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: P1364215

Luminaire Tested: **GSS-SB1A-735-U-SLR**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364215
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-735-U-SLR
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC
Light Source:	(26) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3864.4 lumens
Efficiency:	N/A
Efficacy:	124.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

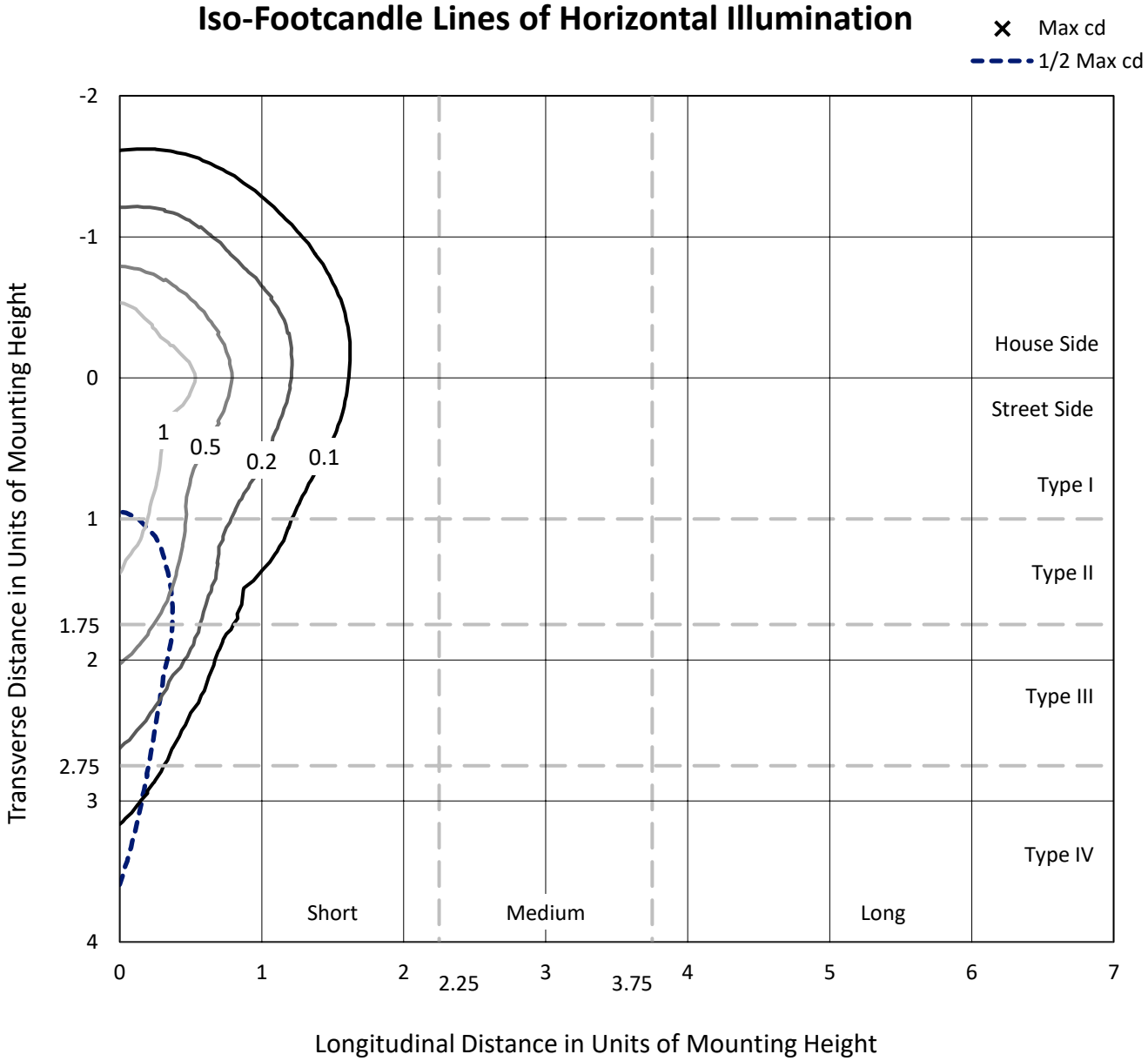
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



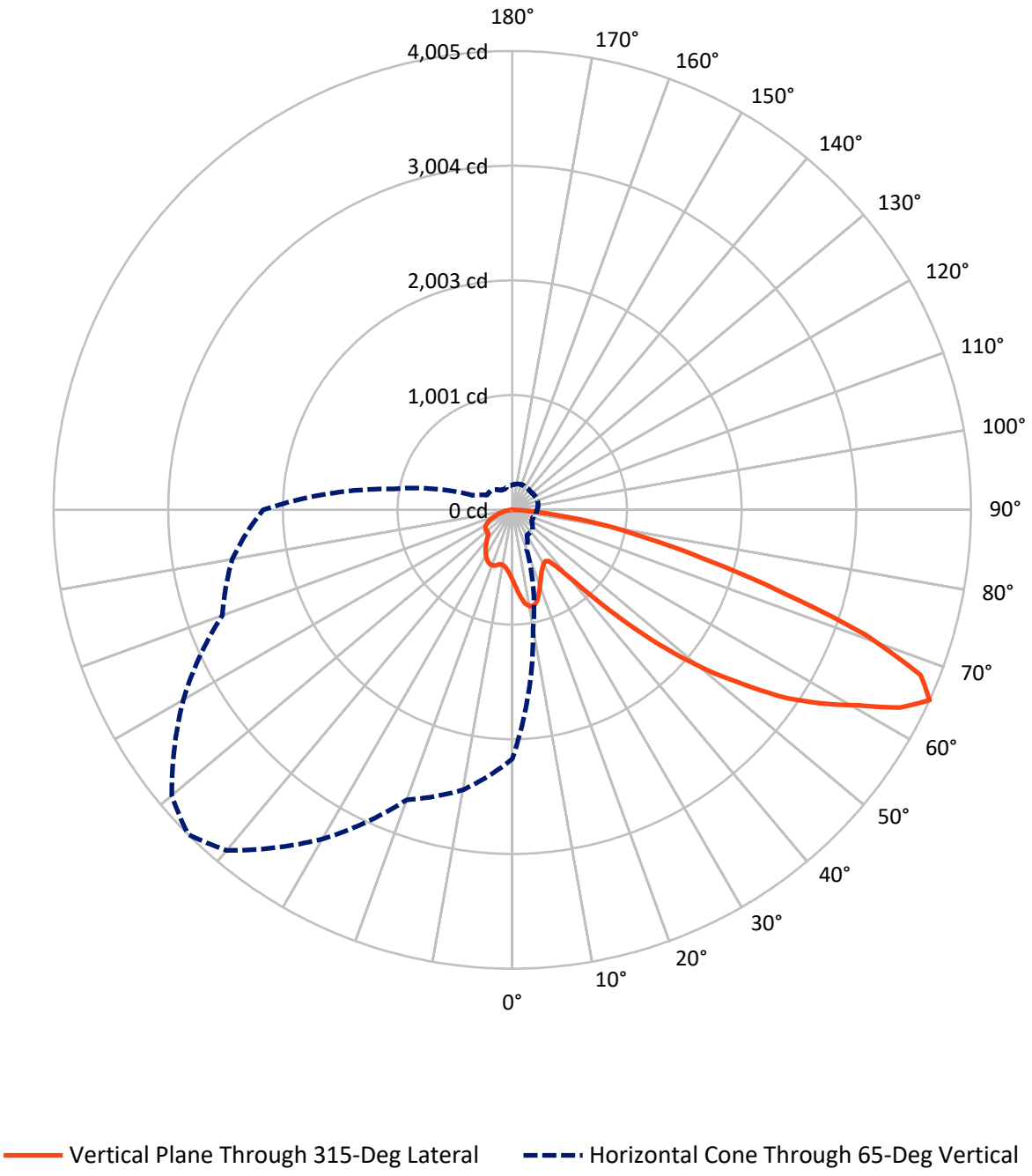
Based on 20 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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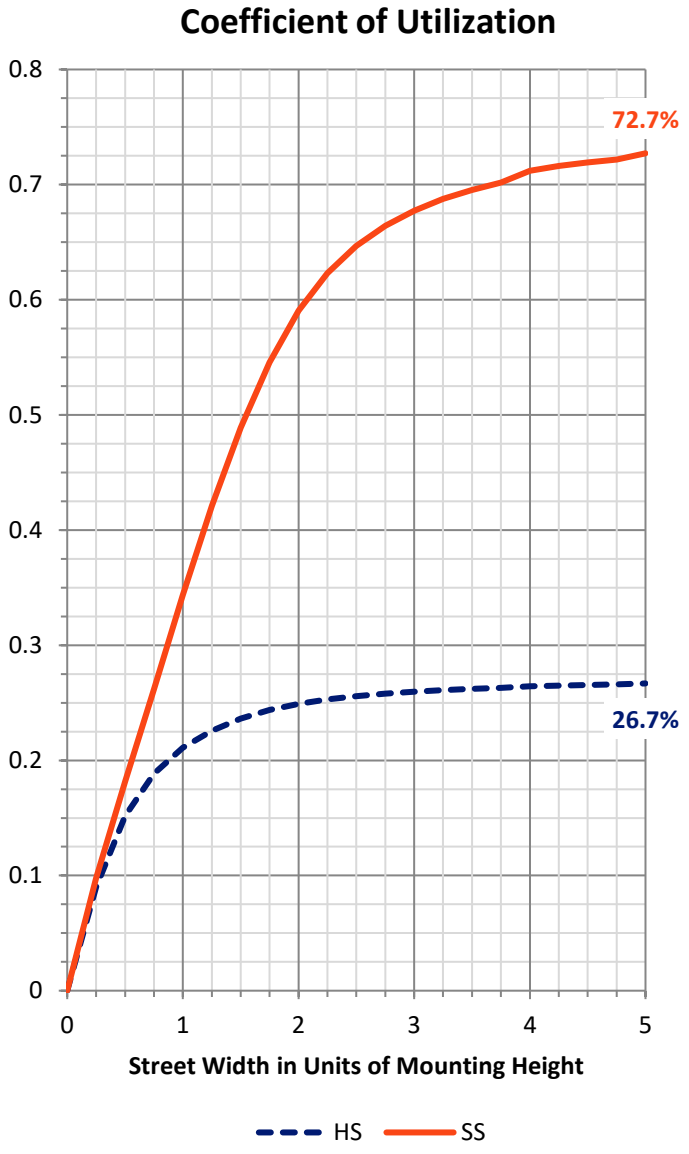
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1039.6	0.0	1039.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2824.8	0.0	2824.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	3864.4	0.0	3864.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	1.6
10°-20°	186.4	4.8
20°-30°	288.6	7.5
30°-40°	358.0	9.3
40°-50°	523.5	13.5
50°-60°	820.1	21.2
60°-70°	973.0	25.2
70°-80°	567.5	14.7
80°-90°	86.3	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°	3864.4	100.0
0°-180°	3864.4	100.0



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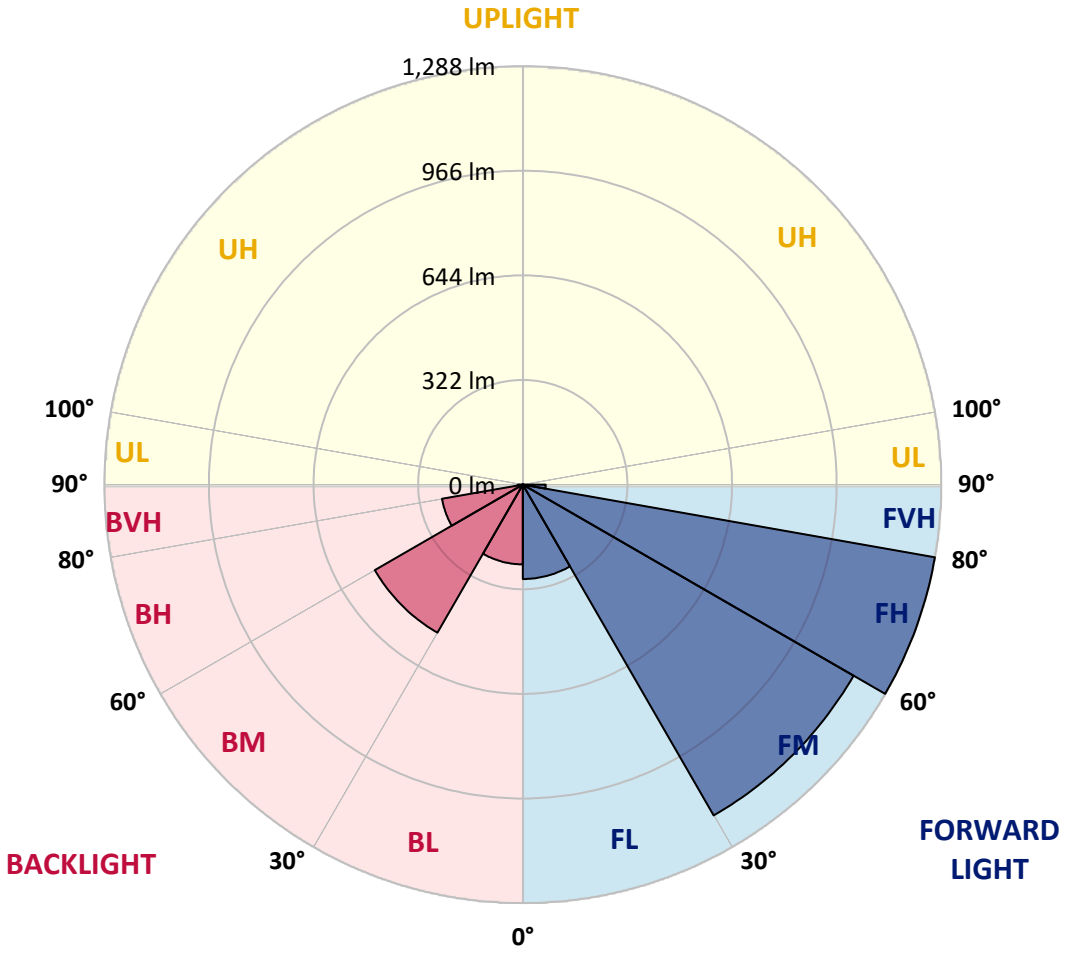
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	290.4	7.5			
FM	(30°-60°)	1175.6	30.4			
FH	(60°-80°)	1288.1	33.3			G1/1800
FVH	(80°-90°)	70.6	1.8			G1/100
BL	(0°-30°)	245.4	6.4	B1/500		
BM	(30°-60°)	526.0	13.6	B1/1000		
BH	(60°-80°)	252.5	6.5	B1/500		G1/500
BVH	(80°-90°)	15.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2
2.5°	665.8	659.7	653.8	648.3	642.8	637.3	631.8	626.5	621.1	615.7	611.0
5°	711.2	700.5	689.9	678.7	667.7	656.8	645.9	635.6	625.4	614.8	605.6
7.5°	757.0	739.0	721.1	704.2	687.2	672.1	657.0	643.5	629.9	615.7	604.6
10°	785.8	764.4	742.8	721.8	700.8	682.1	663.4	647.8	632.2	617.1	605.3
12.5°	800.5	779.1	757.7	734.2	710.7	689.8	668.9	651.7	634.6	618.1	606.5
15°	807.6	785.9	764.4	740.5	716.5	694.1	671.5	652.1	632.7	614.3	604.1
17.5°	809.4	789.2	769.1	743.6	718.1	692.4	666.7	644.2	621.7	600.1	591.4
20°	815.6	795.2	774.8	747.4	719.9	689.8	659.7	630.0	600.3	571.8	566.3
22.5°	822.2	803.5	784.9	754.7	724.7	687.8	651.0	613.7	576.5	542.5	537.3
25°	832.6	816.4	800.3	767.4	734.5	687.6	640.8	594.3	547.9	508.9	508.4
27.5°	847.7	835.3	823.0	785.9	749.0	689.4	629.9	574.5	519.0	479.1	481.5
30°	869.0	859.2	849.6	807.8	766.0	693.3	620.7	557.2	493.8	455.0	457.6
32.5°	895.0	888.9	882.9	833.6	784.4	697.6	611.0	542.1	473.3	437.6	437.6
35°	938.9	931.4	923.8	861.0	798.4	696.6	594.9	524.9	454.8	427.2	421.3
37.5°	994.7	985.7	976.7	894.5	812.3	693.7	575.1	505.8	436.6	414.9	403.7
40°	1076.9	1059.2	1041.5	932.8	824.1	687.1	550.0	483.0	416.0	398.8	384.8
42.5°	1192.2	1154.8	1117.3	975.1	832.8	675.6	518.4	455.9	393.3	381.3	364.0
45°	1335.4	1275.4	1215.3	1032.6	849.8	667.8	485.8	428.3	370.9	360.1	342.9
47.5°	1472.4	1396.4	1320.4	1091.6	862.8	658.6	454.4	400.9	347.6	335.0	319.0
50°	1631.2	1528.2	1425.2	1143.1	861.1	643.0	424.8	376.5	328.1	310.9	295.0
52.5°	1834.8	1671.2	1507.6	1167.5	827.4	611.1	394.8	354.6	314.5	292.5	275.5
55°	2078.2	1815.0	1551.8	1161.1	770.4	568.7	366.9	336.3	305.4	283.5	263.5
57.5°	2326.3	1935.7	1545.2	1126.0	706.9	524.4	341.9	320.8	299.6	281.2	256.6
60°	2512.4	1989.7	1466.9	1042.0	617.1	468.4	319.6	304.8	289.9	275.5	250.9
62.5°	2435.4	1869.8	1304.2	904.3	504.5	397.3	290.1	281.8	273.6	267.5	244.0
65°	*2175.5*	*1612.7*	*1050.0*	*709.4*	*368.8*	*312.2*	*255.6*	*253.8*	*252.1*	*250.4*	*231.1*
67.5°	1931.7	1385.1	838.5	552.0	265.6	238.7	211.9	216.9	221.9	224.5	211.2
70°	1698.3	1176.7	655.1	423.0	190.9	181.5	172.0	179.5	186.9	186.2	179.8
72.5°	1457.8	977.1	496.3	318.0	139.7	139.5	139.4	145.1	150.7	143.2	147.2
75°	1193.6	780.1	366.7	235.7	104.7	104.1	103.5	110.2	117.0	120.0	122.7
77.5°	793.9	511.8	229.8	152.3	74.8	75.4	75.8	83.2	90.5	99.2	99.7
80°	465.9	293.4	121.0	84.2	47.4	48.0	48.4	56.1	63.8	76.1	75.6
82.5°	233.0	147.1	61.2	45.3	29.3	29.4	29.5	33.3	37.0	43.9	45.8
85°	52.9	35.0	17.0	14.4	11.8	12.4	13.0	15.5	18.0	21.7	22.9
87.5°	4.3	4.2	4.0	3.9	3.8	4.0	4.3	4.7	5.2	5.7	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2
2.5°	605.9	600.9	596.9	593.0	589.6	586.1	582.1	577.9	575.0	572.0	570.0
5°	596.5	587.6	580.3	572.9	566.8	560.6	555.1	549.6	545.2	540.8	537.2
7.5°	593.6	582.6	573.1	563.4	555.3	547.2	540.4	533.5	527.0	520.5	516.4
10°	593.7	582.2	572.3	562.5	553.9	545.3	536.3	527.3	520.2	513.0	506.7
12.5°	596.9	587.4	580.5	573.7	565.7	557.8	547.1	536.3	526.6	516.9	509.3
15°	597.8	591.6	591.0	590.5	587.7	585.0	575.1	565.1	551.7	538.2	527.2
17.5°	590.6	589.7	599.1	608.4	613.8	619.2	612.3	605.3	586.4	567.5	551.2
20°	571.7	577.0	595.3	613.5	628.1	642.6	641.9	641.2	616.6	591.8	570.3
22.5°	545.2	553.0	577.0	600.9	621.8	642.8	648.2	653.5	629.3	605.0	578.6
25°	517.0	525.6	547.8	569.9	592.5	615.0	625.1	635.1	615.1	595.2	569.5
27.5°	489.7	498.0	514.5	530.9	549.1	567.2	578.5	589.7	577.5	565.3	544.5
30°	464.0	470.5	482.4	494.3	506.6	518.8	527.8	536.8	528.8	520.7	505.8
32.5°	440.3	443.0	450.8	458.5	467.7	476.8	481.8	486.7	480.5	474.2	464.4
35°	419.0	416.8	421.9	427.0	434.3	441.8	445.6	449.4	444.2	439.0	430.2
37.5°	397.7	391.4	393.9	396.2	402.5	408.7	414.1	419.6	415.8	412.0	404.6
40°	375.8	366.7	366.5	366.2	372.3	378.2	385.0	391.7	391.1	390.3	383.2
42.5°	352.5	341.0	339.7	338.5	344.5	350.4	357.6	364.8	366.2	367.6	361.8
45°	331.0	319.2	317.4	315.5	320.6	325.9	333.7	341.6	344.9	348.3	343.0
47.5°	308.8	298.6	297.5	296.3	301.7	307.1	315.8	324.6	328.1	331.7	328.1
50°	286.7	278.3	279.7	281.2	287.1	293.0	299.8	306.7	313.2	319.6	319.0
52.5°	269.2	262.9	267.4	271.7	277.1	282.6	289.7	296.7	303.6	310.5	311.5
55°	256.5	249.5	255.7	262.0	268.5	275.0	281.6	288.2	294.7	301.0	302.4
57.5°	246.8	237.0	243.3	249.5	256.6	263.7	270.3	276.9	284.4	291.8	293.0
60°	238.6	226.3	230.5	234.6	241.8	249.0	255.9	262.7	270.3	277.8	279.4
62.5°	227.9	211.9	212.4	212.8	221.0	229.2	234.8	240.5	247.7	255.0	257.2
65°	*213.8*	*196.6*	*194.7*	*192.8*	*200.5*	*208.4*	*212.8*	*217.4*	*223.6*	*229.8*	*232.0*
67.5°	196.0	180.7	176.8	172.9	180.1	187.3	191.0	194.7	198.9	203.2	205.6
70°	170.7	161.6	159.1	156.7	162.6	168.4	171.6	174.8	178.2	181.6	183.0
72.5°	145.2	143.2	141.4	139.7	144.1	148.6	151.3	154.0	157.3	160.5	161.2
75°	121.5	120.5	119.2	117.9	121.3	124.7	126.8	129.0	132.3	135.6	137.0
77.5°	97.2	94.7	93.4	91.9	95.0	98.1	100.1	102.1	104.8	107.5	107.9
80°	72.6	69.5	68.4	67.3	69.6	71.8	72.6	73.2	75.5	77.7	77.7
82.5°	45.8	45.8	45.2	44.4	43.9	43.5	42.5	41.6	43.9	46.1	46.9
85°	23.1	23.2	22.1	21.0	19.7	18.1	17.9	17.5	17.4	17.2	17.9
87.5°	7.2	7.7	8.3	8.7	9.3	9.6	9.4	9.0	8.6	8.3	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2
2.5°	568.0	567.0	566.1	565.3	564.7	564.2	564.7	565.3	566.1	567.0	568.0
5°	533.5	532.0	530.4	529.3	528.3	527.3	528.3	529.3	530.4	532.0	533.5
7.5°	512.2	509.8	507.3	505.5	503.7	502.8	503.7	505.5	507.3	509.8	512.2
10°	500.7	497.2	493.8	491.9	490.0	488.6	490.0	491.9	493.8	497.2	500.7
12.5°	501.6	497.3	493.1	490.3	487.5	485.8	487.5	490.3	493.1	497.3	501.6
15°	516.2	510.1	503.9	500.4	496.9	494.3	496.9	500.4	503.9	510.1	516.2
17.5°	534.9	526.0	517.1	514.0	510.8	509.4	510.8	514.0	517.1	526.0	534.9
20°	548.9	537.0	525.3	520.5	515.8	514.1	515.8	520.5	525.3	537.0	548.9
22.5°	552.1	538.1	524.0	519.6	515.1	513.2	515.1	519.6	524.0	538.1	552.1
25°	543.9	529.1	514.3	509.8	505.1	503.7	505.1	509.8	514.3	529.1	543.9
27.5°	523.8	510.7	497.6	492.8	487.8	484.8	487.8	492.8	497.6	510.7	523.8
30°	491.0	481.2	471.6	468.6	465.4	464.0	465.4	468.6	471.6	481.2	491.0
32.5°	454.6	448.5	442.5	440.5	438.5	437.6	438.5	440.5	442.5	448.5	454.6
35°	421.5	417.1	412.8	411.2	409.7	408.3	409.7	411.2	412.8	417.1	421.5
37.5°	397.1	392.0	386.7	383.9	381.0	379.0	381.0	383.9	386.7	392.0	397.1
40°	376.1	368.8	361.5	357.6	353.6	351.6	353.6	357.6	361.5	368.8	376.1
42.5°	355.8	347.3	338.8	332.9	327.0	323.2	327.0	332.9	338.8	347.3	355.8
45°	337.6	328.0	318.5	311.4	304.3	299.6	304.3	311.4	318.5	328.0	337.6
47.5°	324.6	316.4	308.1	301.9	295.6	291.1	295.6	301.9	308.1	316.4	324.6
50°	318.3	311.8	305.3	299.4	293.4	289.2	293.4	299.4	305.3	311.8	318.3
52.5°	312.6	307.9	303.2	298.1	293.0	289.2	293.0	298.1	303.2	307.9	312.6
55°	303.8	300.4	296.9	293.2	289.4	286.4	289.4	293.2	296.9	300.4	303.8
57.5°	294.1	290.5	286.8	284.0	281.2	279.7	281.2	284.0	286.8	290.5	294.1
60°	280.9	278.0	275.2	272.6	269.8	267.5	269.8	272.6	275.2	278.0	280.9
62.5°	259.4	258.1	256.9	253.8	250.9	247.6	250.9	253.8	256.9	258.1	259.4
65°	*234.2*	*233.5*	*233.0*	*230.8*	*228.7*	*224.9*	*228.7*	*230.8*	*233.0*	*233.5*	*234.2*
67.5°	208.1	206.9	205.6	203.3	201.1	200.4	201.1	203.3	205.6	206.9	208.1
70°	184.3	182.4	180.5	175.4	170.3	164.4	170.3	175.4	180.5	182.4	184.3
72.5°	162.1	159.1	156.1	150.2	144.1	138.0	144.1	150.2	156.1	159.1	162.1
75°	138.5	134.3	130.2	123.9	117.7	113.4	117.7	123.9	130.2	134.3	138.5
77.5°	108.5	104.9	101.3	97.5	93.7	91.7	93.7	97.5	101.3	104.9	108.5
80°	77.7	75.0	72.3	70.4	68.5	67.1	68.5	70.4	72.3	75.0	77.7
82.5°	47.7	46.5	45.4	43.3	41.1	39.7	41.1	43.3	45.4	46.5	47.7
85°	18.4	18.1	18.0	17.2	16.5	16.1	16.5	17.2	18.0	18.1	18.4
87.5°	6.8	6.2	5.7	5.3	4.9	4.7	4.9	5.3	5.7	6.2	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P1364215
CATALOG NUMBER: GSS-SB1A-735-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2
2.5°	570.0	572.0	575.0	577.9	582.1	586.1	589.6	593.0	596.9	600.9	605.9
5°	537.2	540.8	545.2	549.6	555.1	560.6	566.8	572.9	580.3	587.6	596.5
7.5°	516.4	520.5	527.0	533.5	540.4	547.2	555.3	563.4	573.1	582.6	593.6
10°	506.7	513.0	520.2	527.3	536.3	545.3	553.9	562.5	572.3	582.2	593.7
12.5°	509.3	516.9	526.6	536.3	547.1	557.8	565.7	573.7	580.5	587.4	596.9
15°	527.2	538.2	551.7	565.1	575.1	585.0	587.7	590.5	591.0	591.6	597.8
17.5°	551.2	567.5	586.4	605.3	612.3	619.2	613.8	608.4	599.1	589.7	590.6
20°	570.3	591.8	616.6	641.2	641.9	642.6	628.1	613.5	595.3	577.0	571.7
22.5°	578.6	605.0	629.3	653.5	648.2	642.8	621.8	600.9	577.0	553.0	545.2
25°	569.5	595.2	615.1	635.1	625.1	615.0	592.5	569.9	547.8	525.6	517.0
27.5°	544.5	565.3	577.5	589.7	578.5	567.2	549.1	530.9	514.5	498.0	489.7
30°	505.8	520.7	528.8	536.8	527.8	518.8	506.6	494.3	482.4	470.5	464.0
32.5°	464.4	474.2	480.5	486.7	481.8	476.8	467.7	458.5	450.8	443.0	440.3
35°	430.2	439.0	444.2	449.4	445.6	441.8	434.3	427.0	421.9	416.8	419.0
37.5°	404.6	412.0	415.8	419.6	414.1	408.7	402.5	396.2	393.9	391.4	397.7
40°	383.2	390.3	391.1	391.7	385.0	378.2	372.3	366.2	366.5	366.7	375.8
42.5°	361.8	367.6	366.2	364.8	357.6	350.4	344.5	338.5	339.7	341.0	352.5
45°	343.0	348.3	344.9	341.6	333.7	325.9	320.6	315.5	317.4	319.2	331.0
47.5°	328.1	331.7	328.1	324.6	315.8	307.1	301.7	296.3	297.5	298.6	308.8
50°	319.0	319.6	313.2	306.7	299.8	293.0	287.1	281.2	279.7	278.3	286.7
52.5°	311.5	310.5	303.6	296.7	289.7	282.6	277.1	271.7	267.4	262.9	269.2
55°	302.4	301.0	294.7	288.2	281.6	275.0	268.5	262.0	255.7	249.5	256.5
57.5°	293.0	291.8	284.4	276.9	270.3	263.7	256.6	249.5	243.3	237.0	246.8
60°	279.4	277.8	270.3	262.7	255.9	249.0	241.8	234.6	230.5	226.3	238.6
62.5°	257.2	255.0	247.7	240.5	234.8	229.2	221.0	212.8	212.4	211.9	227.9
65°	*232.0*	*229.8*	*223.6*	*217.4*	*212.8*	*208.4*	*200.5*	*192.8*	*194.7*	*196.6*	*213.8*
67.5°	205.6	203.2	198.9	194.7	191.0	187.3	180.1	172.9	176.8	180.7	196.0
70°	183.0	181.6	178.2	174.8	171.6	168.4	162.6	156.7	159.1	161.6	170.7
72.5°	161.2	160.5	157.3	154.0	151.3	148.6	144.1	139.7	141.4	143.2	145.2
75°	137.0	135.6	132.3	129.0	126.8	124.7	121.3	117.9	119.2	120.5	121.5
77.5°	107.9	107.5	104.8	102.1	100.1	98.1	95.0	91.9	93.4	94.7	97.2
80°	77.7	77.7	75.5	73.2	72.6	71.8	69.6	67.3	68.4	69.5	72.6
82.5°	46.9	46.1	43.9	41.6	42.5	43.5	43.9	44.4	45.2	45.8	45.8
85°	17.9	17.2	17.4	17.5	17.9	18.1	19.7	21.0	22.1	23.2	23.1
87.5°	7.6	8.3	8.6	9.0	9.4	9.6	9.3	8.7	8.3	7.7	7.2
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: P1364215
CATALOG NUMBER: GSS-SB1A-735-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2
2.5°	611.0	615.7	621.1	626.5	631.8	637.3	642.8	648.3	653.8	659.7	665.8
5°	605.6	614.8	625.4	635.6	645.9	656.8	667.7	678.7	689.9	700.5	711.2
7.5°	604.6	615.7	629.9	643.5	657.0	672.1	687.2	704.2	721.1	739.0	757.0
10°	605.3	617.1	632.2	647.8	663.4	682.1	700.8	721.8	742.8	764.4	785.8
12.5°	606.5	618.1	634.6	651.7	668.9	689.8	710.7	734.2	757.7	779.1	800.5
15°	604.1	614.3	632.7	652.1	671.5	694.1	716.5	740.5	764.4	785.9	807.6
17.5°	591.4	600.1	621.7	644.2	666.7	692.4	718.1	743.6	769.1	789.2	809.4
20°	566.3	571.8	600.3	630.0	659.7	689.8	719.9	747.4	774.8	795.2	815.6
22.5°	537.3	542.5	576.5	613.7	651.0	687.8	724.7	754.7	784.9	803.5	822.2
25°	508.4	508.9	547.9	594.3	640.8	687.6	734.5	767.4	800.3	816.4	832.6
27.5°	481.5	479.1	519.0	574.5	629.9	689.4	749.0	785.9	823.0	835.3	847.7
30°	457.6	455.0	493.8	557.2	620.7	693.3	766.0	807.8	849.6	859.2	869.0
32.5°	437.6	437.6	473.3	542.1	611.0	697.6	784.4	833.6	882.9	888.9	895.0
35°	421.3	427.2	454.8	524.9	594.9	696.6	798.4	861.0	923.8	931.4	938.9
37.5°	403.7	414.9	436.6	505.8	575.1	693.7	812.3	894.5	976.7	985.7	994.7
40°	384.8	398.8	416.0	483.0	550.0	687.1	824.1	932.8	1041.5	1059.2	1076.9
42.5°	364.0	381.3	393.3	455.9	518.4	675.6	832.8	975.1	1117.3	1154.8	1192.2
45°	342.9	360.1	370.9	428.3	485.8	667.8	849.8	1032.6	1215.3	1275.4	1335.4
47.5°	319.0	335.0	347.6	400.9	454.4	658.6	862.8	1091.6	1320.4	1396.4	1472.4
50°	295.0	310.9	328.1	376.5	424.8	643.0	861.1	1143.1	1425.2	1528.2	1631.2
52.5°	275.5	292.5	314.5	354.6	394.8	611.1	827.4	1167.5	1507.6	1671.2	1834.8
55°	263.5	283.5	305.4	336.3	366.9	568.7	770.4	1161.1	1551.8	1815.0	2078.2
57.5°	256.6	281.2	299.6	320.8	341.9	524.4	706.9	1126.0	1545.2	1935.7	2326.3
60°	250.9	275.5	289.9	304.8	319.6	468.4	617.1	1042.0	1466.9	1989.7	2512.4
62.5°	244.0	267.5	273.6	281.8	290.1	397.3	504.5	904.3	1304.2	1869.8	2435.4
65°	*231.1*	*250.4*	*252.1*	*253.8*	*255.6*	*312.2*	*368.8*	*709.4*	*1050.0*	*1612.7*	*2175.5*
67.5°	211.2	224.5	221.9	216.9	211.9	238.7	265.6	552.0	838.5	1385.1	1931.7
70°	179.8	186.2	186.9	179.5	172.0	181.5	190.9	423.0	655.1	1176.7	1698.3
72.5°	147.2	143.2	150.7	145.1	139.4	139.5	139.7	318.0	496.3	977.1	1457.8
75°	122.7	120.0	117.0	110.2	103.5	104.1	104.7	235.7	366.7	780.1	1193.6
77.5°	99.7	99.2	90.5	83.2	75.8	75.4	74.8	152.3	229.8	511.8	793.9
80°	75.6	76.1	63.8	56.1	48.4	48.0	47.4	84.2	121.0	293.4	465.9
82.5°	45.8	43.9	37.0	33.3	29.5	29.4	29.3	45.3	61.2	147.1	233.0
85°	22.9	21.7	18.0	15.5	13.0	12.4	11.8	14.4	17.0	35.0	52.9
87.5°	6.6	5.7	5.2	4.7	4.3	4.0	3.8	3.9	4.0	4.2	4.3
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

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REPORT NUMBER: P1364215
CATALOG NUMBER: GSS-SB1A-735-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	*616.2*	616.2	616.2
2.5°	668.2	670.5	673.1	675.7	677.2	678.7	680.3	681.9	*683.3*	681.9	680.3
5°	721.8	732.4	739.6	746.8	752.3	757.7	760.9	764.1	*764.6*	764.1	760.9
7.5°	769.7	782.3	793.3	804.2	811.2	818.2	822.3	826.5	*827.9*	826.5	822.3
10°	800.7	815.6	826.2	836.9	843.4	849.8	853.0	856.2	*857.2*	856.2	853.0
12.5°	814.7	829.0	837.2	845.4	849.5	853.6	855.1	856.4	*855.3*	856.4	855.1
15°	816.0	824.3	827.8	831.2	829.2	827.1	824.2	821.3	*819.4*	821.3	824.2
17.5°	812.4	815.4	809.1	802.8	791.5	780.1	771.6	763.1	*757.0*	763.1	771.6
20°	810.9	806.1	789.3	772.6	751.3	730.1	715.8	701.4	*692.7*	701.4	715.8
22.5°	808.9	795.6	767.3	739.0	709.9	680.9	664.5	648.1	*638.9*	648.1	664.5
25°	809.7	786.8	748.6	710.5	676.3	642.2	624.3	606.5	*596.3*	606.5	624.3
27.5°	812.8	777.8	730.5	683.3	646.2	609.1	592.1	575.1	*566.1*	575.1	592.1
30°	822.6	776.1	719.6	663.0	624.2	585.5	568.8	552.1	*542.5*	552.1	568.8
32.5°	836.4	777.8	714.5	651.1	611.6	572.2	556.3	540.4	*532.1*	540.4	556.3
35°	864.7	790.5	720.3	650.2	613.5	577.0	565.2	553.6	*549.1*	553.6	565.2
37.5°	908.0	821.3	749.0	676.7	651.7	626.8	626.8	626.8	*630.4*	626.8	626.8
40°	979.6	882.2	813.8	745.5	744.0	742.6	758.5	774.5	*781.6*	774.5	758.5
42.5°	1089.3	986.5	931.3	876.1	909.1	942.2	988.2	1034.1	*1064.1*	1034.1	988.2
45°	1235.2	1135.0	1096.5	1058.0	1131.6	1205.1	1286.3	1367.5	*1425.2*	1367.5	1286.3
47.5°	1388.1	1303.7	1281.7	1259.8	1382.2	1504.5	1623.5	1742.5	*1812.6*	1742.5	1623.5
50°	1555.4	1479.5	1475.2	1471.0	1634.0	1797.0	1950.6	2104.2	*2189.7*	2104.2	1950.6
52.5°	1751.6	1668.2	1671.6	1674.8	1868.5	2062.1	2247.8	2433.5	*2529.9*	2433.5	2247.8
55°	1973.8	1869.3	1868.8	1868.2	2090.7	2313.3	2541.5	2769.8	*2898.5*	2769.8	2541.5
57.5°	2228.5	2130.6	2107.4	2084.0	2316.7	2549.3	2801.3	3053.3	*3188.6*	3053.3	2801.3
60°	2458.6	2404.7	2367.5	2330.3	2569.2	2808.2	3068.5	3328.7	*3463.6*	3328.7	3068.5
62.5°	2531.7	2628.0	2625.3	2622.5	2880.4	3138.4	3409.0	3679.9	*3801.0*	3679.9	3409.0
65°	*2329.1*	*2482.7*	*2588.3*	*2693.9*	*3005.7*	*3317.4*	*3599.4*	*3881.4*	*4005.2*	*3881.4*	*3599.4*
67.5°	2067.0	2202.5	2288.9	2375.4	2726.7	3078.1	3398.1	3718.1	*3845.5*	3718.1	3398.1
70°	1848.2	1998.0	2059.9	2121.7	2420.1	2718.5	2971.6	3224.7	*3274.6*	3224.7	2971.6
72.5°	1636.0	1814.3	1840.5	1866.7	2083.9	2301.0	2435.9	2570.8	*2461.9*	2570.8	2435.9
75°	1394.7	1595.7	1613.2	1630.7	1698.4	1766.1	1800.4	1834.8	*1772.9*	1834.8	1800.4
77.5°	967.9	1142.1	1181.3	1220.5	1265.6	1310.8	1308.4	1306.1	*1219.1*	1306.1	1308.4
80°	602.1	738.3	743.4	748.5	782.3	816.1	850.6	885.0	*829.8*	885.0	850.6
82.5°	307.7	382.6	394.1	405.6	426.3	447.0	456.7	466.4	*419.6*	466.4	456.7
85°	72.4	91.9	110.7	129.5	151.2	172.9	170.5	168.0	*141.8*	168.0	170.5
87.5°	4.3	4.5	4.6	4.7	4.8	4.9	5.2	5.5	*5.7*	5.5	5.2
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
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364215
CATALOG NUMBER: GSS-SB1A-735-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	616.2	616.2	616.2	616.2	616.2	616.2	616.2
2.5°	678.7	677.2	675.7	673.1	670.5	668.2	665.8
5°	757.7	752.3	746.8	739.6	732.4	721.8	711.2
7.5°	818.2	811.2	804.2	793.3	782.3	769.7	757.0
10°	849.8	843.4	836.9	826.2	815.6	800.7	785.8
12.5°	853.6	849.5	845.4	837.2	829.0	814.7	800.5
15°	827.1	829.2	831.2	827.8	824.3	816.0	807.6
17.5°	780.1	791.5	802.8	809.1	815.4	812.4	809.4
20°	730.1	751.3	772.6	789.3	806.1	810.9	815.6
22.5°	680.9	709.9	739.0	767.3	795.6	808.9	822.2
25°	642.2	676.3	710.5	748.6	786.8	809.7	832.6
27.5°	609.1	646.2	683.3	730.5	777.8	812.8	847.7
30°	585.5	624.2	663.0	719.6	776.1	822.6	869.0
32.5°	572.2	611.6	651.1	714.5	777.8	836.4	895.0
35°	577.0	613.5	650.2	720.3	790.5	864.7	938.9
37.5°	626.8	651.7	676.7	749.0	821.3	908.0	994.7
40°	742.6	744.0	745.5	813.8	882.2	979.6	1076.9
42.5°	942.2	909.1	876.1	931.3	986.5	1089.3	1192.2
45°	1205.1	1131.6	1058.0	1096.5	1135.0	1235.2	1335.4
47.5°	1504.5	1382.2	1259.8	1281.7	1303.7	1388.1	1472.4
50°	1797.0	1634.0	1471.0	1475.2	1479.5	1555.4	1631.2
52.5°	2062.1	1868.5	1674.8	1671.6	1668.2	1751.6	1834.8
55°	2313.3	2090.7	1868.2	1868.8	1869.3	1973.8	2078.2
57.5°	2549.3	2316.7	2084.0	2107.4	2130.6	2228.5	2326.3
60°	2808.2	2569.2	2330.3	2367.5	2404.7	2458.6	2512.4
62.5°	3138.4	2880.4	2622.5	2625.3	2628.0	2531.7	2435.4
65°	*3317.4*	*3005.7*	*2693.9*	*2588.3*	*2482.7*	*2329.1*	*2175.5*
67.5°	3078.1	2726.7	2375.4	2288.9	2202.5	2067.0	1931.7
70°	2718.5	2420.1	2121.7	2059.9	1998.0	1848.2	1698.3
72.5°	2301.0	2083.9	1866.7	1840.5	1814.3	1636.0	1457.8
75°	1766.1	1698.4	1630.7	1613.2	1595.7	1394.7	1193.6
77.5°	1310.8	1265.6	1220.5	1181.3	1142.1	967.9	793.9
80°	816.1	782.3	748.5	743.4	738.3	602.1	465.9
82.5°	447.0	426.3	405.6	394.1	382.6	307.7	233.0
85°	172.9	151.2	129.5	110.7	91.9	72.4	52.9
87.5°	4.9	4.8	4.7	4.6	4.5	4.3	4.3
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

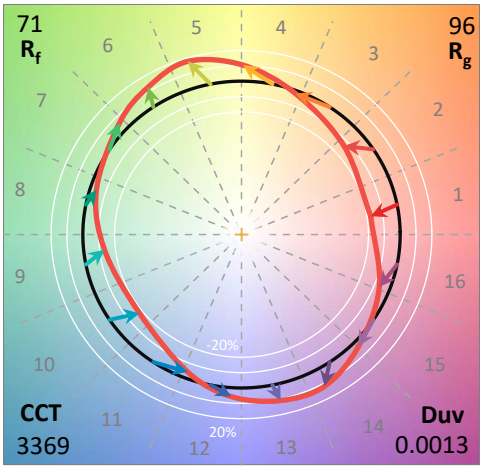
Test Information

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

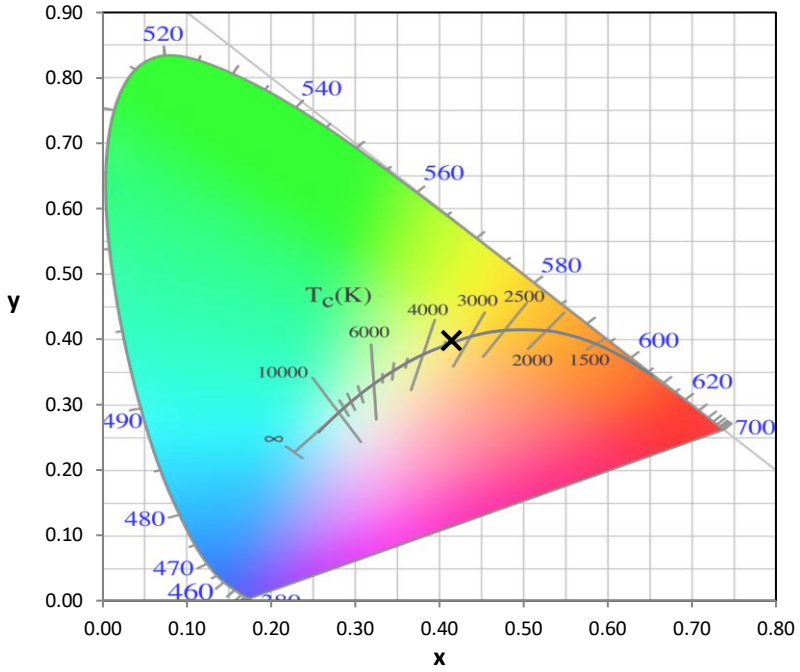
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

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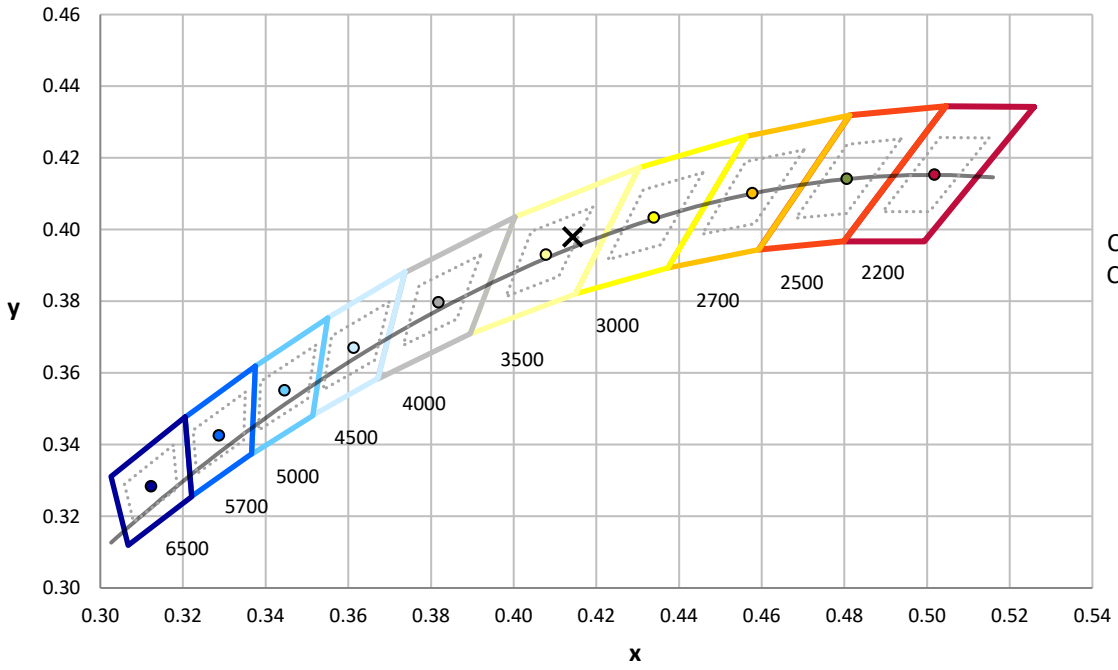
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

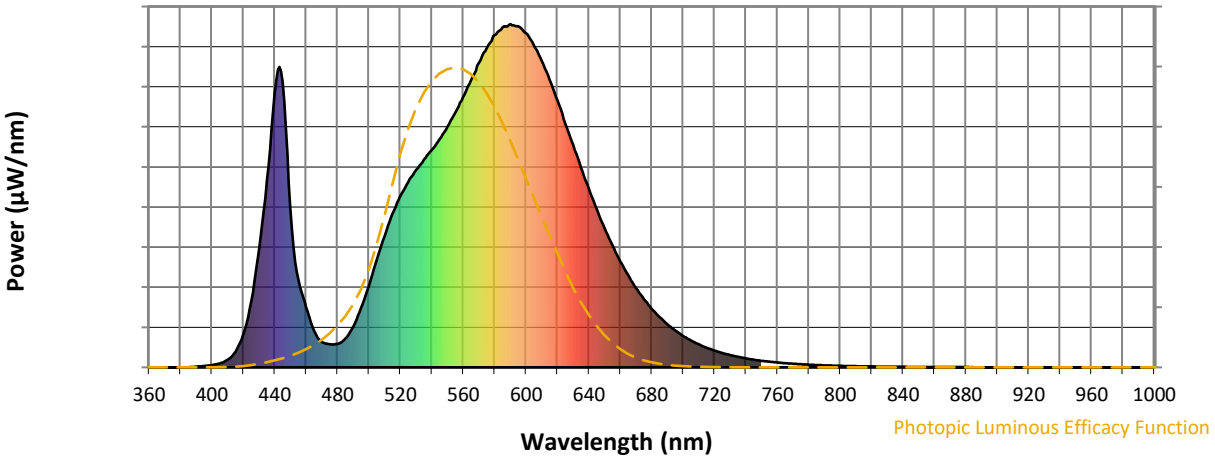


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

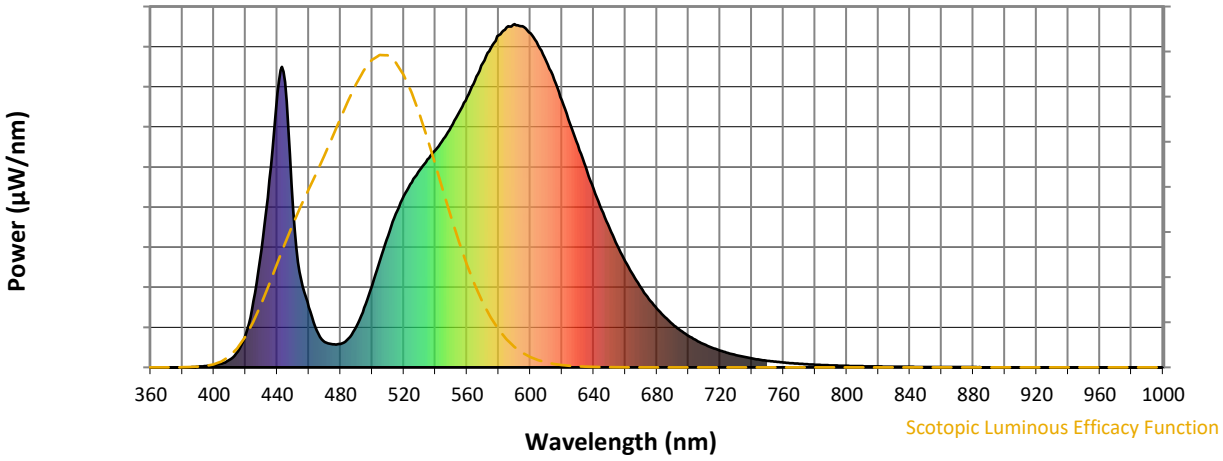


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength

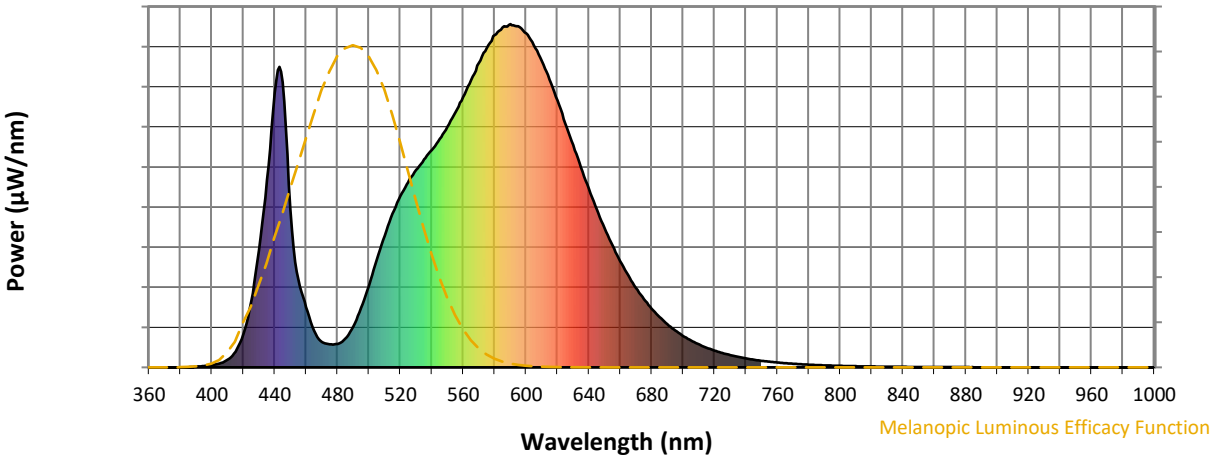


Scotopic Lumens: NR **S/P: 1.29**

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			

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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			

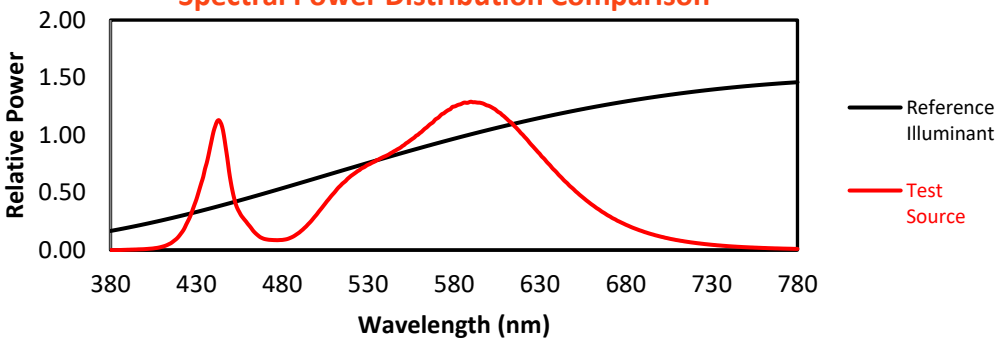
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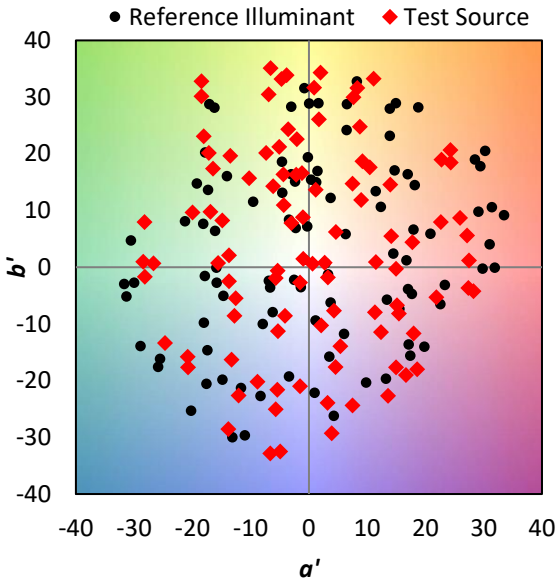
Summary

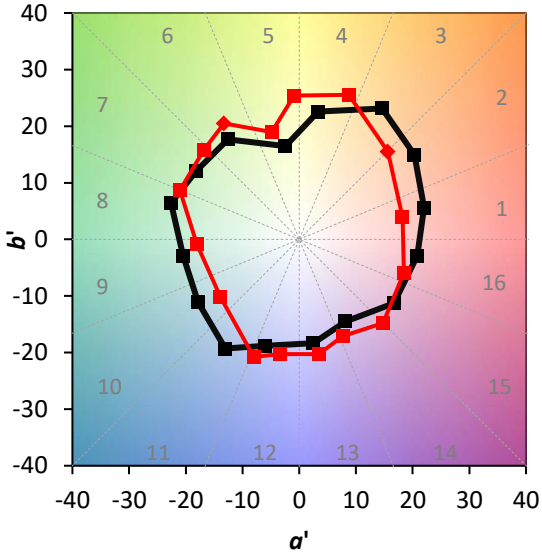
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

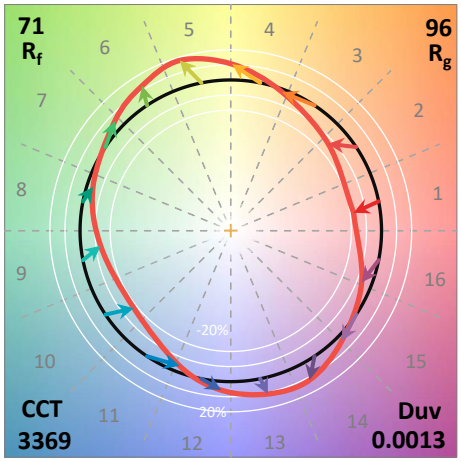
Spectral Power Distribution Comparison

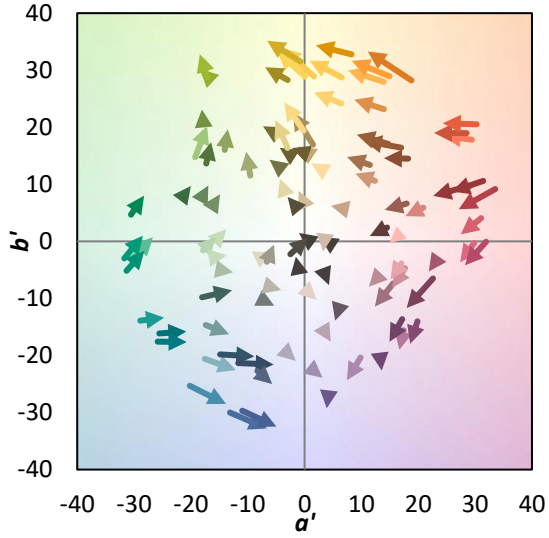


Color Vector Graphics







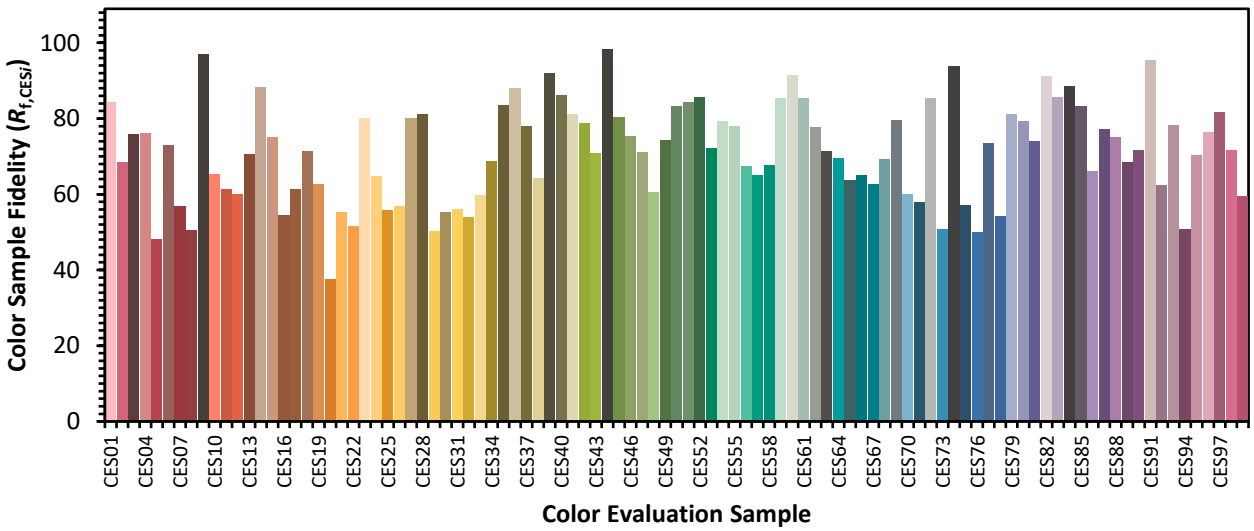


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Individual Sample Fidelity Index ($R_{f,i}$)

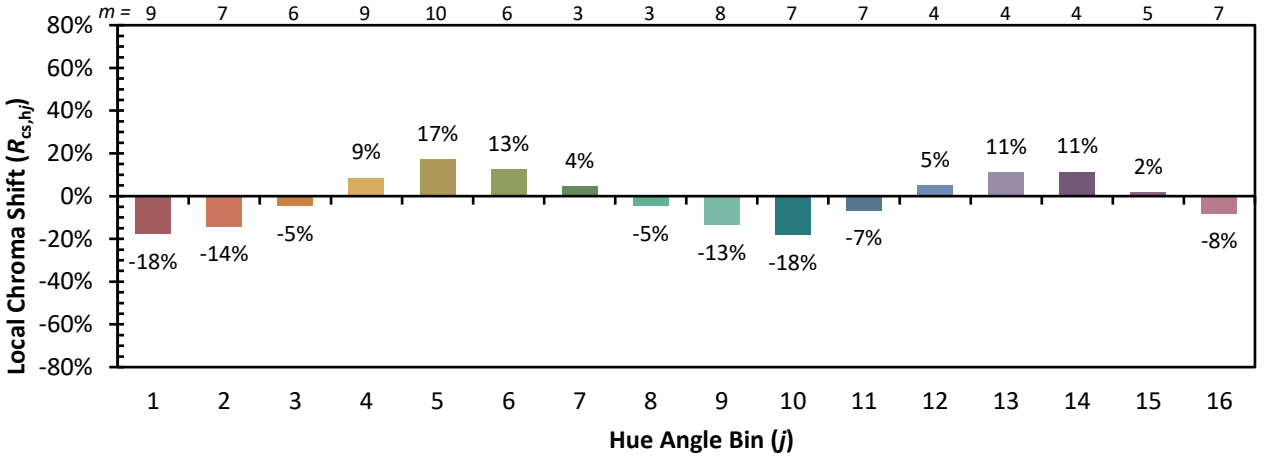
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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	

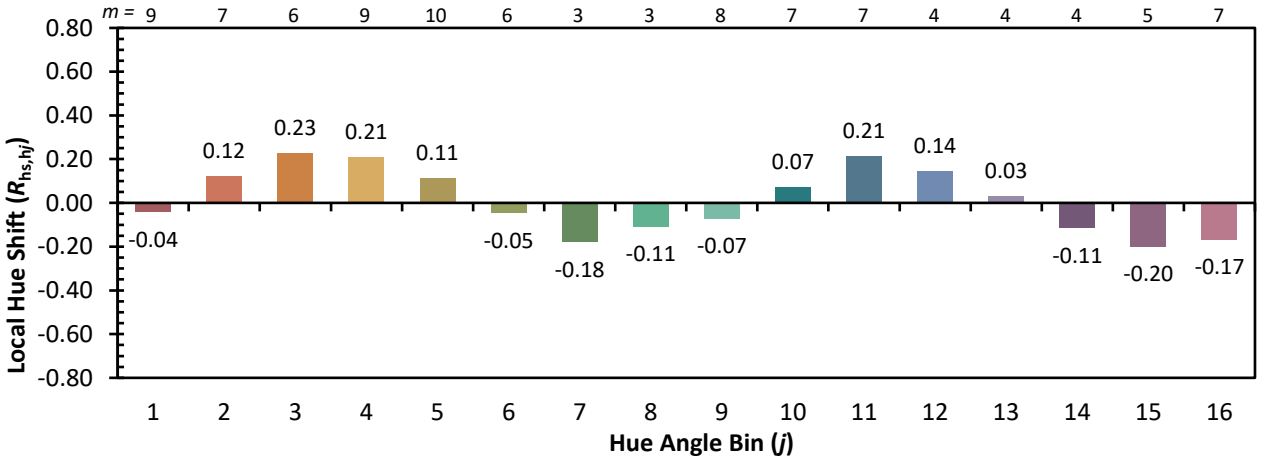


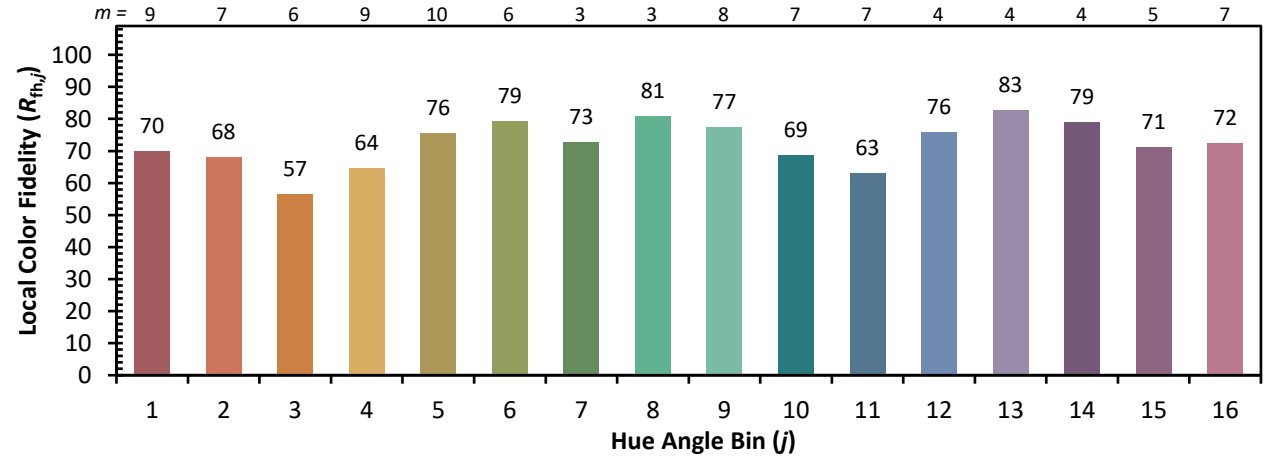
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Color Rendition by Hue-Angle Bin



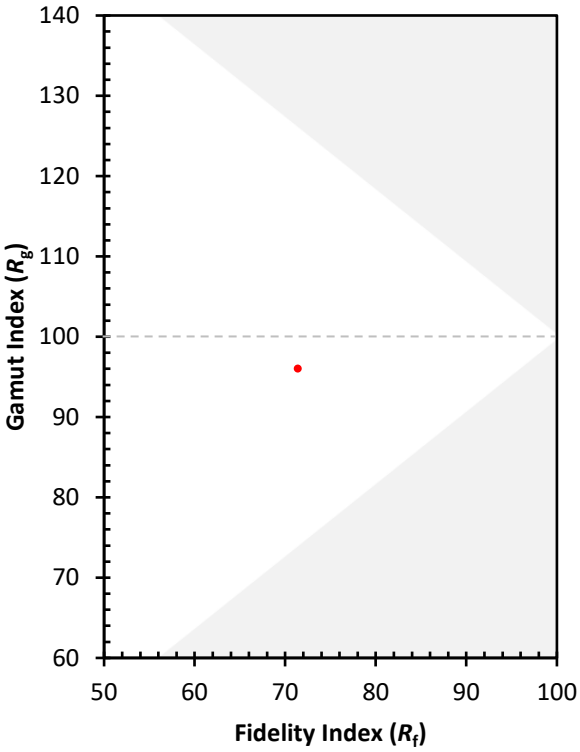


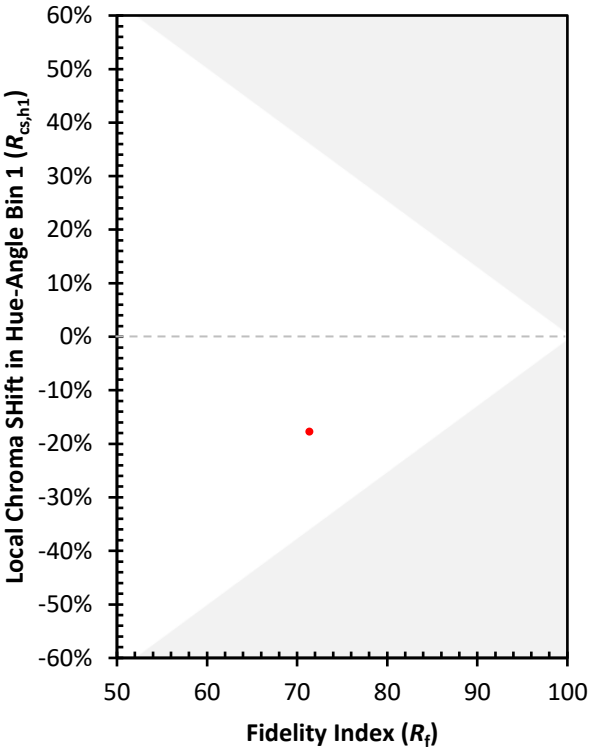


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Measure Comparisons





(END OF REPORT)