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: P1364168

Luminaire Tested: **GSS-SB1B-727-U-SLR**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364168
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-727-U-SLR
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC
Light Source:	(26) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4517.9 lumens
Efficiency:	N/A
Efficacy:	112.9 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

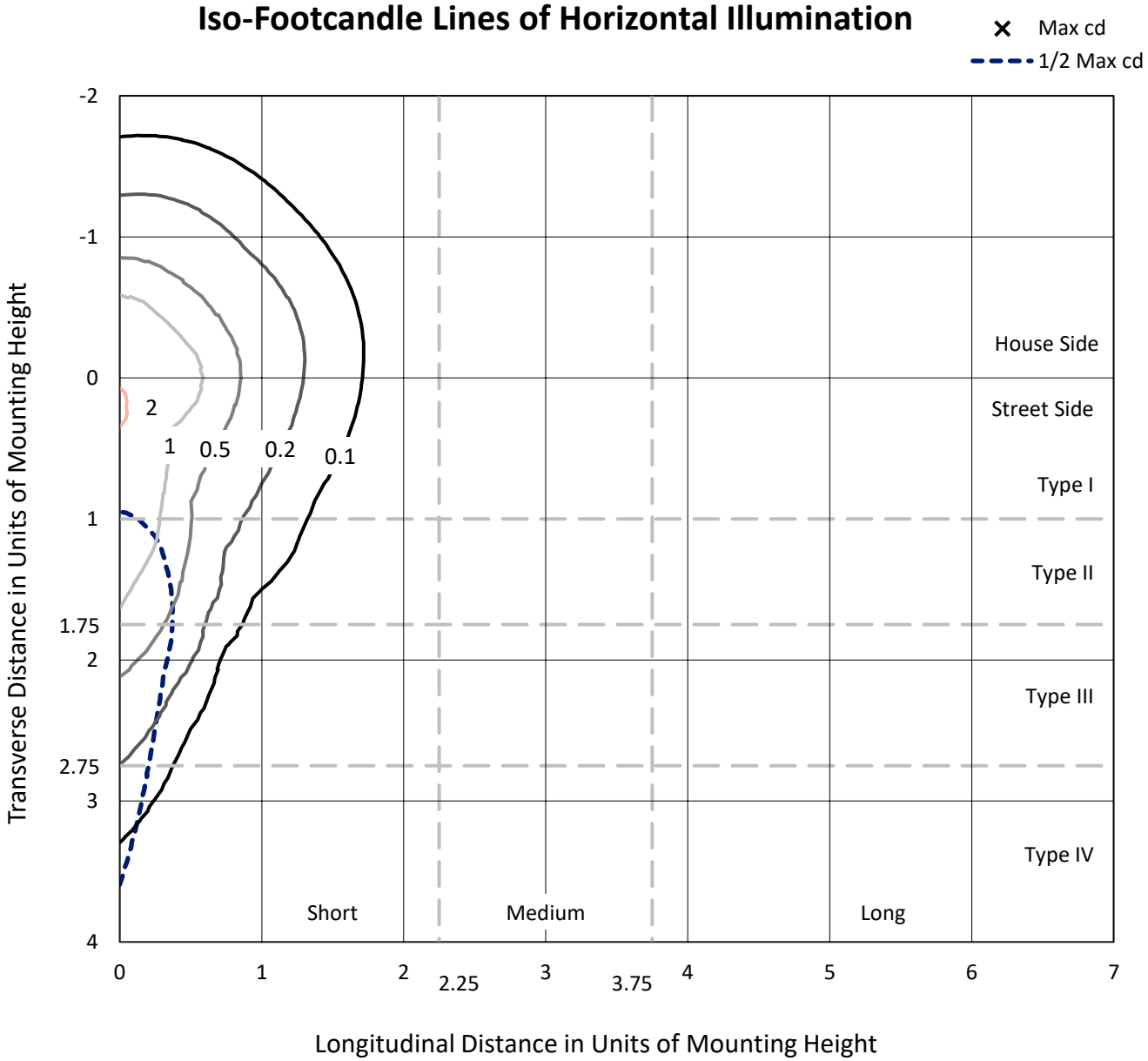
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



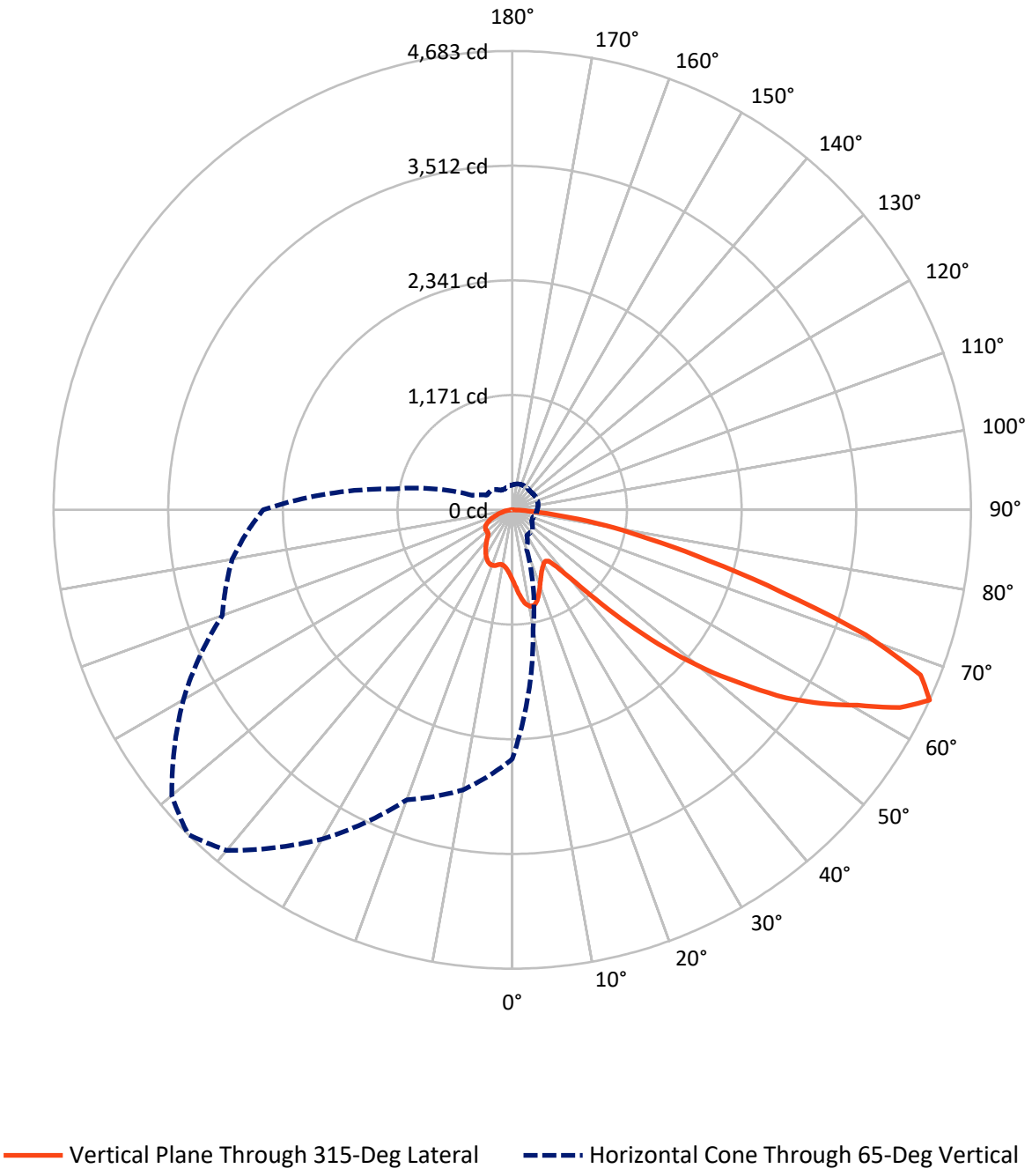
Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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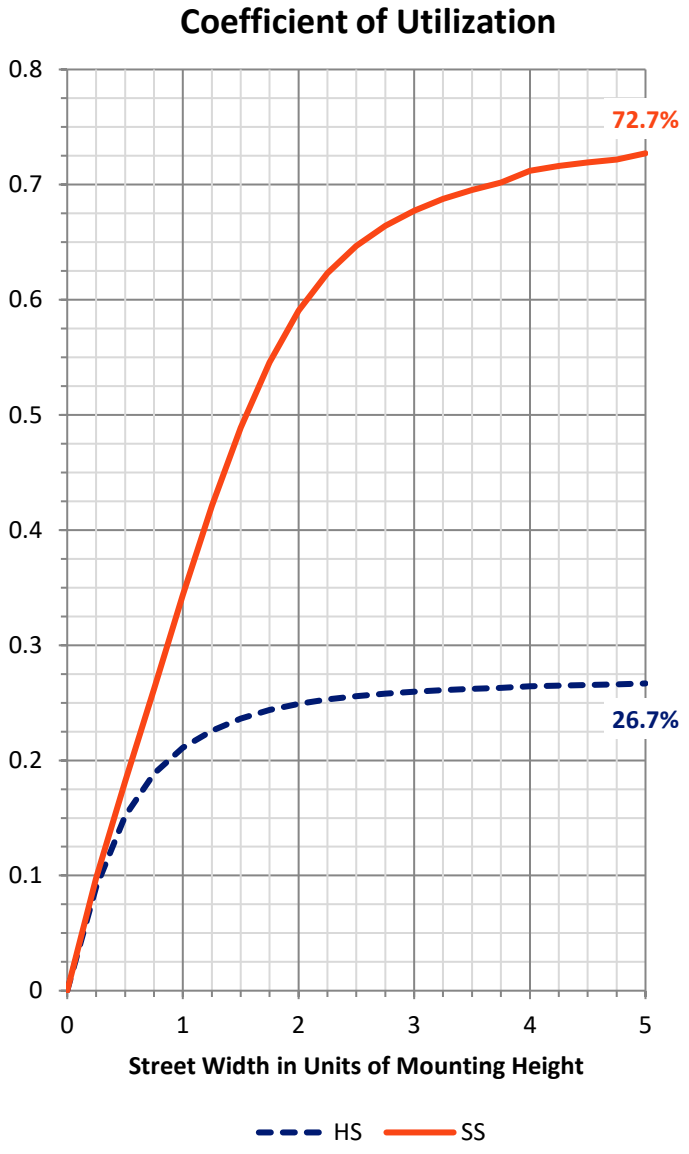
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1215.4	0.0	1215.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3302.5	0.0	3302.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	4517.9	0.0	4517.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	1.6
10°-20°	218.0	4.8
20°-30°	337.4	7.5
30°-40°	418.6	9.3
40°-50°	612.1	13.5
50°-60°	958.7	21.2
60°-70°	1137.6	25.2
70°-80°	663.5	14.7
80°-90°	100.9	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°	4517.9	100.0
0°-180°	4517.9	100.0



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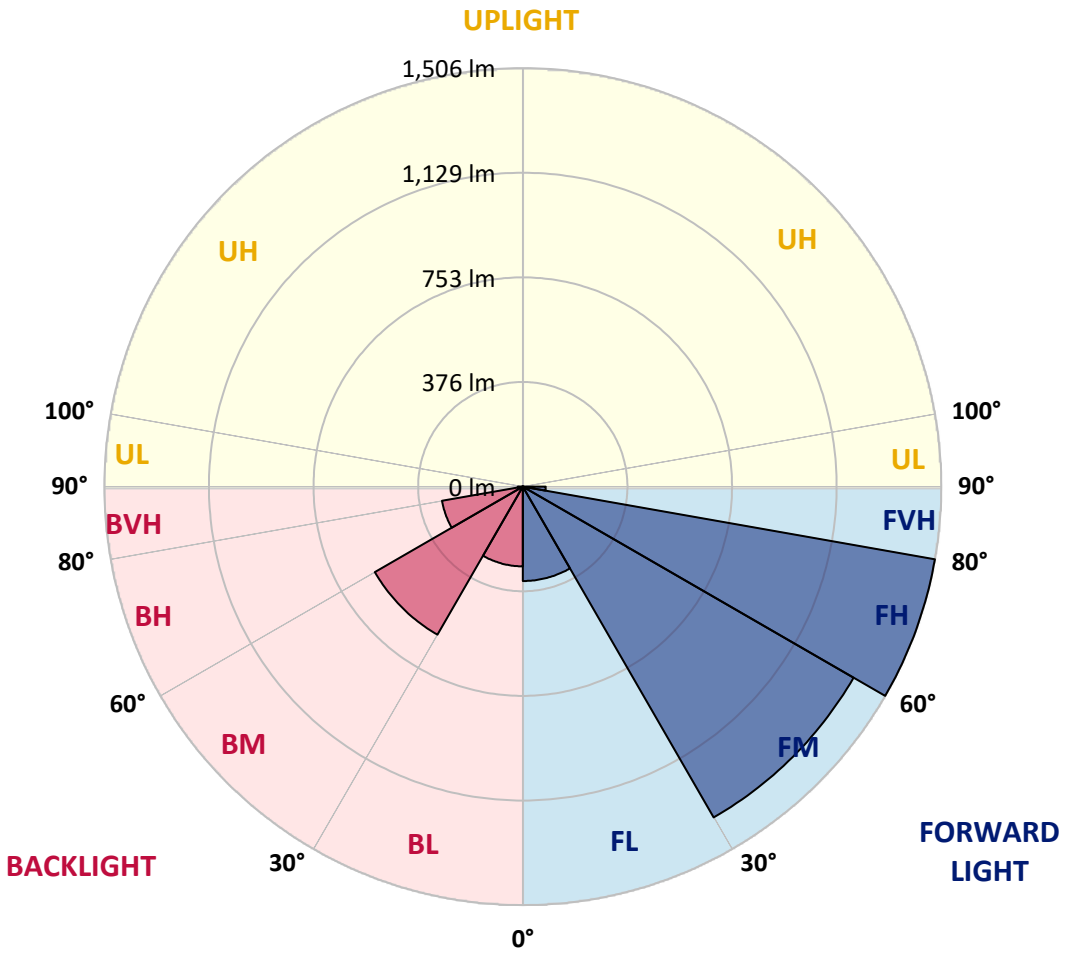
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	339.6	7.5			
FM	(30°-60°)	1374.4	30.4			
FH	(60°-80°)	1505.9	33.3			G1/1800
FVH	(80°-90°)	82.6	1.8			G1/100
BL	(0°-30°)	286.9	6.4	B1/500		
BM	(30°-60°)	614.9	13.6	B1/1000		
BH	(60°-80°)	295.2	6.5	B1/500		G1/500
BVH	(80°-90°)	18.4	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°	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4
2.5°	778.4	771.3	764.4	758.0	751.5	745.1	738.6	732.4	726.1	719.8	714.3
5°	831.4	818.9	806.6	793.5	780.6	767.9	755.2	743.1	731.2	718.7	708.0
7.5°	885.0	864.0	843.0	823.3	803.5	785.8	768.1	752.3	736.4	719.8	706.9
10°	918.7	893.6	868.4	843.9	819.3	797.5	775.6	757.4	739.2	721.5	707.7
12.5°	935.8	910.9	885.9	858.4	830.9	806.5	782.0	761.9	741.9	722.6	709.1
15°	944.1	918.8	893.6	865.7	837.7	811.4	785.0	762.4	739.7	718.2	706.2
17.5°	946.3	922.7	899.2	869.3	839.5	809.4	779.5	753.1	726.8	701.6	691.4
20°	953.5	929.7	905.8	873.7	841.7	806.5	771.2	736.5	701.8	668.5	662.0
22.5°	961.3	939.4	917.6	882.4	847.2	804.1	761.0	717.5	674.0	634.2	628.1
25°	973.4	954.5	935.6	897.2	858.7	803.9	749.1	694.9	640.6	595.0	594.4
27.5°	991.1	976.6	962.1	918.8	875.6	806.0	736.4	671.7	606.8	560.2	562.9
30°	1015.9	1004.6	993.3	944.5	895.5	810.5	725.7	651.4	577.3	532.0	535.0
32.5°	1046.3	1039.3	1032.2	974.6	917.1	815.6	714.3	633.8	553.3	511.6	511.6
35°	1097.7	1088.9	1080.0	1006.7	933.4	814.4	695.5	613.7	531.7	499.4	492.6
37.5°	1162.9	1152.4	1141.9	1045.8	949.7	811.0	672.3	591.3	510.5	485.0	472.0
40°	1259.0	1238.4	1217.6	1090.5	963.5	803.3	643.0	564.7	486.4	466.3	449.9
42.5°	1393.8	1350.1	1306.2	1140.0	973.6	789.9	606.0	533.0	459.9	445.8	425.6
45°	1561.2	1491.0	1420.9	1207.2	993.5	780.7	567.9	500.7	433.7	421.0	400.9
47.5°	1721.4	1632.6	1543.8	1276.3	1008.8	770.0	531.2	468.7	406.4	391.7	372.9
50°	1907.0	1786.6	1666.2	1336.5	1006.8	751.8	496.6	440.2	383.6	363.5	344.9
52.5°	2145.1	1953.9	1762.5	1365.0	967.3	714.4	461.6	414.6	367.7	342.0	322.1
55°	2429.7	2121.9	1814.2	1357.5	900.7	664.9	428.9	393.1	357.1	331.5	308.0
57.5°	2719.7	2263.0	1806.5	1316.5	826.5	613.1	399.7	375.0	350.2	328.7	300.0
60°	2937.3	2326.2	1715.0	1218.3	721.5	547.6	373.7	356.3	339.0	322.1	293.3
62.5°	2847.3	2186.0	1524.7	1057.3	589.8	464.5	339.2	329.5	319.9	312.7	285.3
65°	*2543.5*	*1885.5*	*1227.5*	*829.3*	*431.1*	*365.1*	*298.9*	*296.8*	*294.8*	*292.8*	*270.1*
67.5°	2258.4	1619.3	980.3	645.4	310.5	279.1	247.7	253.6	259.4	262.4	246.9
70°	1985.5	1375.7	765.9	494.5	223.2	212.1	201.1	209.8	218.5	217.7	210.1
72.5°	1704.3	1142.3	580.3	371.8	163.3	163.1	163.0	169.6	176.2	167.4	172.1
75°	1395.5	912.1	428.7	275.6	122.4	121.6	121.0	128.8	136.8	140.3	143.4
77.5°	928.1	598.4	268.7	178.1	87.5	88.2	88.6	97.2	105.8	116.0	116.6
80°	544.7	343.1	141.4	98.4	55.5	56.1	56.6	65.6	74.6	88.9	88.4
82.5°	272.4	171.9	71.6	52.9	34.3	34.4	34.5	38.9	43.3	51.4	53.6
85°	61.9	40.9	19.9	16.8	13.8	14.5	15.2	18.1	21.0	25.4	26.7
87.5°	5.0	4.9	4.6	4.5	4.4	4.6	5.0	5.5	6.1	6.6	7.7
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°	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4
2.5°	708.3	702.5	697.8	693.3	689.3	685.3	680.5	675.6	672.2	668.7	666.4
5°	697.4	687.0	678.4	669.8	662.7	655.4	649.0	642.5	637.4	632.2	628.0
7.5°	694.0	681.2	670.0	658.7	649.2	639.7	631.8	623.7	616.1	608.6	603.7
10°	694.1	680.6	669.1	657.6	647.6	637.5	627.0	616.5	608.1	599.7	592.4
12.5°	697.8	686.7	678.6	670.7	661.4	652.1	639.6	627.0	615.6	604.4	595.4
15°	699.0	691.7	691.0	690.3	687.1	683.9	672.3	660.7	645.0	629.2	616.4
17.5°	690.4	689.5	700.4	711.3	717.6	723.9	715.9	707.7	685.6	663.5	644.4
20°	668.3	674.5	696.0	717.3	734.3	751.3	750.4	749.7	720.8	691.9	666.8
22.5°	637.4	646.6	674.5	702.5	727.0	751.5	757.8	764.0	735.7	707.4	676.4
25°	604.5	614.5	640.4	666.2	692.7	719.1	730.8	742.5	719.2	695.9	665.8
27.5°	572.6	582.3	601.5	620.7	641.9	663.2	676.3	689.5	675.2	660.9	636.6
30°	542.5	550.0	563.9	577.9	592.2	606.6	617.1	627.6	618.2	608.8	591.3
32.5°	514.8	518.0	527.0	536.1	546.8	557.4	563.3	569.0	561.7	554.4	542.9
35°	489.9	487.3	493.2	499.2	507.8	516.5	521.0	525.4	519.3	513.2	502.9
37.5°	464.9	457.6	460.5	463.2	470.6	477.9	484.2	490.6	486.2	481.7	473.0
40°	439.3	428.7	428.5	428.1	435.2	442.2	450.1	458.0	457.2	456.3	448.0
42.5°	412.1	398.6	397.2	395.8	402.7	409.7	418.1	426.5	428.1	429.8	423.0
45°	386.9	373.2	371.0	368.8	374.8	381.0	390.1	399.4	403.3	407.2	401.0
47.5°	361.1	349.1	347.8	346.4	352.7	359.1	369.3	379.5	383.6	387.8	383.6
50°	335.2	325.4	327.0	328.7	335.7	342.5	350.5	358.5	366.2	373.7	372.9
52.5°	314.8	307.4	312.6	317.7	324.0	330.4	338.6	346.9	354.9	363.0	364.2
55°	299.9	291.7	299.0	306.3	313.9	321.5	329.3	337.0	344.5	351.9	353.6
57.5°	288.5	277.1	284.4	291.7	300.0	308.3	316.0	323.7	332.5	341.2	342.5
60°	279.0	264.6	269.5	274.2	282.7	291.1	299.2	307.2	316.0	324.8	326.6
62.5°	266.5	247.7	248.4	248.8	258.4	267.9	274.6	281.2	289.6	298.1	300.6
65°	*249.9*	*229.8*	*227.6*	*225.4*	*234.5*	*243.6*	*248.8*	*254.1*	*261.4*	*268.7*	*271.3*
67.5°	229.2	211.3	206.7	202.2	210.6	219.0	223.3	227.6	232.6	237.6	240.4
70°	199.5	188.9	186.1	183.2	190.0	196.9	200.6	204.4	208.4	212.4	213.9
72.5°	169.7	167.4	165.3	163.3	168.5	173.7	176.9	180.1	183.9	187.6	188.5
75°	142.1	140.9	139.3	137.9	141.9	145.8	148.3	150.8	154.7	158.6	160.2
77.5°	113.7	110.7	109.2	107.4	111.0	114.7	117.0	119.3	122.5	125.7	126.2
80°	84.9	81.2	80.0	78.7	81.3	84.0	84.9	85.6	88.3	90.8	90.8
82.5°	53.6	53.6	52.8	51.9	51.4	50.8	49.7	48.6	51.3	53.9	54.8
85°	27.0	27.1	25.9	24.5	23.0	21.2	20.9	20.4	20.3	20.1	20.9
87.5°	8.4	9.1	9.7	10.2	10.8	11.3	10.9	10.5	10.1	9.7	8.8
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4
2.5°	664.0	662.9	661.8	660.9	660.2	659.6	660.2	660.9	661.8	662.9	664.0
5°	623.7	621.9	620.1	618.8	617.6	616.5	617.6	618.8	620.1	621.9	623.7
7.5°	598.9	596.0	593.1	591.0	588.9	587.8	588.9	591.0	593.1	596.0	598.9
10°	585.4	581.3	577.3	575.1	572.9	571.2	572.9	575.1	577.3	581.3	585.4
12.5°	586.5	581.4	576.5	573.2	569.9	567.9	569.9	573.2	576.5	581.4	586.5
15°	603.5	596.4	589.1	585.0	581.0	577.9	581.0	585.0	589.1	596.4	603.5
17.5°	625.4	615.0	604.6	600.9	597.2	595.5	597.2	600.9	604.6	615.0	625.4
20°	641.7	627.8	614.1	608.6	603.0	601.1	603.0	608.6	614.1	627.8	641.7
22.5°	645.5	629.1	612.7	607.5	602.2	600.0	602.2	607.5	612.7	629.1	645.5
25°	635.9	618.6	601.3	596.0	590.6	588.9	590.6	596.0	601.3	618.6	635.9
27.5°	612.3	597.1	581.7	576.1	570.3	566.8	570.3	576.1	581.7	597.1	612.3
30°	574.0	562.6	551.3	547.8	544.2	542.5	544.2	547.8	551.3	562.6	574.0
32.5°	531.5	524.4	517.3	515.0	512.7	511.6	512.7	515.0	517.3	524.4	531.5
35°	492.8	487.7	482.6	480.7	479.0	477.3	479.0	480.7	482.6	487.7	492.8
37.5°	464.3	458.3	452.1	448.8	445.5	443.1	445.5	448.8	452.1	458.3	464.3
40°	439.7	431.1	422.6	418.1	413.4	411.0	413.4	418.1	422.6	431.1	439.7
42.5°	416.0	406.0	396.1	389.1	382.3	377.9	382.3	389.1	396.1	406.0	416.0
45°	394.7	383.5	372.3	364.1	355.8	350.2	355.8	364.1	372.3	383.5	394.7
47.5°	379.5	369.9	360.2	352.9	345.6	340.3	345.6	352.9	360.2	369.9	379.5
50°	372.1	364.5	356.9	350.0	343.1	338.1	343.1	350.0	356.9	364.5	372.1
52.5°	365.5	360.0	354.4	348.5	342.5	338.1	342.5	348.5	354.4	360.0	365.5
55°	355.2	351.2	347.2	342.7	338.3	334.8	338.3	342.7	347.2	351.2	355.2
57.5°	343.8	339.6	335.3	332.0	328.7	327.0	328.7	332.0	335.3	339.6	343.8
60°	328.4	325.1	321.7	318.7	315.4	312.7	315.4	318.7	321.7	325.1	328.4
62.5°	303.3	301.7	300.3	296.8	293.3	289.5	293.3	296.8	300.3	301.7	303.3
65°	*273.8*	*273.0*	*272.4*	*269.8*	*267.4*	*263.0*	*267.4*	*269.8*	*272.4*	*273.0*	*273.8*
67.5°	243.3	241.9	240.3	237.7	235.1	234.2	235.1	237.7	240.3	241.9	243.3
70°	215.5	213.2	211.0	205.1	199.1	192.3	199.1	205.1	211.0	213.2	215.5
72.5°	189.5	186.1	182.5	175.6	168.5	161.3	168.5	175.6	182.5	186.1	189.5
75°	161.9	157.0	152.3	144.9	137.6	132.6	137.6	144.9	152.3	157.0	161.9
77.5°	126.8	122.6	118.4	114.0	109.6	107.2	109.6	114.0	118.4	122.6	126.8
80°	90.8	87.7	84.5	82.3	80.1	78.4	80.1	82.3	84.5	87.7	90.8
82.5°	55.8	54.4	53.0	50.6	48.1	46.4	48.1	50.6	53.0	54.4	55.8
85°	21.5	21.2	21.0	20.1	19.3	18.8	19.3	20.1	21.0	21.2	21.5
87.5°	8.0	7.3	6.6	6.2	5.7	5.5	5.7	6.2	6.6	7.3	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1364168
CATALOG NUMBER: GSS-SB1B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4
2.5°	666.4	668.7	672.2	675.6	680.5	685.3	689.3	693.3	697.8	702.5	708.3
5°	628.0	632.2	637.4	642.5	649.0	655.4	662.7	669.8	678.4	687.0	697.4
7.5°	603.7	608.6	616.1	623.7	631.8	639.7	649.2	658.7	670.0	681.2	694.0
10°	592.4	599.7	608.1	616.5	627.0	637.5	647.6	657.6	669.1	680.6	694.1
12.5°	595.4	604.4	615.6	627.0	639.6	652.1	661.4	670.7	678.6	686.7	697.8
15°	616.4	629.2	645.0	660.7	672.3	683.9	687.1	690.3	691.0	691.7	699.0
17.5°	644.4	663.5	685.6	707.7	715.9	723.9	717.6	711.3	700.4	689.5	690.4
20°	666.8	691.9	720.8	749.7	750.4	751.3	734.3	717.3	696.0	674.5	668.3
22.5°	676.4	707.4	735.7	764.0	757.8	751.5	727.0	702.5	674.5	646.6	637.4
25°	665.8	695.9	719.2	742.5	730.8	719.1	692.7	666.2	640.4	614.5	604.5
27.5°	636.6	660.9	675.2	689.5	676.3	663.2	641.9	620.7	601.5	582.3	572.6
30°	591.3	608.8	618.2	627.6	617.1	606.6	592.2	577.9	563.9	550.0	542.5
32.5°	542.9	554.4	561.7	569.0	563.3	557.4	546.8	536.1	527.0	518.0	514.8
35°	502.9	513.2	519.3	525.4	521.0	516.5	507.8	499.2	493.2	487.3	489.9
37.5°	473.0	481.7	486.2	490.6	484.2	477.9	470.6	463.2	460.5	457.6	464.9
40°	448.0	456.3	457.2	458.0	450.1	442.2	435.2	428.1	428.5	428.7	439.3
42.5°	423.0	429.8	428.1	426.5	418.1	409.7	402.7	395.8	397.2	398.6	412.1
45°	401.0	407.2	403.3	399.4	390.1	381.0	374.8	368.8	371.0	373.2	386.9
47.5°	383.6	387.8	383.6	379.5	369.3	359.1	352.7	346.4	347.8	349.1	361.1
50°	372.9	373.7	366.2	358.5	350.5	342.5	335.7	328.7	327.0	325.4	335.2
52.5°	364.2	363.0	354.9	346.9	338.6	330.4	324.0	317.7	312.6	307.4	314.8
55°	353.6	351.9	344.5	337.0	329.3	321.5	313.9	306.3	299.0	291.7	299.9
57.5°	342.5	341.2	332.5	323.7	316.0	308.3	300.0	291.7	284.4	277.1	288.5
60°	326.6	324.8	316.0	307.2	299.2	291.1	282.7	274.2	269.5	264.6	279.0
62.5°	300.6	298.1	289.6	281.2	274.6	267.9	258.4	248.8	248.4	247.7	266.5
65°	*271.3*	*268.7*	*261.4*	*254.1*	*248.8*	*243.6*	*234.5*	*225.4*	*227.6*	*229.8*	*249.9*
67.5°	240.4	237.6	232.6	227.6	223.3	219.0	210.6	202.2	206.7	211.3	229.2
70°	213.9	212.4	208.4	204.4	200.6	196.9	190.0	183.2	186.1	188.9	199.5
72.5°	188.5	187.6	183.9	180.1	176.9	173.7	168.5	163.3	165.3	167.4	169.7
75°	160.2	158.6	154.7	150.8	148.3	145.8	141.9	137.9	139.3	140.9	142.1
77.5°	126.2	125.7	122.5	119.3	117.0	114.7	111.0	107.4	109.2	110.7	113.7
80°	90.8	90.8	88.3	85.6	84.9	84.0	81.3	78.7	80.0	81.2	84.9
82.5°	54.8	53.9	51.3	48.6	49.7	50.8	51.4	51.9	52.8	53.6	53.6
85°	20.9	20.1	20.3	20.4	20.9	21.2	23.0	24.5	25.9	27.1	27.0
87.5°	8.8	9.7	10.1	10.5	10.9	11.3	10.8	10.2	9.7	9.1	8.4
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: P1364168
CATALOG NUMBER: GSS-SB1B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4
2.5°	714.3	719.8	726.1	732.4	738.6	745.1	751.5	758.0	764.4	771.3	778.4
5°	708.0	718.7	731.2	743.1	755.2	767.9	780.6	793.5	806.6	818.9	831.4
7.5°	706.9	719.8	736.4	752.3	768.1	785.8	803.5	823.3	843.0	864.0	885.0
10°	707.7	721.5	739.2	757.4	775.6	797.5	819.3	843.9	868.4	893.6	918.7
12.5°	709.1	722.6	741.9	761.9	782.0	806.5	830.9	858.4	885.9	910.9	935.8
15°	706.2	718.2	739.7	762.4	785.0	811.4	837.7	865.7	893.6	918.8	944.1
17.5°	691.4	701.6	726.8	753.1	779.5	809.4	839.5	869.3	899.2	922.7	946.3
20°	662.0	668.5	701.8	736.5	771.2	806.5	841.7	873.7	905.8	929.7	953.5
22.5°	628.1	634.2	674.0	717.5	761.0	804.1	847.2	882.4	917.6	939.4	961.3
25°	594.4	595.0	640.6	694.9	749.1	803.9	858.7	897.2	935.6	954.5	973.4
27.5°	562.9	560.2	606.8	671.7	736.4	806.0	875.6	918.8	962.1	976.6	991.1
30°	535.0	532.0	577.3	651.4	725.7	810.5	895.5	944.5	993.3	1004.6	1015.9
32.5°	511.6	511.6	553.3	633.8	714.3	815.6	917.1	974.6	1032.2	1039.3	1046.3
35°	492.6	499.4	531.7	613.7	695.5	814.4	933.4	1006.7	1080.0	1088.9	1097.7
37.5°	472.0	485.0	510.5	591.3	672.3	811.0	949.7	1045.8	1141.9	1152.4	1162.9
40°	449.9	466.3	486.4	564.7	643.0	803.3	963.5	1090.5	1217.6	1238.4	1259.0
42.5°	425.6	445.8	459.9	533.0	606.0	789.9	973.6	1140.0	1306.2	1350.1	1393.8
45°	400.9	421.0	433.7	500.7	567.9	780.7	993.5	1207.2	1420.9	1491.0	1561.2
47.5°	372.9	391.7	406.4	468.7	531.2	770.0	1008.8	1276.3	1543.8	1632.6	1721.4
50°	344.9	363.5	383.6	440.2	496.6	751.8	1006.8	1336.5	1666.2	1786.6	1907.0
52.5°	322.1	342.0	367.7	414.6	461.6	714.4	967.3	1365.0	1762.5	1953.9	2145.1
55°	308.0	331.5	357.1	393.1	428.9	664.9	900.7	1357.5	1814.2	2121.9	2429.7
57.5°	300.0	328.7	350.2	375.0	399.7	613.1	826.5	1316.5	1806.5	2263.0	2719.7
60°	293.3	322.1	339.0	356.3	373.7	547.6	721.5	1218.3	1715.0	2326.2	2937.3
62.5°	285.3	312.7	319.9	329.5	339.2	464.5	589.8	1057.3	1524.7	2186.0	2847.3
65°	*270.1*	*292.8*	*294.8*	*296.8*	*298.9*	*365.1*	*431.1*	*829.3*	*1227.5*	*1885.5*	*2543.5*
67.5°	246.9	262.4	259.4	253.6	247.7	279.1	310.5	645.4	980.3	1619.3	2258.4
70°	210.1	217.7	218.5	209.8	201.1	212.1	223.2	494.5	765.9	1375.7	1985.5
72.5°	172.1	167.4	176.2	169.6	163.0	163.1	163.3	371.8	580.3	1142.3	1704.3
75°	143.4	140.3	136.8	128.8	121.0	121.6	122.4	275.6	428.7	912.1	1395.5
77.5°	116.6	116.0	105.8	97.2	88.6	88.2	87.5	178.1	268.7	598.4	928.1
80°	88.4	88.9	74.6	65.6	56.6	56.1	55.5	98.4	141.4	343.1	544.7
82.5°	53.6	51.4	43.3	38.9	34.5	34.4	34.3	52.9	71.6	171.9	272.4
85°	26.7	25.4	21.0	18.1	15.2	14.5	13.8	16.8	19.9	40.9	61.9
87.5°	7.7	6.6	6.1	5.5	5.0	4.6	4.4	4.5	4.6	4.9	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1364168
CATALOG NUMBER: GSS-SB1B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	720.4	720.4	720.4	720.4	720.4	720.4	720.4	720.4	*720.4*	720.4	720.4
2.5°	781.2	783.9	786.9	790.0	791.8	793.5	795.4	797.2	*798.8*	797.2	795.4
5°	843.9	856.3	864.7	873.1	879.5	885.9	889.5	893.3	*893.9*	893.3	889.5
7.5°	899.8	914.6	927.4	940.3	948.4	956.6	961.4	966.2	*967.9*	966.2	961.4
10°	936.1	953.5	965.9	978.4	986.0	993.5	997.3	1001.0	*1002.1*	1001.0	997.3
12.5°	952.5	969.2	978.8	988.3	993.2	997.9	999.7	1001.3	*999.9*	1001.3	999.7
15°	954.0	963.7	967.8	971.8	969.4	967.0	963.6	960.1	*957.9*	960.1	963.6
17.5°	949.8	953.3	945.9	938.6	925.3	912.1	902.1	892.2	*885.0*	892.2	902.1
20°	948.0	942.5	922.8	903.2	878.4	853.5	836.8	820.0	*809.9*	820.0	836.8
22.5°	945.7	930.1	897.1	864.0	830.0	796.1	776.8	757.7	*746.9*	757.7	776.8
25°	946.7	919.8	875.2	830.7	790.7	750.8	729.9	709.1	*697.2*	709.1	729.9
27.5°	950.2	909.3	854.1	798.8	755.5	712.1	692.2	672.3	*661.8*	672.3	692.2
30°	961.7	907.3	841.3	775.1	729.8	684.5	665.0	645.5	*634.2*	645.5	665.0
32.5°	977.8	909.3	835.3	761.3	715.1	669.0	650.3	631.8	*622.1*	631.8	650.3
35°	1011.0	924.2	842.1	760.2	717.3	674.5	660.8	647.2	*641.9*	647.2	660.8
37.5°	1061.6	960.1	875.6	791.1	761.9	732.8	732.8	732.8	*737.0*	732.8	732.8
40°	1145.2	1031.4	951.4	871.5	869.8	868.2	886.8	905.5	*913.7*	905.5	886.8
42.5°	1273.5	1153.3	1088.8	1024.2	1062.9	1101.6	1155.3	1209.0	*1244.1*	1209.0	1155.3
45°	1444.1	1327.0	1281.9	1236.9	1323.0	1409.0	1503.9	1598.8	*1666.2*	1598.8	1503.9
47.5°	1622.9	1524.2	1498.5	1472.8	1615.9	1759.0	1898.1	2037.2	*2119.2*	2037.2	1898.1
50°	1818.4	1729.7	1724.7	1719.8	1910.4	2100.9	2280.5	2460.0	*2560.0*	2460.0	2280.5
52.5°	2047.8	1950.4	1954.3	1958.1	2184.5	2410.9	2628.0	2845.1	*2957.8*	2845.1	2628.0
55°	2307.6	2185.5	2184.8	2184.1	2444.2	2704.5	2971.3	3238.2	*3388.7*	3238.2	2971.3
57.5°	2605.3	2491.0	2463.8	2436.5	2708.5	2980.4	3275.0	3569.7	*3727.9*	3569.7	3275.0
60°	2874.4	2811.4	2767.9	2724.4	3003.8	3283.2	3587.5	3891.6	*4049.4*	3891.6	3587.5
62.5°	2959.9	3072.5	3069.3	3066.1	3367.6	3669.1	3985.6	4302.2	*4443.9*	4302.2	3985.6
65°	*2723.0*	*2902.5*	*3026.1*	*3149.5*	*3514.0*	*3878.4*	*4208.1*	*4537.8*	*4682.5*	*4537.8*	*4208.1*
67.5°	2416.6	2574.9	2676.0	2777.1	3187.8	3598.6	3972.7	4346.9	*4495.8*	4346.9	3972.7
70°	2160.7	2336.0	2408.2	2480.5	2829.4	3178.2	3474.2	3770.1	*3828.4*	3770.1	3474.2
72.5°	1912.7	2121.2	2151.8	2182.4	2436.3	2690.2	2847.9	3005.5	*2878.2*	3005.5	2847.9
75°	1630.6	1865.6	1886.0	1906.5	1985.6	2064.8	2104.9	2145.1	*2072.8*	2145.1	2104.9
77.5°	1131.6	1335.3	1381.1	1427.0	1479.7	1532.5	1529.7	1527.0	*1425.3*	1527.0	1529.7
80°	703.9	863.1	869.1	875.1	914.6	954.1	994.4	1034.7	*970.1*	1034.7	994.4
82.5°	359.8	447.3	460.7	474.2	498.4	522.6	533.9	545.3	*490.6*	545.3	533.9
85°	84.6	107.4	129.4	151.4	176.8	202.2	199.3	196.4	*165.7*	196.4	199.3
87.5°	5.1	5.3	5.4	5.5	5.6	5.7	6.1	6.4	*6.6*	6.4	6.1
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: P1364168
CATALOG NUMBER: GSS-SB1B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	720.4	720.4	720.4	720.4	720.4	720.4	720.4
2.5°	793.5	791.8	790.0	786.9	783.9	781.2	778.4
5°	885.9	879.5	873.1	864.7	856.3	843.9	831.4
7.5°	956.6	948.4	940.3	927.4	914.6	899.8	885.0
10°	993.5	986.0	978.4	965.9	953.5	936.1	918.7
12.5°	997.9	993.2	988.3	978.8	969.2	952.5	935.8
15°	967.0	969.4	971.8	967.8	963.7	954.0	944.1
17.5°	912.1	925.3	938.6	945.9	953.3	949.8	946.3
20°	853.5	878.4	903.2	922.8	942.5	948.0	953.5
22.5°	796.1	830.0	864.0	897.1	930.1	945.7	961.3
25°	750.8	790.7	830.7	875.2	919.8	946.7	973.4
27.5°	712.1	755.5	798.8	854.1	909.3	950.2	991.1
30°	684.5	729.8	775.1	841.3	907.3	961.7	1015.9
32.5°	669.0	715.1	761.3	835.3	909.3	977.8	1046.3
35°	674.5	717.3	760.2	842.1	924.2	1011.0	1097.7
37.5°	732.8	761.9	791.1	875.6	960.1	1061.6	1162.9
40°	868.2	869.8	871.5	951.4	1031.4	1145.2	1259.0
42.5°	1101.6	1062.9	1024.2	1088.8	1153.3	1273.5	1393.8
45°	1409.0	1323.0	1236.9	1281.9	1327.0	1444.1	1561.2
47.5°	1759.0	1615.9	1472.8	1498.5	1524.2	1622.9	1721.4
50°	2100.9	1910.4	1719.8	1724.7	1729.7	1818.4	1907.0
52.5°	2410.9	2184.5	1958.1	1954.3	1950.4	2047.8	2145.1
55°	2704.5	2444.2	2184.1	2184.8	2185.5	2307.6	2429.7
57.5°	2980.4	2708.5	2436.5	2463.8	2491.0	2605.3	2719.7
60°	3283.2	3003.8	2724.4	2767.9	2811.4	2874.4	2937.3
62.5°	3669.1	3367.6	3066.1	3069.3	3072.5	2959.9	2847.3
65°	*3878.4*	*3514.0*	*3149.5*	*3026.1*	*2902.5*	*2723.0*	*2543.5*
67.5°	3598.6	3187.8	2777.1	2676.0	2574.9	2416.6	2258.4
70°	3178.2	2829.4	2480.5	2408.2	2336.0	2160.7	1985.5
72.5°	2690.2	2436.3	2182.4	2151.8	2121.2	1912.7	1704.3
75°	2064.8	1985.6	1906.5	1886.0	1865.6	1630.6	1395.5
77.5°	1532.5	1479.7	1427.0	1381.1	1335.3	1131.6	928.1
80°	954.1	914.6	875.1	869.1	863.1	703.9	544.7
82.5°	522.6	498.4	474.2	460.7	447.3	359.8	272.4
85°	202.2	176.8	151.4	129.4	107.4	84.6	61.9
87.5°	5.7	5.6	5.5	5.4	5.3	5.1	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

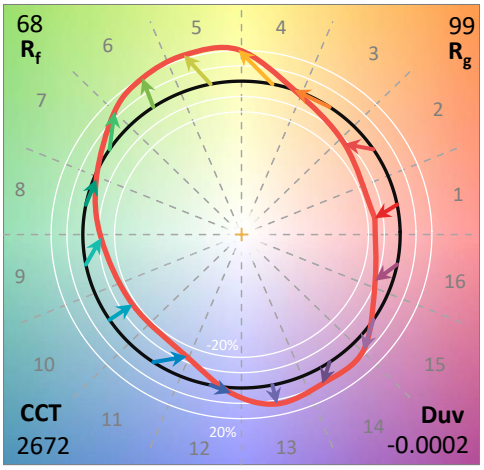
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



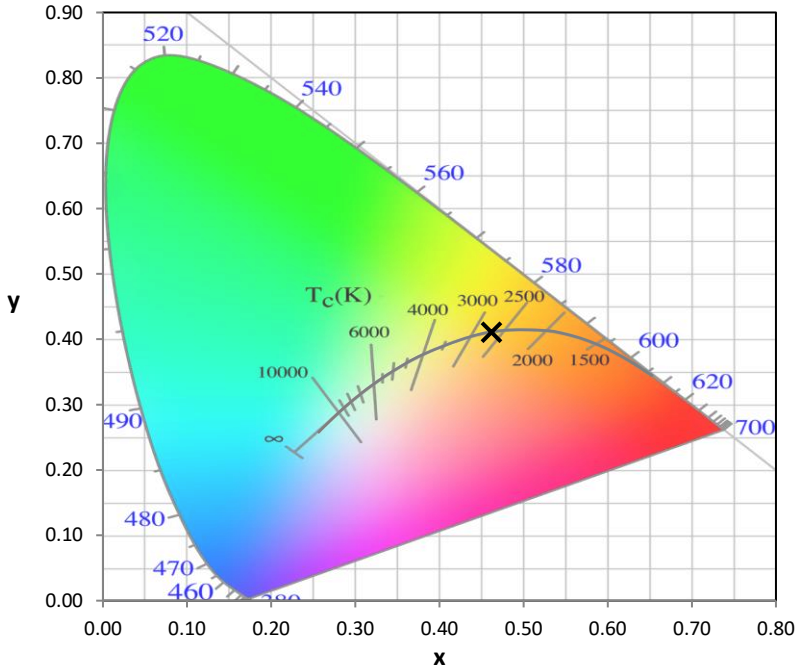
Test Conditions

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

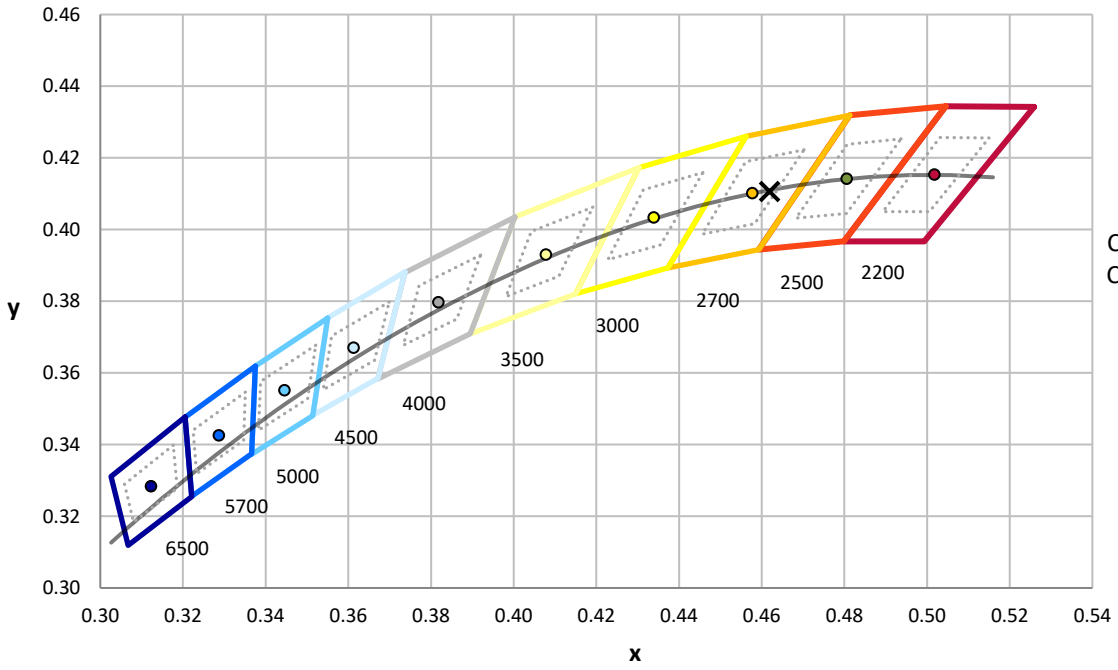
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

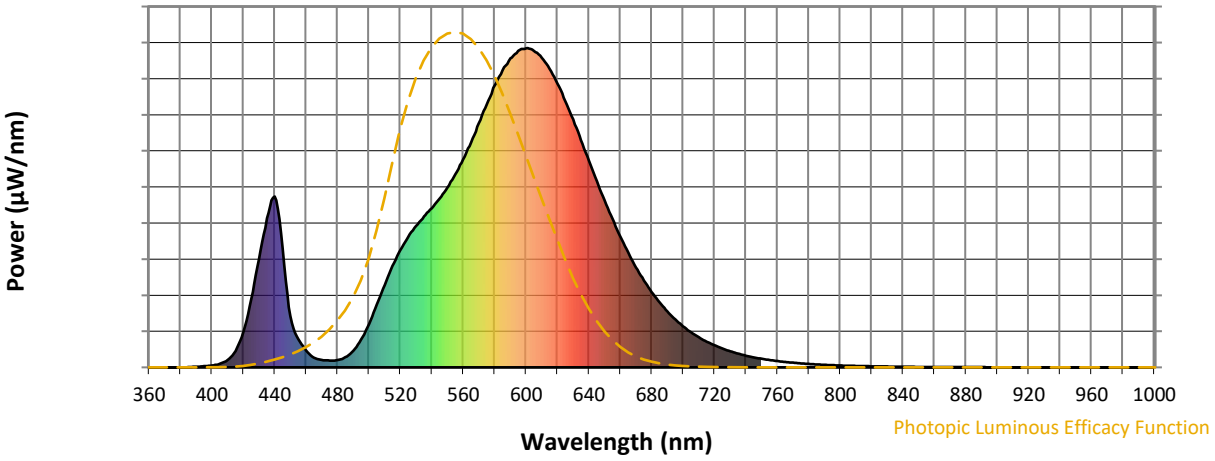


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

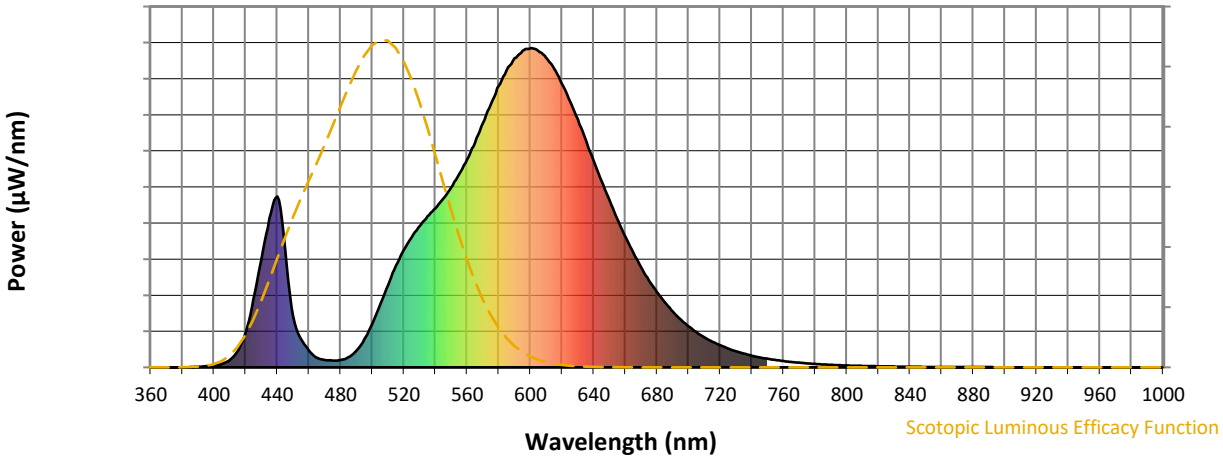


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

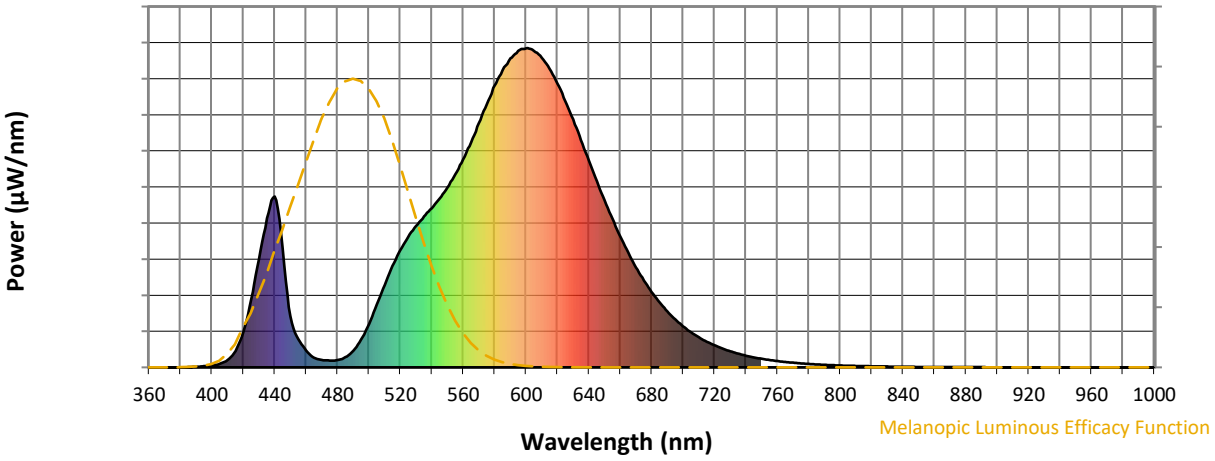


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

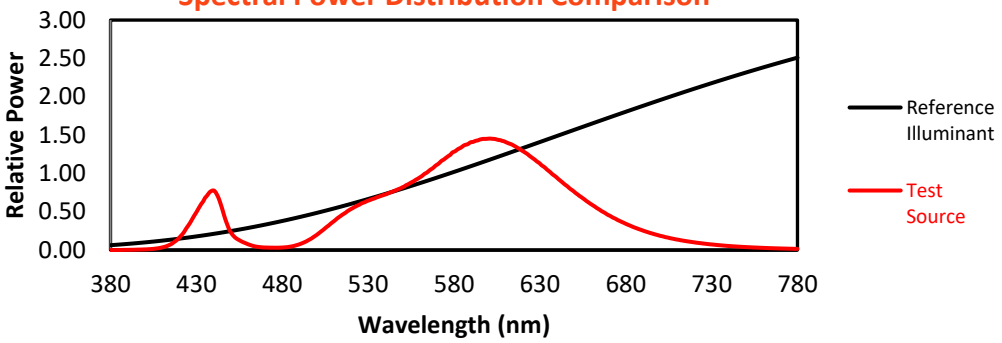
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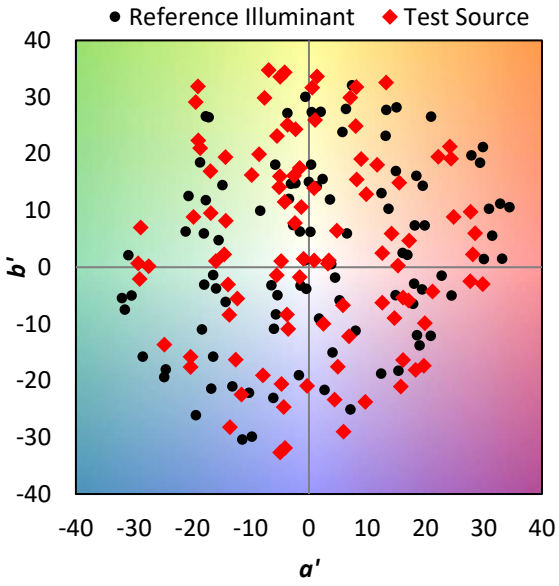
Summary

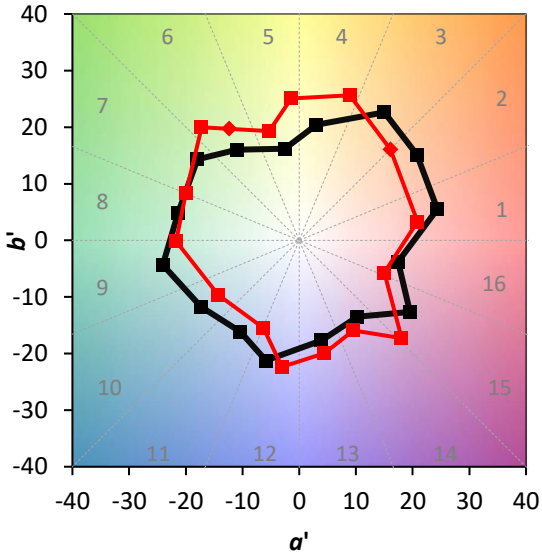
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

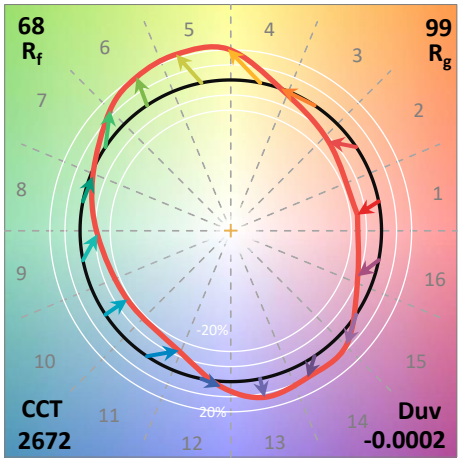
Spectral Power Distribution Comparison

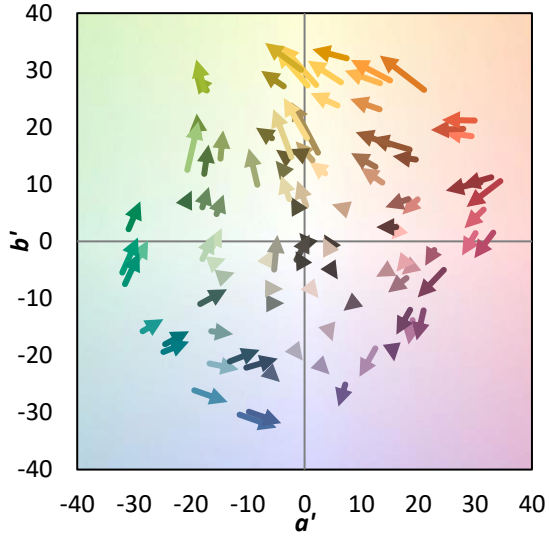


Color Vector Graphics







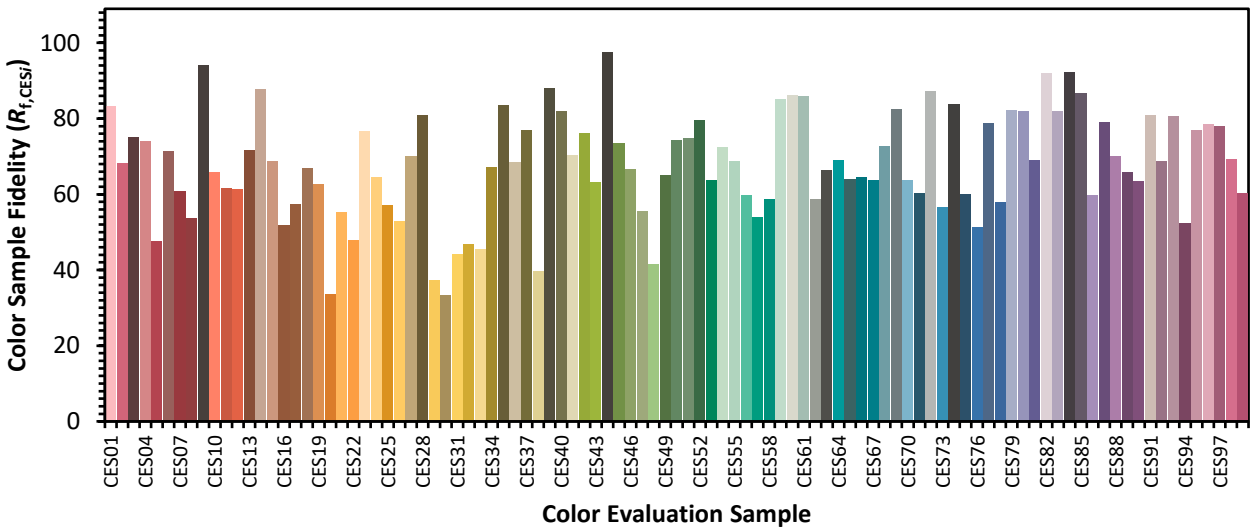


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Individual Sample Fidelity Index ($R_{f,i}$)

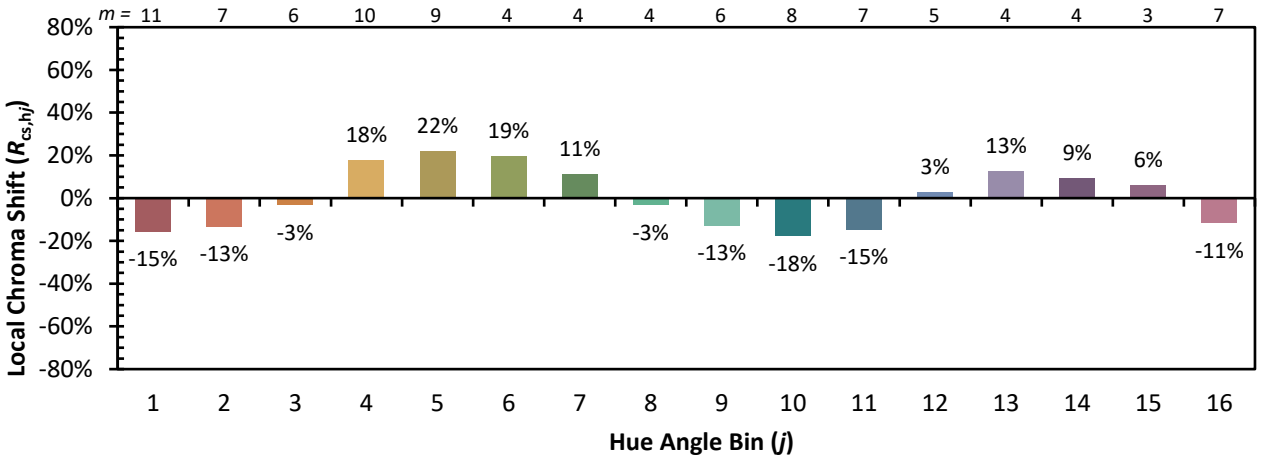
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

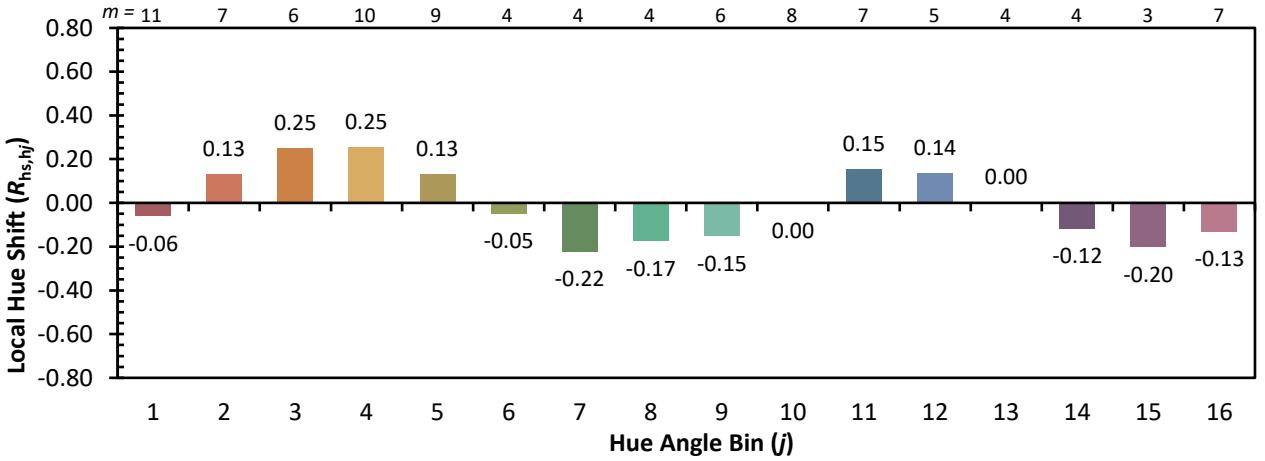


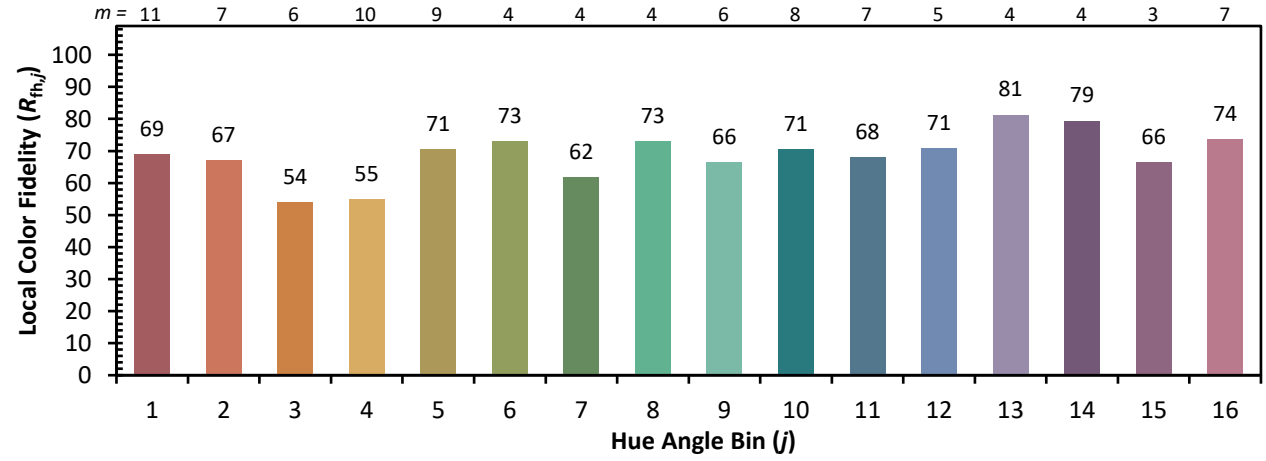
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Color Rendition by Hue-Angle Bin



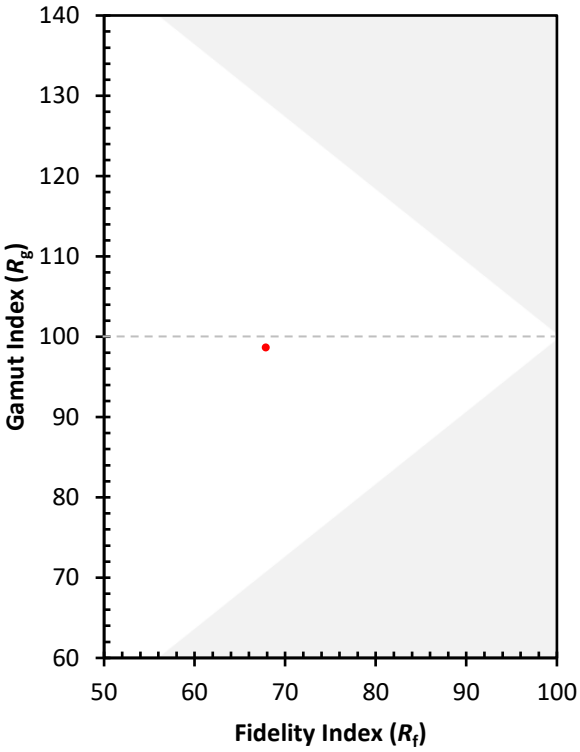


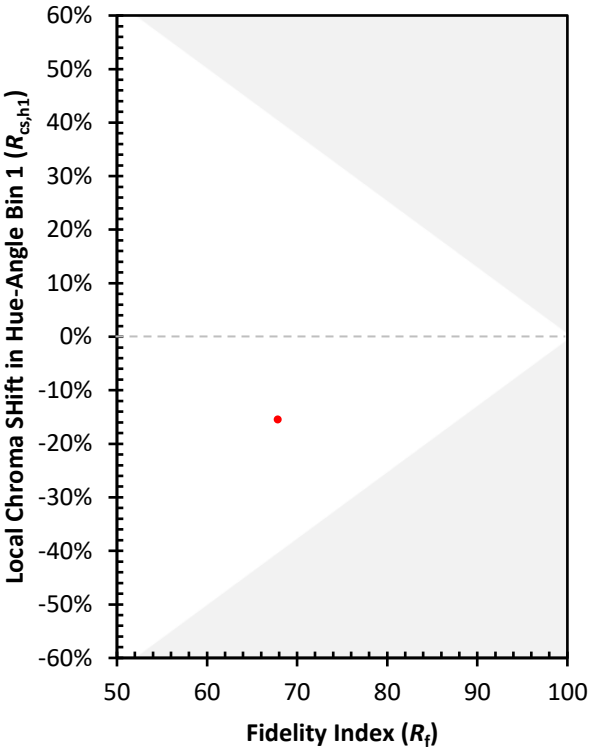


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Measure Comparisons





(END OF REPORT)