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: P1364973

Luminaire Tested: **GSS-SB4C-730-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:	P1364973
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-730-U-SLL
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC
Light Source:	(104) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27451.2 lumens
Efficiency:	N/A
Efficacy:	134.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

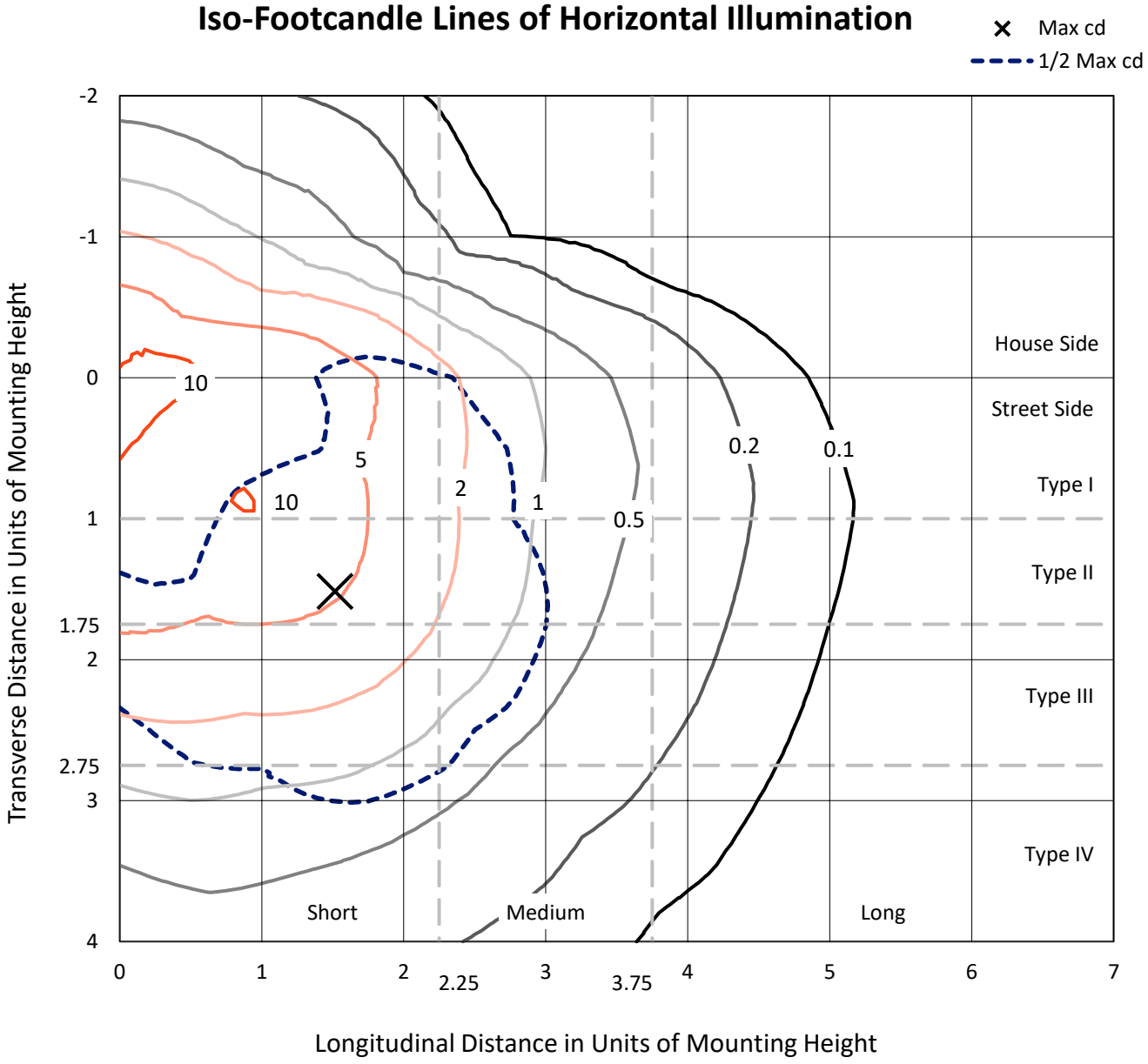
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1364973
CATALOG NUMBER: GSS-SB4C-730-U-SLL

Iso-Footcandle Lines of Horizontal Illumination



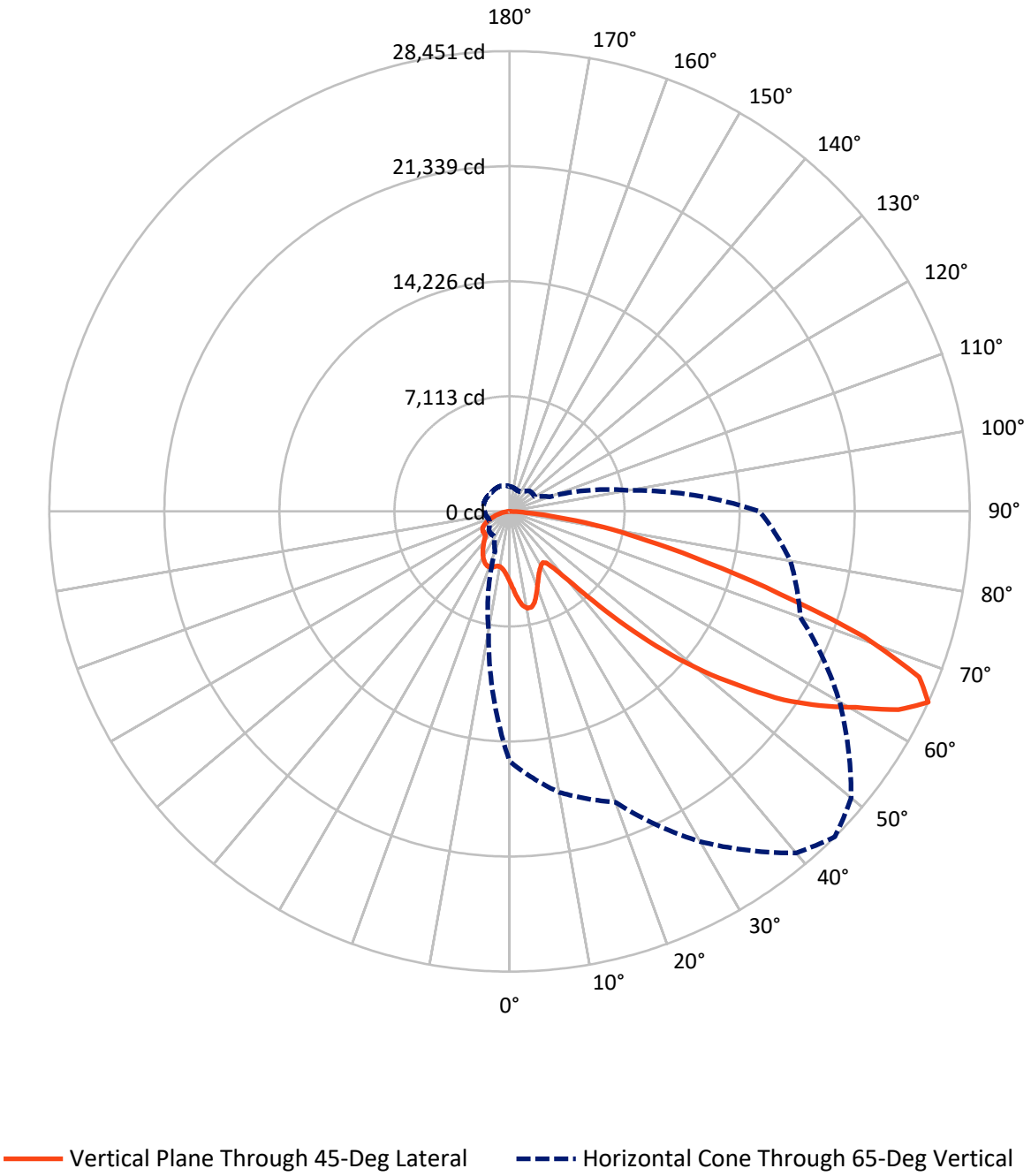
Based on 20 foot mounting height. Maximum calculated value = 14.5 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364973
CATALOG NUMBER: GSS-SB4C-730-U-SLL

Luminous Intensity Polar Plot



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

Scaled Data Report

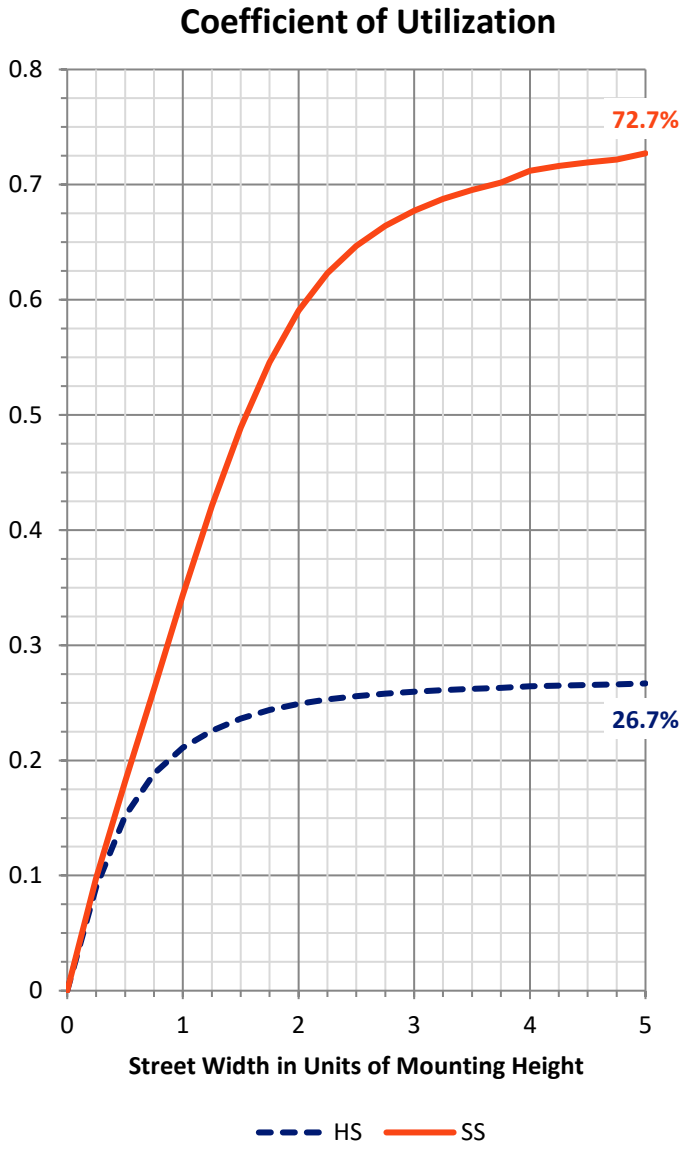
REPORT NUMBER: P1364973
CATALOG NUMBER: GSS-SB4C-730-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7385.0	0.0	7385.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	20066.2	0.0	20066.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	27451.2	0.0	27451.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.2	1.6
10°-20°	1324.5	4.8
20°-30°	2049.9	7.5
30°-40°	2543.2	9.3
40°-50°	3719.0	13.5
50°-60°	5825.4	21.2
60°-70°	6912.2	25.2
70°-80°	4031.5	14.7
80°-90°	613.3	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°	27451.2	100.0
0°-180°	27451.2	100.0



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

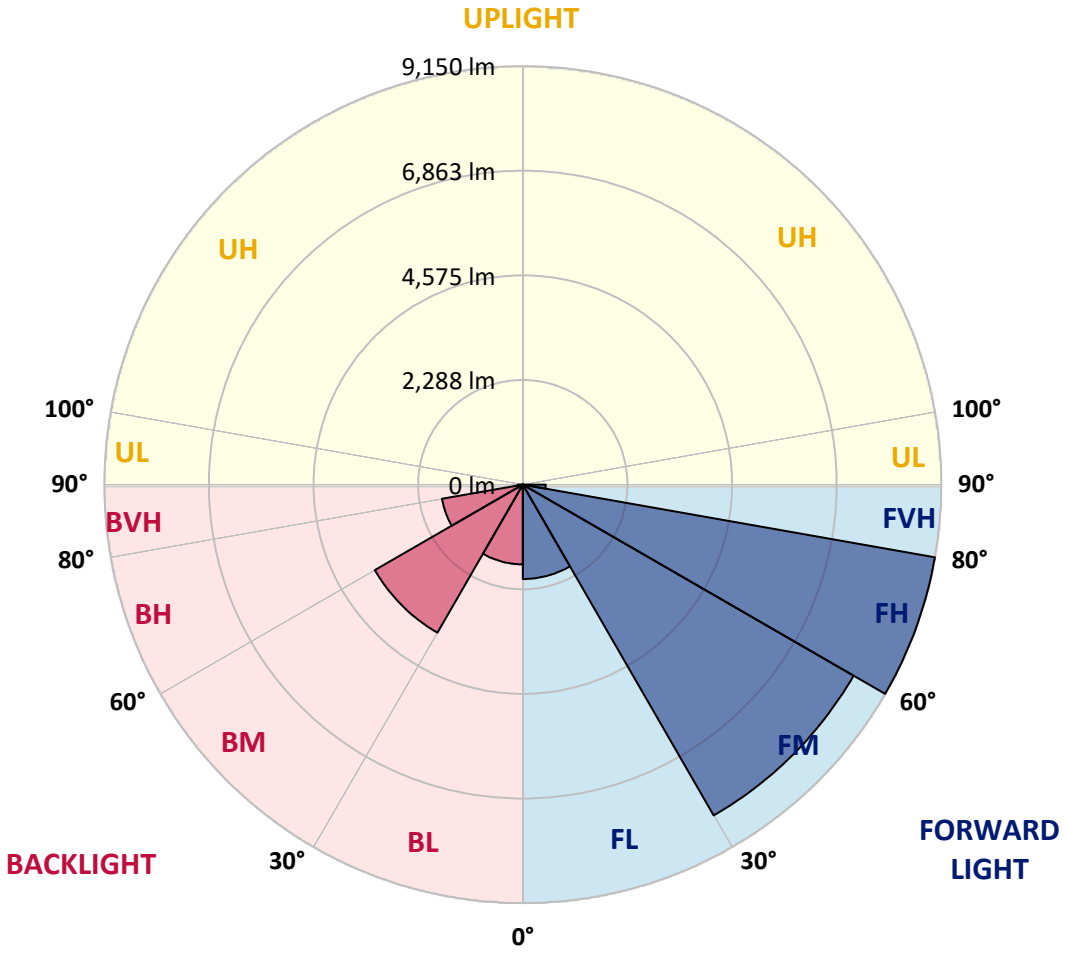
Scaled Data Report

REPORT NUMBER: P1364973
CATALOG NUMBER: GSS-SB4C-730-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2063.2	7.5			
FM	(30°-60°)	8351.2	30.4			
FH	(60°-80°)	9150.2	33.3			G4/12000
FVH	(80°-90°)	501.6	1.8			G4/750
BL	(0°-30°)	1743.4	6.4	B3/2500		
BM	(30°-60°)	3736.4	13.6	B3/5000		
BH	(60°-80°)	1793.5	6.5	B3/2500		G3/2500
BVH	(80°-90°)	111.7	0.4			G2/225
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: P1364973
CATALOG NUMBER: GSS-SB4C-730-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	*4377.1*	4377.1
2.5°	4729.6	4746.4	4763.2	4781.3	4800.1	4810.8	4821.6	4833.0	4843.7	*4853.8*	4843.7
5°	5051.8	5127.7	5202.9	5253.9	5304.9	5343.9	5382.8	5405.0	5427.8	*5431.1*	5427.8
7.5°	5377.4	5467.4	5557.4	5635.2	5713.1	5762.8	5812.5	5841.3	5870.9	*5880.9*	5870.9
10°	5582.2	5687.6	5793.7	5868.9	5944.7	5991.0	6036.7	6059.5	6082.3	*6089.1*	6082.3
12.5°	5686.3	5787.6	5889.0	5947.4	6005.1	6034.7	6063.5	6074.3	6083.7	*6075.6*	6083.7
15°	5736.6	5796.4	5855.4	5880.3	5904.4	5890.3	5875.6	5854.8	5833.9	*5820.5*	5833.9
17.5°	5750.0	5770.8	5792.3	5747.3	5703.0	5622.5	5541.9	5481.5	5421.1	*5377.4*	5421.1
20°	5793.7	5760.1	5726.5	5607.0	5488.2	5337.2	5186.1	5084.7	4982.7	*4920.9*	4982.7
22.5°	5840.7	5746.0	5651.3	5450.6	5249.9	5043.1	4837.0	4720.2	4604.1	*4538.3*	4604.1
25°	5914.5	5752.0	5588.9	5317.7	5047.1	4804.1	4561.8	4434.9	4308.7	*4236.2*	4308.7
27.5°	6021.9	5773.5	5525.1	5189.5	4853.8	4590.6	4326.8	4205.9	4085.1	*4021.3*	4085.1
30°	6173.0	5843.3	5513.0	5111.6	4709.5	4434.2	4159.0	4040.8	3922.0	*3853.5*	3922.0
32.5°	6357.6	5941.4	5525.1	5075.3	4625.5	4344.9	4065.0	3951.5	3838.7	*3779.6*	3838.7
35°	6669.8	6142.8	5615.8	5117.0	4618.8	4358.3	4098.5	4015.3	3932.7	*3900.5*	3932.7
37.5°	7065.9	6450.2	5833.9	5320.4	4806.8	4629.6	4452.3	4452.3	4452.3	*4477.8*	4452.3
40°	7649.9	6958.4	6267.0	5780.9	5295.5	5284.8	5275.4	5388.2	5501.6	*5552.0*	5501.6
42.5°	8469.0	7737.9	7007.4	6615.4	6223.3	6458.3	6693.3	7019.5	7345.8	*7559.3*	7345.8
45°	9486.0	8774.4	8062.8	7788.9	7515.7	8038.6	8560.9	9137.6	9714.3	*10123.8*	9714.3
47.5°	10459.5	9860.6	9261.1	9104.7	8949.0	9818.3	10687.7	11533.0	12378.2	*12876.3*	12378.2
50°	11587.3	11048.9	10509.8	10479.6	10449.4	11607.5	12765.5	13856.5	14947.4	*15554.9*	14947.4
52.5°	13034.1	12442.6	11850.5	11874.7	11897.5	13273.1	14648.6	15967.8	17287.0	*17971.8*	17287.0
55°	14762.8	14020.9	13279.1	13275.1	13271.1	14851.4	16433.1	18053.7	19675.6	*20590.0*	19675.6
57.5°	16525.0	15830.2	15135.4	14970.2	14804.4	16457.2	18109.4	19899.2	21689.7	*22651.0*	21689.7
60°	17847.6	17464.9	17082.2	16817.7	16553.9	18251.1	19948.9	21797.7	23645.9	*24604.6*	23645.9
62.5°	17300.4	17984.5	18668.6	18649.2	18629.7	20461.8	22293.9	24216.6	26140.6	*27001.3*	26140.6
65°	*15454.2*	*16545.2*	*17636.1*	*18386.7*	*19136.5*	*21351.3*	*23565.4*	*25568.7*	*27571.9*	*28451.4*	*27571.9*
67.5°	13722.2	14683.5	15645.6	16259.9	16874.1	19369.5	21865.5	24138.7	26411.9	*27316.8*	26411.9
70°	12064.0	13128.7	14193.5	14632.5	15071.6	17191.7	19311.1	21109.6	22907.5	*23261.9*	22907.5
72.5°	10355.4	11621.6	12888.4	13074.3	13260.3	14803.0	16345.8	17303.8	18261.8	*17488.4*	18261.8
75°	8479.0	9907.6	11335.6	11459.8	11584.0	12064.7	12546.0	12789.7	13034.1	*12594.3*	13034.1
77.5°	5639.3	6875.9	8113.1	8391.8	8670.4	8990.6	9311.5	9294.7	9277.9	*8660.3*	9277.9
80°	3309.7	4277.1	5244.5	5280.8	5317.0	5557.4	5797.0	6042.1	6287.1	*5894.4*	6287.1
82.5°	1654.9	2185.9	2717.6	2799.5	2881.4	3028.4	3175.4	3243.9	3313.1	*2980.7*	3313.1
85°	376.0	514.2	652.5	786.1	919.7	1074.1	1228.6	1211.1	1193.6	*1007.0*	1193.6
87.5°	30.2	30.9	32.2	32.9	33.6	34.2	34.9	36.9	38.9	*40.3*	38.9
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: P1364973
CATALOG NUMBER: GSS-SB4C-730-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1
2.5°	4833.0	4821.6	4810.8	4800.1	4781.3	4763.2	4746.4	4729.6	4686.6	4644.3	4605.4
5°	5405.0	5382.8	5343.9	5304.9	5253.9	5202.9	5127.7	5051.8	4976.0	4900.8	4821.6
7.5°	5841.3	5812.5	5762.8	5713.1	5635.2	5557.4	5467.4	5377.4	5249.9	5122.3	5002.2
10°	6059.5	6036.7	5991.0	5944.7	5868.9	5793.7	5687.6	5582.2	5429.8	5276.7	5127.7
12.5°	6074.3	6063.5	6034.7	6005.1	5947.4	5889.0	5787.6	5686.3	5534.5	5382.8	5215.6
15°	5854.8	5875.6	5890.3	5904.4	5880.3	5855.4	5796.4	5736.6	5582.9	5429.8	5259.9
17.5°	5481.5	5541.9	5622.5	5703.0	5747.3	5792.3	5770.8	5750.0	5606.4	5463.4	5282.1
20°	5084.7	5186.1	5337.2	5488.2	5607.0	5726.5	5760.1	5793.7	5648.7	5503.6	5309.0
22.5°	4720.2	4837.0	5043.1	5249.9	5450.6	5651.3	5746.0	5840.7	5707.7	5575.5	5361.3
25°	4434.9	4561.8	4804.1	5047.1	5317.7	5588.9	5752.0	5914.5	5799.7	5684.9	5451.3
27.5°	4205.9	4326.8	4590.6	4853.8	5189.5	5525.1	5773.5	6021.9	5934.0	5846.0	5582.9
30°	4040.8	4159.0	4434.2	4709.5	5111.6	5513.0	5843.3	6173.0	6103.8	6035.3	5738.6
32.5°	3951.5	4065.0	4344.9	4625.5	5075.3	5525.1	5941.4	6357.6	6314.6	6271.7	5921.9
35°	4015.3	4098.5	4358.3	4618.8	5117.0	5615.8	6142.8	6669.8	6616.1	6562.3	6116.6
37.5°	4452.3	4452.3	4629.6	4806.8	5320.4	5833.9	6450.2	7065.9	7002.1	6938.3	6354.2
40°	5388.2	5275.4	5284.8	5295.5	5780.9	6267.0	6958.4	7649.9	7524.4	7398.2	6626.1
42.5°	7019.5	6693.3	6458.3	6223.3	6615.4	7007.4	7737.9	8469.0	8203.1	7936.6	6926.9
45°	9137.6	8560.9	8038.6	7515.7	7788.9	8062.8	8774.4	9486.0	9059.7	8633.4	7335.1
47.5°	11533.0	10687.7	9818.3	8949.0	9104.7	9261.1	9860.6	10459.5	9919.7	9380.0	7754.6
50°	13856.5	12765.5	11607.5	10449.4	10479.6	10509.8	11048.9	11587.3	10855.6	10123.8	8120.5
52.5°	15967.8	14648.6	13273.1	11897.5	11874.7	11850.5	12442.6	13034.1	11872.0	10709.2	8293.7
55°	18053.7	16433.1	14851.4	13271.1	13275.1	13279.1	14020.9	14762.8	12893.1	11023.4	8248.1
57.5°	19899.2	18109.4	16457.2	14804.4	14970.2	15135.4	15830.2	16525.0	13750.4	10976.4	7999.0
60°	21797.7	19948.9	18251.1	16553.9	16817.7	17082.2	17464.9	17847.6	14134.4	10420.5	7402.2
62.5°	24216.6	22293.9	20461.8	18629.7	18649.2	18668.6	17984.5	17300.4	13282.5	9264.5	6424.1
65°	*25568.7*	*23565.4*	*21351.3*	*19136.5*	*18386.7*	*17636.1*	*16545.2*	*15454.2*	*11456.4*	*7458.6*	*5039.1*
67.5°	24138.7	21865.5	19369.5	16874.1	16259.9	15645.6	14683.5	13722.2	9839.2	5956.1	3921.3
70°	21109.6	19311.1	17191.7	15071.6	14632.5	14193.5	13128.7	12064.0	8358.9	4653.7	3004.9
72.5°	17303.8	16345.8	14803.0	13260.3	13074.3	12888.4	11621.6	10355.4	6941.0	3525.9	2259.1
75°	12789.7	12546.0	12064.7	11584.0	11459.8	11335.6	9907.6	8479.0	5541.9	2604.8	1674.3
77.5°	9294.7	9311.5	8990.6	8670.4	8391.8	8113.1	6875.9	5639.3	3636.0	1632.7	1082.2
80°	6042.1	5797.0	5557.4	5317.0	5280.8	5244.5	4277.1	3309.7	2084.5	859.3	598.2
82.5°	3243.9	3175.4	3028.4	2881.4	2799.5	2717.6	2185.9	1654.9	1044.6	435.0	321.6
85°	1211.1	1228.6	1074.1	919.7	786.1	652.5	514.2	376.0	248.4	120.8	102.0
87.5°	36.9	34.9	34.2	33.6	32.9	32.2	30.9	30.2	29.5	28.2	27.5
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: P1364973
CATALOG NUMBER: GSS-SB4C-730-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1
2.5°	4566.5	4527.5	4487.9	4450.3	4412.0	4373.8	4340.2	4304.0	4268.4	4240.2	4212.7
5°	4743.0	4665.8	4588.6	4515.4	4442.9	4367.1	4301.9	4237.5	4174.4	4122.0	4069.7
7.5°	4882.0	4774.6	4667.2	4571.2	4474.5	4373.8	4295.2	4216.7	4138.8	4071.0	4002.5
10°	4978.0	4845.7	4712.8	4602.0	4491.3	4383.9	4299.9	4217.4	4135.5	4065.6	3995.8
12.5°	5048.5	4900.1	4751.7	4629.6	4508.0	4390.6	4308.7	4240.2	4172.4	4123.4	4075.0
15°	5090.1	4930.3	4769.9	4632.2	4494.6	4363.7	4291.2	4246.9	4202.6	4198.6	4194.5
17.5°	5100.8	4918.2	4736.3	4575.9	4416.1	4263.0	4201.2	4195.2	4189.2	4255.6	4322.1
20°	5114.3	4900.1	4686.0	4475.2	4264.4	4061.6	4022.7	4060.9	4098.5	4228.8	4358.3
22.5°	5147.8	4886.0	4624.2	4359.7	4095.2	3853.5	3816.6	3873.0	3928.7	4098.5	4268.4
25°	5217.7	4884.7	4551.7	4222.1	3892.4	3615.2	3611.8	3672.9	3734.0	3891.1	4048.2
27.5°	5320.4	4897.4	4474.5	4081.1	3687.0	3403.7	3420.5	3478.9	3538.0	3654.8	3771.6
30°	5441.2	4925.0	4409.4	3958.2	3507.8	3232.5	3250.6	3296.3	3341.9	3426.5	3511.1
32.5°	5572.1	4955.8	4340.2	3850.8	3362.1	3108.3	3108.3	3127.8	3147.2	3202.3	3257.3
35°	5671.5	4948.4	4226.1	3728.6	3230.5	3034.5	2992.8	2976.7	2960.6	2996.9	3033.1
37.5°	5770.2	4927.6	4085.1	3593.0	3101.6	2947.2	2868.0	2825.0	2780.7	2798.1	2814.3
40°	5854.1	4880.6	3907.2	3431.2	2955.2	2833.1	2733.7	2669.2	2604.8	2603.5	2601.4
42.5°	5915.8	4799.4	3682.3	3238.5	2794.1	2708.9	2586.0	2504.1	2422.2	2413.5	2404.7
45°	6036.7	4743.7	3450.7	3042.5	2635.0	2557.8	2435.6	2351.0	2267.8	2254.4	2240.9
47.5°	6129.3	4678.6	3227.8	2847.8	2469.2	2379.9	2265.8	2193.9	2121.4	2113.4	2104.7
50°	6117.3	4567.8	3017.7	2674.6	2330.9	2208.7	2095.9	2036.8	1977.1	1987.2	1997.2
52.5°	5877.6	4340.9	2804.9	2518.9	2234.2	2077.8	1957.0	1912.6	1867.7	1899.2	1930.1
55°	5472.8	4040.1	2606.1	2388.6	2169.8	2014.0	1871.7	1822.0	1772.3	1816.6	1861.0
57.5°	5021.6	3725.3	2428.9	2278.5	2128.1	1997.2	1822.7	1752.9	1683.7	1728.0	1772.3
60°	4383.9	3327.2	2270.5	2165.1	2059.7	1957.0	1782.4	1695.1	1607.9	1637.4	1666.3
62.5°	3583.6	2822.3	2061.0	2001.9	1943.5	1899.9	1733.4	1619.3	1505.1	1509.2	1511.9
65°	*2619.6*	*2218.1*	*1816.0*	*1803.2*	*1791.1*	*1779.1*	*1641.4*	*1518.6*	*1396.4*	*1383.0*	*1369.5*
67.5°	1886.5	1695.8	1505.1	1540.7	1576.3	1594.4	1500.4	1392.4	1283.6	1256.1	1228.6
70°	1356.1	1289.0	1221.8	1274.9	1327.9	1322.5	1276.9	1212.4	1148.0	1130.5	1113.1
72.5°	992.2	990.9	990.2	1030.5	1070.8	1017.1	1045.9	1031.2	1017.1	1004.3	992.2
75°	743.8	739.1	735.1	782.8	831.1	852.6	871.4	863.3	856.0	846.6	837.8
77.5°	531.7	535.7	538.4	590.8	643.1	704.9	708.3	690.8	672.7	663.3	652.5
80°	337.0	341.0	343.7	398.8	453.2	540.4	537.1	515.6	493.4	486.1	478.0
82.5°	208.1	208.8	209.5	236.3	263.2	312.2	325.6	325.6	325.6	320.9	315.5
85°	83.9	87.9	92.6	110.1	127.6	154.4	162.5	163.8	164.5	157.1	149.0
87.5°	26.9	28.2	30.2	33.6	36.9	40.3	47.0	51.0	55.0	59.1	61.8
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: P1364973
CATALOG NUMBER: GSS-SB4C-730-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1
2.5°	4188.5	4163.7	4134.8	4105.2	4084.4	4063.0	4048.9	4034.8	4028.0	4021.3	4016.0
5°	4026.7	3982.4	3943.5	3903.8	3873.0	3841.4	3815.9	3789.7	3779.0	3767.6	3760.2
7.5°	3944.8	3887.1	3838.7	3789.7	3743.4	3697.7	3668.2	3638.7	3621.2	3603.8	3591.0
10°	3934.7	3873.6	3809.9	3746.1	3695.1	3644.0	3599.7	3556.8	3531.9	3507.8	3494.3
12.5°	4018.6	3962.2	3886.4	3809.9	3740.7	3672.2	3617.9	3563.5	3532.6	3503.1	3482.9
15°	4175.1	4155.6	4085.1	4014.6	3919.3	3823.3	3745.4	3666.9	3623.9	3579.6	3554.7
17.5°	4360.4	4398.6	4349.6	4299.9	4165.7	4031.4	3915.3	3799.8	3736.7	3673.6	3651.4
20°	4461.7	4565.1	4559.7	4555.0	4379.8	4203.9	4051.5	3899.1	3814.6	3731.3	3697.7
22.5°	4417.4	4566.5	4604.7	4642.3	4470.5	4297.9	4109.9	3922.0	3822.6	3722.6	3691.0
25°	4208.6	4369.1	4440.2	4511.4	4369.8	4228.1	4045.5	3863.6	3758.8	3653.4	3621.2
27.5°	3900.5	4029.4	4109.3	4189.2	4102.6	4016.0	3868.3	3720.6	3627.9	3534.6	3500.4
30°	3598.4	3685.7	3749.4	3813.2	3756.1	3699.1	3593.0	3487.6	3418.5	3350.0	3328.5
32.5°	3322.5	3386.9	3422.5	3457.4	3413.1	3368.8	3299.0	3229.1	3186.2	3143.2	3129.1
35°	3085.5	3138.5	3165.4	3192.2	3155.3	3118.4	3055.9	2994.2	2963.3	2932.4	2921.0
37.5°	2859.2	2903.5	2941.8	2980.7	2953.9	2927.0	2874.0	2821.0	2784.7	2747.1	2727.0
40°	2644.4	2686.7	2735.0	2782.7	2778.0	2772.6	2722.3	2671.9	2619.6	2567.9	2540.4
42.5°	2447.0	2489.3	2540.4	2591.4	2601.4	2611.5	2569.9	2527.6	2467.2	2406.8	2364.5
45°	2277.2	2314.8	2370.5	2426.9	2450.4	2473.9	2436.3	2398.0	2330.2	2262.4	2212.1
47.5°	2142.9	2181.9	2243.6	2306.1	2330.9	2356.4	2330.9	2306.1	2247.6	2188.6	2144.3
50°	2039.5	2081.2	2129.5	2178.5	2224.8	2270.5	2265.8	2261.1	2214.8	2168.4	2126.8
52.5°	1968.4	2007.3	2057.7	2108.0	2156.3	2205.4	2212.7	2220.8	2187.2	2153.7	2117.4
55°	1907.3	1953.6	2000.6	2047.6	2093.2	2138.2	2148.3	2158.4	2134.2	2109.4	2082.5
57.5°	1822.7	1873.0	1920.0	1967.0	2020.1	2073.1	2081.2	2089.2	2063.7	2037.5	2017.4
60°	1718.0	1769.0	1818.0	1866.3	1920.0	1973.7	1984.5	1995.2	1975.1	1954.9	1936.1
62.5°	1570.3	1628.0	1668.3	1708.6	1759.6	1811.3	1826.7	1842.8	1833.4	1824.7	1803.2
65°	*1424.6*	*1480.3*	*1511.9*	*1544.1*	*1588.4*	*1632.7*	*1648.1*	*1663.6*	*1658.9*	*1654.9*	*1639.4*
67.5°	1279.6	1330.6	1356.8	1383.0	1413.2	1443.4	1460.8	1478.3	1469.6	1460.2	1444.1
70°	1154.7	1196.3	1219.2	1242.0	1266.1	1290.3	1299.7	1309.1	1295.7	1282.3	1246.0
72.5°	1023.8	1055.3	1074.8	1094.3	1117.1	1139.9	1145.3	1151.3	1130.5	1109.1	1066.8
75°	862.0	886.2	900.9	916.4	939.9	963.4	973.4	983.5	954.0	925.1	880.1
77.5°	674.7	696.9	710.9	725.0	744.5	764.0	766.7	770.7	745.2	719.7	692.8
80°	494.1	510.2	515.6	520.3	536.4	551.8	551.8	551.8	533.0	513.6	500.1
82.5°	312.2	308.8	302.1	295.4	311.5	327.6	333.0	339.0	330.3	322.2	307.5
85°	139.6	128.9	126.9	124.2	123.5	122.2	126.9	130.9	128.9	127.6	122.2
87.5°	65.8	68.5	66.5	63.8	61.1	59.1	53.7	48.3	44.3	40.3	37.6
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: P1364973
CATALOG NUMBER: GSS-SB4C-730-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1
2.5°	4011.3	4007.9	4011.3	4016.0	4021.3	4028.0	4034.8	4048.9	4063.0	4084.4	4105.2
5°	3752.8	3746.1	3752.8	3760.2	3767.6	3779.0	3789.7	3815.9	3841.4	3873.0	3903.8
7.5°	3578.2	3571.5	3578.2	3591.0	3603.8	3621.2	3638.7	3668.2	3697.7	3743.4	3789.7
10°	3480.9	3470.8	3480.9	3494.3	3507.8	3531.9	3556.8	3599.7	3644.0	3695.1	3746.1
12.5°	3462.8	3450.7	3462.8	3482.9	3503.1	3532.6	3563.5	3617.9	3672.2	3740.7	3809.9
15°	3529.9	3511.1	3529.9	3554.7	3579.6	3623.9	3666.9	3745.4	3823.3	3919.3	4014.6
17.5°	3628.6	3618.5	3628.6	3651.4	3673.6	3736.7	3799.8	3915.3	4031.4	4165.7	4299.9
20°	3664.2	3652.1	3664.2	3697.7	3731.3	3814.6	3899.1	4051.5	4203.9	4379.8	4555.0
22.5°	3658.8	3645.4	3658.8	3691.0	3722.6	3822.6	3922.0	4109.9	4297.9	4470.5	4642.3
25°	3588.3	3578.2	3588.3	3621.2	3653.4	3758.8	3863.6	4045.5	4228.1	4369.8	4511.4
27.5°	3465.5	3444.0	3465.5	3500.4	3534.6	3627.9	3720.6	3868.3	4016.0	4102.6	4189.2
30°	3306.3	3296.3	3306.3	3328.5	3350.0	3418.5	3487.6	3593.0	3699.1	3756.1	3813.2
32.5°	3115.0	3108.3	3115.0	3129.1	3143.2	3186.2	3229.1	3299.0	3368.8	3413.1	3457.4
35°	2910.3	2900.2	2910.3	2921.0	2932.4	2963.3	2994.2	3055.9	3118.4	3155.3	3192.2
37.5°	2706.8	2692.1	2706.8	2727.0	2747.1	2784.7	2821.0	2874.0	2927.0	2953.9	2980.7
40°	2512.2	2497.4	2512.2	2540.4	2567.9	2619.6	2671.9	2722.3	2772.6	2778.0	2782.7
42.5°	2322.8	2296.0	2322.8	2364.5	2406.8	2467.2	2527.6	2569.9	2611.5	2601.4	2591.4
45°	2161.7	2128.1	2161.7	2212.1	2262.4	2330.2	2398.0	2436.3	2473.9	2450.4	2426.9
47.5°	2100.0	2067.7	2100.0	2144.3	2188.6	2247.6	2306.1	2330.9	2356.4	2330.9	2306.1
50°	2084.5	2054.3	2084.5	2126.8	2168.4	2214.8	2261.1	2265.8	2270.5	2224.8	2178.5
52.5°	2081.2	2054.3	2081.2	2117.4	2153.7	2187.2	2220.8	2212.7	2205.4	2156.3	2108.0
55°	2055.6	2034.2	2055.6	2082.5	2109.4	2134.2	2158.4	2148.3	2138.2	2093.2	2047.6
57.5°	1997.2	1987.2	1997.2	2017.4	2037.5	2063.7	2089.2	2081.2	2073.1	2020.1	1967.0
60°	1916.7	1899.9	1916.7	1936.1	1954.9	1975.1	1995.2	1984.5	1973.7	1920.0	1866.3
62.5°	1782.4	1758.9	1782.4	1803.2	1824.7	1833.4	1842.8	1826.7	1811.3	1759.6	1708.6
65°	*1624.6*	*1597.8*	*1624.6*	*1639.4*	*1654.9*	*1658.9*	*1663.6*	*1648.1*	*1632.7*	*1588.4*	*1544.1*
67.5°	1428.6	1423.2	1428.6	1444.1	1460.2	1469.6	1478.3	1460.8	1443.4	1413.2	1383.0
70°	1209.8	1168.1	1209.8	1246.0	1282.3	1295.7	1309.1	1299.7	1290.3	1266.1	1242.0
72.5°	1023.8	980.2	1023.8	1066.8	1109.1	1130.5	1151.3	1145.3	1139.9	1117.1	1094.3
75°	835.8	805.6	835.8	880.1	925.1	954.0	983.5	973.4	963.4	939.9	916.4
77.5°	666.0	651.2	666.0	692.8	719.7	745.2	770.7	766.7	764.0	744.5	725.0
80°	486.7	476.7	486.7	500.1	513.6	533.0	551.8	551.8	551.8	536.4	520.3
82.5°	292.0	282.0	292.0	307.5	322.2	330.3	339.0	333.0	327.6	311.5	295.4
85°	117.5	114.1	117.5	122.2	127.6	128.9	130.9	126.9	122.2	123.5	124.2
87.5°	34.9	33.6	34.9	37.6	40.3	44.3	48.3	53.7	59.1	61.1	63.8
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: P1364973
CATALOG NUMBER: GSS-SB4C-730-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1
2.5°	4134.8	4163.7	4188.5	4212.7	4240.2	4268.4	4304.0	4340.2	4373.8	4412.0	4450.3
5°	3943.5	3982.4	4026.7	4069.7	4122.0	4174.4	4237.5	4301.9	4367.1	4442.9	4515.4
7.5°	3838.7	3887.1	3944.8	4002.5	4071.0	4138.8	4216.7	4295.2	4373.8	4474.5	4571.2
10°	3809.9	3873.6	3934.7	3995.8	4065.6	4135.5	4217.4	4299.9	4383.9	4491.3	4602.0
12.5°	3886.4	3962.2	4018.6	4075.0	4123.4	4172.4	4240.2	4308.7	4390.6	4508.0	4629.6
15°	4085.1	4155.6	4175.1	4194.5	4198.6	4202.6	4246.9	4291.2	4363.7	4494.6	4632.2
17.5°	4349.6	4398.6	4360.4	4322.1	4255.6	4189.2	4195.2	4201.2	4263.0	4416.1	4575.9
20°	4559.7	4565.1	4461.7	4358.3	4228.8	4098.5	4060.9	4022.7	4061.6	4264.4	4475.2
22.5°	4604.7	4566.5	4417.4	4268.4	4098.5	3928.7	3873.0	3816.6	3853.5	4095.2	4359.7
25°	4440.2	4369.1	4208.6	4048.2	3891.1	3734.0	3672.9	3611.8	3615.2	3892.4	4222.1
27.5°	4109.3	4029.4	3900.5	3771.6	3654.8	3538.0	3478.9	3420.5	3403.7	3687.0	4081.1
30°	3749.4	3685.7	3598.4	3511.1	3426.5	3341.9	3296.3	3250.6	3232.5	3507.8	3958.2
32.5°	3422.5	3386.9	3322.5	3257.3	3202.3	3147.2	3127.8	3108.3	3108.3	3362.1	3850.8
35°	3165.4	3138.5	3085.5	3033.1	2996.9	2960.6	2976.7	2992.8	3034.5	3230.5	3728.6
37.5°	2941.8	2903.5	2859.2	2814.3	2798.1	2780.7	2825.0	2868.0	2947.2	3101.6	3593.0
40°	2735.0	2686.7	2644.4	2601.4	2603.5	2604.8	2669.2	2733.7	2833.1	2955.2	3431.2
42.5°	2540.4	2489.3	2447.0	2404.7	2413.5	2422.2	2504.1	2586.0	2708.9	2794.1	3238.5
45°	2370.5	2314.8	2277.2	2240.9	2254.4	2267.8	2351.0	2435.6	2557.8	2635.0	3042.5
47.5°	2243.6	2181.9	2142.9	2104.7	2113.4	2121.4	2193.9	2265.8	2379.9	2469.2	2847.8
50°	2129.5	2081.2	2039.5	1997.2	1987.2	1977.1	2036.8	2095.9	2208.7	2330.9	2674.6
52.5°	2057.7	2007.3	1968.4	1930.1	1899.2	1867.7	1912.6	1957.0	2077.8	2234.2	2518.9
55°	2000.6	1953.6	1907.3	1861.0	1816.6	1772.3	1822.0	1871.7	2014.0	2169.8	2388.6
57.5°	1920.0	1873.0	1822.7	1772.3	1728.0	1683.7	1752.9	1822.7	1997.2	2128.1	2278.5
60°	1818.0	1769.0	1718.0	1666.3	1637.4	1607.9	1695.1	1782.4	1957.0	2059.7	2165.1
62.5°	1668.3	1628.0	1570.3	1511.9	1509.2	1505.1	1619.3	1733.4	1899.9	1943.5	2001.9
65°	*1511.9*	*1480.3*	*1424.6*	*1369.5*	*1383.0*	*1396.4*	*1518.6*	*1641.4*	*1779.1*	*1791.1*	*1803.2*
67.5°	1356.8	1330.6	1279.6	1228.6	1256.1	1283.6	1392.4	1500.4	1594.4	1576.3	1540.7
70°	1219.2	1196.3	1154.7	1113.1	1130.5	1148.0	1212.4	1276.9	1322.5	1327.9	1274.9
72.5°	1074.8	1055.3	1023.8	992.2	1004.3	1017.1	1031.2	1045.9	1017.1	1070.8	1030.5
75°	900.9	886.2	862.0	837.8	846.6	856.0	863.3	871.4	852.6	831.1	782.8
77.5°	710.9	696.9	674.7	652.5	663.3	672.7	690.8	708.3	704.9	643.1	590.8
80°	515.6	510.2	494.1	478.0	486.1	493.4	515.6	537.1	540.4	453.2	398.8
82.5°	302.1	308.8	312.2	315.5	320.9	325.6	325.6	325.6	312.2	263.2	236.3
85°	126.9	128.9	139.6	149.0	157.1	164.5	163.8	162.5	154.4	127.6	110.1
87.5°	66.5	68.5	65.8	61.8	59.1	55.0	51.0	47.0	40.3	36.9	33.6
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: P1364973
CATALOG NUMBER: GSS-SB4C-730-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1	4377.1
2.5°	4487.9	4527.5	4566.5	4605.4	4644.3	4686.6	4729.6
5°	4588.6	4665.8	4743.0	4821.6	4900.8	4976.0	5051.8
7.5°	4667.2	4774.6	4882.0	5002.2	5122.3	5249.9	5377.4
10°	4712.8	4845.7	4978.0	5127.7	5276.7	5429.8	5582.2
12.5°	4751.7	4900.1	5048.5	5215.6	5382.8	5534.5	5686.3
15°	4769.9	4930.3	5090.1	5259.9	5429.8	5582.9	5736.6
17.5°	4736.3	4918.2	5100.8	5282.1	5463.4	5606.4	5750.0
20°	4686.0	4900.1	5114.3	5309.0	5503.6	5648.7	5793.7
22.5°	4624.2	4886.0	5147.8	5361.3	5575.5	5707.7	5840.7
25°	4551.7	4884.7	5217.7	5451.3	5684.9	5799.7	5914.5
27.5°	4474.5	4897.4	5320.4	5582.9	5846.0	5934.0	6021.9
30°	4409.4	4925.0	5441.2	5738.6	6035.3	6103.8	6173.0
32.5°	4340.2	4955.8	5572.1	5921.9	6271.7	6314.6	6357.6
35°	4226.1	4948.4	5671.5	6116.6	6562.3	6616.1	6669.8
37.5°	4085.1	4927.6	5770.2	6354.2	6938.3	7002.1	7065.9
40°	3907.2	4880.6	5854.1	6626.1	7398.2	7524.4	7649.9
42.5°	3682.3	4799.4	5915.8	6926.9	7936.6	8203.1	8469.0
45°	3450.7	4743.7	6036.7	7335.1	8633.4	9059.7	9486.0
47.5°	3227.8	4678.6	6129.3	7754.6	9380.0	9919.7	10459.5
50°	3017.7	4567.8	6117.3	8120.5	10123.8	10855.6	11587.3
52.5°	2804.9	4340.9	5877.6	8293.7	10709.2	11872.0	13034.1
55°	2606.1	4040.1	5472.8	8248.1	11023.4	12893.1	14762.8
57.5°	2428.9	3725.3	5021.6	7999.0	10976.4	13750.4	16525.0
60°	2270.5	3327.2	4383.9	7402.2	10420.5	14134.4	17847.6
62.5°	2061.0	2822.3	3583.6	6424.1	9264.5	13282.5	17300.4
65°	*1816.0*	*2218.1*	*2619.6*	*5039.1*	*7458.6*	*11456.4*	*15454.2*
67.5°	1505.1	1695.8	1886.5	3921.3	5956.1	9839.2	13722.2
70°	1221.8	1289.0	1356.1	3004.9	4653.7	8358.9	12064.0
72.5°	990.2	990.9	992.2	2259.1	3525.9	6941.0	10355.4
75°	735.1	739.1	743.8	1674.3	2604.8	5541.9	8479.0
77.5°	538.4	535.7	531.7	1082.2	1632.7	3636.0	5639.3
80°	343.7	341.0	337.0	598.2	859.3	2084.5	3309.7
82.5°	209.5	208.8	208.1	321.6	435.0	1044.6	1654.9
85°	92.6	87.9	83.9	102.0	120.8	248.4	376.0
87.5°	30.2	28.2	26.9	27.5	28.2	29.5	30.2
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

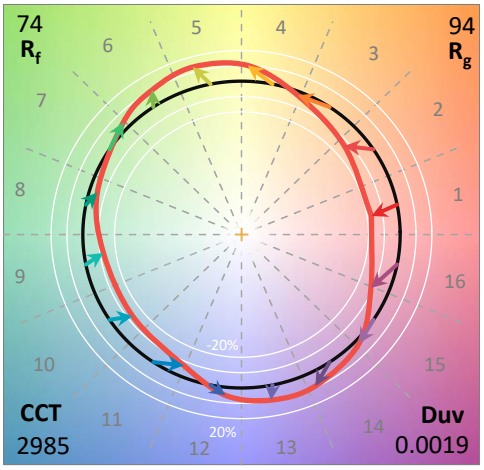
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



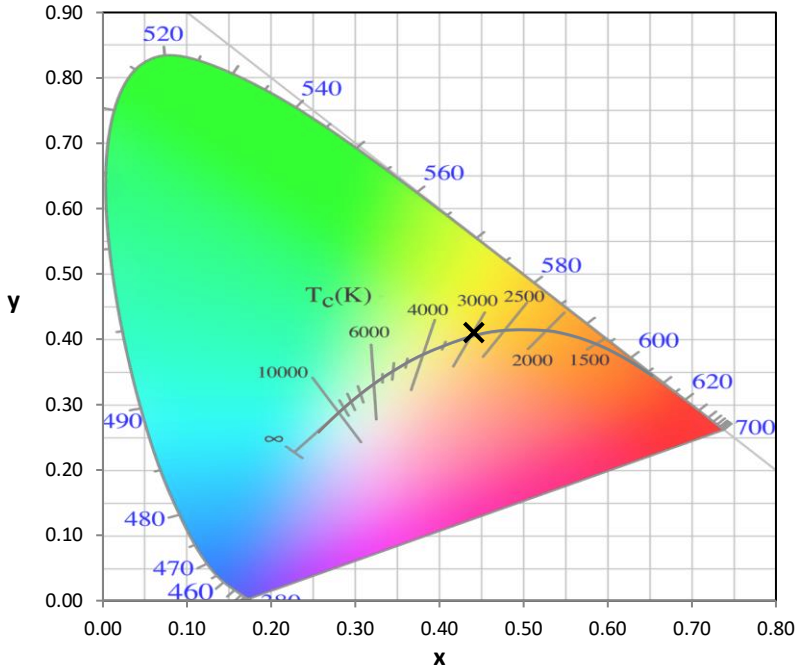
Test Conditions

Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

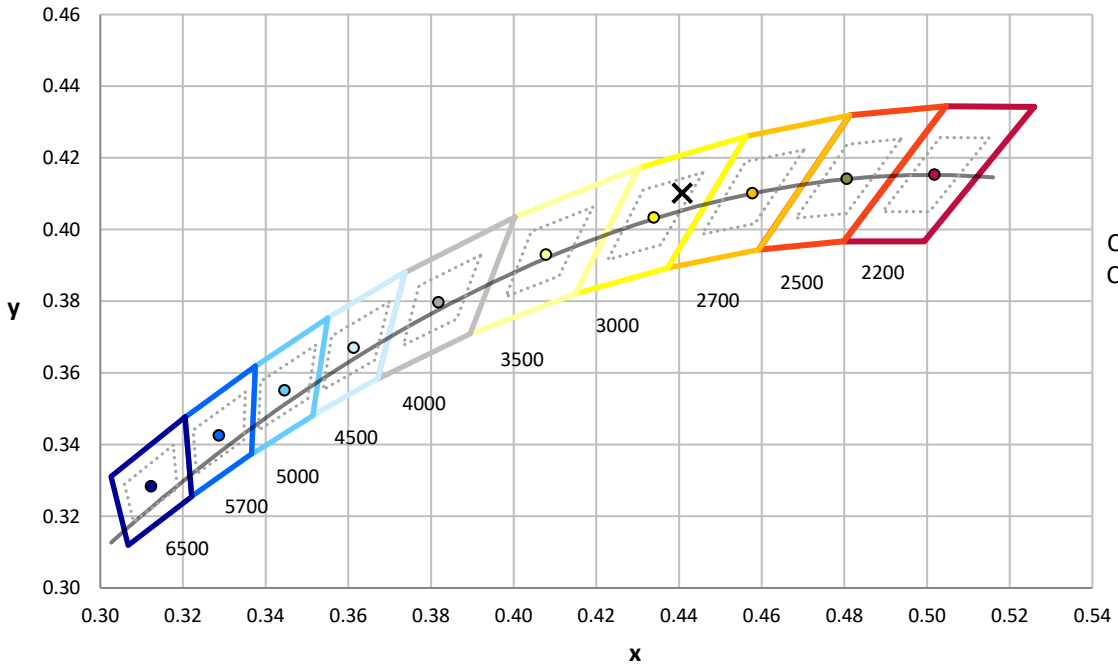
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

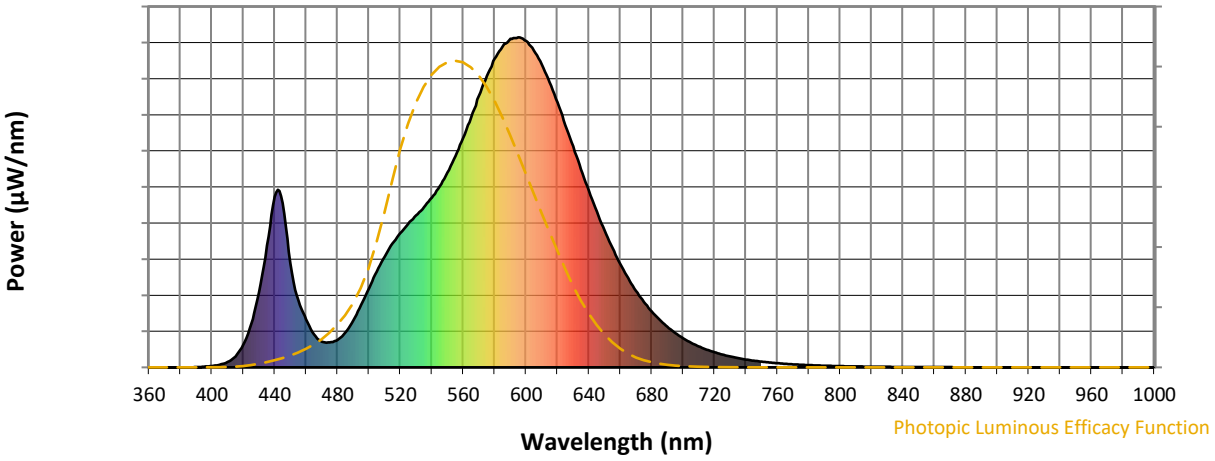


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

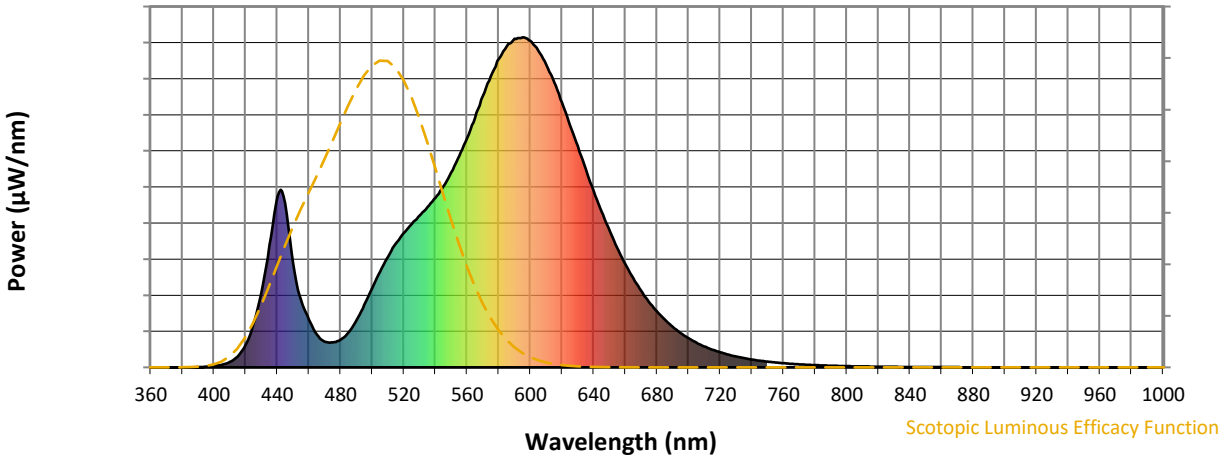


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

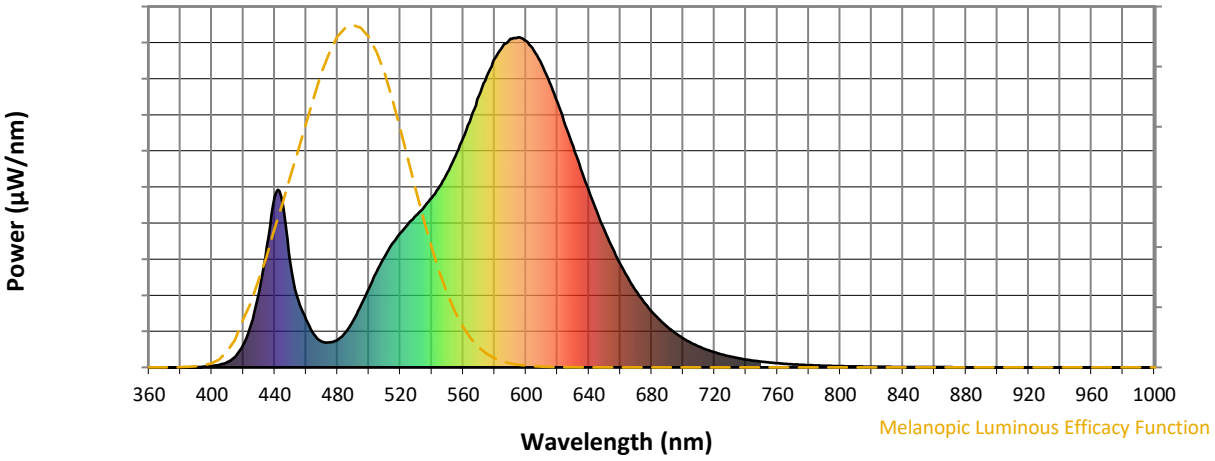


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

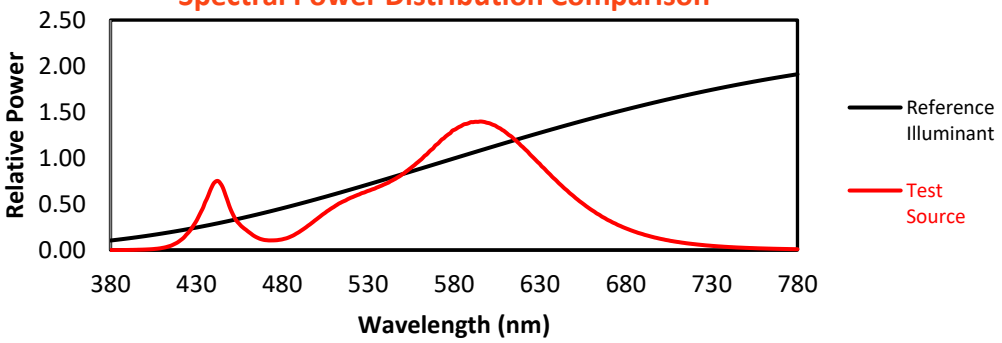
REPORT NUMBER: SP1-2407-184-4

TM-30-18

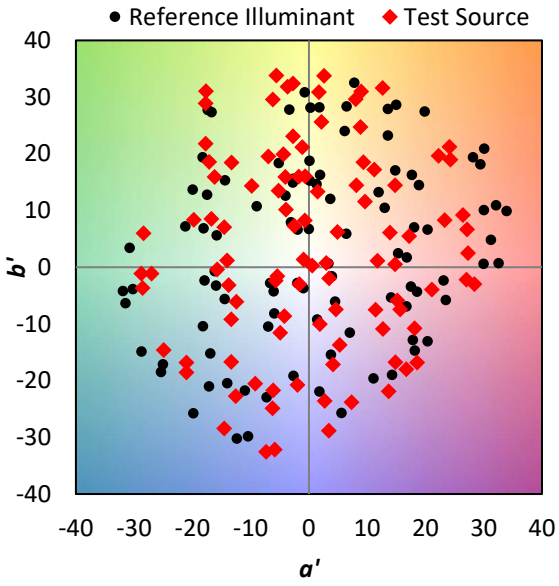
Summary

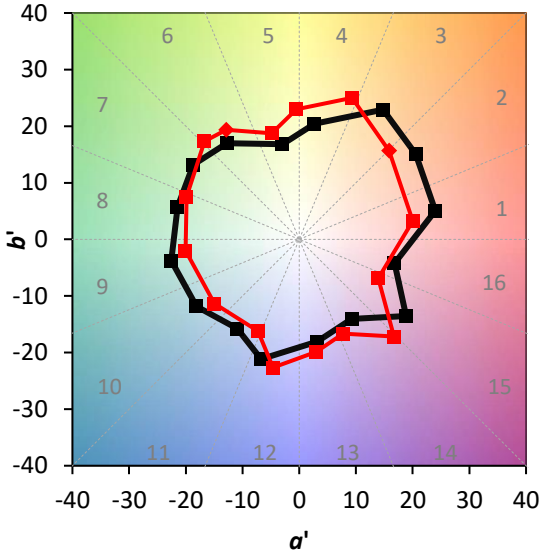
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

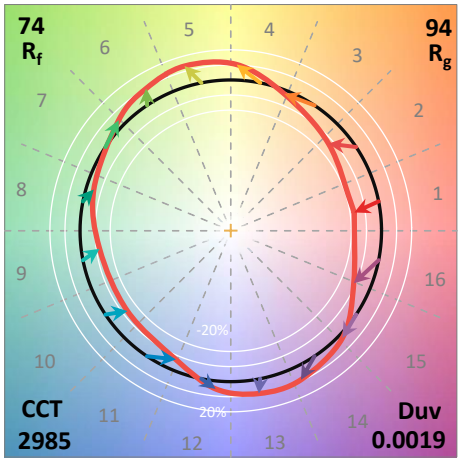
Spectral Power Distribution Comparison

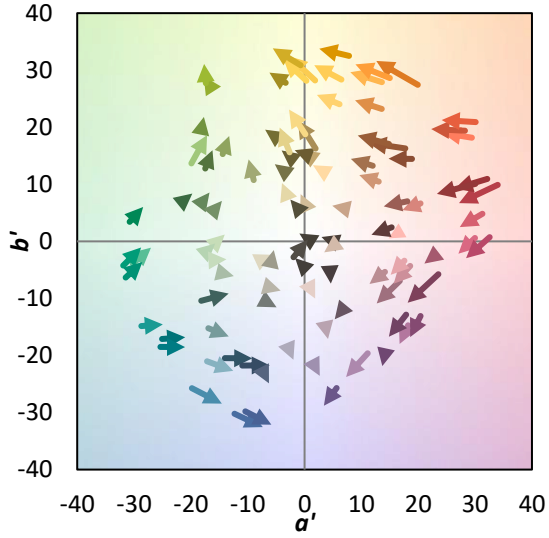


Color Vector Graphics







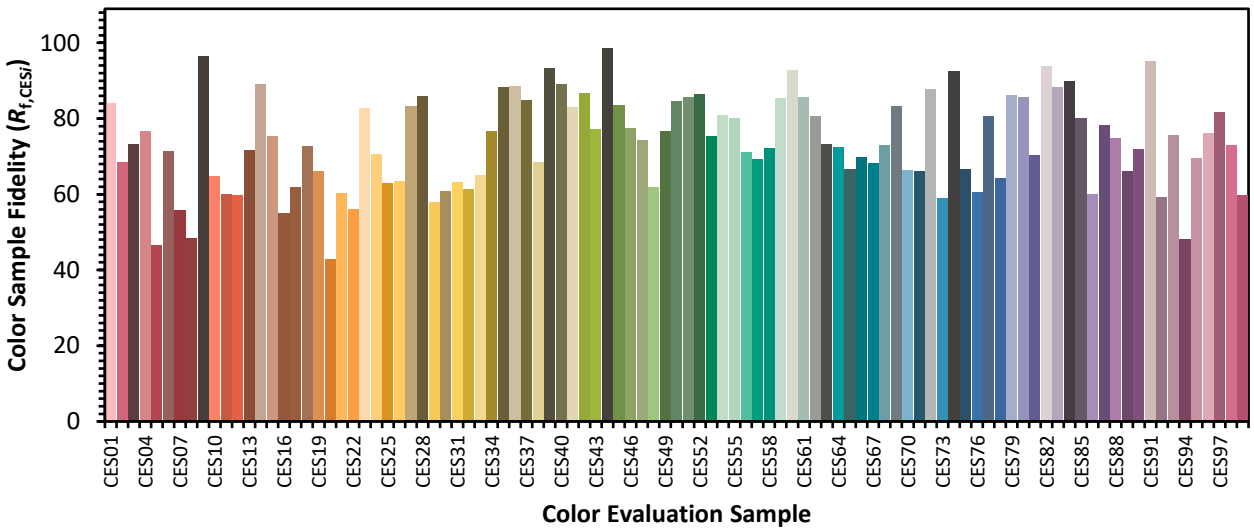


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

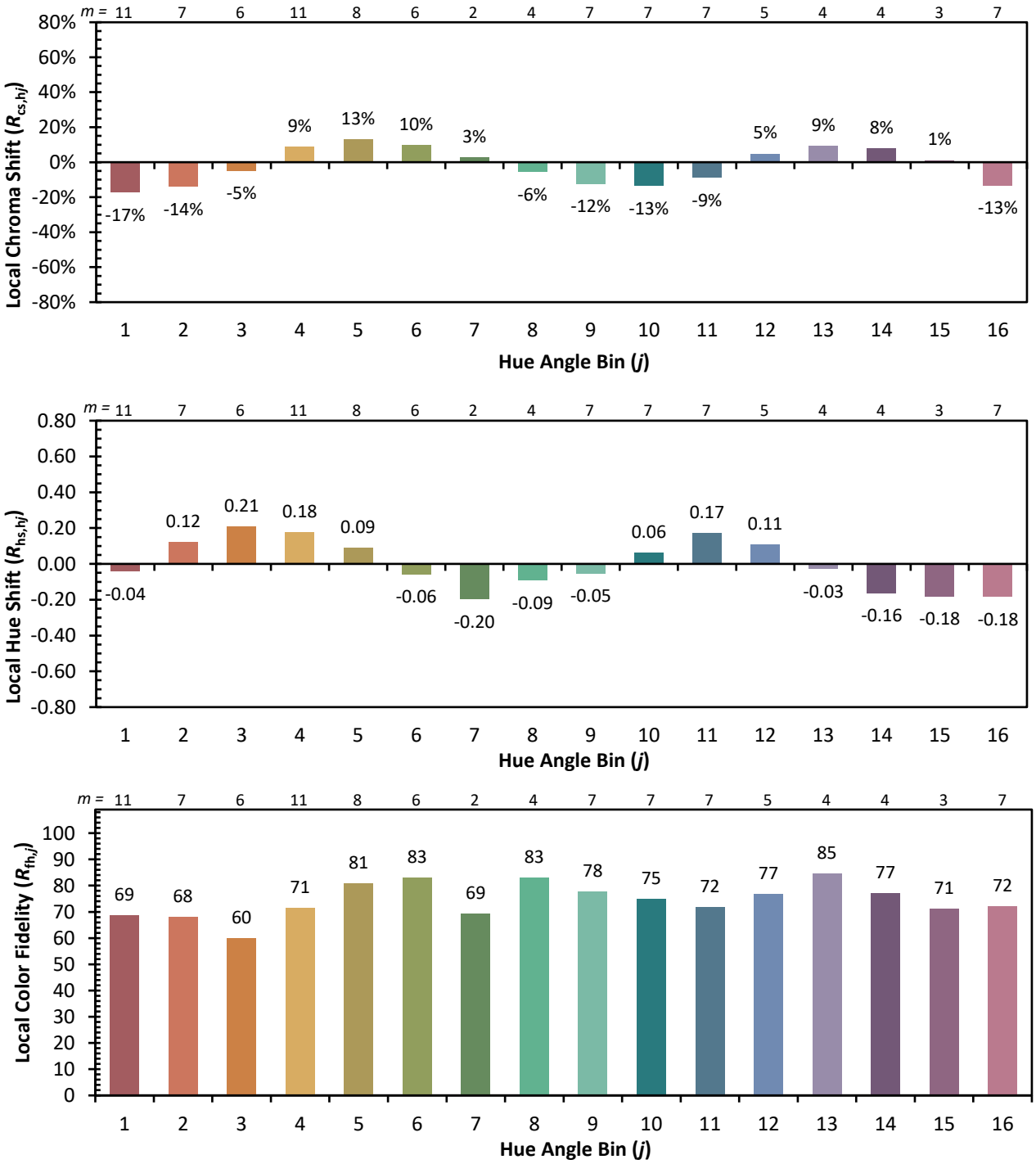
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



REPORT NUMBER: SP1-2407-184-4

TM-30-18

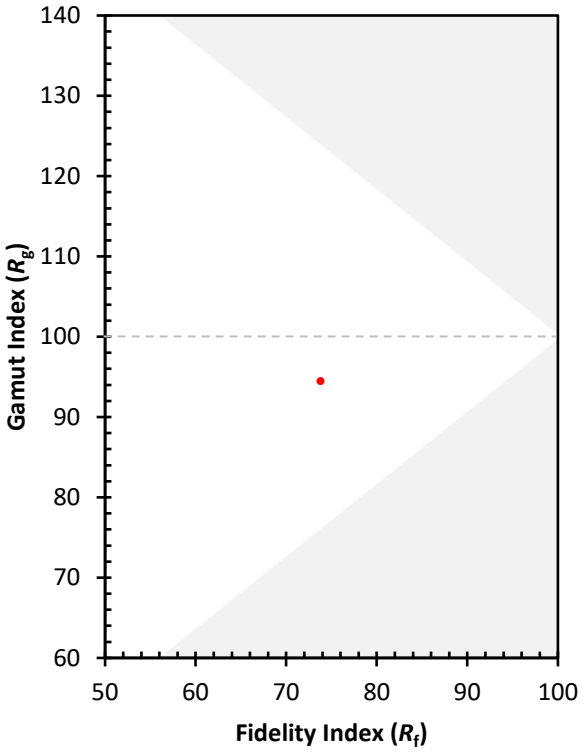
Color Rendition by Hue-Angle Bin

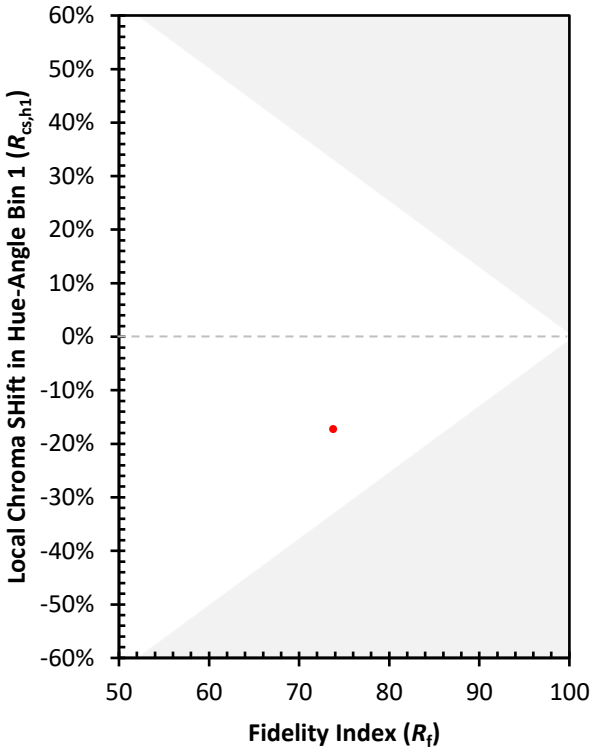


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)