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: P1364167

Luminaire Tested: **GSS-SB1A-727-U-SLR**

Issue Date: 02/18/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364167
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-727-U-SLR
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 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:	3586.3 lumens
Efficiency:	N/A
Efficacy:	115.7 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

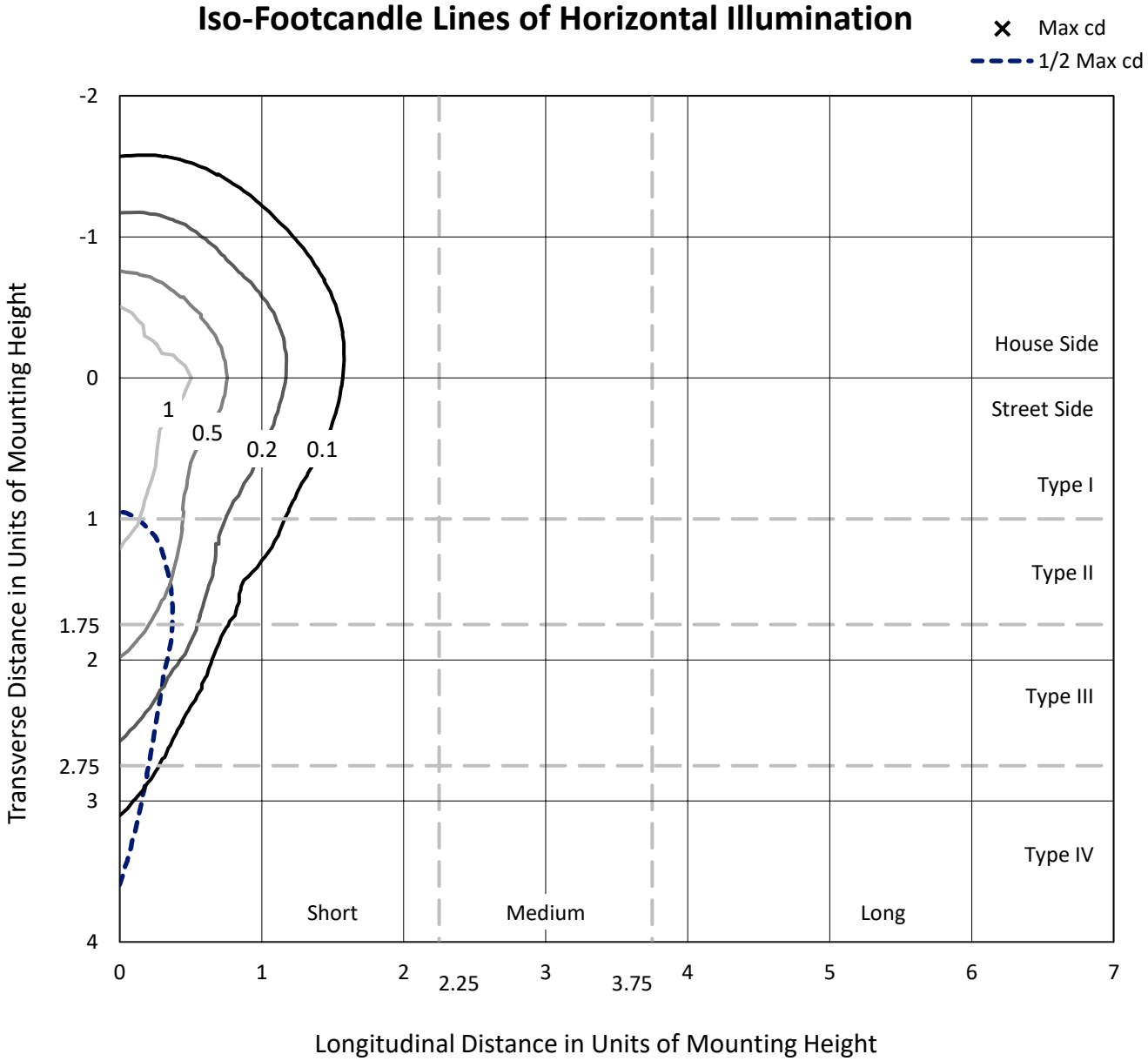
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



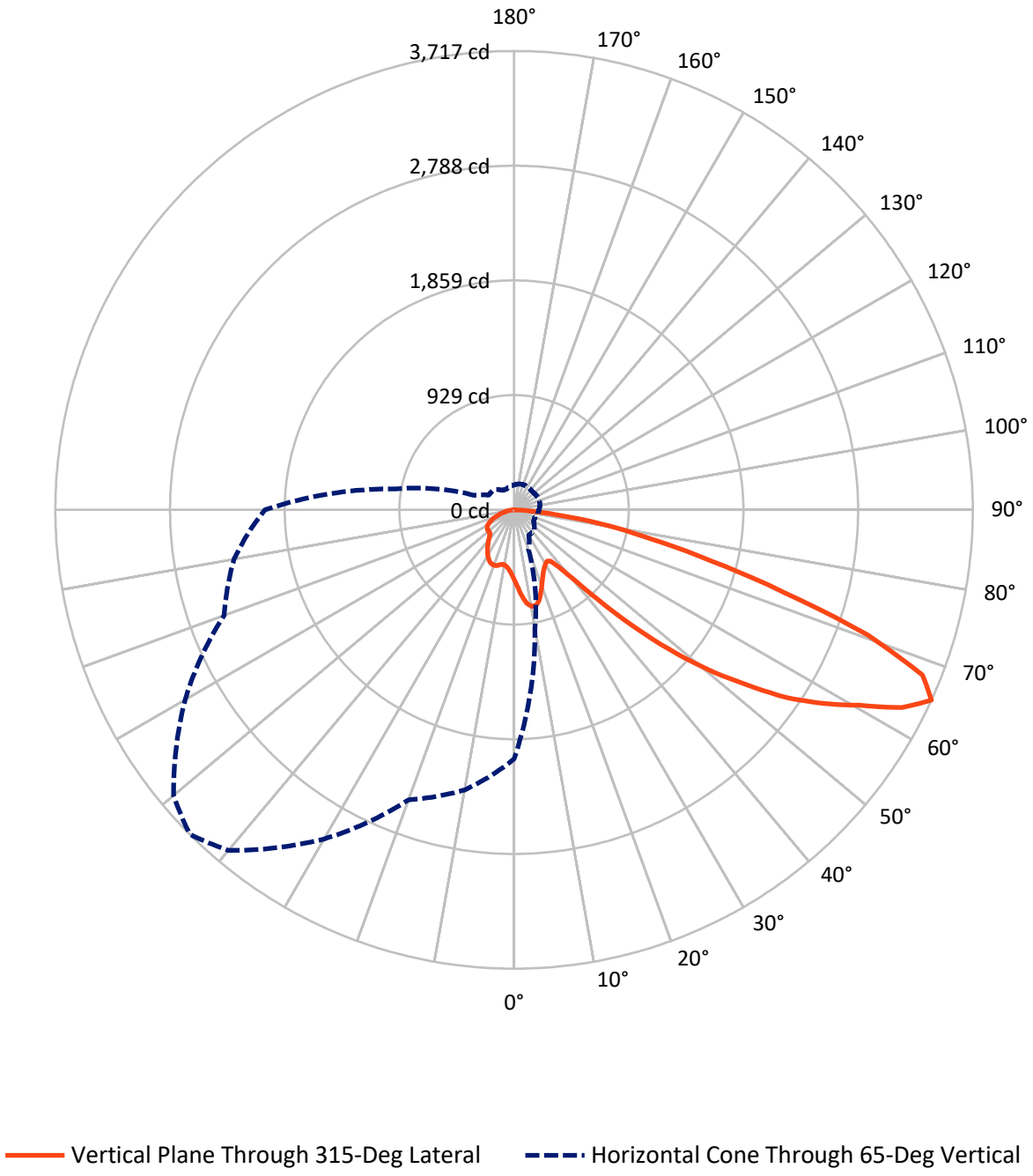
Based on 20 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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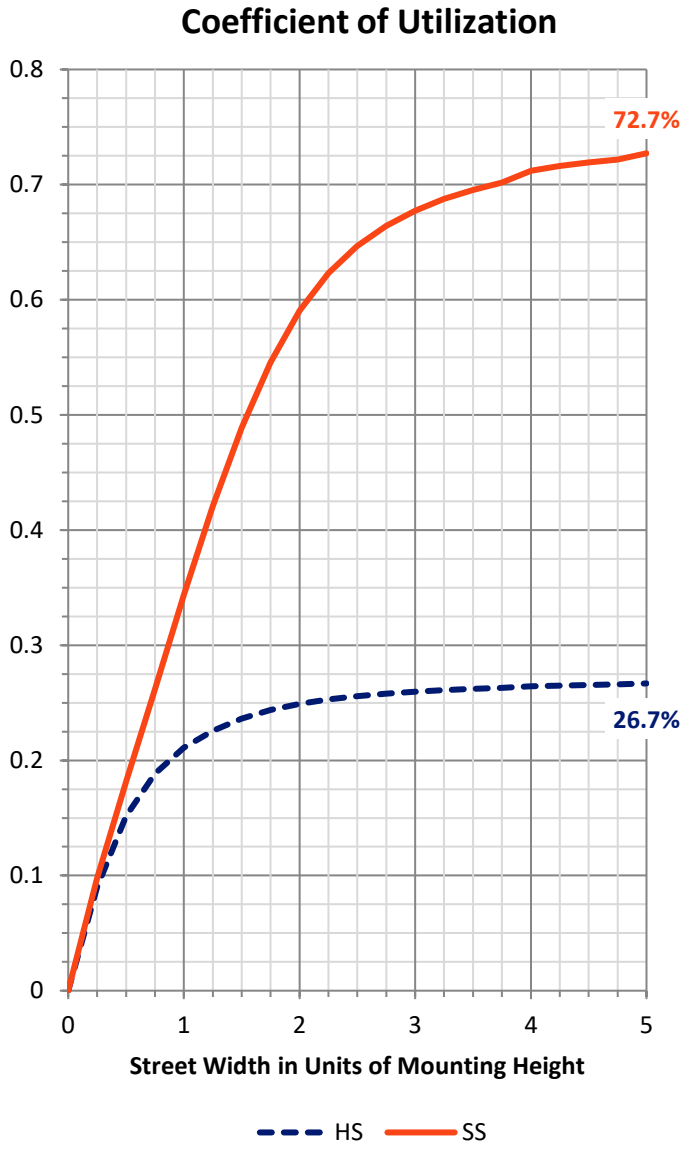
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	964.8	0.0	964.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2621.5	0.0	2621.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	3586.3	0.0	3586.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	1.6
10°-20°	173.0	4.8
20°-30°	267.8	7.5
30°-40°	332.3	9.3
40°-50°	485.9	13.5
50°-60°	761.0	21.2
60°-70°	903.0	25.2
70°-80°	526.7	14.7
80°-90°	80.1	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°	3586.3	100.0
0°-180°	3586.3	100.0



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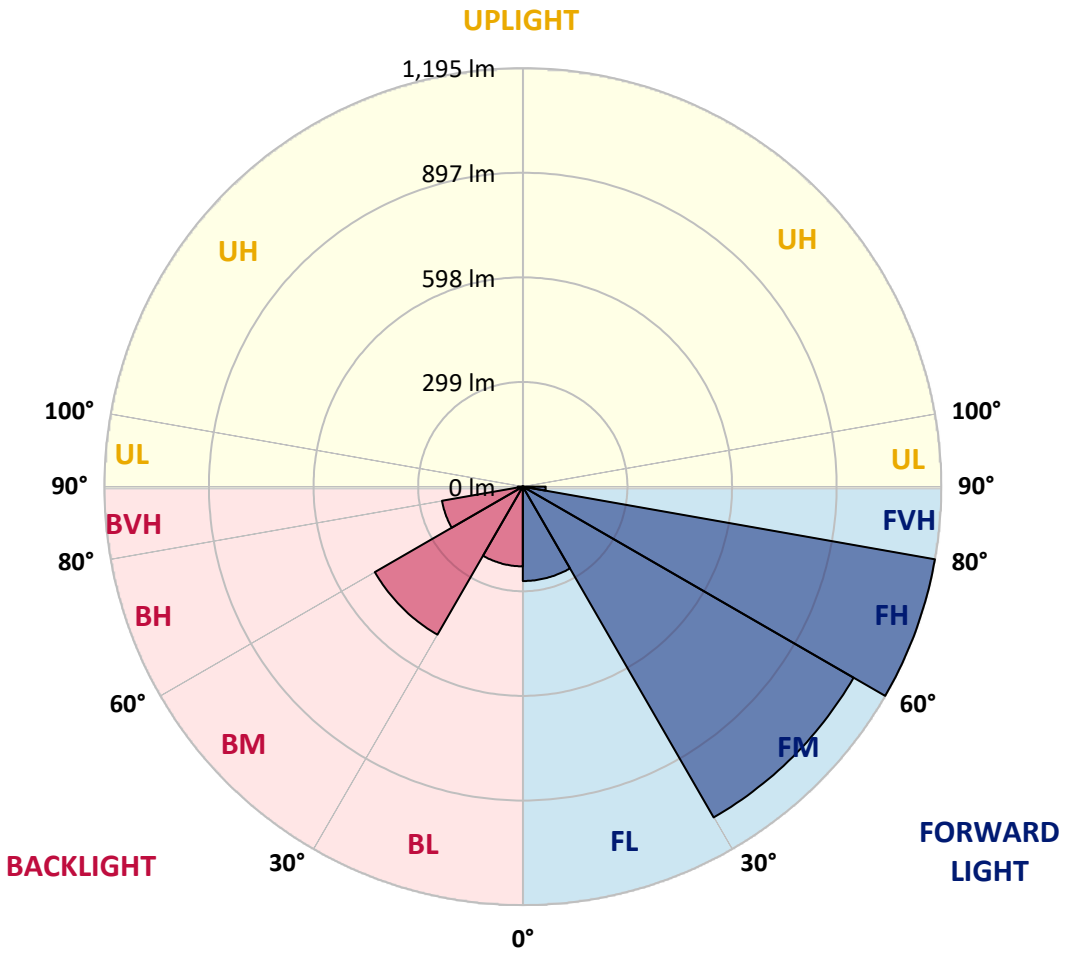
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	269.5	7.5			
FM	(30°-60°)	1091.0	30.4			
FH	(60°-80°)	1195.4	33.3			G1/1800
FVH	(80°-90°)	65.5	1.8			G1/100
BL	(0°-30°)	227.8	6.4	B1/500		
BM	(30°-60°)	488.1	13.6	B1/1000		
BH	(60°-80°)	234.3	6.5	B1/500		G1/500
BVH	(80°-90°)	14.6	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°	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8
2.5°	617.9	612.3	606.7	601.7	596.6	591.5	586.3	581.4	576.4	571.4	567.0
5°	660.0	650.1	640.3	629.9	619.6	609.6	599.5	589.9	580.4	570.5	562.0
7.5°	702.5	685.9	669.2	653.5	637.8	623.8	609.7	597.2	584.6	571.4	561.1
10°	729.3	709.4	689.4	669.9	650.3	633.1	615.7	601.2	586.8	572.7	561.8
12.5°	742.9	723.0	703.2	681.4	659.5	640.2	620.8	604.8	588.9	573.6	562.9
15°	749.4	729.4	709.4	687.2	665.0	644.1	623.1	605.2	587.2	570.1	560.6
17.5°	751.2	732.4	713.7	690.1	666.4	642.5	618.8	597.8	576.9	556.9	548.9
20°	756.9	738.0	719.0	693.6	668.1	640.2	612.2	584.6	557.1	530.6	525.5
22.5°	763.0	745.7	728.4	700.4	672.5	638.3	604.1	569.6	535.0	503.4	498.6
25°	772.7	757.7	742.7	712.2	681.6	638.1	594.6	551.6	508.5	472.3	471.9
27.5°	786.7	775.2	763.7	729.4	695.1	639.8	584.6	533.2	481.7	444.7	446.9
30°	806.5	797.4	788.5	749.7	710.9	643.4	576.1	517.1	458.3	422.3	424.7
32.5°	830.6	825.0	819.3	773.7	728.0	647.4	567.0	503.1	439.2	406.1	406.1
35°	871.4	864.3	857.3	799.1	740.9	646.5	552.1	487.1	422.0	396.4	391.0
37.5°	923.1	914.8	906.4	830.1	753.8	643.8	533.7	469.4	405.2	385.0	374.7
40°	999.4	983.0	966.5	865.7	764.8	637.6	510.4	448.3	386.1	370.1	357.1
42.5°	1106.4	1071.7	1036.9	904.9	772.9	627.0	481.1	423.1	365.0	353.9	337.8
45°	1239.3	1183.6	1127.9	958.3	788.6	619.7	450.8	397.5	344.2	334.2	318.2
47.5°	1366.5	1295.9	1225.4	1013.1	800.8	611.2	421.7	372.0	322.6	310.9	296.0
50°	1513.8	1418.2	1322.6	1060.9	799.2	596.7	394.2	349.4	304.5	288.6	273.8
52.5°	1702.8	1551.0	1399.1	1083.5	767.9	567.1	366.4	329.1	291.9	271.4	255.7
55°	1928.6	1684.4	1440.1	1077.6	715.0	527.8	340.5	312.1	283.5	263.1	244.5
57.5°	2158.9	1796.4	1434.0	1045.0	656.0	486.7	317.3	297.7	278.0	260.9	238.1
60°	2331.7	1846.6	1361.4	967.0	572.7	434.7	296.6	282.9	269.1	255.7	232.9
62.5°	2260.2	1735.3	1210.3	839.3	468.2	368.7	269.3	261.5	253.9	248.2	226.5
65°	*2019.0*	*1496.7*	*974.4*	*658.3*	*342.2*	*289.8*	*237.2*	*235.6*	*234.0*	*232.4*	*214.4*
67.5°	1792.7	1285.4	778.1	512.3	246.5	221.5	196.6	201.3	205.9	208.3	196.0
70°	1576.1	1092.0	608.0	392.6	177.2	168.4	159.6	166.6	173.5	172.8	166.8
72.5°	1352.9	906.8	460.6	295.1	129.6	129.5	129.4	134.6	139.9	132.9	136.6
75°	1107.7	724.0	340.3	218.7	97.2	96.6	96.0	102.3	108.6	111.4	113.8
77.5°	736.7	475.0	213.3	141.4	69.5	70.0	70.3	77.2	84.0	92.1	92.5
80°	432.4	272.3	112.3	78.1	44.0	44.6	44.9	52.1	59.2	70.6	70.2
82.5°	216.2	136.5	56.8	42.0	27.2	27.3	27.4	30.9	34.4	40.8	42.5
85°	49.1	32.5	15.8	13.3	11.0	11.5	12.1	14.4	16.7	20.2	21.2
87.5°	3.9	3.9	3.7	3.6	3.5	3.7	3.9	4.4	4.8	5.3	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

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8
2.5°	562.3	557.6	553.9	550.4	547.2	544.0	540.2	536.3	533.6	530.8	529.0
5°	553.6	545.4	538.5	531.7	526.1	520.3	515.2	510.0	506.0	501.9	498.5
7.5°	550.9	540.7	531.8	522.9	515.4	507.8	501.5	495.1	489.0	483.1	479.2
10°	551.0	540.3	531.1	522.0	514.0	506.1	497.7	489.4	482.7	476.1	470.3
12.5°	553.9	545.1	538.7	532.4	525.0	517.6	507.7	497.7	488.7	479.7	472.6
15°	554.8	549.0	548.5	548.0	545.4	542.9	533.7	524.5	512.0	499.5	489.3
17.5°	548.1	547.3	556.0	564.6	569.6	574.6	568.2	561.8	544.2	526.7	511.5
20°	530.5	535.4	552.5	569.4	582.9	596.4	595.7	595.1	572.2	549.2	529.3
22.5°	506.0	513.3	535.4	557.6	577.1	596.6	601.6	606.5	584.0	561.5	536.9
25°	479.8	487.8	508.3	528.9	549.8	570.8	580.1	589.4	570.9	552.4	528.5
27.5°	454.5	462.2	477.5	492.7	509.6	526.4	536.8	547.3	536.0	524.7	505.4
30°	430.6	436.6	447.6	458.7	470.1	481.5	489.8	498.2	490.7	483.3	469.4
32.5°	408.6	411.2	418.4	425.5	434.1	442.5	447.1	451.7	445.9	440.1	431.0
35°	388.9	386.8	391.5	396.3	403.1	410.0	413.5	417.0	412.2	407.4	399.2
37.5°	369.1	363.3	365.6	367.7	373.5	379.3	384.3	389.4	385.9	382.4	375.5
40°	348.7	340.3	340.1	339.9	345.5	351.0	357.3	363.5	362.9	362.2	355.6
42.5°	327.1	316.4	315.3	314.2	319.7	325.2	331.9	338.5	339.9	341.2	335.7
45°	307.1	296.3	294.5	292.8	297.5	302.4	309.7	317.1	320.1	323.2	318.3
47.5°	286.6	277.1	276.1	275.0	280.0	285.0	293.1	301.3	304.5	307.8	304.5
50°	266.1	258.3	259.6	260.9	266.4	271.9	278.2	284.6	290.7	296.6	296.0
52.5°	249.9	244.0	248.1	252.2	257.2	262.2	268.8	275.4	281.7	288.1	289.1
55°	238.0	231.5	237.3	243.1	249.2	255.2	261.4	267.5	273.5	279.3	280.7
57.5°	229.0	220.0	225.8	231.5	238.1	244.7	250.8	257.0	263.9	270.8	271.9
60°	221.5	210.1	213.9	217.7	224.4	231.1	237.5	243.8	250.8	257.9	259.3
62.5°	211.5	196.6	197.2	197.5	205.1	212.7	217.9	223.2	229.9	236.6	238.6
65°	*198.4*	*182.4*	*180.7*	*178.9*	*186.1*	*193.4*	*197.5*	*201.7*	*207.5*	*213.3*	*215.3*
67.5°	181.9	167.7	164.1	160.5	167.2	173.8	177.3	180.7	184.6	188.6	190.8
70°	158.4	150.0	147.7	145.4	150.9	156.3	159.3	162.3	165.4	168.6	169.8
72.5°	134.7	132.9	131.2	129.6	133.8	137.9	140.4	143.0	145.9	148.9	149.6
75°	112.8	111.8	110.6	109.5	112.6	115.8	117.7	119.7	122.8	125.9	127.2
77.5°	90.2	87.9	86.7	85.2	88.1	91.0	92.9	94.7	97.3	99.8	100.2
80°	67.4	64.5	63.5	62.4	64.6	66.7	67.4	68.0	70.1	72.1	72.1
82.5°	42.5	42.5	41.9	41.2	40.8	40.3	39.5	38.6	40.7	42.8	43.5
85°	21.4	21.5	20.5	19.5	18.2	16.8	16.6	16.2	16.1	16.0	16.6
87.5°	6.7	7.2	7.7	8.1	8.6	8.9	8.7	8.3	8.0	7.7	7.0
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°	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8
2.5°	527.1	526.2	525.4	524.7	524.0	523.6	524.0	524.7	525.4	526.2	527.1
5°	495.1	493.7	492.2	491.2	490.3	489.4	490.3	491.2	492.2	493.7	495.1
7.5°	475.4	473.1	470.8	469.1	467.5	466.6	467.5	469.1	470.8	473.1	475.4
10°	464.7	461.4	458.3	456.5	454.8	453.4	454.8	456.5	458.3	461.4	464.7
12.5°	465.5	461.5	457.6	455.0	452.4	450.8	452.4	455.0	457.6	461.5	465.5
15°	479.0	473.4	467.6	464.4	461.2	458.7	461.2	464.4	467.6	473.4	479.0
17.5°	496.4	488.2	479.9	477.0	474.0	472.7	474.0	477.0	479.9	488.2	496.4
20°	509.4	498.3	487.5	483.1	478.7	477.1	478.7	483.1	487.5	498.3	509.4
22.5°	512.4	499.4	486.3	482.2	478.0	476.2	478.0	482.2	486.3	499.4	512.4
25°	504.7	491.1	477.3	473.1	468.8	467.5	468.8	473.1	477.3	491.1	504.7
27.5°	486.1	474.0	461.8	457.3	452.7	449.9	452.7	457.3	461.8	474.0	486.1
30°	455.6	446.6	437.7	434.8	432.0	430.6	432.0	434.8	437.7	446.6	455.6
32.5°	421.9	416.3	410.6	408.8	407.0	406.1	407.0	408.8	410.6	416.3	421.9
35°	391.2	387.1	383.1	381.6	380.2	378.9	380.2	381.6	383.1	387.1	391.2
37.5°	368.5	363.8	358.9	356.3	353.6	351.7	353.6	356.3	358.9	363.8	368.5
40°	349.1	342.2	335.5	331.9	328.2	326.3	328.2	331.9	335.5	342.2	349.1
42.5°	330.2	322.3	314.4	308.9	303.5	300.0	303.5	308.9	314.4	322.3	330.2
45°	313.3	304.4	295.6	289.0	282.4	278.0	282.4	289.0	295.6	304.4	313.3
47.5°	301.3	293.6	285.9	280.1	274.3	270.1	274.3	280.1	285.9	293.6	301.3
50°	295.4	289.3	283.3	277.9	272.3	268.4	272.3	277.9	283.3	289.3	295.4
52.5°	290.1	285.7	281.4	276.6	271.9	268.4	271.9	276.6	281.4	285.7	290.1
55°	282.0	278.8	275.6	272.1	268.6	265.7	268.6	272.1	275.6	278.8	282.0
57.5°	272.9	269.6	266.2	263.6	260.9	259.6	260.9	263.6	266.2	269.6	272.9
60°	260.7	258.0	255.4	252.9	250.4	248.2	250.4	252.9	255.4	258.0	260.7
62.5°	240.8	239.5	238.4	235.6	232.9	229.8	232.9	235.6	238.4	239.5	240.8
65°	*217.3*	*216.7*	*216.2*	*214.2*	*212.2*	*208.7*	*212.2*	*214.2*	*216.2*	*216.7*	*217.3*
67.5°	193.1	192.0	190.8	188.7	186.6	185.9	186.6	188.7	190.8	192.0	193.1
70°	171.0	169.3	167.5	162.8	158.0	152.6	158.0	162.8	167.5	169.3	171.0
72.5°	150.4	147.7	144.9	139.4	133.8	128.1	133.8	139.4	144.9	147.7	150.4
75°	128.5	124.6	120.9	115.0	109.2	105.2	109.2	115.0	120.9	124.6	128.5
77.5°	100.7	97.4	94.0	90.5	87.0	85.1	87.0	90.5	94.0	97.4	100.7
80°	72.1	69.6	67.1	65.3	63.6	62.3	63.6	65.3	67.1	69.6	72.1
82.5°	44.3	43.2	42.1	40.2	38.2	36.8	38.2	40.2	42.1	43.2	44.3
85°	17.1	16.8	16.7	16.0	15.3	14.9	15.3	16.0	16.7	16.8	17.1
87.5°	6.3	5.8	5.3	4.9	4.6	4.4	4.6	4.9	5.3	5.8	6.3
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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CATALOG NUMBER: GSS-SB1A-727-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8
2.5°	529.0	530.8	533.6	536.3	540.2	544.0	547.2	550.4	553.9	557.6	562.3
5°	498.5	501.9	506.0	510.0	515.2	520.3	526.1	531.7	538.5	545.4	553.6
7.5°	479.2	483.1	489.0	495.1	501.5	507.8	515.4	522.9	531.8	540.7	550.9
10°	470.3	476.1	482.7	489.4	497.7	506.1	514.0	522.0	531.1	540.3	551.0
12.5°	472.6	479.7	488.7	497.7	507.7	517.6	525.0	532.4	538.7	545.1	553.9
15°	489.3	499.5	512.0	524.5	533.7	542.9	545.4	548.0	548.5	549.0	554.8
17.5°	511.5	526.7	544.2	561.8	568.2	574.6	569.6	564.6	556.0	547.3	548.1
20°	529.3	549.2	572.2	595.1	595.7	596.4	582.9	569.4	552.5	535.4	530.5
22.5°	536.9	561.5	584.0	606.5	601.6	596.6	577.1	557.6	535.4	513.3	506.0
25°	528.5	552.4	570.9	589.4	580.1	570.8	549.8	528.9	508.3	487.8	479.8
27.5°	505.4	524.7	536.0	547.3	536.8	526.4	509.6	492.7	477.5	462.2	454.5
30°	469.4	483.3	490.7	498.2	489.8	481.5	470.1	458.7	447.6	436.6	430.6
32.5°	431.0	440.1	445.9	451.7	447.1	442.5	434.1	425.5	418.4	411.2	408.6
35°	399.2	407.4	412.2	417.0	413.5	410.0	403.1	396.3	391.5	386.8	388.9
37.5°	375.5	382.4	385.9	389.4	384.3	379.3	373.5	367.7	365.6	363.3	369.1
40°	355.6	362.2	362.9	363.5	357.3	351.0	345.5	339.9	340.1	340.3	348.7
42.5°	335.7	341.2	339.9	338.5	331.9	325.2	319.7	314.2	315.3	316.4	327.1
45°	318.3	323.2	320.1	317.1	309.7	302.4	297.5	292.8	294.5	296.3	307.1
47.5°	304.5	307.8	304.5	301.3	293.1	285.0	280.0	275.0	276.1	277.1	286.6
50°	296.0	296.6	290.7	284.6	278.2	271.9	266.4	260.9	259.6	258.3	266.1
52.5°	289.1	288.1	281.7	275.4	268.8	262.2	257.2	252.2	248.1	244.0	249.9
55°	280.7	279.3	273.5	267.5	261.4	255.2	249.2	243.1	237.3	231.5	238.0
57.5°	271.9	270.8	263.9	257.0	250.8	244.7	238.1	231.5	225.8	220.0	229.0
60°	259.3	257.9	250.8	243.8	237.5	231.1	224.4	217.7	213.9	210.1	221.5
62.5°	238.6	236.6	229.9	223.2	217.9	212.7	205.1	197.5	197.2	196.6	211.5
65°	*215.3*	*213.3*	*207.5*	*201.7*	*197.5*	*193.4*	*186.1*	*178.9*	*180.7*	*182.4*	*198.4*
67.5°	190.8	188.6	184.6	180.7	177.3	173.8	167.2	160.5	164.1	167.7	181.9
70°	169.8	168.6	165.4	162.3	159.3	156.3	150.9	145.4	147.7	150.0	158.4
72.5°	149.6	148.9	145.9	143.0	140.4	137.9	133.8	129.6	131.2	132.9	134.7
75°	127.2	125.9	122.8	119.7	117.7	115.8	112.6	109.5	110.6	111.8	112.8
77.5°	100.2	99.8	97.3	94.7	92.9	91.0	88.1	85.2	86.7	87.9	90.2
80°	72.1	72.1	70.1	68.0	67.4	66.7	64.6	62.4	63.5	64.5	67.4
82.5°	43.5	42.8	40.7	38.6	39.5	40.3	40.8	41.2	41.9	42.5	42.5
85°	16.6	16.0	16.1	16.2	16.6	16.8	18.2	19.5	20.5	21.5	21.4
87.5°	7.0	7.7	8.0	8.3	8.7	8.9	8.6	8.1	7.7	7.2	6.7
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: P1364167
CATALOG NUMBER: GSS-SB1A-727-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8
2.5°	567.0	571.4	576.4	581.4	586.3	591.5	596.6	601.7	606.7	612.3	617.9
5°	562.0	570.5	580.4	589.9	599.5	609.6	619.6	629.9	640.3	650.1	660.0
7.5°	561.1	571.4	584.6	597.2	609.7	623.8	637.8	653.5	669.2	685.9	702.5
10°	561.8	572.7	586.8	601.2	615.7	633.1	650.3	669.9	689.4	709.4	729.3
12.5°	562.9	573.6	588.9	604.8	620.8	640.2	659.5	681.4	703.2	723.0	742.9
15°	560.6	570.1	587.2	605.2	623.1	644.1	665.0	687.2	709.4	729.4	749.4
17.5°	548.9	556.9	576.9	597.8	618.8	642.5	666.4	690.1	713.7	732.4	751.2
20°	525.5	530.6	557.1	584.6	612.2	640.2	668.1	693.6	719.0	738.0	756.9
22.5°	498.6	503.4	535.0	569.6	604.1	638.3	672.5	700.4	728.4	745.7	763.0
25°	471.9	472.3	508.5	551.6	594.6	638.1	681.6	712.2	742.7	757.7	772.7
27.5°	446.9	444.7	481.7	533.2	584.6	639.8	695.1	729.4	763.7	775.2	786.7
30°	424.7	422.3	458.3	517.1	576.1	643.4	710.9	749.7	788.5	797.4	806.5
32.5°	406.1	406.1	439.2	503.1	567.0	647.4	728.0	773.7	819.3	825.0	830.6
35°	391.0	396.4	422.0	487.1	552.1	646.5	740.9	799.1	857.3	864.3	871.4
37.5°	374.7	385.0	405.2	469.4	533.7	643.8	753.8	830.1	906.4	914.8	923.1
40°	357.1	370.1	386.1	448.3	510.4	637.6	764.8	865.7	966.5	983.0	999.4
42.5°	337.8	353.9	365.0	423.1	481.1	627.0	772.9	904.9	1036.9	1071.7	1106.4
45°	318.2	334.2	344.2	397.5	450.8	619.7	788.6	958.3	1127.9	1183.6	1239.3
47.5°	296.0	310.9	322.6	372.0	421.7	611.2	800.8	1013.1	1225.4	1295.9	1366.5
50°	273.8	288.6	304.5	349.4	394.2	596.7	799.2	1060.9	1322.6	1418.2	1513.8
52.5°	255.7	271.4	291.9	329.1	366.4	567.1	767.9	1083.5	1399.1	1551.0	1702.8
55°	244.5	263.1	283.5	312.1	340.5	527.8	715.0	1077.6	1440.1	1684.4	1928.6
57.5°	238.1	260.9	278.0	297.7	317.3	486.7	656.0	1045.0	1434.0	1796.4	2158.9
60°	232.9	255.7	269.1	282.9	296.6	434.7	572.7	967.0	1361.4	1846.6	2331.7
62.5°	226.5	248.2	253.9	261.5	269.3	368.7	468.2	839.3	1210.3	1735.3	2260.2
65°	*214.4*	*232.4*	*234.0*	*235.6*	*237.2*	*289.8*	*342.2*	*658.3*	*974.4*	*1496.7*	*2019.0*
67.5°	196.0	208.3	205.9	201.3	196.6	221.5	246.5	512.3	778.1	1285.4	1792.7
70°	166.8	172.8	173.5	166.6	159.6	168.4	177.2	392.6	608.0	1092.0	1576.1
72.5°	136.6	132.9	139.9	134.6	129.4	129.5	129.6	295.1	460.6	906.8	1352.9
75°	113.8	111.4	108.6	102.3	96.0	96.6	97.2	218.7	340.3	724.0	1107.7
77.5°	92.5	92.1	84.0	77.2	70.3	70.0	69.5	141.4	213.3	475.0	736.7
80°	70.2	70.6	59.2	52.1	44.9	44.6	44.0	78.1	112.3	272.3	432.4
82.5°	42.5	40.8	34.4	30.9	27.4	27.3	27.2	42.0	56.8	136.5	216.2
85°	21.2	20.2	16.7	14.4	12.1	11.5	11.0	13.3	15.8	32.5	49.1
87.5°	6.1	5.3	4.8	4.4	3.9	3.7	3.5	3.6	3.7	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1364167
CATALOG NUMBER: GSS-SB1A-727-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	*571.8*	571.8	571.8
2.5°	620.1	622.3	624.6	627.1	628.5	629.9	631.4	632.8	*634.1*	632.8	631.4
5°	669.9	679.7	686.4	693.0	698.1	703.2	706.1	709.1	*709.5*	709.1	706.1
7.5°	714.3	726.0	736.2	746.4	752.9	759.4	763.1	767.0	*768.3*	767.0	763.1
10°	743.0	756.9	766.7	776.6	782.7	788.6	791.6	794.6	*795.5*	794.6	791.6
12.5°	756.1	769.4	777.0	784.5	788.4	792.2	793.6	794.8	*793.7*	794.8	793.6
15°	757.3	765.0	768.2	771.4	769.5	767.6	764.9	762.2	*760.4*	762.2	764.9
17.5°	753.9	756.7	750.8	745.1	734.5	724.0	716.1	708.2	*702.5*	708.2	716.1
20°	752.5	748.1	732.5	717.0	697.3	677.5	664.3	651.0	*642.9*	651.0	664.3
22.5°	750.7	738.3	712.1	685.9	658.8	631.9	616.7	601.5	*592.9*	601.5	616.7
25°	751.5	730.1	694.7	659.4	627.6	596.0	579.4	562.9	*553.4*	562.9	579.4
27.5°	754.3	721.8	678.0	634.1	599.7	565.3	549.5	533.7	*525.4*	533.7	549.5
30°	763.4	720.2	667.8	615.3	579.3	543.3	527.9	512.4	*503.4*	512.4	527.9
32.5°	776.2	721.8	663.1	604.3	567.6	531.1	516.2	501.5	*493.8*	501.5	516.2
35°	802.5	733.7	668.5	603.4	569.4	535.4	524.6	513.8	*509.6*	513.8	524.6
37.5°	842.7	762.2	695.1	628.0	604.8	581.7	581.7	581.7	*585.0*	581.7	581.7
40°	909.1	818.7	755.2	691.8	690.4	689.2	703.9	718.7	*725.3*	718.7	703.9
42.5°	1010.9	915.5	864.3	813.0	843.7	874.4	917.0	959.7	*987.6*	959.7	917.0
45°	1146.3	1053.3	1017.6	981.9	1050.2	1118.4	1193.8	1269.1	*1322.6*	1269.1	1193.8
47.5°	1288.2	1209.9	1189.5	1169.1	1282.7	1396.3	1506.7	1617.1	*1682.2*	1617.1	1506.7
50°	1443.5	1373.0	1369.1	1365.1	1516.4	1667.7	1810.2	1952.8	*2032.1*	1952.8	1810.2
52.5°	1625.5	1548.2	1551.3	1554.3	1734.0	1913.7	2086.1	2258.4	*2347.9*	2258.4	2086.1
55°	1831.7	1734.8	1734.3	1733.8	1940.2	2146.9	2358.6	2570.5	*2689.9*	2570.5	2358.6
57.5°	2068.1	1977.3	1955.7	1934.1	2150.0	2365.9	2599.7	2833.6	*2959.2*	2833.6	2599.7
60°	2281.7	2231.7	2197.1	2162.6	2384.4	2606.2	2847.7	3089.2	*3214.4*	3089.2	2847.7
62.5°	2349.5	2438.9	2436.4	2433.8	2673.2	2912.5	3163.7	3415.1	*3527.5*	3415.1	3163.7
65°	*2161.5*	*2304.0*	*2402.1*	*2500.0*	*2789.4*	*3078.6*	*3340.4*	*3602.1*	*3717.0*	*3602.1*	*3340.4*
67.5°	1918.3	2044.0	2124.2	2204.5	2530.5	2856.6	3153.5	3450.5	*3568.7*	3450.5	3153.5
70°	1715.2	1854.3	1911.6	1969.0	2246.0	2522.9	2757.8	2992.7	*3039.0*	2992.7	2757.8
72.5°	1518.3	1683.8	1708.1	1732.4	1933.9	2135.5	2260.6	2385.8	*2284.7*	2385.8	2260.6
75°	1294.4	1480.9	1497.1	1513.4	1576.2	1639.0	1670.9	1702.8	*1645.4*	1702.8	1670.9
77.5°	898.3	1059.9	1096.3	1132.7	1174.6	1216.5	1214.3	1212.1	*1131.4*	1212.1	1214.3
80°	558.8	685.2	689.9	694.6	726.0	757.3	789.4	821.4	*770.1*	821.4	789.4
82.5°	285.6	355.0	365.7	376.4	395.6	414.8	423.8	432.8	*389.4*	432.8	423.8
85°	67.2	85.2	102.7	120.2	140.3	160.5	158.2	155.9	*131.6*	155.9	158.2
87.5°	4.0	4.2	4.3	4.4	4.5	4.6	4.8	5.1	*5.3*	5.1	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364167
CATALOG NUMBER: GSS-SB1A-727-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	571.8	571.8	571.8	571.8	571.8	571.8	571.8
2.5°	629.9	628.5	627.1	624.6	622.3	620.1	617.9
5°	703.2	698.1	693.0	686.4	679.7	669.9	660.0
7.5°	759.4	752.9	746.4	736.2	726.0	714.3	702.5
10°	788.6	782.7	776.6	766.7	756.9	743.0	729.3
12.5°	792.2	788.4	784.5	777.0	769.4	756.1	742.9
15°	767.6	769.5	771.4	768.2	765.0	757.3	749.4
17.5°	724.0	734.5	745.1	750.8	756.7	753.9	751.2
20°	677.5	697.3	717.0	732.5	748.1	752.5	756.9
22.5°	631.9	658.8	685.9	712.1	738.3	750.7	763.0
25°	596.0	627.6	659.4	694.7	730.1	751.5	772.7
27.5°	565.3	599.7	634.1	678.0	721.8	754.3	786.7
30°	543.3	579.3	615.3	667.8	720.2	763.4	806.5
32.5°	531.1	567.6	604.3	663.1	721.8	776.2	830.6
35°	535.4	569.4	603.4	668.5	733.7	802.5	871.4
37.5°	581.7	604.8	628.0	695.1	762.2	842.7	923.1
40°	689.2	690.4	691.8	755.2	818.7	909.1	999.4
42.5°	874.4	843.7	813.0	864.3	915.5	1010.9	1106.4
45°	1118.4	1050.2	981.9	1017.6	1053.3	1146.3	1239.3
47.5°	1396.3	1282.7	1169.1	1189.5	1209.9	1288.2	1366.5
50°	1667.7	1516.4	1365.1	1369.1	1373.0	1443.5	1513.8
52.5°	1913.7	1734.0	1554.3	1551.3	1548.2	1625.5	1702.8
55°	2146.9	1940.2	1733.8	1734.3	1734.8	1831.7	1928.6
57.5°	2365.9	2150.0	1934.1	1955.7	1977.3	2068.1	2158.9
60°	2606.2	2384.4	2162.6	2197.1	2231.7	2281.7	2331.7
62.5°	2912.5	2673.2	2433.8	2436.4	2438.9	2349.5	2260.2
65°	*3078.6*	*2789.4*	*2500.0*	*2402.1*	*2304.0*	*2161.5*	*2019.0*
67.5°	2856.6	2530.5	2204.5	2124.2	2044.0	1918.3	1792.7
70°	2522.9	2246.0	1969.0	1911.6	1854.3	1715.2	1576.1
72.5°	2135.5	1933.9	1732.4	1708.1	1683.8	1518.3	1352.9
75°	1639.0	1576.2	1513.4	1497.1	1480.9	1294.4	1107.7
77.5°	1216.5	1174.6	1132.7	1096.3	1059.9	898.3	736.7
80°	757.3	726.0	694.6	689.9	685.2	558.8	432.4
82.5°	414.8	395.6	376.4	365.7	355.0	285.6	216.2
85°	160.5	140.3	120.2	102.7	85.2	67.2	49.1
87.5°	4.6	4.5	4.4	4.3	4.2	4.0	3.9
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

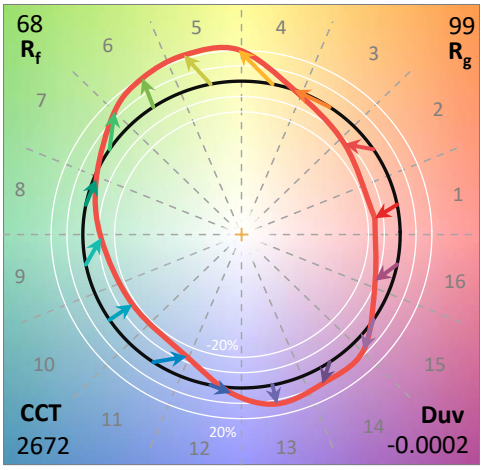
Test Information

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



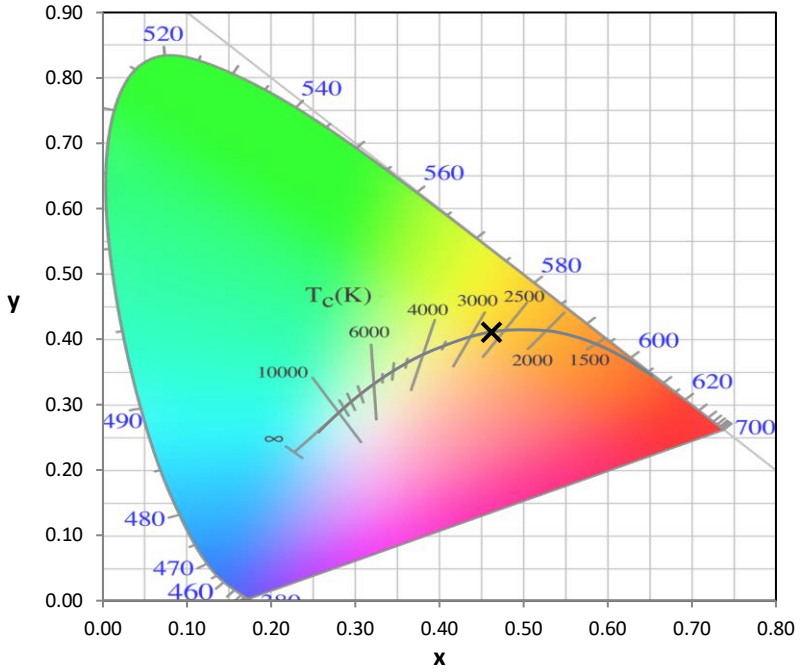
Test Conditions

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

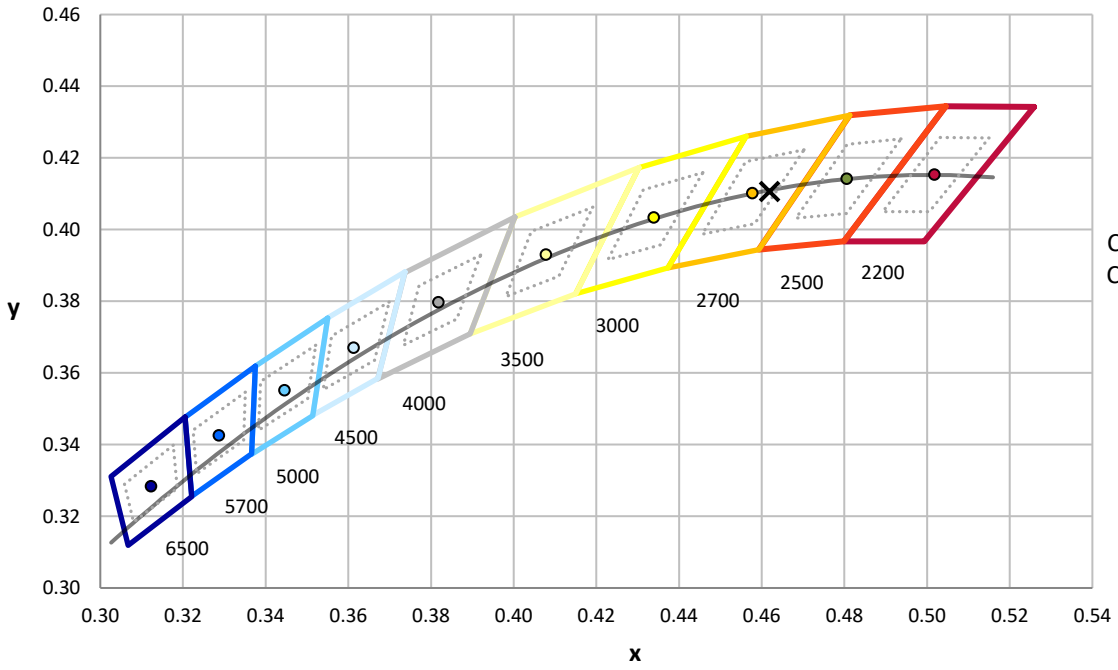
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

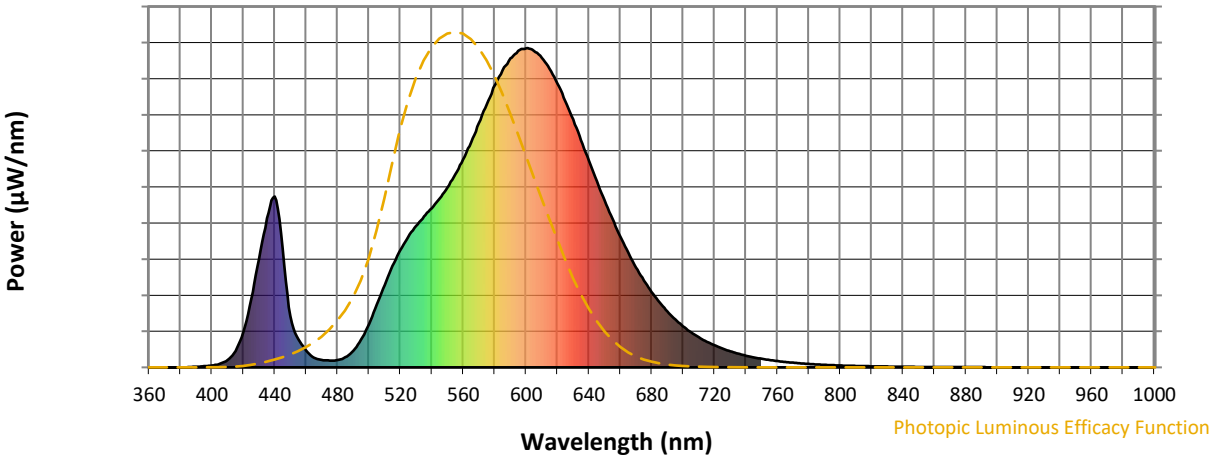


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

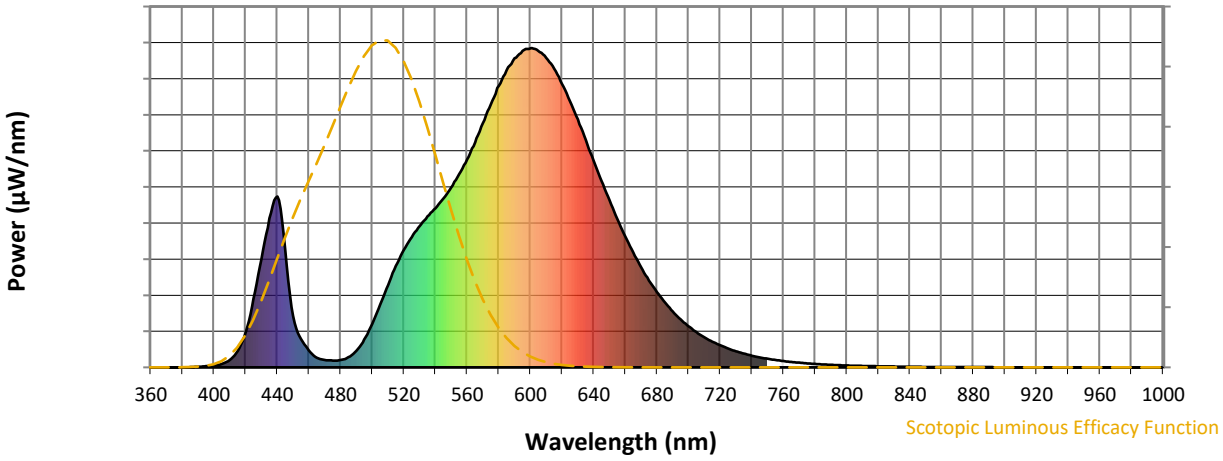


Photopic Lumens: NR

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

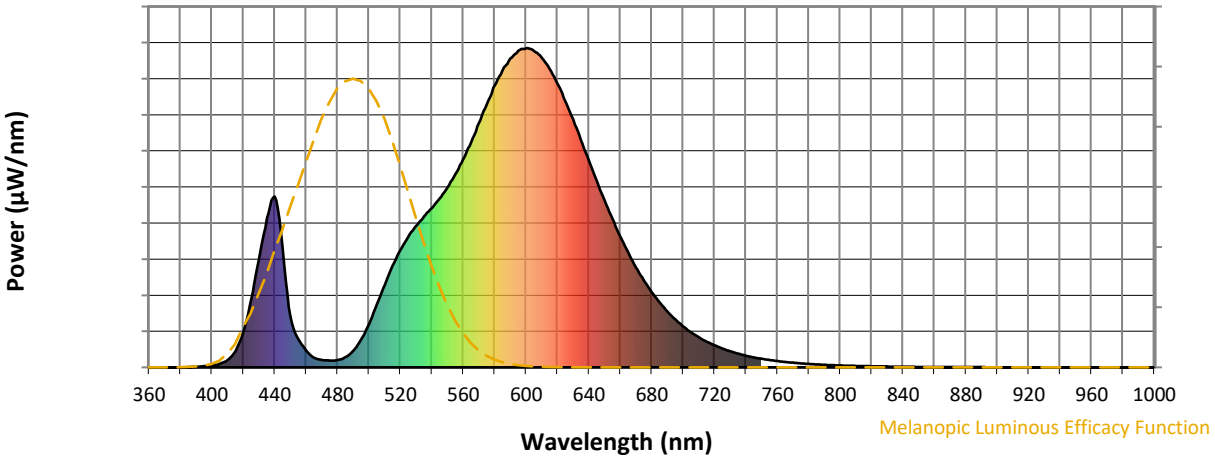


Scotopic Lumens: NR **S/P: 1.02**

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			

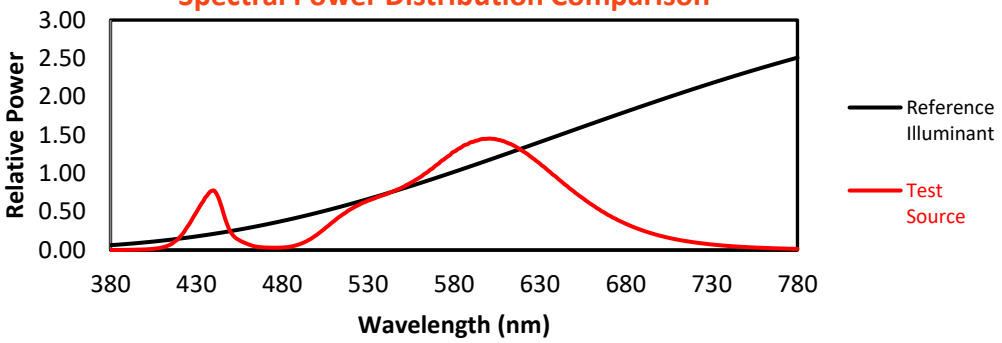
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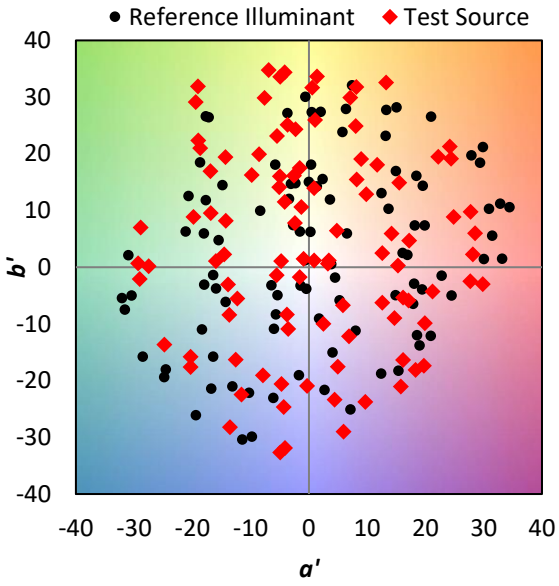
Summary

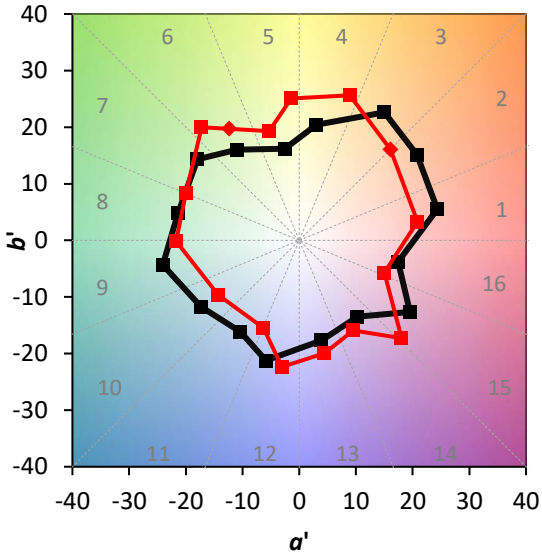
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

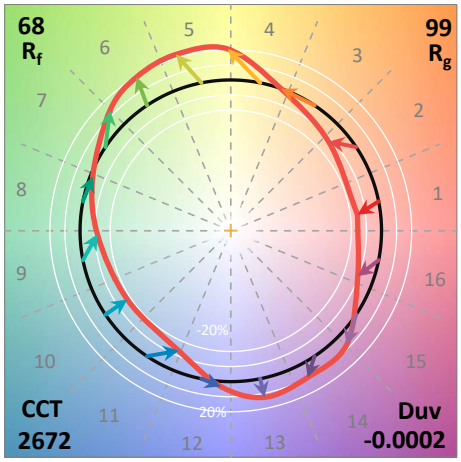
Spectral Power Distribution Comparison

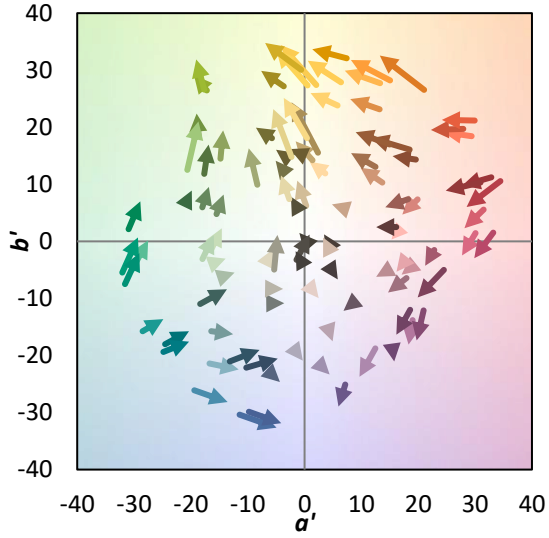


Color Vector Graphics







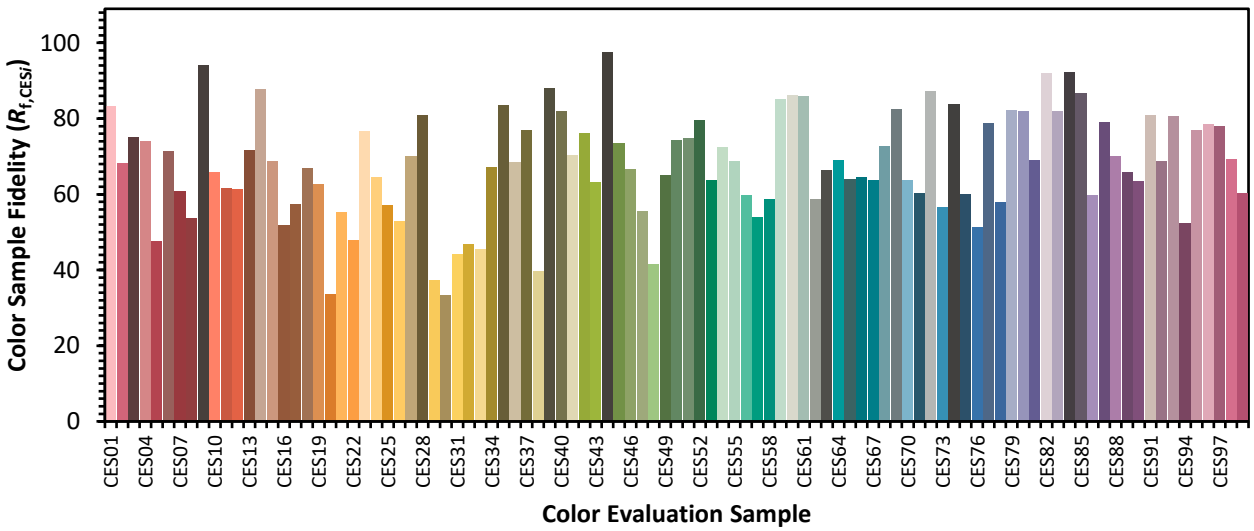


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Individual Sample Fidelity Index ($R_{f,i}$)

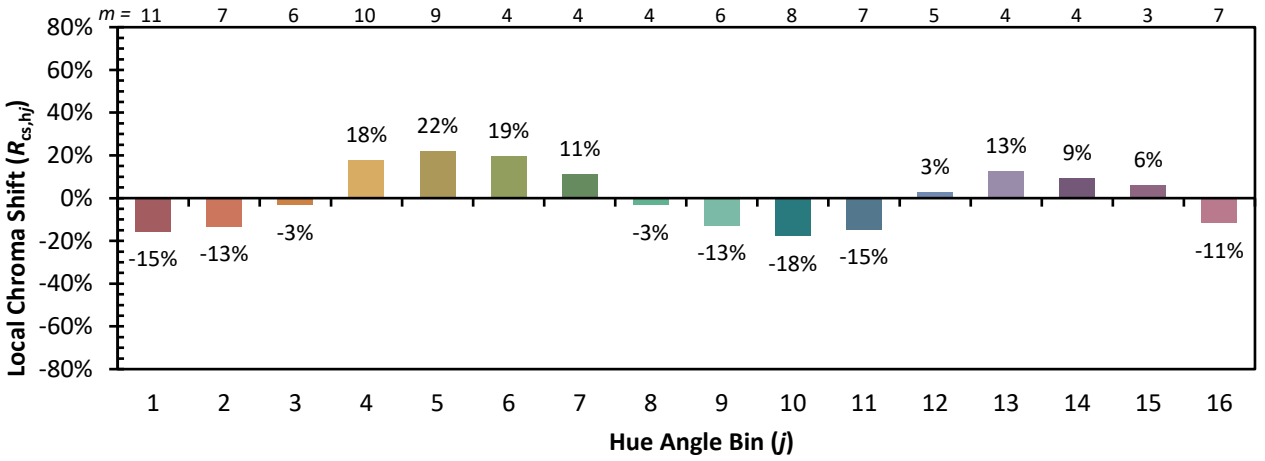
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 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	

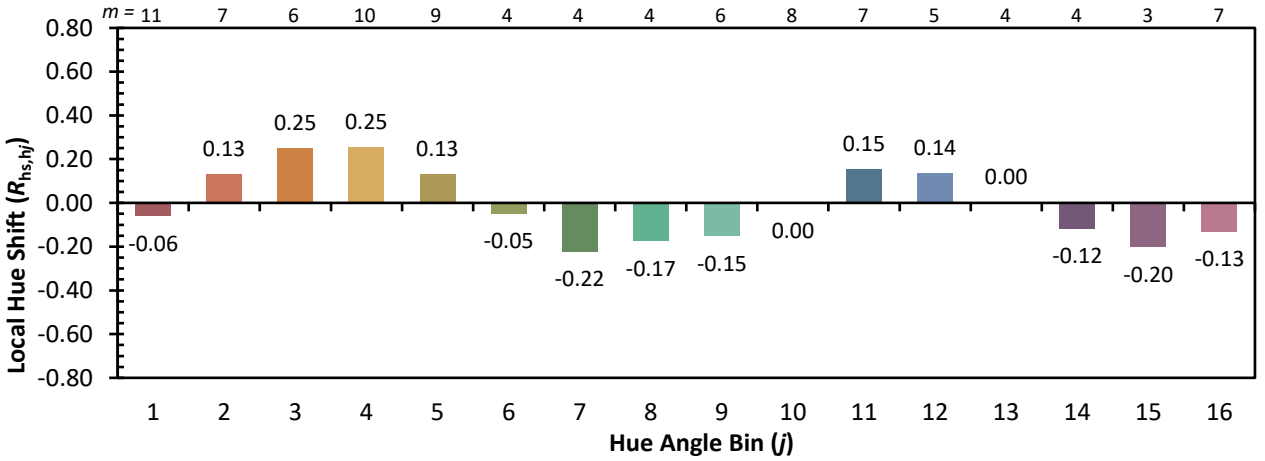


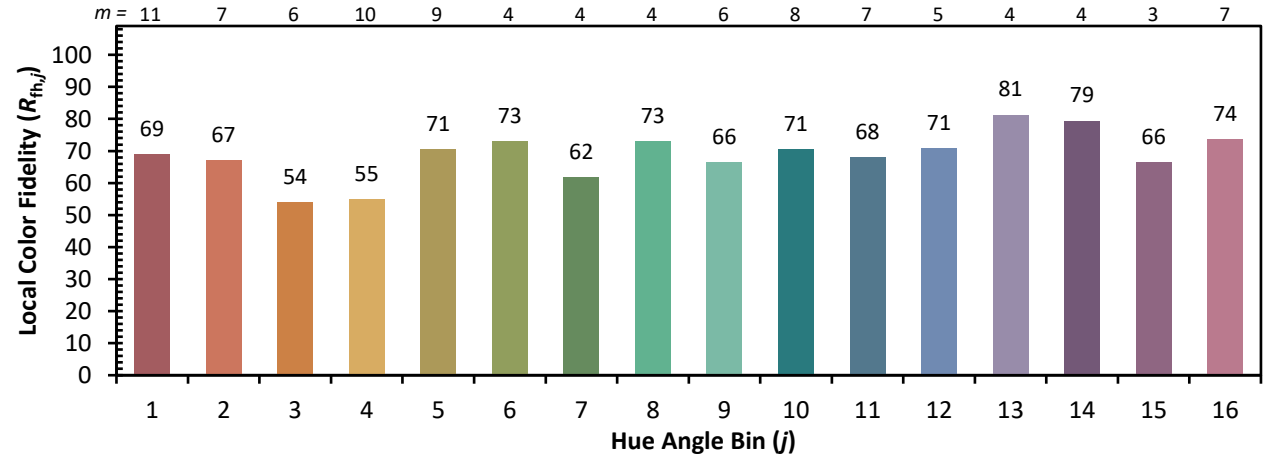
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Color Rendition by Hue-Angle Bin



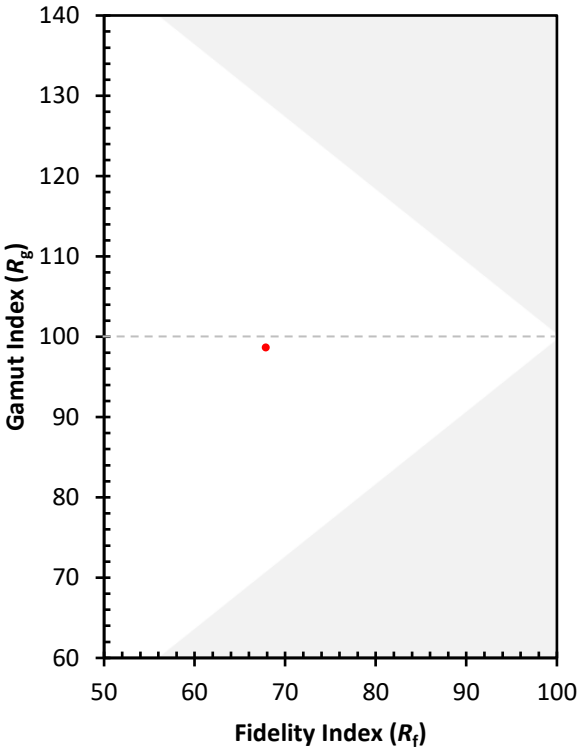


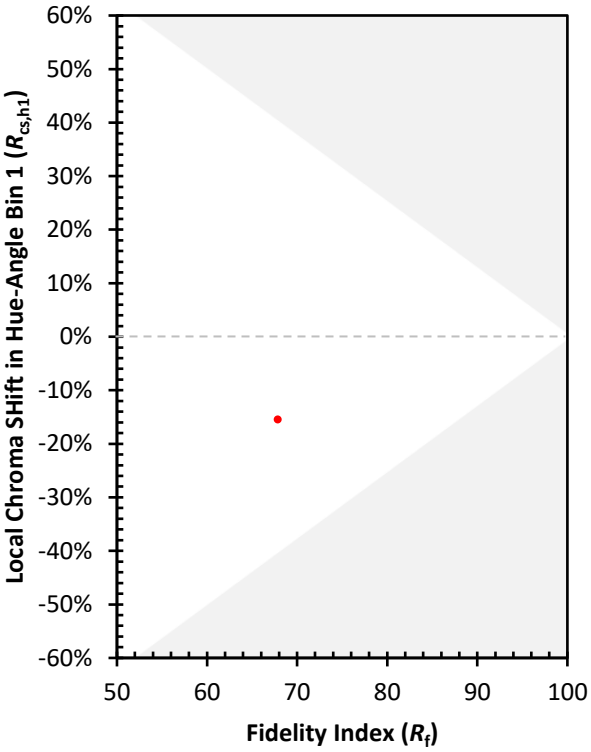


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Measure Comparisons





(END OF REPORT)