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: P642427

Luminaire Tested: GWS-SA6C-830-U-RW-W-GRSWH

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:	P642427
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-RW-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19884.3 lumens
Efficiency:	N/A
Efficacy:	105.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G1

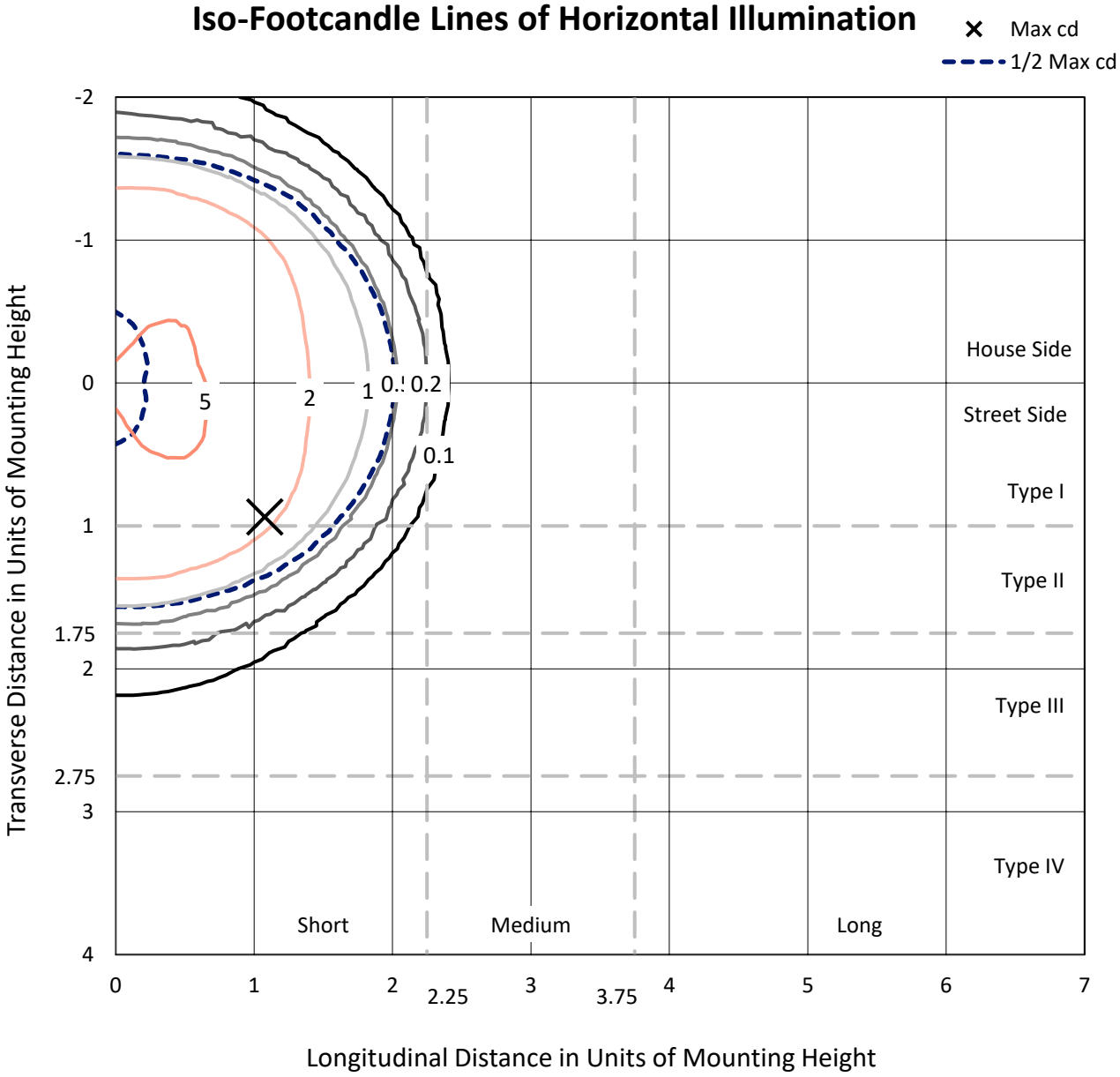
Input Watts (W):	189.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P642427
CATALOG NUMBER: GWS-SA6C-830-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



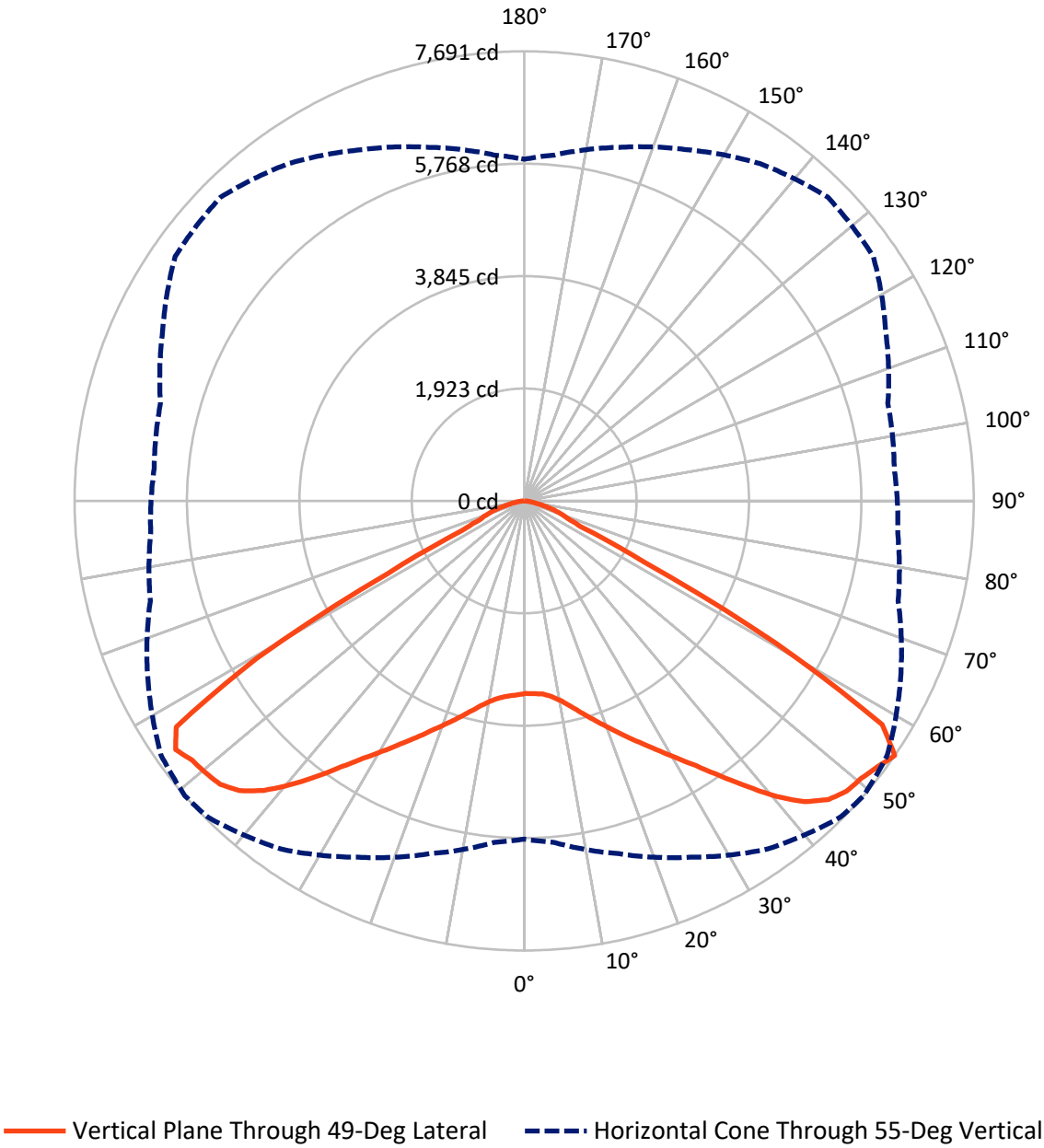
Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
Type V - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P642427
CATALOG NUMBER: GWS-SA6C-830-U-RW-W-GRSWH

Luminous Intensity Polar Plot



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

Scaled Data Report

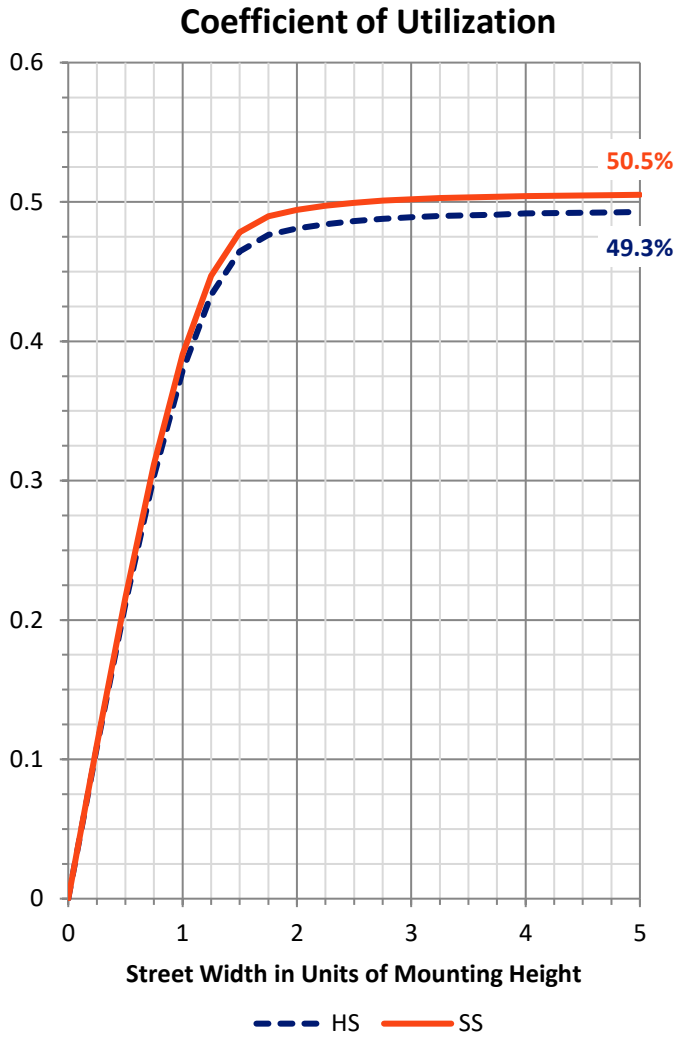
REPORT NUMBER: P642427
CATALOG NUMBER: GWS-SA6C-830-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9844.6	0.0	9844.6
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	10039.7	0.0	10039.7
	% Fixture	50.5	0.0	50.5
Total	Lumens	19884.3	0.0	19884.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.3	1.6
10°-20°	1059.9	5.3
20°-30°	2018.8	10.2
30°-40°	3422.2	17.2
40°-50°	5150.2	25.9
50°-60°	5637.4	28.4
60°-70°	1782.6	9.0
70°-80°	427.8	2.2
80°-90°	64.2	0.3
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°	19884.3	100.0
0°-180°	19884.3	100.0



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

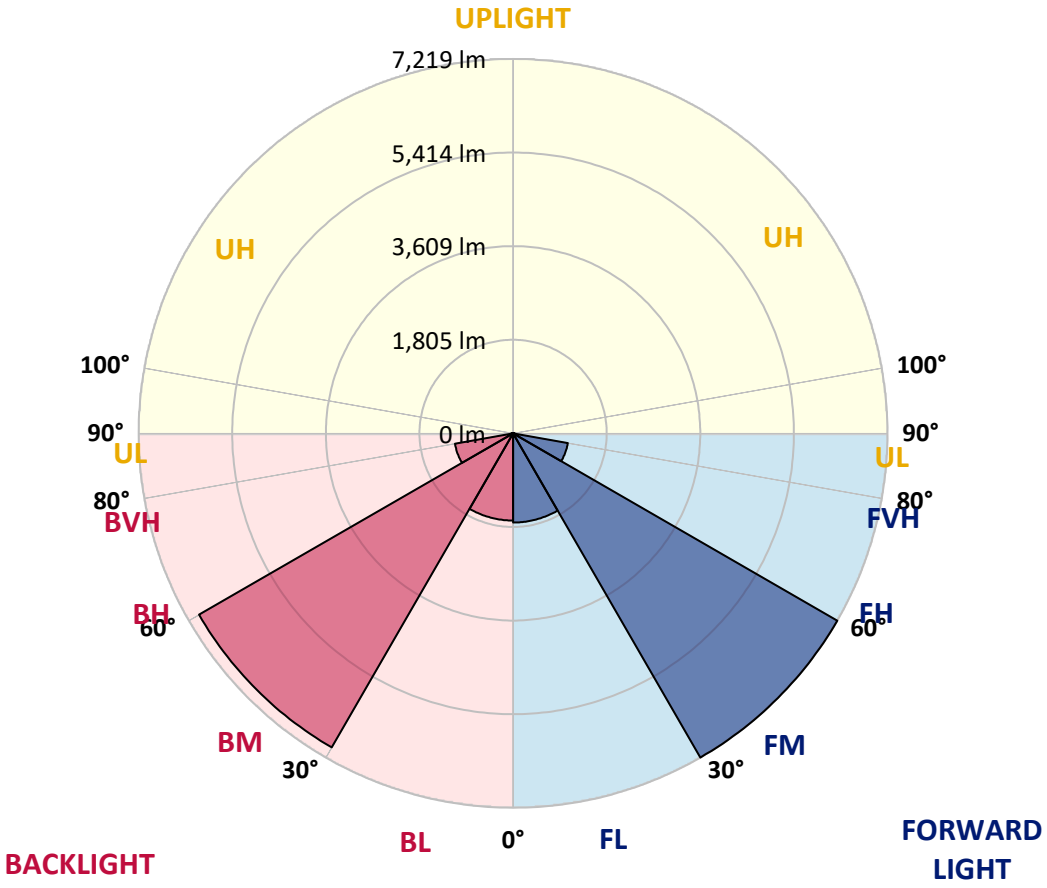
Scaled Data Report

REPORT NUMBER: P642427
CATALOG NUMBER: GWS-SA6C-830-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1719.2	8.6			
FM	(30°-60°)	7218.6	36.3			
FH	(60°-80°)	1072.2	5.4			G1/1800
FVH	(80°-90°)	29.7	0.1			G1/100
BL	(0°-30°)	1680.8	8.5	B3/2500		
BM	(30°-60°)	6991.2	35.2	B4/8500		
BH	(60°-80°)	1138.1	5.7	B3/2500		G1/1800
BVH	(80°-90°)	34.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
Type V Short



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

Scaled Data Report

REPORT NUMBER: P642427
CATALOG NUMBER: GWS-SA6C-830-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3294.0	3294.0	3294.0	3294.0	3294.0	3294.0	*3294.0*	3294.0	3294.0	3294.0	3294.0
2.5°	3245.4	3248.7	3255.1	3266.5	3277.8	3294.0	*3300.4*	3308.5	3306.9	3316.6	3316.6
5°	3229.3	3234.1	3243.8	3260.0	3279.4	3310.1	*3318.2*	3337.6	3357.0	3381.3	3389.4
7.5°	3248.7	3255.1	3266.5	3292.3	3321.4	3361.9	*3378.0*	3410.4	3447.6	3491.2	3509.0
10°	3285.9	3294.0	3313.4	3355.4	3402.3	3463.7	*3478.3*	3518.7	3578.6	3638.4	3674.0
12.5°	3327.9	3340.8	3376.4	3442.7	3512.3	3593.1	*3615.8*	3665.9	3730.6	3808.2	3856.7
15°	3376.4	3387.7	3442.7	3536.5	3644.9	3751.6	*3777.5*	3826.0	3898.7	3974.7	4042.7
17.5°	3478.3	3497.7	3562.4	3670.7	3796.9	3923.0	*3952.1*	4007.1	4065.3	4125.1	4189.8
20°	3617.4	3633.5	3716.0	3850.2	3999.0	4113.8	*4142.9*	4191.4	4218.9	4249.6	4304.6
22.5°	3756.4	3779.1	3872.9	4031.3	4206.0	4330.5	*4353.1*	4398.4	4379.0	4369.3	4404.9
25°	3929.5	3960.2	4052.4	4225.4	4403.3	4556.9	*4574.7*	4613.5	4581.1	4531.0	4529.4
27.5°	4144.5	4172.0	4267.4	4445.3	4621.6	4781.7	*4815.6*	4867.4	4796.2	4734.8	4691.1
30°	4400.0	4417.8	4522.9	4712.1	4893.2	5045.2	*5088.9*	5140.6	5087.3	4985.4	4941.7
32.5°	4697.6	4721.8	4843.1	5042.0	5203.7	5355.7	*5399.4*	5464.1	5405.8	5291.0	5236.0
35°	5054.9	5079.2	5206.9	5423.6	5588.6	5745.4	*5776.1*	5829.5	5756.7	5624.1	5580.5
37.5°	5443.0	5473.8	5635.5	5840.8	6013.9	6196.6	*6198.2*	6214.4	6110.9	5945.9	5897.4
40°	5879.6	5920.1	6081.8	6295.2	6503.8	6652.6	*6651.0*	6605.7	6431.1	6175.6	6101.2
42.5°	6311.4	6343.7	6507.1	6727.0	6935.6	7076.3	*7034.2*	6924.3	6672.0	6324.3	6225.7
45°	6623.5	6647.7	6819.1	7066.6	7278.4	7365.7	*7289.7*	7157.1	6815.9	6418.1	6272.6
47.5°	6770.6	6803.0	6976.0	7221.8	7461.1	7511.3	*7420.7*	7296.2	6900.0	6505.4	6309.8
50°	6691.4	6733.4	6929.1	7157.1	7427.2	7530.7	*7466.0*	7341.5	6988.9	6591.1	6376.1
52.5°	6486.0	6526.5	6773.9	7050.4	7356.0	7561.4	*7559.8*	7457.9	7090.8	6615.4	6379.3
55°	*5784.2*	*5863.5*	*6248.3*	*6725.4*	*7268.7*	*7651.9*	*7690.7*	*7582.4*	*7107.0*	*6621.9*	*6413.3*
57.5°	3764.5	3903.6	4269.0	4890.0	5979.9	6959.8	*7221.8*	7247.7	6990.6	6594.4	6419.7
60°	1571.8	1683.4	1972.8	2385.2	3285.9	4451.8	*4959.5*	5468.9	6083.4	6306.5	6359.9
62.5°	976.7	986.4	1015.5	1109.3	1410.1	1979.3	*2305.9*	2783.0	3696.6	4474.4	4833.4
65°	881.3	886.1	892.6	886.1	900.7	970.2	*1057.6*	1224.1	1596.0	1982.5	2441.8
67.5°	776.2	782.7	787.5	782.7	787.5	790.7	*800.4*	815.0	882.9	937.9	979.9
70°	627.4	637.1	645.2	642.0	661.4	661.4	*671.1*	682.4	716.4	756.8	785.9
72.5°	478.7	470.6	480.3	483.5	501.3	511.0	*525.5*	538.5	577.3	601.5	638.7
75°	310.5	302.4	316.9	325.0	349.3	362.2	*375.2*	388.1	415.6	431.8	467.3
77.5°	168.2	166.6	181.1	192.4	218.3	234.5	*244.2*	253.9	276.5	281.4	304.0
80°	97.0	97.0	106.7	114.8	131.0	148.8	*158.5*	166.6	182.7	187.6	197.3
82.5°	53.4	53.4	58.2	63.1	76.0	85.7	*93.8*	100.3	114.8	119.7	124.5
85°	25.9	24.3	27.5	30.7	35.6	40.4	*45.3*	48.5	59.8	63.1	69.5
87.5°	3.2	3.2	3.2	4.9	6.5	9.7	*11.3*	11.3	17.8	21.0	24.3
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: P642427
CATALOG NUMBER: GWS-SA6C-830-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3294.0	3294.0	3294.0	3294.0	3294.0	3294.0	3294.0	3294.0	3294.0	3294.0	3294.0
2.5°	3326.3	3305.3	3318.2	3323.1	3323.1	3318.2	3297.2	3290.7	3281.0	3266.5	3266.5
5°	3400.7	3384.5	3387.7	3379.7	3360.3	3336.0	3297.2	3277.8	3261.6	3243.8	3242.2
7.5°	3528.4	3507.4	3504.2	3473.4	3421.7	3370.0	3311.7	3276.2	3251.9	3229.3	3227.7
10°	3695.0	3675.6	3651.3	3589.9	3513.9	3437.9	3358.6	3310.1	3274.6	3242.2	3240.6
12.5°	3880.9	3858.3	3813.0	3722.5	3627.1	3552.7	3462.1	3387.7	3334.4	3290.7	3282.6
15°	4083.1	4050.7	3973.1	3866.4	3772.6	3693.4	3596.3	3489.6	3408.8	3339.2	3331.1
17.5°	4238.3	4196.3	4112.2	4011.9	3934.3	3855.1	3728.9	3594.7	3478.3	3391.0	3378.0
20°	4345.0	4311.1	4215.7	4141.3	4096.0	4026.5	3879.3	3727.3	3596.3	3486.4	3479.9
22.5°	4443.7	4403.3	4309.5	4265.8	4265.8	4218.9	4078.2	3898.7	3745.1	3617.4	3601.2
25°	4555.3	4511.6	4440.5	4435.6	4458.2	4437.2	4267.4	4075.0	3895.5	3751.6	3725.7
27.5°	4710.5	4662.0	4619.9	4649.1	4681.4	4658.8	4469.6	4246.4	4057.2	3911.7	3889.0
30°	4957.9	4898.1	4859.3	4894.8	4957.9	4891.6	4686.2	4450.2	4259.3	4099.3	4087.9
32.5°	5245.7	5177.8	5137.4	5194.0	5250.6	5147.1	4943.4	4717.0	4516.5	4348.3	4328.9
35°	5591.8	5506.1	5446.3	5522.3	5580.5	5478.6	5276.5	5061.4	4838.2	4663.6	4637.7
37.5°	5899.0	5795.5	5755.1	5861.8	5939.5	5873.2	5653.2	5451.1	5206.9	5016.1	5004.8
40°	6122.2	6020.3	5991.2	6167.5	6303.3	6287.1	6089.9	5858.6	5629.0	5409.1	5388.0
42.5°	6219.2	6148.1	6154.5	6392.2	6602.5	6706.0	6529.7	6282.3	6060.7	5832.7	5818.2
45°	6240.2	6196.6	6248.3	6545.9	6822.4	7034.2	6883.8	6676.8	6426.2	6206.3	6199.8
47.5°	6262.9	6238.6	6317.9	6633.2	6961.5	7207.2	7123.2	6909.7	6655.8	6440.8	6424.6
50°	6316.2	6306.5	6395.5	6694.6	7027.8	7254.1	7158.7	6946.9	6686.6	6474.7	6435.9
52.5°	6332.4	6316.2	6444.0	6790.0	7137.7	7252.5	7047.2	6770.6	6508.7	6272.6	6232.2
55°	*6382.5*	*6353.4*	*6440.8*	*6825.6*	*7289.7*	*7346.3*	*7040.7*	*6626.7*	*6261.3*	*5939.5*	*5844.1*
57.5°	6395.5	6363.1	6419.7	6767.4	7124.8	7074.6	6188.5	5347.6	4658.8	4301.4	4341.8
60°	6325.9	6335.6	6238.6	6199.8	5714.7	5045.2	3788.8	3028.8	2378.7	2103.8	2163.6
62.5°	4815.6	4856.0	4524.5	3934.3	3025.5	2398.1	1586.3	1232.2	1043.0	994.5	1002.6
65°	2430.4	2485.4	2141.0	1770.7	1316.3	1064.0	920.1	891.0	881.3	870.0	870.0
67.5°	962.2	978.3	965.4	903.9	840.9	818.2	811.8	808.5	797.2	790.7	792.4
70°	773.0	785.9	766.5	727.7	701.8	700.2	697.0	690.5	682.4	682.4	687.3
72.5°	630.7	643.6	616.1	591.8	572.4	557.9	549.8	544.9	533.6	533.6	538.5
75°	464.1	472.2	449.5	446.3	425.3	410.7	397.8	391.3	376.8	370.3	375.2
77.5°	308.9	307.2	295.9	295.9	287.8	270.0	255.5	240.9	221.5	208.6	211.8
80°	200.5	200.5	195.7	195.7	187.6	173.0	155.2	140.7	129.4	119.7	119.7
82.5°	127.7	126.1	124.5	122.9	119.7	105.1	92.2	82.5	74.4	67.9	69.5
85°	71.2	71.2	67.9	67.9	61.4	53.4	46.9	40.4	35.6	34.0	34.0
87.5°	24.3	24.3	22.6	22.6	19.4	14.6	11.3	9.7	8.1	6.5	8.1
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

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

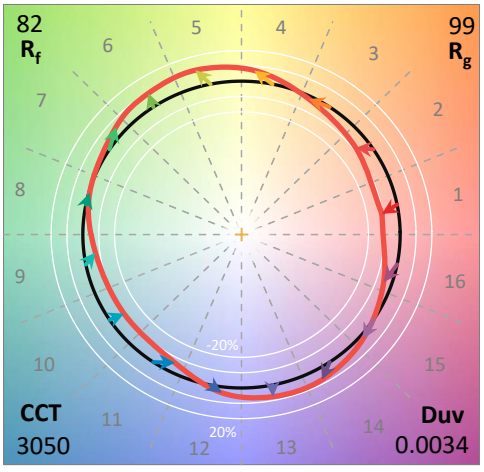
Test Information

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

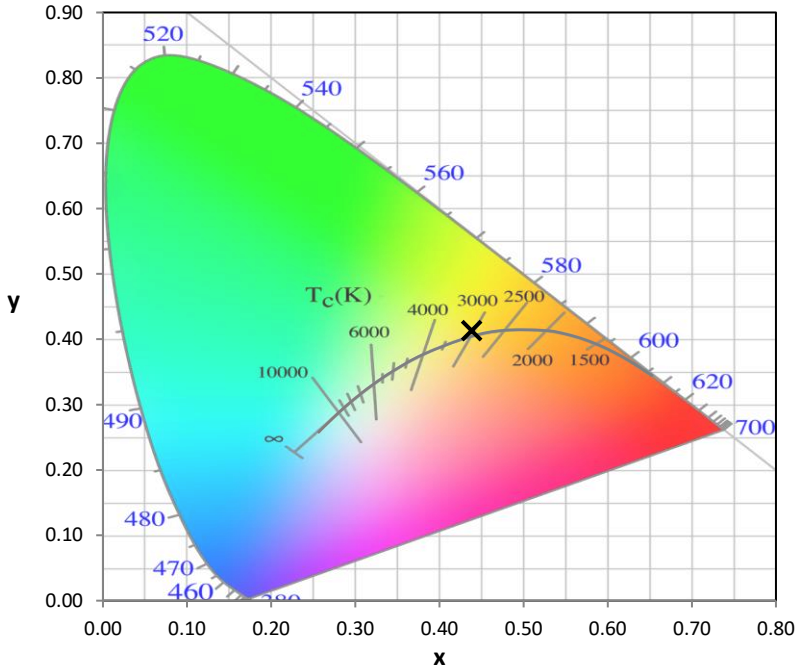
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

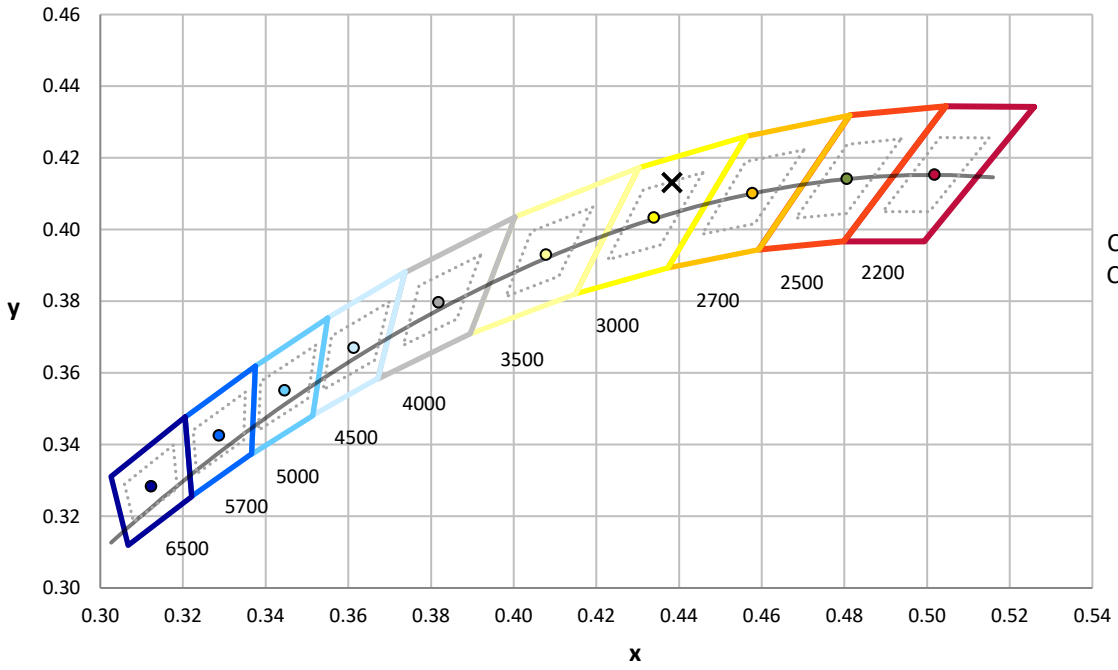
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

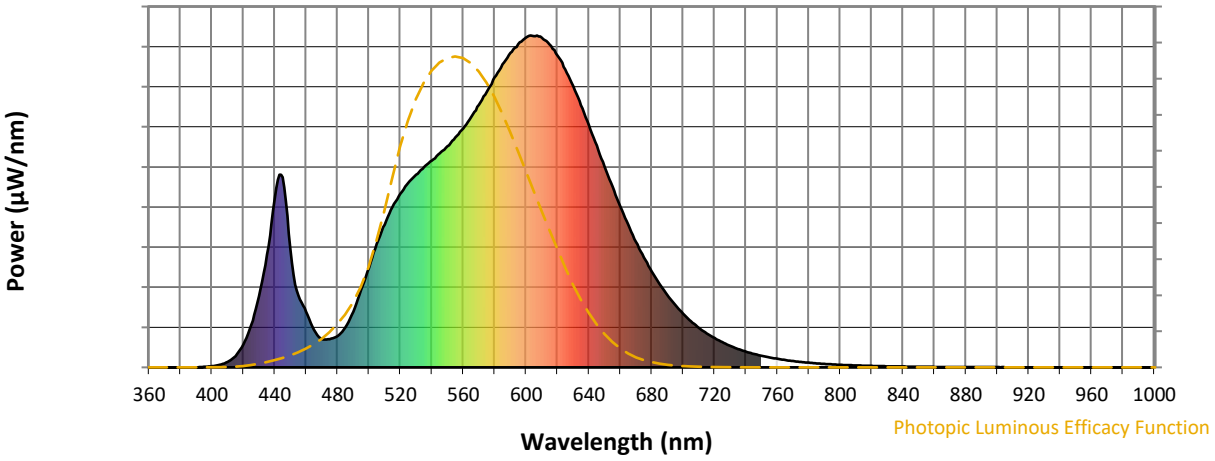


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

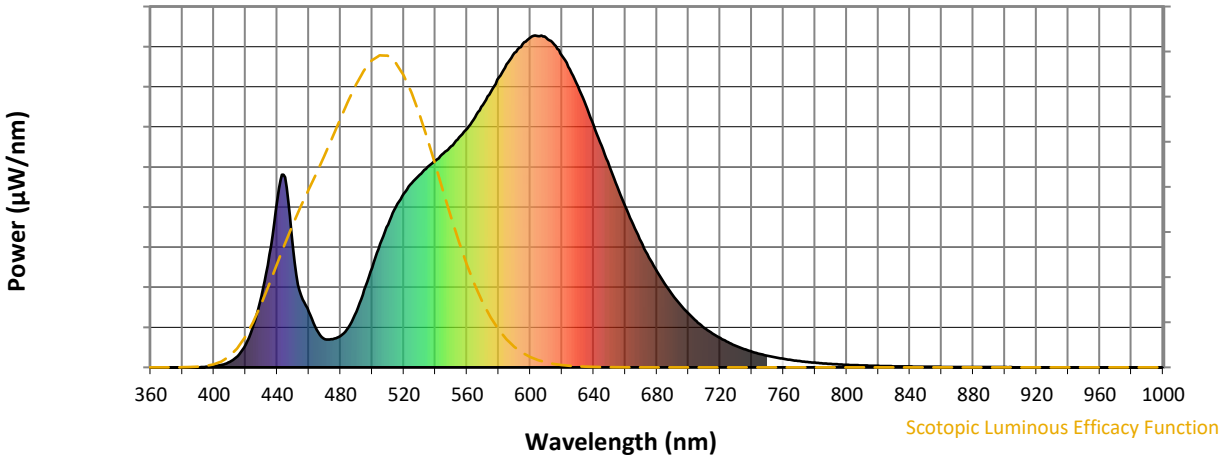


Photopic Lumens: NR

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

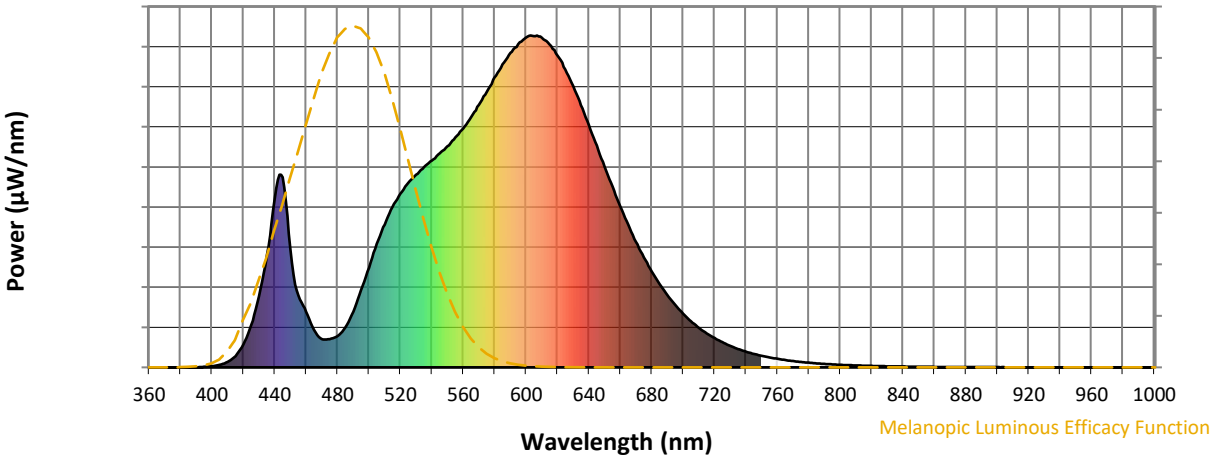


Scotopic Lumens: NR **S/P: 1.27**

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			

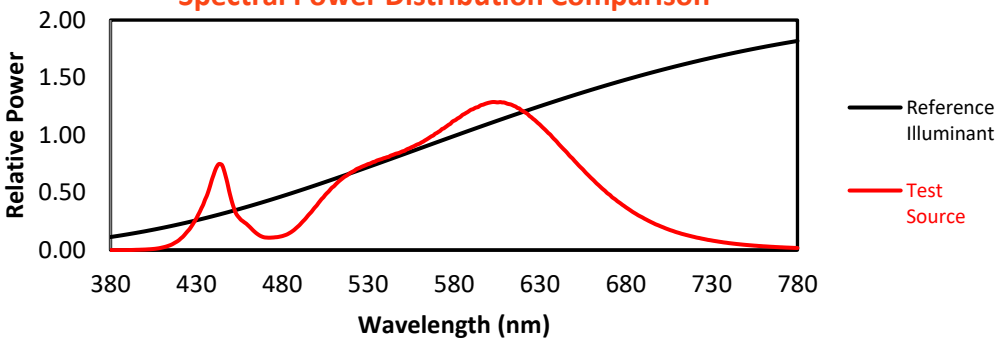
REPORT NUMBER: SP1-2408-195-9

TM-30-18

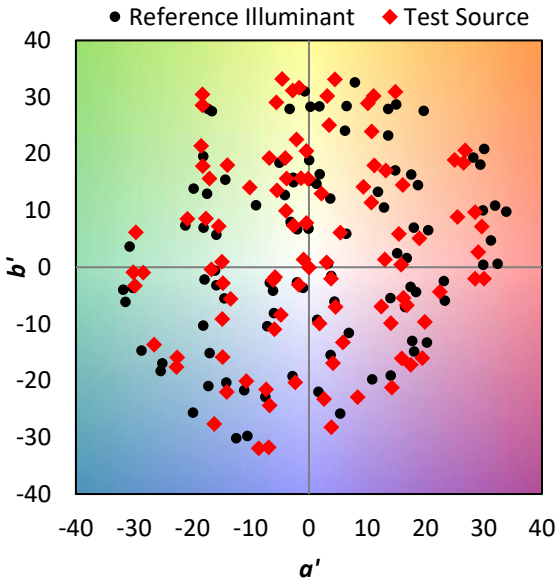
Summary

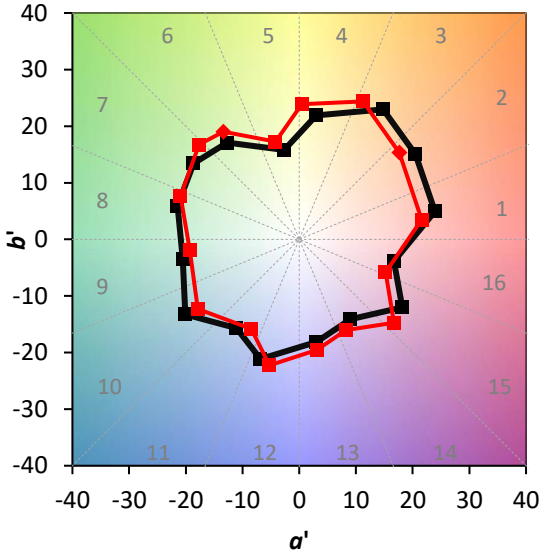
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

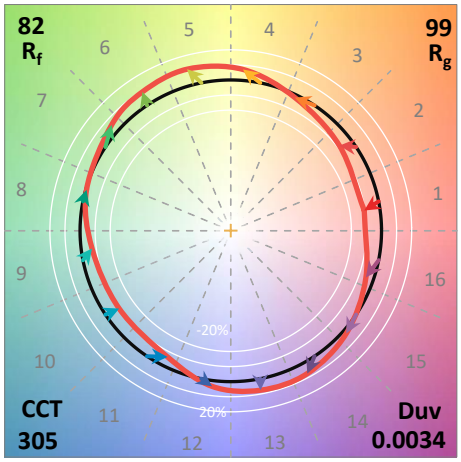
Spectral Power Distribution Comparison

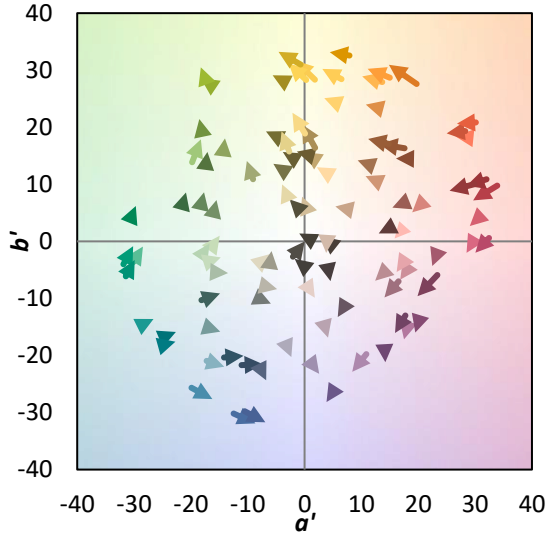


Color Vector Graphics







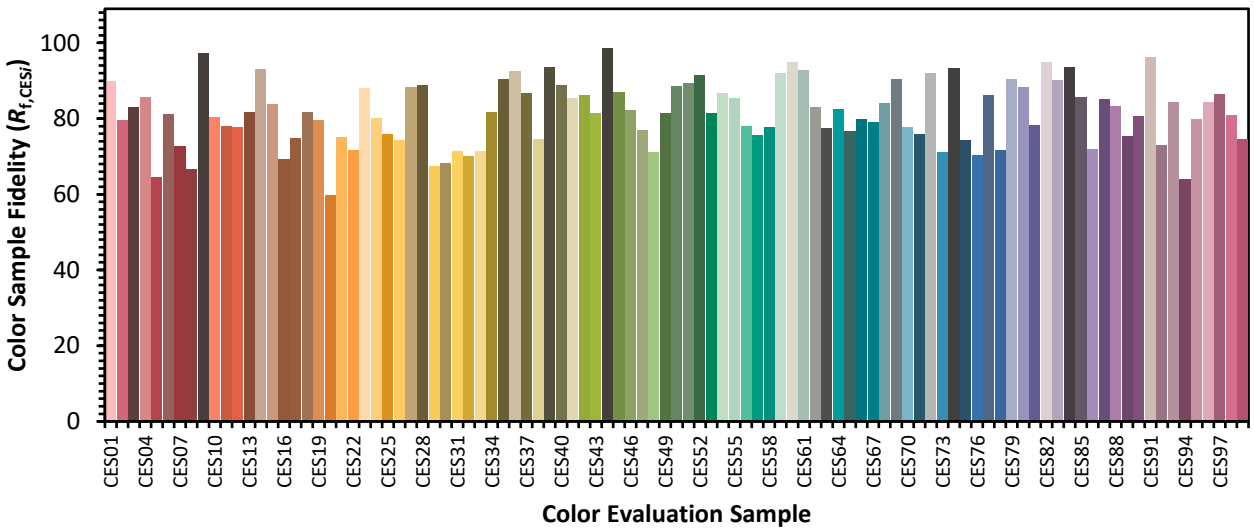


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

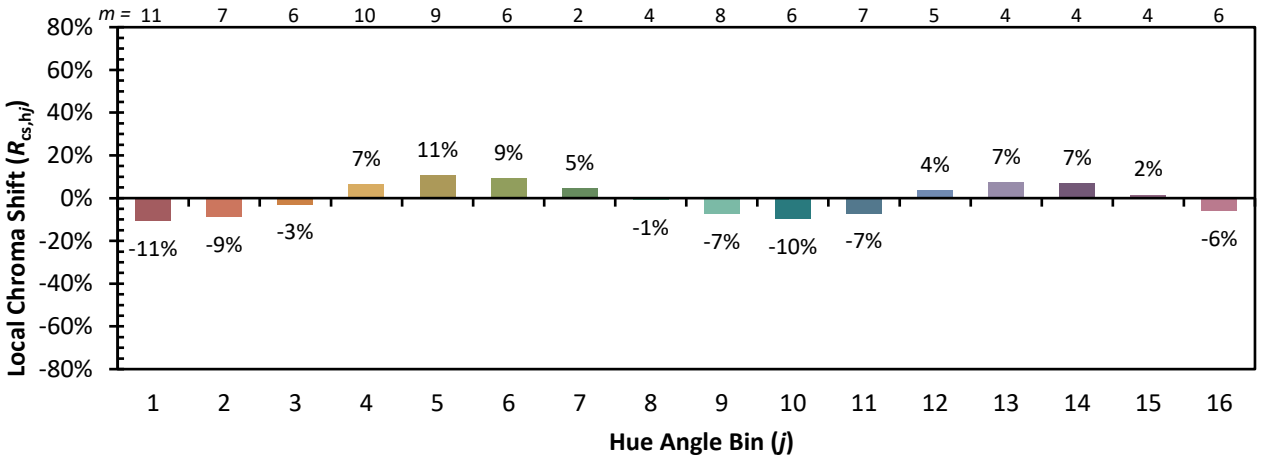
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

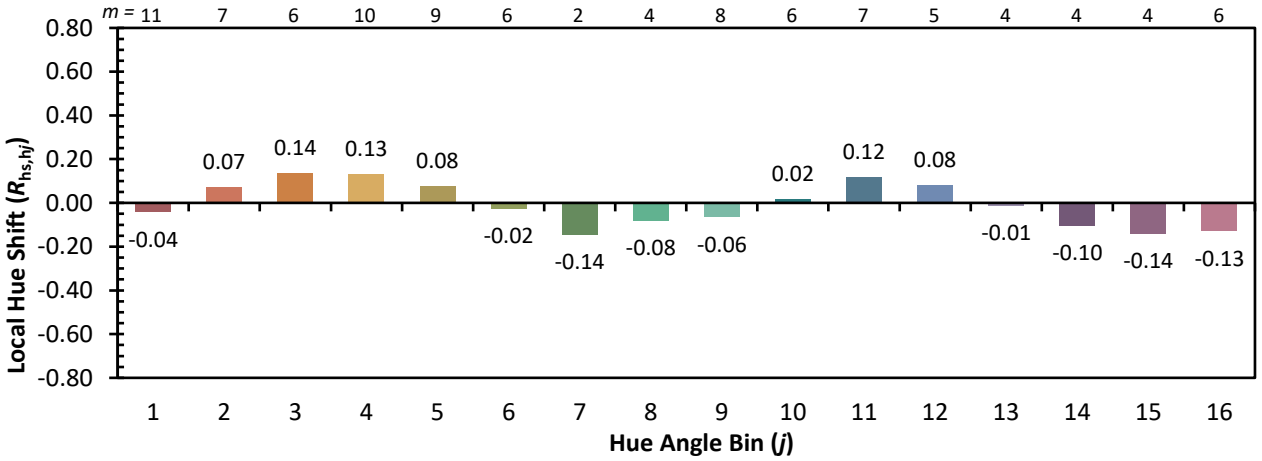


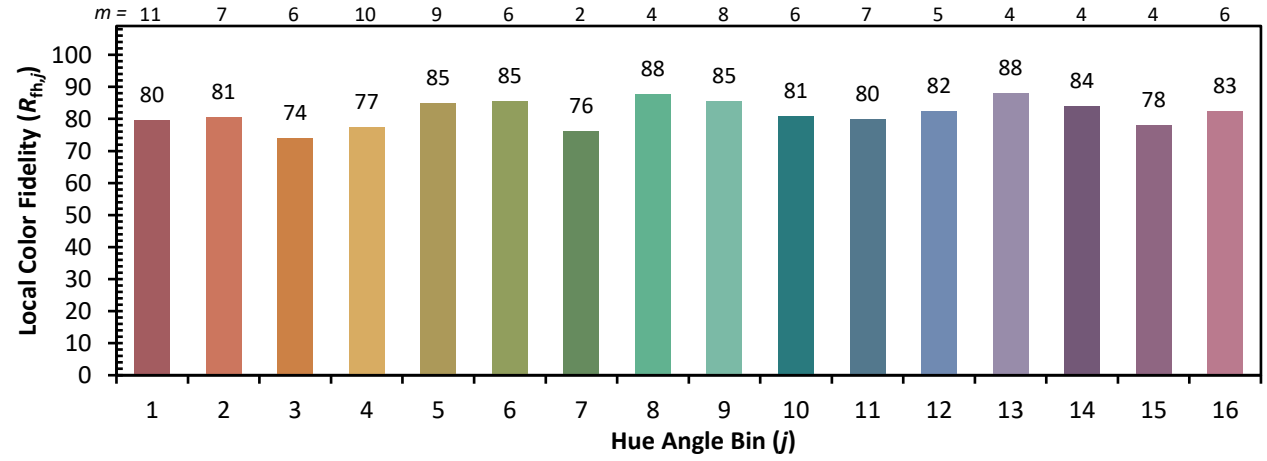
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



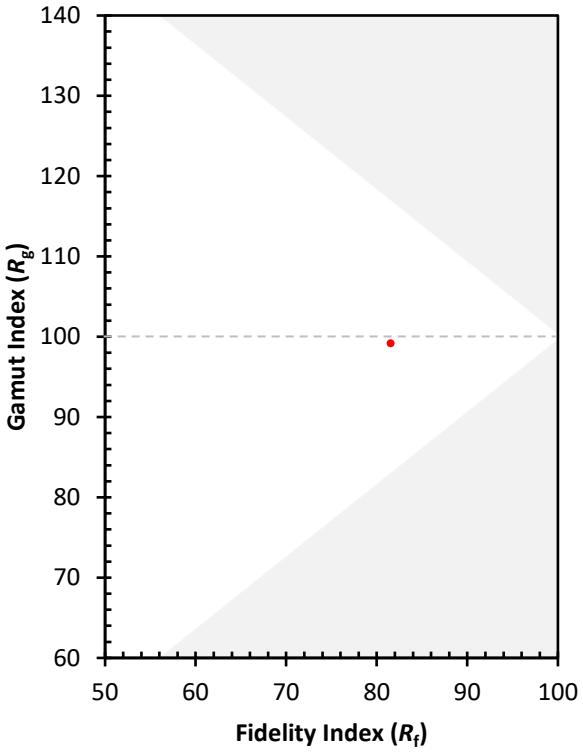


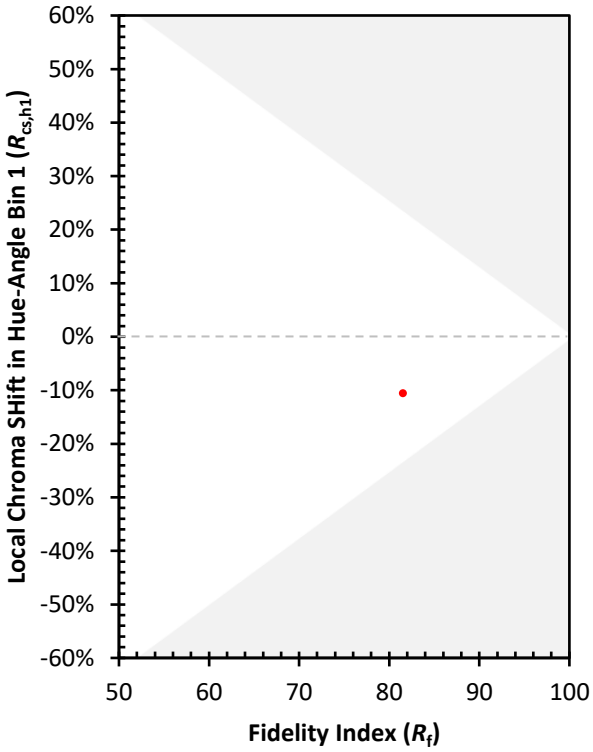


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)