029.7	4994.0
30°	8048.0	8366.7	9503.6	9758.6	8884.2	7321.5	6169.2	5412.1	4945.6	4708.5	4683.0
32.5°	8399.8	8800.0	10120.6	10263.3	8927.5	7084.4	5865.8	5116.4	4629.5	4392.4	4356.7
35°	8965.7	9434.8	10987.3	10826.7	8894.4	6824.4	5577.8	4769.7	4305.7	4083.9	4048.2
37.5°	9679.5	10263.3	11953.5	11334.0	8802.6	6538.8	5236.2	4479.0	4015.1	3790.7	3770.4
40°	10344.9	11063.8	13036.9	11772.5	8616.5	6187.1	4907.3	4175.7	3701.5	3464.4	3418.6
42.5°	11178.5	12134.5	14291.1	12152.3	8310.6	5766.4	4537.7	3800.9	3308.9	3094.8	3038.7
45°	12445.5	13633.4	15749.3	12516.9	7854.3	5248.9	4073.7	3344.6	2878.1	2658.9	2615.5
47.5°	14026.0	15507.1	17329.9	12733.5	7160.9	4703.4	3548.6	2862.8	2396.3	2149.0	2128.6
50°	16246.4	18232.3	19025.1	12695.3	6385.9	4055.9	2957.1	2289.2	1899.2	1720.7	1692.7
52.5°	18951.2	21653.4	20858.0	12236.4	5562.5	3319.1	2304.5	1797.2	1506.6	1379.1	1356.2
55°	22344.3	25750.1	22787.8	11252.4	4522.4	2541.6	1810.0	1417.4	1218.5	1142.1	1131.9
57.5°	26545.4	31055.1	24646.2	9595.4	3400.7	1940.0	1394.4	1170.1	1075.8	1029.9	1027.4
60°	32090.1	36686.4	26259.9	7456.6	2434.5	1483.7	1152.3	1045.2	971.3	940.7	938.1
62.5°	38682.4	41800.2	27264.3	5078.1	1830.4	1182.9	1014.6	948.3	905.0	887.1	884.6
65°	45458.4	45032.7	26785.1	3326.8	1389.3	1004.4	910.1	874.4	836.2	818.3	818.3
67.5°	*49460.7*	*44349.4*	*23106.5*	*2309.6*	*1101.3*	*882.0*	*820.9*	*787.7*	*724.0*	*708.7*	*708.7*
70°	43809.0	35936.9	15145.1	1690.2	892.2	772.4	713.8	667.9	642.4	627.1	624.6
72.5°	28974.9	23384.3	8053.1	1172.7	744.4	657.7	604.2	586.3	555.7	540.4	537.9
75°	14421.2	12282.3	4127.2	846.4	619.5	527.7	504.8	497.1	471.6	451.2	446.1
77.5°	6011.2	5468.2	1924.7	614.4	471.6	425.7	405.3	405.3	377.3	354.3	344.1
80°	2266.3	2019.0	910.1	420.6	349.2	316.1	303.4	293.2	270.2	242.2	226.9
82.5°	3031.1	1980.8	446.1	262.6	229.4	203.9	186.1	178.4	165.7	153.0	142.8
85°	1962.9	1407.2	201.4	135.1	114.7	86.7	76.5	71.4	63.7	56.1	51.0
87.5°	400.2	471.6	61.2	25.5	15.3	7.6	7.6	2.5	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

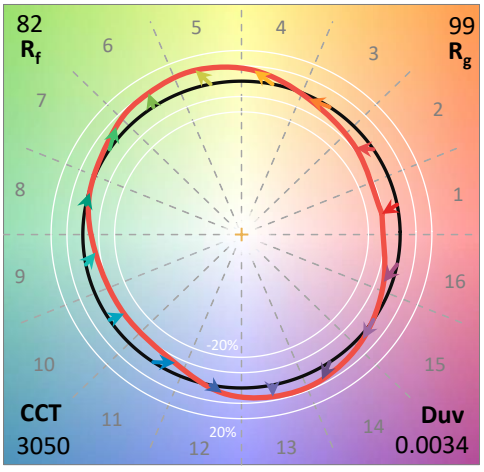
Test Information

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

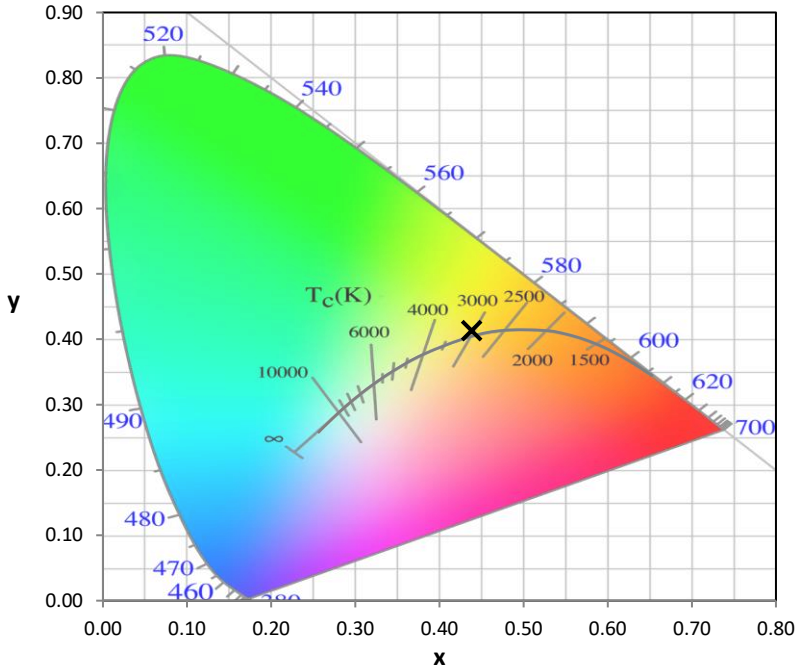
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

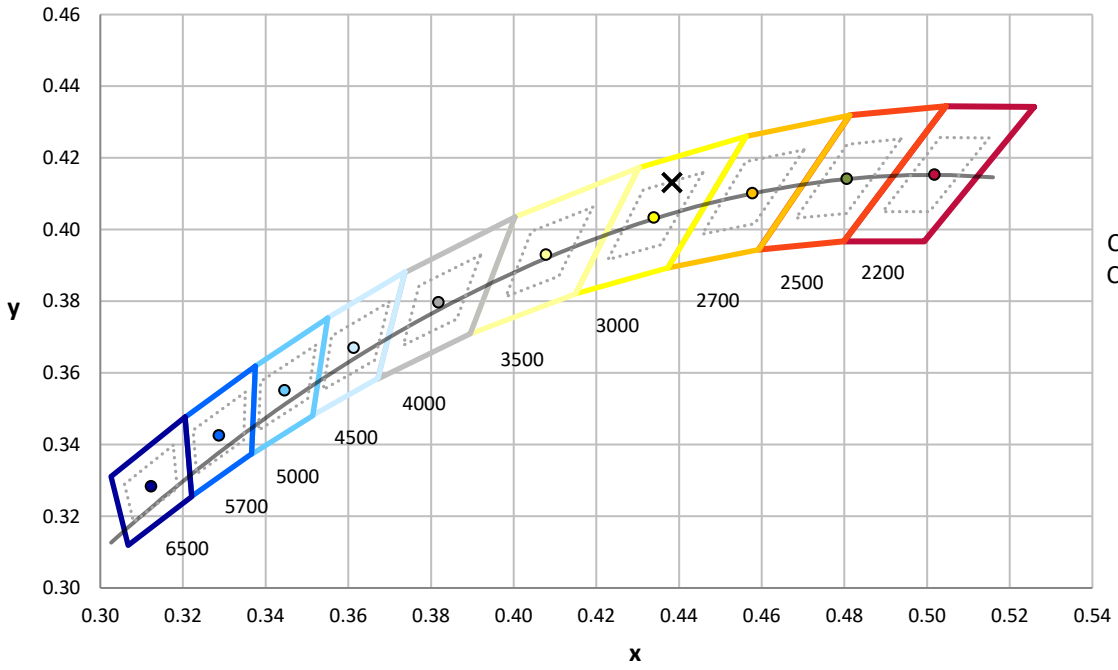
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

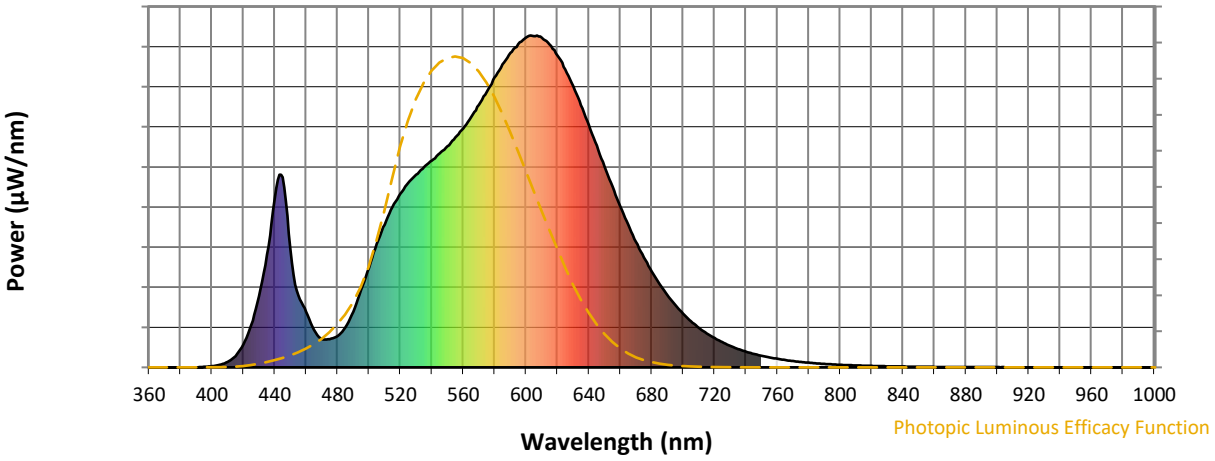


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

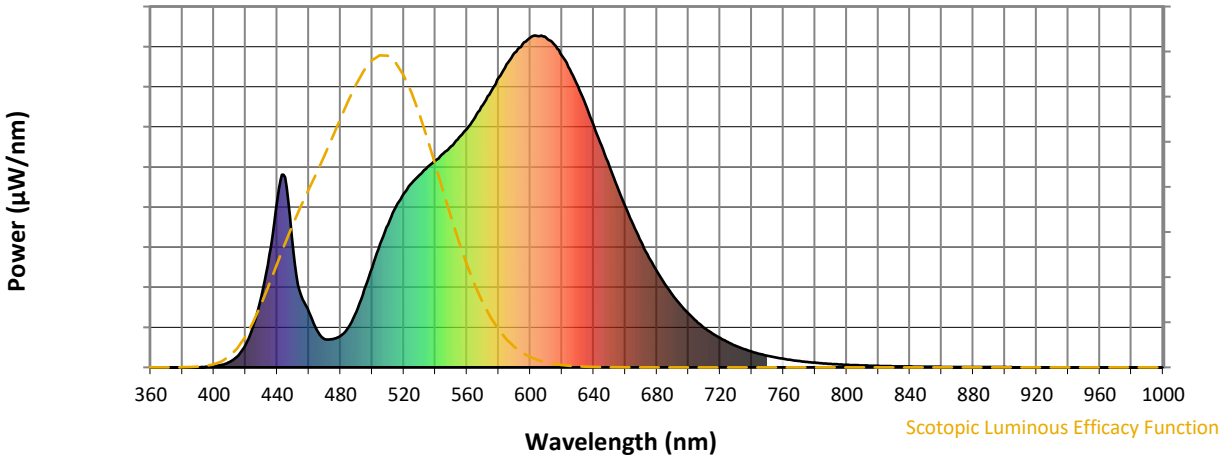


Photopic Lumens: NR

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

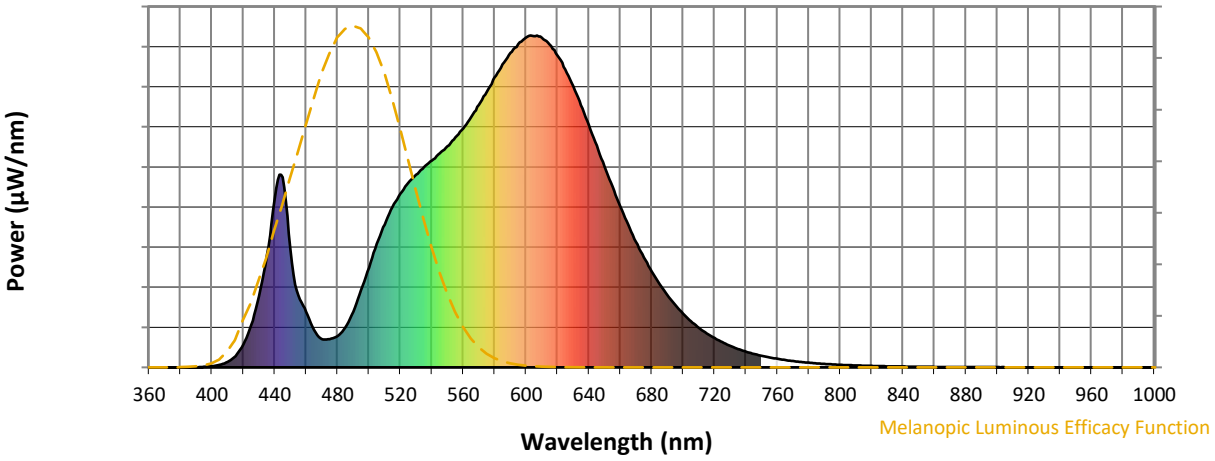


Scotopic Lumens: NR **S/P: 1.27**

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			

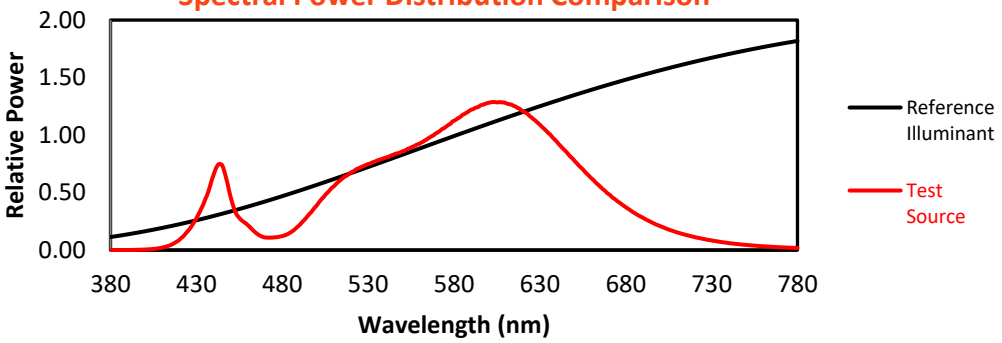
REPORT NUMBER: SP1-2408-195-9

TM-30-18

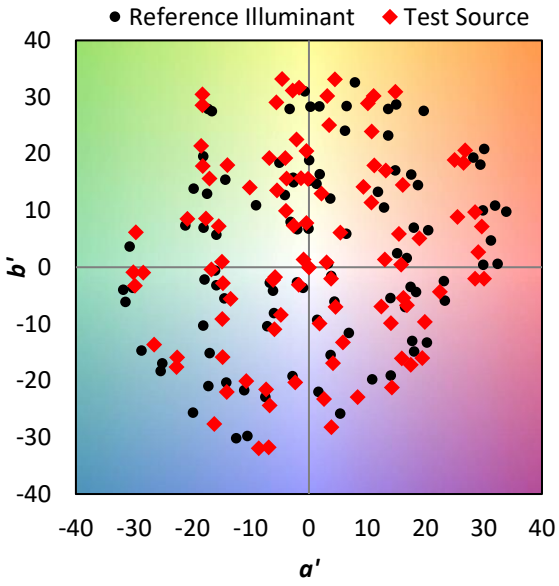
Summary

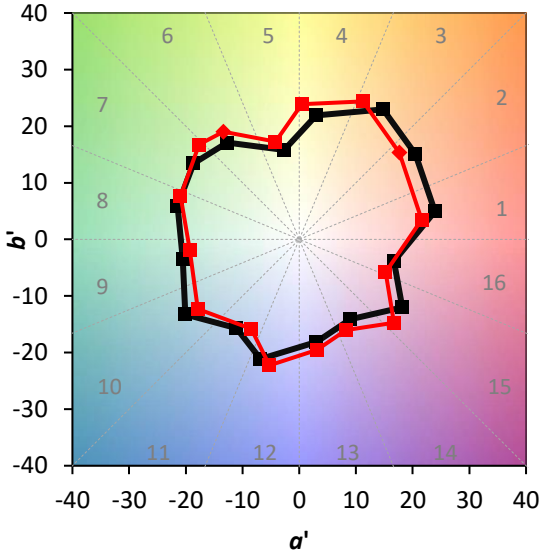
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

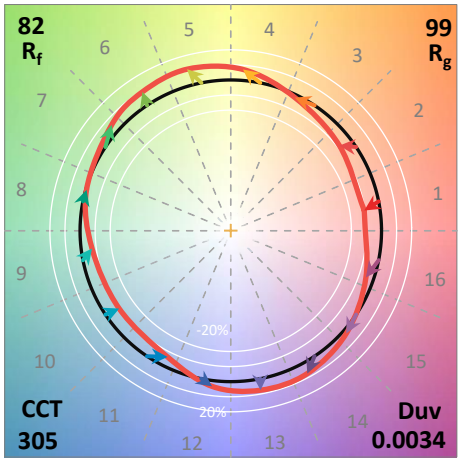
Spectral Power Distribution Comparison

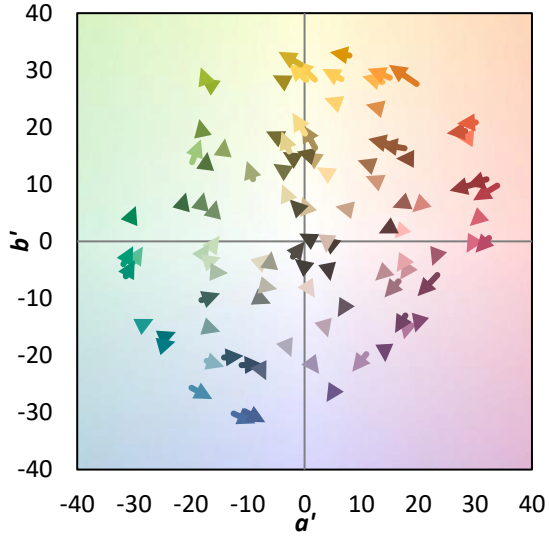


Color Vector Graphics







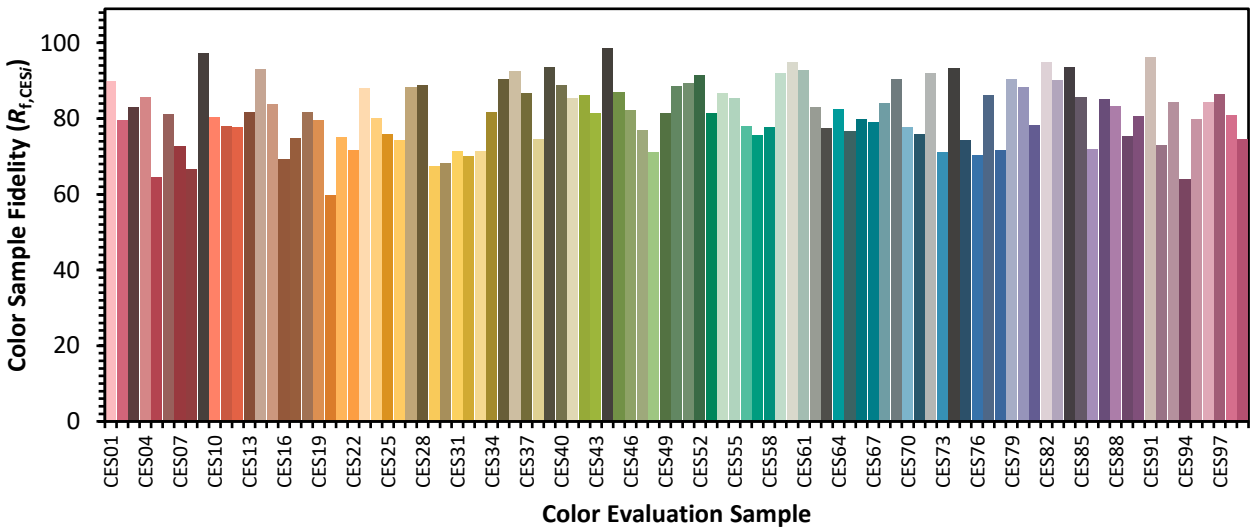


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

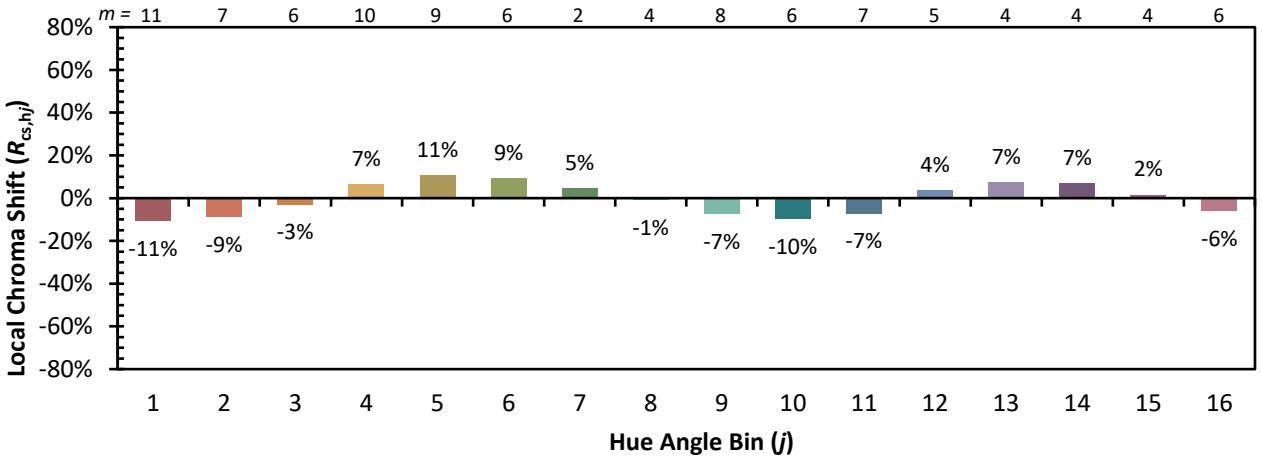
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

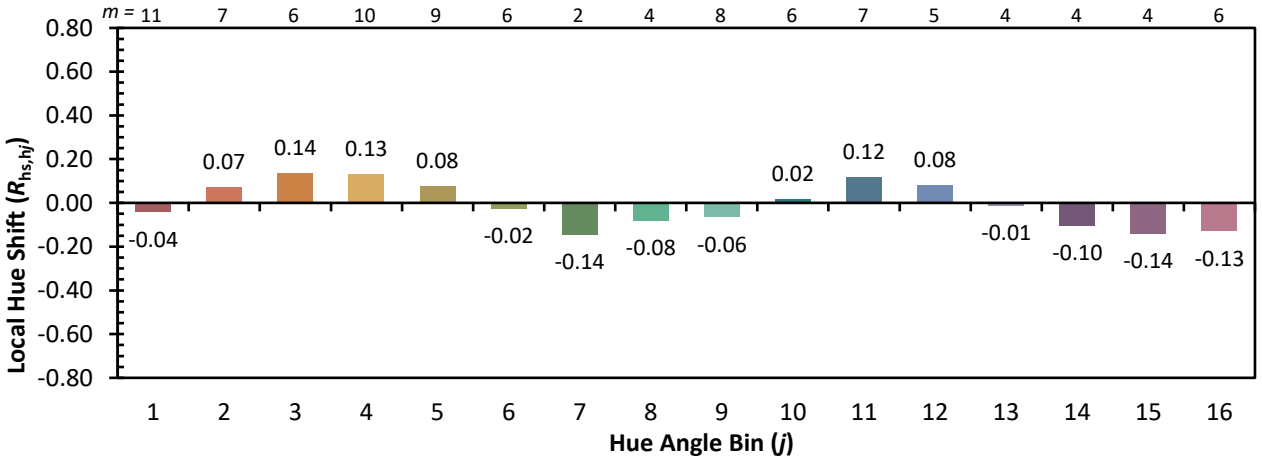


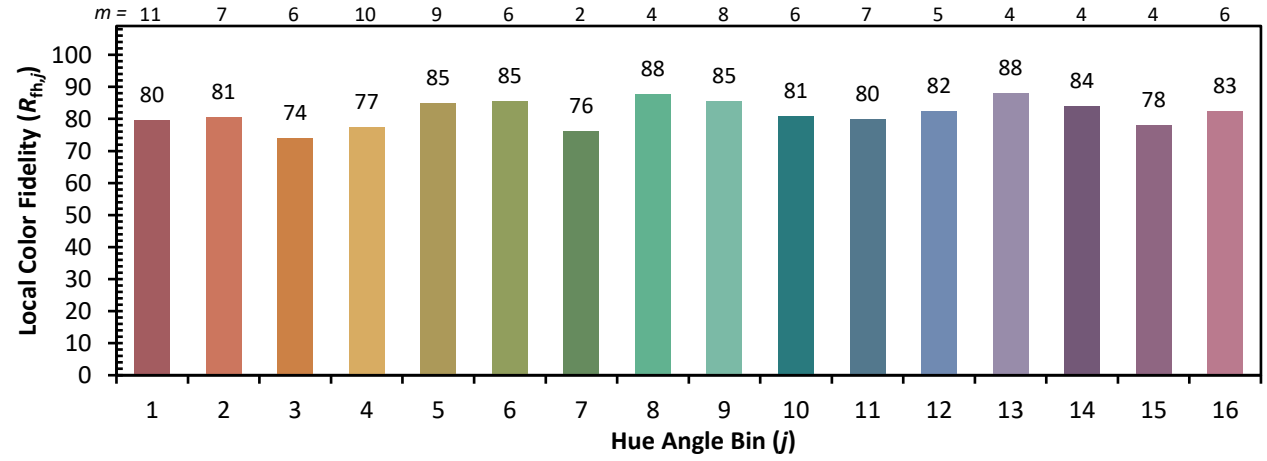
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



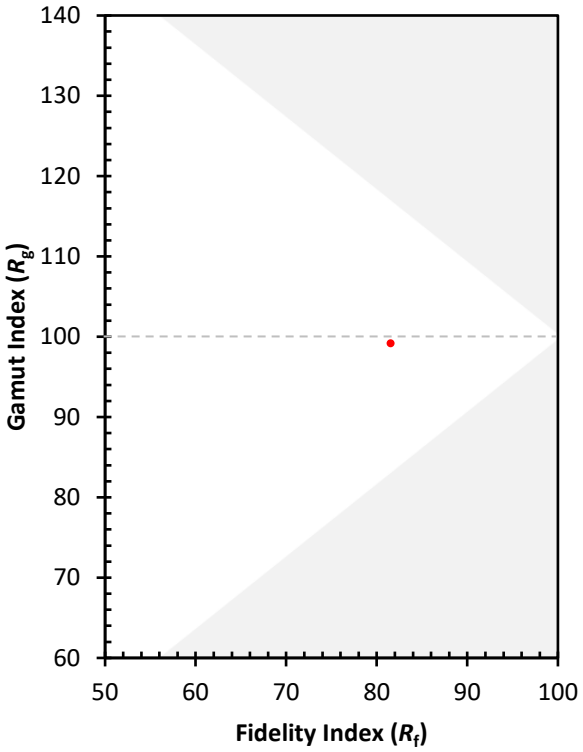


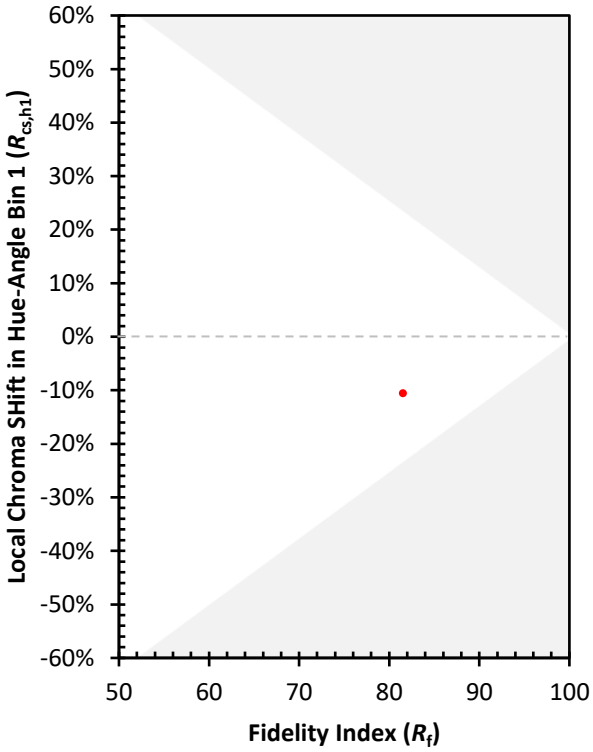


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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