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: P1364947

Luminaire Tested: **GSS-SB4A-727-U-SLL**

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:	P1364947
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4A-727-U-SLL
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 114W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC
Light Source:	(104) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15333.9 lumens
Efficiency:	N/A
Efficacy:	134.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G3

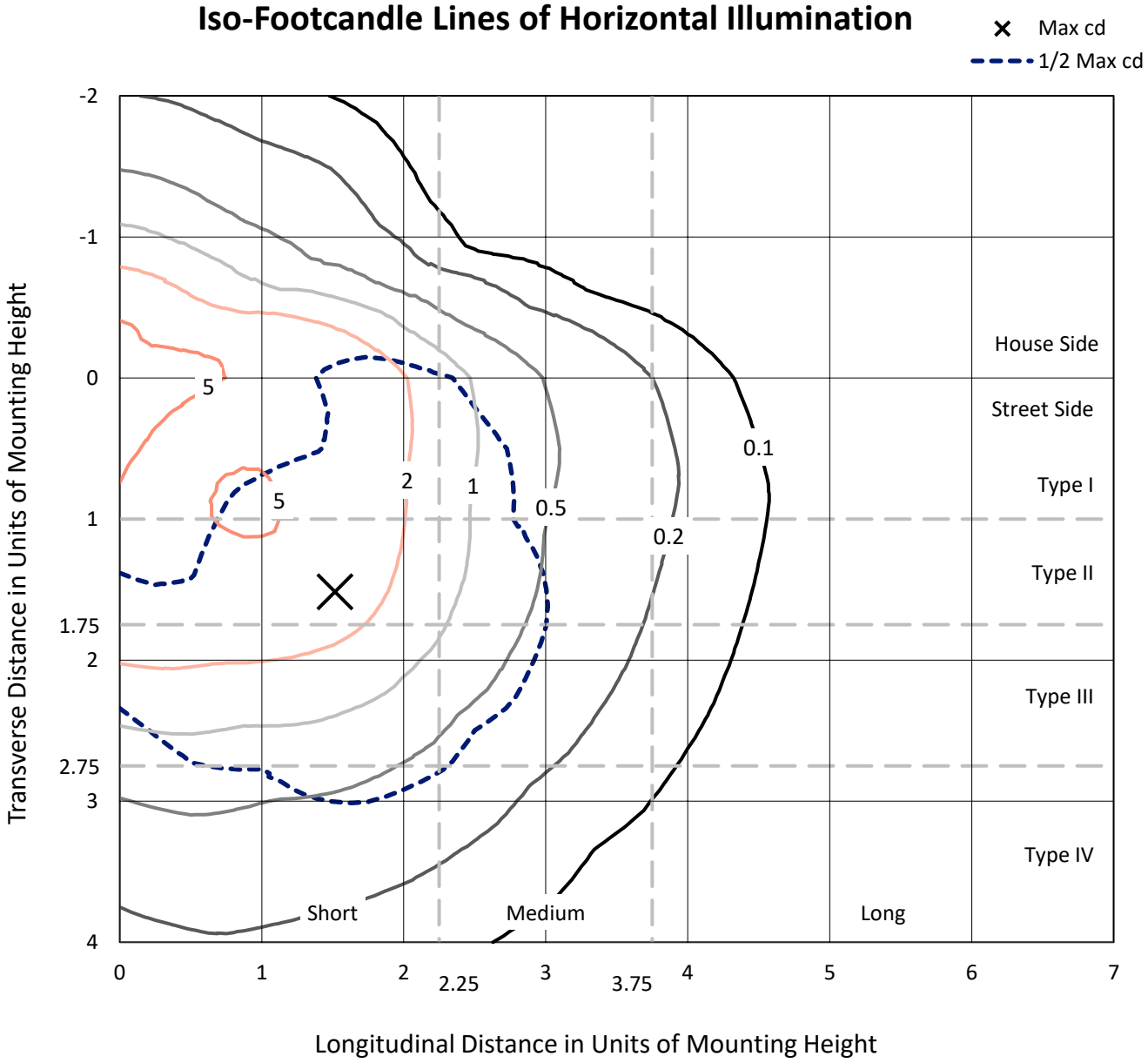
Input Watts (W):	114
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1364947
CATALOG NUMBER: GSS-SB4A-727-U-SLL

Iso-Footcandle Lines of Horizontal Illumination



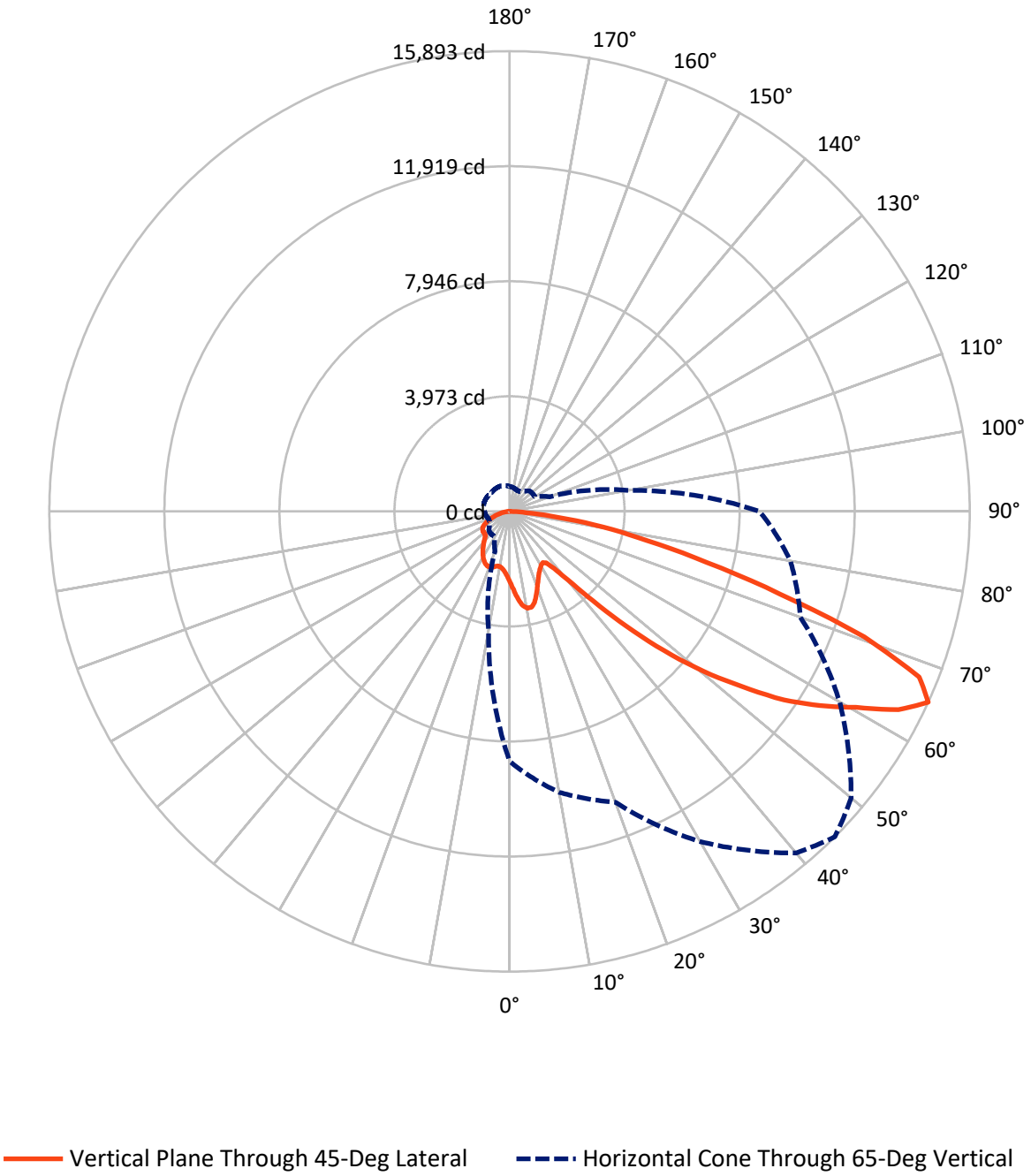
Based on 20 foot mounting height. Maximum calculated value = 8.1 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364947
CATALOG NUMBER: GSS-SB4A-727-U-SLL

Luminous Intensity Polar Plot



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

Scaled Data Report

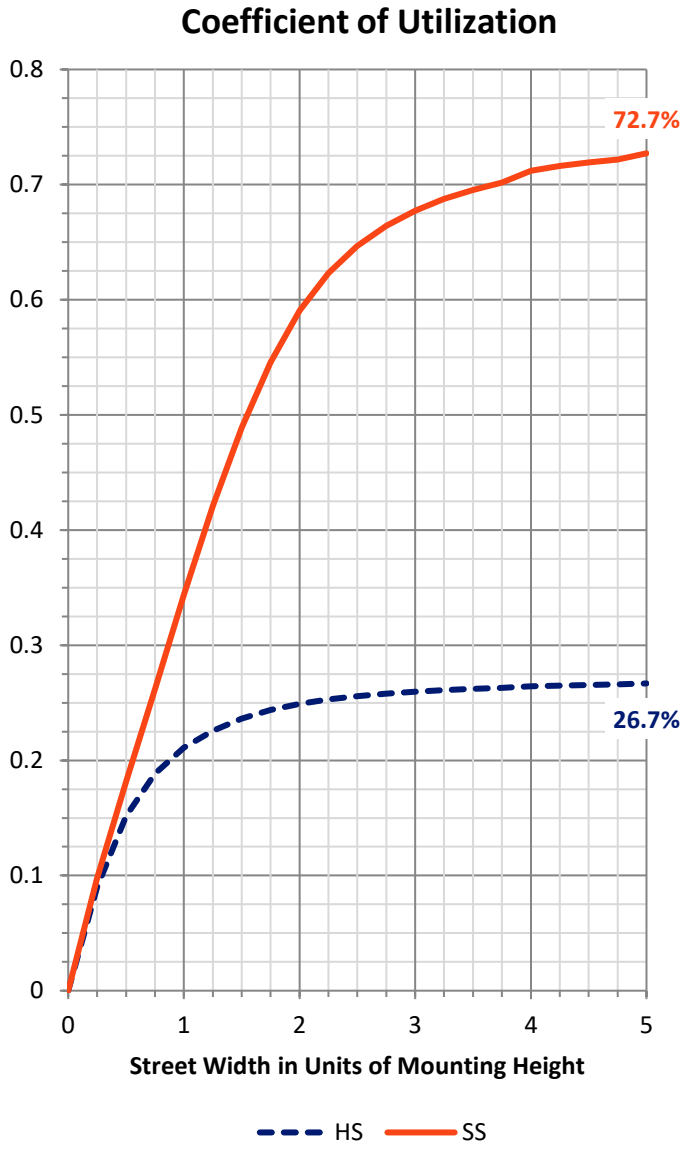
REPORT NUMBER: P1364947
CATALOG NUMBER: GSS-SB4A-727-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4125.2	0.0	4125.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	11208.7	0.0	11208.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	15333.9	0.0	15333.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.4	1.6
10°-20°	739.8	4.8
20°-30°	1145.0	7.5
30°-40°	1420.6	9.3
40°-50°	2077.4	13.5
50°-60°	3254.0	21.2
60°-70°	3861.1	25.2
70°-80°	2252.0	14.7
80°-90°	342.6	2.2
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°	15333.9	100.0
0°-180°	15333.9	100.0



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

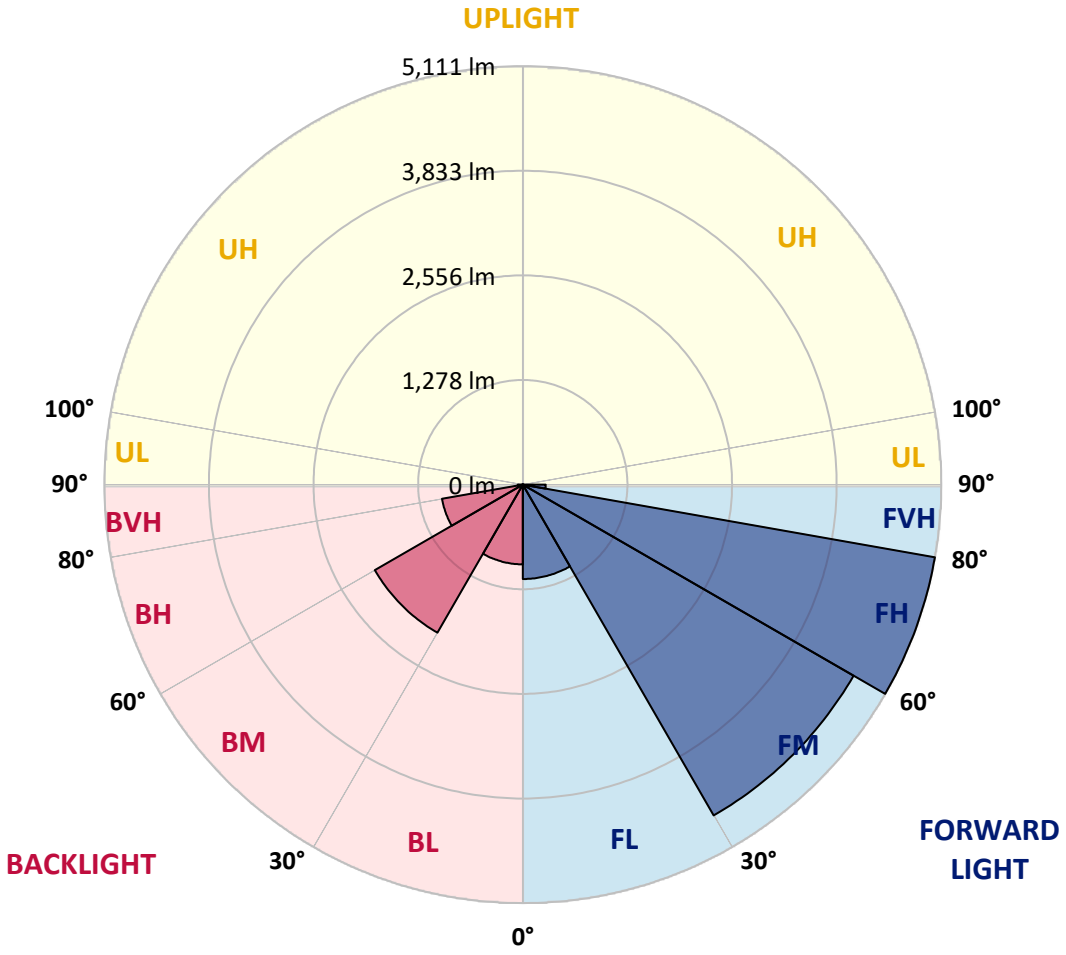
Scaled Data Report

REPORT NUMBER: P1364947
CATALOG NUMBER: GSS-SB4A-727-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1152.5	7.5			
FM	(30°-60°)	4664.9	30.4			
FH	(60°-80°)	5111.2	33.3			G3/7500
FVH	(80°-90°)	280.2	1.8			G3/500
BL	(0°-30°)	973.8	6.4	B2/1000		
BM	(30°-60°)	2087.1	13.6	B2/2500		
BH	(60°-80°)	1001.8	6.5	B3/2500		G3/2500
BVH	(80°-90°)	62.4	0.4			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 IV Short



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

Scaled Data Report

REPORT NUMBER: P1364947
CATALOG NUMBER: GSS-SB4A-727-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	*2445.0*	2445.0
2.5°	2641.9	2651.3	2660.6	2670.8	2681.3	2687.3	2693.3	2699.6	2705.6	*2711.3*	2705.6
5°	2821.9	2864.3	2906.3	2934.8	2963.3	2985.0	3006.8	3019.1	3031.9	*3033.8*	3031.9
7.5°	3003.8	3054.0	3104.3	3147.8	3191.3	3219.0	3246.8	3262.9	3279.4	*3285.0*	3279.4
10°	3118.1	3177.0	3236.3	3278.3	3320.6	3346.5	3372.0	3384.8	3397.5	*3401.3*	3397.5
12.5°	3176.3	3232.9	3289.5	3322.1	3354.4	3370.9	3387.0	3393.0	3398.3	*3393.8*	3398.3
15°	3204.4	3237.8	3270.8	3284.6	3298.1	3290.3	3282.0	3270.4	3258.8	*3251.3*	3258.8
17.5°	3211.9	3223.5	3235.5	3210.4	3185.6	3140.6	3095.6	3061.9	3028.1	*3003.8*	3028.1
20°	3236.3	3217.5	3198.8	3132.0	3065.6	2981.3	2896.9	2840.3	2783.3	*2748.8*	2783.3
22.5°	3262.5	3209.6	3156.8	3044.6	2932.5	2817.0	2701.9	2636.6	2571.8	*2535.0*	2571.8
25°	3303.8	3213.0	3121.9	2970.4	2819.3	2683.5	2548.1	2477.3	2406.8	*2366.3*	2406.8
27.5°	3363.8	3225.0	3086.3	2898.8	2711.3	2564.3	2416.9	2349.4	2281.9	*2246.3*	2281.9
30°	3448.1	3264.0	3079.5	2855.3	2630.6	2476.9	2323.1	2257.1	2190.8	*2152.5*	2190.8
32.5°	3551.3	3318.8	3086.3	2835.0	2583.8	2427.0	2270.6	2207.3	2144.3	*2111.3*	2144.3
35°	3725.6	3431.3	3136.9	2858.3	2580.0	2434.5	2289.4	2242.9	2196.8	*2178.8*	2196.8
37.5°	3946.9	3603.0	3258.8	2971.9	2685.0	2586.0	2487.0	2487.0	2487.0	*2501.3*	2487.0
40°	4273.1	3886.9	3500.6	3229.1	2958.0	2952.0	2946.8	3009.8	3073.1	*3101.3*	3073.1
42.5°	4730.6	4322.3	3914.3	3695.3	3476.3	3607.5	3738.8	3921.0	4103.3	*4222.5*	4103.3
45°	5298.8	4901.3	4503.8	4350.8	4198.1	4490.3	4782.0	5104.1	5426.3	*5655.0*	5426.3
47.5°	5842.5	5508.0	5173.1	5085.8	4998.8	5484.4	5970.0	6442.2	6914.3	*7192.5*	6914.3
50°	6472.5	6171.8	5870.6	5853.8	5836.9	6483.8	7130.7	7740.0	8349.4	*8688.8*	8349.4
52.5°	7280.7	6950.3	6619.5	6633.0	6645.8	7414.2	8182.5	8919.4	9656.3	*10038.8*	9656.3
55°	8246.3	7831.9	7417.5	7415.3	7413.0	8295.8	9179.3	10084.5	10990.5	*11501.3*	10990.5
57.5°	9230.7	8842.5	8454.4	8362.2	8269.5	9192.8	10115.7	11115.4	12115.5	*12652.5*	12115.5
60°	9969.4	9755.7	9541.9	9394.2	9246.8	10194.8	11143.2	12175.9	13208.3	*13743.8*	13208.3
62.5°	9663.8	10045.9	10428.0	10417.2	10406.3	11429.7	12453.0	13527.1	14601.8	*15082.6*	14601.8
65°	*8632.5*	*9241.9*	*9851.3*	*10270.5*	*10689.4*	*11926.5*	*13163.3*	*14282.3*	*15401.3*	*15892.6*	*15401.3*
67.5°	7665.0	8202.0	8739.4	9082.5	9425.7	10819.5	12213.8	13483.6	14753.3	*15258.8*	14753.3
70°	6738.8	7333.5	7928.3	8173.5	8418.8	9603.0	10786.9	11791.5	12795.8	*12993.8*	12795.8
72.5°	5784.4	6491.7	7199.3	7303.2	7407.0	8268.8	9130.5	9665.7	10200.8	*9768.8*	10200.8
75°	4736.3	5534.3	6331.9	6401.3	6470.7	6739.2	7008.0	7144.2	7280.7	*7035.0*	7280.7
77.5°	3150.0	3840.8	4531.9	4687.5	4843.1	5022.0	5201.3	5191.9	5182.5	*4837.5*	5182.5
80°	1848.8	2389.1	2929.5	2949.8	2970.0	3104.3	3238.1	3375.0	3511.9	*3292.5*	3511.9
82.5°	924.4	1221.0	1518.0	1563.8	1609.5	1691.6	1773.8	1812.0	1850.6	*1665.0*	1850.6
85°	210.0	287.3	364.5	439.1	513.8	600.0	686.3	676.5	666.8	*562.5*	666.8
87.5°	16.9	17.3	18.0	18.4	18.8	19.1	19.5	20.6	21.8	*22.5*	21.8
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: P1364947
CATALOG NUMBER: GSS-SB4A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0
2.5°	2699.6	2693.3	2687.3	2681.3	2670.8	2660.6	2651.3	2641.9	2617.9	2594.3	2572.5
5°	3019.1	3006.8	2985.0	2963.3	2934.8	2906.3	2864.3	2821.9	2779.5	2737.5	2693.3
7.5°	3262.9	3246.8	3219.0	3191.3	3147.8	3104.3	3054.0	3003.8	2932.5	2861.3	2794.1
10°	3384.8	3372.0	3346.5	3320.6	3278.3	3236.3	3177.0	3118.1	3033.0	2947.5	2864.3
12.5°	3393.0	3387.0	3370.9	3354.4	3322.1	3289.5	3232.9	3176.3	3091.5	3006.8	2913.4
15°	3270.4	3282.0	3290.3	3298.1	3284.6	3270.8	3237.8	3204.4	3118.5	3033.0	2938.1
17.5°	3061.9	3095.6	3140.6	3185.6	3210.4	3235.5	3223.5	3211.9	3131.6	3051.8	2950.5
20°	2840.3	2896.9	2981.3	3065.6	3132.0	3198.8	3217.5	3236.3	3155.3	3074.3	2965.5
22.5°	2636.6	2701.9	2817.0	2932.5	3044.6	3156.8	3209.6	3262.5	3188.3	3114.4	2994.8
25°	2477.3	2548.1	2683.5	2819.3	2970.4	3121.9	3213.0	3303.8	3239.6	3175.5	3045.0
27.5°	2349.4	2416.9	2564.3	2711.3	2898.8	3086.3	3225.0	3363.8	3314.6	3265.5	3118.5
30°	2257.1	2323.1	2476.9	2630.6	2855.3	3079.5	3264.0	3448.1	3409.5	3371.3	3205.5
32.5°	2207.3	2270.6	2427.0	2583.8	2835.0	3086.3	3318.8	3551.3	3527.3	3503.3	3307.9
35°	2242.9	2289.4	2434.5	2580.0	2858.3	3136.9	3431.3	3725.6	3695.6	3665.6	3416.6
37.5°	2487.0	2487.0	2586.0	2685.0	2971.9	3258.8	3603.0	3946.9	3911.3	3875.6	3549.4
40°	3009.8	2946.8	2952.0	2958.0	3229.1	3500.6	3886.9	4273.1	4203.0	4132.5	3701.3
42.5°	3921.0	3738.8	3607.5	3476.3	3695.3	3914.3	4322.3	4730.6	4582.1	4433.3	3869.3
45°	5104.1	4782.0	4490.3	4198.1	4350.8	4503.8	4901.3	5298.8	5060.6	4822.5	4097.3
47.5°	6442.2	5970.0	5484.4	4998.8	5085.8	5173.1	5508.0	5842.5	5541.0	5239.5	4331.6
50°	7740.0	7130.7	6483.8	5836.9	5853.8	5870.6	6171.8	6472.5	6063.8	5655.0	4536.0
52.5°	8919.4	8182.5	7414.2	6645.8	6633.0	6619.5	6950.3	7280.7	6631.5	5982.0	4632.8
55°	10084.5	9179.3	8295.8	7413.0	7415.3	7417.5	7831.9	8246.3	7201.9	6157.5	4607.3
57.5°	11115.4	10115.7	9192.8	8269.5	8362.2	8454.4	8842.5	9230.7	7680.8	6131.3	4468.1
60°	12175.9	11143.2	10194.8	9246.8	9394.2	9541.9	9755.7	9969.4	7895.3	5820.8	4134.8
62.5°	13527.1	12453.0	11429.7	10406.3	10417.2	10428.0	10045.9	9663.8	7419.4	5175.0	3588.4
65°	*14282.3*	*13163.3*	*11926.5*	*10689.4*	*10270.5*	*9851.3*	*9241.9*	*8632.5*	*6399.4*	*4166.3*	*2814.8*
67.5°	13483.6	12213.8	10819.5	9425.7	9082.5	8739.4	8202.0	7665.0	5496.0	3327.0	2190.4
70°	11791.5	10786.9	9603.0	8418.8	8173.5	7928.3	7333.5	6738.8	4669.1	2599.5	1678.5
72.5°	9665.7	9130.5	8268.8	7407.0	7303.2	7199.3	6491.7	5784.4	3877.1	1969.5	1261.9
75°	7144.2	7008.0	6739.2	6470.7	6401.3	6331.9	5534.3	4736.3	3095.6	1455.0	935.3
77.5°	5191.9	5201.3	5022.0	4843.1	4687.5	4531.9	3840.8	3150.0	2031.0	912.0	604.5
80°	3375.0	3238.1	3104.3	2970.0	2949.8	2929.5	2389.1	1848.8	1164.4	480.0	334.1
82.5°	1812.0	1773.8	1691.6	1609.5	1563.8	1518.0	1221.0	924.4	583.5	243.0	179.6
85°	676.5	686.3	600.0	513.8	439.1	364.5	287.3	210.0	138.8	67.5	57.0
87.5°	20.6	19.5	19.1	18.8	18.4	18.0	17.3	16.9	16.5	15.8	15.4
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: P1364947
CATALOG NUMBER: GSS-SB4A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0
2.5°	2550.8	2529.0	2506.9	2485.9	2464.5	2443.1	2424.4	2404.1	2384.3	2368.5	2353.1
5°	2649.4	2606.3	2563.1	2522.3	2481.8	2439.4	2403.0	2367.0	2331.8	2302.5	2273.3
7.5°	2727.0	2667.0	2607.0	2553.4	2499.4	2443.1	2399.3	2355.4	2311.9	2274.0	2235.8
10°	2780.6	2706.8	2632.5	2570.6	2508.8	2448.8	2401.9	2355.8	2310.0	2271.0	2232.0
12.5°	2820.0	2737.1	2654.3	2586.0	2518.1	2452.5	2406.8	2368.5	2330.6	2303.3	2276.3
15°	2843.3	2754.0	2664.4	2587.5	2510.6	2437.5	2397.0	2372.3	2347.5	2345.3	2343.0
17.5°	2849.3	2747.3	2645.6	2556.0	2466.8	2381.3	2346.8	2343.4	2340.0	2377.1	2414.3
20°	2856.8	2737.1	2617.5	2499.8	2382.0	2268.8	2247.0	2268.4	2289.4	2362.1	2434.5
22.5°	2875.5	2729.3	2583.0	2435.3	2287.5	2152.5	2131.9	2163.4	2194.5	2289.4	2384.3
25°	2914.5	2728.5	2542.5	2358.4	2174.3	2019.4	2017.5	2051.6	2085.8	2173.5	2261.3
27.5°	2971.9	2735.6	2499.4	2279.6	2059.5	1901.3	1910.6	1943.3	1976.3	2041.5	2106.8
30°	3039.4	2751.0	2463.0	2211.0	1959.4	1805.6	1815.8	1841.3	1866.8	1914.0	1961.3
32.5°	3112.5	2768.3	2424.4	2151.0	1878.0	1736.3	1736.3	1747.1	1758.0	1788.8	1819.5
35°	3168.0	2764.1	2360.6	2082.8	1804.5	1695.0	1671.8	1662.8	1653.8	1674.0	1694.3
37.5°	3223.1	2752.5	2281.9	2007.0	1732.5	1646.3	1602.0	1578.0	1553.3	1563.0	1572.0
40°	3270.0	2726.3	2182.5	1916.6	1650.8	1582.5	1527.0	1491.0	1455.0	1454.3	1453.1
42.5°	3304.5	2680.9	2056.9	1809.0	1560.8	1513.1	1444.5	1398.8	1353.0	1348.1	1343.3
45°	3372.0	2649.8	1927.5	1699.5	1471.9	1428.8	1360.5	1313.3	1266.8	1259.3	1251.8
47.5°	3423.8	2613.4	1803.0	1590.8	1379.3	1329.4	1265.6	1225.5	1185.0	1180.5	1175.6
50°	3417.0	2551.5	1685.6	1494.0	1302.0	1233.8	1170.8	1137.8	1104.4	1110.0	1115.6
52.5°	3283.1	2424.8	1566.8	1407.0	1248.0	1160.6	1093.1	1068.4	1043.3	1060.9	1078.1
55°	3057.0	2256.8	1455.8	1334.3	1212.0	1125.0	1045.5	1017.8	990.0	1014.8	1039.5
57.5°	2805.0	2080.9	1356.8	1272.8	1188.8	1115.6	1018.1	979.1	940.5	965.3	990.0
60°	2448.8	1858.5	1268.3	1209.4	1150.5	1093.1	995.6	946.9	898.1	914.6	930.8
62.5°	2001.8	1576.5	1151.3	1118.3	1085.6	1061.3	968.3	904.5	840.8	843.0	844.5
65°	*1463.3*	*1239.0*	*1014.4*	*1007.3*	*1000.5*	*993.8*	*916.9*	*848.3*	*780.0*	*772.5*	*765.0*
67.5°	1053.8	947.3	840.8	860.6	880.5	890.6	838.1	777.8	717.0	701.6	686.3
70°	757.5	720.0	682.5	712.1	741.8	738.8	713.3	677.3	641.3	631.5	621.8
72.5°	554.3	553.5	553.1	575.6	598.1	568.1	584.3	576.0	568.1	561.0	554.3
75°	415.5	412.9	410.6	437.3	464.3	476.3	486.8	482.3	478.1	472.9	468.0
77.5°	297.0	299.3	300.8	330.0	359.3	393.8	395.6	385.9	375.8	370.5	364.5
80°	188.3	190.5	192.0	222.8	253.1	301.9	300.0	288.0	275.6	271.5	267.0
82.5°	116.3	116.6	117.0	132.0	147.0	174.4	181.9	181.9	181.9	179.3	176.3
85°	46.9	49.1	51.8	61.5	71.3	86.3	90.8	91.5	91.9	87.8	83.3
87.5°	15.0	15.8	16.9	18.8	20.6	22.5	26.3	28.5	30.8	33.0	34.5
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: P1364947
CATALOG NUMBER: GSS-SB4A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0
2.5°	2339.6	2325.8	2309.6	2293.1	2281.5	2269.5	2261.6	2253.8	2250.0	2246.3	2243.3
5°	2249.3	2224.5	2202.8	2180.6	2163.4	2145.8	2131.5	2116.9	2110.9	2104.5	2100.4
7.5°	2203.5	2171.3	2144.3	2116.9	2091.0	2065.5	2049.0	2032.5	2022.8	2013.0	2005.9
10°	2197.9	2163.8	2128.1	2092.5	2064.0	2035.5	2010.8	1986.8	1972.9	1959.4	1951.9
12.5°	2244.8	2213.3	2170.9	2128.1	2089.5	2051.3	2020.9	1990.5	1973.3	1956.8	1945.5
15°	2332.1	2321.3	2281.9	2242.5	2189.3	2135.6	2092.1	2048.3	2024.3	1999.5	1985.6
17.5°	2435.6	2457.0	2429.6	2401.9	2326.9	2251.9	2187.0	2122.5	2087.3	2052.0	2039.6
20°	2492.3	2550.0	2547.0	2544.4	2446.5	2348.3	2263.1	2178.0	2130.8	2084.3	2065.5
22.5°	2467.5	2550.8	2572.1	2593.1	2497.1	2400.8	2295.8	2190.8	2135.3	2079.4	2061.8
25°	2350.9	2440.5	2480.3	2520.0	2440.9	2361.8	2259.8	2158.1	2099.6	2040.8	2022.8
27.5°	2178.8	2250.8	2295.4	2340.0	2291.6	2243.3	2160.8	2078.3	2026.5	1974.4	1955.3
30°	2010.0	2058.8	2094.4	2130.0	2098.1	2066.3	2007.0	1948.1	1909.5	1871.3	1859.3
32.5°	1855.9	1891.9	1911.8	1931.3	1906.5	1881.8	1842.8	1803.8	1779.8	1755.8	1747.9
35°	1723.5	1753.1	1768.1	1783.1	1762.5	1741.9	1707.0	1672.5	1655.3	1638.0	1631.6
37.5°	1597.1	1621.9	1643.3	1665.0	1650.0	1635.0	1605.4	1575.8	1555.5	1534.5	1523.3
40°	1477.1	1500.8	1527.8	1554.4	1551.8	1548.8	1520.6	1492.5	1463.3	1434.4	1419.0
42.5°	1366.9	1390.5	1419.0	1447.5	1453.1	1458.8	1435.5	1411.9	1378.1	1344.4	1320.8
45°	1272.0	1293.0	1324.1	1355.6	1368.8	1381.9	1360.9	1339.5	1301.6	1263.8	1235.6
47.5°	1197.0	1218.8	1253.3	1288.1	1302.0	1316.3	1302.0	1288.1	1255.5	1222.5	1197.8
50°	1139.3	1162.5	1189.5	1216.9	1242.8	1268.3	1265.6	1263.0	1237.1	1211.3	1188.0
52.5°	1099.5	1121.3	1149.4	1177.5	1204.5	1231.9	1236.0	1240.5	1221.8	1203.0	1182.8
55°	1065.4	1091.3	1117.5	1143.8	1169.3	1194.4	1200.0	1205.6	1192.1	1178.3	1163.3
57.5°	1018.1	1046.3	1072.5	1098.8	1128.4	1158.0	1162.5	1167.0	1152.8	1138.1	1126.9
60°	959.6	988.1	1015.5	1042.5	1072.5	1102.5	1108.5	1114.5	1103.3	1092.0	1081.5
62.5°	877.1	909.4	931.9	954.4	982.9	1011.8	1020.4	1029.4	1024.1	1019.3	1007.3
65°	*795.8*	*826.9*	*844.5*	*862.5*	*887.3*	*912.0*	*920.6*	*929.3*	*926.6*	*924.4*	*915.8*
67.5°	714.8	743.3	757.9	772.5	789.4	806.3	816.0	825.8	820.9	815.6	806.6
70°	645.0	668.3	681.0	693.8	707.3	720.8	726.0	731.3	723.8	716.3	696.0
72.5°	571.9	589.5	600.4	611.3	624.0	636.8	639.8	643.1	631.5	619.5	595.9
75°	481.5	495.0	503.3	511.9	525.0	538.1	543.8	549.4	532.9	516.8	491.6
77.5°	376.9	389.3	397.1	405.0	415.9	426.8	428.3	430.5	416.3	402.0	387.0
80°	276.0	285.0	288.0	290.6	299.6	308.3	308.3	308.3	297.8	286.9	279.4
82.5°	174.4	172.5	168.8	165.0	174.0	183.0	186.0	189.4	184.5	180.0	171.8
85°	78.0	72.0	70.9	69.4	69.0	68.3	70.9	73.1	72.0	71.3	68.3
87.5°	36.8	38.3	37.1	35.6	34.1	33.0	30.0	27.0	24.8	22.5	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

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

Scaled Data Report

REPORT NUMBER: P1364947
CATALOG NUMBER: GSS-SB4A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0
2.5°	2240.6	2238.8	2240.6	2243.3	2246.3	2250.0	2253.8	2261.6	2269.5	2281.5	2293.1
5°	2096.3	2092.5	2096.3	2100.4	2104.5	2110.9	2116.9	2131.5	2145.8	2163.4	2180.6
7.5°	1998.8	1995.0	1998.8	2005.9	2013.0	2022.8	2032.5	2049.0	2065.5	2091.0	2116.9
10°	1944.4	1938.8	1944.4	1951.9	1959.4	1972.9	1986.8	2010.8	2035.5	2064.0	2092.5
12.5°	1934.3	1927.5	1934.3	1945.5	1956.8	1973.3	1990.5	2020.9	2051.3	2089.5	2128.1
15°	1971.8	1961.3	1971.8	1985.6	1999.5	2024.3	2048.3	2092.1	2135.6	2189.3	2242.5
17.5°	2026.9	2021.3	2026.9	2039.6	2052.0	2087.3	2122.5	2187.0	2251.9	2326.9	2401.9
20°	2046.8	2040.0	2046.8	2065.5	2084.3	2130.8	2178.0	2263.1	2348.3	2446.5	2544.4
22.5°	2043.8	2036.3	2043.8	2061.8	2079.4	2135.3	2190.8	2295.8	2400.8	2497.1	2593.1
25°	2004.4	1998.8	2004.4	2022.8	2040.8	2099.6	2158.1	2259.8	2361.8	2440.9	2520.0
27.5°	1935.8	1923.8	1935.8	1955.3	1974.4	2026.5	2078.3	2160.8	2243.3	2291.6	2340.0
30°	1846.9	1841.3	1846.9	1859.3	1871.3	1909.5	1948.1	2007.0	2066.3	2098.1	2130.0
32.5°	1740.0	1736.3	1740.0	1747.9	1755.8	1779.8	1803.8	1842.8	1881.8	1906.5	1931.3
35°	1625.6	1620.0	1625.6	1631.6	1638.0	1655.3	1672.5	1707.0	1741.9	1762.5	1783.1
37.5°	1512.0	1503.8	1512.0	1523.3	1534.5	1555.5	1575.8	1605.4	1635.0	1650.0	1665.0
40°	1403.3	1395.0	1403.3	1419.0	1434.4	1463.3	1492.5	1520.6	1548.8	1551.8	1554.4
42.5°	1297.5	1282.5	1297.5	1320.8	1344.4	1378.1	1411.9	1435.5	1458.8	1453.1	1447.5
45°	1207.5	1188.8	1207.5	1235.6	1263.8	1301.6	1339.5	1360.9	1381.9	1368.8	1355.6
47.5°	1173.0	1155.0	1173.0	1197.8	1222.5	1255.5	1288.1	1302.0	1316.3	1302.0	1288.1
50°	1164.4	1147.5	1164.4	1188.0	1211.3	1237.1	1263.0	1265.6	1268.3	1242.8	1216.9
52.5°	1162.5	1147.5	1162.5	1182.8	1203.0	1221.8	1240.5	1236.0	1231.9	1204.5	1177.5
55°	1148.3	1136.3	1148.3	1163.3	1178.3	1192.1	1205.6	1200.0	1194.4	1169.3	1143.8
57.5°	1115.6	1110.0	1115.6	1126.9	1138.1	1152.8	1167.0	1162.5	1158.0	1128.4	1098.8
60°	1070.6	1061.3	1070.6	1081.5	1092.0	1103.3	1114.5	1108.5	1102.5	1072.5	1042.5
62.5°	995.6	982.5	995.6	1007.3	1019.3	1024.1	1029.4	1020.4	1011.8	982.9	954.4
65°	*907.5*	*892.5*	*907.5*	*915.8*	*924.4*	*926.6*	*929.3*	*920.6*	*912.0*	*887.3*	*862.5*
67.5°	798.0	795.0	798.0	806.6	815.6	820.9	825.8	816.0	806.3	789.4	772.5
70°	675.8	652.5	675.8	696.0	716.3	723.8	731.3	726.0	720.8	707.3	693.8
72.5°	571.9	547.5	571.9	595.9	619.5	631.5	643.1	639.8	636.8	624.0	611.3
75°	466.9	450.0	466.9	491.6	516.8	532.9	549.4	543.8	538.1	525.0	511.9
77.5°	372.0	363.8	372.0	387.0	402.0	416.3	430.5	428.3	426.8	415.9	405.0
80°	271.9	266.3	271.9	279.4	286.9	297.8	308.3	308.3	308.3	299.6	290.6
82.5°	163.1	157.5	163.1	171.8	180.0	184.5	189.4	186.0	183.0	174.0	165.0
85°	65.6	63.8	65.6	68.3	71.3	72.0	73.1	70.9	68.3	69.0	69.4
87.5°	19.5	18.8	19.5	21.0	22.5	24.8	27.0	30.0	33.0	34.1	35.6
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: P1364947
CATALOG NUMBER: GSS-SB4A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0
2.5°	2309.6	2325.8	2339.6	2353.1	2368.5	2384.3	2404.1	2424.4	2443.1	2464.5	2485.9
5°	2202.8	2224.5	2249.3	2273.3	2302.5	2331.8	2367.0	2403.0	2439.4	2481.8	2522.3
7.5°	2144.3	2171.3	2203.5	2235.8	2274.0	2311.9	2355.4	2399.3	2443.1	2499.4	2553.4
10°	2128.1	2163.8	2197.9	2232.0	2271.0	2310.0	2355.8	2401.9	2448.8	2508.8	2570.6
12.5°	2170.9	2213.3	2244.8	2276.3	2303.3	2330.6	2368.5	2406.8	2452.5	2518.1	2586.0
15°	2281.9	2321.3	2332.1	2343.0	2345.3	2347.5	2372.3	2397.0	2437.5	2510.6	2587.5
17.5°	2429.6	2457.0	2435.6	2414.3	2377.1	2340.0	2343.4	2346.8	2381.3	2466.8	2556.0
20°	2547.0	2550.0	2492.3	2434.5	2362.1	2289.4	2268.4	2247.0	2268.8	2382.0	2499.8
22.5°	2572.1	2550.8	2467.5	2384.3	2289.4	2194.5	2163.4	2131.9	2152.5	2287.5	2435.3
25°	2480.3	2440.5	2350.9	2261.3	2173.5	2085.8	2051.6	2017.5	2019.4	2174.3	2358.4
27.5°	2295.4	2250.8	2178.8	2106.8	2041.5	1976.3	1943.3	1910.6	1901.3	2059.5	2279.6
30°	2094.4	2058.8	2010.0	1961.3	1914.0	1866.8	1841.3	1815.8	1805.6	1959.4	2211.0
32.5°	1911.8	1891.9	1855.9	1819.5	1788.8	1758.0	1747.1	1736.3	1736.3	1878.0	2151.0
35°	1768.1	1753.1	1723.5	1694.3	1674.0	1653.8	1662.8	1671.8	1695.0	1804.5	2082.8
37.5°	1643.3	1621.9	1597.1	1572.0	1563.0	1553.3	1578.0	1602.0	1646.3	1732.5	2007.0
40°	1527.8	1500.8	1477.1	1453.1	1454.3	1455.0	1491.0	1527.0	1582.5	1650.8	1916.6
42.5°	1419.0	1390.5	1366.9	1343.3	1348.1	1353.0	1398.8	1444.5	1513.1	1560.8	1809.0
45°	1324.1	1293.0	1272.0	1251.8	1259.3	1266.8	1313.3	1360.5	1428.8	1471.9	1699.5
47.5°	1253.3	1218.8	1197.0	1175.6	1180.5	1185.0	1225.5	1265.6	1329.4	1379.3	1590.8
50°	1189.5	1162.5	1139.3	1115.6	1110.0	1104.4	1137.8	1170.8	1233.8	1302.0	1494.0
52.5°	1149.4	1121.3	1099.5	1078.1	1060.9	1043.3	1068.4	1093.1	1160.6	1248.0	1407.0
55°	1117.5	1091.3	1065.4	1039.5	1014.8	990.0	1017.8	1045.5	1125.0	1212.0	1334.3
57.5°	1072.5	1046.3	1018.1	990.0	965.3	940.5	979.1	1018.1	1115.6	1188.8	1272.8
60°	1015.5	988.1	959.6	930.8	914.6	898.1	946.9	995.6	1093.1	1150.5	1209.4
62.5°	931.9	909.4	877.1	844.5	843.0	840.8	904.5	968.3	1061.3	1085.6	1118.3
65°	*844.5*	*826.9*	*795.8*	*765.0*	*772.5*	*780.0*	*848.3*	*916.9*	*993.8*	*1000.5*	*1007.3*
67.5°	757.9	743.3	714.8	686.3	701.6	717.0	777.8	838.1	890.6	880.5	860.6
70°	681.0	668.3	645.0	621.8	631.5	641.3	677.3	713.3	738.8	741.8	712.1
72.5°	600.4	589.5	571.9	554.3	561.0	568.1	576.0	584.3	568.1	598.1	575.6
75°	503.3	495.0	481.5	468.0	472.9	478.1	482.3	486.8	476.3	464.3	437.3
77.5°	397.1	389.3	376.9	364.5	370.5	375.8	385.9	395.6	393.8	359.3	330.0
80°	288.0	285.0	276.0	267.0	271.5	275.6	288.0	300.0	301.9	253.1	222.8
82.5°	168.8	172.5	174.4	176.3	179.3	181.9	181.9	181.9	174.4	147.0	132.0
85°	70.9	72.0	78.0	83.3	87.8	91.9	91.5	90.8	86.3	71.3	61.5
87.5°	37.1	38.3	36.8	34.5	33.0	30.8	28.5	26.3	22.5	20.6	18.8
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: P1364947
CATALOG NUMBER: GSS-SB4A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0	2445.0
2.5°	2506.9	2529.0	2550.8	2572.5	2594.3	2617.9	2641.9
5°	2563.1	2606.3	2649.4	2693.3	2737.5	2779.5	2821.9
7.5°	2607.0	2667.0	2727.0	2794.1	2861.3	2932.5	3003.8
10°	2632.5	2706.8	2780.6	2864.3	2947.5	3033.0	3118.1
12.5°	2654.3	2737.1	2820.0	2913.4	3006.8	3091.5	3176.3
15°	2664.4	2754.0	2843.3	2938.1	3033.0	3118.5	3204.4
17.5°	2645.6	2747.3	2849.3	2950.5	3051.8	3131.6	3211.9
20°	2617.5	2737.1	2856.8	2965.5	3074.3	3155.3	3236.3
22.5°	2583.0	2729.3	2875.5	2994.8	3114.4	3188.3	3262.5
25°	2542.5	2728.5	2914.5	3045.0	3175.5	3239.6	3303.8
27.5°	2499.4	2735.6	2971.9	3118.5	3265.5	3314.6	3363.8
30°	2463.0	2751.0	3039.4	3205.5	3371.3	3409.5	3448.1
32.5°	2424.4	2768.3	3112.5	3307.9	3503.3	3527.3	3551.3
35°	2360.6	2764.1	3168.0	3416.6	3665.6	3695.6	3725.6
37.5°	2281.9	2752.5	3223.1	3549.4	3875.6	3911.3	3946.9
40°	2182.5	2726.3	3270.0	3701.3	4132.5	4203.0	4273.1
42.5°	2056.9	2680.9	3304.5	3869.3	4433.3	4582.1	4730.6
45°	1927.5	2649.8	3372.0	4097.3	4822.5	5060.6	5298.8
47.5°	1803.0	2613.4	3423.8	4331.6	5239.5	5541.0	5842.5
50°	1685.6	2551.5	3417.0	4536.0	5655.0	6063.8	6472.5
52.5°	1566.8	2424.8	3283.1	4632.8	5982.0	6631.5	7280.7
55°	1455.8	2256.8	3057.0	4607.3	6157.5	7201.9	8246.3
57.5°	1356.8	2080.9	2805.0	4468.1	6131.3	7680.8	9230.7
60°	1268.3	1858.5	2448.8	4134.8	5820.8	7895.3	9969.4
62.5°	1151.3	1576.5	2001.8	3588.4	5175.0	7419.4	9663.8
65°	*1014.4*	*1239.0*	*1463.3*	*2814.8*	*4166.3*	*6399.4*	*8632.5*
67.5°	840.8	947.3	1053.8	2190.4	3327.0	5496.0	7665.0
70°	682.5	720.0	757.5	1678.5	2599.5	4669.1	6738.8
72.5°	553.1	553.5	554.3	1261.9	1969.5	3877.1	5784.4
75°	410.6	412.9	415.5	935.3	1455.0	3095.6	4736.3
77.5°	300.8	299.3	297.0	604.5	912.0	2031.0	3150.0
80°	192.0	190.5	188.3	334.1	480.0	1164.4	1848.8
82.5°	117.0	116.6	116.3	179.6	243.0	583.5	924.4
85°	51.8	49.1	46.9	57.0	67.5	138.8	210.0
87.5°	16.9	15.8	15.0	15.4	15.8	16.5	16.9
90°	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

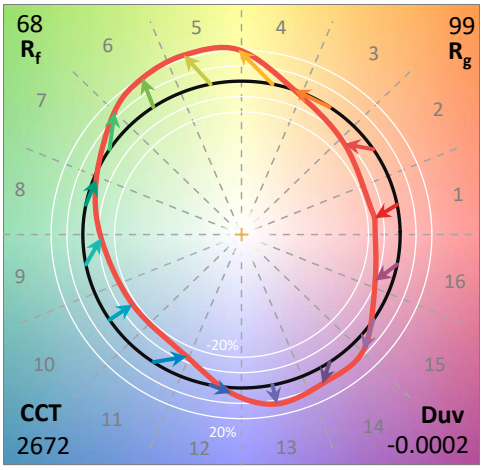
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



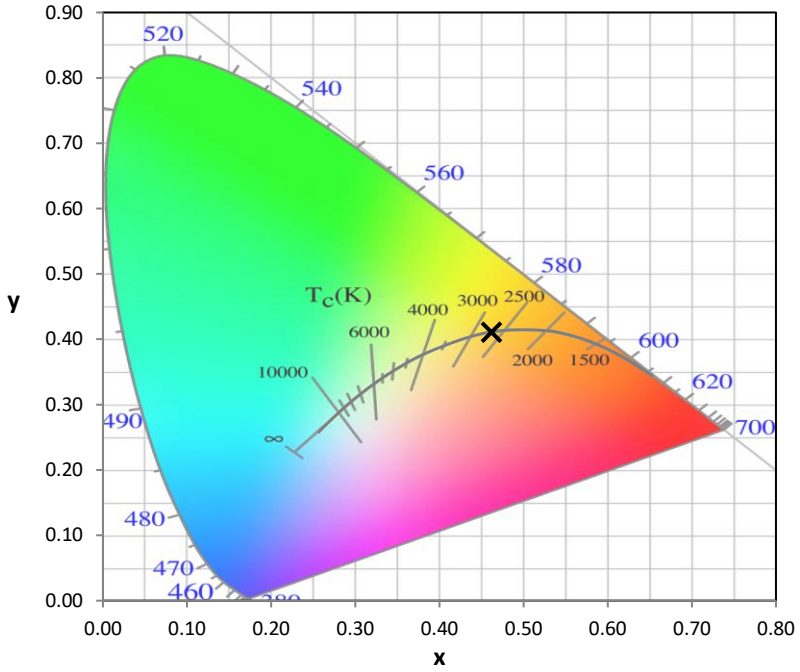
Test Conditions

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

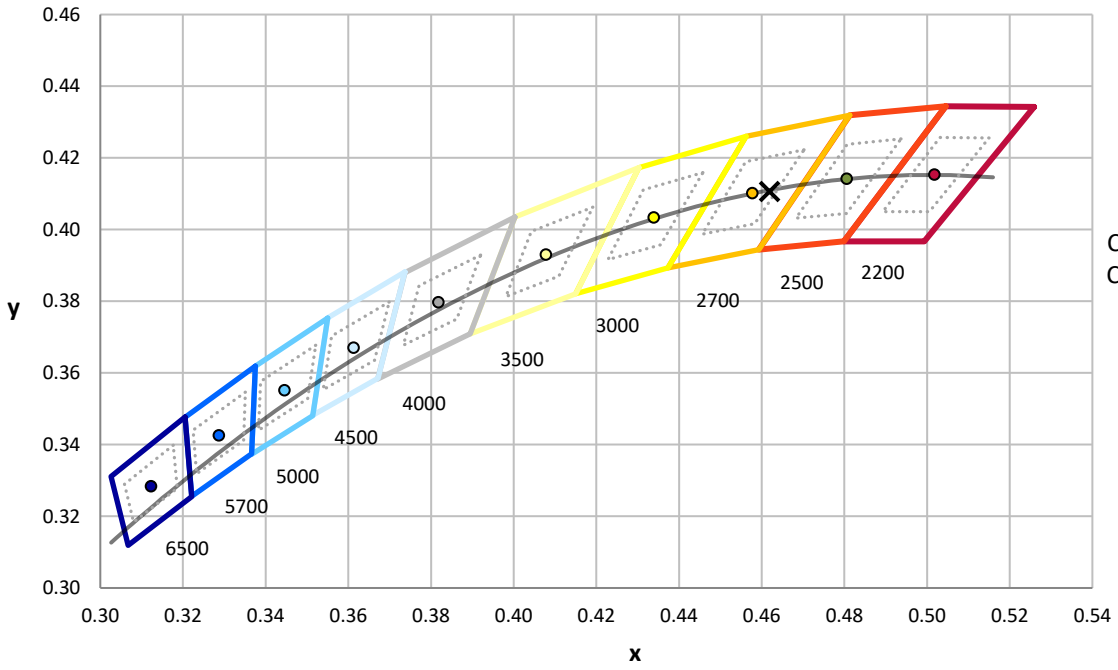
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

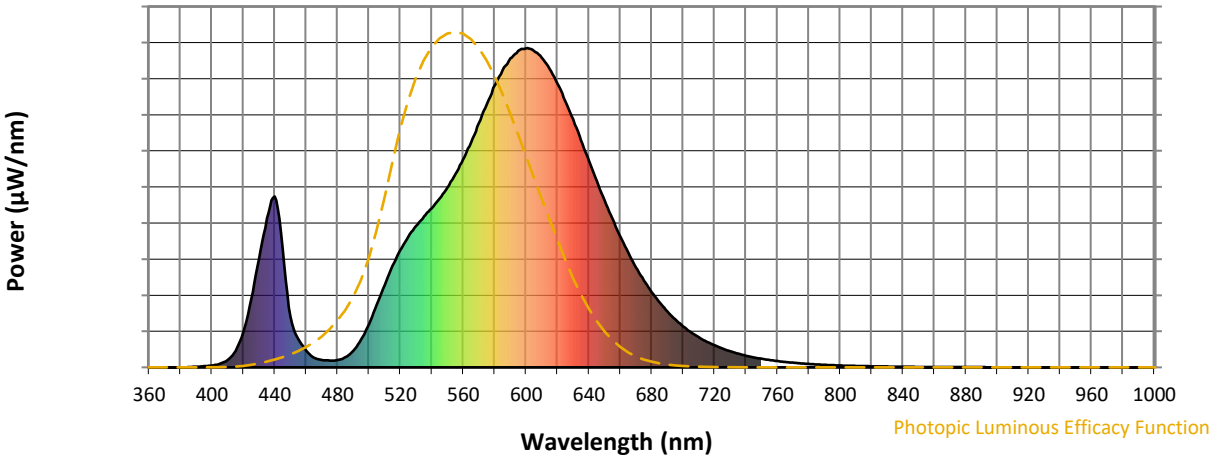


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

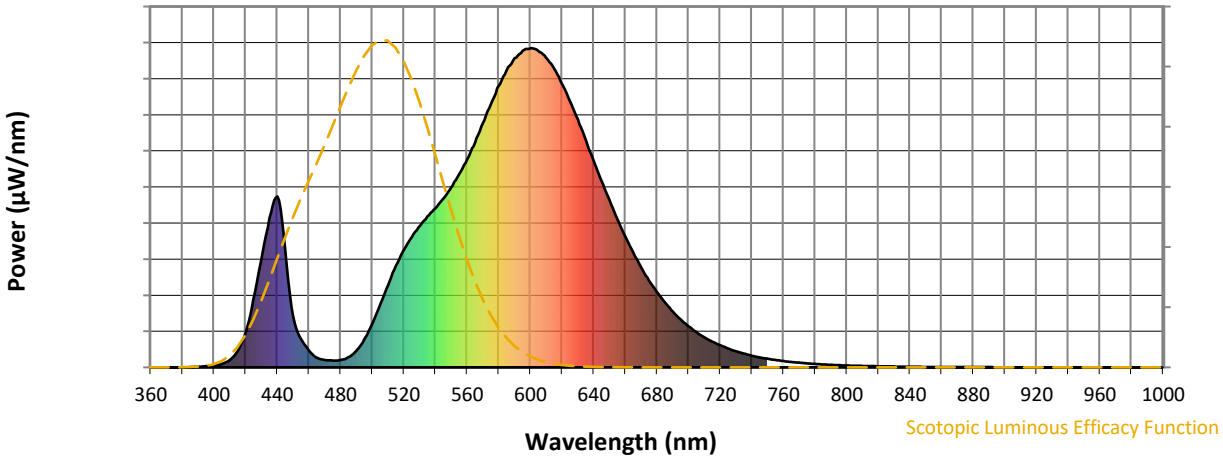


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

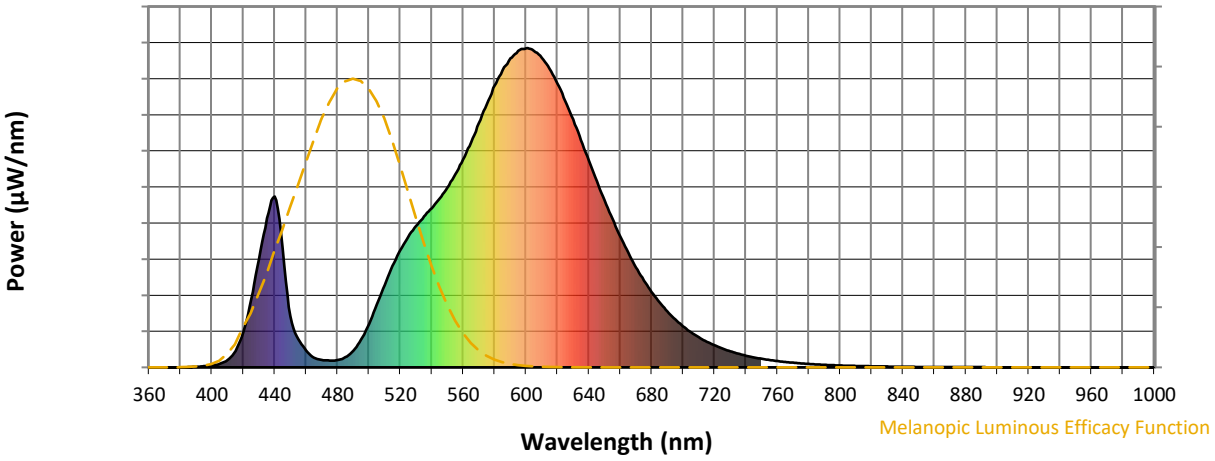


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

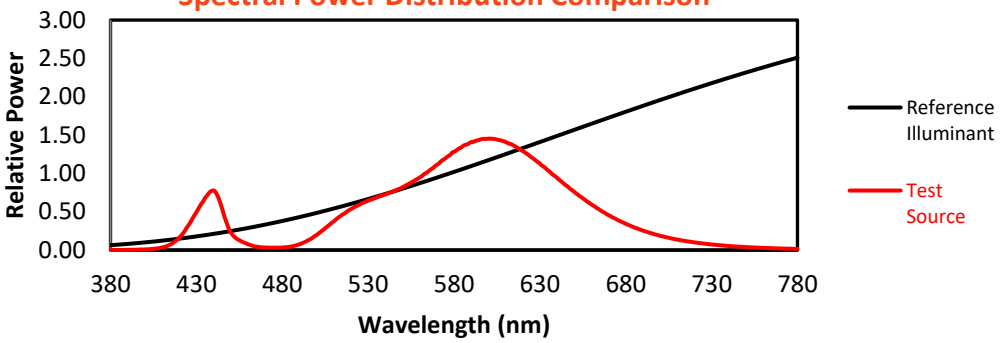
REPORT NUMBER: SP1-2407-184-3

TM-30-18

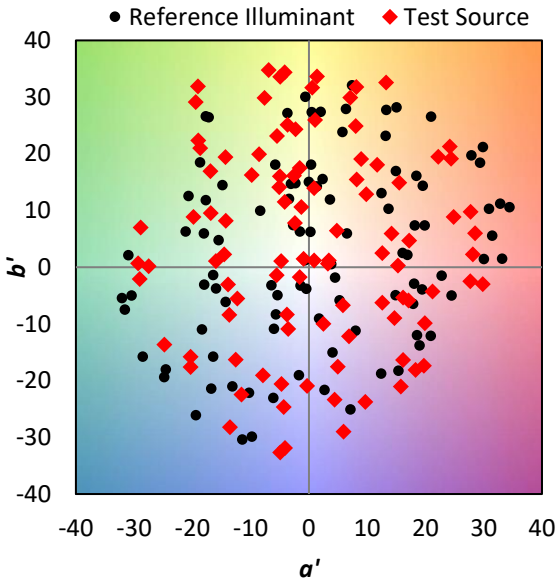
Summary

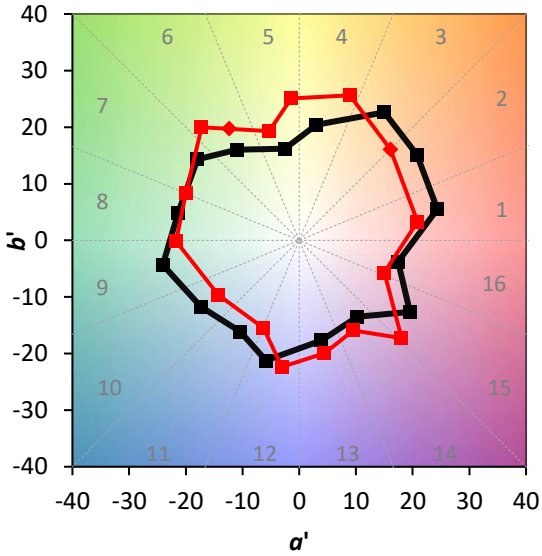
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

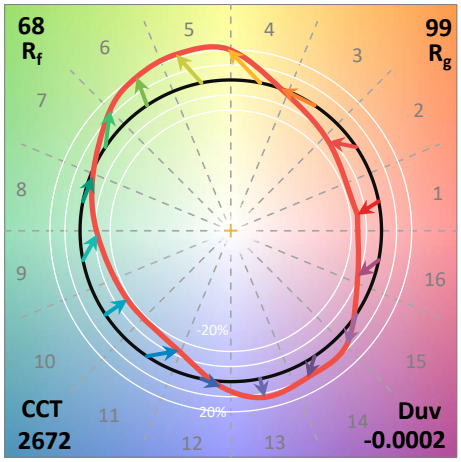
Spectral Power Distribution Comparison

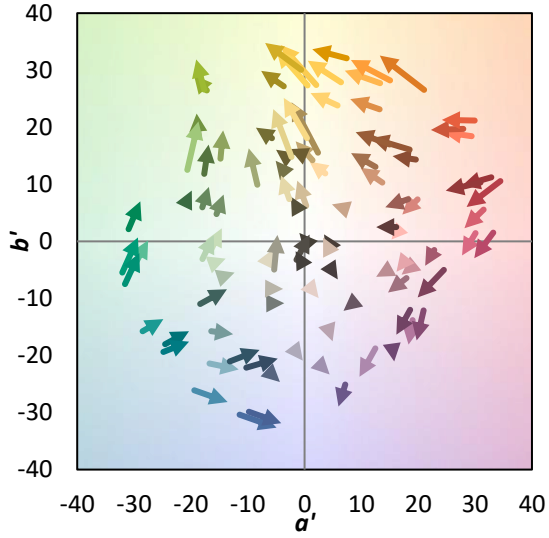


Color Vector Graphics







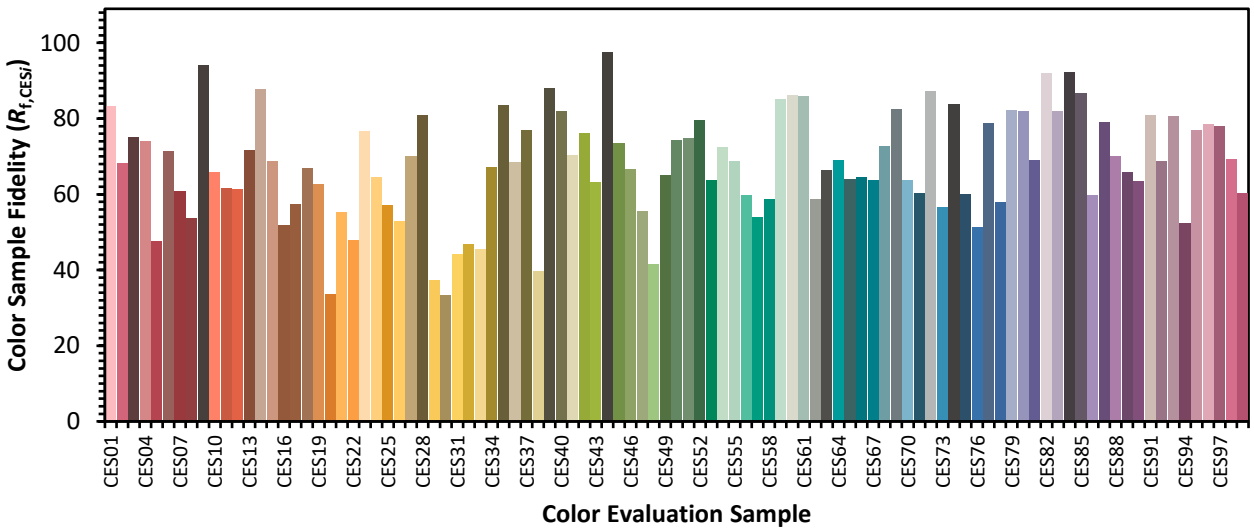


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

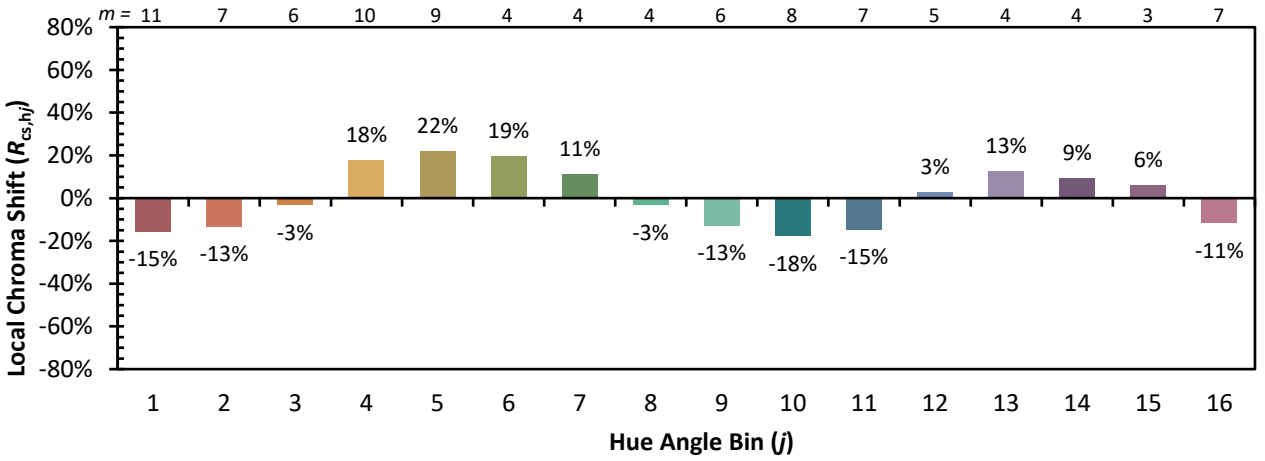
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

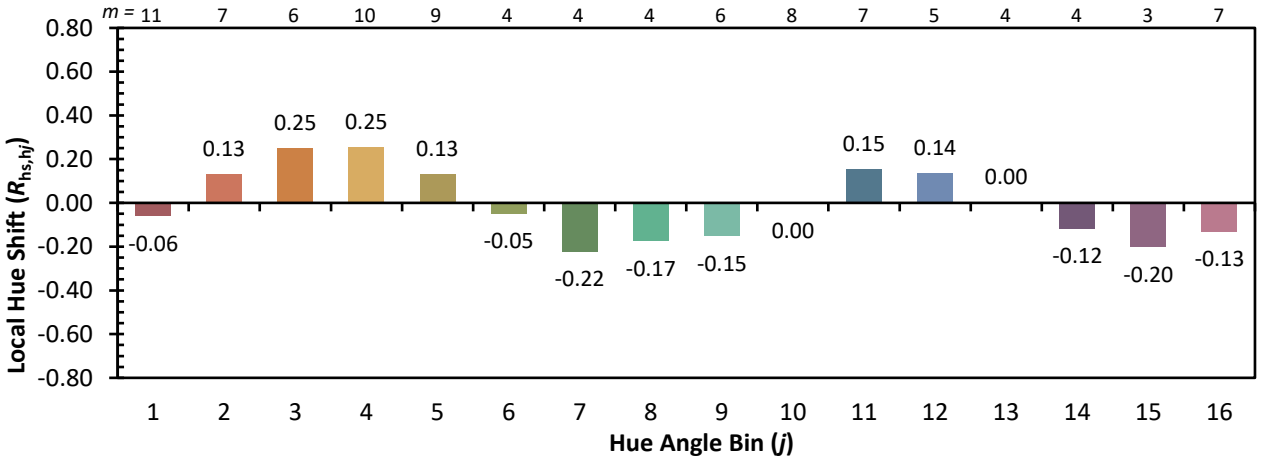


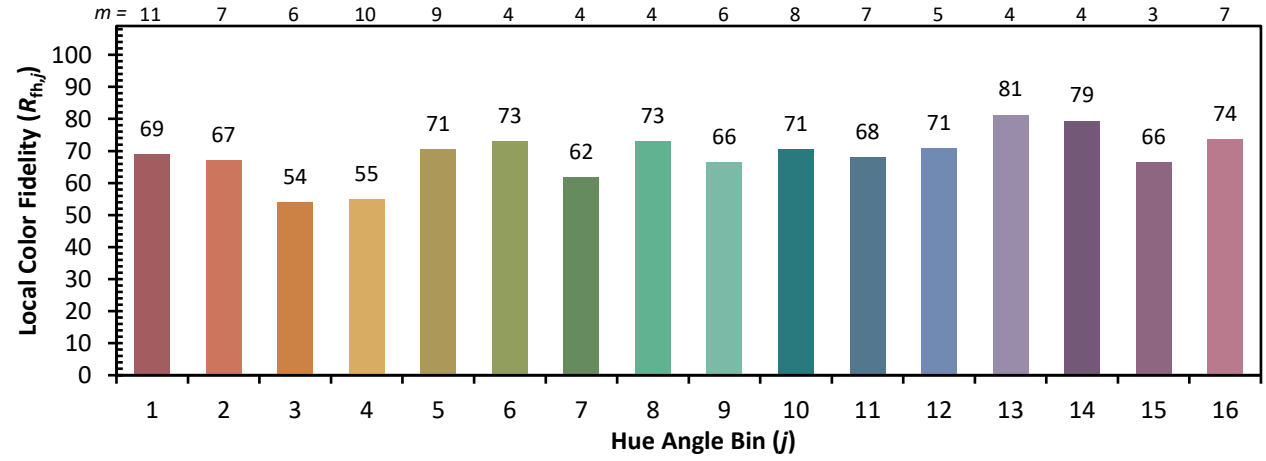
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



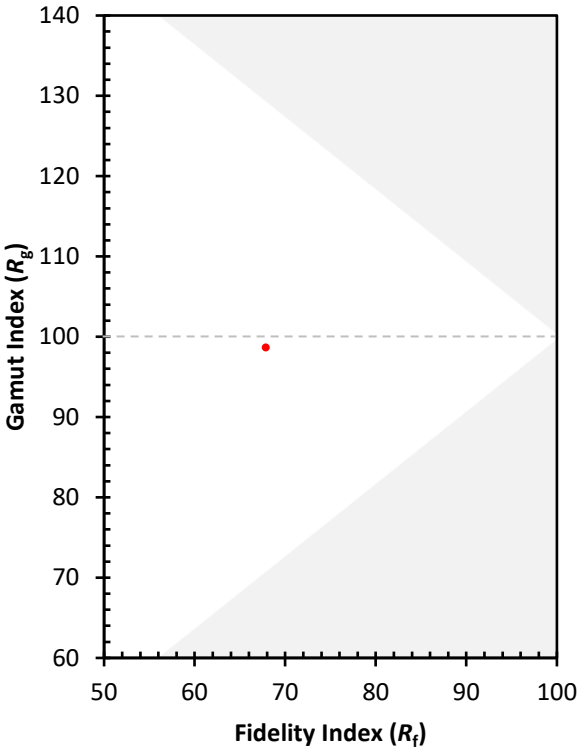


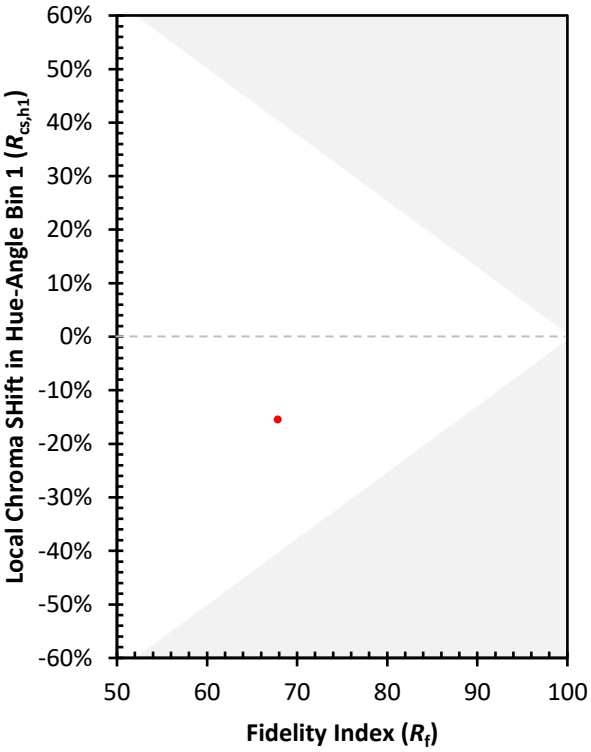


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)