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: P1364926

Luminaire Tested: **GSS-SB4D-722-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:	P1364926
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4D-722-U-SLL
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 238W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC
Light Source:	(104) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	25110.3 lumens
Efficiency:	N/A
Efficacy:	105.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

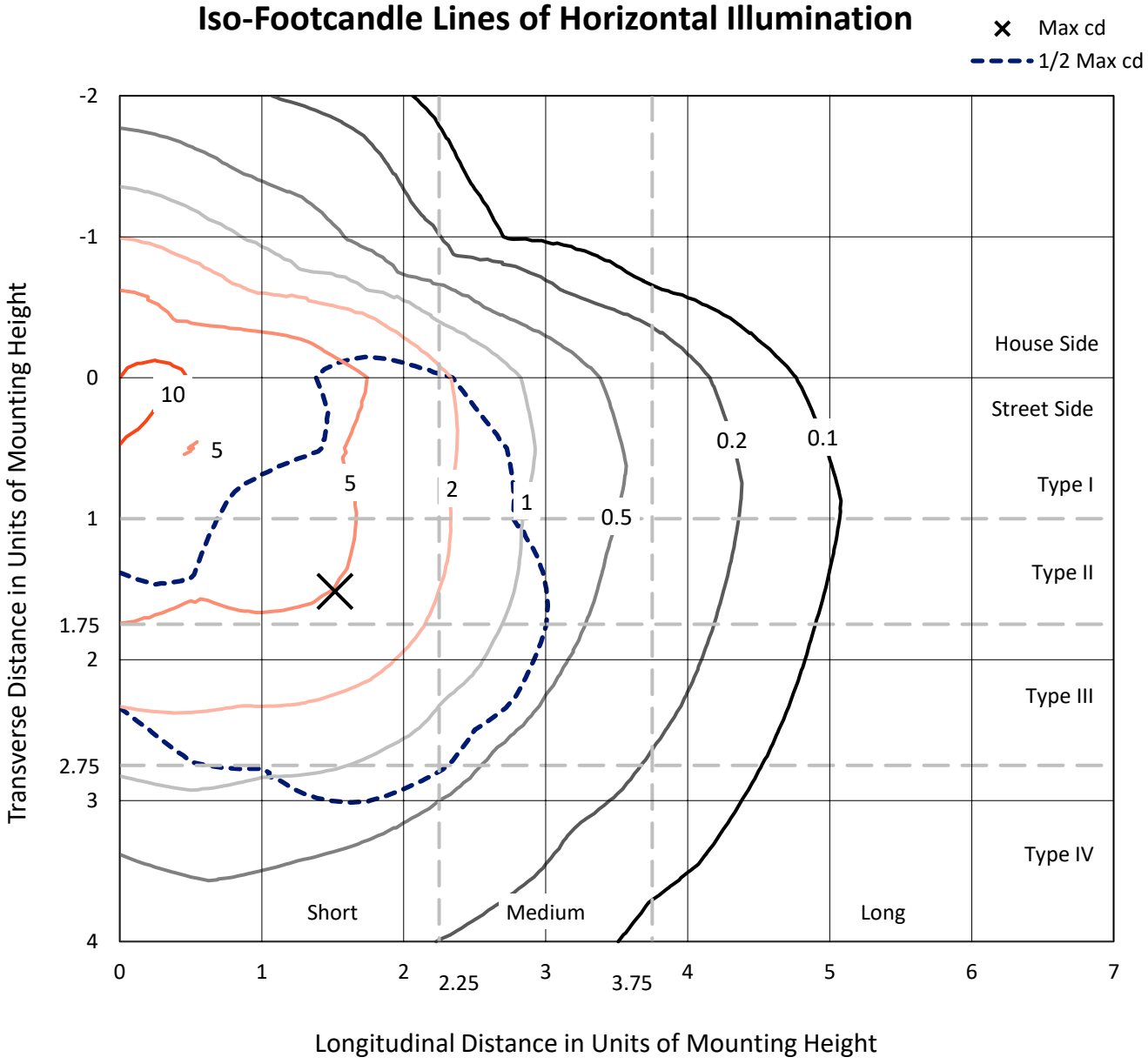
Input Watts (W):	238
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1364926
CATALOG NUMBER: GSS-SB4D-722-U-SLL

Iso-Footcandle Lines of Horizontal Illumination



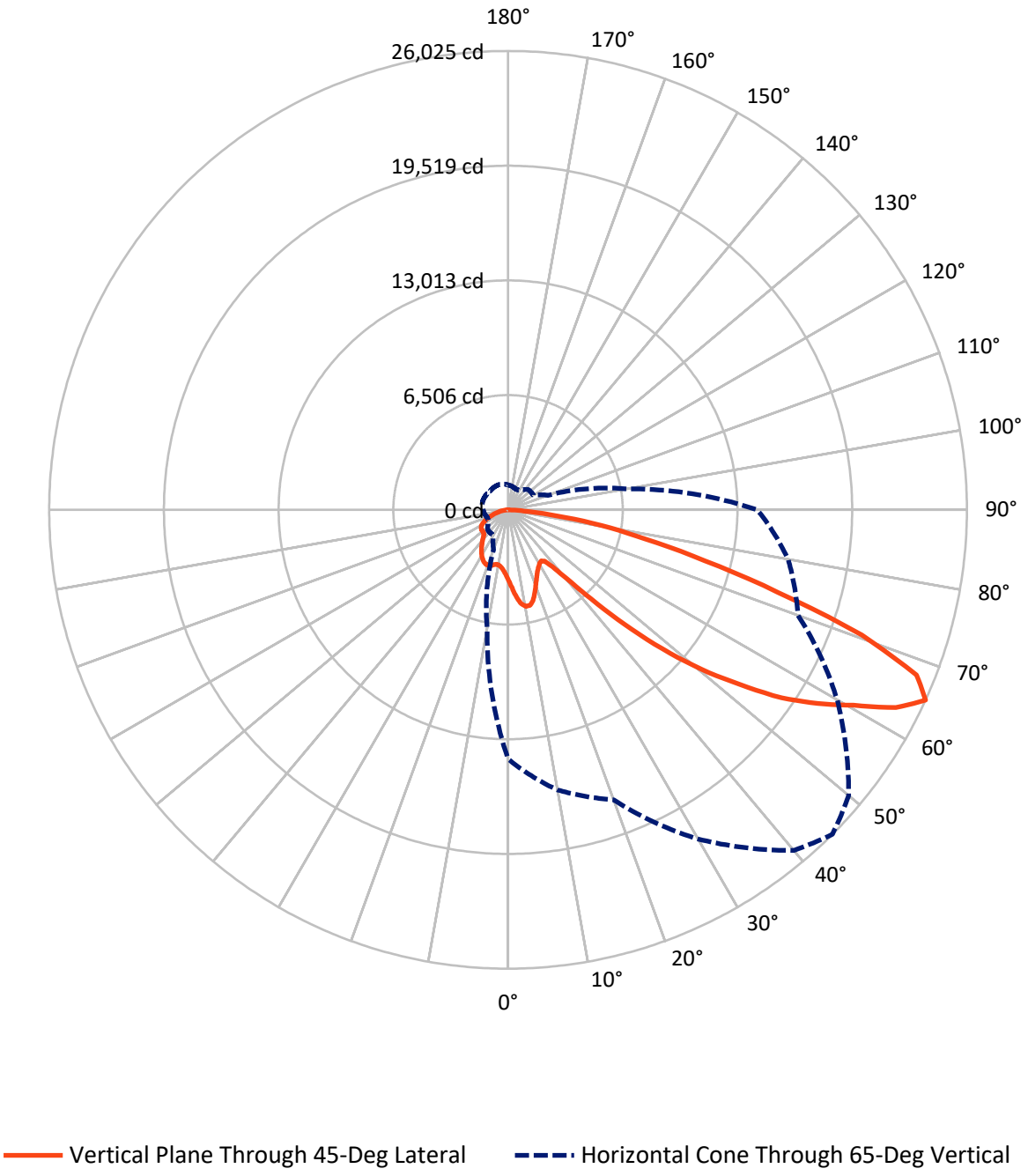
Based on 20 foot mounting height. Maximum calculated value = 13.3 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364926
CATALOG NUMBER: GSS-SB4D-722-U-SLL

Luminous Intensity Polar Plot



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

Scaled Data Report

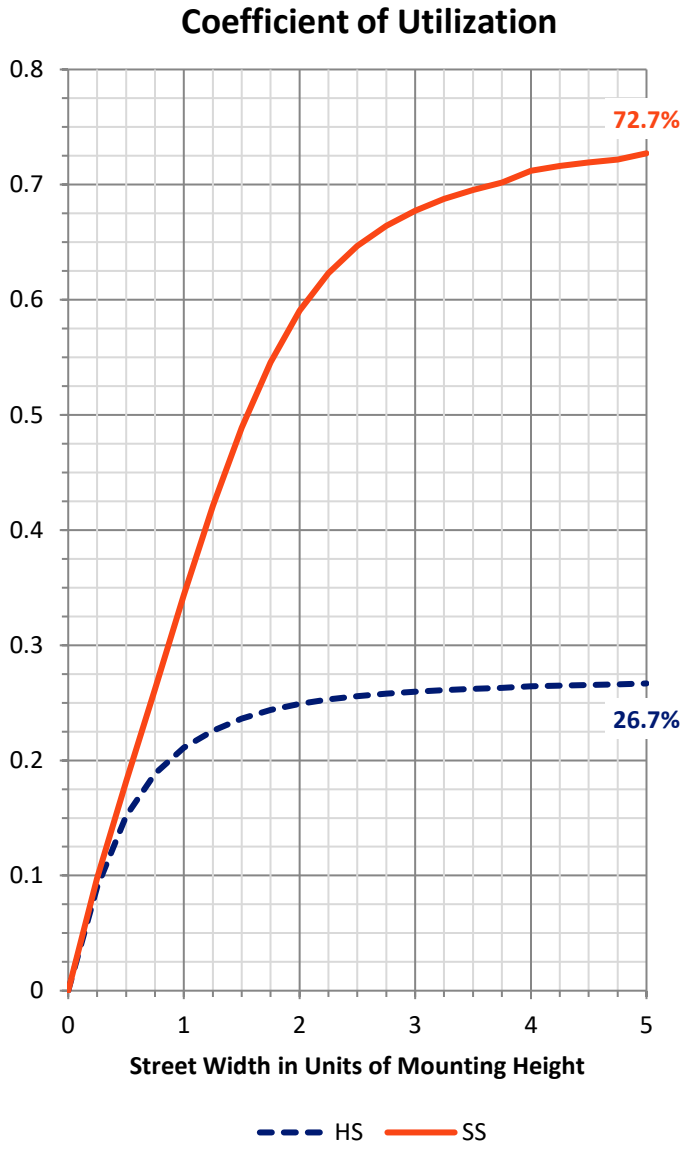
REPORT NUMBER: P1364926
CATALOG NUMBER: GSS-SB4D-722-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6755.2	0.0	6755.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	18355.1	0.0	18355.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	25110.3	0.0	25110.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.4	1.6
10°-20°	1211.5	4.8
20°-30°	1875.1	7.5
30°-40°	2326.4	9.3
40°-50°	3401.9	13.5
50°-60°	5328.6	21.2
60°-70°	6322.7	25.2
70°-80°	3687.7	14.7
80°-90°	561.0	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°	25110.3	100.0
0°-180°	25110.3	100.0



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

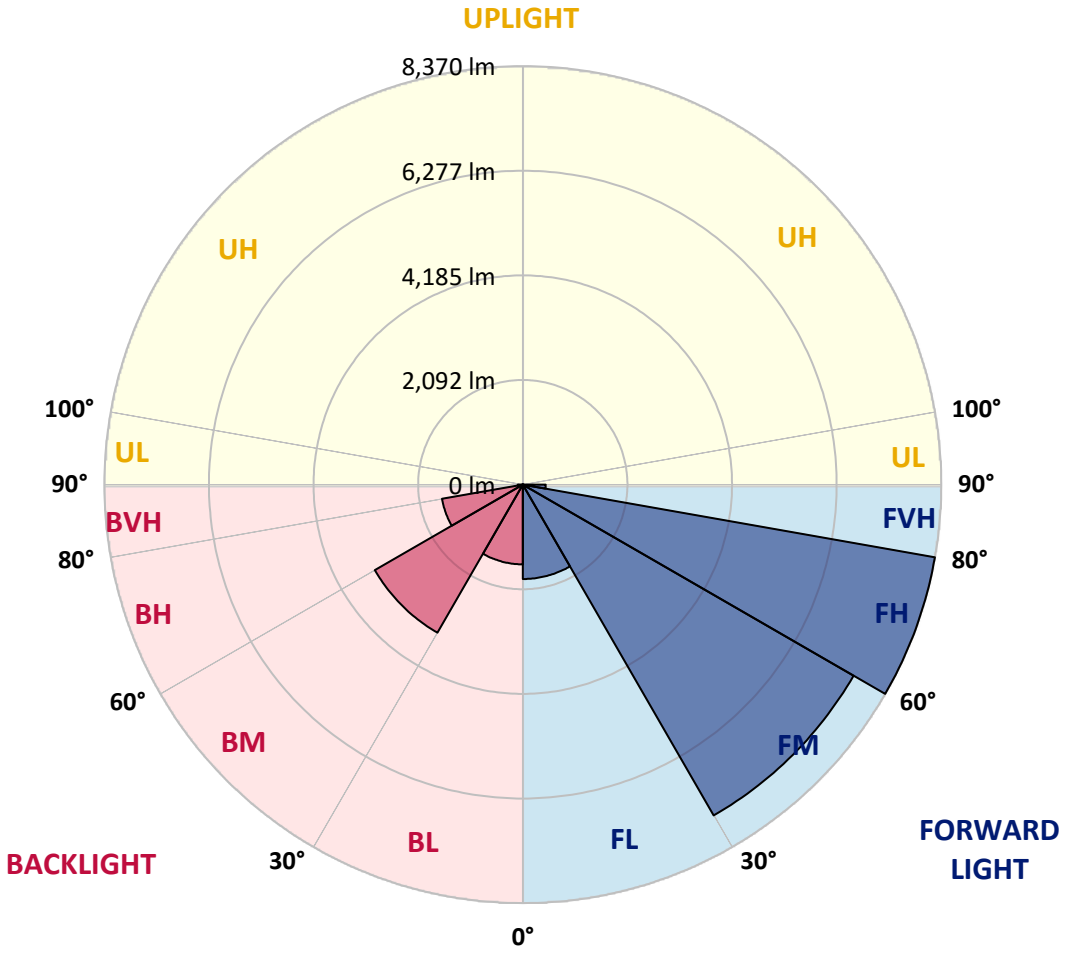
Scaled Data Report

REPORT NUMBER: P1364926
CATALOG NUMBER: GSS-SB4D-722-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1887.3	7.5			
FM	(30°-60°)	7639.1	30.4			
FH	(60°-80°)	8369.9	33.3			G4/12000
FVH	(80°-90°)	458.8	1.8			G3/500
BL	(0°-30°)	1594.7	6.4	B3/2500		
BM	(30°-60°)	3417.8	13.6	B3/5000		
BH	(60°-80°)	1640.6	6.5	B3/2500		G3/2500
BVH	(80°-90°)	102.2	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: P1364926
CATALOG NUMBER: GSS-SB4D-722-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	*4003.9*	4003.9
2.5°	4326.3	4341.6	4357.0	4373.6	4390.8	4400.6	4410.4	4420.8	4430.7	*4439.9*	4430.7
5°	4621.0	4690.4	4759.2	4805.9	4852.6	4888.2	4923.8	4944.1	4964.9	*4968.0*	4964.9
7.5°	4918.9	5001.2	5083.5	5154.7	5225.9	5271.4	5316.8	5343.2	5370.2	*5379.4*	5370.2
10°	5106.2	5202.6	5299.6	5368.4	5437.8	5480.2	5521.9	5542.8	5563.7	*5569.8*	5563.7
12.5°	5201.4	5294.1	5386.8	5440.2	5493.1	5520.1	5546.5	5556.3	5564.9	*5557.5*	5564.9
15°	5247.4	5302.1	5356.1	5378.8	5400.9	5388.0	5374.5	5355.5	5336.5	*5324.2*	5336.5
17.5°	5259.7	5278.7	5298.4	5257.2	5216.7	5143.0	5069.3	5014.1	4958.8	*4918.9*	4958.8
20°	5299.6	5268.9	5238.2	5128.9	5020.2	4882.0	4743.9	4651.1	4557.8	*4501.3*	4557.8
22.5°	5342.6	5256.0	5169.4	4985.8	4802.2	4613.1	4424.5	4317.7	4211.4	*4151.3*	4211.4
25°	5410.2	5261.5	5112.3	4864.2	4616.7	4394.4	4172.8	4056.7	3941.2	*3874.9*	3941.2
27.5°	5508.4	5281.2	5054.0	4746.9	4439.9	4199.2	3957.8	3847.3	3736.7	*3678.4*	3736.7
30°	5646.6	5345.1	5042.9	4675.7	4307.9	4056.1	3804.3	3696.2	3587.5	*3524.9*	3587.5
32.5°	5815.5	5434.7	5054.0	4642.5	4231.1	3974.4	3718.3	3614.5	3511.4	*3457.3*	3511.4
35°	6101.0	5618.9	5136.9	4680.6	4225.0	3986.7	3749.0	3672.9	3597.4	*3567.9*	3597.4
37.5°	6463.3	5900.2	5336.5	4866.7	4396.9	4234.8	4072.7	4072.7	4072.7	*4096.0*	4072.7
40°	6997.6	6365.1	5732.5	5287.9	4844.0	4834.1	4825.5	4928.7	5032.5	*5078.5*	5032.5
42.5°	7746.8	7078.0	6409.9	6051.3	5692.6	5907.6	6122.5	6420.9	6719.4	*6914.7*	6719.4
45°	8677.1	8026.2	7375.2	7124.7	6874.8	7353.1	7830.9	8358.4	8885.9	*9260.5*	8885.9
47.5°	9567.6	9019.8	8471.4	8328.3	8185.8	8981.1	9776.3	10549.5	11322.6	*11778.3*	11322.6
50°	10599.2	10106.7	9613.6	9586.0	9558.3	10617.7	11677.0	12674.9	13672.8	*14228.5*	13672.8
52.5°	11922.6	11381.6	10840.0	10862.1	10882.9	12141.2	13399.5	14606.2	15812.9	*16439.2*	15812.9
55°	13503.9	12825.3	12146.7	12143.1	12139.4	13584.9	15031.7	16514.2	17997.8	*18834.2*	17997.8
57.5°	15115.9	14480.3	13844.7	13693.6	13542.0	15053.9	16565.1	18202.3	19840.1	*20719.5*	19840.1
60°	16325.6	15975.6	15625.6	15383.6	15142.3	16694.7	18247.7	19939.0	21629.5	*22506.5*	21629.5
62.5°	15825.2	16450.9	17076.7	17058.9	17041.1	18716.9	20392.8	22151.5	23911.5	*24698.8*	23911.5
65°	*14136.4*	*15134.3*	*16132.2*	*16818.8*	*17504.7*	*19530.6*	*21555.9*	*23388.3*	*25220.8*	*26025.2*	*25220.8*
67.5°	12552.0	13431.4	14311.4	14873.3	15435.2	17717.8	20001.0	22080.3	24159.6	*24987.4*	24159.6
70°	11035.2	12009.2	12983.1	13384.7	13786.4	15725.7	17664.4	19309.5	20954.0	*21278.3*	20954.0
72.5°	9472.4	10630.5	11789.3	11959.4	12129.5	13540.7	14951.9	15828.2	16704.5	*15997.1*	16704.5
75°	7756.0	9062.8	10368.9	10482.6	10596.2	11035.8	11476.2	11699.1	11922.6	*11520.4*	11922.6
77.5°	5158.4	6289.5	7421.3	7676.1	7931.0	8223.9	8517.5	8502.1	8486.8	*7921.8*	8486.8
80°	3027.5	3912.4	4797.3	4830.4	4863.6	5083.5	5302.7	5526.8	5751.0	*5391.7*	5751.0
82.5°	1513.7	1999.5	2485.8	2560.8	2635.7	2770.2	2904.7	2967.3	3030.5	*2726.6*	3030.5
85°	343.9	470.4	596.9	719.1	841.3	982.5	1123.8	1107.8	1091.9	*921.1*	1091.9
87.5°	27.6	28.2	29.5	30.1	30.7	31.3	31.9	33.8	35.6	*36.8*	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: P1364926
CATALOG NUMBER: GSS-SB4D-722-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9
2.5°	4420.8	4410.4	4400.6	4390.8	4373.6	4357.0	4341.6	4326.3	4287.0	4248.3	4212.7
5°	4944.1	4923.8	4888.2	4852.6	4805.9	4759.2	4690.4	4621.0	4551.6	4482.9	4410.4
7.5°	5343.2	5316.8	5271.4	5225.9	5154.7	5083.5	5001.2	4918.9	4802.2	4685.5	4575.6
10°	5542.8	5521.9	5480.2	5437.8	5368.4	5299.6	5202.6	5106.2	4966.8	4826.8	4690.4
12.5°	5556.3	5546.5	5520.1	5493.1	5440.2	5386.8	5294.1	5201.4	5062.6	4923.8	4770.9
15°	5355.5	5374.5	5388.0	5400.9	5378.8	5356.1	5302.1	5247.4	5106.8	4966.8	4811.4
17.5°	5014.1	5069.3	5143.0	5216.7	5257.2	5298.4	5278.7	5259.7	5128.3	4997.5	4831.7
20°	4651.1	4743.9	4882.0	5020.2	5128.9	5238.2	5268.9	5299.6	5167.0	5034.3	4856.2
22.5°	4317.7	4424.5	4613.1	4802.2	4985.8	5169.4	5256.0	5342.6	5221.0	5100.0	4904.1
25°	4056.7	4172.8	4394.4	4616.7	4864.2	5112.3	5261.5	5410.2	5305.1	5200.1	4986.4
27.5°	3847.3	3957.8	4199.2	4439.9	4746.9	5054.0	5281.2	5508.4	5428.0	5347.5	5106.8
30°	3696.2	3804.3	4056.1	4307.9	4675.7	5042.9	5345.1	5646.6	5583.3	5520.7	5249.3
32.5°	3614.5	3718.3	3974.4	4231.1	4642.5	5054.0	5434.7	5815.5	5776.1	5736.8	5416.9
35°	3672.9	3749.0	3986.7	4225.0	4680.6	5136.9	5618.9	6101.0	6051.9	6002.7	5595.0
37.5°	4072.7	4072.7	4234.8	4396.9	4866.7	5336.5	5900.2	6463.3	6405.0	6346.6	5812.4
40°	4928.7	4825.5	4834.1	4844.0	5287.9	5732.5	6365.1	6997.6	6882.7	6767.3	6061.1
42.5°	6420.9	6122.5	5907.6	5692.6	6051.3	6409.9	7078.0	7746.8	7503.6	7259.8	6336.2
45°	8358.4	7830.9	7353.1	6874.8	7124.7	7375.2	8026.2	8677.1	8287.2	7897.2	6709.6
47.5°	10549.5	9776.3	8981.1	8185.8	8328.3	8471.4	9019.8	9567.6	9073.8	8580.1	7093.4
50°	12674.9	11677.0	10617.7	9558.3	9586.0	9613.6	10106.7	10599.2	9929.9	9260.5	7428.1
52.5°	14606.2	13399.5	12141.2	10882.9	10862.1	10840.0	11381.6	11922.6	10859.6	9796.0	7586.5
55°	16514.2	15031.7	13584.9	12139.4	12143.1	12146.7	12825.3	13503.9	11793.6	10083.4	7544.7
57.5°	18202.3	16565.1	15053.9	13542.0	13693.6	13844.7	14480.3	15115.9	12577.8	10040.4	7316.9
60°	19939.0	18247.7	16694.7	15142.3	15383.6	15625.6	15975.6	16325.6	12929.1	9531.9	6771.0
62.5°	22151.5	20392.8	18716.9	17041.1	17058.9	17076.7	16450.9	15825.2	12149.8	8474.5	5876.2
65°	*23388.3*	*21555.9*	*19530.6*	*17504.7*	*16818.8*	*16132.2*	*15134.3*	*14136.4*	*10479.5*	*6822.6*	*4609.4*
67.5°	22080.3	20001.0	17717.8	15435.2	14873.3	14311.4	13431.4	12552.0	9000.1	5448.2	3586.9
70°	19309.5	17664.4	15725.7	13786.4	13384.7	12983.1	12009.2	11035.2	7646.1	4256.9	2748.7
72.5°	15828.2	14951.9	13540.7	12129.5	11959.4	11789.3	10630.5	9472.4	6349.1	3225.2	2066.4
75°	11699.1	11476.2	11035.8	10596.2	10482.6	10368.9	9062.8	7756.0	5069.3	2382.7	1531.5
77.5°	8502.1	8517.5	8223.9	7931.0	7676.1	7421.3	6289.5	5158.4	3325.9	1493.5	989.9
80°	5526.8	5302.7	5083.5	4863.6	4830.4	4797.3	3912.4	3027.5	1906.8	786.0	547.2
82.5°	2967.3	2904.7	2770.2	2635.7	2560.8	2485.8	1999.5	1513.7	955.5	397.9	294.2
85°	1107.8	1123.8	982.5	841.3	719.1	596.9	470.4	343.9	227.2	110.5	93.3
87.5°	33.8	31.9	31.3	30.7	30.1	29.5	28.2	27.6	27.0	25.8	25.2
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: P1364926
CATALOG NUMBER: GSS-SB4D-722-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9
2.5°	4177.1	4141.4	4105.2	4070.8	4035.8	4000.8	3970.1	3936.9	3904.4	3878.6	3853.4
5°	4338.6	4267.9	4197.3	4130.4	4064.1	3994.7	3935.1	3876.1	3818.4	3770.5	3722.6
7.5°	4465.7	4367.4	4269.2	4181.4	4092.9	4000.8	3929.0	3857.1	3785.9	3723.9	3661.2
10°	4553.5	4432.5	4310.9	4209.6	4108.3	4010.0	3933.3	3857.7	3782.8	3718.9	3655.1
12.5°	4618.0	4482.3	4346.5	4234.8	4123.6	4016.2	3941.2	3878.6	3816.6	3771.8	3727.5
15°	4656.0	4509.9	4363.1	4237.2	4111.3	3991.6	3925.3	3884.7	3844.2	3840.5	3836.8
17.5°	4665.9	4498.8	4332.4	4185.7	4039.5	3899.5	3843.0	3837.5	3831.9	3892.7	3953.5
20°	4678.2	4482.3	4286.4	4093.5	3900.7	3715.3	3679.6	3714.6	3749.0	3868.2	3986.7
22.5°	4708.9	4469.4	4229.9	3987.9	3746.0	3524.9	3491.1	3542.7	3593.7	3749.0	3904.4
25°	4772.7	4468.1	4163.5	3862.0	3560.5	3306.9	3303.8	3359.7	3415.6	3559.3	3703.0
27.5°	4866.7	4479.8	4092.9	3733.1	3372.6	3113.4	3128.8	3182.2	3236.3	3343.1	3450.0
30°	4977.2	4505.0	4033.4	3620.7	3208.6	2956.9	2973.4	3015.2	3056.9	3134.3	3211.7
32.5°	5097.0	4533.2	3970.1	3522.4	3075.4	2843.2	2843.2	2861.1	2878.9	2929.2	2979.6
35°	5187.8	4526.5	3865.7	3410.7	2955.0	2775.7	2737.6	2722.9	2708.1	2741.3	2774.5
37.5°	5278.1	4507.4	3736.7	3286.6	2837.1	2695.9	2623.4	2584.1	2543.6	2559.5	2574.3
40°	5354.9	4464.4	3574.0	3138.6	2703.2	2591.5	2500.6	2441.6	2382.7	2381.4	2379.6
42.5°	5411.4	4390.1	3368.3	2962.4	2555.9	2477.9	2365.5	2290.6	2215.6	2207.7	2199.7
45°	5521.9	4339.2	3156.4	2783.1	2410.3	2339.7	2227.9	2150.6	2074.4	2062.1	2049.8
47.5°	5606.7	4279.6	2952.6	2605.0	2258.6	2177.0	2072.6	2006.9	1940.5	1933.2	1925.2
50°	5595.6	4178.3	2760.3	2446.5	2132.1	2020.4	1917.2	1863.2	1808.5	1817.7	1826.9
52.5°	5376.4	3970.7	2565.7	2304.1	2043.7	1900.6	1790.1	1749.5	1708.4	1737.3	1765.5
55°	5006.1	3695.6	2383.9	2184.9	1984.7	1842.3	1712.1	1666.6	1621.2	1661.7	1702.3
57.5°	4593.4	3407.6	2221.8	2084.2	1946.7	1826.9	1667.3	1603.4	1540.1	1580.7	1621.2
60°	4010.0	3043.4	2076.9	1980.4	1884.0	1790.1	1630.4	1550.6	1470.8	1497.8	1524.2
62.5°	3278.0	2581.6	1885.3	1831.2	1777.8	1737.9	1585.6	1481.2	1376.8	1380.5	1382.9
65°	*2396.2*	*2029.0*	*1661.1*	*1649.5*	*1638.4*	*1627.3*	*1501.5*	*1389.1*	*1277.3*	*1265.0*	*1252.7*
67.5°	1725.6	1551.2	1376.8	1409.3	1441.9	1458.5	1372.5	1273.6	1174.1	1149.0	1123.8
70°	1240.5	1179.1	1117.6	1166.2	1214.7	1209.8	1168.0	1109.1	1050.1	1034.1	1018.2
72.5°	907.6	906.4	905.8	942.6	979.5	930.3	956.8	943.2	930.3	918.7	907.6
75°	680.4	676.1	672.4	716.0	760.2	779.9	797.1	789.7	783.0	774.4	766.4
77.5°	486.4	490.0	492.5	540.4	588.3	644.8	647.9	631.9	615.3	606.7	596.9
80°	308.3	312.0	314.4	364.8	414.5	494.3	491.3	471.6	451.4	444.6	437.2
82.5°	190.4	191.0	191.6	216.2	240.7	285.6	297.8	297.8	297.8	293.5	288.6
85°	76.8	80.4	84.7	100.7	116.7	141.2	148.6	149.8	150.5	143.7	136.3
87.5°	24.6	25.8	27.6	30.7	33.8	36.8	43.0	46.7	50.4	54.0	56.5
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: P1364926
CATALOG NUMBER: GSS-SB4D-722-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9
2.5°	3831.3	3808.6	3782.2	3755.2	3736.1	3716.5	3703.6	3690.7	3684.6	3678.4	3673.5
5°	3683.3	3642.8	3607.2	3570.9	3542.7	3513.8	3490.5	3466.5	3456.7	3446.3	3439.5
7.5°	3608.4	3555.6	3511.4	3466.5	3424.2	3382.4	3355.4	3328.4	3312.4	3296.4	3284.8
10°	3599.2	3543.3	3485.0	3426.6	3380.0	3333.3	3292.8	3253.5	3230.7	3208.6	3196.3
12.5°	3676.0	3624.4	3555.0	3485.0	3421.7	3359.1	3309.3	3259.6	3231.4	3204.3	3185.9
15°	3819.0	3801.2	3736.7	3672.3	3585.1	3497.3	3426.0	3354.2	3314.9	3274.3	3251.6
17.5°	3988.5	4023.5	3978.7	3933.3	3810.4	3687.6	3581.4	3475.8	3418.0	3360.3	3340.0
20°	4081.3	4175.8	4170.9	4166.6	4006.3	3845.4	3706.0	3566.6	3489.3	3413.1	3382.4
22.5°	4040.7	4177.1	4212.1	4246.4	4089.2	3931.4	3759.5	3587.5	3496.6	3405.1	3376.3
25°	3849.7	3996.5	4061.6	4126.7	3997.1	3867.6	3700.5	3534.1	3438.3	3341.9	3312.4
27.5°	3567.9	3685.8	3758.9	3831.9	3752.7	3673.5	3538.4	3403.3	3318.6	3233.2	3201.9
30°	3291.5	3371.4	3429.7	3488.0	3435.8	3383.6	3286.6	3190.2	3127.0	3064.3	3044.7
32.5°	3039.1	3098.1	3130.6	3162.6	3122.0	3081.5	3017.6	2953.8	2914.5	2875.2	2862.3
35°	2822.4	2870.9	2895.4	2920.0	2886.2	2852.5	2795.3	2738.9	2710.6	2682.4	2671.9
37.5°	2615.4	2655.9	2691.0	2726.6	2702.0	2677.4	2628.9	2580.4	2547.3	2512.9	2494.4
40°	2418.9	2457.6	2501.8	2545.4	2541.1	2536.2	2490.1	2444.1	2396.2	2348.9	2323.7
42.5°	2238.4	2277.1	2323.7	2370.4	2379.6	2388.8	2350.7	2312.1	2256.8	2201.5	2162.8
45°	2083.0	2117.4	2168.4	2219.9	2241.4	2262.9	2228.5	2193.5	2131.5	2069.5	2023.4
47.5°	1960.2	1995.8	2052.3	2109.4	2132.1	2155.5	2132.1	2109.4	2056.0	2001.9	1961.4
50°	1865.6	1903.7	1947.9	1992.7	2035.1	2076.9	2072.6	2068.3	2025.9	1983.5	1945.4
52.5°	1800.5	1836.1	1882.2	1928.2	1972.5	2017.3	2024.0	2031.4	2000.7	1970.0	1936.8
55°	1744.6	1787.0	1830.0	1873.0	1914.7	1955.9	1965.1	1974.3	1952.2	1929.5	1904.9
57.5°	1667.3	1713.3	1756.3	1799.3	1847.8	1896.3	1903.7	1911.1	1887.7	1863.8	1845.3
60°	1571.5	1618.1	1663.0	1707.2	1756.3	1805.4	1815.3	1825.1	1806.7	1788.2	1771.0
62.5°	1436.4	1489.2	1526.0	1562.9	1609.5	1656.8	1670.9	1685.7	1677.1	1669.1	1649.5
65°	*1303.1*	*1354.1*	*1382.9*	*1412.4*	*1452.9*	*1493.5*	*1507.6*	*1521.7*	*1517.4*	*1513.7*	*1499.6*
67.5°	1170.5	1217.1	1241.1	1265.0	1292.7	1320.3	1336.3	1352.2	1344.2	1335.7	1320.9
70°	1056.2	1094.3	1115.2	1136.1	1158.2	1180.3	1188.9	1197.5	1185.2	1172.9	1139.8
72.5°	936.5	965.4	983.2	1001.0	1021.8	1042.7	1047.6	1053.2	1034.1	1014.5	975.8
75°	788.5	810.6	824.1	838.2	859.7	881.2	890.4	899.6	872.6	846.2	805.1
77.5°	617.2	637.4	650.3	663.2	681.0	698.8	701.3	705.0	681.6	658.3	633.7
80°	452.0	466.7	471.6	475.9	490.7	504.8	504.8	504.8	487.6	469.8	457.5
82.5°	285.6	282.5	276.3	270.2	284.9	299.7	304.6	310.1	302.1	294.8	281.3
85°	127.7	117.9	116.1	113.6	113.0	111.8	116.1	119.7	117.9	116.7	111.8
87.5°	60.2	62.6	60.8	58.3	55.9	54.0	49.1	44.2	40.5	36.8	34.4
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: P1364926
CATALOG NUMBER: GSS-SB4D-722-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9
2.5°	3669.2	3666.1	3669.2	3673.5	3678.4	3684.6	3690.7	3703.6	3716.5	3736.1	3755.2
5°	3432.8	3426.6	3432.8	3439.5	3446.3	3456.7	3466.5	3490.5	3513.8	3542.7	3570.9
7.5°	3273.1	3267.0	3273.1	3284.8	3296.4	3312.4	3328.4	3355.4	3382.4	3424.2	3466.5
10°	3184.1	3174.9	3184.1	3196.3	3208.6	3230.7	3253.5	3292.8	3333.3	3380.0	3426.6
12.5°	3167.5	3156.4	3167.5	3185.9	3204.3	3231.4	3259.6	3309.3	3359.1	3421.7	3485.0
15°	3228.9	3211.7	3228.9	3251.6	3274.3	3314.9	3354.2	3426.0	3497.3	3585.1	3672.3
17.5°	3319.2	3310.0	3319.2	3340.0	3360.3	3418.0	3475.8	3581.4	3687.6	3810.4	3933.3
20°	3351.7	3340.7	3351.7	3382.4	3413.1	3489.3	3566.6	3706.0	3845.4	4006.3	4166.6
22.5°	3346.8	3334.5	3346.8	3376.3	3405.1	3496.6	3587.5	3759.5	3931.4	4089.2	4246.4
25°	3282.3	3273.1	3282.3	3312.4	3341.9	3438.3	3534.1	3700.5	3867.6	3997.1	4126.7
27.5°	3169.9	3150.3	3169.9	3201.9	3233.2	3318.6	3403.3	3538.4	3673.5	3752.7	3831.9
30°	3024.4	3015.2	3024.4	3044.7	3064.3	3127.0	3190.2	3286.6	3383.6	3435.8	3488.0
32.5°	2849.4	2843.2	2849.4	2862.3	2875.2	2914.5	2953.8	3017.6	3081.5	3122.0	3162.6
35°	2662.1	2652.9	2662.1	2671.9	2682.4	2710.6	2738.9	2795.3	2852.5	2886.2	2920.0
37.5°	2476.0	2462.5	2476.0	2494.4	2512.9	2547.3	2580.4	2628.9	2677.4	2702.0	2726.6
40°	2297.9	2284.4	2297.9	2323.7	2348.9	2396.2	2444.1	2490.1	2536.2	2541.1	2545.4
42.5°	2124.8	2100.2	2124.8	2162.8	2201.5	2256.8	2312.1	2350.7	2388.8	2379.6	2370.4
45°	1977.4	1946.7	1977.4	2023.4	2069.5	2131.5	2193.5	2228.5	2262.9	2241.4	2219.9
47.5°	1920.9	1891.4	1920.9	1961.4	2001.9	2056.0	2109.4	2132.1	2155.5	2132.1	2109.4
50°	1906.8	1879.1	1906.8	1945.4	1983.5	2025.9	2068.3	2072.6	2076.9	2035.1	1992.7
52.5°	1903.7	1879.1	1903.7	1936.8	1970.0	2000.7	2031.4	2024.0	2017.3	1972.5	1928.2
55°	1880.3	1860.7	1880.3	1904.9	1929.5	1952.2	1974.3	1965.1	1955.9	1914.7	1873.0
57.5°	1826.9	1817.7	1826.9	1845.3	1863.8	1887.7	1911.1	1903.7	1896.3	1847.8	1799.3
60°	1753.2	1737.9	1753.2	1771.0	1788.2	1806.7	1825.1	1815.3	1805.4	1756.3	1707.2
62.5°	1630.4	1608.9	1630.4	1649.5	1669.1	1677.1	1685.7	1670.9	1656.8	1609.5	1562.9
65°	*1486.1*	*1461.5*	*1486.1*	*1499.6*	*1513.7*	*1517.4*	*1521.7*	*1507.6*	*1493.5*	*1452.9*	*1412.4*
67.5°	1306.8	1301.9	1306.8	1320.9	1335.7	1344.2	1352.2	1336.3	1320.3	1292.7	1265.0
70°	1106.6	1068.5	1106.6	1139.8	1172.9	1185.2	1197.5	1188.9	1180.3	1158.2	1136.1
72.5°	936.5	896.6	936.5	975.8	1014.5	1034.1	1053.2	1047.6	1042.7	1021.8	1001.0
75°	764.5	736.9	764.5	805.1	846.2	872.6	899.6	890.4	881.2	859.7	838.2
77.5°	609.2	595.7	609.2	633.7	658.3	681.6	705.0	701.3	698.8	681.0	663.2
80°	445.2	436.0	445.2	457.5	469.8	487.6	504.8	504.8	504.8	490.7	475.9
82.5°	267.1	257.9	267.1	281.3	294.8	302.1	310.1	304.6	299.7	284.9	270.2
85°	107.5	104.4	107.5	111.8	116.7	117.9	119.7	116.1	111.8	113.0	113.6
87.5°	31.9	30.7	31.9	34.4	36.8	40.5	44.2	49.1	54.0	55.9	58.3
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: P1364926
CATALOG NUMBER: GSS-SB4D-722-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9
2.5°	3782.2	3808.6	3831.3	3853.4	3878.6	3904.4	3936.9	3970.1	4000.8	4035.8	4070.8
5°	3607.2	3642.8	3683.3	3722.6	3770.5	3818.4	3876.1	3935.1	3994.7	4064.1	4130.4
7.5°	3511.4	3555.6	3608.4	3661.2	3723.9	3785.9	3857.1	3929.0	4000.8	4092.9	4181.4
10°	3485.0	3543.3	3599.2	3655.1	3718.9	3782.8	3857.7	3933.3	4010.0	4108.3	4209.6
12.5°	3555.0	3624.4	3676.0	3727.5	3771.8	3816.6	3878.6	3941.2	4016.2	4123.6	4234.8
15°	3736.7	3801.2	3819.0	3836.8	3840.5	3844.2	3884.7	3925.3	3991.6	4111.3	4237.2
17.5°	3978.7	4023.5	3988.5	3953.5	3892.7	3831.9	3837.5	3843.0	3899.5	4039.5	4185.7
20°	4170.9	4175.8	4081.3	3986.7	3868.2	3749.0	3714.6	3679.6	3715.3	3900.7	4093.5
22.5°	4212.1	4177.1	4040.7	3904.4	3749.0	3593.7	3542.7	3491.1	3524.9	3746.0	3987.9
25°	4061.6	3996.5	3849.7	3703.0	3559.3	3415.6	3359.7	3303.8	3306.9	3560.5	3862.0
27.5°	3758.9	3685.8	3567.9	3450.0	3343.1	3236.3	3182.2	3128.8	3113.4	3372.6	3733.1
30°	3429.7	3371.4	3291.5	3211.7	3134.3	3056.9	3015.2	2973.4	2956.9	3208.6	3620.7
32.5°	3130.6	3098.1	3039.1	2979.6	2929.2	2878.9	2861.1	2843.2	2843.2	3075.4	3522.4
35°	2895.4	2870.9	2822.4	2774.5	2741.3	2708.1	2722.9	2737.6	2775.7	2955.0	3410.7
37.5°	2691.0	2655.9	2615.4	2574.3	2559.5	2543.6	2584.1	2623.4	2695.9	2837.1	3286.6
40°	2501.8	2457.6	2418.9	2379.6	2381.4	2382.7	2441.6	2500.6	2591.5	2703.2	3138.6
42.5°	2323.7	2277.1	2238.4	2199.7	2207.7	2215.6	2290.6	2365.5	2477.9	2555.9	2962.4
45°	2168.4	2117.4	2083.0	2049.8	2062.1	2074.4	2150.6	2227.9	2339.7	2410.3	2783.1
47.5°	2052.3	1995.8	1960.2	1925.2	1933.2	1940.5	2006.9	2072.6	2177.0	2258.6	2605.0
50°	1947.9	1903.7	1865.6	1826.9	1817.7	1808.5	1863.2	1917.2	2020.4	2132.1	2446.5
52.5°	1882.2	1836.1	1800.5	1765.5	1737.3	1708.4	1749.5	1790.1	1900.6	2043.7	2304.1
55°	1830.0	1787.0	1744.6	1702.3	1661.7	1621.2	1666.6	1712.1	1842.3	1984.7	2184.9
57.5°	1756.3	1713.3	1667.3	1621.2	1580.7	1540.1	1603.4	1667.3	1826.9	1946.7	2084.2
60°	1663.0	1618.1	1571.5	1524.2	1497.8	1470.8	1550.6	1630.4	1790.1	1884.0	1980.4
62.5°	1526.0	1489.2	1436.4	1382.9	1380.5	1376.8	1481.2	1585.6	1737.9	1777.8	1831.2
65°	*1382.9*	*1354.1*	*1303.1*	*1252.7*	*1265.0*	*1277.3*	*1389.1*	*1501.5*	*1627.3*	*1638.4*	*1649.5*
67.5°	1241.1	1217.1	1170.5	1123.8	1149.0	1174.1	1273.6	1372.5	1458.5	1441.9	1409.3
70°	1115.2	1094.3	1056.2	1018.2	1034.1	1050.1	1109.1	1168.0	1209.8	1214.7	1166.2
72.5°	983.2	965.4	936.5	907.6	918.7	930.3	943.2	956.8	930.3	979.5	942.6
75°	824.1	810.6	788.5	766.4	774.4	783.0	789.7	797.1	779.9	760.2	716.0
77.5°	650.3	637.4	617.2	596.9	606.7	615.3	631.9	647.9	644.8	588.3	540.4
80°	471.6	466.7	452.0	437.2	444.6	451.4	471.6	491.3	494.3	414.5	364.8
82.5°	276.3	282.5	285.6	288.6	293.5	297.8	297.8	297.8	285.6	240.7	216.2
85°	116.1	117.9	127.7	136.3	143.7	150.5	149.8	148.6	141.2	116.7	100.7
87.5°	60.8	62.6	60.2	56.5	54.0	50.4	46.7	43.0	36.8	33.8	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1364926
CATALOG NUMBER: GSS-SB4D-722-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9	4003.9
2.5°	4105.2	4141.4	4177.1	4212.7	4248.3	4287.0	4326.3
5°	4197.3	4267.9	4338.6	4410.4	4482.9	4551.6	4621.0
7.5°	4269.2	4367.4	4465.7	4575.6	4685.5	4802.2	4918.9
10°	4310.9	4432.5	4553.5	4690.4	4826.8	4966.8	5106.2
12.5°	4346.5	4482.3	4618.0	4770.9	4923.8	5062.6	5201.4
15°	4363.1	4509.9	4656.0	4811.4	4966.8	5106.8	5247.4
17.5°	4332.4	4498.8	4665.9	4831.7	4997.5	5128.3	5259.7
20°	4286.4	4482.3	4678.2	4856.2	5034.3	5167.0	5299.6
22.5°	4229.9	4469.4	4708.9	4904.1	5100.0	5221.0	5342.6
25°	4163.5	4468.1	4772.7	4986.4	5200.1	5305.1	5410.2
27.5°	4092.9	4479.8	4866.7	5106.8	5347.5	5428.0	5508.4
30°	4033.4	4505.0	4977.2	5249.3	5520.7	5583.3	5646.6
32.5°	3970.1	4533.2	5097.0	5416.9	5736.8	5776.1	5815.5
35°	3865.7	4526.5	5187.8	5595.0	6002.7	6051.9	6101.0
37.5°	3736.7	4507.4	5278.1	5812.4	6346.6	6405.0	6463.3
40°	3574.0	4464.4	5354.9	6061.1	6767.3	6882.7	6997.6
42.5°	3368.3	4390.1	5411.4	6336.2	7259.8	7503.6	7746.8
45°	3156.4	4339.2	5521.9	6709.6	7897.2	8287.2	8677.1
47.5°	2952.6	4279.6	5606.7	7093.4	8580.1	9073.8	9567.6
50°	2760.3	4178.3	5595.6	7428.1	9260.5	9929.9	10599.2
52.5°	2565.7	3970.7	5376.4	7586.5	9796.0	10859.6	11922.6
55°	2383.9	3695.6	5006.1	7544.7	10083.4	11793.6	13503.9
57.5°	2221.8	3407.6	4593.4	7316.9	10040.4	12577.8	15115.9
60°	2076.9	3043.4	4010.0	6771.0	9531.9	12929.1	16325.6
62.5°	1885.3	2581.6	3278.0	5876.2	8474.5	12149.8	15825.2
65°	*1661.1*	*2029.0*	*2396.2*	*4609.4*	*6822.6*	*10479.5*	*14136.4*
67.5°	1376.8	1551.2	1725.6	3586.9	5448.2	9000.1	12552.0
70°	1117.6	1179.1	1240.5	2748.7	4256.9	7646.1	11035.2
72.5°	905.8	906.4	907.6	2066.4	3225.2	6349.1	9472.4
75°	672.4	676.1	680.4	1531.5	2382.7	5069.3	7756.0
77.5°	492.5	490.0	486.4	989.9	1493.5	3325.9	5158.4
80°	314.4	312.0	308.3	547.2	786.0	1906.8	3027.5
82.5°	191.6	191.0	190.4	294.2	397.9	955.5	1513.7
85°	84.7	80.4	76.8	93.3	110.5	227.2	343.9
87.5°	27.6	25.8	24.6	25.2	25.8	27.0	27.6
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

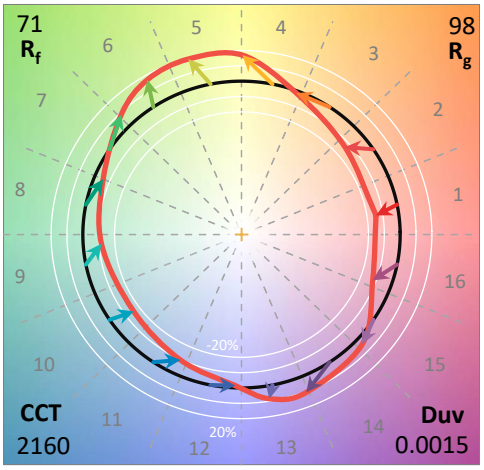
Test Information

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

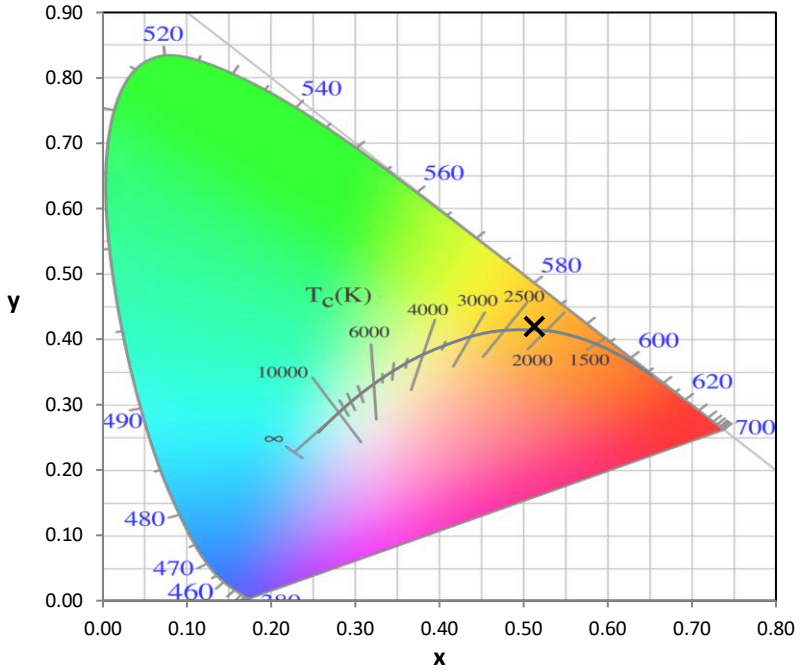
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

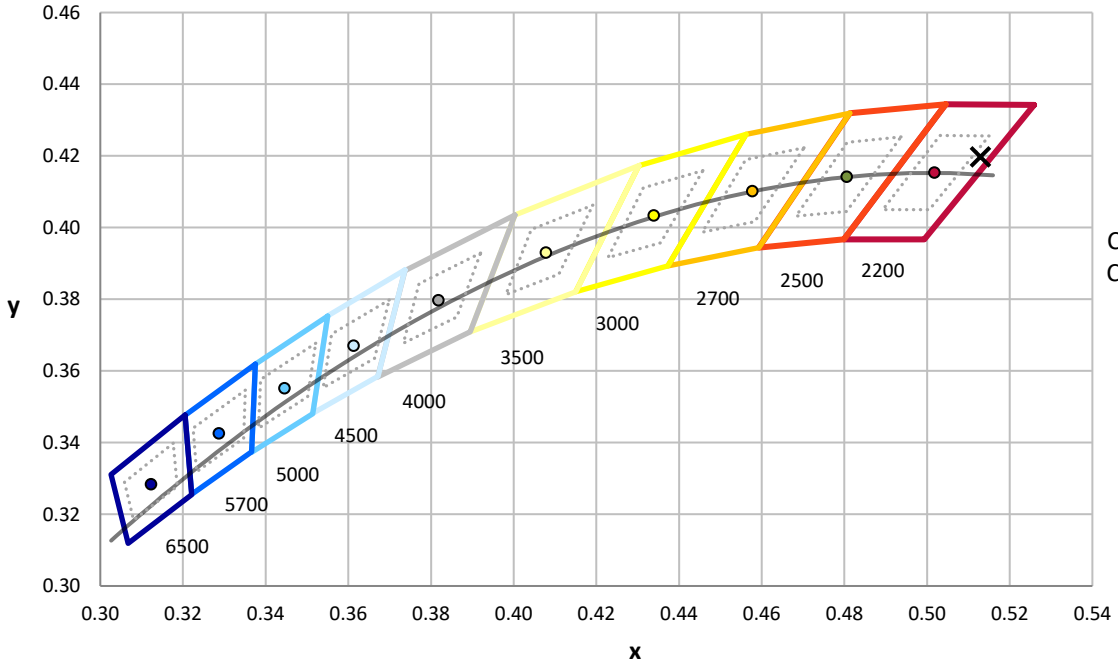
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

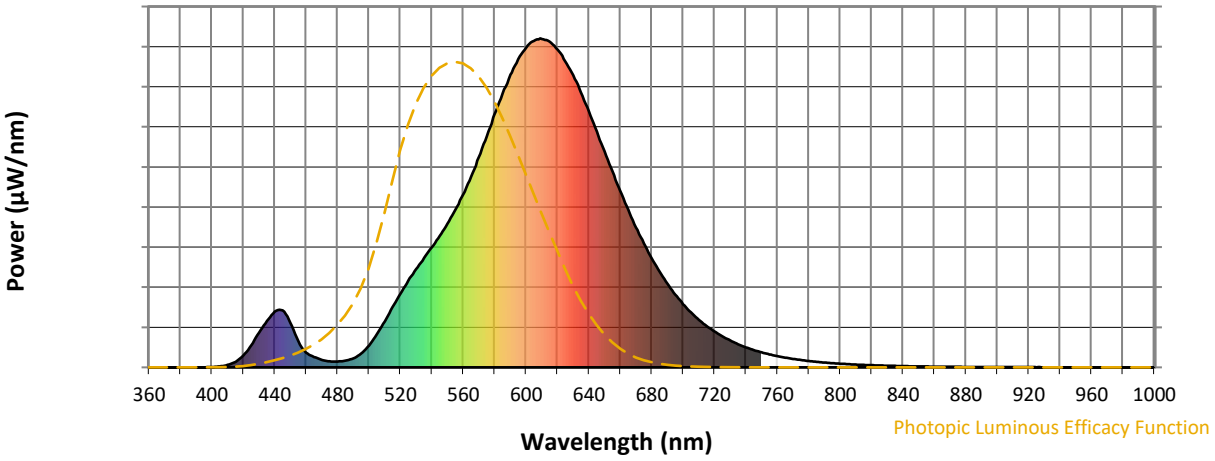


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

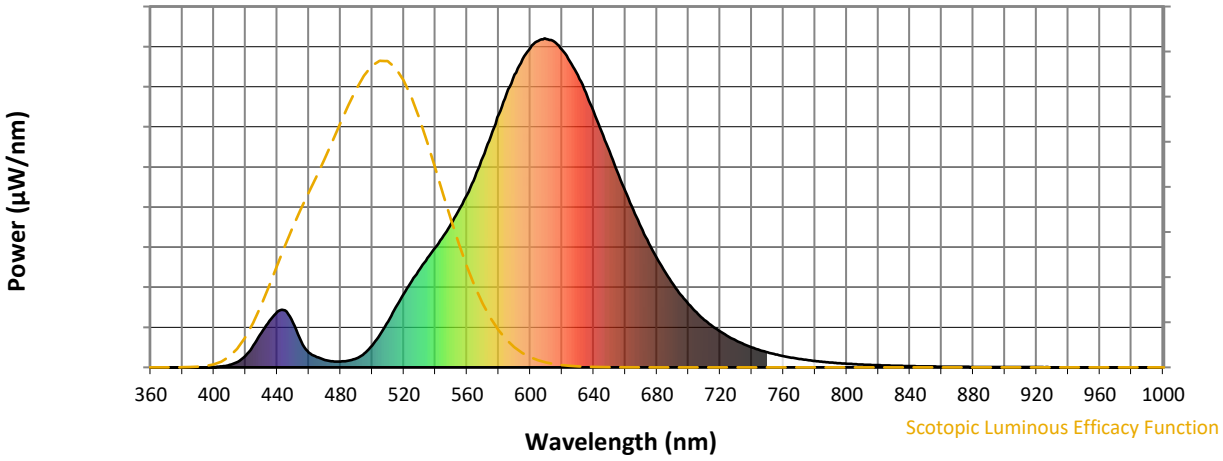


Photopic Lumens: NR

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

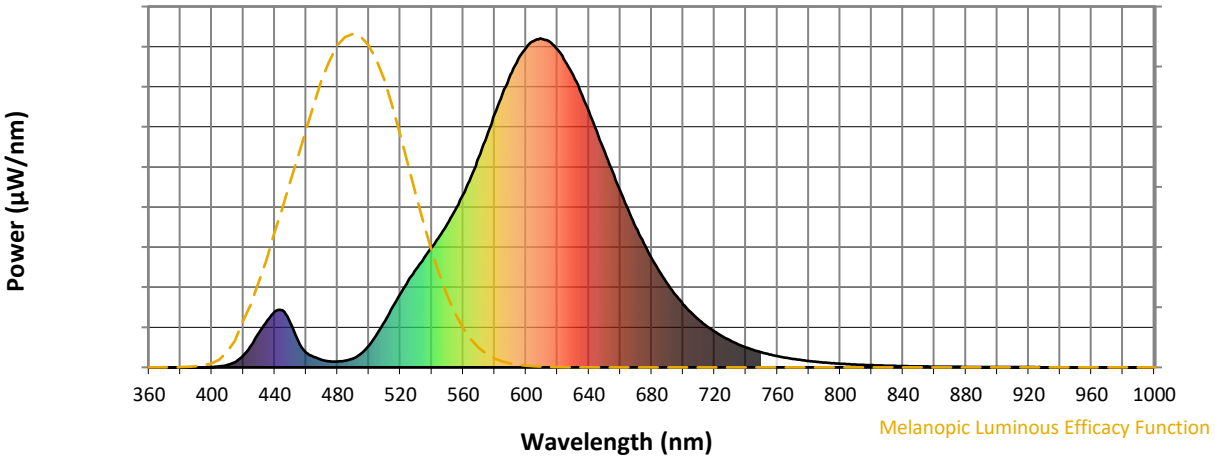


Scotopic Lumens: NR **S/P: 0.8**

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			

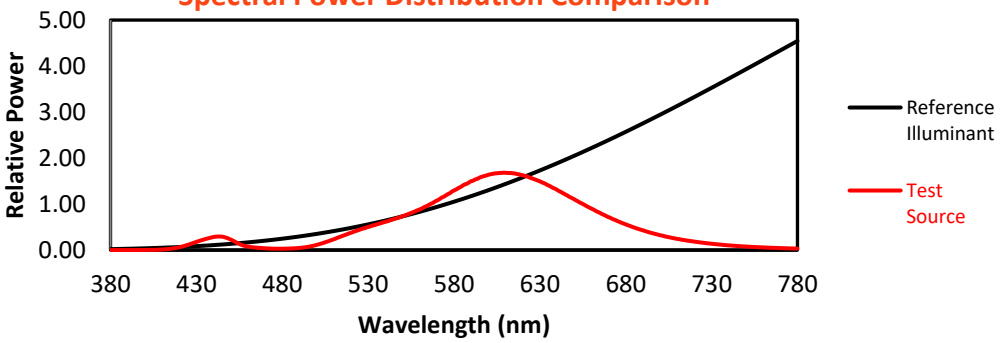
REPORT NUMBER: SP1-2407-184-2

TM-30-18

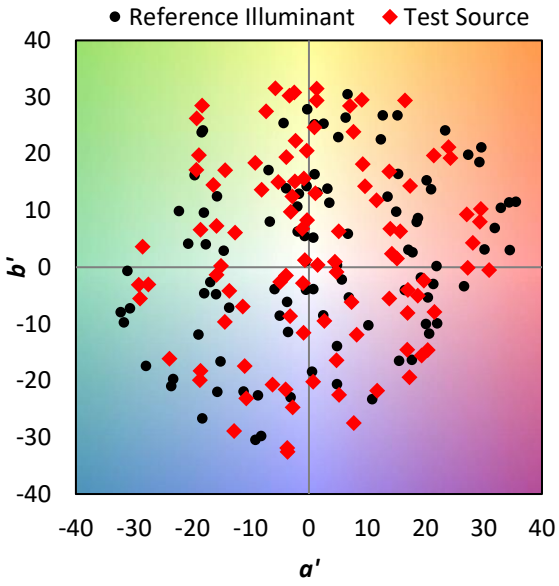
Summary

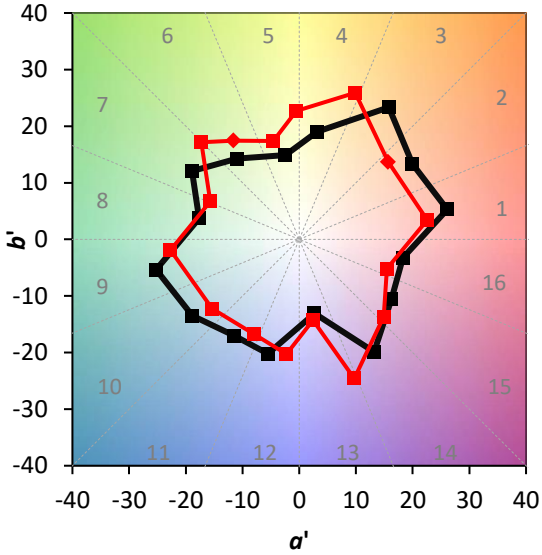
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

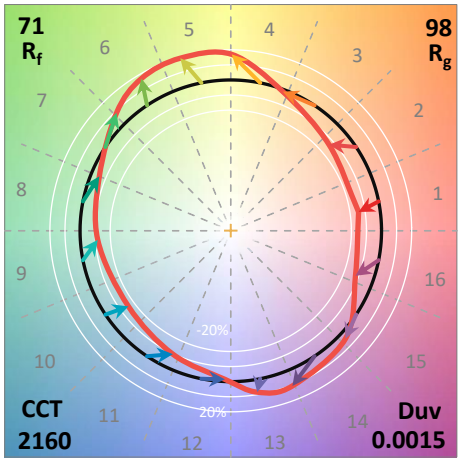
Spectral Power Distribution Comparison

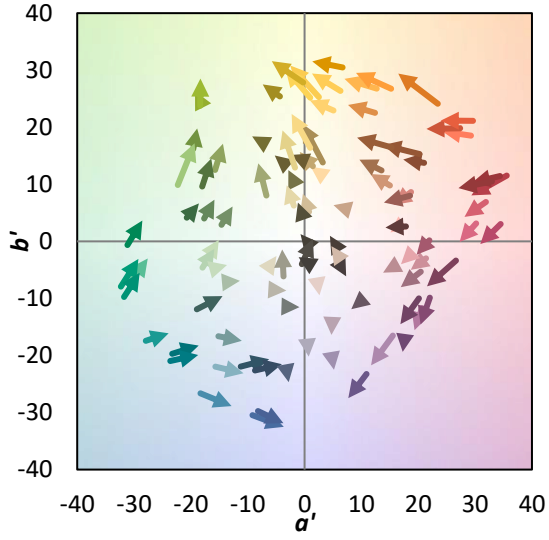


Color Vector Graphics







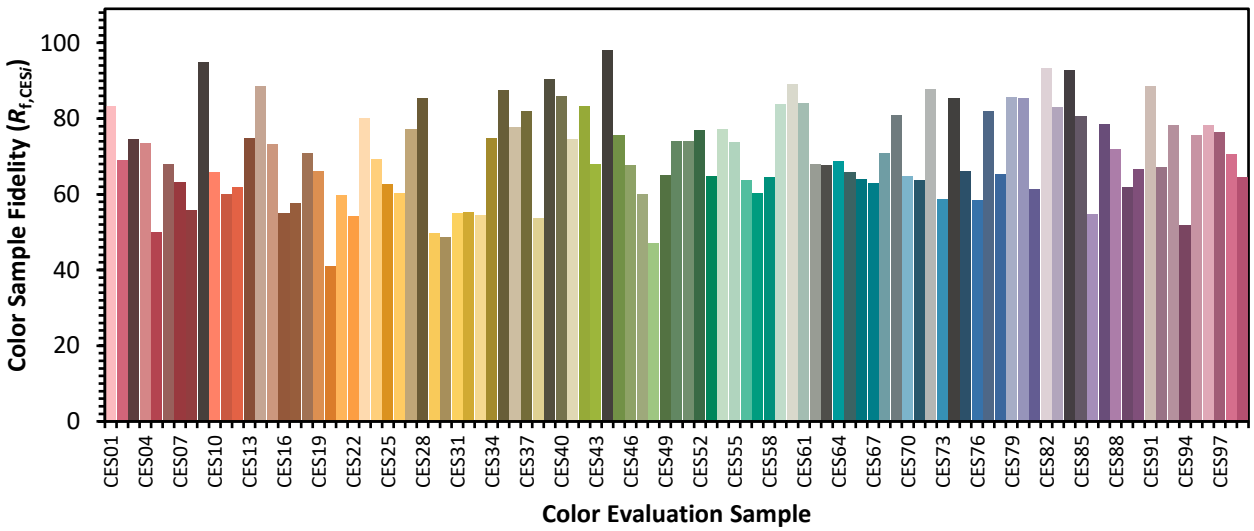


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

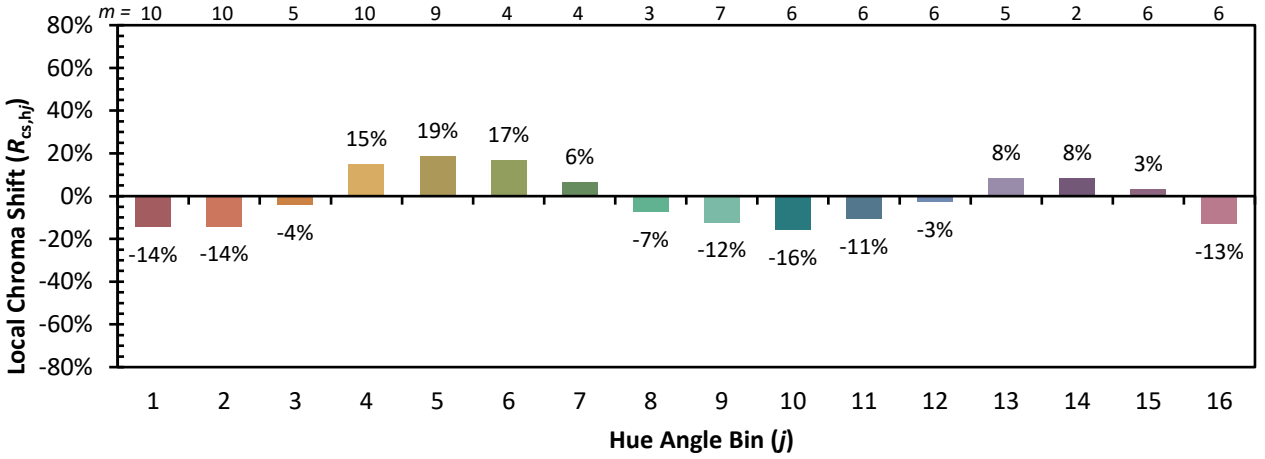
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

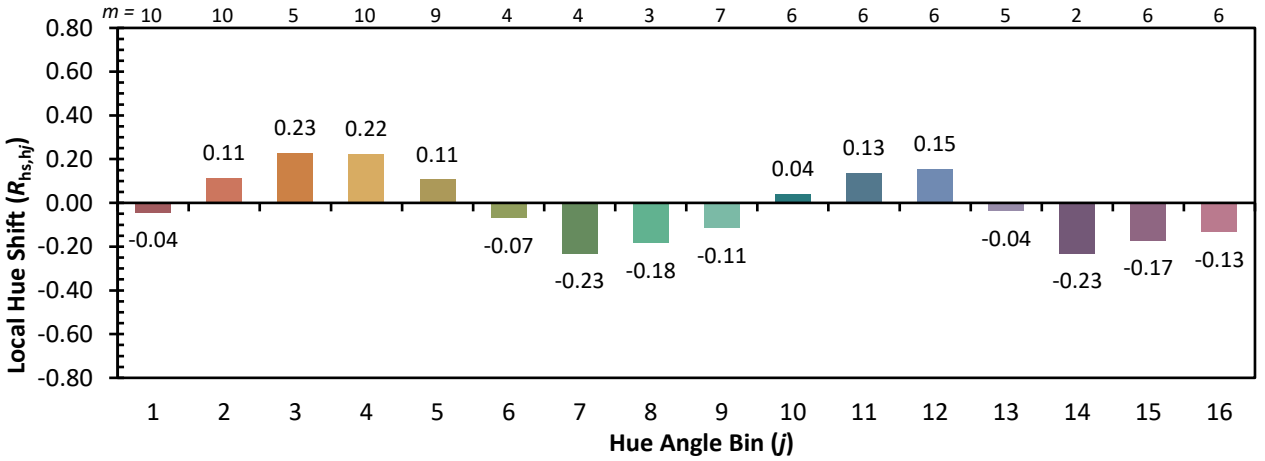


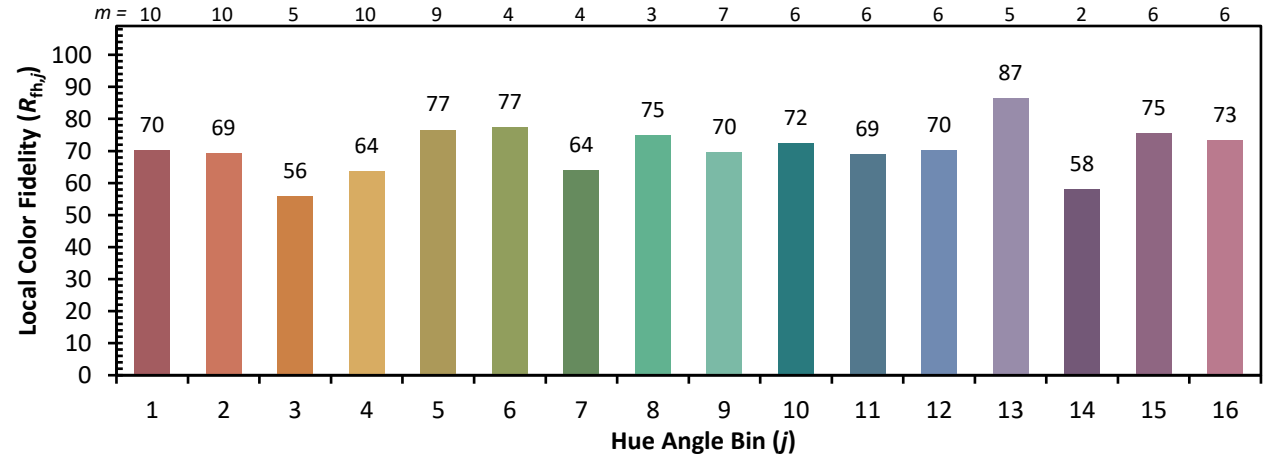
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



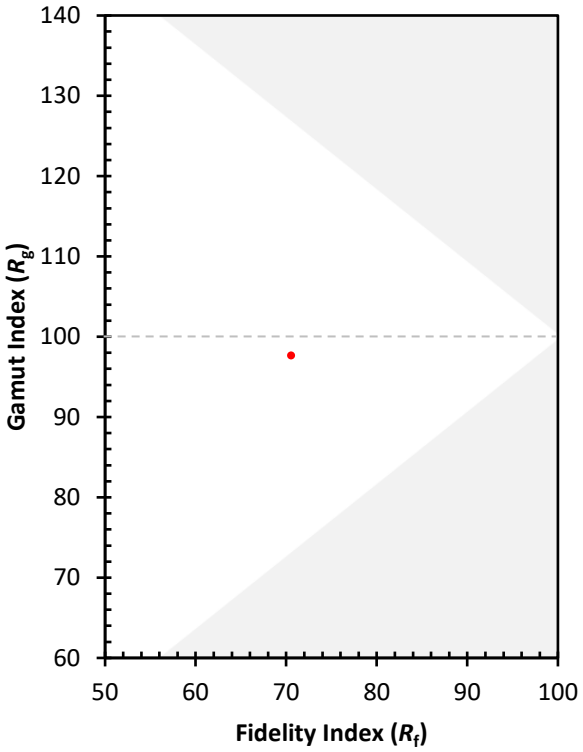


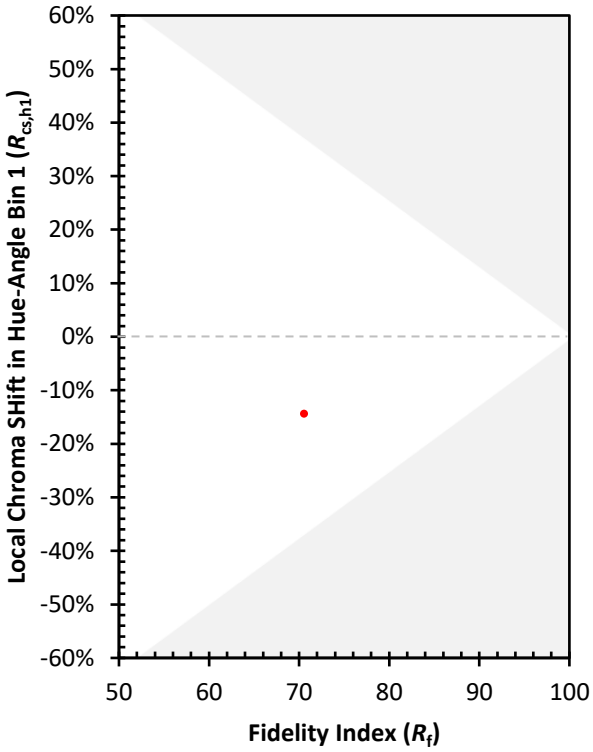


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)