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: P1364157

Luminaire Tested: **GSS-SB4C-722-U-SLR**

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:	P1364157
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-722-U-SLR
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC
Light Source:	(104) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22687.1 lumens
Efficiency:	N/A
Efficacy:	111.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

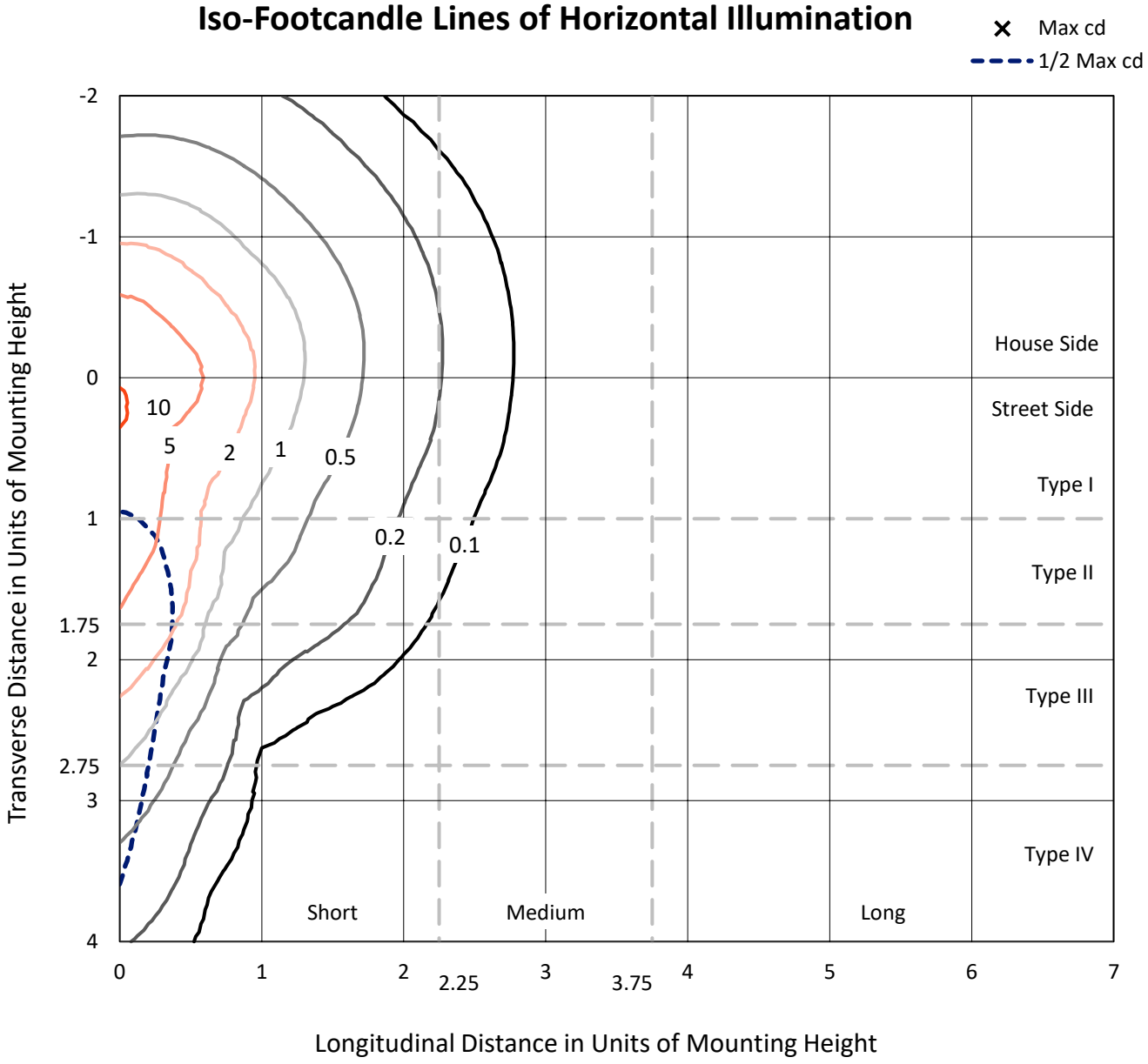
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1364157
CATALOG NUMBER: GSS-SB4C-722-U-SLR

Iso-Footcandle Lines of Horizontal Illumination



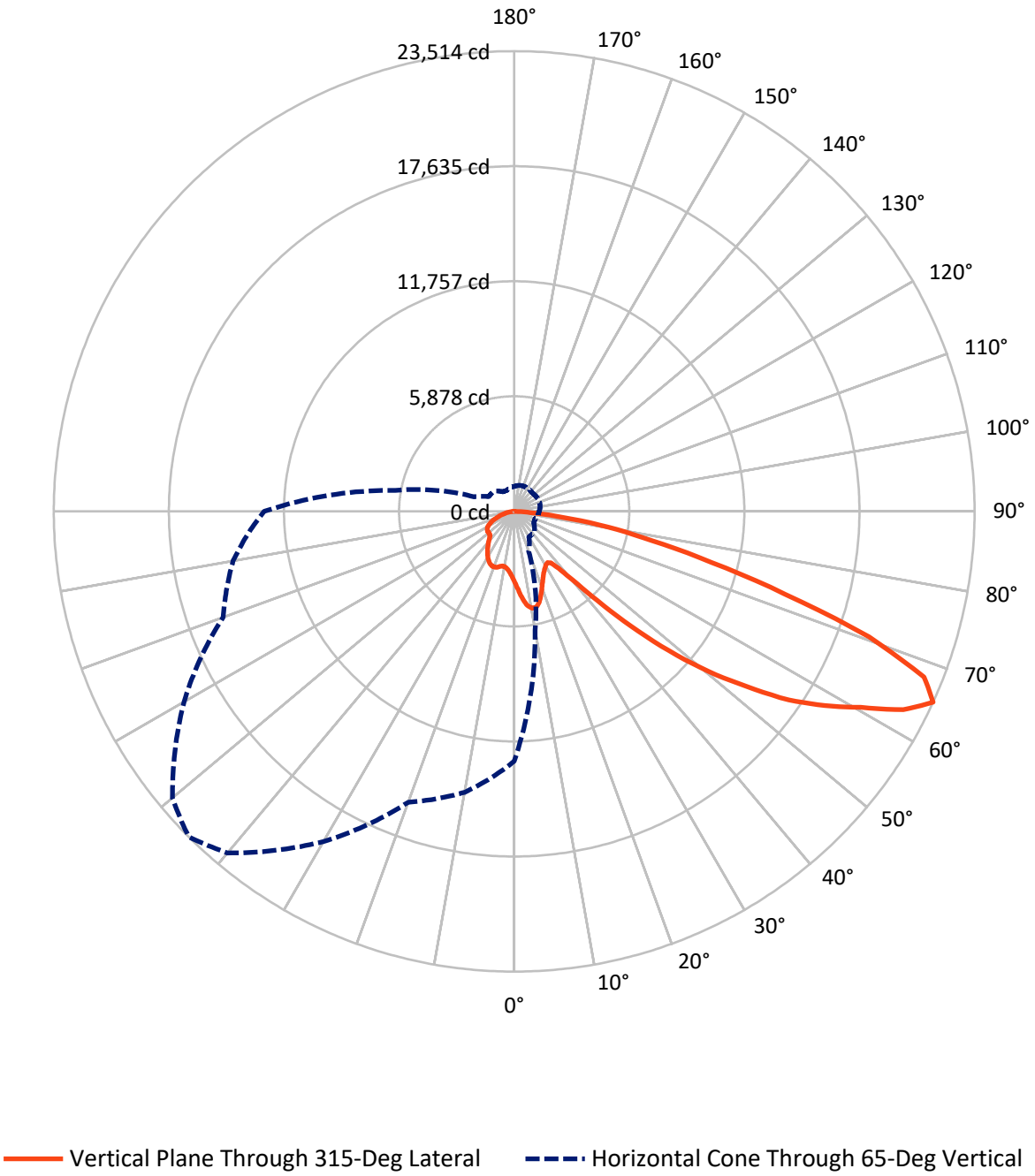
Based on 20 foot mounting height. Maximum calculated value = 10.8 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364157
CATALOG NUMBER: GSS-SB4C-722-U-SLR

Luminous Intensity Polar Plot



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

Scaled Data Report

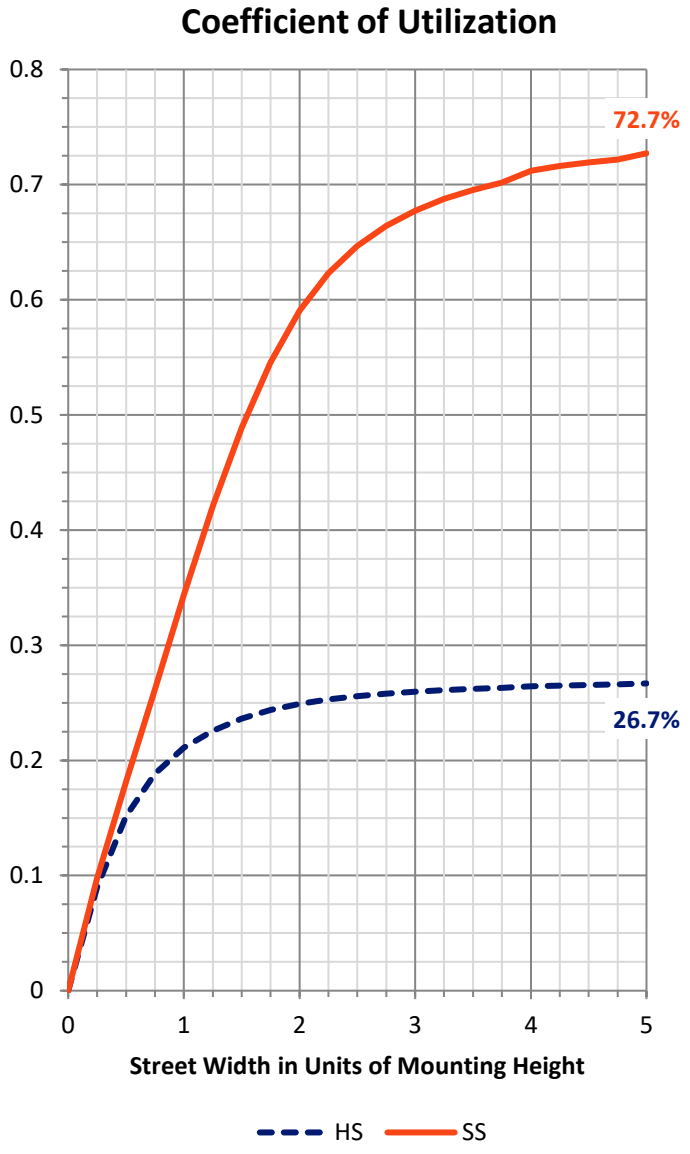
REPORT NUMBER: P1364157
CATALOG NUMBER: GSS-SB4C-722-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6103.3	0.0	6103.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	16583.8	0.0	16583.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	22687.1	0.0	22687.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.2	1.6
10°-20°	1094.6	4.8
20°-30°	1694.1	7.5
30°-40°	2101.9	9.3
40°-50°	3073.6	13.5
50°-60°	4814.4	21.2
60°-70°	5712.6	25.2
70°-80°	3331.9	14.7
80°-90°	506.9	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°	22687.1	100.0
0°-180°	22687.1	100.0



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

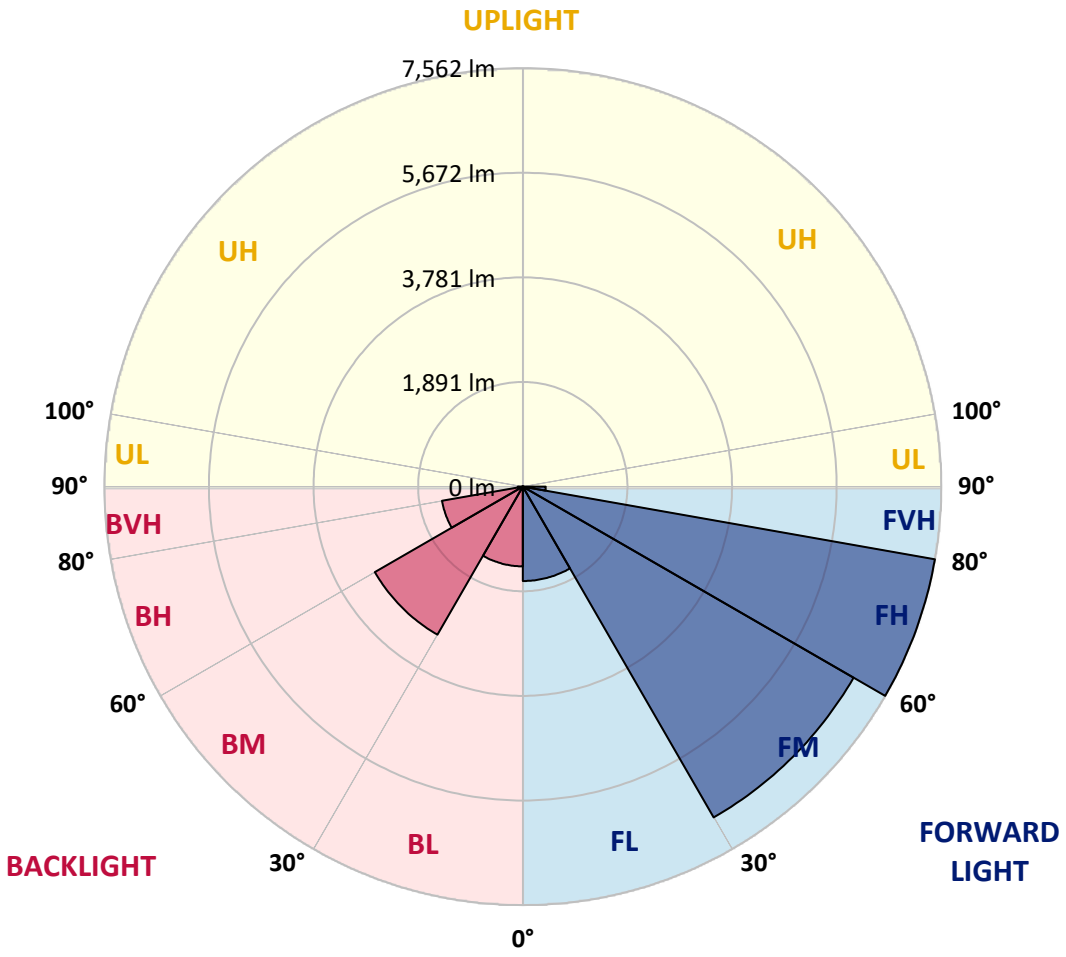
Scaled Data Report

REPORT NUMBER: P1364157
CATALOG NUMBER: GSS-SB4C-722-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1705.1	7.5			
FM	(30°-60°)	6901.9	30.4			
FH	(60°-80°)	7562.2	33.3			G4/12000
FVH	(80°-90°)	414.6	1.8			G3/500
BL	(0°-30°)	1440.8	6.4	B3/2500		
BM	(30°-60°)	3088.0	13.6	B3/5000		
BH	(60°-80°)	1482.2	6.5	B3/2500		G3/2500
BVH	(80°-90°)	92.3	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-G4
Type IV Short



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

Scaled Data Report

REPORT NUMBER: P1364157
CATALOG NUMBER: GSS-SB4C-722-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5
2.5°	3908.8	3873.3	3838.3	3806.2	3774.0	3741.8	3709.1	3678.0	3646.4	3614.7	3587.0
5°	4175.1	4112.4	4050.3	3984.8	3919.9	3856.1	3792.3	3731.8	3671.9	3609.2	3555.4
7.5°	4444.2	4338.8	4233.4	4134.1	4034.7	3946.0	3857.2	3777.9	3698.0	3614.7	3549.8
10°	4613.4	4487.5	4361.0	4237.8	4114.1	4004.8	3894.9	3803.4	3711.8	3623.1	3553.7
12.5°	4699.4	4574.0	4448.6	4310.5	4172.3	4049.7	3927.1	3826.1	3725.7	3628.6	3560.9
15°	4741.0	4614.0	4487.5	4347.1	4206.7	4074.7	3942.1	3828.3	3714.6	3606.4	3546.5
17.5°	4752.1	4633.4	4515.2	4365.4	4215.6	4064.7	3914.3	3781.7	3649.7	3523.2	3472.1
20°	4788.2	4668.4	4548.5	4387.6	4226.7	4049.7	3872.7	3698.5	3524.3	3356.7	3324.6
22.5°	4827.0	4717.2	4607.9	4430.9	4254.5	4038.1	3821.7	3603.1	3384.5	3184.7	3154.2
25°	4888.1	4793.2	4698.3	4505.2	4312.2	4037.0	3761.8	3489.3	3216.9	2987.8	2985.0
27.5°	4976.8	4904.2	4831.5	4614.0	4397.0	4047.5	3698.0	3372.8	3047.1	2813.0	2826.9
30°	5101.7	5044.5	4987.9	4742.7	4496.9	4070.3	3644.1	3271.3	2899.0	2671.5	2686.5
32.5°	5254.3	5218.8	5183.2	4894.2	4605.1	4095.8	3587.0	3182.5	2778.6	2568.9	2568.9
35°	5512.3	5467.9	5423.5	5055.1	4687.2	4089.7	3492.7	3081.5	2669.9	2507.8	2473.4
37.5°	5839.6	5786.9	5734.2	5251.5	4768.8	4072.5	3376.2	2969.5	2563.3	2435.7	2370.2
40°	6322.3	6218.6	6114.3	5476.2	4838.1	4033.6	3229.1	2835.7	2442.4	2341.4	2259.3
42.5°	6999.2	6779.5	6559.2	5724.8	4889.2	3966.5	3043.3	2676.5	2309.2	2238.7	2137.2
45°	7839.8	7487.5	7135.1	6062.1	4989.1	3920.4	2851.8	2514.5	2177.7	2113.9	2012.9
47.5°	8644.3	8198.2	7752.1	6408.9	5065.6	3866.6	2667.6	2353.6	2040.7	1966.9	1872.6
50°	9576.4	8971.6	8366.9	6711.3	5055.6	3775.1	2494.0	2210.5	1926.4	1825.4	1732.2
52.5°	10772.1	9811.7	8850.7	6854.4	4857.6	3587.5	2318.1	2081.7	1846.5	1717.2	1617.3
55°	12200.8	10655.6	9110.3	6816.7	4523.0	3339.0	2153.9	1974.1	1793.2	1664.5	1546.9
57.5°	13657.2	11364.1	9071.5	6610.8	4150.1	3078.8	2007.4	1883.1	1758.8	1650.6	1506.4
60°	14750.2	11681.4	8612.1	6117.6	3623.1	2749.7	1876.4	1789.3	1702.2	1617.3	1473.1
62.5°	14298.0	10977.4	7656.7	5309.2	2961.7	2332.5	1703.3	1654.5	1606.2	1570.2	1432.6
65°	*12772.2*	*9468.2*	*6164.2*	*4164.6*	*2165.0*	*1833.2*	*1500.8*	*1490.3*	*1480.3*	*1470.3*	*1356.6*
67.5°	11340.8	8131.6	4922.5	3240.8	1559.1	1401.5	1243.9	1273.3	1302.7	1317.7	1240.1
70°	9970.3	6908.2	3846.1	2483.4	1120.8	1065.3	1009.8	1053.6	1097.5	1093.0	1055.3
72.5°	8558.3	5736.4	2914.0	1867.0	820.0	818.9	818.4	851.7	885.0	840.6	864.4
75°	7007.5	4580.1	2152.7	1383.8	614.8	610.9	607.5	646.9	686.9	704.6	720.2
77.5°	4660.6	3005.0	1349.4	894.4	439.4	442.8	445.0	488.3	531.5	582.6	585.3
80°	2735.3	1722.8	710.2	494.4	278.5	281.9	284.1	329.6	374.5	446.6	443.9
82.5°	1367.7	863.3	359.5	265.8	172.0	172.6	173.1	195.3	217.5	258.0	269.1
85°	310.7	205.3	99.9	84.3	69.4	72.7	76.6	91.0	105.4	127.6	134.3
87.5°	25.0	24.4	23.3	22.7	22.2	23.3	25.0	27.7	30.5	33.3	38.8
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: P1364157
CATALOG NUMBER: GSS-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5
2.5°	3557.0	3527.6	3504.3	3481.6	3461.6	3441.1	3417.2	3392.8	3375.6	3357.8	3346.2
5°	3502.1	3449.9	3406.7	3363.4	3327.9	3291.3	3259.1	3226.4	3200.8	3174.8	3153.7
7.5°	3484.9	3420.5	3364.5	3307.9	3260.2	3212.5	3172.5	3132.0	3093.7	3056.0	3031.6
10°	3485.5	3417.8	3360.1	3302.4	3251.9	3201.4	3148.7	3096.0	3053.8	3011.6	2975.0
12.5°	3504.3	3448.3	3407.8	3367.8	3321.2	3274.6	3211.9	3148.7	3091.5	3034.9	2990.0
15°	3509.9	3473.3	3469.9	3466.6	3450.5	3434.4	3376.2	3317.9	3239.1	3159.8	3095.4
17.5°	3467.1	3462.2	3517.1	3572.0	3603.6	3635.3	3594.8	3553.7	3442.7	3331.8	3235.8
20°	3356.2	3387.3	3494.9	3602.0	3687.4	3772.9	3768.4	3764.5	3619.7	3474.4	3348.4
22.5°	3200.8	3246.9	3387.3	3527.6	3650.8	3774.0	3805.6	3836.7	3694.6	3552.0	3396.7
25°	3035.5	3086.0	3215.8	3345.6	3478.2	3610.8	3669.7	3728.5	3611.4	3494.3	3343.4
27.5°	2875.1	2924.0	3020.5	3117.0	3223.6	3330.1	3396.1	3462.2	3390.6	3319.0	3196.9
30°	2724.2	2762.0	2831.9	2901.8	2973.9	3046.0	3098.7	3151.4	3104.3	3057.1	2969.5
32.5°	2585.0	2601.1	2646.6	2692.0	2745.9	2799.1	2828.5	2857.4	2820.8	2784.1	2726.4
35°	2460.1	2446.8	2476.8	2506.7	2550.0	2593.8	2616.0	2638.2	2607.7	2577.2	2525.6
37.5°	2334.7	2298.1	2312.5	2325.9	2363.0	2399.7	2431.3	2463.5	2441.3	2419.1	2375.2
40°	2206.0	2152.7	2151.6	2150.0	2185.5	2220.4	2260.4	2299.8	2295.9	2291.5	2249.8
42.5°	2069.5	2001.8	1994.6	1987.4	2022.4	2057.3	2099.5	2141.7	2150.0	2158.3	2123.9
45°	1943.0	1874.2	1863.1	1852.0	1882.0	1913.1	1959.1	2005.7	2025.1	2044.6	2013.5
47.5°	1813.2	1753.3	1746.6	1739.4	1771.0	1803.2	1854.2	1905.8	1926.4	1947.5	1926.4
50°	1683.4	1634.0	1642.3	1650.6	1685.6	1720.0	1759.9	1800.4	1838.7	1876.4	1872.6
52.5°	1580.7	1543.5	1569.6	1595.1	1626.8	1658.9	1700.6	1742.2	1782.1	1822.6	1828.7
55°	1505.8	1464.8	1501.4	1538.0	1576.3	1614.6	1653.4	1692.2	1730.0	1767.1	1775.5
57.5°	1448.7	1391.5	1428.1	1464.8	1506.4	1548.0	1586.8	1625.7	1669.5	1713.3	1720.0
60°	1401.0	1328.8	1353.2	1377.1	1419.8	1462.0	1502.5	1542.4	1586.8	1631.2	1640.1
62.5°	1338.3	1243.9	1247.3	1249.5	1297.8	1345.5	1378.8	1412.0	1454.2	1496.9	1509.7
65°	*1255.0*	*1154.1*	*1143.0*	*1131.9*	*1177.4*	*1223.4*	*1249.5*	*1276.1*	*1312.7*	*1349.4*	*1362.1*
67.5°	1150.7	1060.8	1038.1	1015.3	1057.5	1099.7	1121.3	1143.0	1167.9	1192.9	1207.3
70°	1002.0	948.8	934.3	919.9	954.3	988.7	1007.6	1026.4	1046.4	1066.4	1074.2
72.5°	852.2	840.6	830.0	820.0	846.1	872.2	888.3	904.4	923.2	942.1	946.5
75°	713.5	707.4	699.6	692.4	712.4	732.4	744.6	757.3	776.8	796.2	804.5
77.5°	570.9	555.9	548.2	539.3	557.6	575.9	587.6	599.2	615.3	631.4	633.6
80°	426.1	407.8	401.7	395.0	408.4	421.7	426.1	430.0	443.3	456.1	456.1
82.5°	269.1	269.1	265.2	260.8	258.0	255.2	249.7	244.1	257.4	270.8	275.2
85°	135.4	135.9	129.8	123.2	115.4	106.5	104.9	102.6	102.1	101.0	104.9
87.5°	42.2	45.5	48.8	51.0	54.4	56.6	54.9	52.7	50.5	48.8	44.4
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: P1364157
CATALOG NUMBER: GSS-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5
2.5°	3334.5	3329.0	3323.4	3319.0	3315.1	3312.3	3315.1	3319.0	3323.4	3329.0	3334.5
5°	3132.0	3123.2	3113.7	3107.6	3101.5	3096.0	3101.5	3107.6	3113.7	3123.2	3132.0
7.5°	3007.2	2992.8	2978.3	2967.8	2957.3	2951.7	2957.3	2967.8	2978.3	2992.8	3007.2
10°	2939.5	2919.0	2899.0	2887.9	2876.8	2868.5	2876.8	2887.9	2899.0	2919.0	2939.5
12.5°	2945.1	2919.5	2895.1	2878.5	2861.8	2851.8	2861.8	2878.5	2895.1	2919.5	2945.1
15°	3030.5	2995.0	2958.4	2937.8	2917.3	2901.8	2917.3	2937.8	2958.4	2995.0	3030.5
17.5°	3140.4	3088.2	3036.0	3017.7	2998.9	2990.5	2998.9	3017.7	3036.0	3088.2	3140.4
20°	3222.5	3152.6	3083.8	3056.0	3028.3	3018.3	3028.3	3056.0	3083.8	3152.6	3222.5
22.5°	3241.3	3159.2	3076.5	3050.5	3023.8	3012.7	3023.8	3050.5	3076.5	3159.2	3241.3
25°	3193.1	3106.5	3019.4	2992.8	2965.6	2957.3	2965.6	2992.8	3019.4	3106.5	3193.1
27.5°	3074.9	2998.3	2921.2	2892.9	2864.0	2846.3	2864.0	2892.9	2921.2	2998.3	3074.9
30°	2882.4	2825.2	2768.6	2750.9	2732.5	2724.2	2732.5	2750.9	2768.6	2825.2	2882.4
32.5°	2668.7	2633.2	2597.7	2586.1	2574.4	2568.9	2574.4	2586.1	2597.7	2633.2	2668.7
35°	2474.6	2449.0	2423.5	2414.1	2405.2	2396.9	2405.2	2414.1	2423.5	2449.0	2474.6
37.5°	2331.4	2301.4	2270.4	2253.7	2237.1	2224.9	2237.1	2253.7	2270.4	2301.4	2331.4
40°	2208.2	2165.0	2122.2	2099.5	2076.2	2064.0	2076.2	2099.5	2122.2	2165.0	2208.2
42.5°	2088.9	2039.0	1989.1	1954.1	1919.7	1897.5	1919.7	1954.1	1989.1	2039.0	2088.9
45°	1981.9	1925.8	1869.8	1828.2	1786.6	1758.8	1786.6	1828.2	1869.8	1925.8	1981.9
47.5°	1905.8	1857.6	1808.8	1772.1	1735.5	1708.9	1735.5	1772.1	1808.8	1857.6	1905.8
50°	1868.7	1830.4	1792.1	1757.7	1722.8	1697.8	1722.8	1757.7	1792.1	1830.4	1868.7
52.5°	1835.4	1807.6	1779.9	1749.9	1720.0	1697.8	1720.0	1749.9	1779.9	1807.6	1835.4
55°	1783.8	1763.8	1743.3	1721.1	1698.9	1681.1	1698.9	1721.1	1743.3	1763.8	1783.8
57.5°	1726.6	1705.6	1683.9	1667.3	1650.6	1642.3	1650.6	1667.3	1683.9	1705.6	1726.6
60°	1649.0	1632.3	1615.7	1600.1	1584.0	1570.2	1584.0	1600.1	1615.7	1632.3	1649.0
62.5°	1523.0	1515.2	1508.0	1490.3	1473.1	1453.7	1473.1	1490.3	1508.0	1515.2	1523.0
65°	*1374.9*	*1371.0*	*1367.7*	*1354.9*	*1342.7*	*1320.5*	*1342.7*	*1354.9*	*1367.7*	*1371.0*	*1374.9*
67.5°	1221.7	1214.5	1206.8	1193.4	1180.7	1176.2	1180.7	1193.4	1206.8	1214.5	1221.7
70°	1081.9	1070.8	1059.7	1029.8	999.8	965.4	999.8	1029.8	1059.7	1070.8	1081.9
72.5°	951.5	934.3	916.6	881.6	846.1	810.1	846.1	881.6	916.6	934.3	951.5
75°	812.8	788.4	764.6	727.4	690.8	665.8	690.8	727.4	764.6	788.4	812.8
77.5°	636.9	615.9	594.8	572.6	550.4	538.2	550.4	572.6	594.8	615.9	636.9
80°	456.1	440.5	424.4	413.4	402.3	393.9	402.3	413.4	424.4	440.5	456.1
82.5°	280.2	273.0	266.3	254.1	241.4	233.0	241.4	254.1	266.3	273.0	280.2
85°	108.2	106.5	105.4	101.0	97.1	94.3	97.1	101.0	105.4	106.5	108.2
87.5°	39.9	36.6	33.3	31.1	28.9	27.7	28.9	31.1	33.3	36.6	39.9
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: P1364157
CATALOG NUMBER: GSS-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5
2.5°	3346.2	3357.8	3375.6	3392.8	3417.2	3441.1	3461.6	3481.6	3504.3	3527.6	3557.0
5°	3153.7	3174.8	3200.8	3226.4	3259.1	3291.3	3327.9	3363.4	3406.7	3449.9	3502.1
7.5°	3031.6	3056.0	3093.7	3132.0	3172.5	3212.5	3260.2	3307.9	3364.5	3420.5	3484.9
10°	2975.0	3011.6	3053.8	3096.0	3148.7	3201.4	3251.9	3302.4	3360.1	3417.8	3485.5
12.5°	2990.0	3034.9	3091.5	3148.7	3211.9	3274.6	3321.2	3367.8	3407.8	3448.3	3504.3
15°	3095.4	3159.8	3239.1	3317.9	3376.2	3434.4	3450.5	3466.6	3469.9	3473.3	3509.9
17.5°	3235.8	3331.8	3442.7	3553.7	3594.8	3635.3	3603.6	3572.0	3517.1	3462.2	3467.1
20°	3348.4	3474.4	3619.7	3764.5	3768.4	3772.9	3687.4	3602.0	3494.9	3387.3	3356.2
22.5°	3396.7	3552.0	3694.6	3836.7	3805.6	3774.0	3650.8	3527.6	3387.3	3246.9	3200.8
25°	3343.4	3494.3	3611.4	3728.5	3669.7	3610.8	3478.2	3345.6	3215.8	3086.0	3035.5
27.5°	3196.9	3319.0	3390.6	3462.2	3396.1	3330.1	3223.6	3117.0	3020.5	2924.0	2875.1
30°	2969.5	3057.1	3104.3	3151.4	3098.7	3046.0	2973.9	2901.8	2831.9	2762.0	2724.2
32.5°	2726.4	2784.1	2820.8	2857.4	2828.5	2799.1	2745.9	2692.0	2646.6	2601.1	2585.0
35°	2525.6	2577.2	2607.7	2638.2	2616.0	2593.8	2550.0	2506.7	2476.8	2446.8	2460.1
37.5°	2375.2	2419.1	2441.3	2463.5	2431.3	2399.7	2363.0	2325.9	2312.5	2298.1	2334.7
40°	2249.8	2291.5	2295.9	2299.8	2260.4	2220.4	2185.5	2150.0	2151.6	2152.7	2206.0
42.5°	2123.9	2158.3	2150.0	2141.7	2099.5	2057.3	2022.4	1987.4	1994.6	2001.8	2069.5
45°	2013.5	2044.6	2025.1	2005.7	1959.1	1913.1	1882.0	1852.0	1863.1	1874.2	1943.0
47.5°	1926.4	1947.5	1926.4	1905.8	1854.2	1803.2	1771.0	1739.4	1746.6	1753.3	1813.2
50°	1872.6	1876.4	1838.7	1800.4	1759.9	1720.0	1685.6	1650.6	1642.3	1634.0	1683.4
52.5°	1828.7	1822.6	1782.1	1742.2	1700.6	1658.9	1626.8	1595.1	1569.6	1543.5	1580.7
55°	1775.5	1767.1	1730.0	1692.2	1653.4	1614.6	1576.3	1538.0	1501.4	1464.8	1505.8
57.5°	1720.0	1713.3	1669.5	1625.7	1586.8	1548.0	1506.4	1464.8	1428.1	1391.5	1448.7
60°	1640.1	1631.2	1586.8	1542.4	1502.5	1462.0	1419.8	1377.1	1353.2	1328.8	1401.0
62.5°	1509.7	1496.9	1454.2	1412.0	1378.8	1345.5	1297.8	1249.5	1247.3	1243.9	1338.3
65°	*1362.1*	*1349.4*	*1312.7*	*1276.1*	*1249.5*	*1223.4*	*1177.4*	*1131.9*	*1143.0*	*1154.1*	*1255.0*
67.5°	1207.3	1192.9	1167.9	1143.0	1121.3	1099.7	1057.5	1015.3	1038.1	1060.8	1150.7
70°	1074.2	1066.4	1046.4	1026.4	1007.6	988.7	954.3	919.9	934.3	948.8	1002.0
72.5°	946.5	942.1	923.2	904.4	888.3	872.2	846.1	820.0	830.0	840.6	852.2
75°	804.5	796.2	776.8	757.3	744.6	732.4	712.4	692.4	699.6	707.4	713.5
77.5°	633.6	631.4	615.3	599.2	587.6	575.9	557.6	539.3	548.2	555.9	570.9
80°	456.1	456.1	443.3	430.0	426.1	421.7	408.4	395.0	401.7	407.8	426.1
82.5°	275.2	270.8	257.4	244.1	249.7	255.2	258.0	260.8	265.2	269.1	269.1
85°	104.9	101.0	102.1	102.6	104.9	106.5	115.4	123.2	129.8	135.9	135.4
87.5°	44.4	48.8	50.5	52.7	54.9	56.6	54.4	51.0	48.8	45.5	42.2
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: P1364157
CATALOG NUMBER: GSS-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5
2.5°	3587.0	3614.7	3646.4	3678.0	3709.1	3741.8	3774.0	3806.2	3838.3	3873.3	3908.8
5°	3555.4	3609.2	3671.9	3731.8	3792.3	3856.1	3919.9	3984.8	4050.3	4112.4	4175.1
7.5°	3549.8	3614.7	3698.0	3777.9	3857.2	3946.0	4034.7	4134.1	4233.4	4338.8	4444.2
10°	3553.7	3623.1	3711.8	3803.4	3894.9	4004.8	4114.1	4237.8	4361.0	4487.5	4613.4
12.5°	3560.9	3628.6	3725.7	3826.1	3927.1	4049.7	4172.3	4310.5	4448.6	4574.0	4699.4
15°	3546.5	3606.4	3714.6	3828.3	3942.1	4074.7	4206.7	4347.1	4487.5	4614.0	4741.0
17.5°	3472.1	3523.2	3649.7	3781.7	3914.3	4064.7	4215.6	4365.4	4515.2	4633.4	4752.1
20°	3324.6	3356.7	3524.3	3698.5	3872.7	4049.7	4226.7	4387.6	4548.5	4668.4	4788.2
22.5°	3154.2	3184.7	3384.5	3603.1	3821.7	4038.1	4254.5	4430.9	4607.9	4717.2	4827.0
25°	2985.0	2987.8	3216.9	3489.3	3761.8	4037.0	4312.2	4505.2	4698.3	4793.2	4888.1
27.5°	2826.9	2813.0	3047.1	3372.8	3698.0	4047.5	4397.0	4614.0	4831.5	4904.2	4976.8
30°	2686.5	2671.5	2899.0	3271.3	3644.1	4070.3	4496.9	4742.7	4987.9	5044.5	5101.7
32.5°	2568.9	2568.9	2778.6	3182.5	3587.0	4095.8	4605.1	4894.2	5183.2	5218.8	5254.3
35°	2473.4	2507.8	2669.9	3081.5	3492.7	4089.7	4687.2	5055.1	5423.5	5467.9	5512.3
37.5°	2370.2	2435.7	2563.3	2969.5	3376.2	4072.5	4768.8	5251.5	5734.2	5786.9	5839.6
40°	2259.3	2341.4	2442.4	2835.7	3229.1	4033.6	4838.1	5476.2	6114.3	6218.6	6322.3
42.5°	2137.2	2238.7	2309.2	2676.5	3043.3	3966.5	4889.2	5724.8	6559.2	6779.5	6999.2
45°	2012.9	2113.9	2177.7	2514.5	2851.8	3920.4	4989.1	6062.1	7135.1	7487.5	7839.8
47.5°	1872.6	1966.9	2040.7	2353.6	2667.6	3866.6	5065.6	6408.9	7752.1	8198.2	8644.3
50°	1732.2	1825.4	1926.4	2210.5	2494.0	3775.1	5055.6	6711.3	8366.9	8971.6	9576.4
52.5°	1617.3	1717.2	1846.5	2081.7	2318.1	3587.5	4857.6	6854.4	8850.7	9811.7	10772.1
55°	1546.9	1664.5	1793.2	1974.1	2153.9	3339.0	4523.0	6816.7	9110.3	10655.6	12200.8
57.5°	1506.4	1650.6	1758.8	1883.1	2007.4	3078.8	4150.1	6610.8	9071.5	11364.1	13657.2
60°	1473.1	1617.3	1702.2	1789.3	1876.4	2749.7	3623.1	6117.6	8612.1	11681.4	14750.2
62.5°	1432.6	1570.2	1606.2	1654.5	1703.3	2332.5	2961.7	5309.2	7656.7	10977.4	14298.0
65°	*1356.6*	*1470.3*	*1480.3*	*1490.3*	*1500.8*	*1833.2*	*2165.0*	*4164.6*	*6164.2*	*9468.2*	*12772.2*
67.5°	1240.1	1317.7	1302.7	1273.3	1243.9	1401.5	1559.1	3240.8	4922.5	8131.6	11340.8
70°	1055.3	1093.0	1097.5	1053.6	1009.8	1065.3	1120.8	2483.4	3846.1	6908.2	9970.3
72.5°	864.4	840.6	885.0	851.7	818.4	818.9	820.0	1867.0	2914.0	5736.4	8558.3
75°	720.2	704.6	686.9	646.9	607.5	610.9	614.8	1383.8	2152.7	4580.1	7007.5
77.5°	585.3	582.6	531.5	488.3	445.0	442.8	439.4	894.4	1349.4	3005.0	4660.6
80°	443.9	446.6	374.5	329.6	284.1	281.9	278.5	494.4	710.2	1722.8	2735.3
82.5°	269.1	258.0	217.5	195.3	173.1	172.6	172.0	265.8	359.5	863.3	1367.7
85°	134.3	127.6	105.4	91.0	76.6	72.7	69.4	84.3	99.9	205.3	310.7
87.5°	38.8	33.3	30.5	27.7	25.0	23.3	22.2	22.7	23.3	24.4	25.0
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: P1364157
CATALOG NUMBER: GSS-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	*3617.5*	3617.5	3617.5
2.5°	3922.7	3936.5	3951.5	3967.1	3975.9	3984.8	3994.2	4003.1	*4011.4*	4003.1	3994.2
5°	4237.8	4300.0	4342.1	4384.3	4416.5	4448.6	4467.0	4485.8	*4488.6*	4485.8	4467.0
7.5°	4518.6	4592.9	4657.3	4721.6	4762.7	4803.7	4827.6	4852.0	*4860.3*	4852.0	4827.6
10°	4700.5	4788.2	4850.3	4913.0	4951.3	4989.1	5007.9	5026.8	*5032.3*	5026.8	5007.9
12.5°	4783.2	4867.0	4915.3	4963.0	4987.4	5011.2	5020.1	5027.9	*5021.2*	5027.9	5020.1
15°	4790.4	4839.2	4859.8	4879.8	4868.1	4855.9	4838.7	4821.5	*4810.4*	4821.5	4838.7
17.5°	4769.3	4787.1	4749.9	4713.3	4646.7	4580.1	4530.2	4480.3	*4444.2*	4480.3	4530.2
20°	4760.5	4732.7	4634.0	4535.8	4410.9	4286.1	4202.3	4118.0	*4066.9*	4118.0	4202.3
22.5°	4748.8	4670.6	4504.7	4338.8	4167.9	3997.6	3901.0	3805.0	*3750.7*	3805.0	3901.0
25°	4753.8	4619.0	4394.8	4171.2	3970.4	3770.1	3665.2	3560.9	*3501.0*	3560.9	3665.2
27.5°	4771.6	4566.3	4288.9	4011.4	3793.9	3575.9	3476.0	3376.2	*3323.4*	3376.2	3476.0
30°	4829.3	4556.3	4224.5	3892.1	3664.7	3437.2	3339.5	3241.3	*3184.7*	3241.3	3339.5
32.5°	4910.3	4566.3	4194.5	3822.8	3590.9	3359.5	3265.7	3172.5	*3123.7*	3172.5	3265.7
35°	5076.7	4641.2	4228.9	3817.2	3602.0	3387.3	3318.5	3250.2	*3223.6*	3250.2	3318.5
37.5°	5330.8	4821.5	4397.0	3972.6	3826.1	3679.6	3679.6	3679.6	*3700.7*	3679.6	3679.6
40°	5750.8	5179.4	4777.7	4376.5	4367.6	4359.9	4453.1	4546.9	*4588.5*	4546.9	4453.1
42.5°	6395.0	5791.3	5467.3	5143.3	5337.5	5531.7	5801.3	6071.0	*6247.4*	6071.0	5801.3
45°	7251.7	6663.5	6437.2	6211.3	6643.6	7075.2	7551.8	8028.4	*8366.9*	8028.4	7551.8
47.5°	8149.4	7653.9	7524.6	7395.9	8114.4	8832.9	9531.5	10230.0	*10641.7*	10230.0	9531.5
50°	9131.4	8685.9	8660.9	8636.0	9593.1	10550.1	11451.7	12353.3	*12855.5*	12353.3	11451.7
52.5°	10283.3	9793.9	9813.9	9832.7	10969.6	12106.4	13196.7	14286.9	*14852.9*	14286.9	13196.7
55°	11587.7	10974.6	10971.3	10967.9	12274.0	13581.2	14920.6	16261.0	*17016.7*	16261.0	14920.6
57.5°	13082.9	12508.7	12372.2	12235.2	13601.2	14966.6	16445.8	17925.5	*18720.0*	17925.5	16445.8
60°	14434.0	14117.7	13899.1	13681.1	15083.7	16486.8	18014.9	19542.3	*20334.6*	19542.3	18014.9
62.5°	14863.4	15428.8	15412.7	15396.6	16910.7	18424.9	20013.9	21604.1	*22315.4*	21604.1	20013.9
65°	*13673.8*	*14575.4*	*15195.7*	*15815.5*	*17645.9*	*19475.7*	*21131.3*	*22787.0*	*23513.8*	*22787.0*	*21131.3*
67.5°	12135.3	12930.4	13438.0	13945.7	16008.0	18070.9	19949.6	21828.2	*22576.1*	21828.2	19949.6
70°	10850.3	11730.3	12093.1	12456.0	14208.1	15959.8	17446.1	18932.0	*19224.9*	18932.0	17446.1
72.5°	9604.7	10651.7	10805.4	10959.0	12234.1	13509.1	14300.8	15092.6	*14453.4*	15092.6	14300.8
75°	8188.2	9368.3	9471.0	9573.6	9970.9	10368.7	10570.1	10772.1	*10408.7*	10772.1	10570.1
77.5°	5682.6	6705.1	6935.4	7165.7	7430.3	7695.5	7681.7	7667.8	*7157.3*	7667.8	7681.7
80°	3534.8	4334.4	4364.3	4394.3	4592.9	4791.0	4993.5	5196.0	*4871.4*	5196.0	4993.5
82.5°	1806.5	2246.0	2313.7	2381.3	2502.8	2624.4	2681.0	2738.1	*2463.5*	2738.1	2681.0
85°	425.0	539.3	649.7	760.1	887.7	1015.3	1000.9	986.5	*832.2*	986.5	1000.9
87.5°	25.5	26.6	27.2	27.7	28.3	28.9	30.5	32.2	*33.3*	32.2	30.5
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: P1364157
CATALOG NUMBER: GSS-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5	3617.5
2.5°	3984.8	3975.9	3967.1	3951.5	3936.5	3922.7	3908.8
5°	4448.6	4416.5	4384.3	4342.1	4300.0	4237.8	4175.1
7.5°	4803.7	4762.7	4721.6	4657.3	4592.9	4518.6	4444.2
10°	4989.1	4951.3	4913.0	4850.3	4788.2	4700.5	4613.4
12.5°	5011.2	4987.4	4963.0	4915.3	4867.0	4783.2	4699.4
15°	4855.9	4868.1	4879.8	4859.8	4839.2	4790.4	4741.0
17.5°	4580.1	4646.7	4713.3	4749.9	4787.1	4769.3	4752.1
20°	4286.1	4410.9	4535.8	4634.0	4732.7	4760.5	4788.2
22.5°	3997.6	4167.9	4338.8	4504.7	4670.6	4748.8	4827.0
25°	3770.1	3970.4	4171.2	4394.8	4619.0	4753.8	4888.1
27.5°	3575.9	3793.9	4011.4	4288.9	4566.3	4771.6	4976.8
30°	3437.2	3664.7	3892.1	4224.5	4556.3	4829.3	5101.7
32.5°	3359.5	3590.9	3822.8	4194.5	4566.3	4910.3	5254.3
35°	3387.3	3602.0	3817.2	4228.9	4641.2	5076.7	5512.3
37.5°	3679.6	3826.1	3972.6	4397.0	4821.5	5330.8	5839.6
40°	4359.9	4367.6	4376.5	4777.7	5179.4	5750.8	6322.3
42.5°	5531.7	5337.5	5143.3	5467.3	5791.3	6395.0	6999.2
45°	7075.2	6643.6	6211.3	6437.2	6663.5	7251.7	7839.8
47.5°	8832.9	8114.4	7395.9	7524.6	7653.9	8149.4	8644.3
50°	10550.1	9593.1	8636.0	8660.9	8685.9	9131.4	9576.4
52.5°	12106.4	10969.6	9832.7	9813.9	9793.9	10283.3	10772.1
55°	13581.2	12274.0	10967.9	10971.3	10974.6	11587.7	12200.8
57.5°	14966.6	13601.2	12235.2	12372.2	12508.7	13082.9	13657.2
60°	16486.8	15083.7	13681.1	13899.1	14117.7	14434.0	14750.2
62.5°	18424.9	16910.7	15396.6	15412.7	15428.8	14863.4	14298.0
65°	*19475.7*	*17645.9*	*15815.5*	*15195.7*	*14575.4*	*13673.8*	*12772.2*
67.5°	18070.9	16008.0	13945.7	13438.0	12930.4	12135.3	11340.8
70°	15959.8	14208.1	12456.0	12093.1	11730.3	10850.3	9970.3
72.5°	13509.1	12234.1	10959.0	10805.4	10651.7	9604.7	8558.3
75°	10368.7	9970.9	9573.6	9471.0	9368.3	8188.2	7007.5
77.5°	7695.5	7430.3	7165.7	6935.4	6705.1	5682.6	4660.6
80°	4791.0	4592.9	4394.3	4364.3	4334.4	3534.8	2735.3
82.5°	2624.4	2502.8	2381.3	2313.7	2246.0	1806.5	1367.7
85°	1015.3	887.7	760.1	649.7	539.3	425.0	310.7
87.5°	28.9	28.3	27.7	27.2	26.6	25.5	25.0
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

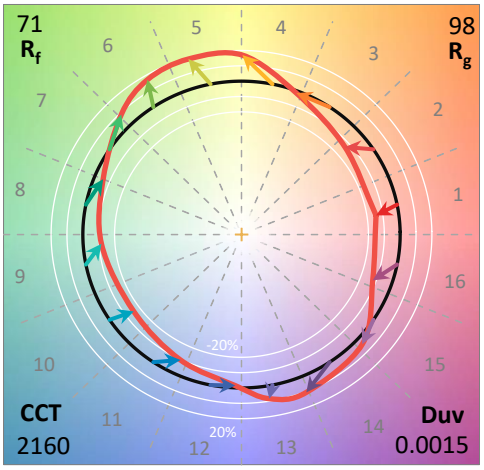
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

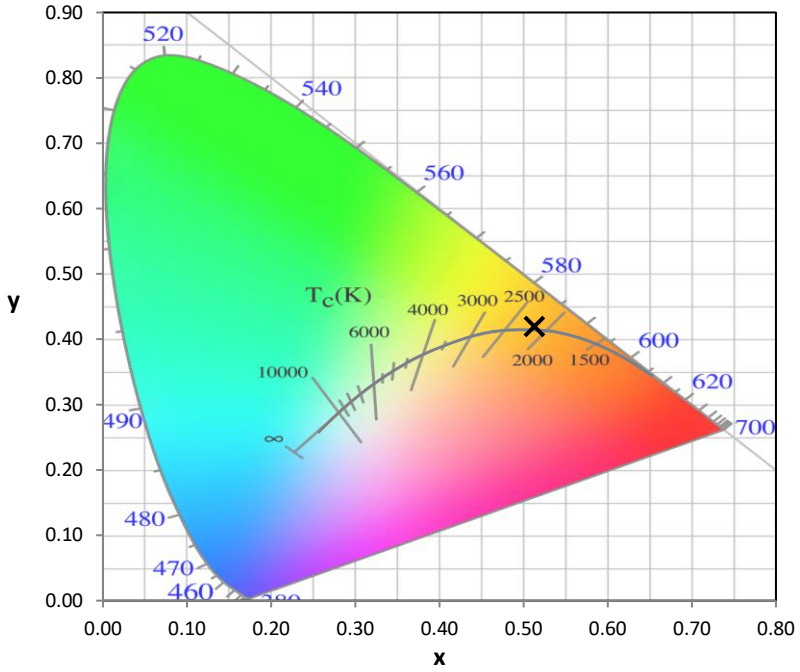
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

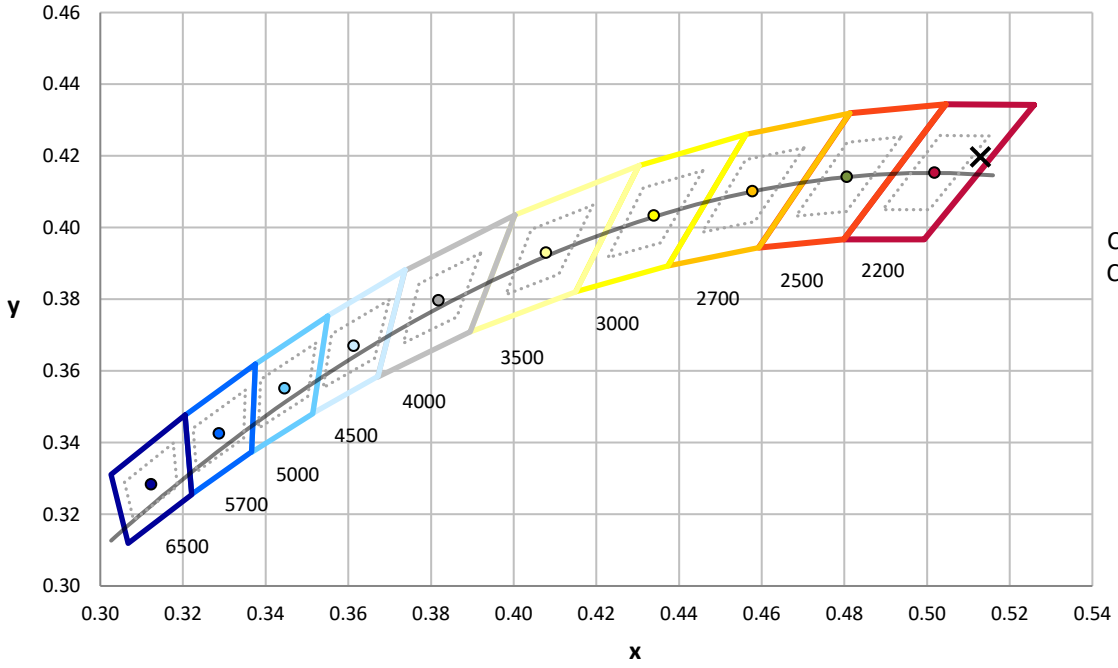
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

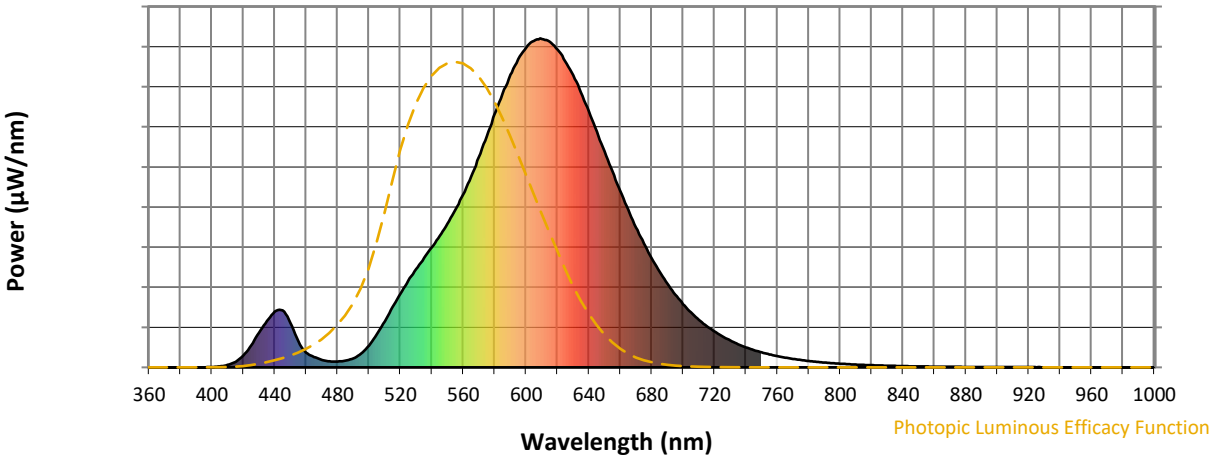


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

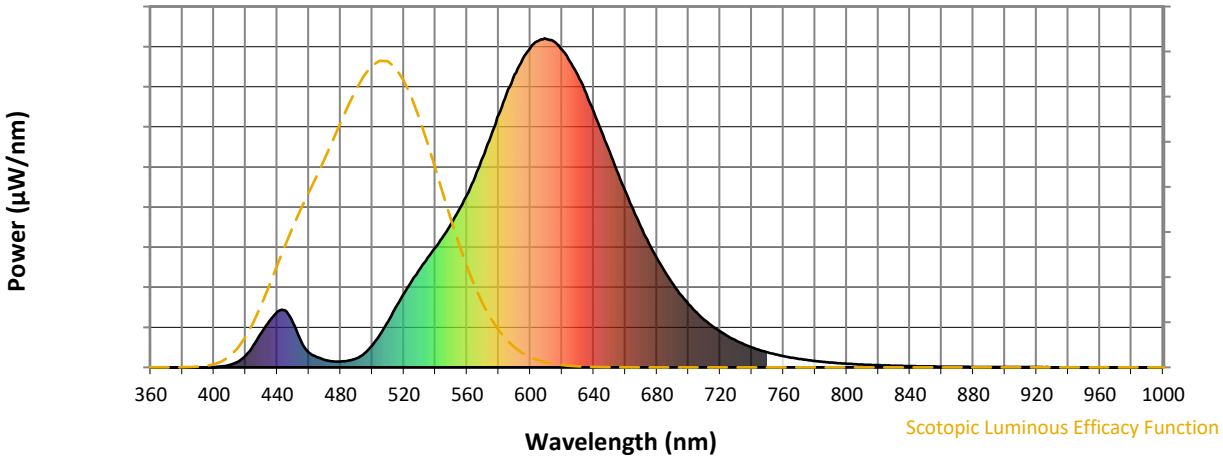


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

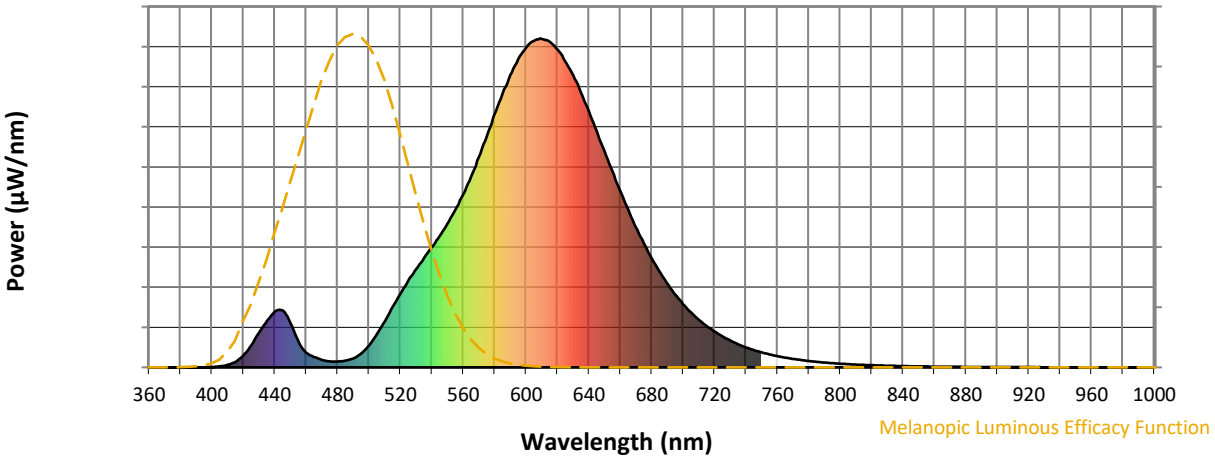


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

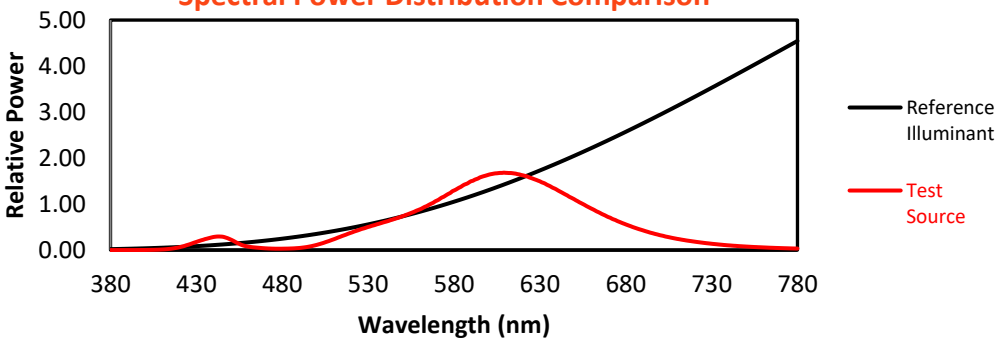
REPORT NUMBER: SP1-2407-184-2

TM-30-18

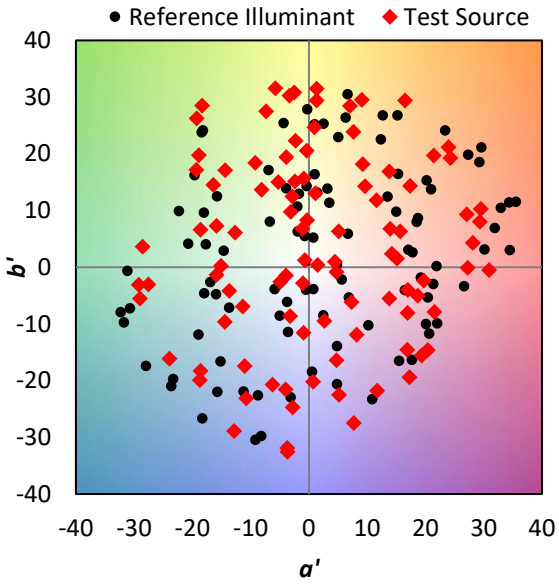
Summary

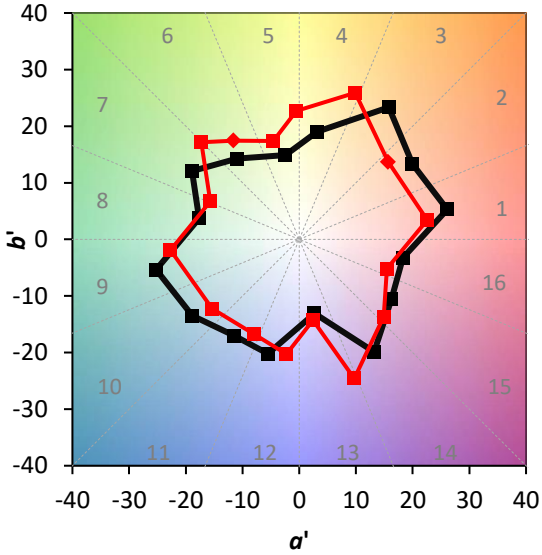
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

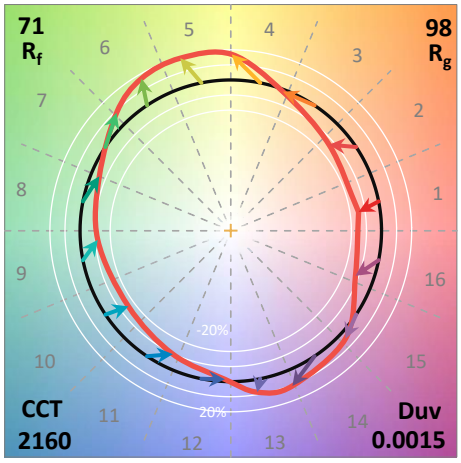
Spectral Power Distribution Comparison

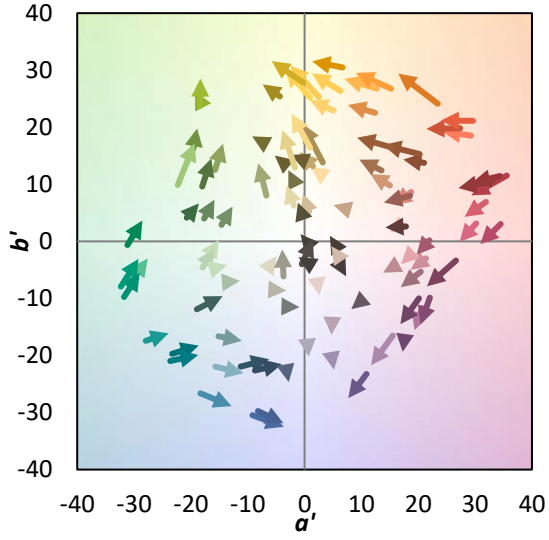


Color Vector Graphics







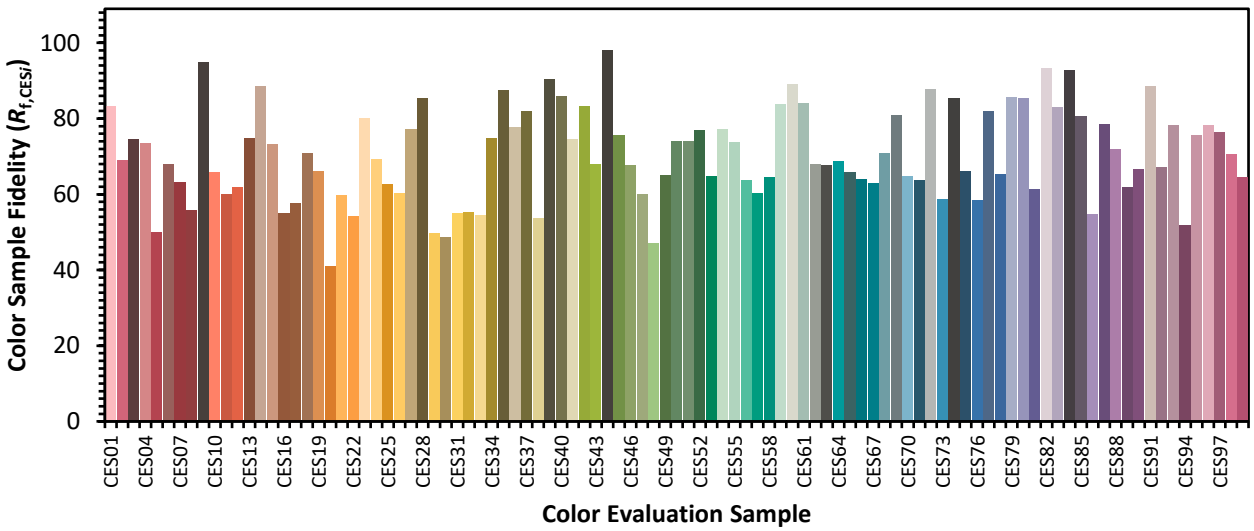


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

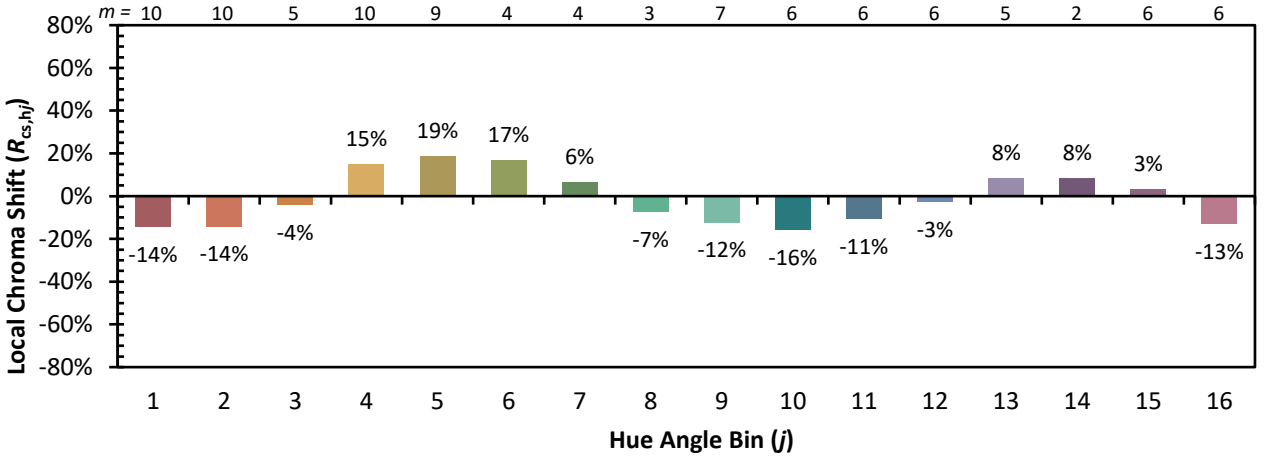
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

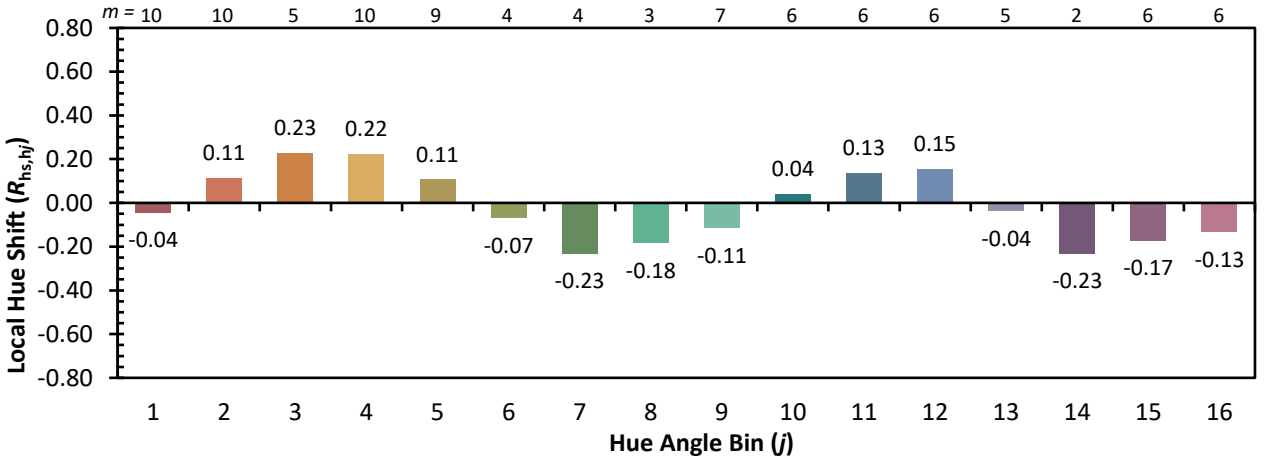


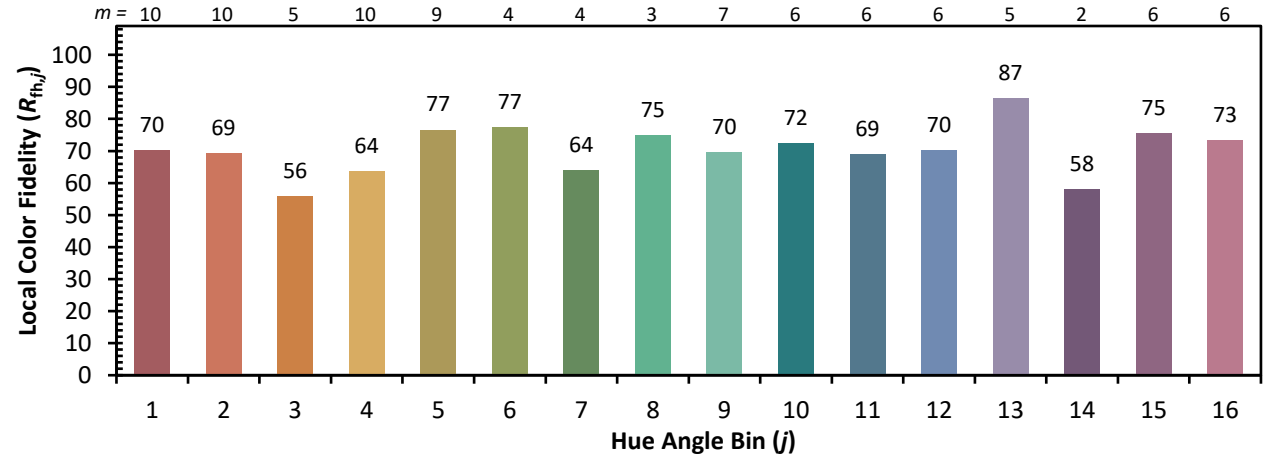
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



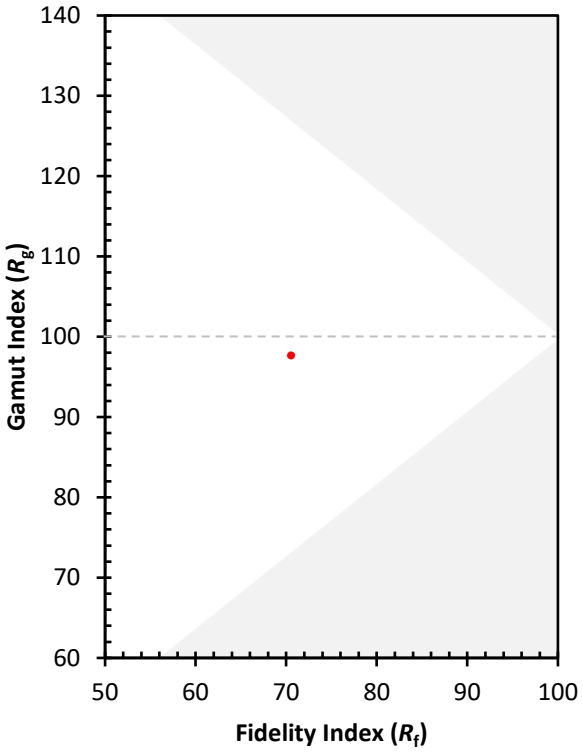


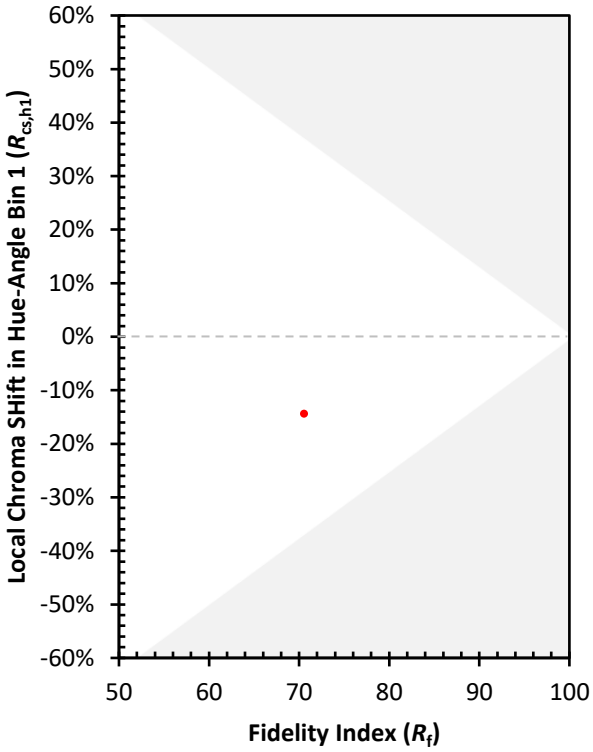


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)