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: P643452

Luminaire Tested: GWS-SA6E-830-U-T3R-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:	P643452
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6E-830-U-T3R-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27837.5 lumens
Efficiency:	N/A
Efficacy:	86.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G4

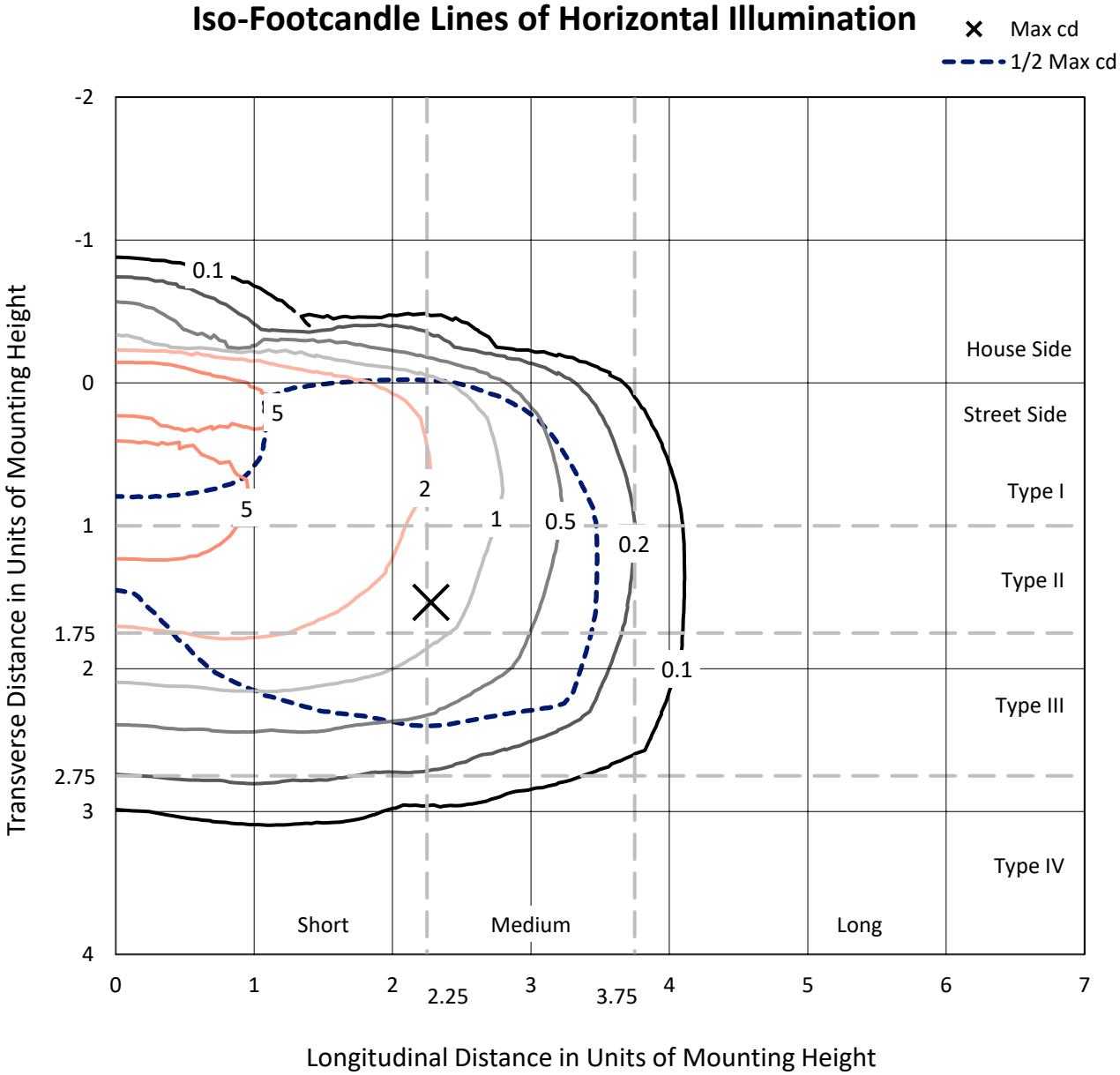
Input Watts (W):	323.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P643452
CATALOG NUMBER: GWS-SA6E-830-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



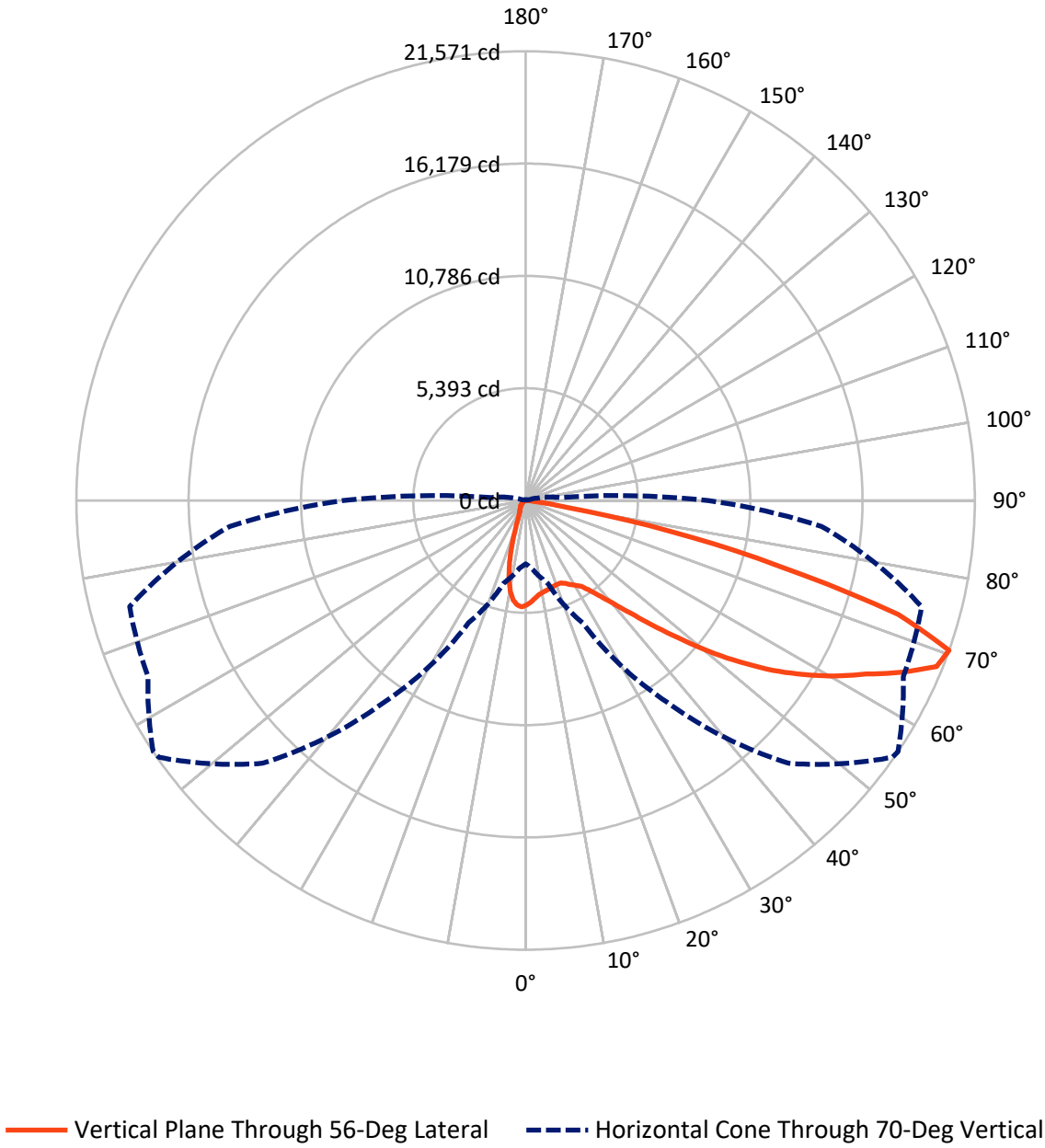
Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P643452
CATALOG NUMBER: GWS-SA6E-830-U-T3R-W-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

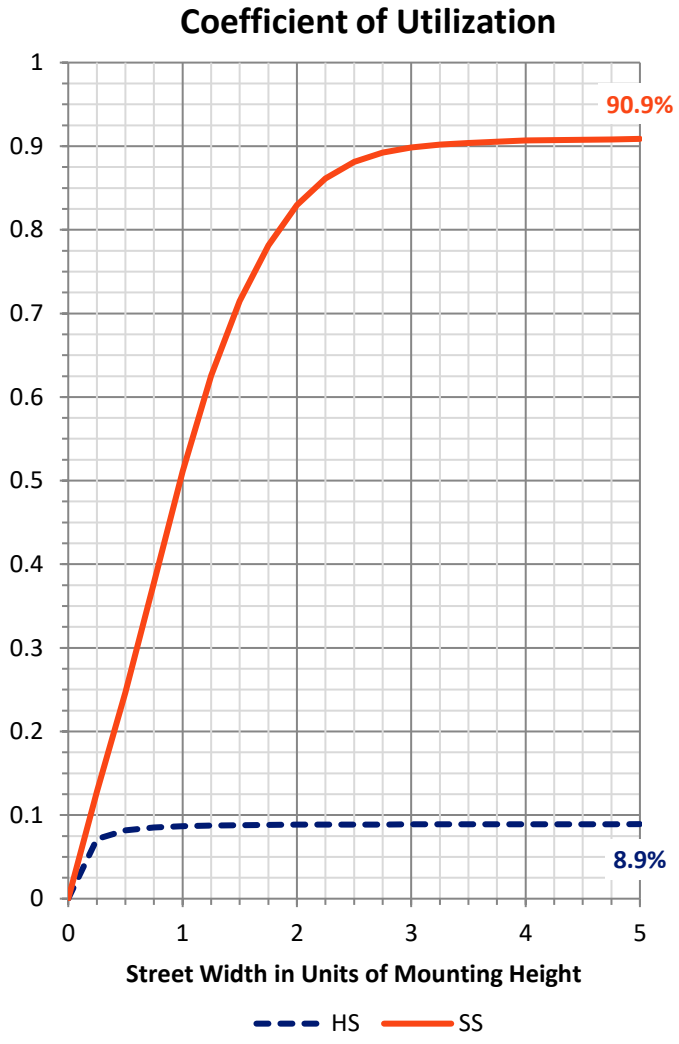
REPORT NUMBER: P643452
CATALOG NUMBER: GWS-SA6E-830-U-T3R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2500.3	0.0	2500.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	25337.2	0.0	25337.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	27837.5	0.0	27837.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.9	1.5
10°-20°	969.3	3.5
20°-30°	1535.3	5.5
30°-40°	2647.7	9.5
40°-50°	4471.0	16.1
50°-60°	6569.4	23.6
60°-70°	7788.3	28.0
70°-80°	3321.3	11.9
80°-90°	104.3	0.4
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°	27837.5	100.0
0°-180°	27837.5	100.0



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

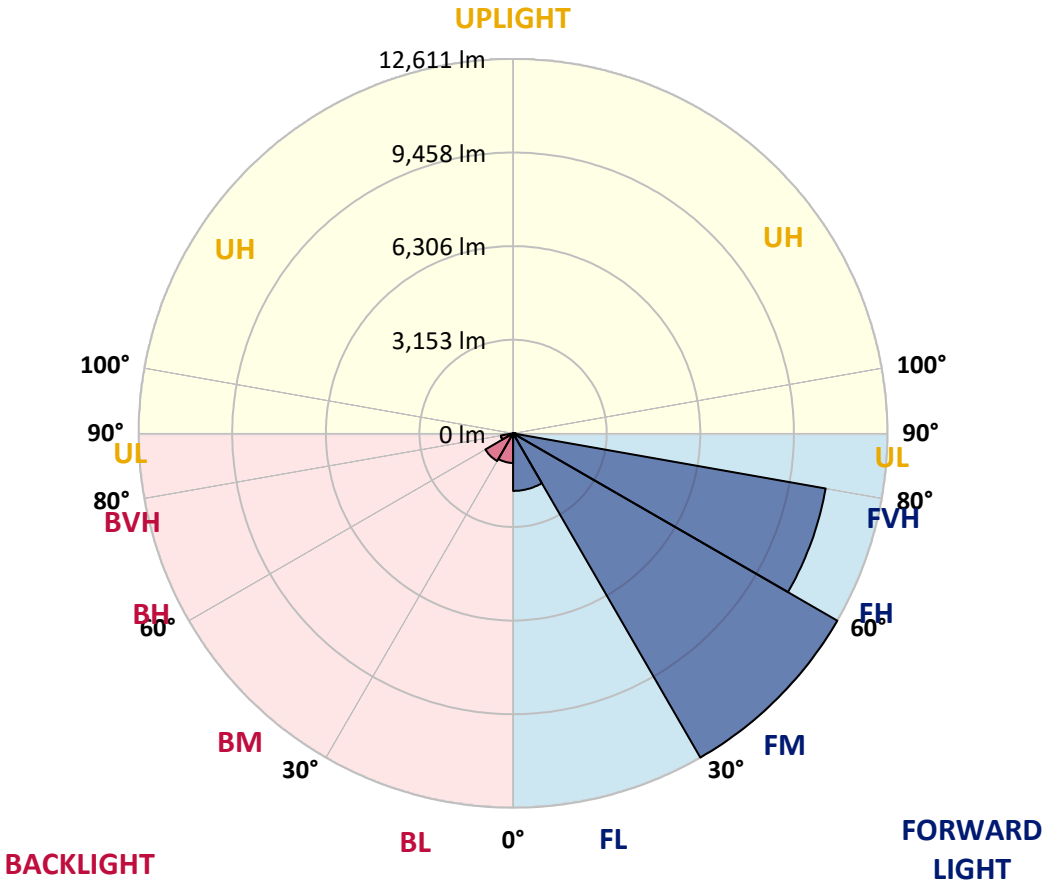
Scaled Data Report

REPORT NUMBER: P643452
CATALOG NUMBER: GWS-SA6E-830-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1939.8	7.0			
FM	(30°-60°)	12611.1	45.3			
FH	(60°-80°)	10692.6	38.4			G4/12000
FVH	(80°-90°)	93.7	0.3			G1/100
BL	(0°-30°)	995.8	3.6	B2/1000		
BM	(30°-60°)	1076.9	3.9	B2/2500		
BH	(60°-80°)	417.0	1.5	B1/500		G1/500
BVH	(80°-90°)	10.6	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P643452
CATALOG NUMBER: GWS-SA6E-830-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4
2.5°	4672.7	4665.0	4670.1	4708.4	4779.8	4812.9	4869.0	4879.2	4925.1	4983.7	5006.6
5°	4369.3	4343.8	4356.6	4410.1	4491.7	4583.5	4688.0	4716.0	4830.7	4960.7	5057.6
7.5°	4091.5	4063.4	4094.0	4178.1	4292.9	4392.3	4547.8	4565.6	4749.2	4978.6	5154.5
10°	3655.6	3663.2	3724.4	3872.2	4048.1	4254.6	4463.7	4489.1	4716.0	5037.2	5310.0
12.5°	3321.6	3303.8	3370.0	3538.3	3785.6	4086.4	4399.9	4433.1	4718.6	5126.4	5508.8
15°	3166.1	3161.0	3189.1	3311.4	3551.0	3905.4	4341.3	4384.6	4751.7	5208.0	5697.5
17.5°	3171.2	3163.6	3161.0	3232.4	3410.8	3770.3	4277.6	4333.6	4779.8	5297.2	5896.3
20°	3393.0	3357.3	3293.6	3260.4	3367.5	3683.6	4234.2	4298.0	4820.5	5391.6	6107.9
22.5°	3856.9	3869.7	3698.9	3520.4	3469.5	3693.8	4229.1	4303.1	4909.8	5539.4	6367.9
25°	4784.9	4764.5	4448.4	4048.1	3770.3	3811.1	4318.4	4407.6	5085.7	5751.0	6612.6
27.5°	5947.3	5965.1	5531.8	4894.5	4313.3	4053.2	4481.5	4570.7	5289.6	5883.6	6775.8
30°	7214.2	7196.4	6732.4	6026.3	5083.1	4456.0	4644.6	4723.7	5391.6	5954.9	6944.0
32.5°	8412.4	8371.6	7912.7	7173.5	6064.6	5090.8	4869.0	4914.9	5526.7	6110.4	7170.9
35°	9434.6	9432.1	9031.8	8244.1	7074.0	5886.1	5253.9	5292.1	5779.0	6357.7	7504.9
37.5°	10490.0	10454.3	10005.6	9286.7	8111.6	6757.9	5842.8	5827.5	6176.7	6722.2	7915.3
40°	11356.7	11333.8	10989.6	10298.8	9189.9	7721.5	6556.6	6510.7	6648.3	7227.0	8486.3
42.5°	11999.1	12001.6	11894.6	11474.0	10331.9	8835.5	7453.9	7382.5	7379.9	7989.2	9240.9
45°	12486.0	12519.1	12679.7	12616.0	11680.4	10133.1	8603.6	8529.6	8404.7	8978.3	10105.0
47.5°	12712.9	12756.2	13240.6	13495.5	12860.7	11420.4	9972.5	9817.0	9572.3	10293.7	11071.2
50°	12689.9	12766.4	13441.9	14216.9	13931.4	12725.6	11463.8	11389.8	10989.6	11685.5	12027.1
52.5°	12169.9	12333.0	13454.7	14655.4	14754.8	13928.8	13006.0	12868.4	12674.6	13138.6	12924.5
55°	10757.6	10956.5	12916.8	14795.6	15397.2	14979.1	14515.2	14403.0	14081.8	14510.1	13707.1
57.5°	9990.3	10161.1	11785.0	14726.7	15942.7	15950.4	15858.6	15766.8	15501.7	15866.2	14624.8
60°	9528.9	9699.7	11180.8	14474.4	16437.3	16975.1	17120.4	17110.3	16727.9	17408.5	15700.5
62.5°	8853.4	9087.9	10551.2	13819.2	16789.1	17984.6	18423.1	18354.3	17928.5	19014.5	16766.1
65°	7489.6	7693.5	9261.3	12738.4	16582.6	18820.8	19835.4	19871.0	19379.0	20526.2	17607.3
67.5°	5251.4	5401.8	6959.3	10469.6	15180.5	19096.1	21280.7	21278.2	20439.5	21301.1	17235.2
70°	3043.7	3250.2	4111.9	6472.4	11810.5	17844.4	21497.4	21571.4	20008.7	19682.4	14262.8
72.5°	1177.7	1348.5	2330.0	3438.9	6158.9	13668.8	18491.9	18708.6	16745.7	15183.1	9926.6
75°	351.8	392.6	1096.2	1830.3	2472.7	6602.4	12519.1	12580.3	11486.7	9470.3	5088.2
77.5°	262.6	290.6	479.3	925.4	866.7	2001.1	6477.5	7074.0	6097.7	3382.8	1402.1
80°	178.4	211.6	341.6	451.2	321.2	532.8	1820.1	1998.6	1860.9	759.7	351.8
82.5°	79.0	102.0	242.2	226.9	117.3	153.0	560.8	596.5	384.9	229.4	122.4
85°	7.6	10.2	91.8	99.4	43.3	35.7	117.3	117.3	84.1	79.0	51.0
87.5°	0.0	0.0	2.5	5.1	5.1	7.6	10.2	12.7	15.3	20.4	25.5
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: P643452
CATALOG NUMBER: GWS-SA6E-830-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4	5019.4
2.5°	5065.3	5034.7	5072.9	5103.5	5111.2	5055.1	5021.9	4973.5	4963.3	4965.8	4953.1
5°	5134.1	5118.8	5146.8	5113.7	5027.0	4863.9	4723.7	4568.2	4484.0	4435.6	4430.5
7.5°	5261.6	5253.9	5223.3	5072.9	4802.7	4440.7	4091.5	3749.9	3538.3	3461.8	3449.1
10°	5450.2	5434.9	5310.0	4953.1	4377.0	3681.0	3094.7	2605.3	2307.0	2220.4	2113.3
12.5°	5666.9	5636.3	5363.5	4695.6	3734.6	2771.0	2039.4	1491.3	1233.8	1157.3	1157.3
15°	5875.9	5809.6	5332.9	4269.9	2944.3	1802.3	1139.5	861.6	782.6	762.2	762.2
17.5°	6090.0	5962.6	5213.1	3688.7	2034.3	1065.6	759.7	706.1	695.9	698.5	701.0
20°	6291.4	6092.6	5001.5	2990.2	1297.5	744.4	680.6	667.9	662.8	667.9	665.3
22.5°	6510.7	6212.4	4680.3	2228.0	843.8	670.4	647.5	637.3	632.2	639.9	639.9
25°	6727.3	6299.1	4254.6	1498.9	670.4	624.6	611.8	601.6	596.5	599.1	599.1
27.5°	6839.5	6265.9	3696.3	956.0	601.6	578.7	565.9	553.2	545.5	543.0	545.5
30°	6916.0	6164.0	3013.2	680.6	545.5	517.5	504.7	494.5	474.2	461.4	466.5
32.5°	7035.8	6062.0	2271.3	571.0	499.6	456.3	435.9	410.4	382.4	369.6	369.6
35°	7178.6	5921.8	1593.3	514.9	451.2	405.3	367.1	323.7	290.6	280.4	280.4
37.5°	7367.2	5789.2	1060.5	476.7	410.4	362.0	308.5	257.5	221.8	216.7	214.1
40°	7650.2	5677.1	746.9	448.7	374.7	316.1	252.4	198.8	173.3	165.7	165.7
42.5°	8017.2	5562.4	591.4	420.6	344.1	272.8	201.4	158.1	137.7	132.6	130.0
45°	8471.0	5427.3	514.9	395.1	313.6	226.9	160.6	132.6	117.3	112.2	112.2
47.5°	8963.0	5243.7	479.3	362.0	277.9	183.5	135.1	114.7	107.1	104.5	102.0
50°	9447.3	4996.4	448.7	331.4	237.1	150.4	117.3	104.5	99.4	96.9	96.9
52.5°	9870.5	4708.4	410.4	295.7	193.7	130.0	104.5	96.9	91.8	86.7	84.1
55°	10232.5	4394.8	362.0	254.9	158.1	114.7	96.9	89.2	84.1	79.0	76.5
57.5°	10699.0	4216.4	290.6	206.5	130.0	102.0	89.2	81.6	76.5	68.8	68.8
60°	11216.5	4086.4	216.7	163.1	112.2	94.3	81.6	73.9	68.8	61.2	61.2
62.5°	11632.0	3892.6	170.8	132.6	96.9	84.1	73.9	66.3	61.2	53.5	53.5
65°	11790.1	3492.4	140.2	104.5	79.0	73.9	66.3	61.2	53.5	45.9	45.9
67.5°	11076.3	2692.0	117.3	84.1	66.3	63.7	58.6	56.1	45.9	40.8	38.2
70°	*8771.8*	*1641.7*	*96.9*	*68.8*	*56.1*	*53.5*	*53.5*	*48.4*	*40.8*	*38.2*	*35.7*
72.5°	6011.0	846.3	79.0	56.1	48.4	48.4	45.9	43.3	38.2	35.7	35.7
75°	3122.8	283.0	61.2	43.3	38.2	40.8	40.8	38.2	35.7	35.7	33.1
77.5°	894.8	127.5	45.9	33.1	30.6	30.6	33.1	33.1	33.1	30.6	30.6
80°	232.0	73.9	33.1	25.5	25.5	25.5	25.5	28.0	30.6	28.0	28.0
82.5°	94.3	40.8	22.9	20.4	20.4	20.4	20.4	22.9	25.5	25.5	25.5
85°	58.6	20.4	17.8	17.8	17.8	15.3	15.3	17.8	17.8	20.4	20.4
87.5°	35.7	15.3	15.3	15.3	15.3	12.7	12.7	12.7	12.7	12.7	12.7
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

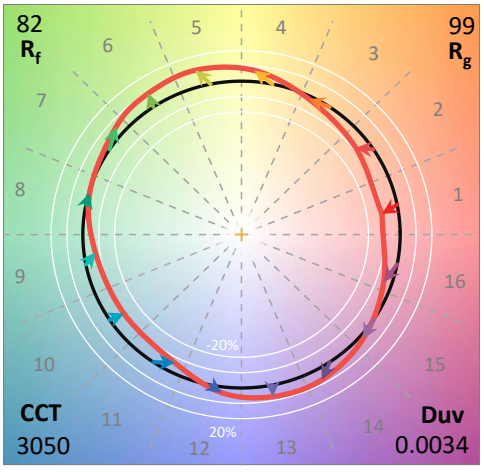
Test Information

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

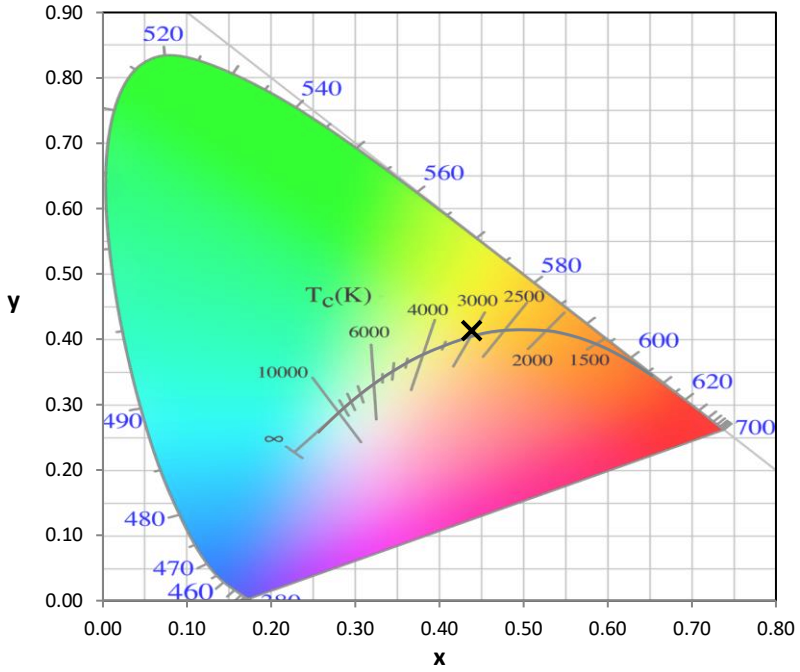
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

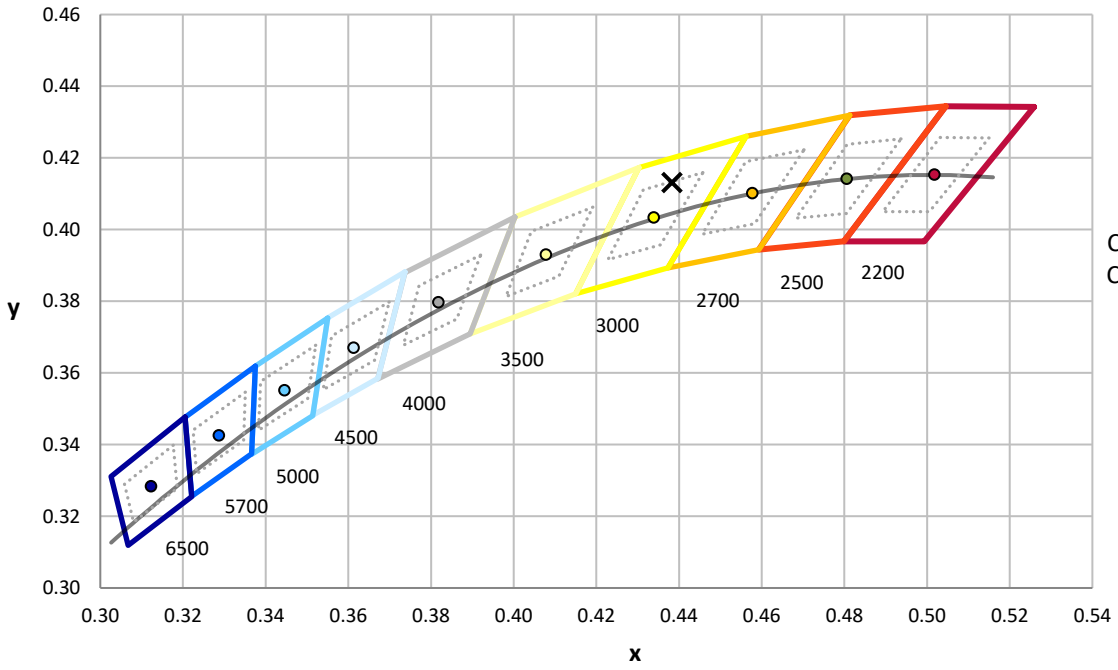
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

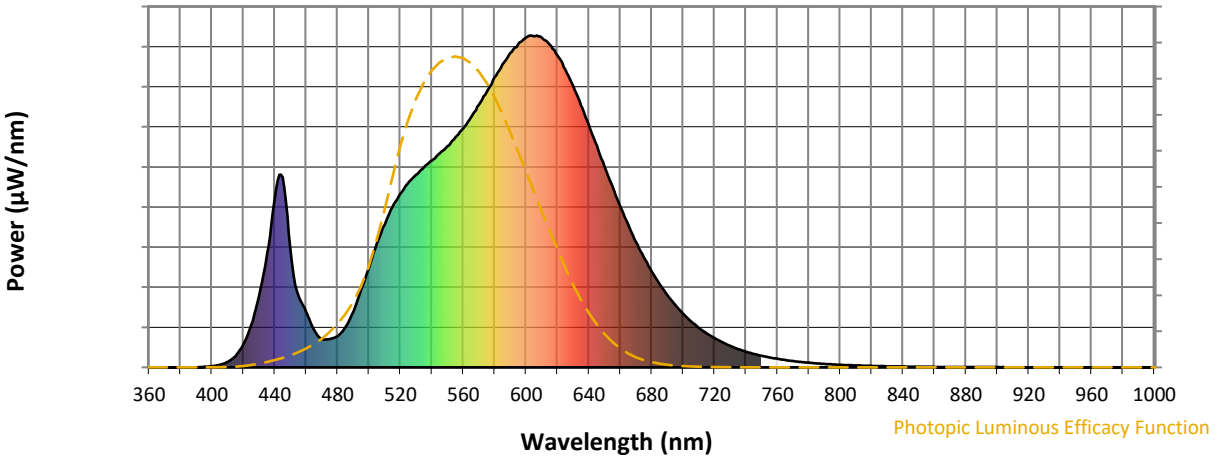


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

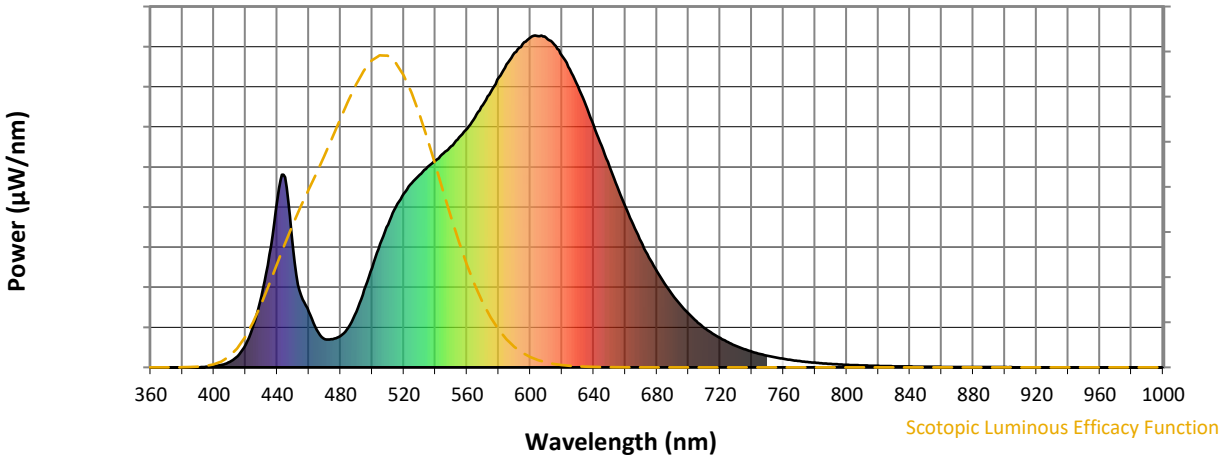


Photopic Lumens: NR

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

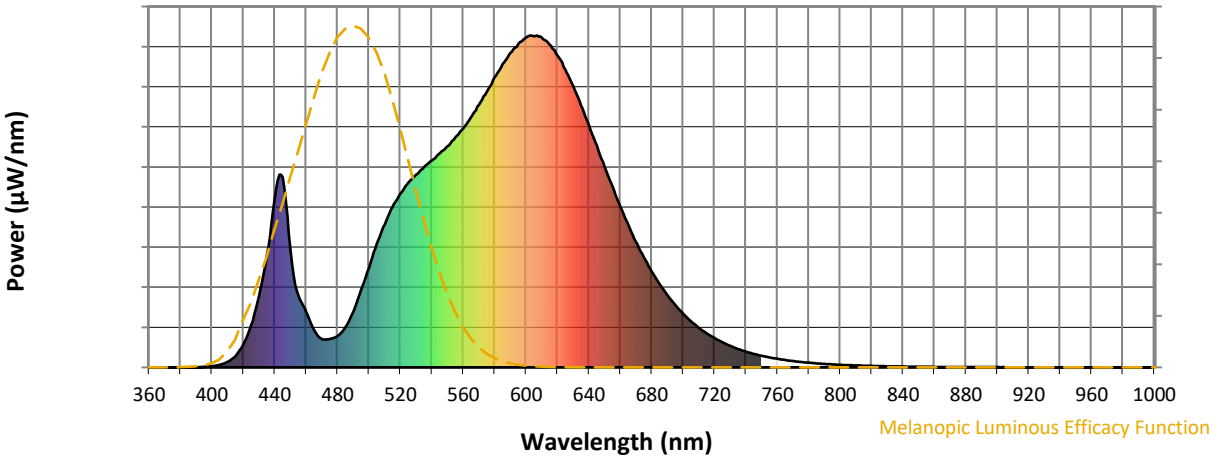


Scotopic Lumens: NR **S/P: 1.27**

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			

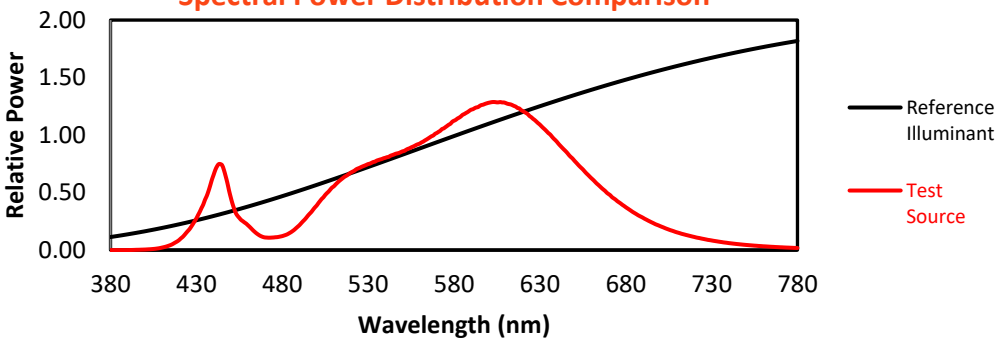
REPORT NUMBER: SP1-2408-195-9

TM-30-18

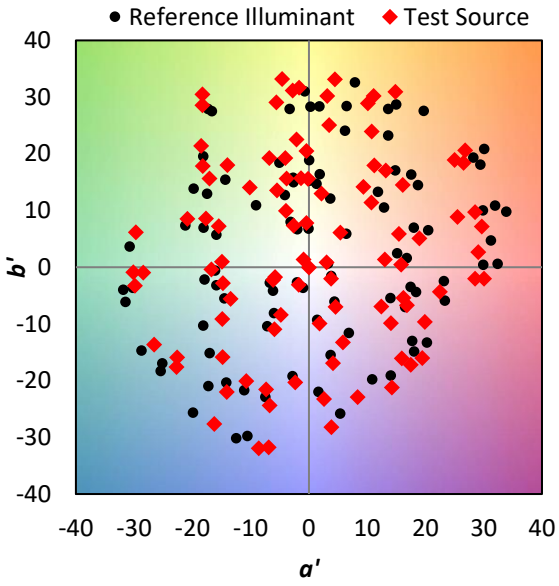
Summary

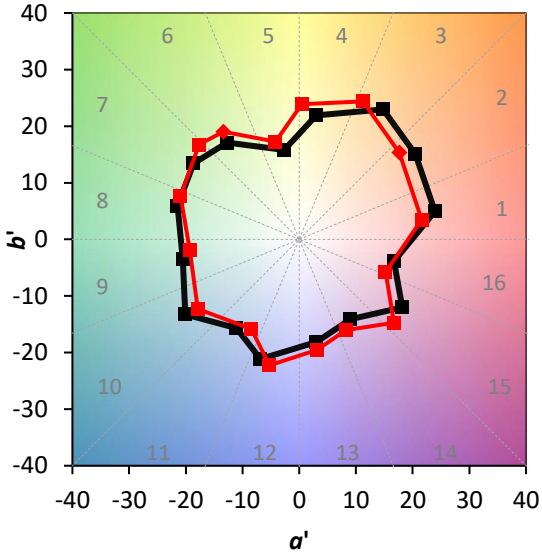
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

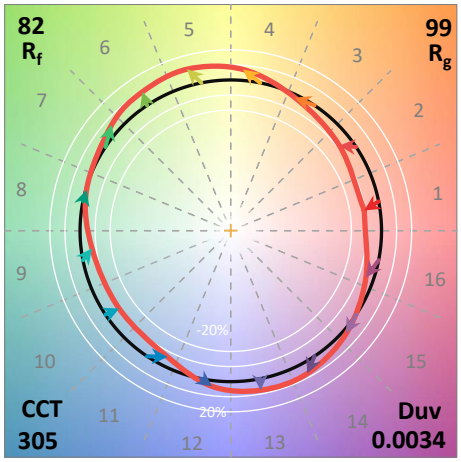
Spectral Power Distribution Comparison

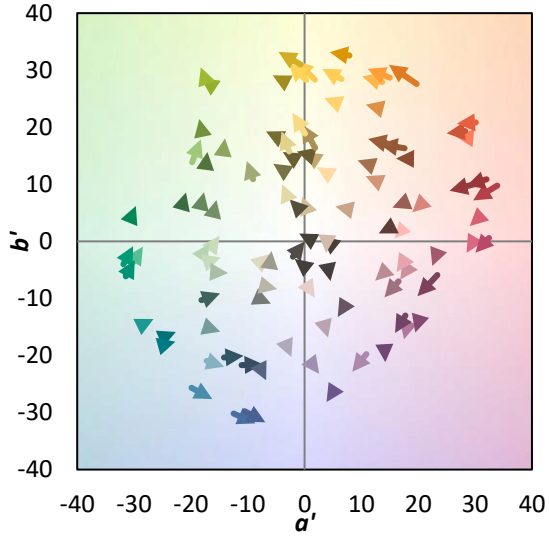


Color Vector Graphics







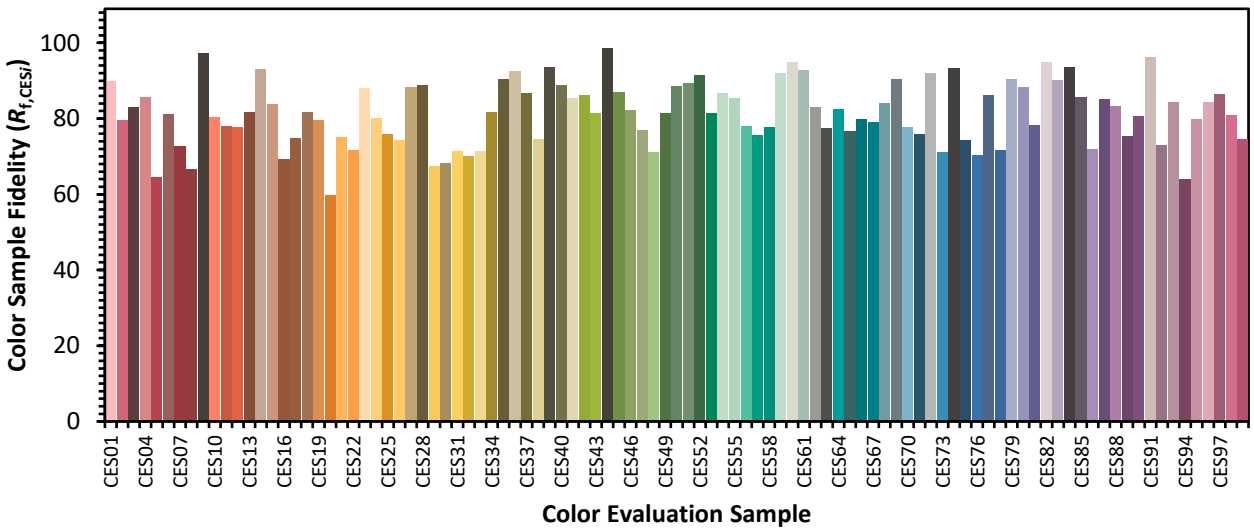


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

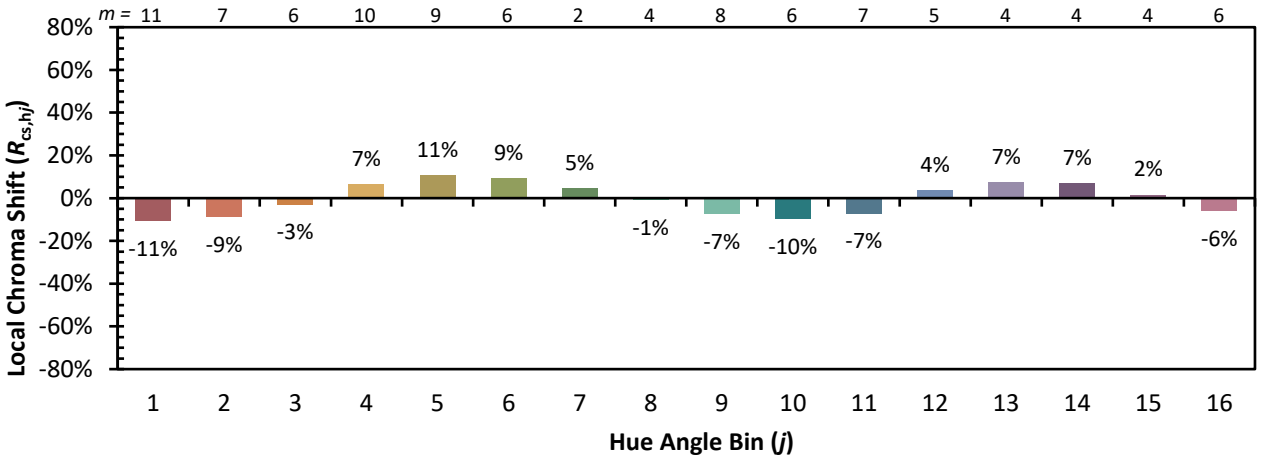
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

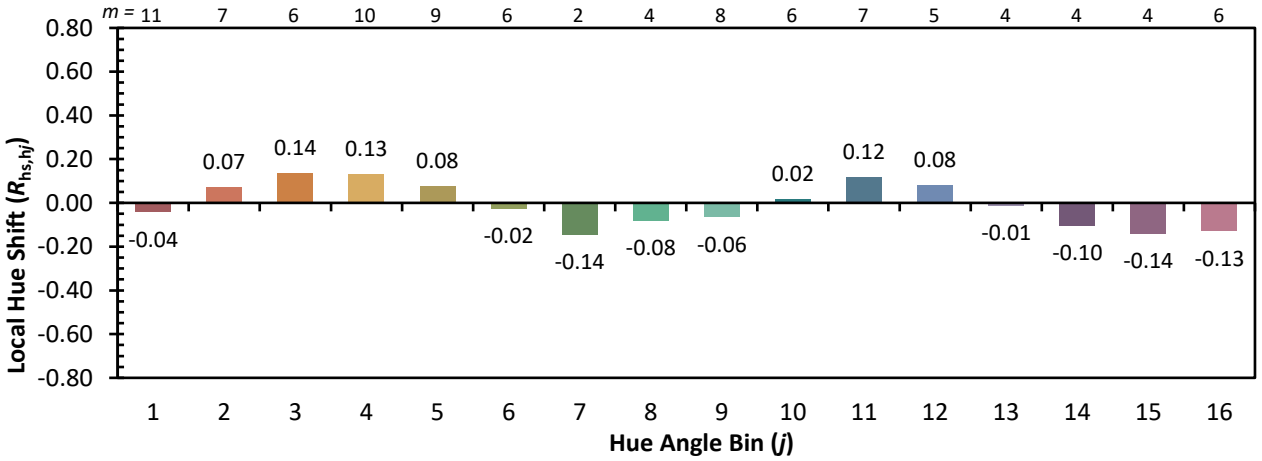


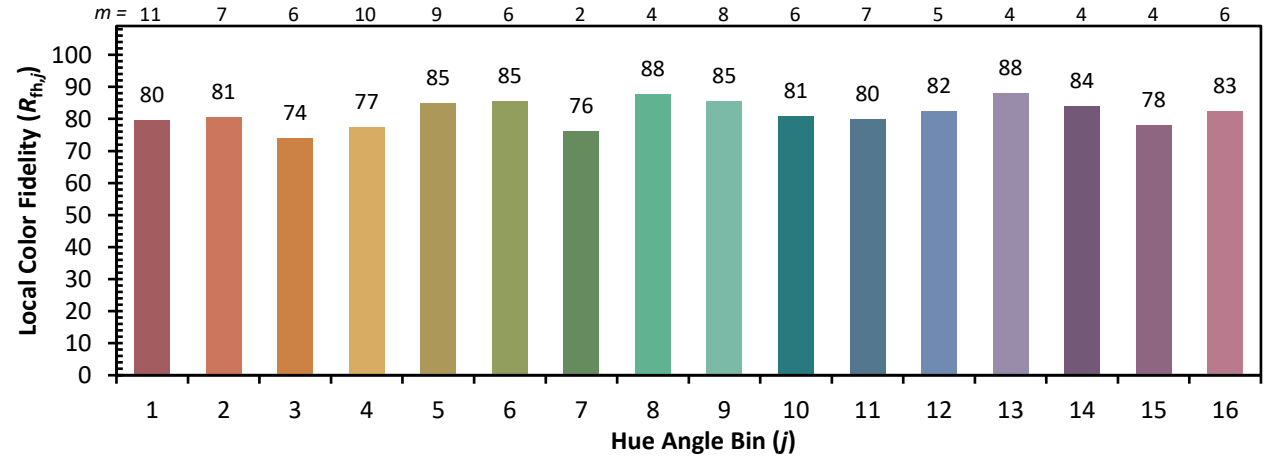
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



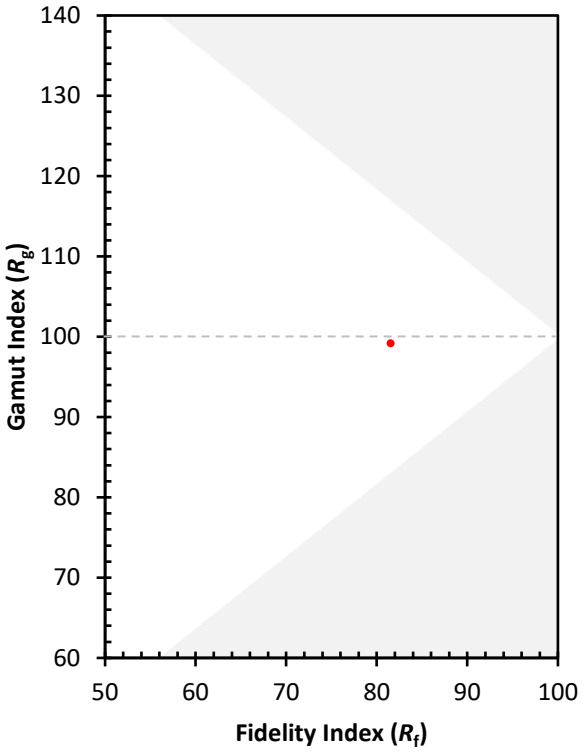


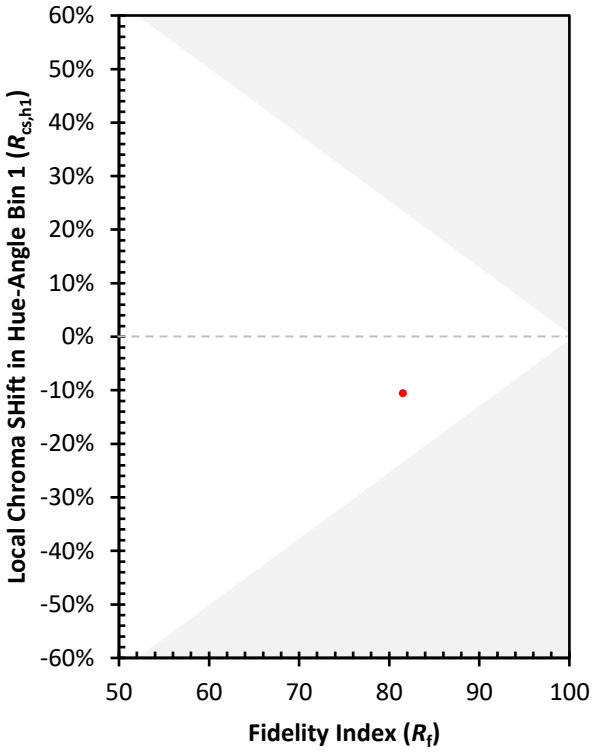


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)