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: P1365005

Luminaire Tested: **GSS-SB6C-735-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:	P1365005
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-735-U-SLL
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC
Light Source:	(156) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	41174.9 lumens
Efficiency:	N/A
Efficacy:	137.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B4 - U0 - G5

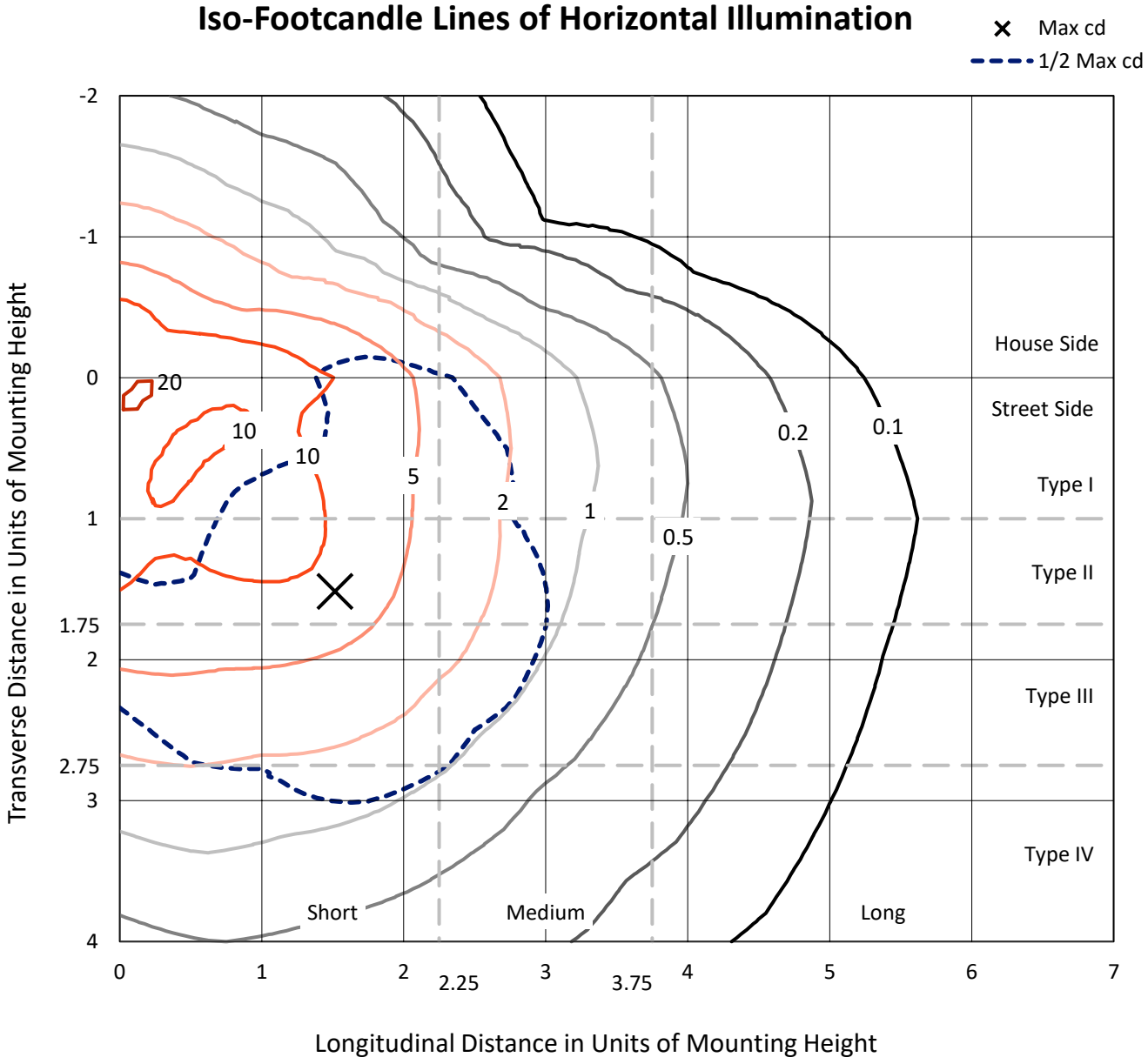
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365005
CATALOG NUMBER: GSS-SB6C-735-U-SLL

Iso-Footcandle Lines of Horizontal Illumination



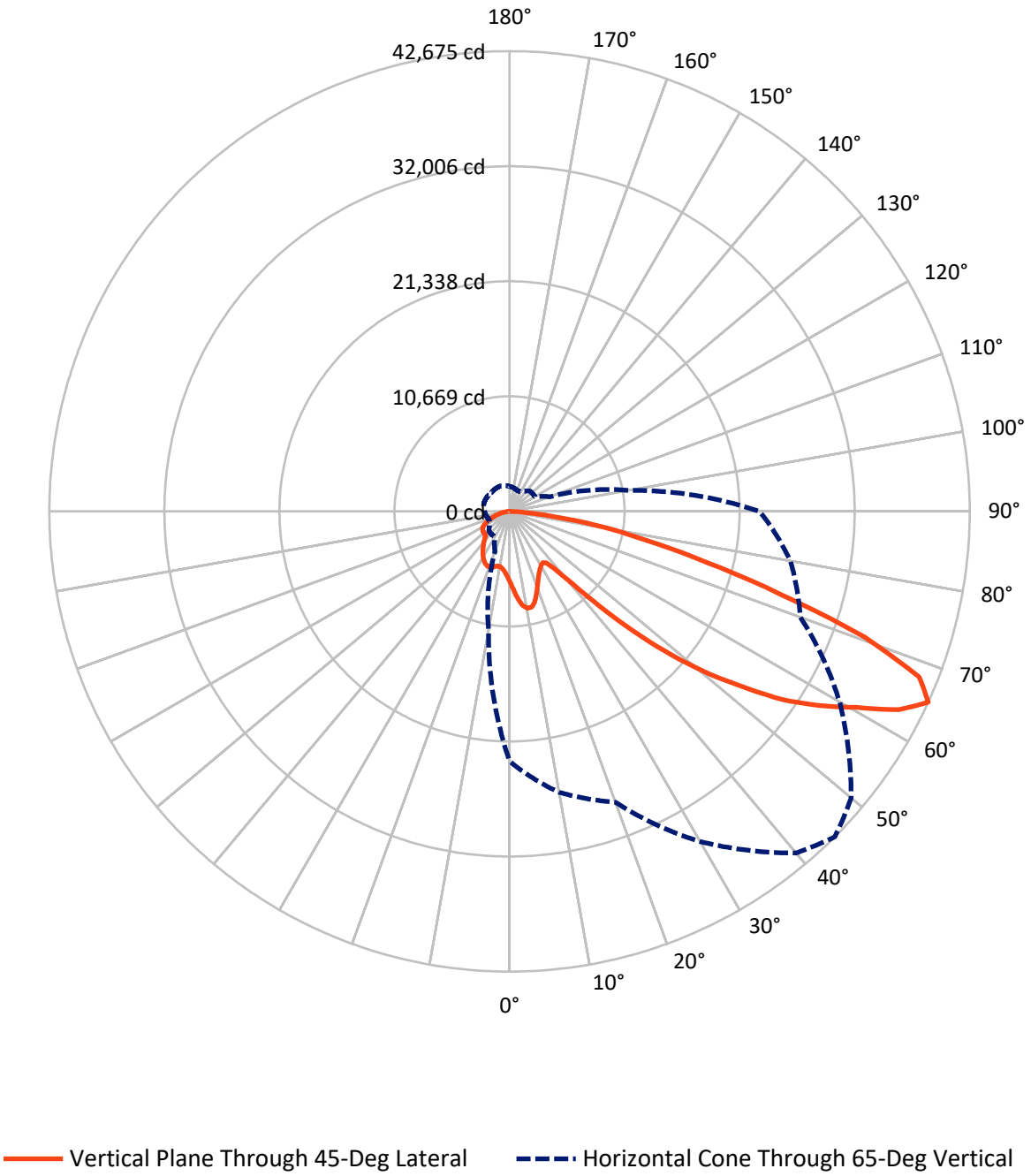
Based on 20 foot mounting height. Maximum calculated value = 21.8 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1365005
CATALOG NUMBER: GSS-SB6C-735-U-SLL

Luminous Intensity Polar Plot



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

Scaled Data Report

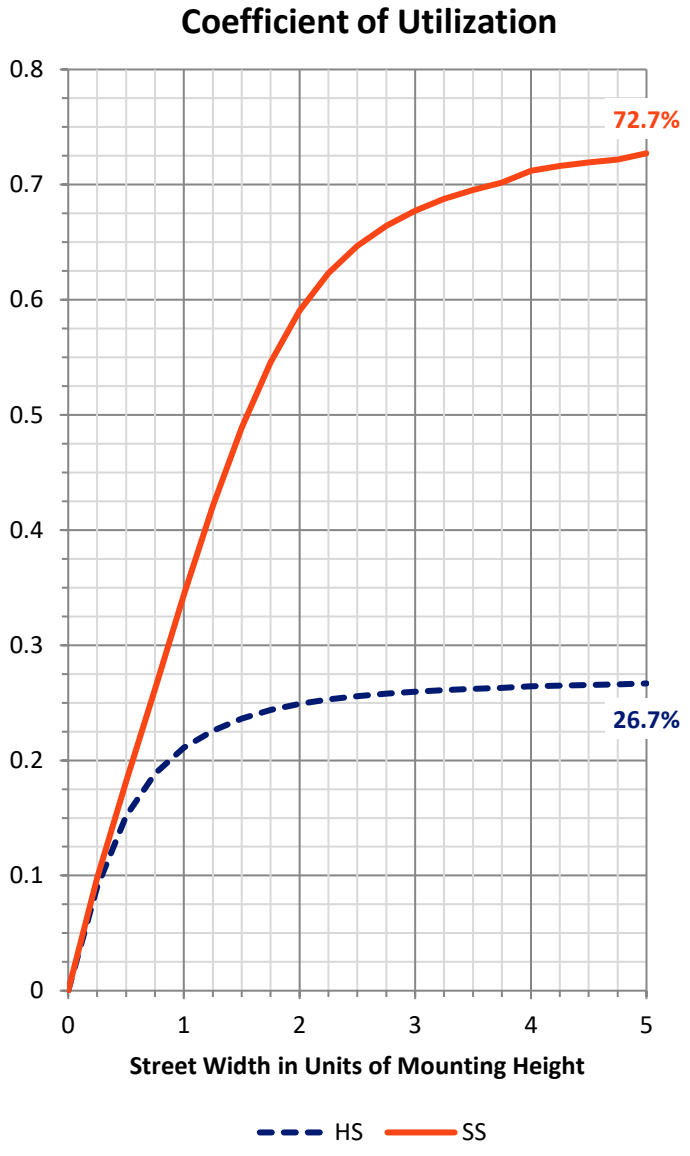
REPORT NUMBER: P1365005
CATALOG NUMBER: GSS-SB6C-735-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11077.0	0.0	11077.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	30098.0	0.0	30098.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	41174.9	0.0	41174.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.3	1.6
10°-20°	1986.6	4.8
20°-30°	3074.7	7.5
30°-40°	3814.7	9.3
40°-50°	5578.3	13.5
50°-60°	8737.7	21.2
60°-70°	10367.8	25.2
70°-80°	6047.0	14.7
80°-90°	919.9	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°	41174.9	100.0
0°-180°	41174.9	100.0



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

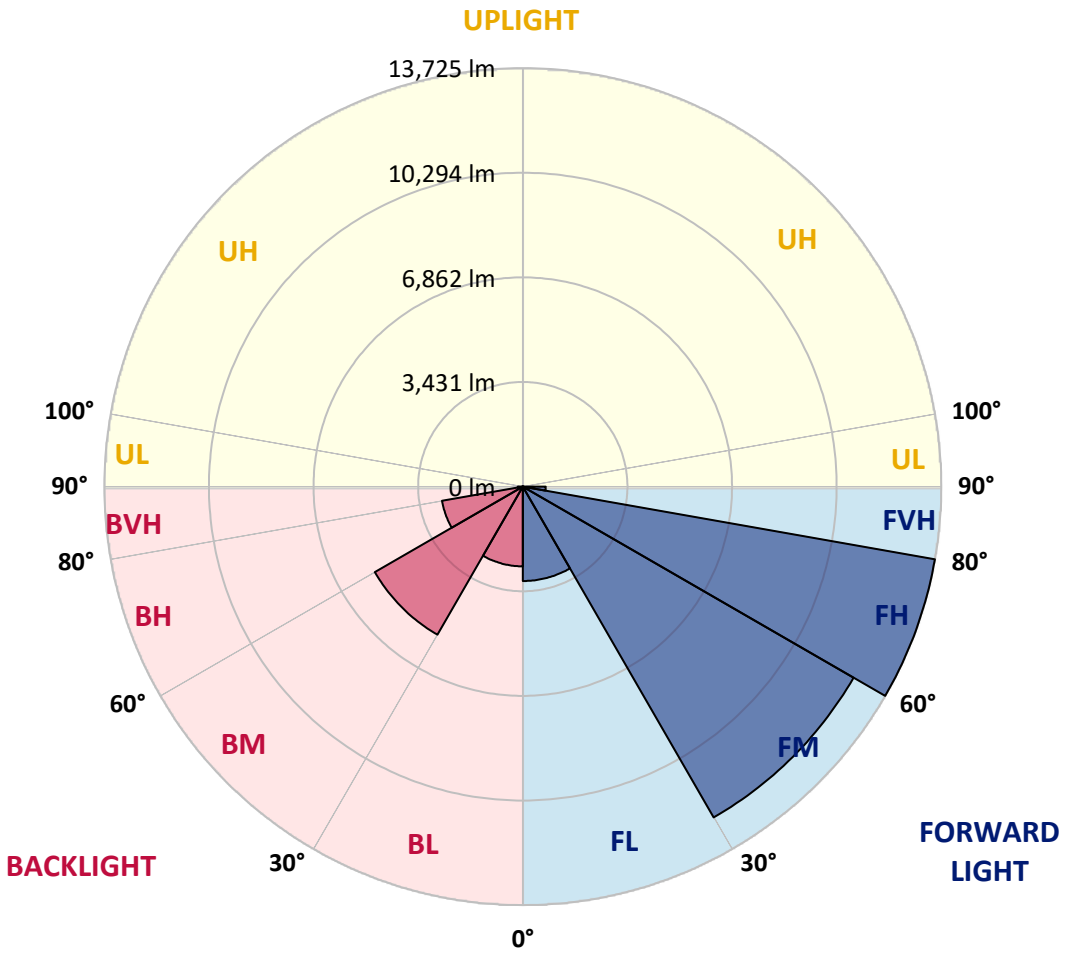
Scaled Data Report

REPORT NUMBER: P1365005
CATALOG NUMBER: GSS-SB6C-735-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3094.7	7.5			
FM	(30°-60°)	12526.3	30.4			
FH	(60°-80°)	13724.7	33.3			G5
FVH	(80°-90°)	752.4	1.8			G5
BL	(0°-30°)	2614.9	6.4	B4/5000		
BM	(30°-60°)	5604.3	13.6	B4/8500		
BH	(60°-80°)	2690.1	6.5	B4/5000		G4/5000
BVH	(80°-90°)	167.6	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type IV Short



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

Scaled Data Report

REPORT NUMBER: P1365005
CATALOG NUMBER: GSS-SB6C-735-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4
2.5°	7094.1	7119.2	7144.4	7171.6	7199.8	7215.9	7232.0	7249.1	7265.3	7280.4	7265.3
5°	7577.4	7691.2	7804.0	7880.5	7957.0	8015.4	8073.9	8107.1	8141.3	8146.4	8141.3
7.5°	8065.8	8200.7	8335.7	8452.5	8569.3	8643.8	8718.3	8761.6	8805.9	8821.0	8805.9
10°	8372.9	8531.0	8690.1	8802.9	8916.7	8986.2	9054.6	9088.9	9123.1	9133.2	9123.1
12.5°	8529.0	8681.1	8833.1	8920.7	9007.3	9051.6	9094.9	9111.0	9125.1	9113.0	9125.1
15°	8604.5	8694.1	8782.8	8820.0	8856.3	8835.1	8813.0	8781.7	8750.5	8730.4	8750.5
17.5°	8624.7	8655.9	8688.1	8620.6	8554.2	8433.3	8312.5	8221.9	8131.2	8065.8	8131.2
20°	8690.1	8639.8	8589.4	8410.2	8231.9	8005.4	7778.8	7626.8	7473.7	7381.1	7473.7
22.5°	8760.6	8618.6	8476.6	8175.6	7874.5	7564.3	7255.2	7080.0	6905.8	6807.1	6905.8
25°	8871.4	8627.7	8383.0	7976.2	7570.4	7205.8	6842.3	6652.0	6462.7	6354.0	6462.7
27.5°	9032.5	8659.9	8287.3	7783.8	7280.4	6885.6	6489.9	6308.6	6127.4	6031.7	6127.4
30°	9259.1	8764.6	8269.2	7667.0	7063.9	6651.0	6238.2	6060.9	5882.7	5780.0	5882.7
32.5°	9536.0	8911.6	8287.3	7612.7	6938.0	6517.1	6097.2	5927.0	5757.8	5669.2	5757.8
35°	10004.2	9213.7	8423.3	7675.1	6927.9	6537.2	6147.5	6022.7	5898.8	5850.5	5898.8
37.5°	10598.3	9674.9	8750.5	7980.2	7209.9	6944.0	6678.2	6678.2	6678.2	6716.5	6678.2
40°	11474.4	10437.2	9400.0	8671.0	7942.9	7926.8	7912.7	8081.9	8252.1	8327.6	8252.1
42.5°	12702.9	11606.3	10510.7	9922.6	9334.6	9687.0	10039.4	10528.8	11018.2	11338.4	11018.2
45°	14228.4	13161.0	12093.7	11682.8	11273.0	12057.4	12840.8	13705.8	14570.8	15185.0	14570.8
47.5°	15688.5	14790.3	13891.1	13656.5	13422.9	14726.9	16030.9	17298.7	18566.4	19313.6	18566.4
50°	17380.2	16572.6	15764.1	15718.7	15673.4	17410.4	19147.5	20783.8	22420.1	23331.4	22420.1
52.5°	19550.2	18663.1	17775.0	17811.2	17845.4	19908.7	21972.0	23950.7	25929.4	26956.5	25929.4
55°	22143.2	21030.5	19917.8	19911.7	19905.7	22276.1	24648.5	27079.3	29512.2	30883.6	29512.2
57.5°	24786.5	23744.3	22702.0	22454.3	22205.6	24684.8	27162.9	29847.5	32533.1	33975.0	32533.1
60°	26770.2	26196.2	25622.2	25225.5	24829.8	27375.4	29922.0	32695.2	35467.4	36905.3	35467.4
62.5°	25949.5	26975.6	28001.7	27972.5	27943.3	30691.3	33439.3	36323.3	39209.2	40500.2	39209.2
65°	23180.4	24816.7	26453.0	27578.8	28703.6	32025.5	35346.5	38351.3	41356.1	42675.2	41356.1
67.5°	20582.4	22024.4	23467.3	24388.7	25310.1	29053.0	32796.9	36206.5	39616.1	40973.4	39616.1
70°	18095.2	19692.2	21289.3	21947.8	22606.4	25786.4	28965.4	31663.0	34359.7	34891.4	34359.7
72.5°	15532.4	17431.6	19331.7	19610.7	19889.6	22203.6	24517.6	25954.5	27391.5	26231.5	27391.5
75°	12718.0	14860.8	17002.6	17188.9	17375.2	18096.2	18818.2	19183.7	19550.2	18890.7	19550.2
77.5°	8458.5	10313.3	12169.2	12587.1	13005.0	13485.3	13966.6	13941.4	13916.3	12989.9	13916.3
80°	4964.3	6415.4	7866.4	7920.8	7975.2	8335.7	8695.2	9062.7	9430.2	8841.2	9430.2
82.5°	2482.2	3278.7	4076.2	4199.0	4321.9	4542.4	4762.9	4865.7	4969.4	4470.9	4969.4
85°	563.9	771.3	978.8	1179.2	1379.5	1611.1	1842.7	1816.6	1790.4	1510.4	1790.4
87.5°	45.3	46.3	48.3	49.3	50.3	51.4	52.4	55.4	58.4	60.4	58.4
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: P1365005
CATALOG NUMBER: GSS-SB6C-735-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4
2.5°	7249.1	7232.0	7215.9	7199.8	7171.6	7144.4	7119.2	7094.1	7029.6	6966.2	6907.8
5°	8107.1	8073.9	8015.4	7957.0	7880.5	7804.0	7691.2	7577.4	7463.6	7350.9	7232.0
7.5°	8761.6	8718.3	8643.8	8569.3	8452.5	8335.7	8200.7	8065.8	7874.5	7683.1	7502.9
10°	9088.9	9054.6	8986.2	8916.7	8802.9	8690.1	8531.0	8372.9	8144.3	7914.8	7691.2
12.5°	9111.0	9094.9	9051.6	9007.3	8920.7	8833.1	8681.1	8529.0	8301.4	8073.9	7823.1
15°	8781.7	8813.0	8835.1	8856.3	8820.0	8782.8	8694.1	8604.5	8373.9	8144.3	7889.6
17.5°	8221.9	8312.5	8433.3	8554.2	8620.6	8688.1	8655.9	8624.7	8409.2	8194.7	7922.8
20°	7626.8	7778.8	8005.4	8231.9	8410.2	8589.4	8639.8	8690.1	8472.6	8255.1	7963.1
22.5°	7080.0	7255.2	7564.3	7874.5	8175.6	8476.6	8618.6	8760.6	8561.2	8362.9	8041.6
25°	6652.0	6842.3	7205.8	7570.4	7976.2	8383.0	8627.7	8871.4	8699.2	8527.0	8176.6
27.5°	6308.6	6489.9	6885.6	7280.4	7783.8	8287.3	8659.9	9032.5	8900.6	8768.7	8373.9
30°	6060.9	6238.2	6651.0	7063.9	7667.0	8269.2	8764.6	9259.1	9155.3	9052.6	8607.5
32.5°	5927.0	6097.2	6517.1	6938.0	7612.7	8287.3	8911.6	9536.0	9471.5	9407.1	8882.4
35°	6022.7	6147.5	6537.2	6927.9	7675.1	8423.3	9213.7	10004.2	9923.6	9843.1	9174.5
37.5°	6678.2	6678.2	6944.0	7209.9	7980.2	8750.5	9674.9	10598.3	10502.7	10407.0	9530.9
40°	8081.9	7912.7	7926.8	7942.9	8671.0	9400.0	10437.2	11474.4	11286.1	11096.8	9938.8
42.5°	10528.8	10039.4	9687.0	9334.6	9922.6	10510.7	11606.3	12702.9	12304.1	11904.4	10389.9
45°	13705.8	12840.8	12057.4	11273.0	11682.8	12093.7	13161.0	14228.4	13589.0	12949.6	11002.1
47.5°	17298.7	16030.9	14726.9	13422.9	13656.5	13891.1	14790.3	15688.5	14878.9	14069.3	11631.5
50°	20783.8	19147.5	17410.4	15673.4	15718.7	15764.1	16572.6	17380.2	16282.6	15185.0	12180.3
52.5°	23950.7	21972.0	19908.7	17845.4	17811.2	17775.0	18663.1	19550.2	17807.2	16063.1	12440.1
55°	27079.3	24648.5	22276.1	19905.7	19911.7	19917.8	21030.5	22143.2	19338.8	16534.4	12371.6
57.5°	29847.5	27162.9	24684.8	22205.6	22454.3	22702.0	23744.3	24786.5	20624.7	16463.9	11998.0
60°	32695.2	29922.0	27375.4	24829.8	25225.5	25622.2	26196.2	26770.2	21200.7	15630.1	11102.8
62.5°	36323.3	33439.3	30691.3	27943.3	27972.5	28001.7	26975.6	25949.5	19922.8	13896.1	9635.7
65°	*38351.3*	*35346.5*	*32025.5*	*28703.6*	*27578.8*	*26453.0*	*24816.7*	*23180.4*	*17183.9*	*11187.4*	*7558.3*
67.5°	36206.5	32796.9	29053.0	25310.1	24388.7	23467.3	22024.4	20582.4	14758.1	8933.8	5881.7
70°	31663.0	28965.4	25786.4	22606.4	21947.8	21289.3	19692.2	18095.2	12537.7	6980.3	4507.2
72.5°	25954.5	24517.6	22203.6	19889.6	19610.7	19331.7	17431.6	15532.4	10411.0	5288.6	3388.4
75°	19183.7	18818.2	18096.2	17375.2	17188.9	17002.6	14860.8	12718.0	8312.5	3907.0	2511.4
77.5°	13941.4	13966.6	13485.3	13005.0	12587.1	12169.2	10313.3	8458.5	5453.7	2448.9	1623.2
80°	9062.7	8695.2	8335.7	7975.2	7920.8	7866.4	6415.4	4964.3	3126.6	1288.9	897.2
82.5°	4865.7	4762.9	4542.4	4321.9	4199.0	4076.2	3278.7	2482.2	1566.8	652.5	482.3
85°	1816.6	1842.7	1611.1	1379.5	1179.2	978.8	771.3	563.9	372.6	181.3	153.1
87.5°	55.4	52.4	51.4	50.3	49.3	48.3	46.3	45.3	44.3	42.3	41.3
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: P1365005
CATALOG NUMBER: GSS-SB6C-735-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4
2.5°	6849.4	6791.0	6731.6	6675.2	6617.8	6560.4	6510.0	6455.7	6402.3	6360.0	6318.7
5°	7114.2	6998.4	6882.6	6772.9	6664.1	6550.3	6452.6	6356.0	6261.3	6182.8	6104.2
7.5°	7322.7	7161.5	7000.4	6856.4	6711.4	6560.4	6442.6	6324.8	6207.9	6106.2	6003.5
10°	7466.7	7268.3	7068.9	6902.8	6736.6	6575.5	6449.6	6325.8	6202.9	6098.2	5993.5
12.5°	7572.4	7349.8	7127.3	6944.0	6761.8	6585.6	6462.7	6360.0	6258.3	6184.8	6112.3
15°	7634.8	7395.2	7154.5	6948.1	6741.6	6545.3	6436.5	6370.1	6303.6	6297.6	6291.5
17.5°	7650.9	7377.0	7104.1	6863.5	6623.8	6394.2	6301.6	6292.5	6283.5	6383.2	6482.8
20°	7671.1	7349.8	7028.6	6712.4	6396.2	6092.1	6033.7	6091.1	6147.5	6342.9	6537.2
22.5°	7721.4	7328.7	6936.0	6539.2	6142.5	5780.0	5724.6	5809.2	5892.8	6147.5	6402.3
25°	7826.1	7326.7	6827.2	6332.8	5838.4	5422.5	5417.5	5509.1	5600.7	5836.4	6072.0
27.5°	7980.2	7345.8	6711.4	6121.3	5530.3	5105.3	5130.5	5218.1	5306.7	5481.9	5657.1
30°	8161.5	7387.1	6613.8	5937.1	5261.4	4848.5	4875.7	4944.2	5012.7	5139.6	5266.4
32.5°	8357.8	7433.4	6510.0	5776.0	5042.9	4662.3	4662.3	4691.5	4720.7	4803.2	4885.8
35°	8506.8	7422.3	6338.9	5592.7	4845.5	4551.5	4489.1	4464.9	4440.7	4495.1	4549.5
37.5°	8654.9	7391.1	6127.4	5389.3	4652.2	4420.6	4301.8	4237.3	4170.9	4197.0	4221.2
40°	8780.7	7320.6	5860.5	5146.6	4432.7	4249.4	4100.4	4003.7	3907.0	3905.0	3902.0
42.5°	8873.4	7198.8	5523.2	4857.6	4191.0	4063.1	3878.8	3756.0	3633.1	3620.0	3607.0
45°	9054.6	7115.2	5175.8	4563.6	3952.3	3836.5	3653.3	3526.4	3401.5	3381.4	3361.3
47.5°	9193.6	7017.5	4841.5	4271.5	3703.6	3569.7	3398.5	3290.8	3182.0	3169.9	3156.8
50°	9175.5	6851.4	4526.3	4011.8	3496.2	3312.9	3143.7	3055.1	2965.5	2980.6	2995.7
52.5°	8816.0	6511.0	4207.1	3778.1	3351.2	3116.6	2935.3	2868.8	2801.4	2848.7	2895.0
55°	8208.8	6059.9	3909.0	3582.8	3254.5	3020.9	2807.4	2732.9	2658.4	2724.8	2791.3
57.5°	7532.1	5587.7	3643.2	3417.6	3192.1	2995.7	2733.9	2629.2	2525.5	2591.9	2658.4
60°	6575.5	4990.5	3405.6	3247.5	3089.4	2935.3	2673.5	2542.6	2411.7	2456.0	2499.3
62.5°	5375.2	4233.3	3091.4	3002.8	2915.2	2849.7	2600.0	2428.8	2257.6	2263.7	2267.7
65°	*3929.2*	*3327.0*	*2723.8*	*2704.7*	*2686.6*	*2668.5*	*2462.0*	*2277.8*	*2094.5*	*2074.3*	*2054.2*
67.5°	2829.6	2543.6	2257.6	2311.0	2364.4	2391.5	2250.6	2088.4	1925.3	1884.0	1842.7
70°	2034.1	1933.4	1832.7	1912.2	1991.8	1983.7	1915.2	1818.6	1721.9	1695.7	1669.5
72.5°	1488.3	1486.3	1485.3	1545.7	1606.1	1525.6	1568.9	1546.7	1525.6	1506.4	1488.3
75°	1115.7	1108.7	1102.6	1174.1	1246.6	1278.8	1307.0	1295.0	1283.9	1269.8	1256.7
77.5°	797.5	803.6	807.6	886.1	964.7	1057.3	1062.3	1036.2	1009.0	994.9	978.8
80°	505.5	511.5	515.6	598.1	679.7	810.6	805.6	773.3	740.1	729.0	717.0
82.5°	312.2	313.2	314.2	354.5	394.7	468.2	488.4	488.4	488.4	481.3	473.3
85°	125.9	131.9	139.0	165.1	191.3	231.6	243.7	245.7	246.7	235.6	223.5
87.5°	40.3	42.3	45.3	50.3	55.4	60.4	70.5	76.5	82.6	88.6	92.6
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: P1365005
CATALOG NUMBER: GSS-SB6C-735-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4
2.5°	6282.5	6245.2	6201.9	6157.6	6126.4	6094.2	6073.0	6051.9	6041.8	6031.7	6023.7
5°	6039.8	5973.3	5914.9	5855.5	5809.2	5761.9	5723.6	5684.3	5668.2	5651.1	5640.0
7.5°	5916.9	5830.3	5757.8	5684.3	5614.8	5546.4	5502.1	5457.8	5431.6	5405.4	5386.3
10°	5901.8	5810.2	5714.5	5618.9	5542.3	5465.8	5399.4	5334.9	5297.6	5261.4	5241.3
12.5°	6027.7	5943.1	5829.3	5714.5	5610.8	5508.1	5426.5	5345.0	5298.7	5254.3	5224.1
15°	6262.3	6233.1	6127.4	6021.7	5878.7	5734.7	5617.9	5500.0	5435.6	5369.1	5331.9
17.5°	6540.2	6597.6	6524.1	6449.6	6248.2	6046.8	5872.6	5699.4	5604.8	5510.1	5476.9
20°	6692.3	6847.4	6839.3	6832.3	6569.4	6305.6	6077.0	5848.5	5721.6	5596.7	5546.4
22.5°	6625.8	6849.4	6906.8	6963.2	6705.4	6446.6	6164.6	5882.7	5733.7	5583.6	5536.3
25°	6312.7	6553.3	6660.1	6766.8	6554.3	6341.9	6068.0	5795.1	5638.0	5479.9	5431.6
27.5°	5850.5	6043.8	6163.6	6283.5	6153.6	6023.7	5802.1	5580.6	5441.6	5301.7	5250.3
30°	5397.3	5528.2	5623.9	5719.6	5634.0	5548.4	5389.3	5231.2	5127.5	5024.8	4992.5
32.5°	4983.5	5080.1	5133.5	5185.9	5119.4	5053.0	4948.2	4843.5	4779.1	4714.6	4693.5
35°	4628.0	4707.6	4747.8	4788.1	4732.7	4677.4	4583.7	4491.1	4444.7	4398.4	4381.3
37.5°	4288.7	4355.1	4412.5	4470.9	4430.6	4390.4	4310.8	4231.3	4176.9	4120.5	4090.3
40°	3966.4	4029.9	4102.4	4173.9	4166.8	4158.8	4083.2	4007.7	3929.2	3851.6	3810.4
42.5°	3670.4	3733.8	3810.4	3886.9	3902.0	3917.1	3854.7	3791.2	3700.6	3610.0	3546.5
45°	3415.6	3472.0	3555.6	3640.2	3675.4	3710.7	3654.3	3596.9	3495.2	3393.5	3318.0
47.5°	3214.2	3272.6	3365.3	3458.9	3496.2	3534.5	3496.2	3458.9	3371.3	3282.7	3216.2
50°	3059.2	3121.6	3194.1	3267.6	3337.1	3405.6	3398.5	3391.5	3322.0	3252.5	3190.1
52.5°	2952.4	3010.8	3086.4	3161.9	3234.4	3307.9	3319.0	3331.0	3280.7	3230.3	3176.0
55°	2860.8	2930.3	3000.8	3071.2	3139.7	3207.2	3222.3	3237.4	3201.1	3163.9	3123.6
57.5°	2733.9	2809.4	2879.9	2950.4	3030.0	3109.5	3121.6	3133.7	3095.4	3056.1	3025.9
60°	2576.8	2653.4	2726.9	2799.4	2879.9	2960.5	2976.6	2992.7	2962.5	2932.3	2904.1
62.5°	2355.3	2441.9	2502.3	2562.7	2639.3	2716.8	2740.0	2764.1	2750.0	2736.9	2704.7
65°	*2136.8*	*2220.4*	*2267.7*	*2316.0*	*2382.5*	*2448.9*	*2472.1*	*2495.3*	*2488.2*	*2482.2*	*2459.0*
67.5°	1919.3	1995.8	2035.1	2074.3	2119.7	2165.0	2191.2	2217.3	2204.2	2190.2	2166.0
70°	1732.0	1794.4	1828.7	1862.9	1899.1	1935.4	1949.5	1963.6	1943.4	1923.3	1868.9
72.5°	1535.6	1583.0	1612.2	1641.4	1675.6	1709.8	1717.9	1726.9	1695.7	1663.5	1600.1
75°	1292.9	1329.2	1351.3	1374.5	1409.8	1445.0	1460.1	1475.2	1430.9	1387.6	1320.1
77.5°	1012.0	1045.2	1066.4	1087.5	1116.7	1145.9	1150.0	1156.0	1117.7	1079.5	1039.2
80°	741.1	765.3	773.3	780.4	804.6	827.7	827.7	827.7	799.5	770.3	750.2
82.5°	468.2	463.2	453.1	443.1	467.2	491.4	499.5	508.5	495.4	483.3	461.2
85°	209.4	193.3	190.3	186.3	185.3	183.3	190.3	196.4	193.3	191.3	183.3
87.5°	98.7	102.7	99.7	95.7	91.6	88.6	80.6	72.5	66.5	60.4	56.4
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: P1365005
CATALOG NUMBER: GSS-SB6C-735-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4
2.5°	6016.6	6011.6	6016.6	6023.7	6031.7	6041.8	6051.9	6073.0	6094.2	6126.4	6157.6
5°	5628.9	5618.9	5628.9	5640.0	5651.1	5668.2	5684.3	5723.6	5761.9	5809.2	5855.5
7.5°	5367.1	5357.1	5367.1	5386.3	5405.4	5431.6	5457.8	5502.1	5546.4	5614.8	5684.3
10°	5221.1	5206.0	5221.1	5241.3	5261.4	5297.6	5334.9	5399.4	5465.8	5542.3	5618.9
12.5°	5193.9	5175.8	5193.9	5224.1	5254.3	5298.7	5345.0	5426.5	5508.1	5610.8	5714.5
15°	5294.6	5266.4	5294.6	5331.9	5369.1	5435.6	5500.0	5617.9	5734.7	5878.7	6021.7
17.5°	5442.7	5427.5	5442.7	5476.9	5510.1	5604.8	5699.4	5872.6	6046.8	6248.2	6449.6
20°	5496.0	5477.9	5496.0	5546.4	5596.7	5721.6	5848.5	6077.0	6305.6	6569.4	6832.3
22.5°	5488.0	5467.8	5488.0	5536.3	5583.6	5733.7	5882.7	6164.6	6446.6	6705.4	6963.2
25°	5382.2	5367.1	5382.2	5431.6	5479.9	5638.0	5795.1	6068.0	6341.9	6554.3	6766.8
27.5°	5198.0	5165.7	5198.0	5250.3	5301.7	5441.6	5580.6	5802.1	6023.7	6153.6	6283.5
30°	4959.3	4944.2	4959.3	4992.5	5024.8	5127.5	5231.2	5389.3	5548.4	5634.0	5719.6
32.5°	4672.3	4662.3	4672.3	4693.5	4714.6	4779.1	4843.5	4948.2	5053.0	5119.4	5185.9
35°	4365.2	4350.1	4365.2	4381.3	4398.4	4444.7	4491.1	4583.7	4677.4	4732.7	4788.1
37.5°	4060.1	4037.9	4060.1	4090.3	4120.5	4176.9	4231.3	4310.8	4390.4	4430.6	4470.9
40°	3768.1	3745.9	3768.1	3810.4	3851.6	3929.2	4007.7	4083.2	4158.8	4166.8	4173.9
42.5°	3484.1	3443.8	3484.1	3546.5	3610.0	3700.6	3791.2	3854.7	3917.1	3902.0	3886.9
45°	3242.4	3192.1	3242.4	3318.0	3393.5	3495.2	3596.9	3654.3	3710.7	3675.4	3640.2
47.5°	3149.8	3101.5	3149.8	3216.2	3282.7	3371.3	3458.9	3496.2	3534.5	3496.2	3458.9
50°	3126.6	3081.3	3126.6	3190.1	3252.5	3322.0	3391.5	3398.5	3405.6	3337.1	3267.6
52.5°	3121.6	3081.3	3121.6	3176.0	3230.3	3280.7	3331.0	3319.0	3307.9	3234.4	3161.9
55°	3083.3	3051.1	3083.3	3123.6	3163.9	3201.1	3237.4	3222.3	3207.2	3139.7	3071.2
57.5°	2995.7	2980.6	2995.7	3025.9	3056.1	3095.4	3133.7	3121.6	3109.5	3030.0	2950.4
60°	2874.9	2849.7	2874.9	2904.1	2932.3	2962.5	2992.7	2976.6	2960.5	2879.9	2799.4
62.5°	2673.5	2638.3	2673.5	2704.7	2736.9	2750.0	2764.1	2740.0	2716.8	2639.3	2562.7
65°	*2436.9*	*2396.6*	*2436.9*	*2459.0*	*2482.2*	*2488.2*	*2495.3*	*2472.1*	*2448.9*	*2382.5*	*2316.0*
67.5°	2142.8	2134.8	2142.8	2166.0	2190.2	2204.2	2217.3	2191.2	2165.0	2119.7	2074.3
70°	1814.6	1752.1	1814.6	1868.9	1923.3	1943.4	1963.6	1949.5	1935.4	1899.1	1862.9
72.5°	1535.6	1470.2	1535.6	1600.1	1663.5	1695.7	1726.9	1717.9	1709.8	1675.6	1641.4
75°	1253.7	1208.4	1253.7	1320.1	1387.6	1430.9	1475.2	1460.1	1445.0	1409.8	1374.5
77.5°	998.9	976.8	998.9	1039.2	1079.5	1117.7	1156.0	1150.0	1145.9	1116.7	1087.5
80°	730.1	714.9	730.1	750.2	770.3	799.5	827.7	827.7	827.7	804.6	780.4
82.5°	438.0	422.9	438.0	461.2	483.3	495.4	508.5	499.5	491.4	467.2	443.1
85°	176.2	171.2	176.2	183.3	191.3	193.3	196.4	190.3	183.3	185.3	186.3
87.5°	52.4	50.3	52.4	56.4	60.4	66.5	72.5	80.6	88.6	91.6	95.7
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: P1365005
CATALOG NUMBER: GSS-SB6C-735-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4
2.5°	6201.9	6245.2	6282.5	6318.7	6360.0	6402.3	6455.7	6510.0	6560.4	6617.8	6675.2
5°	5914.9	5973.3	6039.8	6104.2	6182.8	6261.3	6356.0	6452.6	6550.3	6664.1	6772.9
7.5°	5757.8	5830.3	5916.9	6003.5	6106.2	6207.9	6324.8	6442.6	6560.4	6711.4	6856.4
10°	5714.5	5810.2	5901.8	5993.5	6098.2	6202.9	6325.8	6449.6	6575.5	6736.6	6902.8
12.5°	5829.3	5943.1	6027.7	6112.3	6184.8	6258.3	6360.0	6462.7	6585.6	6761.8	6944.0
15°	6127.4	6233.1	6262.3	6291.5	6297.6	6303.6	6370.1	6436.5	6545.3	6741.6	6948.1
17.5°	6524.1	6597.6	6540.2	6482.8	6383.2	6283.5	6292.5	6301.6	6394.2	6623.8	6863.5
20°	6839.3	6847.4	6692.3	6537.2	6342.9	6147.5	6091.1	6033.7	6092.1	6396.2	6712.4
22.5°	6906.8	6849.4	6625.8	6402.3	6147.5	5892.8	5809.2	5724.6	5780.0	6142.5	6539.2
25°	6660.1	6553.3	6312.7	6072.0	5836.4	5600.7	5509.1	5417.5	5422.5	5838.4	6332.8
27.5°	6163.6	6043.8	5850.5	5657.1	5481.9	5306.7	5218.1	5130.5	5105.3	5530.3	6121.3
30°	5623.9	5528.2	5397.3	5266.4	5139.6	5012.7	4944.2	4875.7	4848.5	5261.4	5937.1
32.5°	5133.5	5080.1	4983.5	4885.8	4803.2	4720.7	4691.5	4662.3	4662.3	5042.9	5776.0
35°	4747.8	4707.6	4628.0	4549.5	4495.1	4440.7	4464.9	4489.1	4551.5	4845.5	5592.7
37.5°	4412.5	4355.1	4288.7	4221.2	4197.0	4170.9	4237.3	4301.8	4420.6	4652.2	5389.3
40°	4102.4	4029.9	3966.4	3902.0	3905.0	3907.0	4003.7	4100.4	4249.4	4432.7	5146.6
42.5°	3810.4	3733.8	3670.4	3607.0	3620.0	3633.1	3756.0	3878.8	4063.1	4191.0	4857.6
45°	3555.6	3472.0	3415.6	3361.3	3381.4	3401.5	3526.4	3653.3	3836.5	3952.3	4563.6
47.5°	3365.3	3272.6	3214.2	3156.8	3169.9	3182.0	3290.8	3398.5	3569.7	3703.6	4271.5
50°	3194.1	3121.6	3059.2	2995.7	2980.6	2965.5	3055.1	3143.7	3312.9	3496.2	4011.8
52.5°	3086.4	3010.8	2952.4	2895.0	2848.7	2801.4	2868.8	2935.3	3116.6	3351.2	3778.1
55°	3000.8	2930.3	2860.8	2791.3	2724.8	2658.4	2732.9	2807.4	3020.9	3254.5	3582.8
57.5°	2879.9	2809.4	2733.9	2658.4	2591.9	2525.5	2629.2	2733.9	2995.7	3192.1	3417.6
60°	2726.9	2653.4	2576.8	2499.3	2456.0	2411.7	2542.6	2673.5	2935.3	3089.4	3247.5
62.5°	2502.3	2441.9	2355.3	2267.7	2263.7	2257.6	2428.8	2600.0	2849.7	2915.2	3002.8
65°	*2267.7*	*2220.4*	*2136.8*	*2054.2*	*2074.3*	*2094.5*	*2277.8*	*2462.0*	*2668.5*	*2686.6*	*2704.7*
67.5°	2035.1	1995.8	1919.3	1842.7	1884.0	1925.3	2088.4	2250.6	2391.5	2364.4	2311.0
70°	1828.7	1794.4	1732.0	1669.5	1695.7	1721.9	1818.6	1915.2	1983.7	1991.8	1912.2
72.5°	1612.2	1583.0	1535.6	1488.3	1506.4	1525.6	1546.7	1568.9	1525.6	1606.1	1545.7
75°	1351.3	1329.2	1292.9	1256.7	1269.8	1283.9	1295.0	1307.0	1278.8	1246.6	1174.1
77.5°	1066.4	1045.2	1012.0	978.8	994.9	1009.0	1036.2	1062.3	1057.3	964.7	886.1
80°	773.3	765.3	741.1	717.0	729.0	740.1	773.3	805.6	810.6	679.7	598.1
82.5°	453.1	463.2	468.2	473.3	481.3	488.4	488.4	488.4	468.2	394.7	354.5
85°	190.3	193.3	209.4	223.5	235.6	246.7	245.7	243.7	231.6	191.3	165.1
87.5°	99.7	102.7	98.7	92.6	88.6	82.6	76.5	70.5	60.4	55.4	50.3
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: P1365005
CATALOG NUMBER: GSS-SB6C-735-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4	6565.4
2.5°	6731.6	6791.0	6849.4	6907.8	6966.2	7029.6	7094.1
5°	6882.6	6998.4	7114.2	7232.0	7350.9	7463.6	7577.4
7.5°	7000.4	7161.5	7322.7	7502.9	7683.1	7874.5	8065.8
10°	7068.9	7268.3	7466.7	7691.2	7914.8	8144.3	8372.9
12.5°	7127.3	7349.8	7572.4	7823.1	8073.9	8301.4	8529.0
15°	7154.5	7395.2	7634.8	7889.6	8144.3	8373.9	8604.5
17.5°	7104.1	7377.0	7650.9	7922.8	8194.7	8409.2	8624.7
20°	7028.6	7349.8	7671.1	7963.1	8255.1	8472.6	8690.1
22.5°	6936.0	7328.7	7721.4	8041.6	8362.9	8561.2	8760.6
25°	6827.2	7326.7	7826.1	8176.6	8527.0	8699.2	8871.4
27.5°	6711.4	7345.8	7980.2	8373.9	8768.7	8900.6	9032.5
30°	6613.8	7387.1	8161.5	8607.5	9052.6	9155.3	9259.1
32.5°	6510.0	7433.4	8357.8	8882.4	9407.1	9471.5	9536.0
35°	6338.9	7422.3	8506.8	9174.5	9843.1	9923.6	10004.2
37.5°	6127.4	7391.1	8654.9	9530.9	10407.0	10502.7	10598.3
40°	5860.5	7320.6	8780.7	9938.8	11096.8	11286.1	11474.4
42.5°	5523.2	7198.8	8873.4	10389.9	11904.4	12304.1	12702.9
45°	5175.8	7115.2	9054.6	11002.1	12949.6	13589.0	14228.4
47.5°	4841.5	7017.5	9193.6	11631.5	14069.3	14878.9	15688.5
50°	4526.3	6851.4	9175.5	12180.3	15185.0	16282.6	17380.2
52.5°	4207.1	6511.0	8816.0	12440.1	16063.1	17807.2	19550.2
55°	3909.0	6059.9	8208.8	12371.6	16534.4	19338.8	22143.2
57.5°	3643.2	5587.7	7532.1	11998.0	16463.9	20624.7	24786.5
60°	3405.6	4990.5	6575.5	11102.8	15630.1	21200.7	26770.2
62.5°	3091.4	4233.3	5375.2	9635.7	13896.1	19922.8	25949.5
65°	*2723.8*	*3327.0*	*3929.2*	*7558.3*	*11187.4*	*17183.9*	*23180.4*
67.5°	2257.6	2543.6	2829.6	5881.7	8933.8	14758.1	20582.4
70°	1832.7	1933.4	2034.1	4507.2	6980.3	12537.7	18095.2
72.5°	1485.3	1486.3	1488.3	3388.4	5288.6	10411.0	15532.4
75°	1102.6	1108.7	1115.7	2511.4	3907.0	8312.5	12718.0
77.5°	807.6	803.6	797.5	1623.2	2448.9	5453.7	8458.5
80°	515.6	511.5	505.5	897.2	1288.9	3126.6	4964.3
82.5°	314.2	313.2	312.2	482.3	652.5	1566.8	2482.2
85°	139.0	131.9	125.9	153.1	181.3	372.6	563.9
87.5°	45.3	42.3	40.3	41.3	42.3	44.3	45.3
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: SP1-2407-184-5

Test Date: 10/10/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

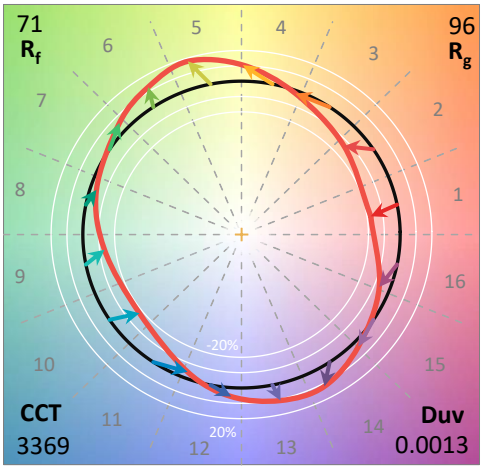
Test Information

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

Spectral Parameters

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

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



Test Conditions

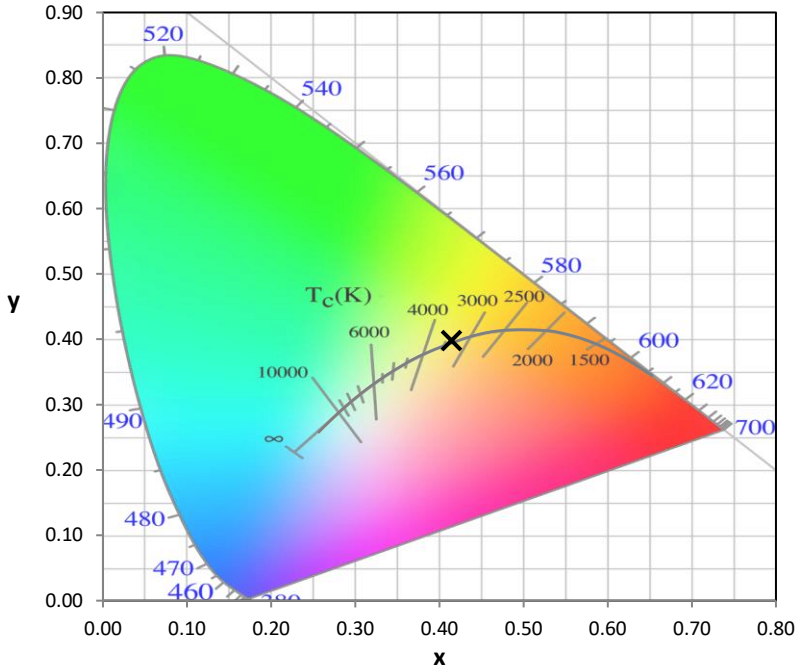
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

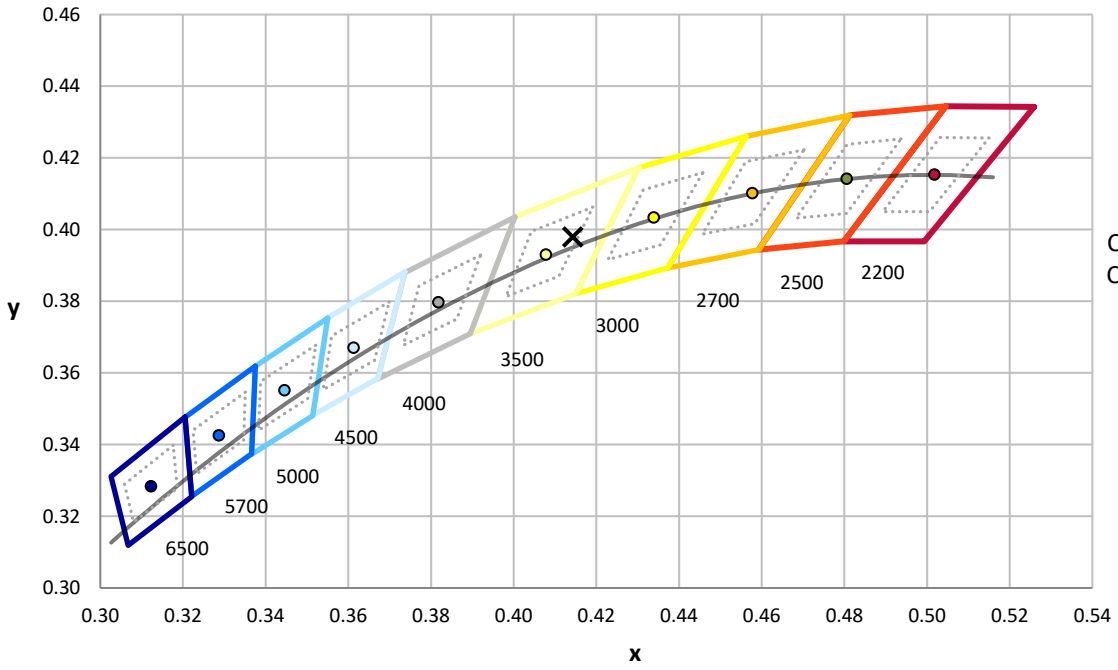
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

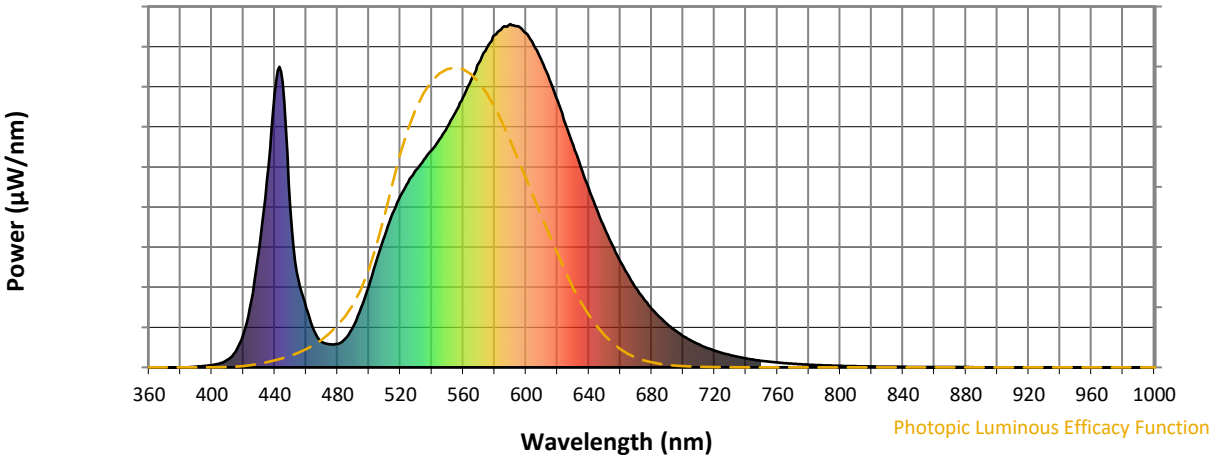


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

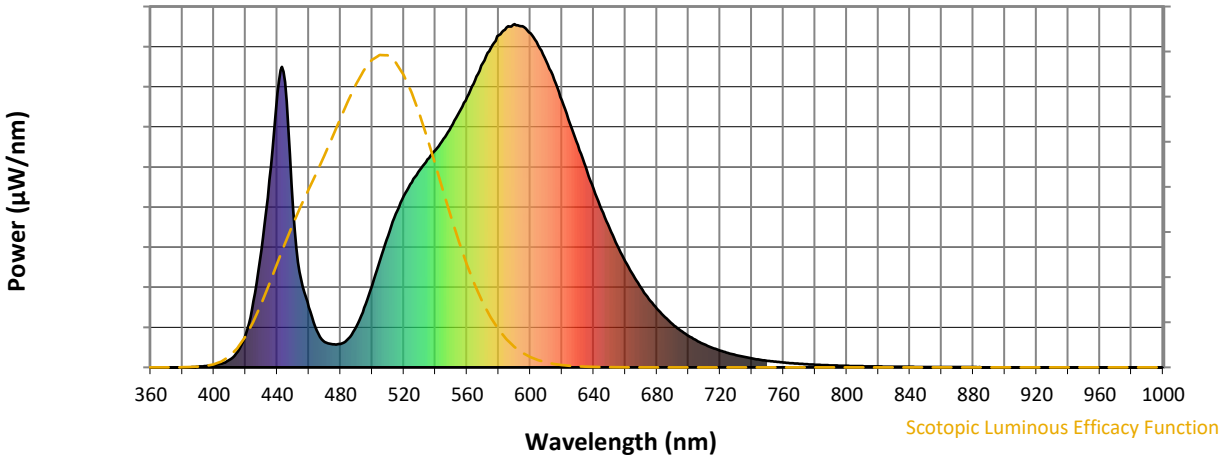


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

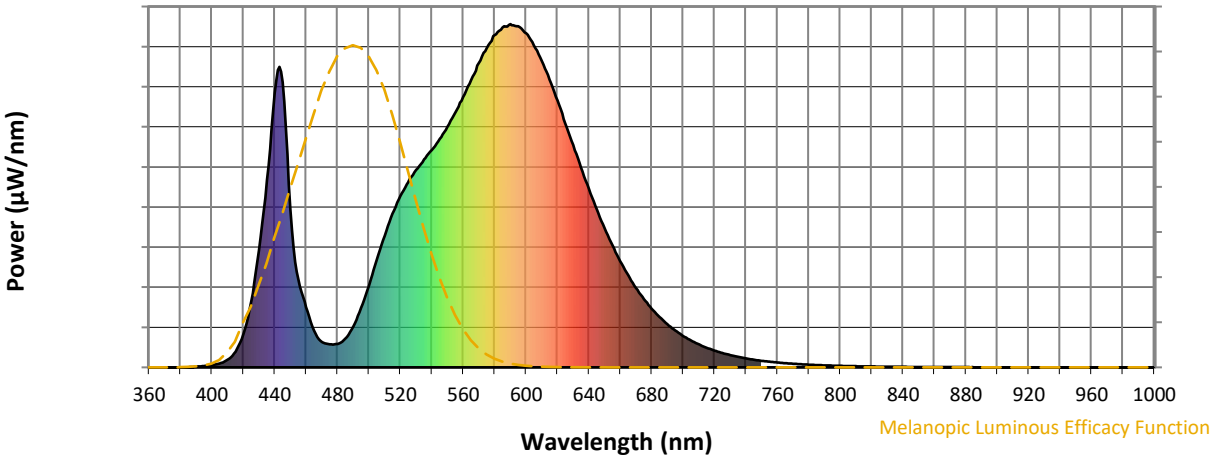


Scotopic Lumens: NR **S/P: 1.29**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

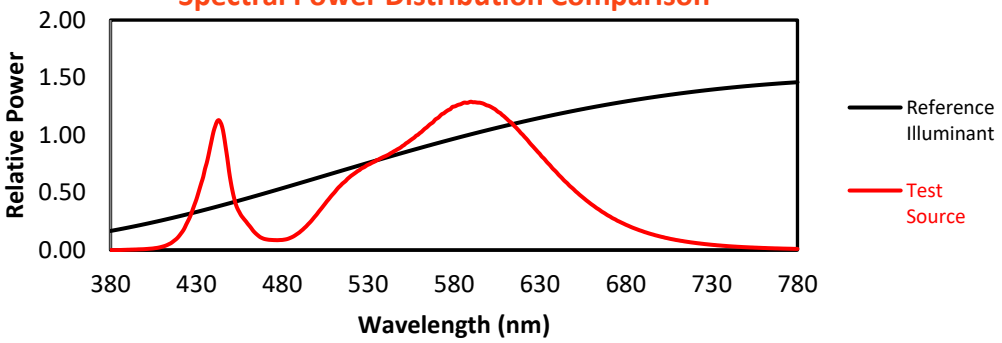
REPORT NUMBER: SP1-2407-184-5

TM-30-18

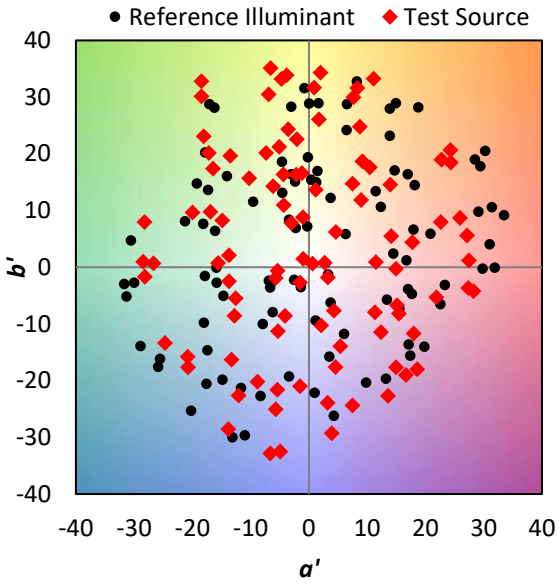
Summary

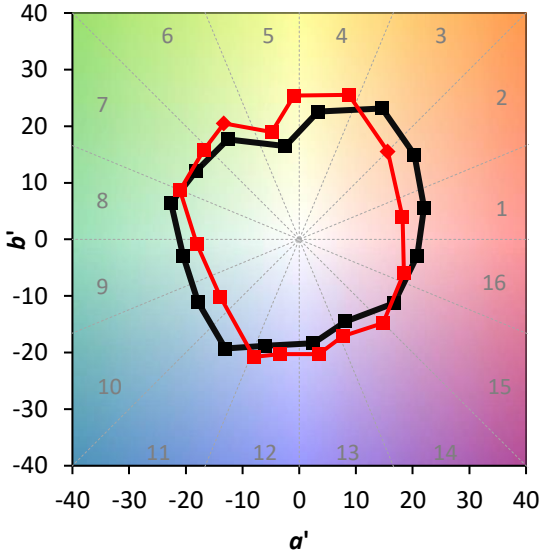
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

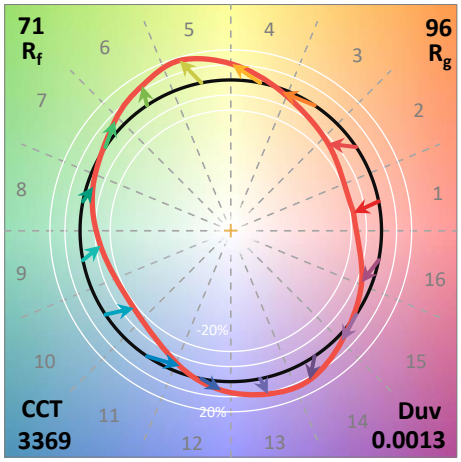
Spectral Power Distribution Comparison

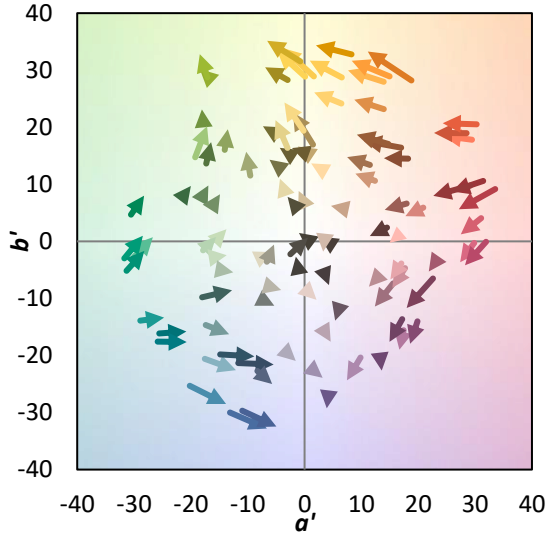


Color Vector Graphics







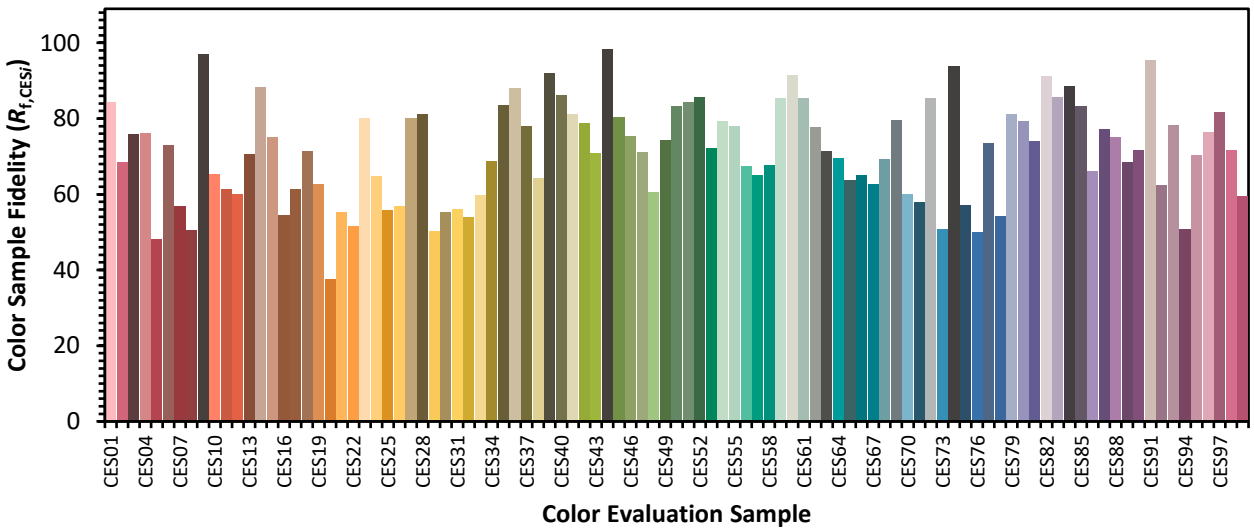


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

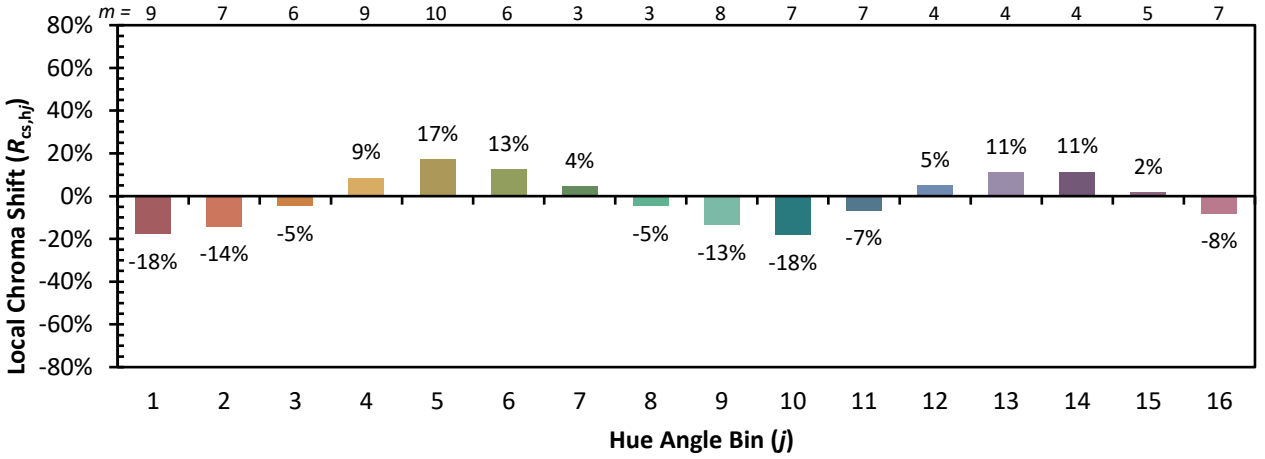
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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

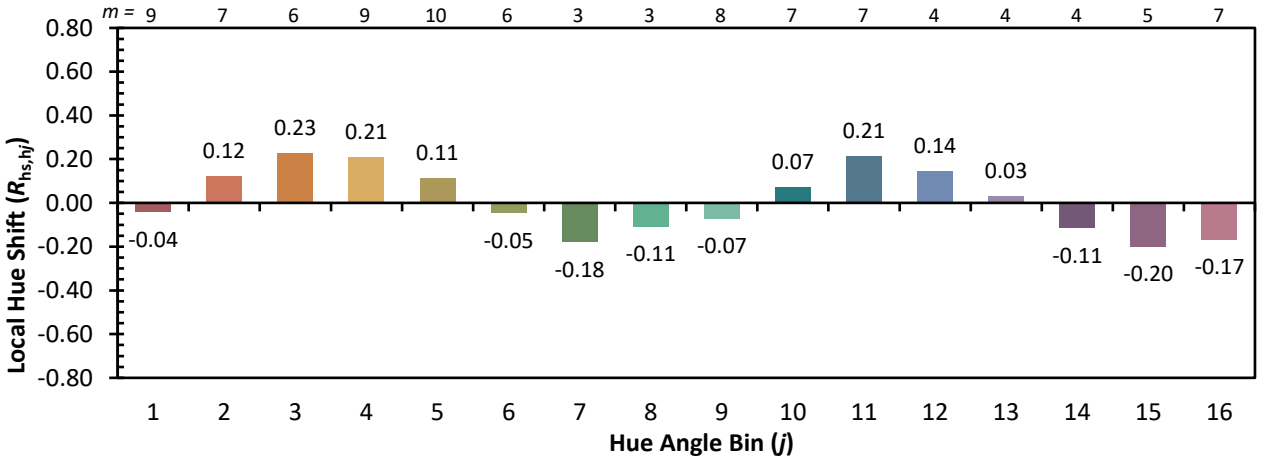


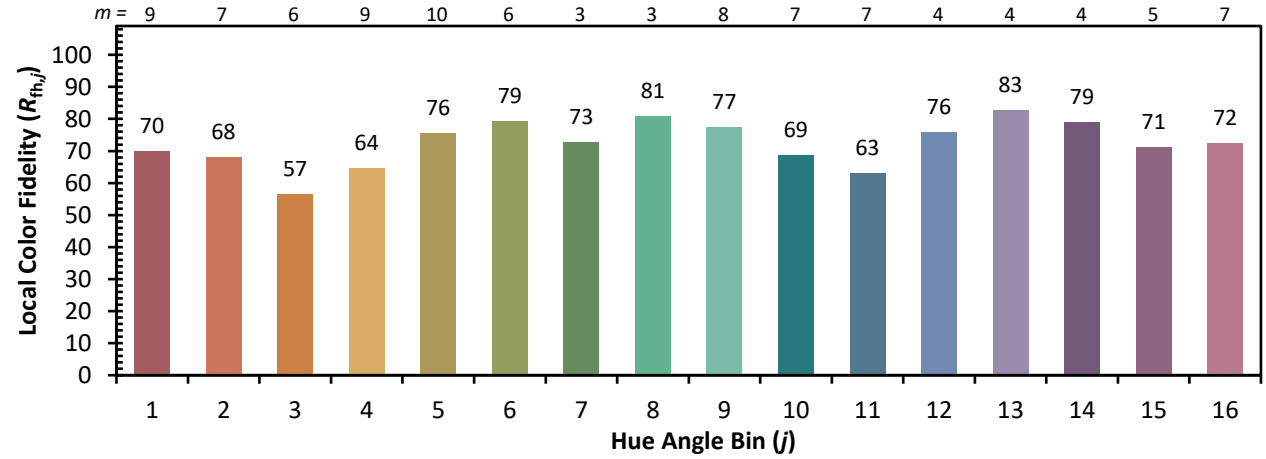
REPORT NUMBER: SP1-2407-184-5

TM-30-18

Color Rendition by Hue-Angle Bin



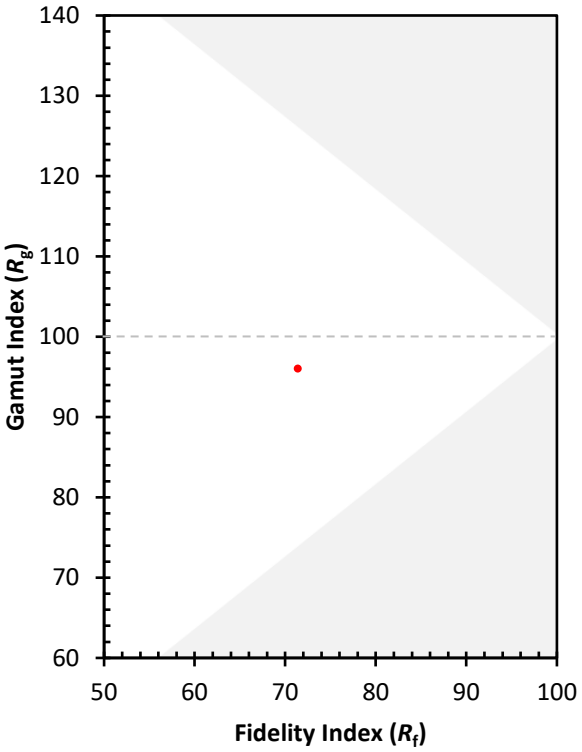


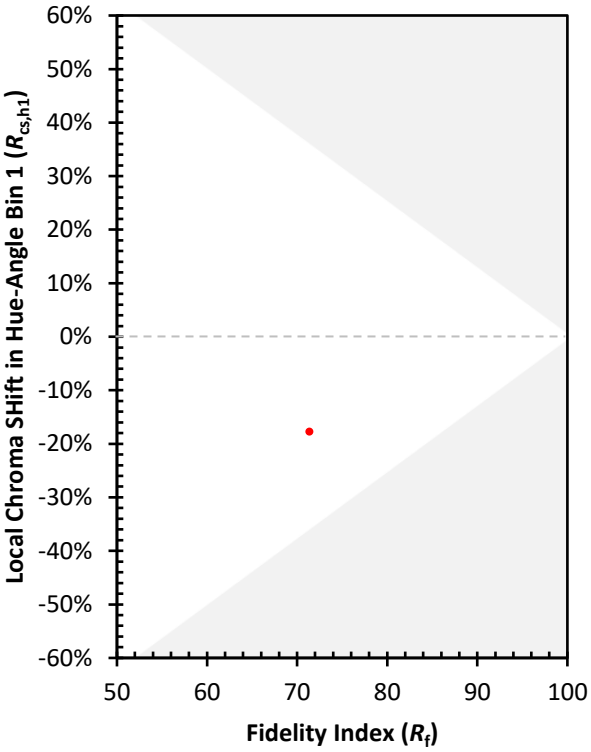


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Measure Comparisons





(END OF REPORT)