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: P642436

Luminaire Tested: GWS-SA6C-830-U-SL3-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:	P642436
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-SL3-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22101.2 lumens
Efficiency:	N/A
Efficacy:	116.8 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

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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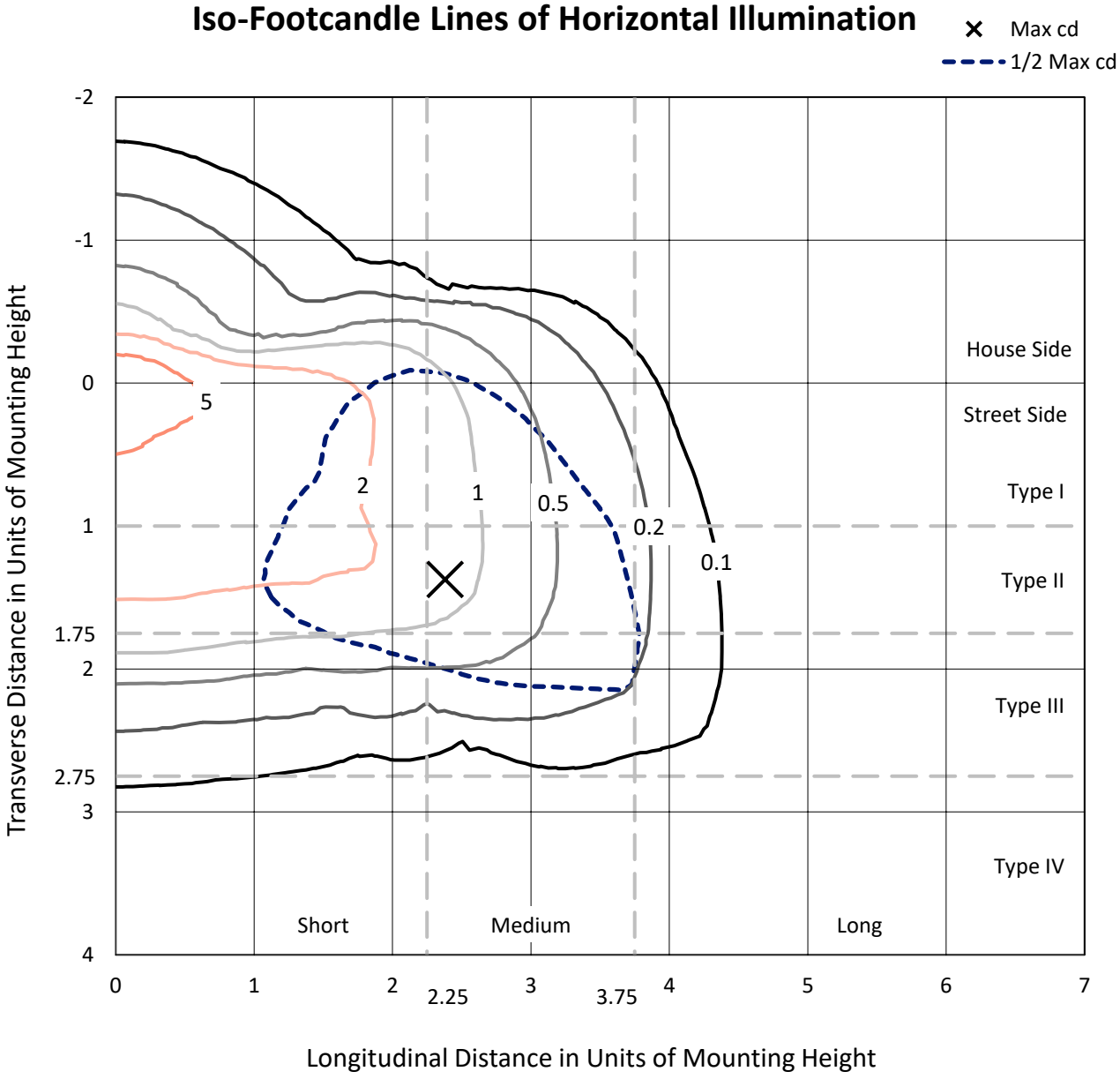
Scaled Data Report

REPORT NUMBER: P642436
CATALOG NUMBER: GWS-SA6C-830-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
Type III - Medium - N/A

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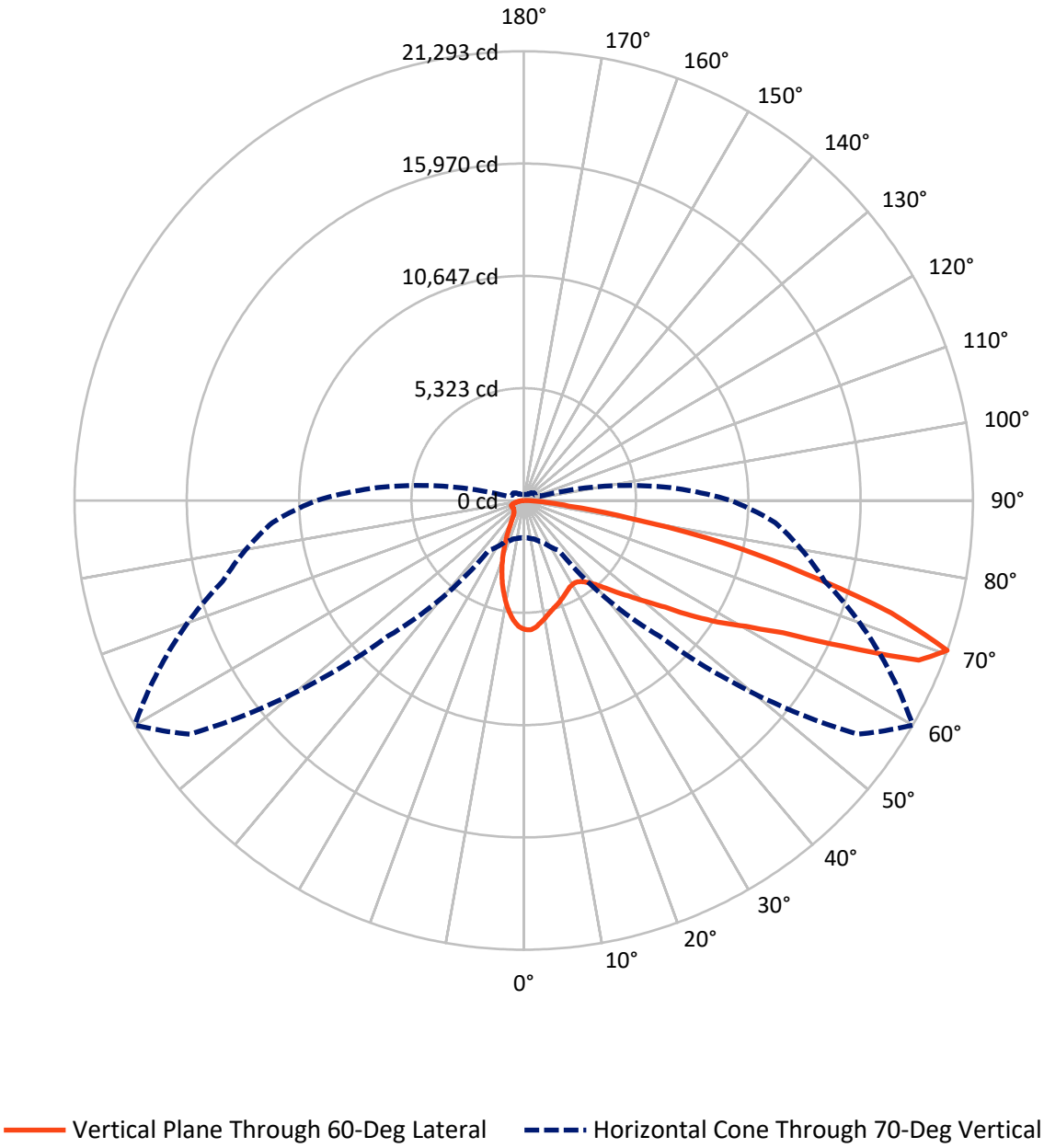
CATALOG NUMBER: GWS-SA6C-830-U-SL3-W

Luminous Intensity Polar Plot



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REPORT NUMBER: P642436
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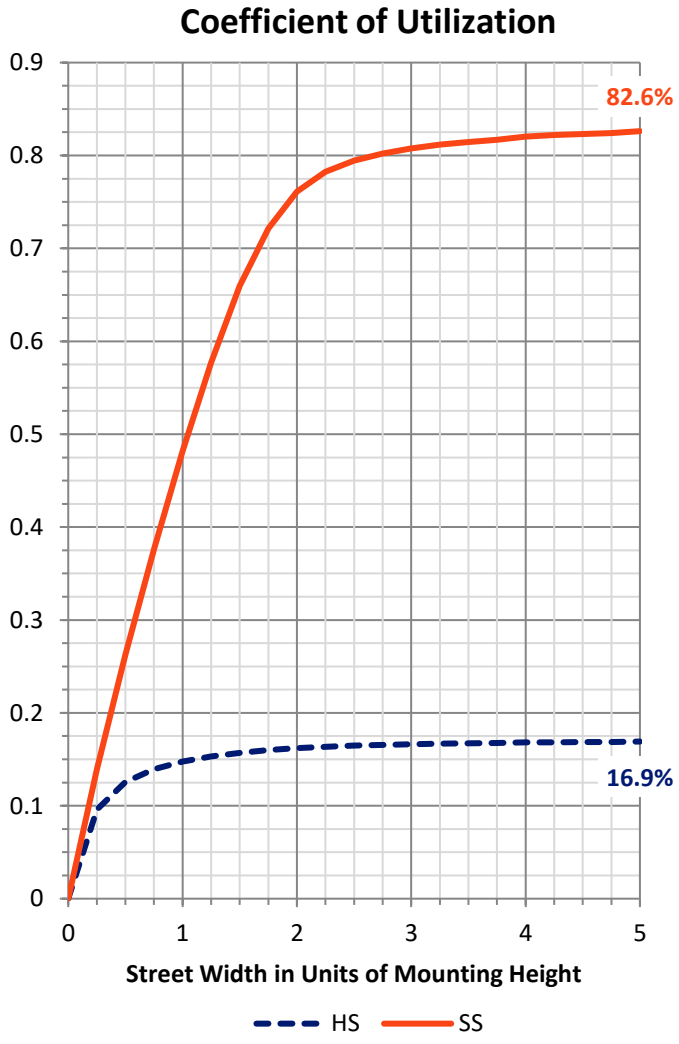
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3779.8	0.0	3779.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	18321.4	0.0	18321.4
	% Fixture	82.9	0.0	82.9
Total	Lumens	22101.2	0.0	22101.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.1	2.4
10°-20°	1181.0	5.3
20°-30°	1512.4	6.8
30°-40°	1987.7	9.0
40°-50°	2883.9	13.0
50°-60°	4499.5	20.4
60°-70°	5890.7	26.7
70°-80°	3257.4	14.7
80°-90°	361.5	1.6
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°	22101.2	100.0
0°-180°	22101.2	100.0



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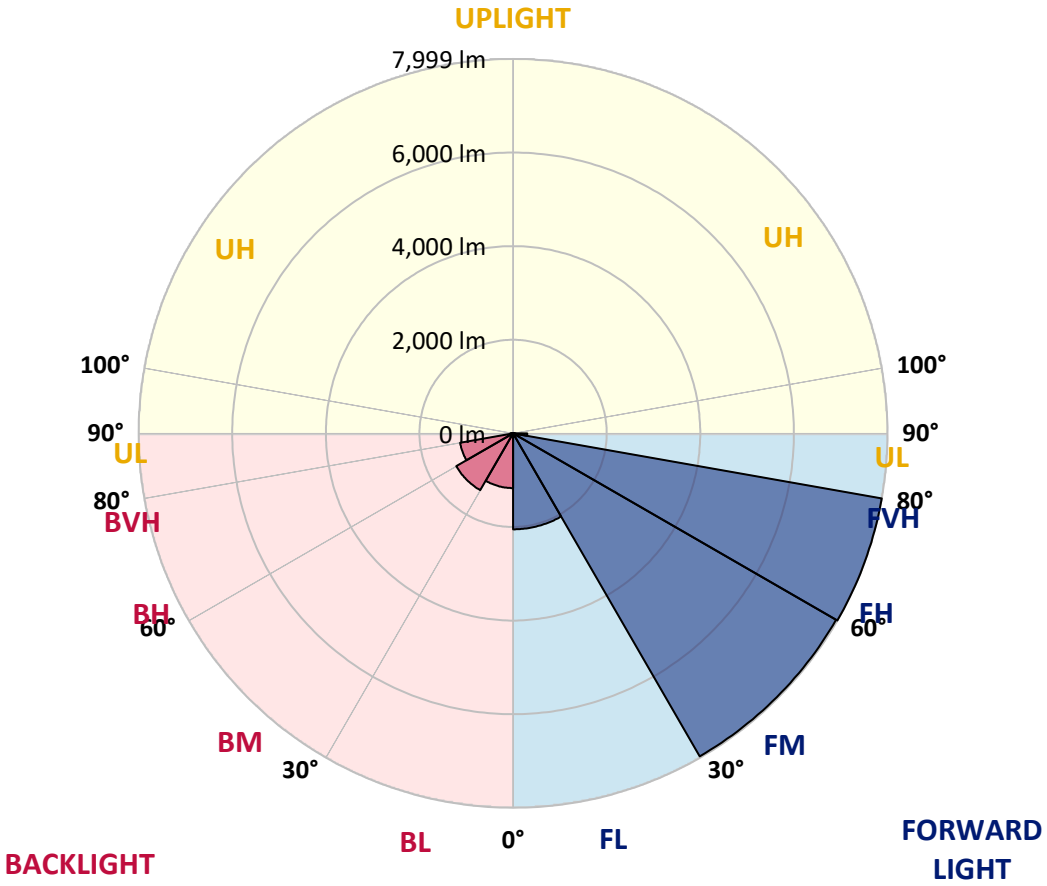
REPORT NUMBER: P642436
CATALOG NUMBER: GWS-SA6C-830-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2051.1	9.3			
FM	(30°-60°)	7969.6	36.1			
FH	(60°-80°)	7999.4	36.2			G4/12000
FVH	(80°-90°)	301.2	1.4			G3/500
BL	(0°-30°)	1169.4	5.3	B3/2500		
BM	(30°-60°)	1401.4	6.3	B2/2500		
BH	(60°-80°)	1148.7	5.2	B3/2500		G3/2500
BVH	(80°-90°)	60.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Medium



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REPORT NUMBER: P642436
CATALOG NUMBER: GWS-SA6C-830-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7
2.5°	6030.0	6036.5	6054.2	6080.1	6106.0	6118.9	6151.3	6141.6	6135.1	6122.2	6106.0
5°	5763.2	5776.1	5792.3	5842.4	5899.0	5944.3	6017.0	6025.1	6028.4	6034.8	6009.0
7.5°	5423.6	5426.8	5465.6	5531.9	5606.3	5683.9	5805.2	5839.2	5868.3	5900.6	5879.6
10°	5048.4	5056.5	5085.6	5181.0	5308.8	5423.6	5586.9	5643.5	5705.0	5776.1	5747.0
12.5°	4741.2	4742.8	4789.7	4891.6	5030.6	5185.9	5389.6	5457.5	5538.4	5650.0	5624.1
15°	4497.0	4497.0	4540.7	4628.0	4788.1	4970.8	5213.4	5300.7	5410.7	5561.0	5515.8
17.5°	4303.0	4304.6	4332.1	4424.3	4566.6	4768.7	5056.5	5174.6	5295.8	5494.7	5426.8
20°	4201.1	4193.0	4197.9	4254.5	4375.7	4571.4	4899.7	5037.1	5200.4	5449.5	5346.0
22.5°	4196.2	4181.7	4160.7	4165.5	4236.7	4398.4	4731.5	4898.0	5103.4	5412.3	5263.5
25°	4278.7	4262.5	4225.4	4183.3	4176.8	4273.9	4573.0	4762.2	5003.2	5396.1	5184.3
27.5°	4417.8	4406.5	4358.0	4294.9	4228.6	4225.4	4453.4	4650.6	4930.4	5412.3	5127.7
30°	4602.1	4582.7	4552.0	4471.1	4370.9	4267.4	4406.5	4590.8	4881.9	5464.0	5103.4
32.5°	4810.7	4799.4	4770.3	4689.4	4582.7	4417.8	4443.7	4603.7	4881.9	5554.6	5108.3
35°	5032.3	5030.6	5030.6	4977.3	4859.2	4653.9	4590.8	4713.7	4956.3	5700.1	5160.0
37.5°	5247.3	5245.7	5297.5	5316.9	5182.6	4961.1	4841.5	4933.6	5119.6	5915.2	5287.8
40°	5422.0	5428.4	5541.6	5638.7	5564.3	5358.9	5190.7	5237.6	5384.8	6220.8	5510.9
42.5°	5598.2	5616.0	5785.8	5957.2	5986.3	5808.4	5638.7	5666.1	5764.8	6625.1	5844.0
45°	5790.7	5798.7	6036.5	6275.8	6416.5	6311.4	6172.3	6209.5	6232.1	7124.7	6340.5
47.5°	5976.6	5997.6	6304.9	6633.1	6900.0	6890.3	6812.6	6801.3	6806.2	7732.7	6927.4
50°	6230.5	6261.2	6621.8	7018.0	7409.3	7588.8	7611.5	7525.8	7490.2	8408.7	7658.4
52.5°	6712.4	6712.4	7035.8	7425.5	7951.0	8395.7	8547.7	8407.0	8293.9	9123.4	8434.5
55°	7315.5	7341.4	7598.5	7913.8	8580.1	9244.7	9758.9	9603.7	9283.5	9901.2	9247.9
57.5°	7584.0	7616.3	8023.8	8513.8	9403.2	10210.1	10923.2	10868.2	10400.9	10709.7	10092.0
60°	7098.9	7166.8	7727.9	8549.4	10148.6	11767.3	12270.2	12110.1	11442.3	11558.7	11007.3
62.5°	5921.6	5996.0	6618.6	7765.1	10045.1	13450.6	14393.4	13803.1	12742.4	12630.8	12226.5
65°	3533.3	3530.0	4278.7	5798.7	8769.3	13918.0	17753.6	16652.4	14750.7	14102.3	13481.4
67.5°	2246.1	2241.2	2398.1	3072.4	5835.9	12773.1	19914.0	20200.2	17478.7	15184.1	13584.8
70°	1772.3	1770.7	1883.9	2191.1	2886.4	9089.4	19312.4	21293.3	19126.5	14771.8	11961.3
72.5°	1292.0	1295.3	1469.9	1835.4	2226.7	4563.3	15638.5	18219.3	17591.9	13039.9	9710.4
75°	928.2	933.0	1038.1	1405.2	2053.7	2495.1	10399.3	13699.7	13384.3	10452.6	6680.0
77.5°	590.2	596.7	688.9	984.8	1659.1	2014.8	6304.9	9671.6	8905.1	5889.3	2375.4
80°	360.6	381.6	459.2	734.1	1326.0	1511.9	3151.6	5095.3	4459.8	1615.4	798.8
82.5°	186.0	202.1	276.5	454.4	913.6	1327.6	1783.6	2141.0	1381.0	675.9	425.3
85°	58.2	67.9	97.0	184.3	435.0	823.1	1180.4	1064.0	633.9	318.6	197.3
87.5°	14.6	14.6	16.2	16.2	17.8	37.2	228.0	240.9	168.2	100.3	80.9
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: P642436
CATALOG NUMBER: GWS-SA6C-830-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7	6115.7
2.5°	6073.6	6034.8	6018.7	6017.0	5976.6	5918.4	5879.6	5852.1	5835.9	5832.7	5832.7
5°	5965.3	5915.2	5848.9	5798.7	5690.4	5580.4	5488.3	5436.5	5376.7	5368.6	5367.0
7.5°	5821.4	5748.6	5622.5	5481.8	5292.6	5109.9	4954.6	4849.5	4744.4	4725.0	4718.6
10°	5666.1	5567.5	5352.4	5105.0	4822.0	4548.8	4311.1	4125.1	4002.2	3914.9	3898.7
12.5°	5512.5	5381.5	5066.2	4697.5	4309.4	3935.9	3578.5	3274.5	3054.6	2926.9	2904.2
15°	5368.6	5185.9	4754.1	4283.6	3779.0	3268.1	2761.9	2367.4	2058.5	1948.5	1922.7
17.5°	5237.6	5009.6	4451.7	3855.1	3226.0	2558.2	1982.5	1631.6	1450.5	1395.5	1382.6
20°	5106.6	4828.5	4144.5	3403.9	2639.0	1890.3	1448.9	1283.9	1216.0	1195.0	1188.5
22.5°	4966.0	4629.6	3809.8	2959.2	2045.6	1414.9	1185.3	1112.5	1091.5	1093.1	1091.5
25°	4825.3	4427.5	3458.9	2475.7	1523.3	1148.1	1034.9	1007.4	1012.3	1026.8	1030.1
27.5°	4708.9	4248.0	3114.4	1945.3	1190.1	988.0	934.7	933.0	950.8	970.2	973.5
30°	4624.8	4087.9	2774.9	1495.8	979.9	878.1	857.0	866.7	887.8	902.3	907.2
32.5°	4564.9	3950.5	2412.6	1175.6	858.7	800.4	790.7	800.4	813.4	827.9	831.2
35°	4543.9	3850.2	2056.9	958.9	776.2	743.8	737.4	742.2	748.7	756.8	760.0
37.5°	4590.8	3800.1	1685.0	834.4	726.1	706.7	696.9	693.7	695.3	698.6	700.2
40°	4729.9	3822.7	1381.0	761.6	693.7	675.9	659.8	653.3	651.7	654.9	653.3
42.5°	4969.2	3918.1	1161.0	719.6	667.8	642.0	624.2	617.7	617.7	625.8	625.8
45°	5320.1	4105.7	1002.6	688.9	645.2	612.9	593.5	590.2	596.7	609.6	611.2
47.5°	5834.3	4380.6	907.2	666.2	624.2	587.0	567.6	566.0	578.9	599.9	601.5
50°	6443.9	4776.8	855.4	650.1	609.6	566.0	546.6	548.2	562.7	585.4	590.2
52.5°	7178.1	5316.9	858.7	643.6	601.5	553.0	533.6	530.4	544.9	567.6	572.4
55°	7936.5	5973.4	921.7	645.2	590.2	546.6	520.7	509.4	522.3	538.5	540.1
57.5°	8770.9	6714.0	1078.6	642.0	575.7	540.1	509.4	483.5	491.6	501.3	506.1
60°	9712.0	7585.6	1416.5	648.4	569.2	525.5	486.7	452.8	451.2	457.6	459.2
62.5°	10970.1	8770.9	1796.5	659.8	583.8	507.8	452.8	417.2	410.7	414.0	415.6
65°	11932.2	9336.9	1676.9	650.1	614.5	494.8	420.4	383.2	370.3	367.1	367.1
67.5°	11540.9	8588.2	1167.5	624.2	629.0	496.4	394.6	347.7	331.5	323.4	321.8
70°	*9820.4*	*6976.0*	*811.8*	*598.3*	*612.9*	*493.2*	*367.1*	*318.6*	*297.5*	*286.2*	*284.6*
72.5°	7758.6	5326.6	656.5	546.6	556.3	444.7	326.6	286.2	268.4	253.9	253.9
75°	4993.5	3250.3	548.2	486.7	454.4	346.0	283.0	255.5	237.7	223.2	223.2
77.5°	1680.1	1206.3	425.3	412.3	339.6	260.3	237.7	219.9	205.4	192.4	190.8
80°	682.4	572.4	312.1	312.1	237.7	198.9	186.0	177.9	168.2	152.0	152.0
82.5°	396.2	347.7	218.3	189.2	158.5	137.4	129.4	121.3	121.3	110.0	110.0
85°	190.8	192.4	131.0	116.4	90.6	79.2	76.0	71.2	69.5	63.1	61.4
87.5°	103.5	105.1	66.3	51.7	35.6	30.7	25.9	24.3	22.6	21.0	21.0
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

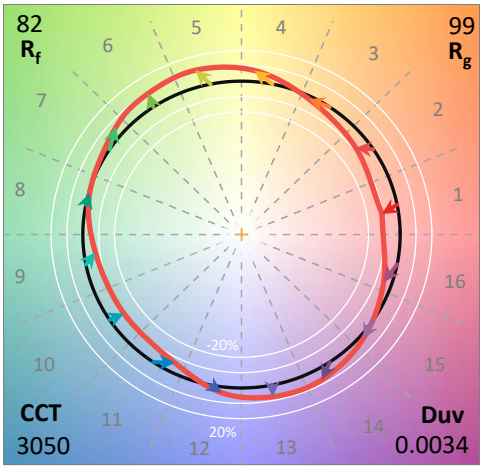
Test Information

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

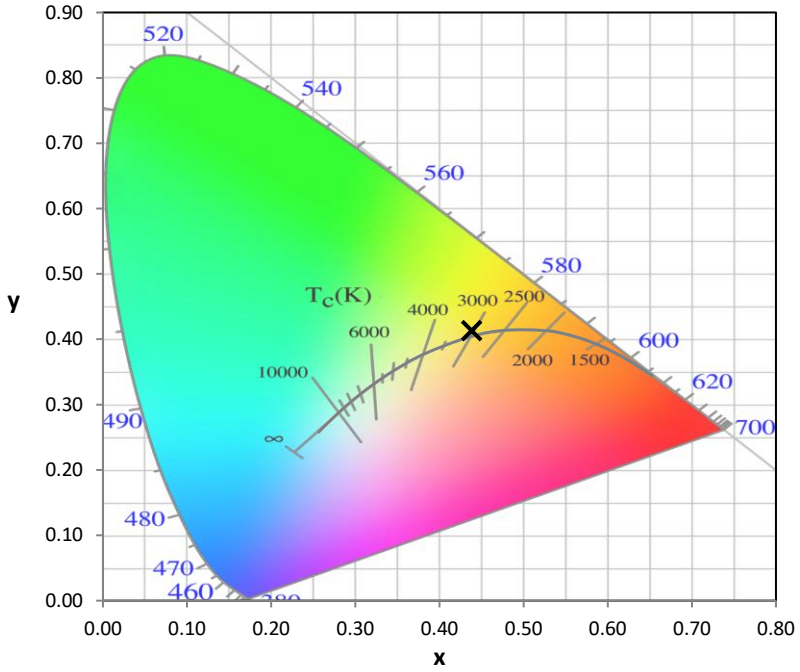
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

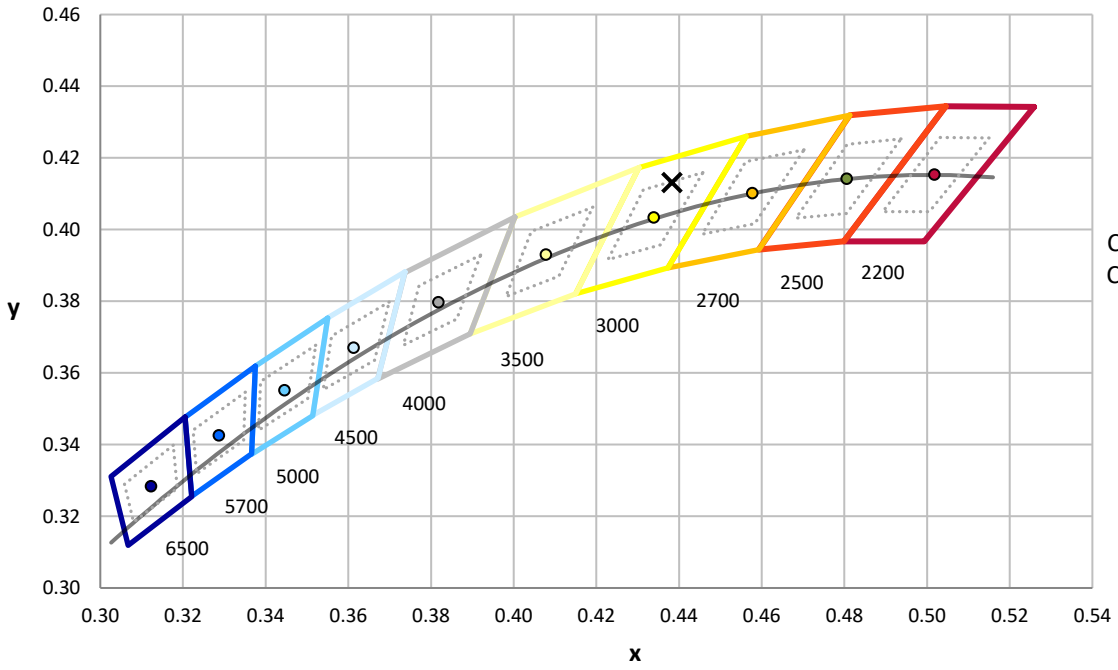
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

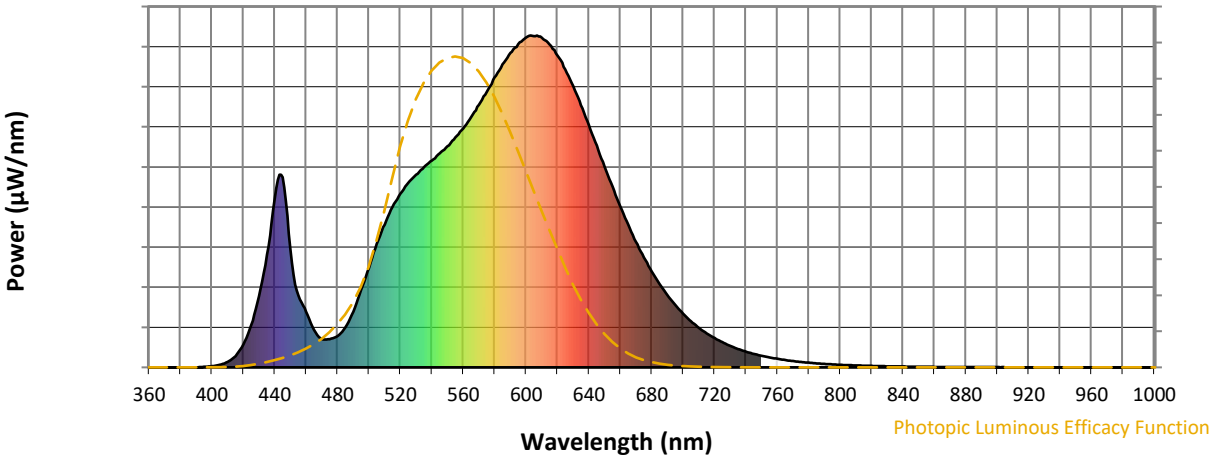


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

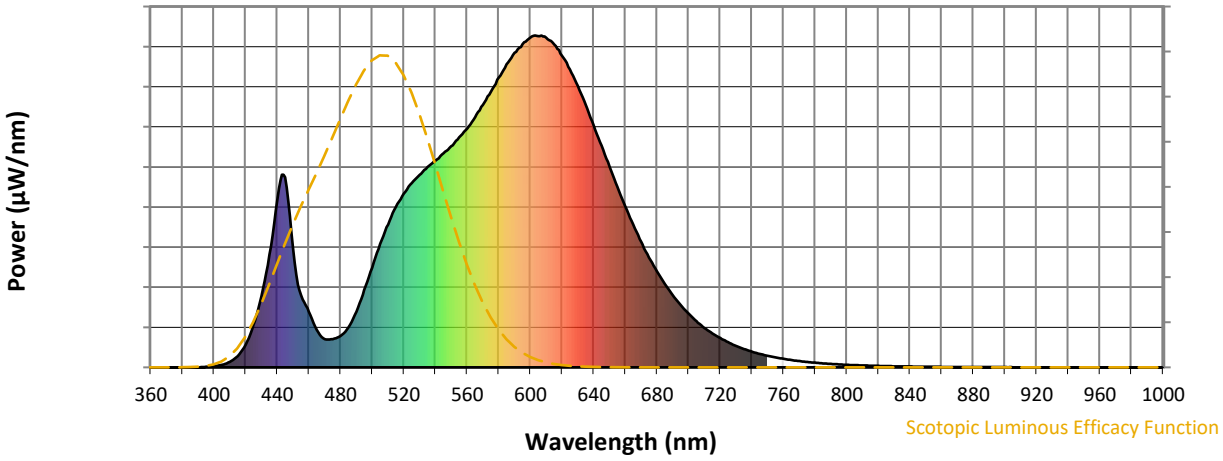


Photopic Lumens: NR

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

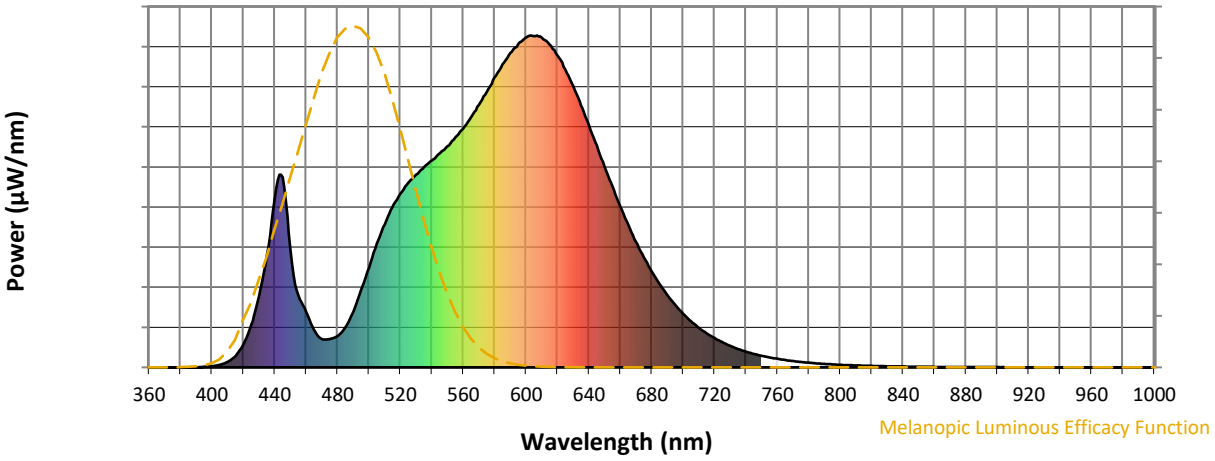


Scotopic Lumens: NR **S/P: 1.27**

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			

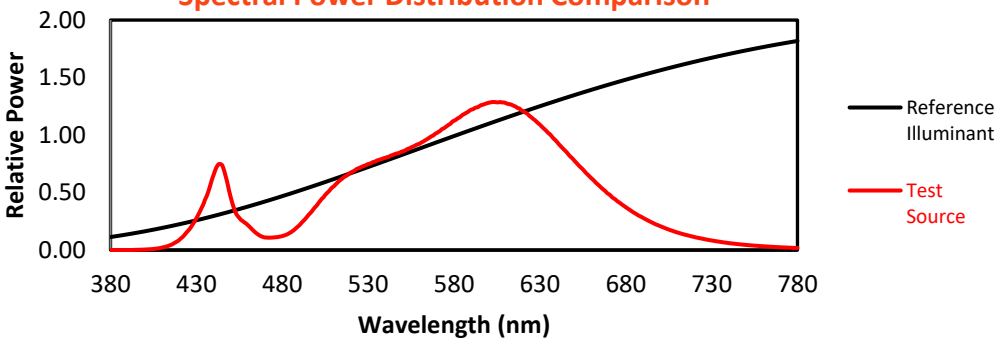
REPORT NUMBER: SP1-2408-195-9

TM-30-18

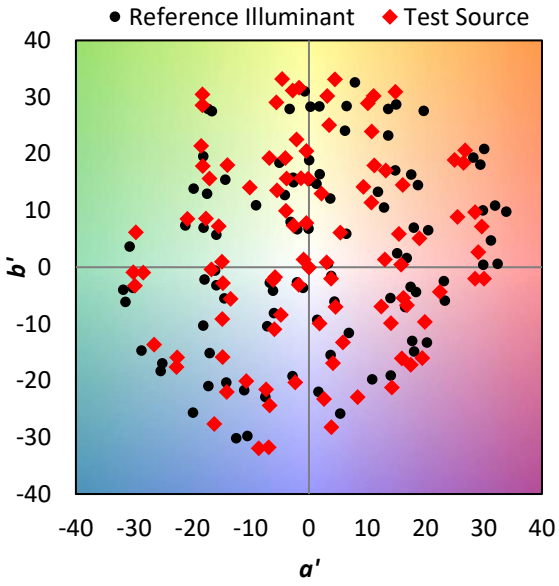
Summary

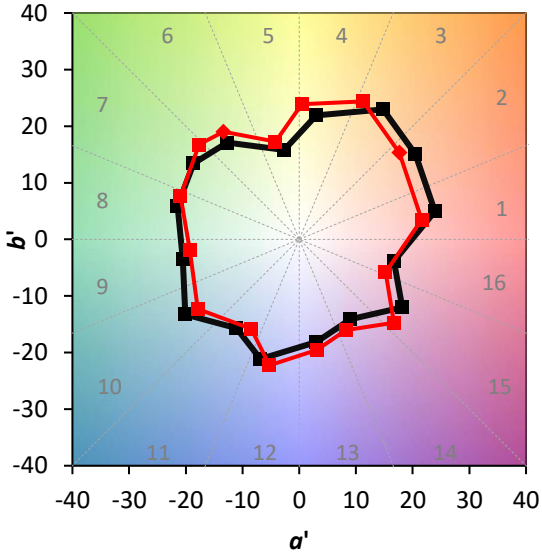
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

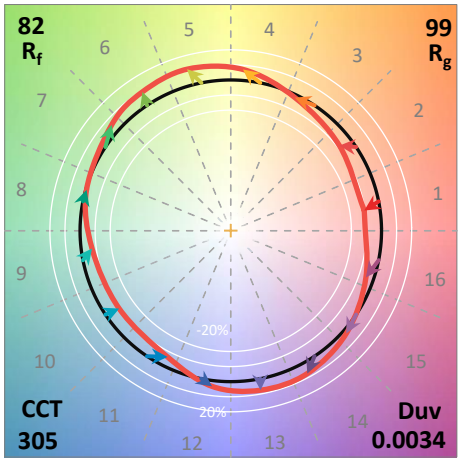
Spectral Power Distribution Comparison

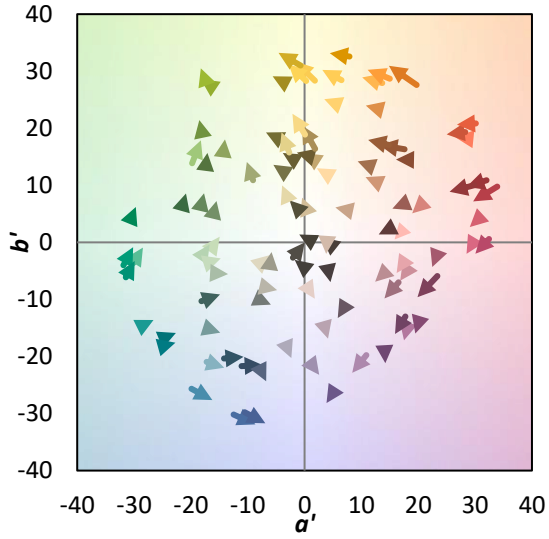


Color Vector Graphics







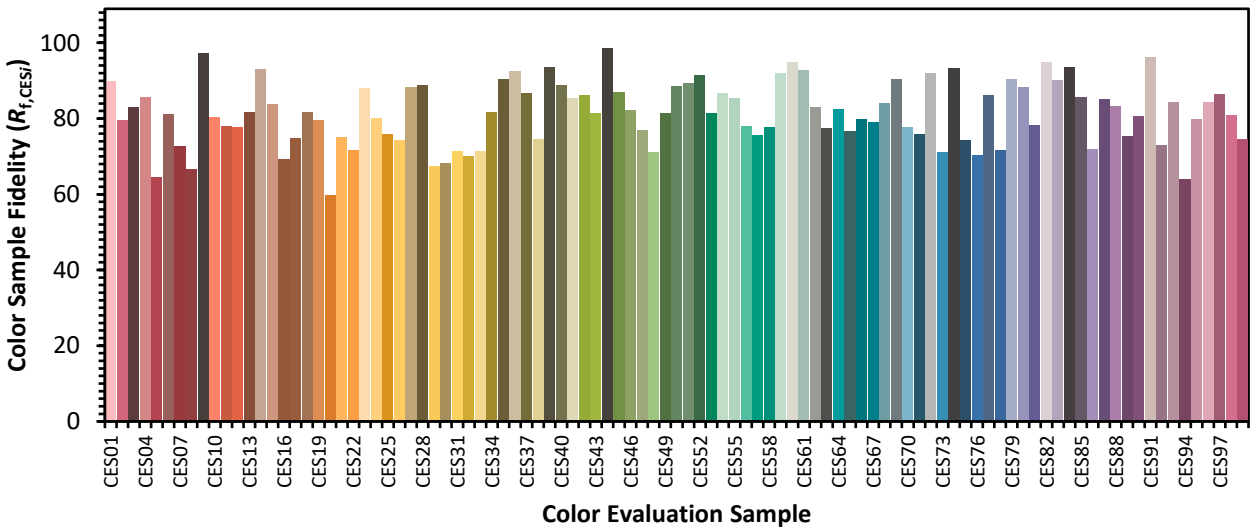


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

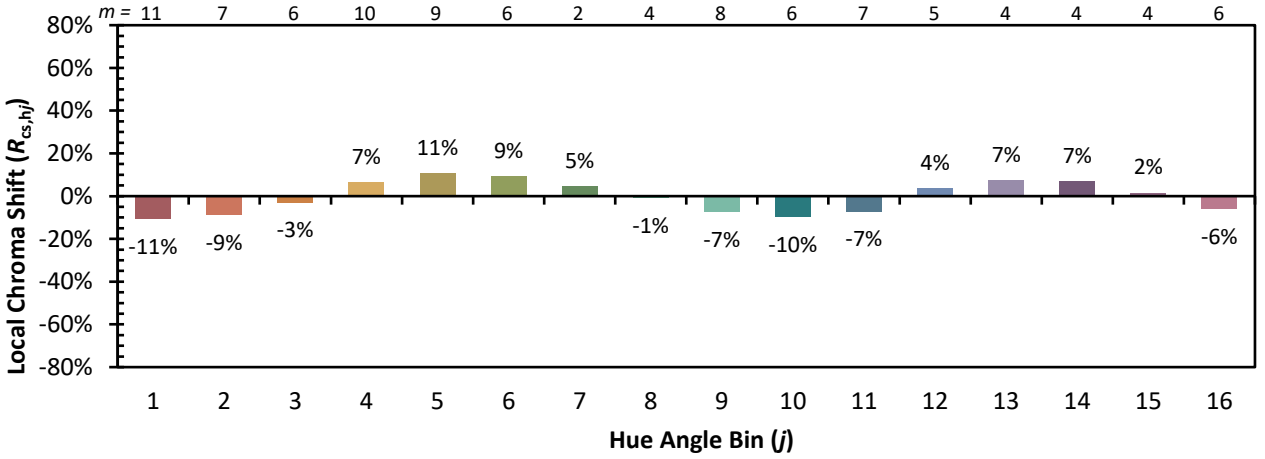
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

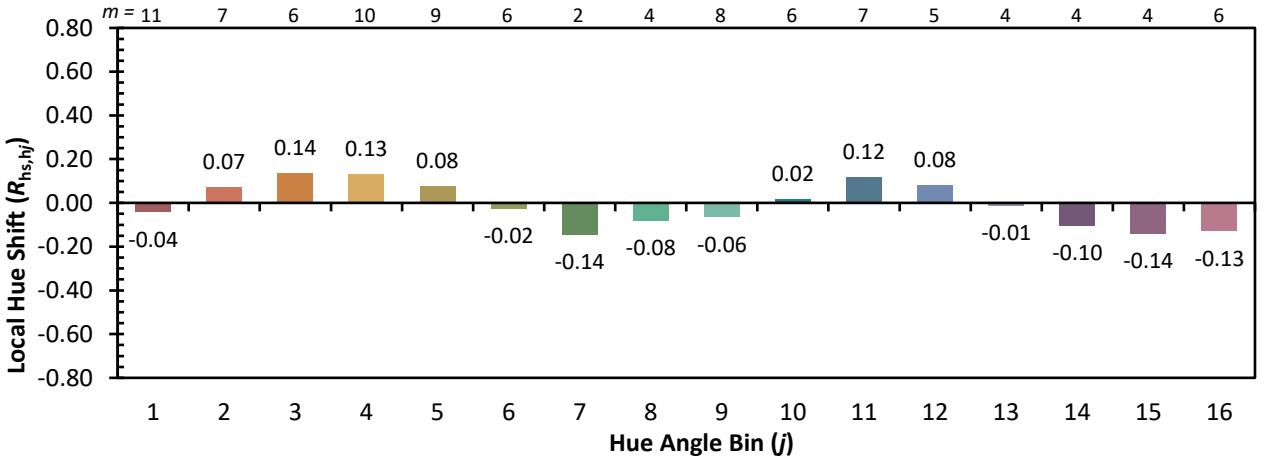


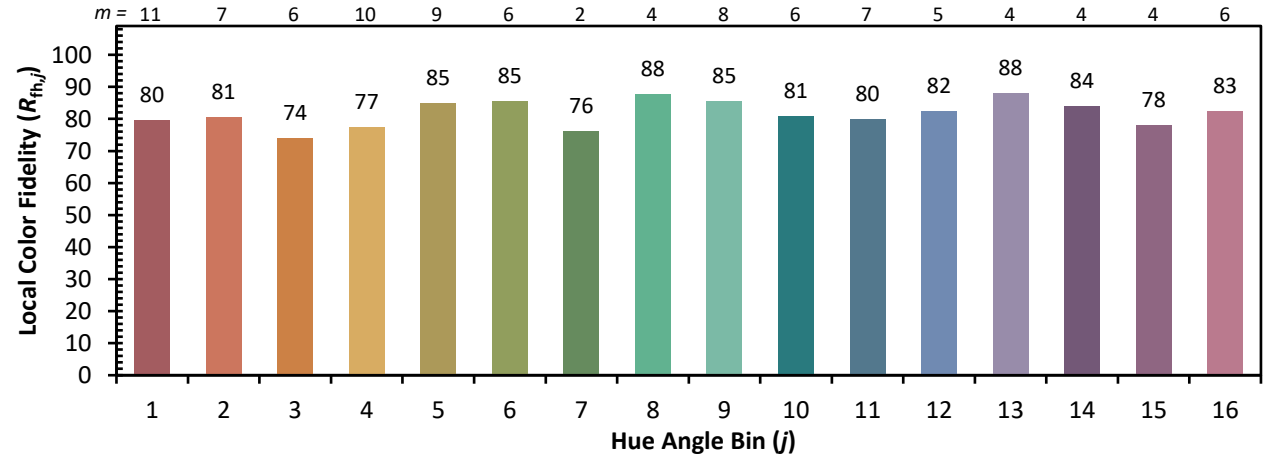
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



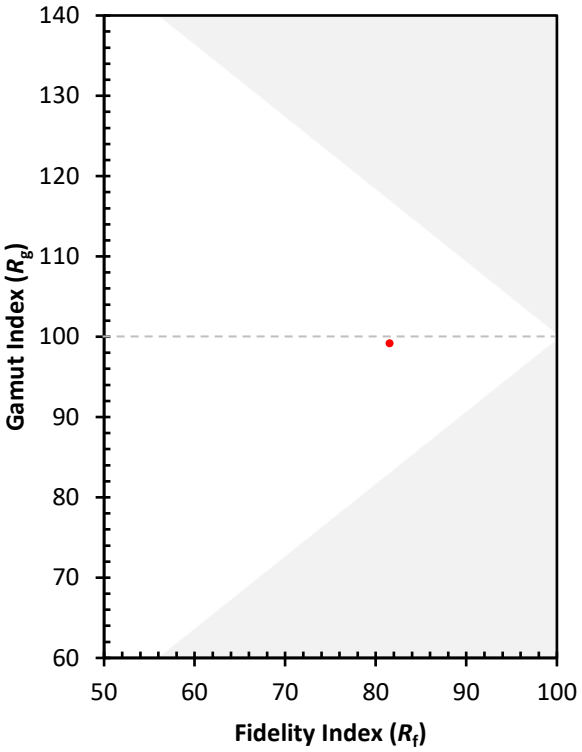


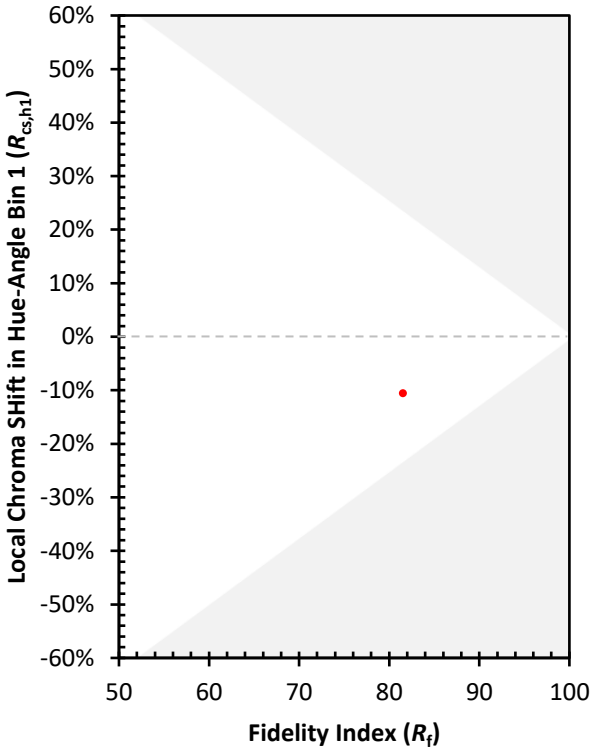


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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