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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1366535

Luminaire Tested: **GSS-SB5A-735-U-T3R**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1366535
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-735-U-T3R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 3500K FIXTURE w/ TYPE III ROADWAY DISTRIBUTION OPTIC
Light Source:	(130) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21645.1 lumens
Efficiency:	N/A
Efficacy:	151.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G3

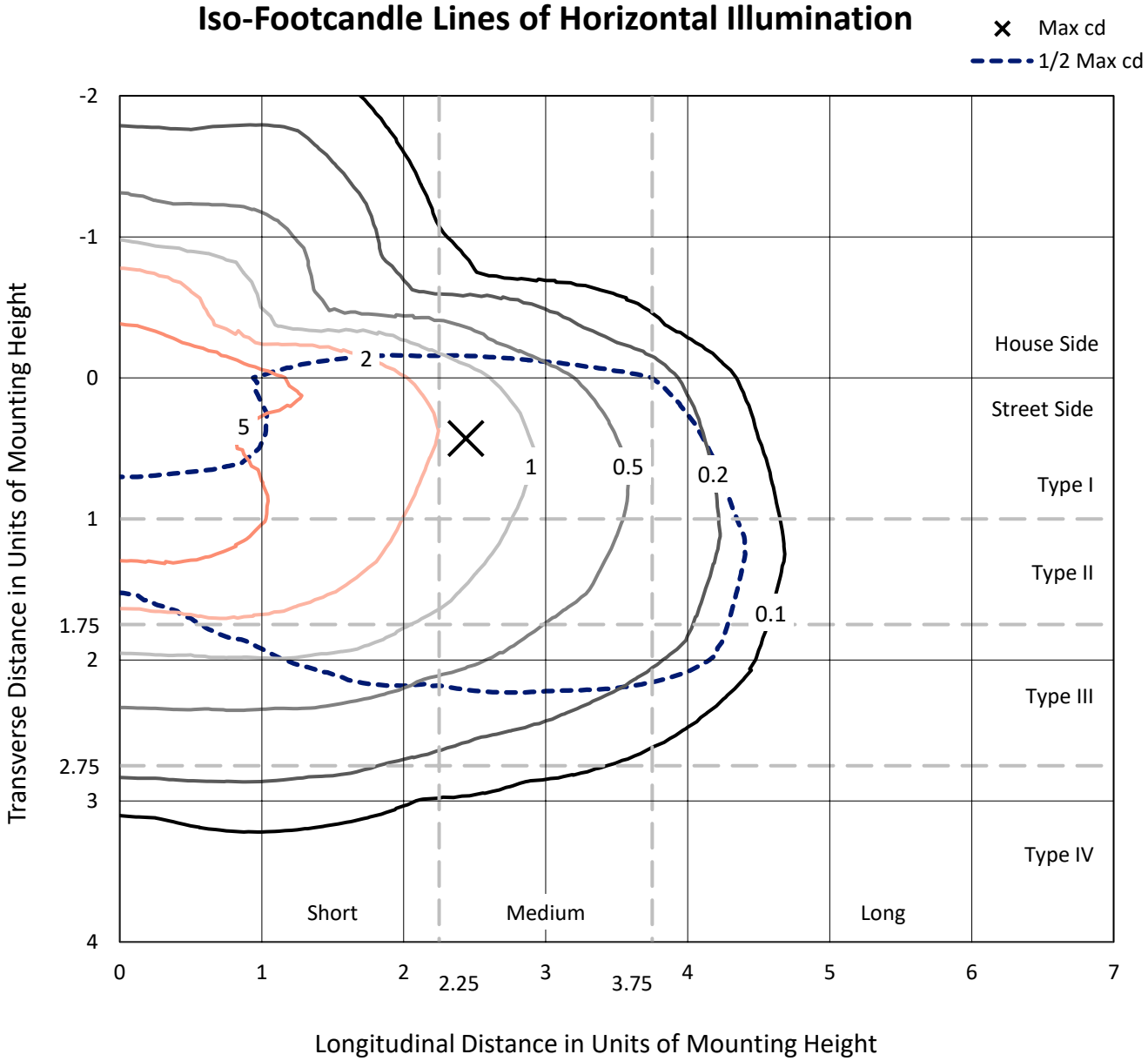
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1366535
CATALOG NUMBER: GSS-SB5A-735-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



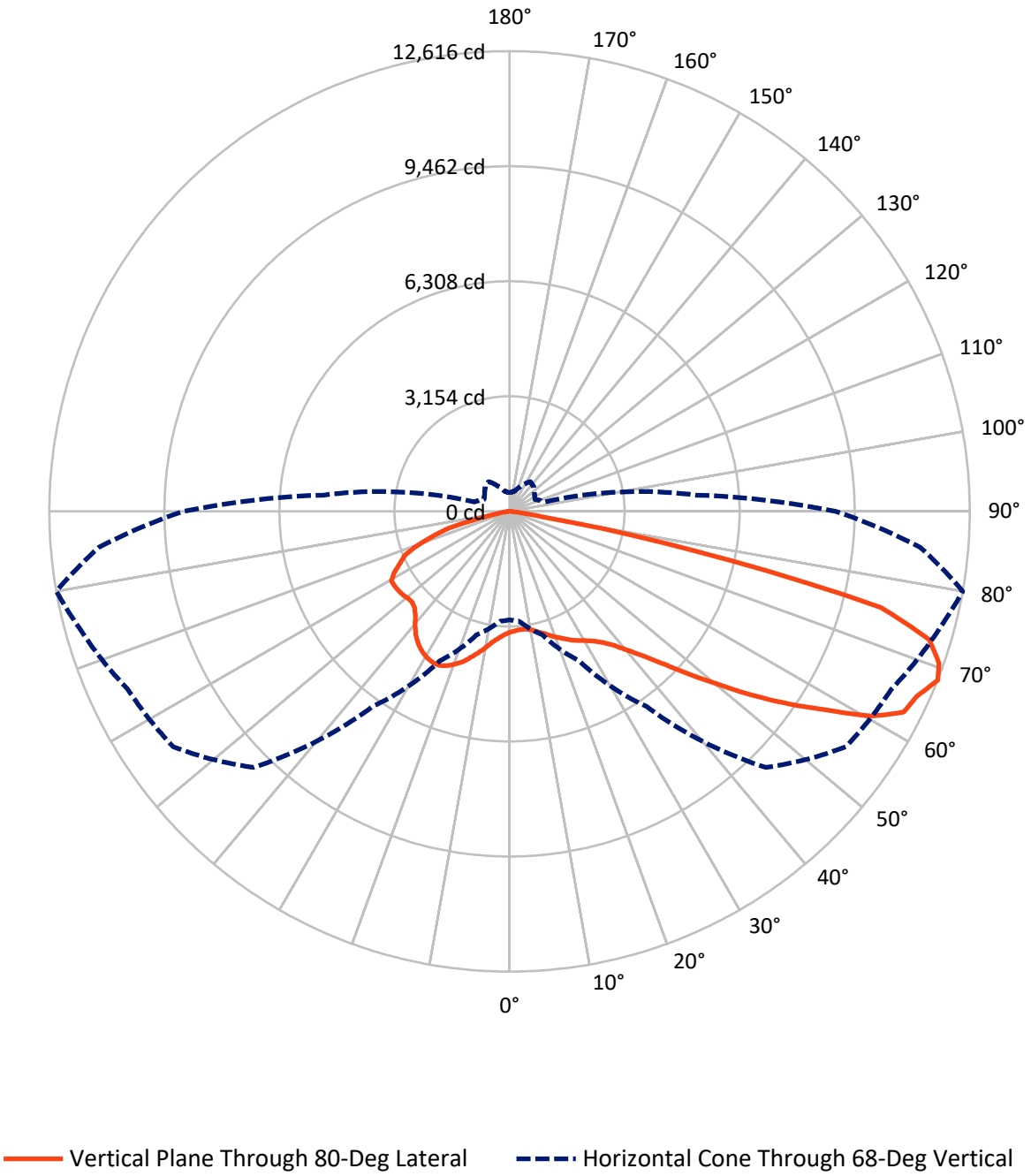
Based on 20 foot mounting height. Maximum calculated value = 9.4 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1366535
CATALOG NUMBER: GSS-SB5A-735-U-T3R

Luminous Intensity Polar Plot



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

Scaled Data Report

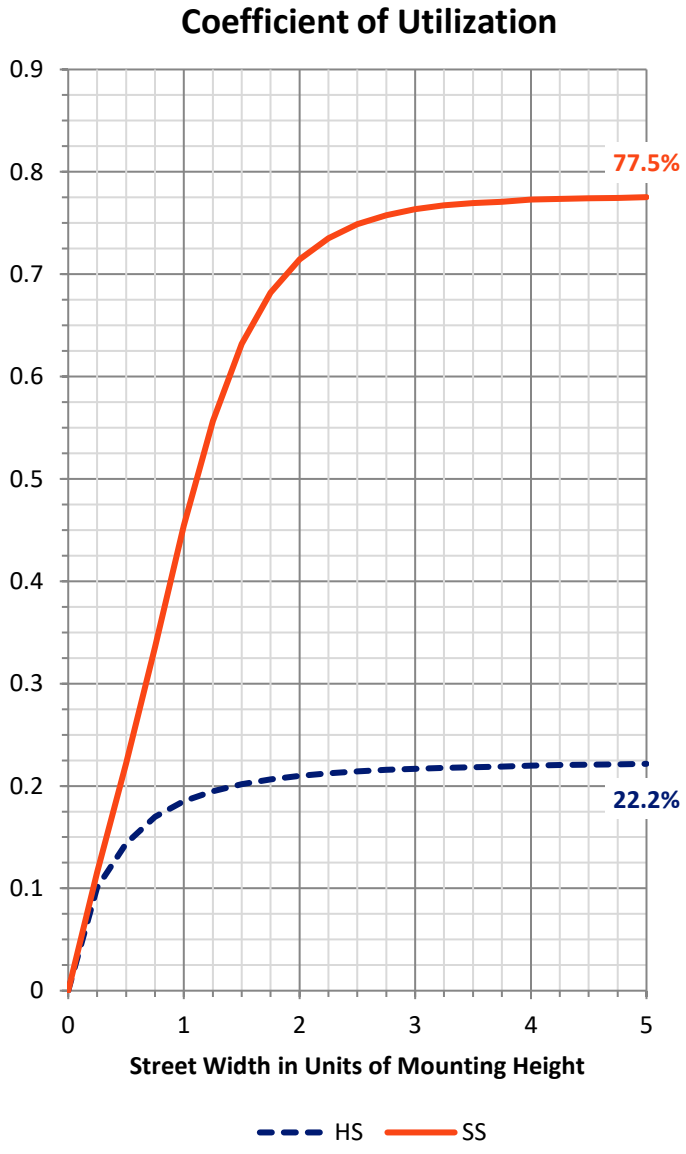
REPORT NUMBER: P1366535
CATALOG NUMBER: GSS-SB5A-735-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4836.8	0.0	4836.8
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	16808.2	0.0	16808.2
	% Fixture	77.7	0.0	77.7
Total	Lumens	21645.1	0.0	21645.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.0	1.5
10°-20°	913.8	4.2
20°-30°	1506.8	7.0
30°-40°	2313.3	10.7
40°-50°	3571.8	16.5
50°-60°	4933.4	22.8
60°-70°	5056.3	23.4
70°-80°	2863.7	13.2
80°-90°	166.0	0.8
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°	21645.1	100.0
0°-180°	21645.1	100.0



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

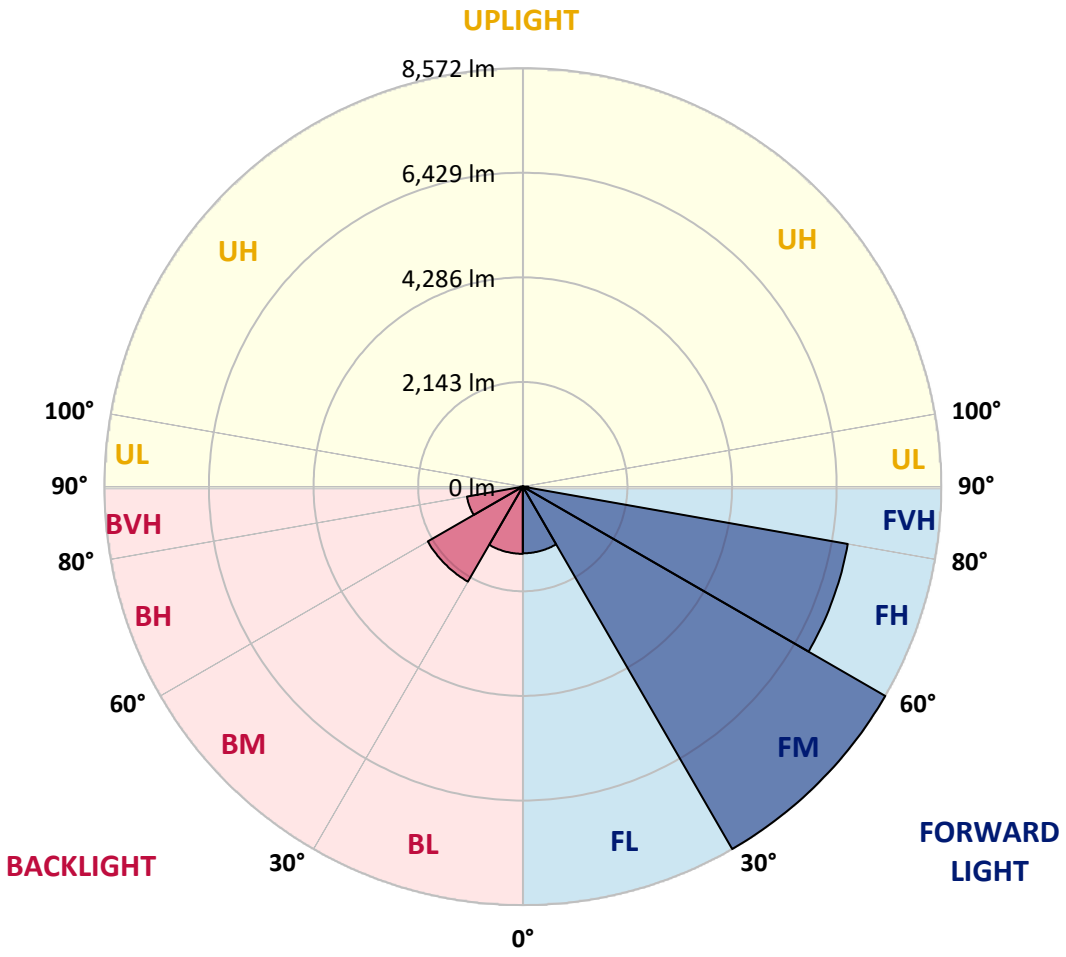
Scaled Data Report

REPORT NUMBER: P1366535
CATALOG NUMBER: GSS-SB5A-735-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1364.6	6.3			
FM	(30°-60°)	8571.6	39.6			
FH	(60°-80°)	6757.5	31.2			G3/7500
FVH	(80°-90°)	114.5	0.5			G2/225
BL	(0°-30°)	1376.0	6.4	B3/2500		
BM	(30°-60°)	2246.9	10.4	B2/2500		
BH	(60°-80°)	1162.4	5.4	B3/2500		G3/2500
BVH	(80°-90°)	51.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P1366535
CATALOG NUMBER: GSS-SB5A-735-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	3306.7	3306.7	3306.7	3306.7	3306.7	3306.7	3306.7	3306.7	3306.7	*3306.7*	3306.7
2.5°	3074.4	3064.3	3059.3	3069.4	3084.5	3114.8	3150.2	3175.4	3236.0	*3271.3*	3301.6
5°	2912.9	2907.8	2907.8	2933.1	2958.3	2993.7	3044.1	3089.6	3180.5	*3251.1*	3301.6
7.5°	2721.1	2716.0	2716.0	2771.5	2822.0	2902.8	2983.6	3059.3	3170.4	*3261.2*	3342.0
10°	2519.1	2519.1	2529.2	2599.9	2685.7	2801.8	2938.1	3054.2	3195.6	*3301.6*	3412.7
12.5°	2433.3	2428.3	2433.3	2498.9	2584.7	2741.2	2897.7	3074.4	3246.1	*3382.4*	3513.6
15°	2453.5	2443.4	2433.3	2488.8	2554.5	2711.0	2897.7	3114.8	3331.9	*3463.2*	3644.9
17.5°	2559.5	2554.5	2524.2	2539.3	2584.7	2726.1	2923.0	3175.4	3417.7	*3574.2*	3771.1
20°	2766.5	2751.3	2705.9	2680.7	2685.7	2776.6	2968.4	3256.2	3498.5	*3685.3*	3907.4
22.5°	3109.8	3099.7	3024.0	2923.0	2857.4	2882.6	3049.2	3347.0	3609.6	*3786.3*	4063.9
25°	3564.1	3538.9	3422.8	3261.2	3109.8	3054.2	3150.2	3468.2	3715.6	*3907.4*	4210.3
27.5°	4048.8	4053.8	3947.8	3705.5	3443.0	3256.2	3281.4	3589.4	3836.7	*4008.4*	4336.5
30°	4614.2	4588.9	4472.8	4220.4	3836.7	3523.7	3417.7	3705.5	3947.8	*4109.3*	4488.0
32.5°	5361.3	5366.4	5159.4	4770.7	4291.1	3851.9	3594.4	3826.6	4074.0	*4240.6*	4674.8
35°	6265.0	6244.8	5997.4	5527.9	4876.7	4230.5	3821.6	3983.1	4225.5	*4412.2*	4891.8
37.5°	7072.7	7017.2	6870.8	6421.5	5613.8	4745.4	4129.5	4190.1	4462.7	*4659.6*	5214.9
40°	7794.6	7769.4	7744.2	7400.9	6456.8	5386.6	4533.4	4508.2	4755.5	*5013.0*	5613.8
42.5°	8390.3	8385.3	8395.4	8319.7	7486.7	6189.3	5098.8	4922.1	5169.5	*5432.0*	6083.2
45°	8824.5	8814.4	8920.4	9076.9	8491.3	7148.4	5765.2	5437.1	5694.5	*5992.4*	6679.0
47.5°	9288.9	9294.0	9440.4	9702.9	9470.7	8102.6	6522.5	6078.2	6310.4	*6689.0*	7390.8
50°	9470.7	9470.7	9819.0	10192.6	10258.2	9117.3	7426.1	6840.5	7077.8	*7481.6*	8107.6
52.5°	9076.9	9152.6	9763.5	10465.2	10773.2	10056.3	8380.2	7668.4	7870.4	*8390.3*	8819.4
55°	6875.8	7143.4	9339.4	10333.9	10965.0	10793.3	9329.3	8587.2	8809.4	*9324.3*	9551.5
57.5°	5936.8	6007.5	7325.1	9874.6	10722.7	11192.2	10207.7	9566.6	9768.5	*10273.4*	10313.8
60°	5220.0	5315.9	6123.6	9097.1	10243.1	11151.8	10939.7	10470.3	10753.0	*11394.1*	11086.2
62.5°	4230.5	4331.5	5013.0	7269.6	9612.0	10869.1	11510.2	11323.4	11591.0	*12126.1*	11404.2
65°	3725.7	3761.0	4250.7	5573.4	8450.9	10626.8	11803.0	11686.9	11803.0	*12252.3*	11242.6
67.5°	3104.7	3175.4	3649.9	4730.3	6825.4	10111.8	11368.9	11535.5	12111.0	*12555.2*	11363.8
68°	*2973.5*	*3024.0*	*3508.6*	*4523.3*	*6522.5*	*9925.0*	*11252.7*	*11545.6*	*12232.1*	*12615.8*	*11298.2*
70°	2428.3	2498.9	2928.0	3791.3	5467.4	7946.1	10798.4	11742.4	12317.9	*12489.6*	10939.7
72.5°	1201.5	1327.7	2019.3	2675.6	3947.8	5745.0	9465.6	11490.0	12141.3	*12035.2*	10182.5
75°	424.1	454.4	944.0	1448.9	1913.3	3720.6	6694.1	10475.3	11131.6	*10510.6*	8536.7
77.5°	302.9	328.1	535.1	732.0	787.5	1867.9	4291.1	6926.3	6583.0	*5098.8*	3887.2
80°	237.3	257.5	398.8	408.9	393.8	656.3	1464.0	2100.1	1479.2	*928.9*	671.4
82.5°	146.4	176.7	297.9	247.4	181.7	207.0	343.3	565.4	403.9	*257.5*	207.0
85°	55.5	70.7	136.3	95.9	60.6	80.8	116.1	151.5	116.1	*85.8*	75.7
87.5°	5.0	5.0	10.1	10.1	15.1	20.2	30.3	40.4	45.4	*45.4*	45.4
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: P1366535
CATALOG NUMBER: GSS-SB5A-735-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3306.7	3306.7	3306.7	3306.7	3306.7	3306.7	3306.7	3306.7	3306.7	3306.7	3306.7
2.5°	3321.8	3337.0	3402.6	3437.9	3503.5	3554.0	3584.3	3599.5	3614.6	3624.7	3619.7
5°	3357.1	3402.6	3528.8	3624.7	3700.4	3750.9	3776.2	3796.4	3801.4	3811.5	3806.4
7.5°	3422.8	3493.5	3685.3	3796.4	3862.0	3882.2	3862.0	3851.9	3836.7	3821.6	3821.6
10°	3528.8	3639.9	3867.0	3947.8	3952.8	3922.6	3856.9	3781.2	3725.7	3705.5	3695.4
12.5°	3665.1	3821.6	4053.8	4074.0	4008.4	3867.0	3680.2	3523.7	3422.8	3347.0	3342.0
15°	3831.7	4013.4	4215.4	4154.8	3968.0	3670.1	3362.2	3140.1	3024.0	2958.3	2928.0
17.5°	4003.3	4235.6	4361.8	4195.2	3801.4	3316.8	2948.2	2771.5	2665.5	2630.2	2604.9
20°	4195.2	4417.3	4462.7	4134.6	3498.5	2923.0	2589.8	2478.7	2478.7	2468.6	2458.5
22.5°	4392.1	4604.1	4518.3	3968.0	3099.7	2534.3	2332.3	2372.7	2443.4	2463.6	2463.6
25°	4573.8	4765.6	4518.3	3670.1	2625.1	2216.2	2231.4	2327.3	2418.2	2468.6	2468.6
27.5°	4750.5	4866.6	4427.4	3251.1	2196.0	2054.7	2145.5	2261.7	2408.1	2483.8	2488.8
30°	4927.2	4942.3	4265.8	2716.0	1888.1	1938.6	2044.6	2196.0	2357.6	2453.5	2463.6
32.5°	5114.0	5013.0	4038.7	2185.9	1746.7	1827.5	1953.7	2074.9	2201.1	2271.8	2276.8
35°	5326.0	5078.6	3745.9	1777.0	1655.9	1751.8	1847.7	1888.1	1923.4	1963.8	1989.0
37.5°	5558.2	5164.5	3362.2	1570.0	1570.0	1681.1	1736.6	1655.9	1645.8	1640.7	1625.6
40°	5815.7	5255.3	2882.6	1464.0	1504.4	1605.4	1559.9	1464.0	1393.3	1317.6	1322.7
42.5°	6138.8	5371.4	2337.4	1413.5	1459.0	1544.8	1418.6	1302.5	1110.6	1060.2	1070.2
45°	6507.3	5517.8	1903.2	1368.1	1423.6	1489.3	1322.7	1100.5	979.4	1029.9	1065.2
47.5°	6896.0	5709.7	1590.2	1332.8	1408.5	1423.6	1262.1	1009.7	928.9	1040.0	1085.4
50°	7355.4	5886.4	1443.8	1297.4	1403.4	1403.4	1156.1	994.5	888.5	984.4	1029.9
52.5°	7819.9	6058.0	1368.1	1257.0	1388.3	1398.4	1130.8	974.3	833.0	863.3	883.5
55°	8274.2	6153.9	1327.7	1201.5	1373.1	1373.1	1140.9	939.0	777.4	777.4	787.5
57.5°	8733.6	6219.6	1292.4	1135.9	1322.7	1297.4	1140.9	913.7	757.3	737.1	747.2
60°	9243.5	6259.9	1257.0	1060.2	1252.0	1206.6	1135.9	893.6	732.0	701.7	706.8
62.5°	9324.3	5977.2	1191.4	979.4	1156.1	1130.8	1115.7	868.3	691.6	631.0	631.0
65°	9036.5	5553.2	1110.6	878.4	1029.9	1055.1	1075.3	838.0	651.2	580.6	585.6
67.5°	9006.2	5235.1	1024.8	787.5	863.3	959.2	1024.8	787.5	590.7	530.1	525.0
68°	*8935.6*	*5119.0*	*999.6*	*767.3*	*833.0*	*939.0*	*994.5*	*767.3*	*580.6*	*520.0*	*520.0*
70°	8481.2	4614.2	848.1	676.5	737.1	767.3	873.4	681.5	520.0	469.5	474.5
72.5°	7597.7	3761.0	651.2	550.3	590.7	590.7	757.3	631.0	474.5	429.1	429.1
75°	6335.7	2973.5	494.7	434.2	414.0	479.6	615.9	570.5	419.0	383.7	368.5
77.5°	2877.6	1282.3	323.1	302.9	307.9	373.6	489.7	489.7	398.8	313.0	277.7
80°	636.1	398.8	196.9	181.7	181.7	237.3	343.3	353.4	287.8	217.1	186.8
82.5°	212.0	161.5	121.2	111.1	106.0	126.2	212.0	232.2	171.6	126.2	126.2
85°	80.8	75.7	65.6	60.6	50.5	50.5	65.6	106.0	90.9	60.6	60.6
87.5°	40.4	40.4	35.3	25.2	20.2	15.1	10.1	10.1	10.1	15.1	10.1
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

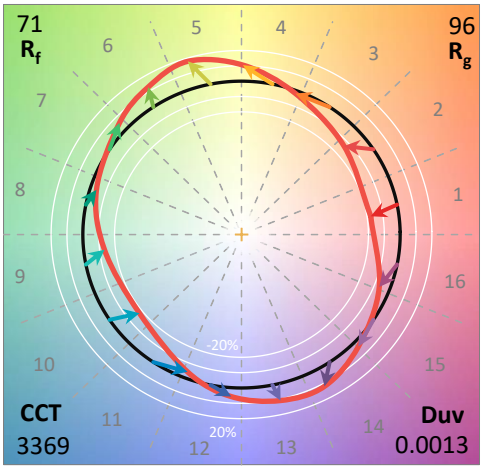
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

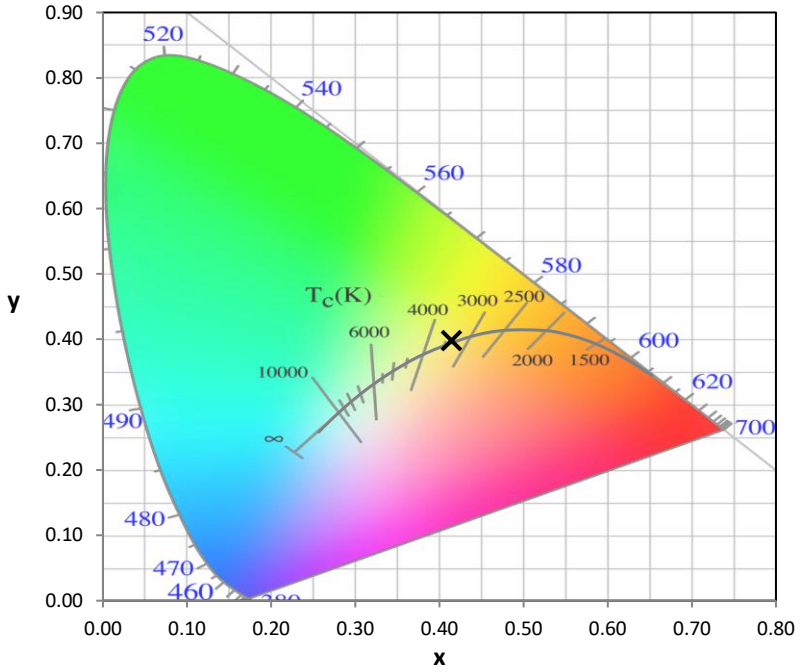
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

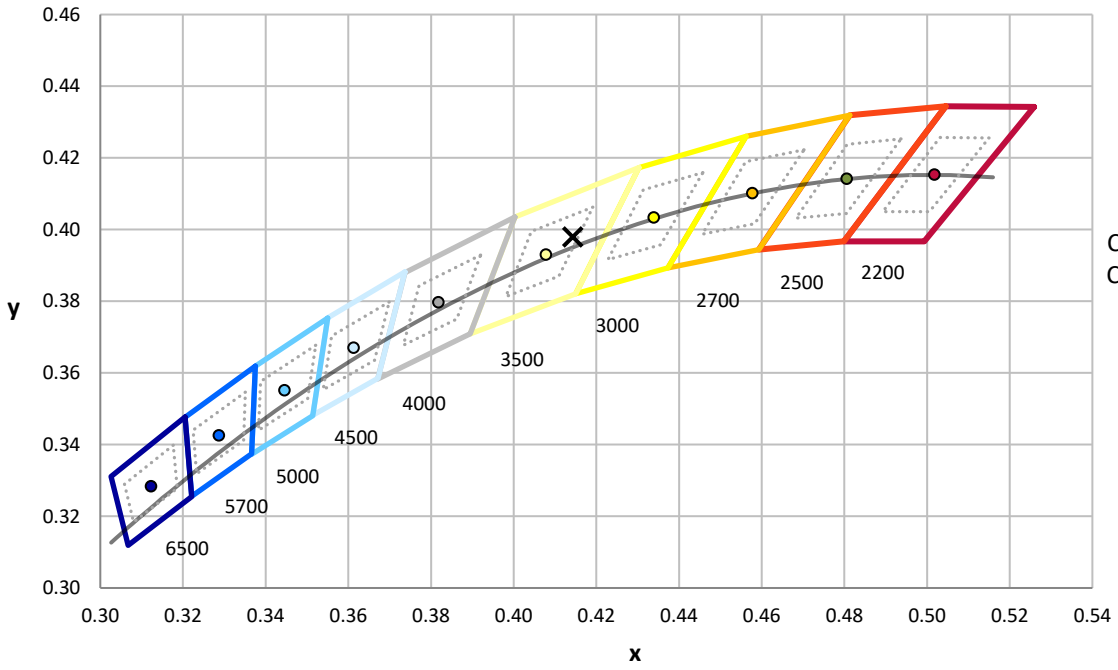
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

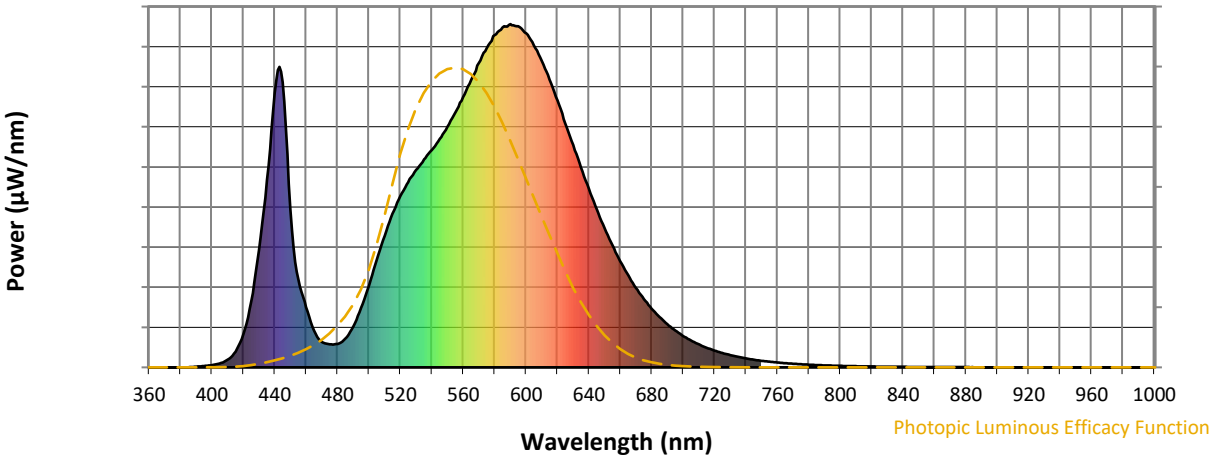


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

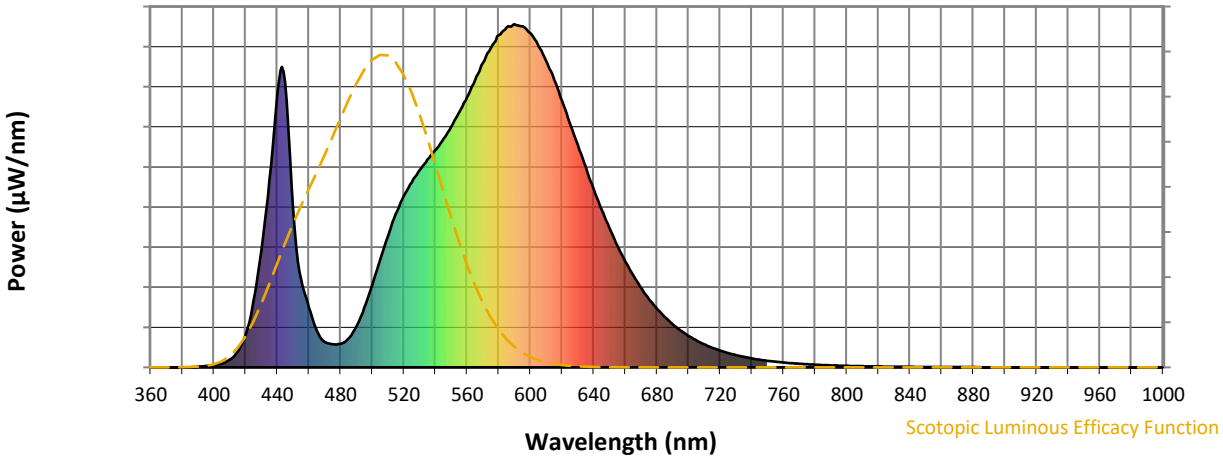


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

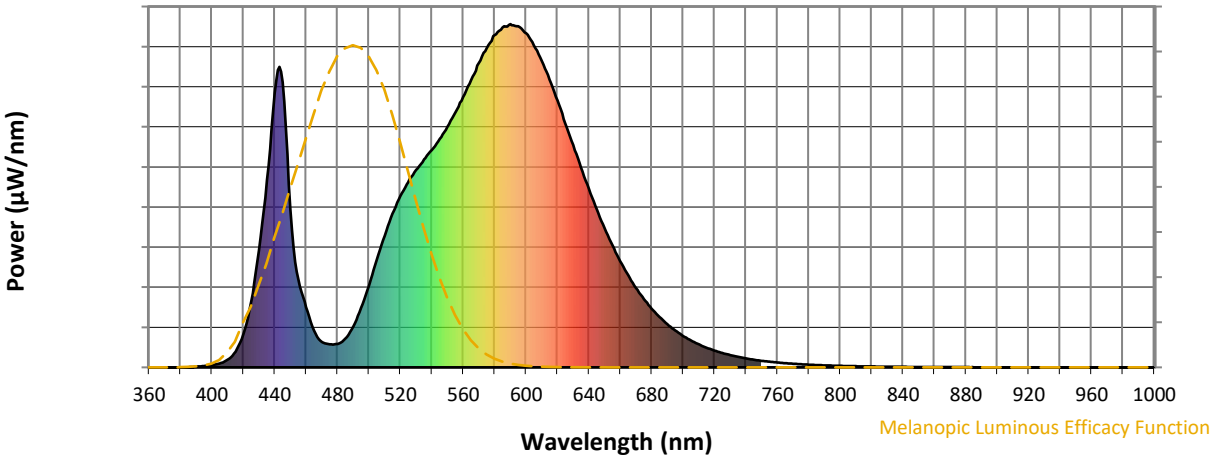


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

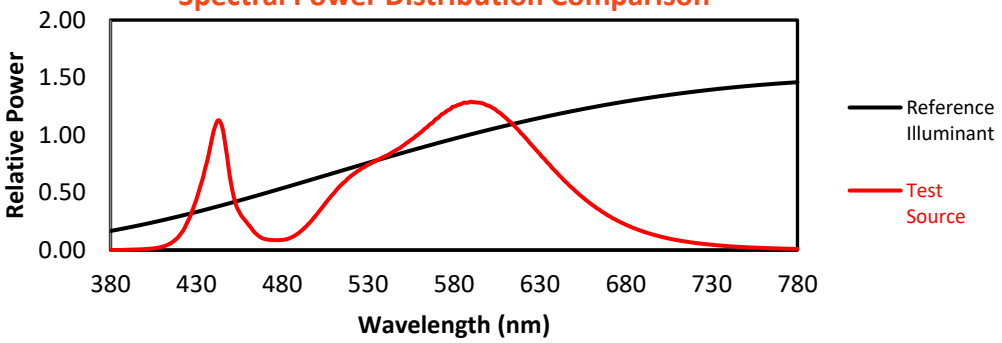
REPORT NUMBER: SP1-2407-184-5

TM-30-18

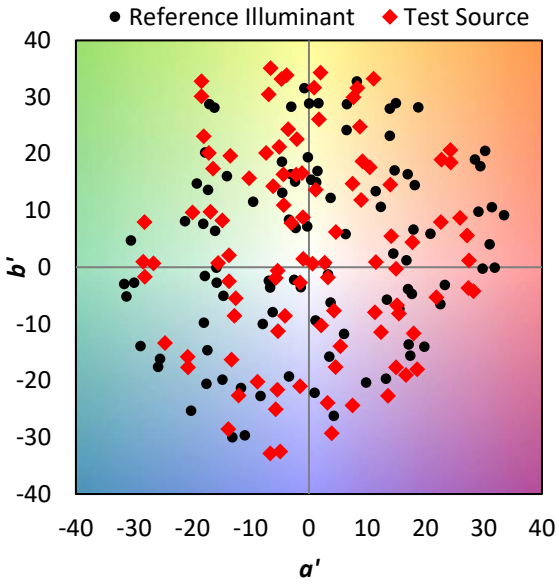
Summary

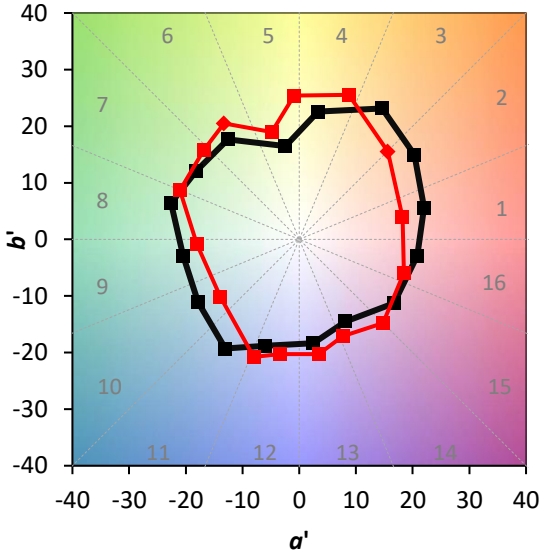
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

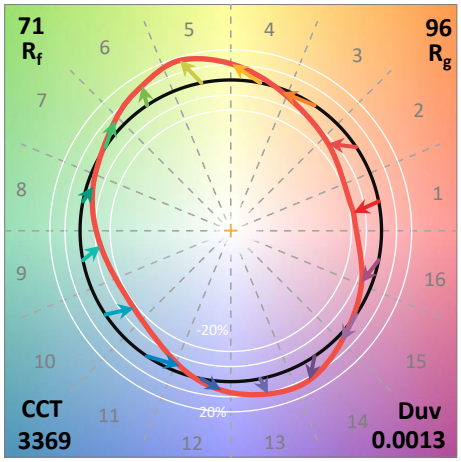
Spectral Power Distribution Comparison

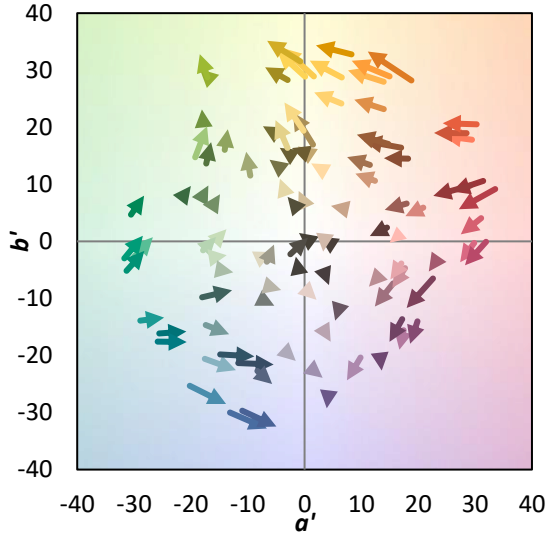


Color Vector Graphics







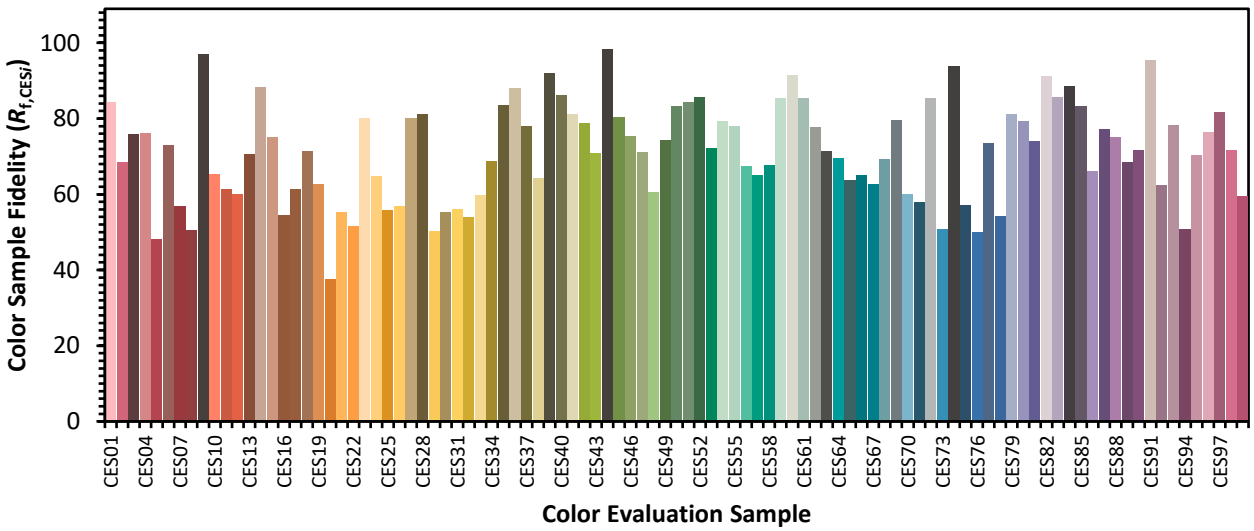


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

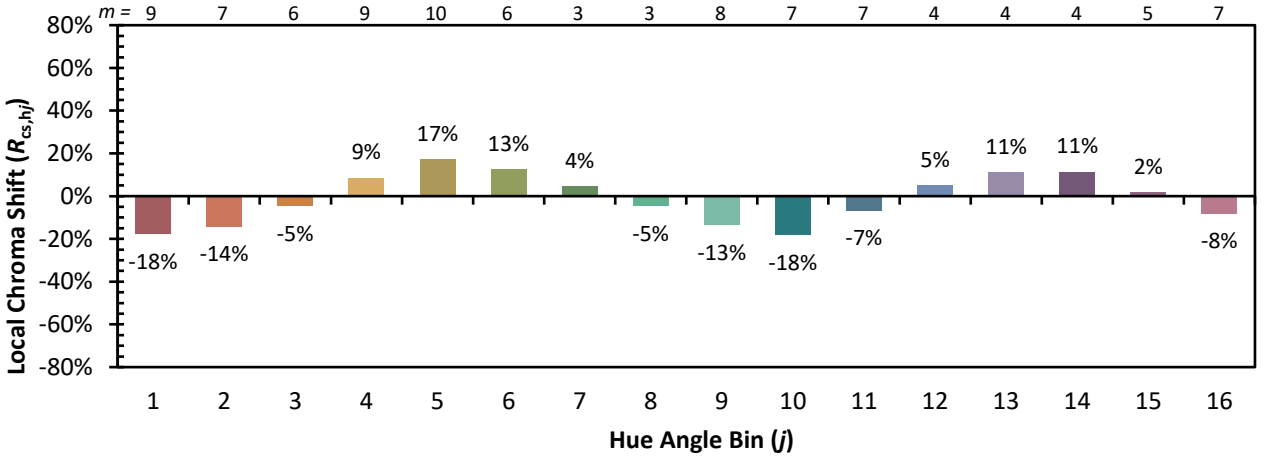
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

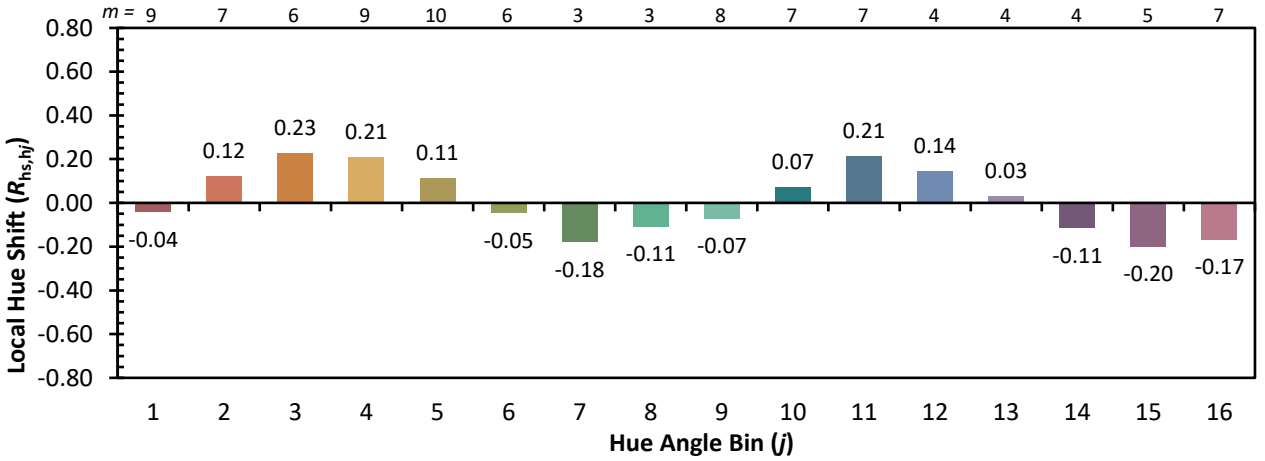


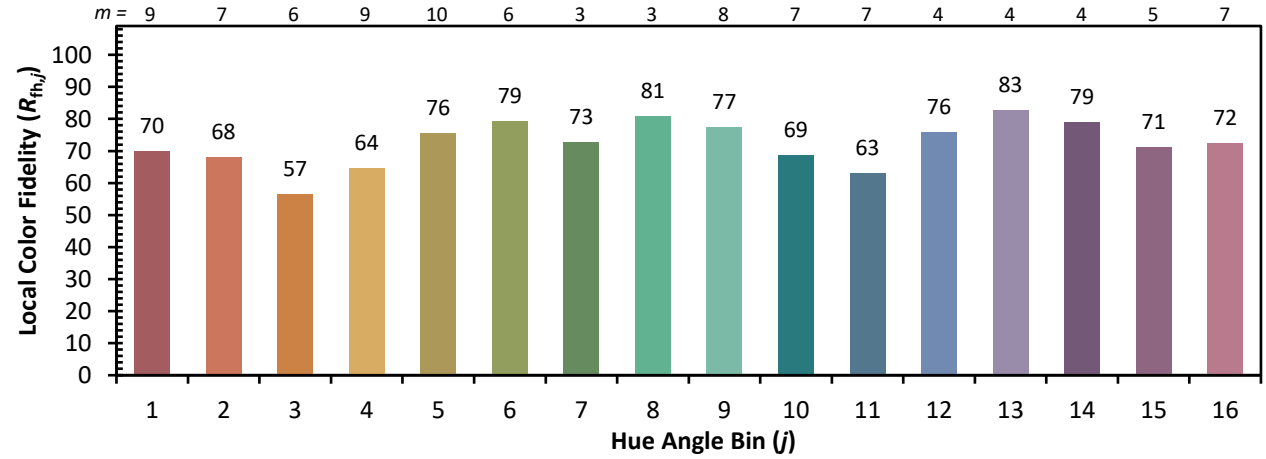
REPORT NUMBER: SP1-2407-184-5

TM-30-18

Color Rendition by Hue-Angle Bin



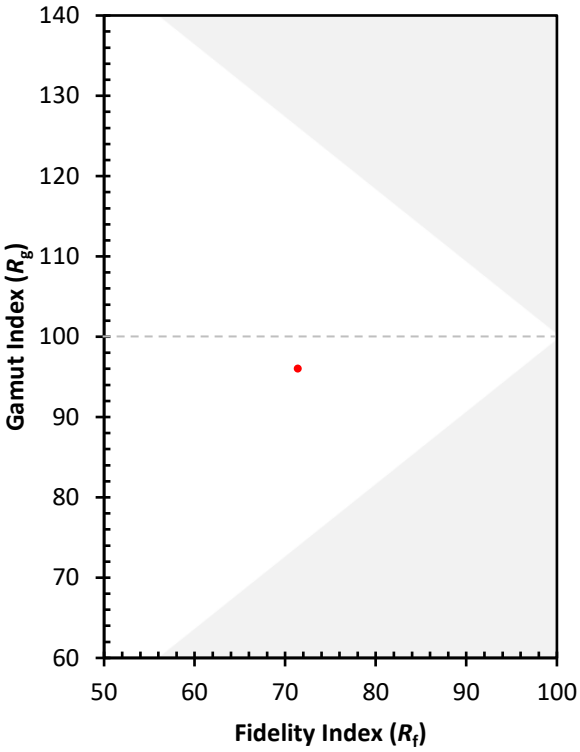


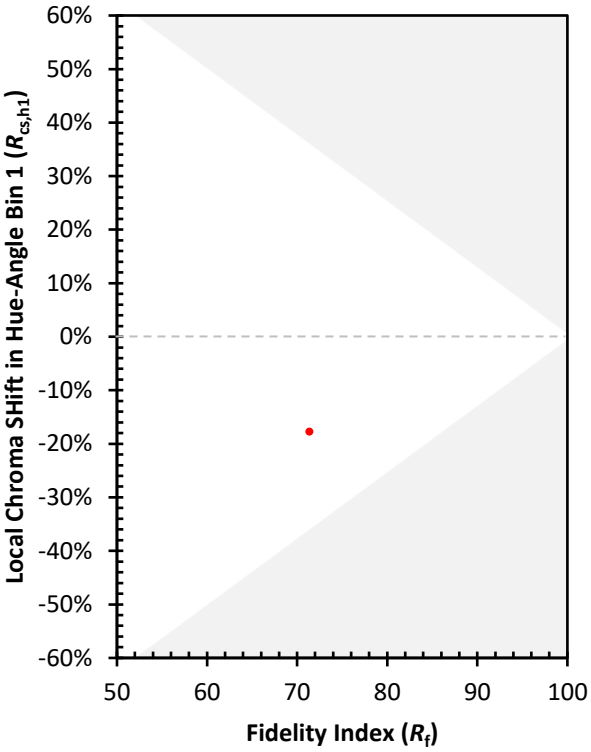


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Measure Comparisons





(END OF REPORT)