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: P1364912

Luminaire Tested: **GSS-SB1B-722-U-SLL**

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:	P1364912
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-722-U-SLL
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC
Light Source:	(26) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4023.3 lumens
Efficiency:	N/A
Efficacy:	100.6 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

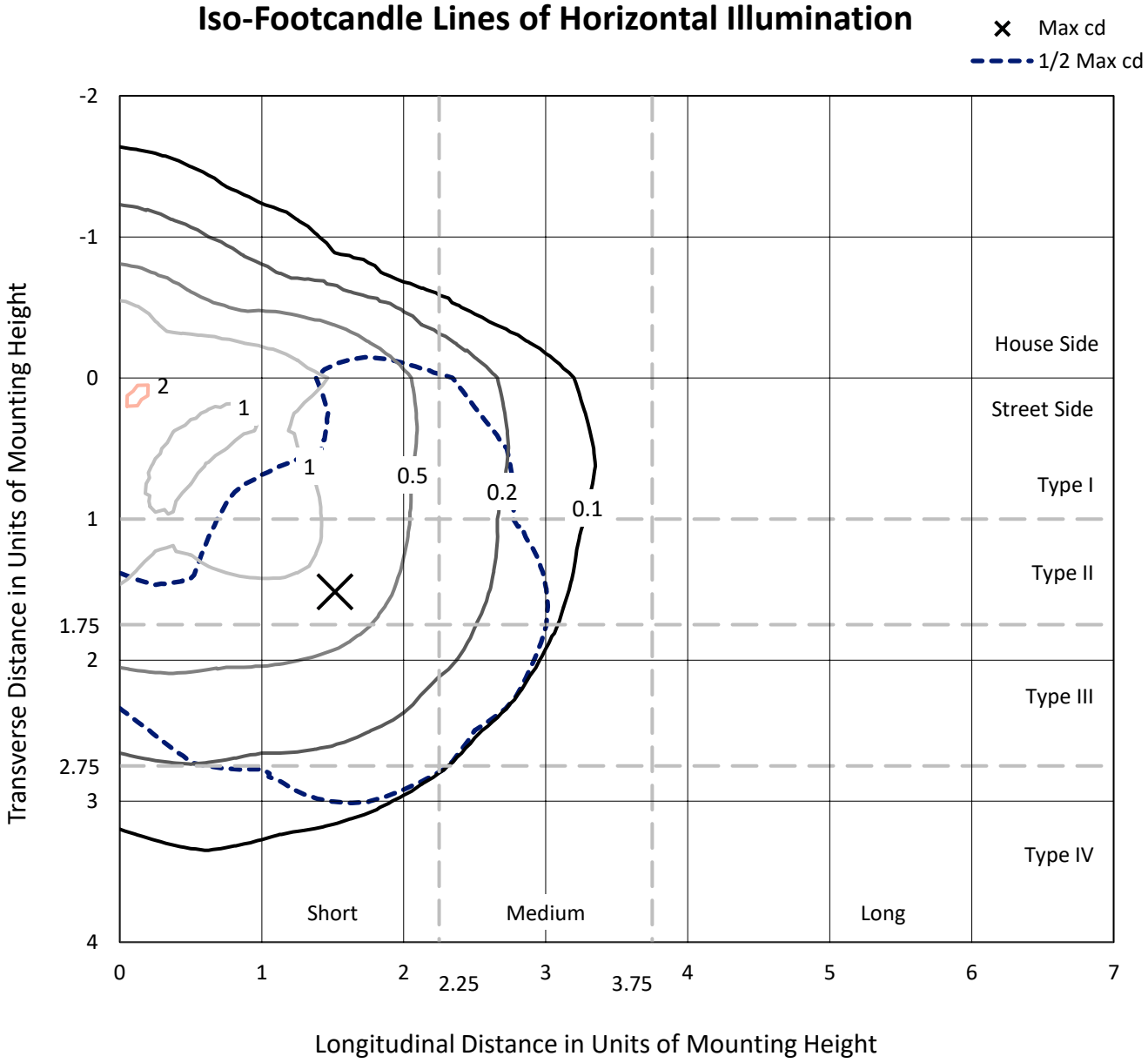
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



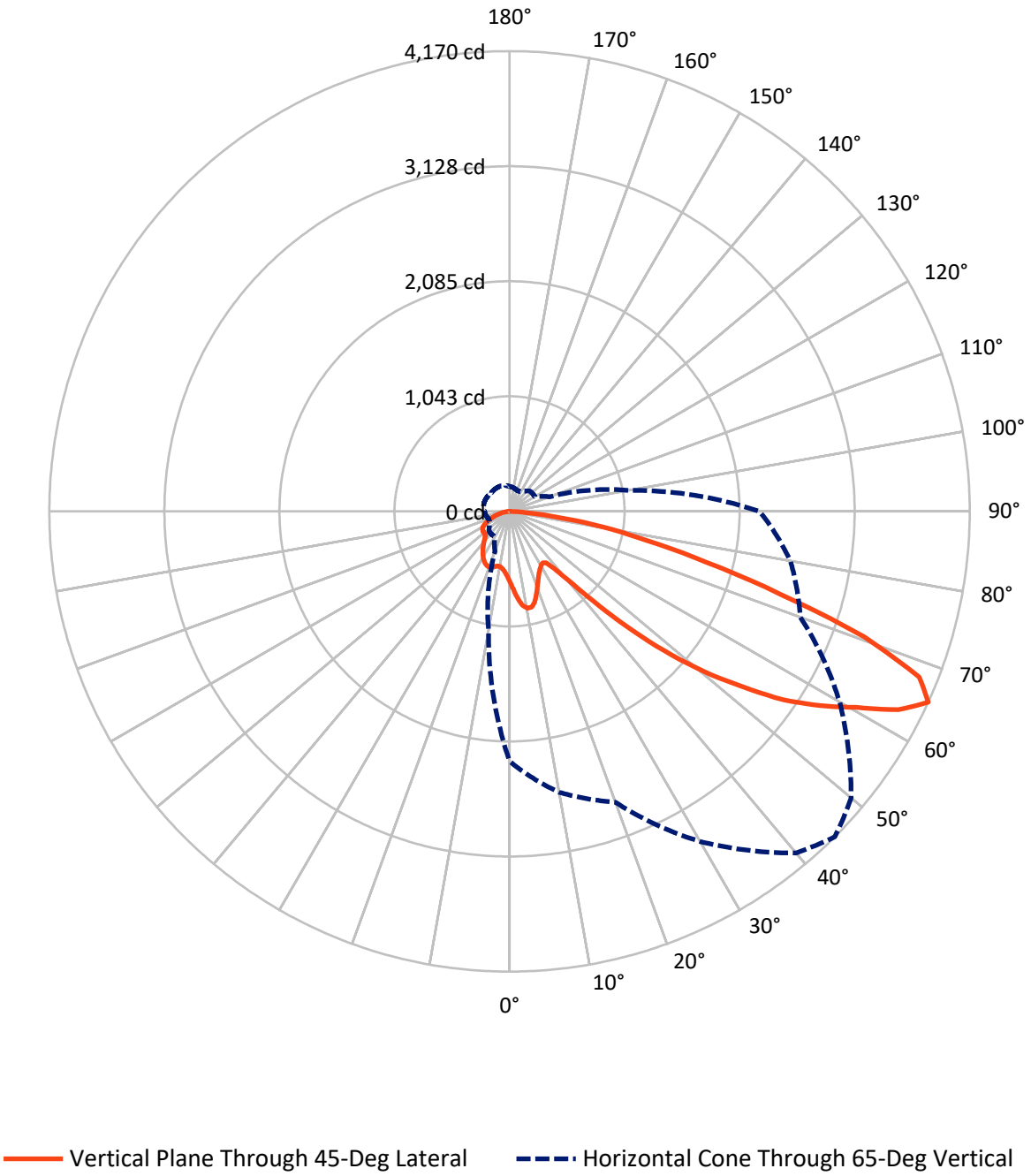
Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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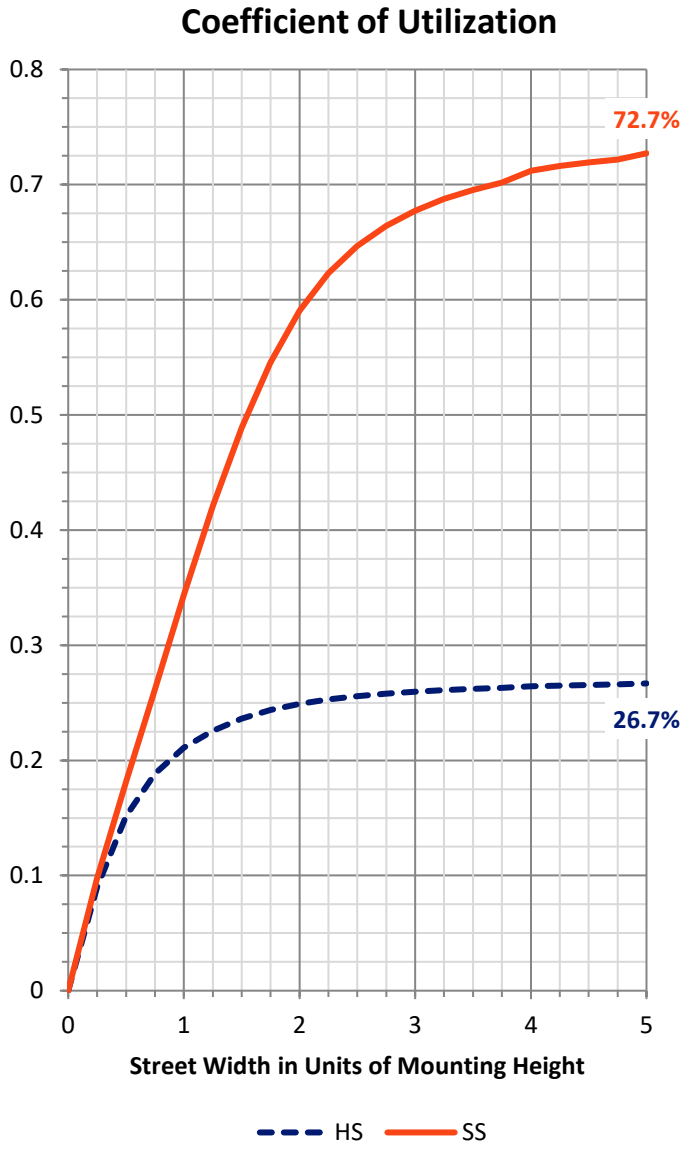
REPORT NUMBER: P1364912
CATALOG NUMBER: GSS-SB1B-722-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1082.4	0.0	1082.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2941.0	0.0	2941.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	4023.3	0.0	4023.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	1.6
10°-20°	194.1	4.8
20°-30°	300.4	7.5
30°-40°	372.7	9.3
40°-50°	545.1	13.5
50°-60°	853.8	21.2
60°-70°	1013.1	25.2
70°-80°	590.9	14.7
80°-90°	89.9	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°	4023.3	100.0
0°-180°	4023.3	100.0



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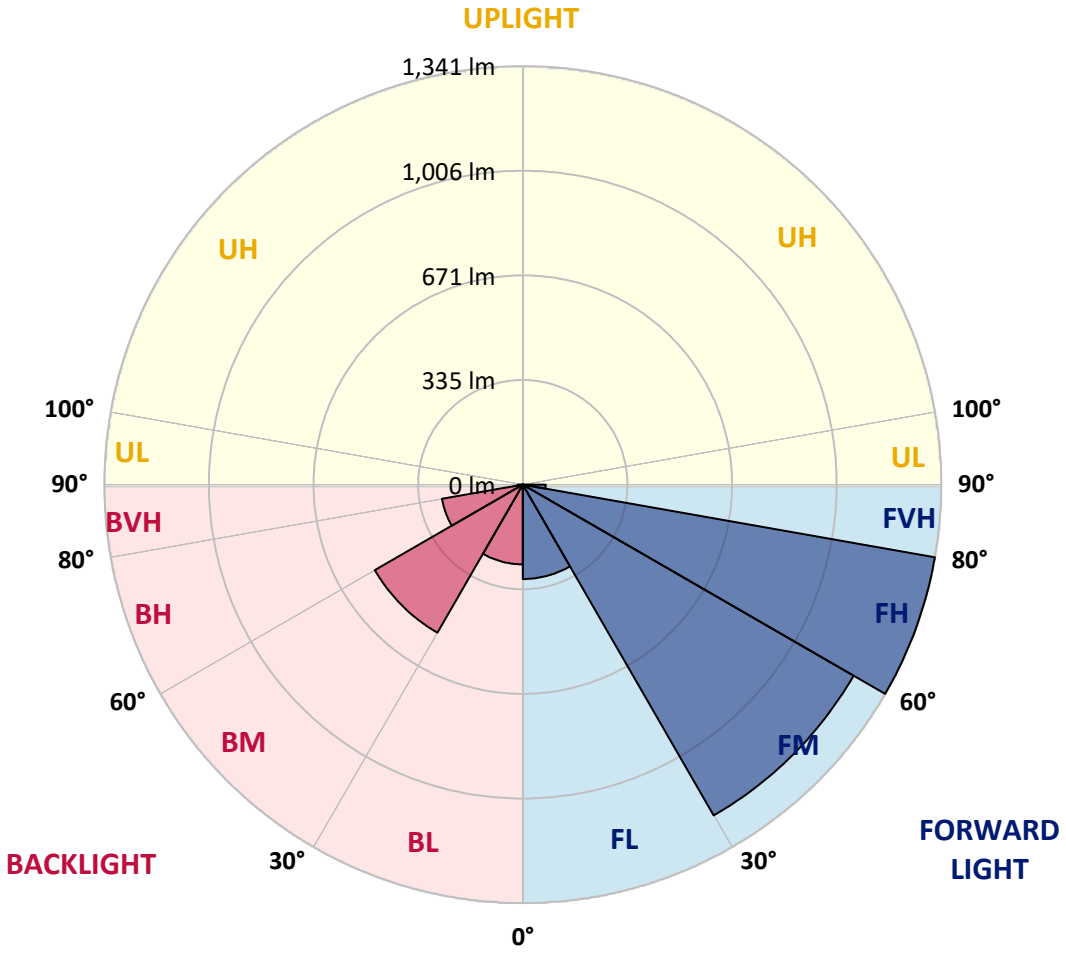
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	302.4	7.5			
FM	(30°-60°)	1224.0	30.4			
FH	(60°-80°)	1341.1	33.3			G1/1800
FVH	(80°-90°)	73.5	1.8			G1/100
BL	(0°-30°)	255.5	6.4	B1/500		
BM	(30°-60°)	547.6	13.6	B1/1000		
BH	(60°-80°)	262.9	6.5	B1/500		G1/500
BVH	(80°-90°)	16.4	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°	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	*641.5*	641.5
2.5°	693.2	695.6	698.1	700.8	703.5	705.1	706.7	708.3	709.9	*711.4*	709.9
5°	740.4	751.5	762.6	770.0	777.5	783.2	788.9	792.2	795.5	*796.0*	795.5
7.5°	788.1	801.3	814.5	825.9	837.3	844.6	851.9	856.1	860.5	*861.9*	860.5
10°	818.1	833.6	849.1	860.2	871.3	878.1	884.8	888.1	891.5	*892.4*	891.5
12.5°	833.4	848.3	863.1	871.7	880.1	884.5	888.7	890.3	891.6	*890.5*	891.6
15°	840.8	849.5	858.2	861.8	865.4	863.3	861.1	858.1	855.0	*853.1*	855.0
17.5°	842.7	845.8	848.9	842.4	835.9	824.1	812.2	803.4	794.5	*788.1*	794.5
20°	849.1	844.2	839.3	821.8	804.4	782.2	760.1	745.2	730.3	*721.2*	730.3
22.5°	856.0	842.2	828.3	798.9	769.4	739.1	708.9	691.8	674.8	*665.1*	674.8
25°	866.9	843.0	819.1	779.4	739.7	704.1	668.6	650.0	631.5	*620.9*	631.5
27.5°	882.6	846.2	809.8	760.6	711.4	672.8	634.2	616.4	598.7	*589.4*	598.7
30°	904.7	856.4	808.0	749.2	690.2	649.9	609.6	592.2	574.8	*564.8*	574.8
32.5°	931.8	870.8	809.8	743.9	677.9	636.8	595.8	579.1	562.6	*554.0*	562.6
35°	977.5	900.3	823.1	750.0	677.0	638.8	600.7	588.5	576.4	*571.7*	576.4
37.5°	1035.6	945.4	855.0	779.8	704.5	678.5	652.6	652.6	652.6	*656.3*	652.6
40°	1121.2	1019.9	918.5	847.3	776.1	774.6	773.2	789.7	806.3	*813.7*	806.3
42.5°	1241.2	1134.1	1027.0	969.6	912.1	946.6	981.0	1028.8	1076.6	*1107.9*	1076.6
45°	1390.3	1286.0	1181.7	1141.6	1101.5	1178.2	1254.7	1339.2	1423.8	*1483.8*	1423.8
47.5°	1533.0	1445.2	1357.4	1334.4	1311.6	1439.0	1566.4	1690.3	1814.2	*1887.2*	1814.2
50°	1698.3	1619.4	1540.4	1535.9	1531.5	1701.2	1871.0	2030.9	2190.8	*2279.8*	2190.8
52.5°	1910.3	1823.6	1736.9	1740.4	1743.7	1945.4	2147.0	2340.3	2533.7	*2634.0*	2533.7
55°	2163.7	2055.0	1946.2	1945.7	1945.1	2176.7	2408.5	2646.0	2883.7	*3017.8*	2883.7
57.5°	2422.0	2320.1	2218.3	2194.1	2169.8	2412.0	2654.2	2916.5	3178.9	*3319.8*	3178.9
60°	2615.8	2559.7	2503.6	2464.9	2426.2	2674.9	2923.8	3194.8	3465.6	*3606.2*	3465.6
62.5°	2535.6	2635.9	2736.2	2733.3	2730.4	2999.0	3267.5	3549.3	3831.3	*3957.4*	3831.3
65°	*2265.0*	*2424.9*	*2584.8*	*2694.8*	*2804.7*	*3129.3*	*3453.8*	*3747.4*	*4041.1*	*4170.0*	*4041.1*
67.5°	2011.2	2152.1	2293.1	2383.1	2473.1	2838.9	3204.7	3537.9	3871.0	*4003.7*	3871.0
70°	1768.1	1924.2	2080.3	2144.6	2209.0	2519.7	2830.3	3093.9	3357.4	*3409.4*	3357.4
72.5°	1517.7	1703.3	1889.0	1916.2	1943.5	2169.6	2395.7	2536.1	2676.5	*2563.2*	2676.5
75°	1242.7	1452.1	1661.4	1679.6	1697.8	1768.2	1838.8	1874.5	1910.3	*1845.9*	1910.3
77.5°	826.5	1007.8	1189.1	1229.9	1270.8	1317.7	1364.7	1362.3	1359.8	*1269.3*	1359.8
80°	485.1	626.9	768.7	774.0	779.3	814.5	849.6	885.5	921.5	*863.9*	921.5
82.5°	242.5	320.4	398.3	410.3	422.3	443.9	465.4	475.4	485.6	*436.9*	485.6
85°	55.1	75.4	95.6	115.2	134.8	157.4	180.1	177.5	174.9	*147.6*	174.9
87.5°	4.4	4.5	4.7	4.8	4.9	5.0	5.1	5.4	5.7	*5.9*	5.7
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°	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5
2.5°	708.3	706.7	705.1	703.5	700.8	698.1	695.6	693.2	686.9	680.7	675.0
5°	792.2	788.9	783.2	777.5	770.0	762.6	751.5	740.4	729.3	718.3	706.7
7.5°	856.1	851.9	844.6	837.3	825.9	814.5	801.3	788.1	769.4	750.7	733.1
10°	888.1	884.8	878.1	871.3	860.2	849.1	833.6	818.1	795.8	773.4	751.5
12.5°	890.3	888.7	884.5	880.1	871.7	863.1	848.3	833.4	811.2	788.9	764.4
15°	858.1	861.1	863.3	865.4	861.8	858.2	849.5	840.8	818.2	795.8	770.9
17.5°	803.4	812.2	824.1	835.9	842.4	848.9	845.8	842.7	821.7	800.7	774.2
20°	745.2	760.1	782.2	804.4	821.8	839.3	844.2	849.1	827.9	806.6	778.1
22.5°	691.8	708.9	739.1	769.4	798.9	828.3	842.2	856.0	836.5	817.2	785.8
25°	650.0	668.6	704.1	739.7	779.4	819.1	843.0	866.9	850.0	833.2	799.0
27.5°	616.4	634.2	672.8	711.4	760.6	809.8	846.2	882.6	869.7	856.8	818.2
30°	592.2	609.6	649.9	690.2	749.2	808.0	856.4	904.7	894.6	884.6	841.1
32.5°	579.1	595.8	636.8	677.9	743.9	809.8	870.8	931.8	925.5	919.2	867.9
35°	588.5	600.7	638.8	677.0	750.0	823.1	900.3	977.5	969.7	961.8	896.5
37.5°	652.6	652.6	678.5	704.5	779.8	855.0	945.4	1035.6	1026.3	1016.9	931.3
40°	789.7	773.2	774.6	776.1	847.3	918.5	1019.9	1121.2	1102.8	1084.3	971.2
42.5°	1028.8	981.0	946.6	912.1	969.6	1027.0	1134.1	1241.2	1202.3	1163.2	1015.2
45°	1339.2	1254.7	1178.2	1101.5	1141.6	1181.7	1286.0	1390.3	1327.8	1265.4	1075.1
47.5°	1690.3	1566.4	1439.0	1311.6	1334.4	1357.4	1445.2	1533.0	1453.9	1374.8	1136.6
50°	2030.9	1871.0	1701.2	1531.5	1535.9	1540.4	1619.4	1698.3	1591.0	1483.8	1190.2
52.5°	2340.3	2147.0	1945.4	1743.7	1740.4	1736.9	1823.6	1910.3	1740.0	1569.6	1215.6
55°	2646.0	2408.5	2176.7	1945.1	1945.7	1946.2	2055.0	2163.7	1889.7	1615.6	1208.9
57.5°	2916.5	2654.2	2412.0	2169.8	2194.1	2218.3	2320.1	2422.0	2015.3	1608.7	1172.4
60°	3194.8	2923.8	2674.9	2426.2	2464.9	2503.6	2559.7	2615.8	2071.6	1527.3	1084.9
62.5°	3549.3	3267.5	2999.0	2730.4	2733.3	2736.2	2635.9	2535.6	1946.7	1357.8	941.5
65°	*3747.4*	*3453.8*	*3129.3*	*2804.7*	*2694.8*	*2584.8*	*2424.9*	*2265.0*	*1679.1*	*1093.2*	*738.5*
67.5°	3537.9	3204.7	2838.9	2473.1	2383.1	2293.1	2152.1	2011.2	1442.1	873.0	574.7
70°	3093.9	2830.3	2519.7	2209.0	2144.6	2080.3	1924.2	1768.1	1225.1	682.1	440.4
72.5°	2536.1	2395.7	2169.6	1943.5	1916.2	1889.0	1703.3	1517.7	1017.3	516.8	331.1
75°	1874.5	1838.8	1768.2	1697.8	1679.6	1661.4	1452.1	1242.7	812.2	381.8	245.4
77.5°	1362.3	1364.7	1317.7	1270.8	1229.9	1189.1	1007.8	826.5	532.9	239.3	158.6
80°	885.5	849.6	814.5	779.3	774.0	768.7	626.9	485.1	305.5	125.9	87.7
82.5°	475.4	465.4	443.9	422.3	410.3	398.3	320.4	242.5	153.1	63.8	47.1
85°	177.5	180.1	157.4	134.8	115.2	95.6	75.4	55.1	36.4	17.7	15.0
87.5°	5.4	5.1	5.0	4.9	4.8	4.7	4.5	4.4	4.3	4.1	4.0
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°	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5
2.5°	669.3	663.6	657.8	652.3	646.6	641.0	636.1	630.8	625.6	621.5	617.4
5°	695.2	683.8	672.5	661.8	651.2	640.1	630.5	621.1	611.8	604.1	596.5
7.5°	715.5	699.8	684.0	670.0	655.8	641.0	629.5	618.0	606.6	596.7	586.6
10°	729.6	710.2	690.7	674.5	658.3	642.5	630.2	618.1	606.1	595.9	585.6
12.5°	739.9	718.2	696.4	678.5	660.7	643.5	631.5	621.5	611.5	604.3	597.3
15°	746.0	722.6	699.1	678.9	658.8	639.6	628.9	622.4	615.9	615.4	614.8
17.5°	747.6	720.8	694.2	670.7	647.2	624.8	615.8	614.9	614.0	623.7	633.5
20°	749.6	718.2	686.8	655.9	625.0	595.3	589.6	595.2	600.7	619.8	638.8
22.5°	754.5	716.1	677.7	639.0	600.2	564.8	559.4	567.6	575.8	600.7	625.6
25°	764.7	715.9	667.1	618.8	570.5	529.9	529.4	538.3	547.3	570.3	593.3
27.5°	779.8	717.8	655.8	598.1	540.4	498.9	501.3	509.9	518.5	535.7	552.8
30°	797.5	721.8	646.3	580.1	514.1	473.8	476.4	483.1	489.8	502.2	514.6
32.5°	816.7	726.3	636.1	564.4	492.8	455.6	455.6	458.4	461.3	469.3	477.4
35°	831.2	725.3	619.4	546.5	473.5	444.7	438.6	436.3	433.9	439.2	444.5
37.5°	845.7	722.2	598.7	526.6	454.6	432.0	420.3	414.0	407.5	410.1	412.5
40°	858.0	715.3	572.7	502.9	433.1	415.2	400.7	391.2	381.8	381.6	381.3
42.5°	867.1	703.4	539.7	474.7	409.5	397.0	379.0	367.0	355.0	353.7	352.4
45°	884.8	695.3	505.7	445.9	386.2	374.9	357.0	344.6	332.4	330.4	328.4
47.5°	898.3	685.7	473.1	417.4	361.9	348.8	332.1	321.6	310.9	309.7	308.5
50°	896.6	669.5	442.3	392.0	341.6	323.7	307.2	298.5	289.8	291.2	292.7
52.5°	861.4	636.2	411.1	369.2	327.5	304.5	286.8	280.3	273.7	278.4	282.9
55°	802.1	592.1	382.0	350.1	318.0	295.2	274.3	267.0	259.8	266.3	272.7
57.5°	736.0	546.0	356.0	334.0	311.9	292.7	267.1	256.9	246.8	253.3	259.8
60°	642.5	487.6	332.8	317.3	301.9	286.8	261.2	248.4	235.7	240.0	244.2
62.5°	525.2	413.6	302.1	293.4	284.9	278.5	254.1	237.3	220.6	221.2	221.6
65°	*383.9*	*325.1*	*266.2*	*264.3*	*262.5*	*260.7*	*240.6*	*222.6*	*204.7*	*202.7*	*200.7*
67.5°	276.5	248.5	220.6	225.8	231.0	233.7	219.9	204.1	188.1	184.1	180.1
70°	198.8	188.9	179.1	186.9	194.6	193.8	187.1	177.7	168.3	165.7	163.1
72.5°	145.4	145.2	145.1	151.0	156.9	149.1	153.3	151.1	149.1	147.2	145.4
75°	109.0	108.3	107.7	114.7	121.8	125.0	127.7	126.5	125.5	124.1	122.8
77.5°	77.9	78.5	78.9	86.6	94.3	103.3	103.8	101.2	98.6	97.2	95.6
80°	49.4	50.0	50.4	58.4	66.4	79.2	78.7	75.6	72.3	71.2	70.1
82.5°	30.5	30.6	30.7	34.6	38.6	45.8	47.7	47.7	47.7	47.0	46.2
85°	12.3	12.9	13.6	16.1	18.7	22.6	23.8	24.0	24.1	23.0	21.8
87.5°	3.9	4.1	4.4	4.9	5.4	5.9	6.9	7.5	8.1	8.7	9.1
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: P1364912
CATALOG NUMBER: GSS-SB1B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5
2.5°	613.9	610.2	606.0	601.7	598.6	595.5	593.4	591.4	590.4	589.4	588.6
5°	590.2	583.7	578.0	572.2	567.6	563.0	559.3	555.4	553.9	552.2	551.1
7.5°	578.2	569.7	562.6	555.4	548.6	542.0	537.6	533.3	530.7	528.2	526.3
10°	576.7	567.7	558.4	549.0	541.6	534.1	527.6	521.3	517.7	514.1	512.1
12.5°	589.0	580.7	569.6	558.4	548.3	538.2	530.2	522.3	517.8	513.4	510.5
15°	611.9	609.1	598.7	588.4	574.4	560.4	548.9	537.4	531.1	524.6	521.0
17.5°	639.1	644.7	637.5	630.2	610.5	590.9	573.8	556.9	547.7	538.4	535.2
20°	653.9	669.1	668.3	667.6	641.9	616.1	593.8	571.5	559.1	546.9	542.0
22.5°	647.4	669.3	674.9	680.4	655.2	629.9	602.4	574.8	560.3	545.6	541.0
25°	616.8	640.4	650.8	661.2	640.4	619.7	592.9	566.3	550.9	535.5	530.7
27.5°	571.7	590.6	602.3	614.0	601.3	588.6	566.9	545.3	531.7	518.0	513.0
30°	527.4	540.2	549.5	558.9	550.5	542.2	526.6	511.2	501.0	491.0	487.8
32.5°	487.0	496.4	501.6	506.7	500.2	493.7	483.5	473.3	467.0	460.7	458.6
35°	452.2	460.0	463.9	467.9	462.5	457.0	447.9	438.8	434.3	429.8	428.1
37.5°	419.1	425.6	431.2	436.9	432.9	429.0	421.2	413.5	408.1	402.6	399.7
40°	387.6	393.8	400.9	407.8	407.2	406.4	399.0	391.6	383.9	376.4	372.3
42.5°	358.6	364.8	372.3	379.8	381.3	382.8	376.7	370.5	361.6	352.7	346.5
45°	333.8	339.3	347.4	355.7	359.1	362.6	357.1	351.5	341.5	331.6	324.2
47.5°	314.1	319.8	328.8	338.0	341.6	345.4	341.6	338.0	329.4	320.8	314.3
50°	298.9	305.0	312.1	319.3	326.1	332.8	332.1	331.4	324.6	317.8	311.7
52.5°	288.5	294.2	301.6	309.0	316.0	323.2	324.3	325.5	320.6	315.6	310.3
55°	279.5	286.3	293.2	300.1	306.8	313.4	314.9	316.3	312.8	309.2	305.2
57.5°	267.1	274.5	281.4	288.3	296.1	303.8	305.0	306.2	302.5	298.6	295.7
60°	251.8	259.3	266.5	273.5	281.4	289.3	290.9	292.4	289.5	286.5	283.8
62.5°	230.1	238.6	244.5	250.4	257.9	265.5	267.7	270.1	268.7	267.4	264.3
65°	*208.8*	*217.0*	*221.6*	*226.3*	*232.8*	*239.3*	*241.6*	*243.8*	*243.1*	*242.5*	*240.3*
67.5°	187.5	195.0	198.9	202.7	207.1	211.5	214.1	216.7	215.4	214.0	211.6
70°	169.2	175.3	178.7	182.0	185.6	189.1	190.5	191.9	189.9	187.9	182.6
72.5°	150.1	154.7	157.5	160.4	163.7	167.1	167.9	168.7	165.7	162.5	156.3
75°	126.3	129.9	132.0	134.3	137.8	141.2	142.7	144.1	139.8	135.6	129.0
77.5°	98.9	102.1	104.2	106.3	109.1	112.0	112.4	113.0	109.2	105.5	101.5
80°	72.4	74.8	75.6	76.3	78.6	80.9	80.9	80.9	78.1	75.3	73.3
82.5°	45.8	45.3	44.3	43.3	45.7	48.0	48.8	49.7	48.4	47.2	45.1
85°	20.5	18.9	18.6	18.2	18.1	17.9	18.6	19.2	18.9	18.7	17.9
87.5°	9.6	10.0	9.7	9.3	9.0	8.7	7.9	7.1	6.5	5.9	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1364912
CATALOG NUMBER: GSS-SB1B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5
2.5°	587.9	587.4	587.9	588.6	589.4	590.4	591.4	593.4	595.5	598.6	601.7
5°	550.0	549.0	550.0	551.1	552.2	553.9	555.4	559.3	563.0	567.6	572.2
7.5°	524.4	523.5	524.4	526.3	528.2	530.7	533.3	537.6	542.0	548.6	555.4
10°	510.2	508.7	510.2	512.1	514.1	517.7	521.3	527.6	534.1	541.6	549.0
12.5°	507.5	505.7	507.5	510.5	513.4	517.8	522.3	530.2	538.2	548.3	558.4
15°	517.4	514.6	517.4	521.0	524.6	531.1	537.4	548.9	560.4	574.4	588.4
17.5°	531.8	530.3	531.8	535.2	538.4	547.7	556.9	573.8	590.9	610.5	630.2
20°	537.0	535.3	537.0	542.0	546.9	559.1	571.5	593.8	616.1	641.9	667.6
22.5°	536.2	534.3	536.2	541.0	545.6	560.3	574.8	602.4	629.9	655.2	680.4
25°	525.9	524.4	525.9	530.7	535.5	550.9	566.3	592.9	619.7	640.4	661.2
27.5°	507.9	504.8	507.9	513.0	518.0	531.7	545.3	566.9	588.6	601.3	614.0
30°	484.6	483.1	484.6	487.8	491.0	501.0	511.2	526.6	542.2	550.5	558.9
32.5°	456.5	455.6	456.5	458.6	460.7	467.0	473.3	483.5	493.7	500.2	506.7
35°	426.5	425.1	426.5	428.1	429.8	434.3	438.8	447.9	457.0	462.5	467.9
37.5°	396.7	394.6	396.7	399.7	402.6	408.1	413.5	421.2	429.0	432.9	436.9
40°	368.2	366.0	368.2	372.3	376.4	383.9	391.6	399.0	406.4	407.2	407.8
42.5°	340.4	336.5	340.4	346.5	352.7	361.6	370.5	376.7	382.8	381.3	379.8
45°	316.8	311.9	316.8	324.2	331.6	341.5	351.5	357.1	362.6	359.1	355.7
47.5°	307.8	303.1	307.8	314.3	320.8	329.4	338.0	341.6	345.4	341.6	338.0
50°	305.5	301.1	305.5	311.7	317.8	324.6	331.4	332.1	332.8	326.1	319.3
52.5°	305.0	301.1	305.0	310.3	315.6	320.6	325.5	324.3	323.2	316.0	309.0
55°	301.3	298.1	301.3	305.2	309.2	312.8	316.3	314.9	313.4	306.8	300.1
57.5°	292.7	291.2	292.7	295.7	298.6	302.5	306.2	305.0	303.8	296.1	288.3
60°	280.9	278.5	280.9	283.8	286.5	289.5	292.4	290.9	289.3	281.4	273.5
62.5°	261.2	257.8	261.2	264.3	267.4	268.7	270.1	267.7	265.5	257.9	250.4
65°	*238.1*	*234.2*	*238.1*	*240.3*	*242.5*	*243.1*	*243.8*	*241.6*	*239.3*	*232.8*	*226.3*
67.5°	209.4	208.6	209.4	211.6	214.0	215.4	216.7	214.1	211.5	207.1	202.7
70°	177.3	171.2	177.3	182.6	187.9	189.9	191.9	190.5	189.1	185.6	182.0
72.5°	150.1	143.7	150.1	156.3	162.5	165.7	168.7	167.9	167.1	163.7	160.4
75°	122.5	118.1	122.5	129.0	135.6	139.8	144.1	142.7	141.2	137.8	134.3
77.5°	97.6	95.4	97.6	101.5	105.5	109.2	113.0	112.4	112.0	109.1	106.3
80°	71.3	69.9	71.3	73.3	75.3	78.1	80.9	80.9	80.9	78.6	76.3
82.5°	42.8	41.3	42.8	45.1	47.2	48.4	49.7	48.8	48.0	45.7	43.3
85°	17.2	16.7	17.2	17.9	18.7	18.9	19.2	18.6	17.9	18.1	18.2
87.5°	5.1	4.9	5.1	5.5	5.9	6.5	7.1	7.9	8.7	9.0	9.3
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
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364912
CATALOG NUMBER: GSS-SB1B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5
2.5°	606.0	610.2	613.9	617.4	621.5	625.6	630.8	636.1	641.0	646.6	652.3
5°	578.0	583.7	590.2	596.5	604.1	611.8	621.1	630.5	640.1	651.2	661.8
7.5°	562.6	569.7	578.2	586.6	596.7	606.6	618.0	629.5	641.0	655.8	670.0
10°	558.4	567.7	576.7	585.6	595.9	606.1	618.1	630.2	642.5	658.3	674.5
12.5°	569.6	580.7	589.0	597.3	604.3	611.5	621.5	631.5	643.5	660.7	678.5
15°	598.7	609.1	611.9	614.8	615.4	615.9	622.4	628.9	639.6	658.8	678.9
17.5°	637.5	644.7	639.1	633.5	623.7	614.0	614.9	615.8	624.8	647.2	670.7
20°	668.3	669.1	653.9	638.8	619.8	600.7	595.2	589.6	595.3	625.0	655.9
22.5°	674.9	669.3	647.4	625.6	600.7	575.8	567.6	559.4	564.8	600.2	639.0
25°	650.8	640.4	616.8	593.3	570.3	547.3	538.3	529.4	529.9	570.5	618.8
27.5°	602.3	590.6	571.7	552.8	535.7	518.5	509.9	501.3	498.9	540.4	598.1
30°	549.5	540.2	527.4	514.6	502.2	489.8	483.1	476.4	473.8	514.1	580.1
32.5°	501.6	496.4	487.0	477.4	469.3	461.3	458.4	455.6	455.6	492.8	564.4
35°	463.9	460.0	452.2	444.5	439.2	433.9	436.3	438.6	444.7	473.5	546.5
37.5°	431.2	425.6	419.1	412.5	410.1	407.5	414.0	420.3	432.0	454.6	526.6
40°	400.9	393.8	387.6	381.3	381.6	381.8	391.2	400.7	415.2	433.1	502.9
42.5°	372.3	364.8	358.6	352.4	353.7	355.0	367.0	379.0	397.0	409.5	474.7
45°	347.4	339.3	333.8	328.4	330.4	332.4	344.6	357.0	374.9	386.2	445.9
47.5°	328.8	319.8	314.1	308.5	309.7	310.9	321.6	332.1	348.8	361.9	417.4
50°	312.1	305.0	298.9	292.7	291.2	289.8	298.5	307.2	323.7	341.6	392.0
52.5°	301.6	294.2	288.5	282.9	278.4	273.7	280.3	286.8	304.5	327.5	369.2
55°	293.2	286.3	279.5	272.7	266.3	259.8	267.0	274.3	295.2	318.0	350.1
57.5°	281.4	274.5	267.1	259.8	253.3	246.8	256.9	267.1	292.7	311.9	334.0
60°	266.5	259.3	251.8	244.2	240.0	235.7	248.4	261.2	286.8	301.9	317.3
62.5°	244.5	238.6	230.1	221.6	221.2	220.6	237.3	254.1	278.5	284.9	293.4
65°	*221.6*	*217.0*	*208.8*	*200.7*	*202.7*	*204.7*	*222.6*	*240.6*	*260.7*	*262.5*	*264.3*
67.5°	198.9	195.0	187.5	180.1	184.1	188.1	204.1	219.9	233.7	231.0	225.8
70°	178.7	175.3	169.2	163.1	165.7	168.3	177.7	187.1	193.8	194.6	186.9
72.5°	157.5	154.7	150.1	145.4	147.2	149.1	151.1	153.3	149.1	156.9	151.0
75°	132.0	129.9	126.3	122.8	124.1	125.5	126.5	127.7	125.0	121.8	114.7
77.5°	104.2	102.1	98.9	95.6	97.2	98.6	101.2	103.8	103.3	94.3	86.6
80°	75.6	74.8	72.4	70.1	71.2	72.3	75.6	78.7	79.2	66.4	58.4
82.5°	44.3	45.3	45.8	46.2	47.0	47.7	47.7	47.7	45.8	38.6	34.6
85°	18.6	18.9	20.5	21.8	23.0	24.1	24.0	23.8	22.6	18.7	16.1
87.5°	9.7	10.0	9.6	9.1	8.7	8.1	7.5	6.9	5.9	5.4	4.9
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: P1364912
CATALOG NUMBER: GSS-SB1B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	641.5	641.5	641.5	641.5	641.5	641.5	641.5
2.5°	657.8	663.6	669.3	675.0	680.7	686.9	693.2
5°	672.5	683.8	695.2	706.7	718.3	729.3	740.4
7.5°	684.0	699.8	715.5	733.1	750.7	769.4	788.1
10°	690.7	710.2	729.6	751.5	773.4	795.8	818.1
12.5°	696.4	718.2	739.9	764.4	788.9	811.2	833.4
15°	699.1	722.6	746.0	770.9	795.8	818.2	840.8
17.5°	694.2	720.8	747.6	774.2	800.7	821.7	842.7
20°	686.8	718.2	749.6	778.1	806.6	827.9	849.1
22.5°	677.7	716.1	754.5	785.8	817.2	836.5	856.0
25°	667.1	715.9	764.7	799.0	833.2	850.0	866.9
27.5°	655.8	717.8	779.8	818.2	856.8	869.7	882.6
30°	646.3	721.8	797.5	841.1	884.6	894.6	904.7
32.5°	636.1	726.3	816.7	867.9	919.2	925.5	931.8
35°	619.4	725.3	831.2	896.5	961.8	969.7	977.5
37.5°	598.7	722.2	845.7	931.3	1016.9	1026.3	1035.6
40°	572.7	715.3	858.0	971.2	1084.3	1102.8	1121.2
42.5°	539.7	703.4	867.1	1015.2	1163.2	1202.3	1241.2
45°	505.7	695.3	884.8	1075.1	1265.4	1327.8	1390.3
47.5°	473.1	685.7	898.3	1136.6	1374.8	1453.9	1533.0
50°	442.3	669.5	896.6	1190.2	1483.8	1591.0	1698.3
52.5°	411.1	636.2	861.4	1215.6	1569.6	1740.0	1910.3
55°	382.0	592.1	802.1	1208.9	1615.6	1889.7	2163.7
57.5°	356.0	546.0	736.0	1172.4	1608.7	2015.3	2422.0
60°	332.8	487.6	642.5	1084.9	1527.3	2071.6	2615.8
62.5°	302.1	413.6	525.2	941.5	1357.8	1946.7	2535.6
65°	*266.2*	*325.1*	*383.9*	*738.5*	*1093.2*	*1679.1*	*2265.0*
67.5°	220.6	248.5	276.5	574.7	873.0	1442.1	2011.2
70°	179.1	188.9	198.8	440.4	682.1	1225.1	1768.1
72.5°	145.1	145.2	145.4	331.1	516.8	1017.3	1517.7
75°	107.7	108.3	109.0	245.4	381.8	812.2	1242.7
77.5°	78.9	78.5	77.9	158.6	239.3	532.9	826.5
80°	50.4	50.0	49.4	87.7	125.9	305.5	485.1
82.5°	30.7	30.6	30.5	47.1	63.8	153.1	242.5
85°	13.6	12.9	12.3	15.0	17.7	36.4	55.1
87.5°	4.4	4.1	3.9	4.0	4.1	4.3	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

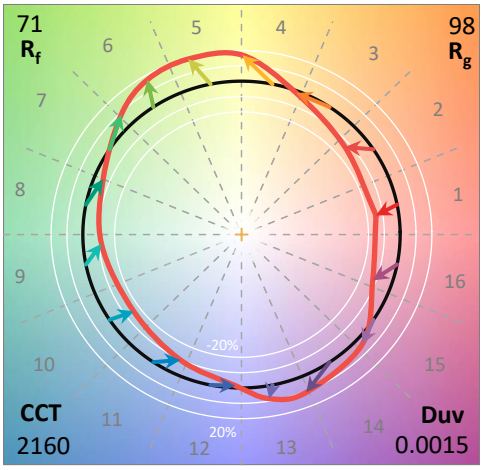
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

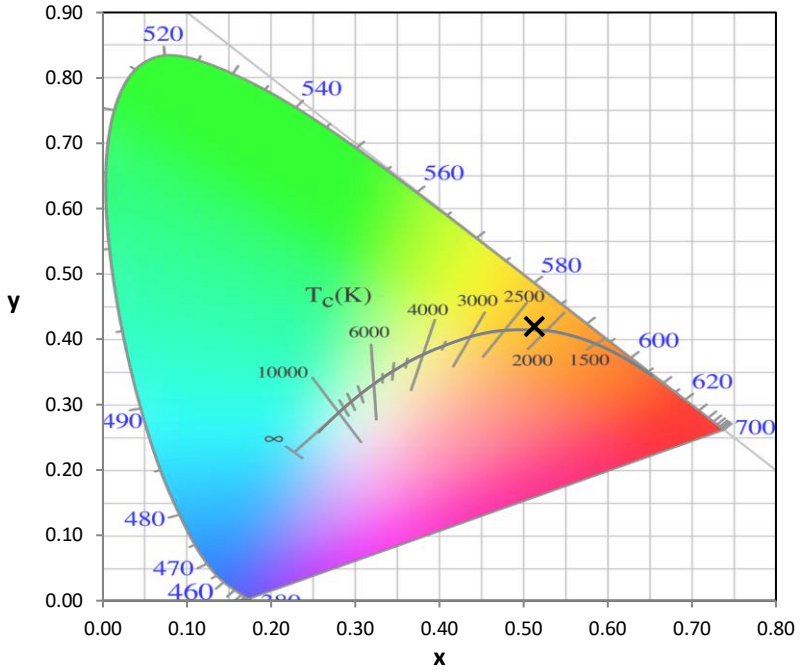
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

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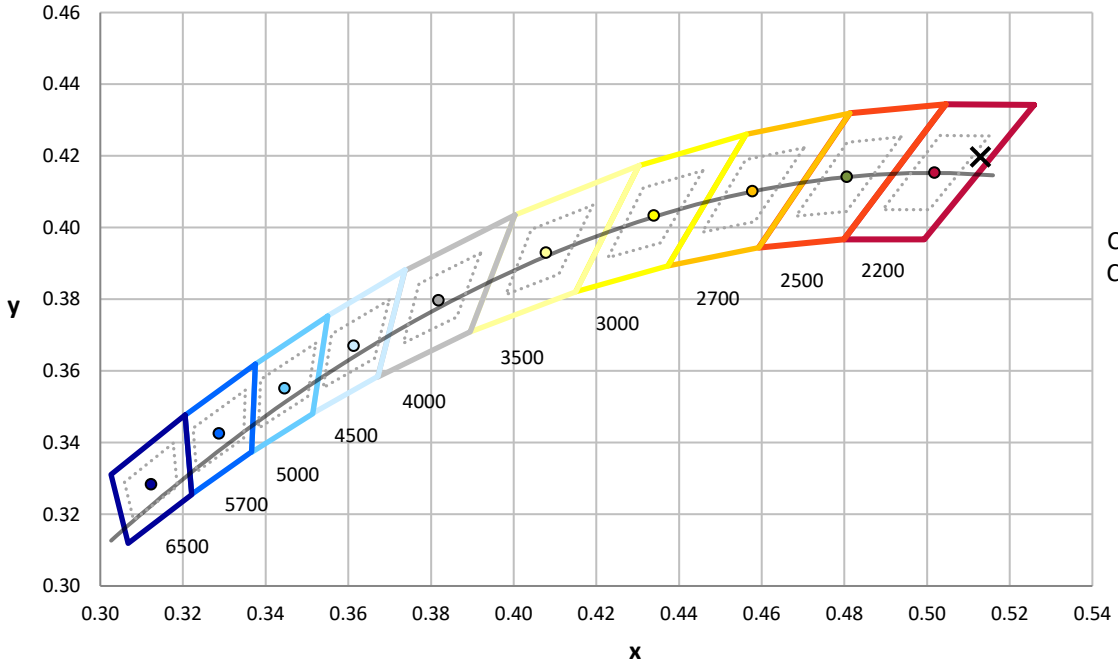
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

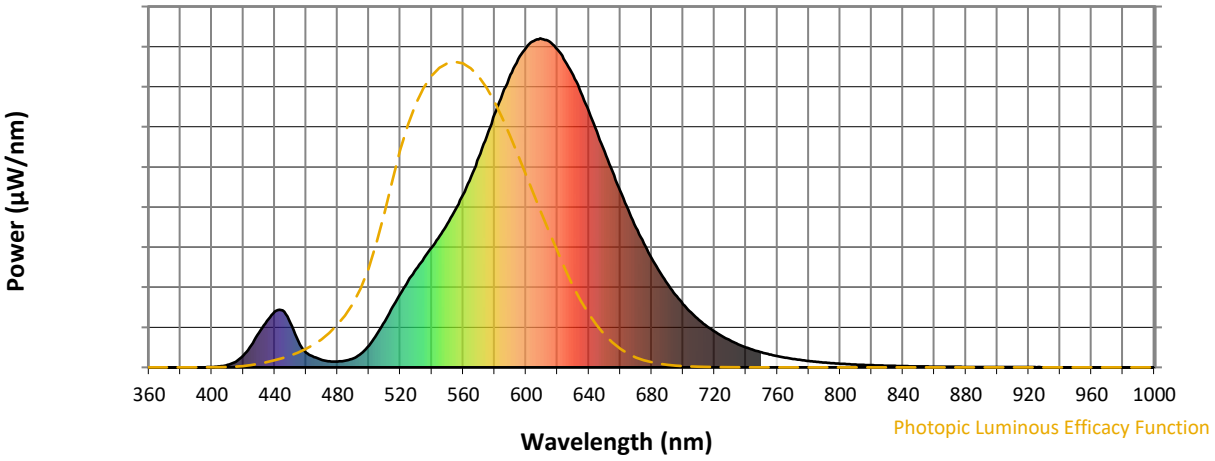


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

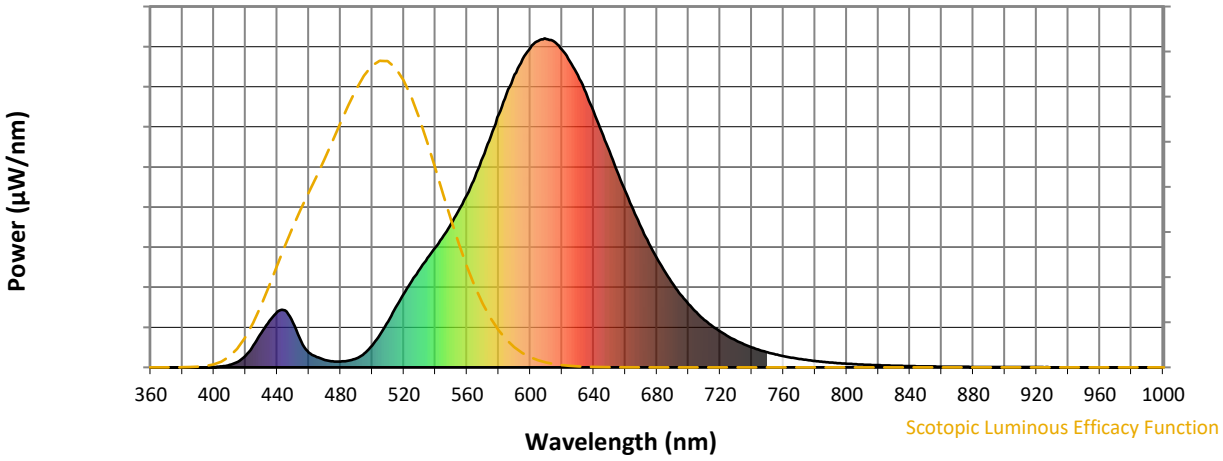


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Scotopic Flux vs. Wavelength

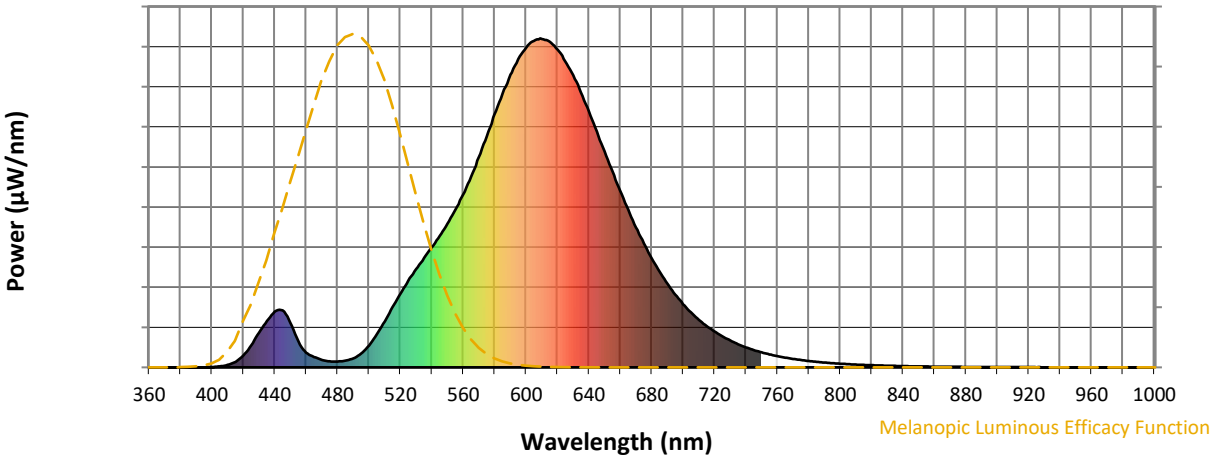


Scotopic Lumens: NR **S/P: 0.8**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

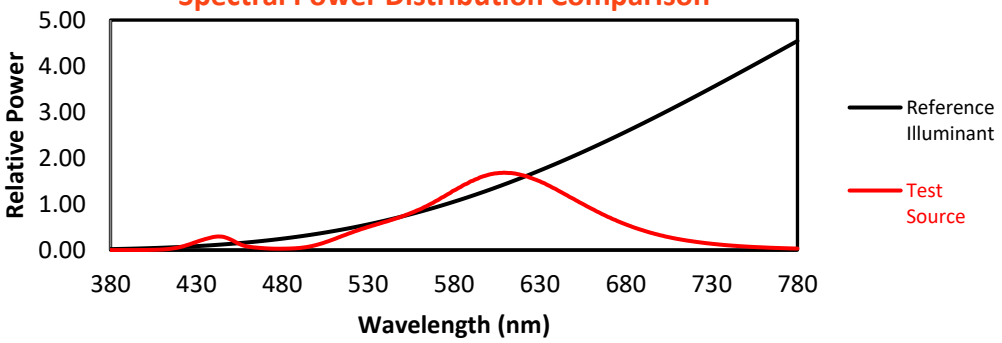
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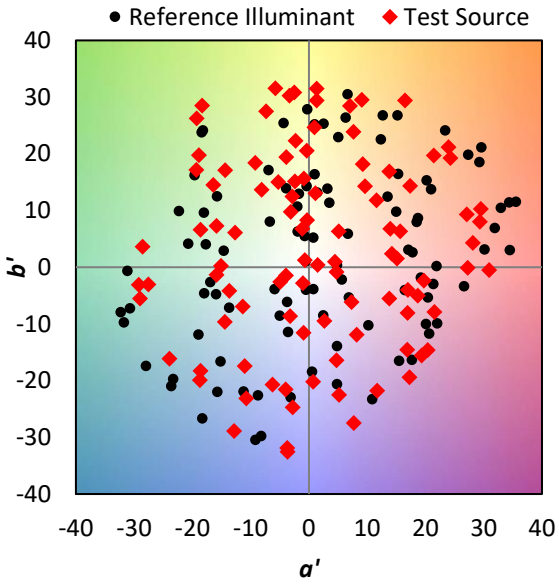
Summary

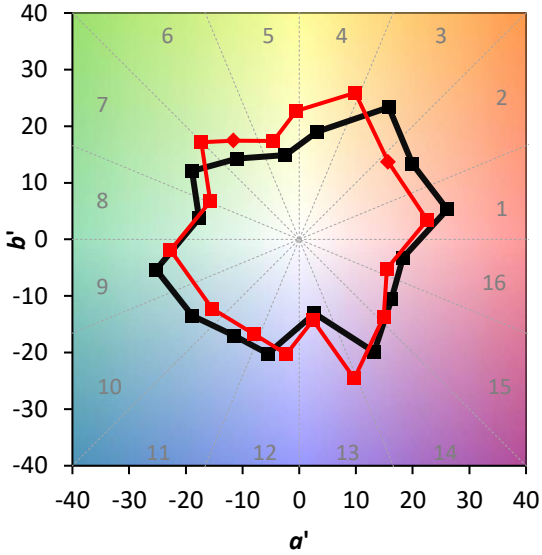
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

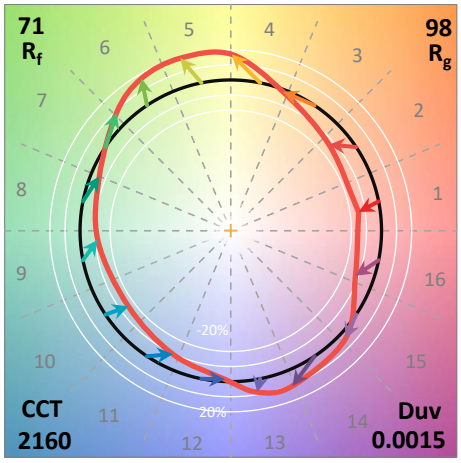
Spectral Power Distribution Comparison

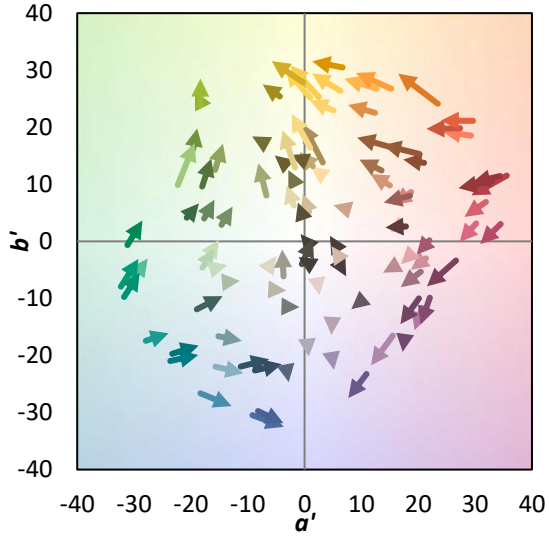


Color Vector Graphics







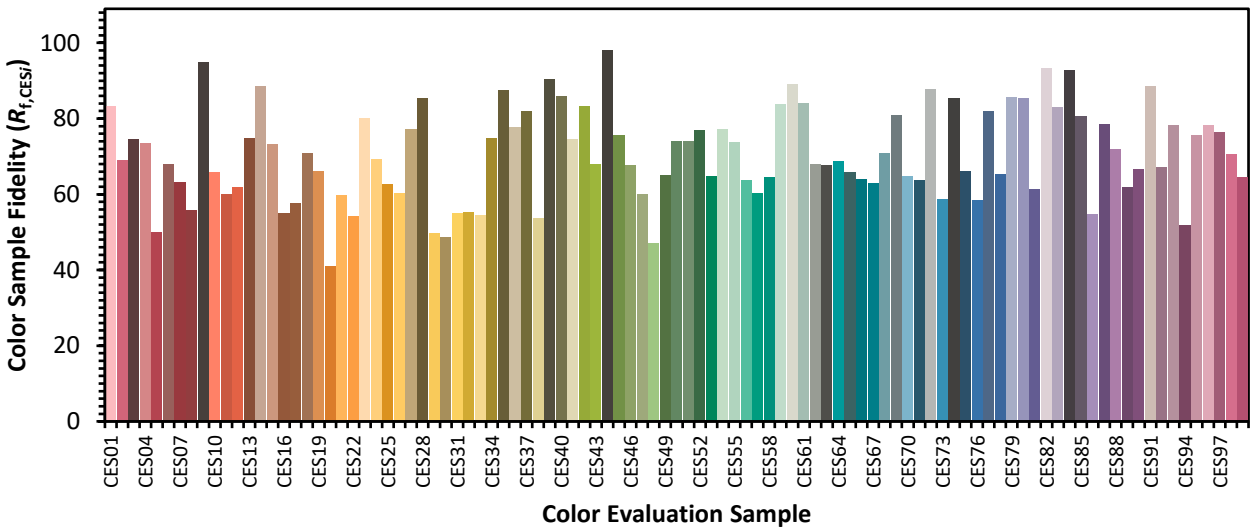


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Individual Sample Fidelity Index ($R_{f,i}$)

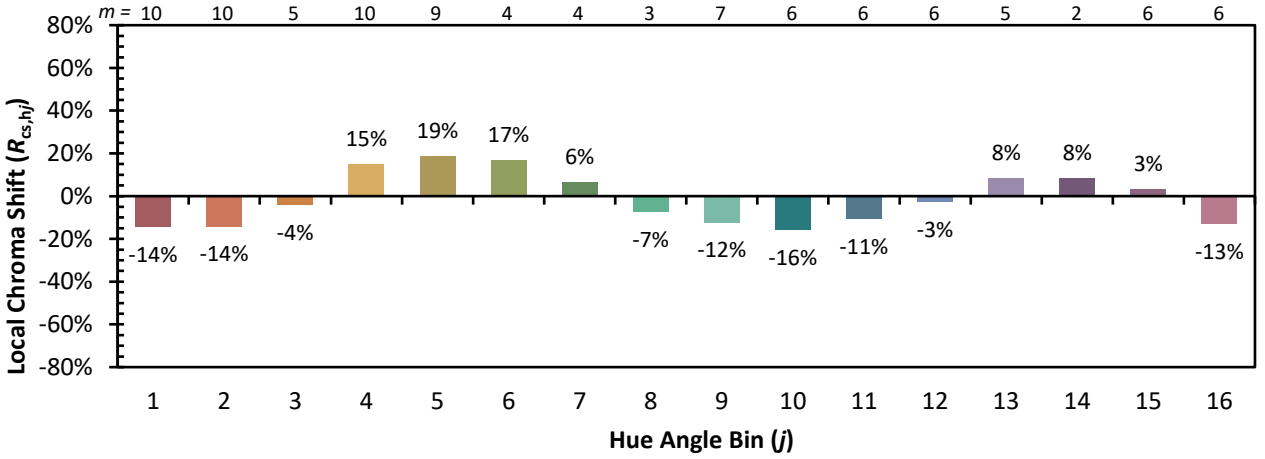
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

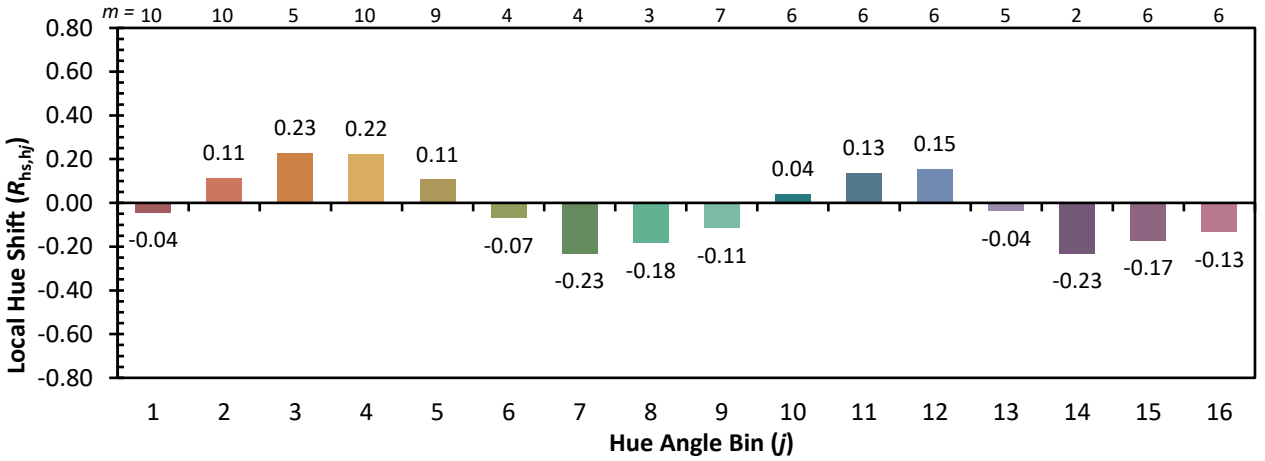


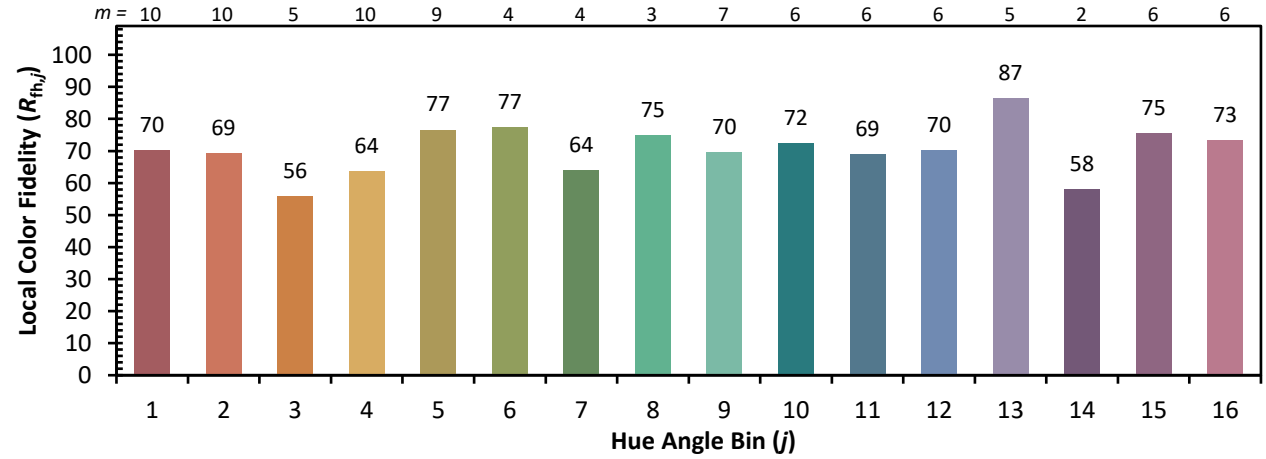
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Color Rendition by Hue-Angle Bin



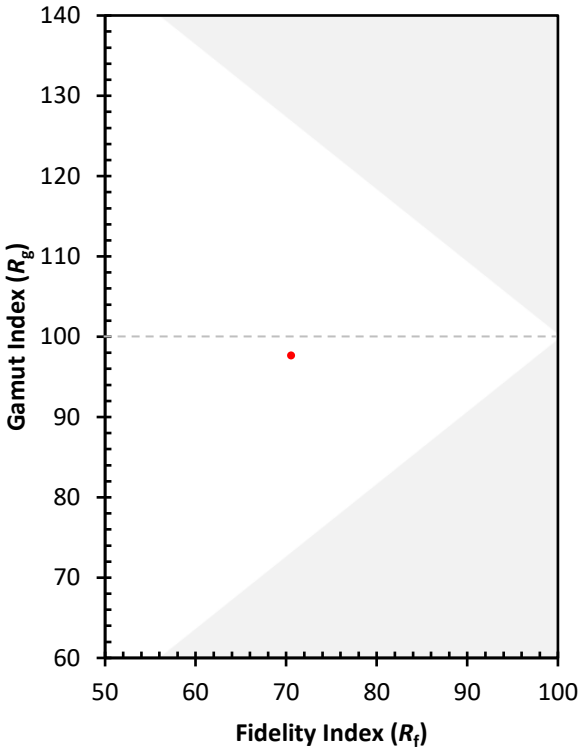


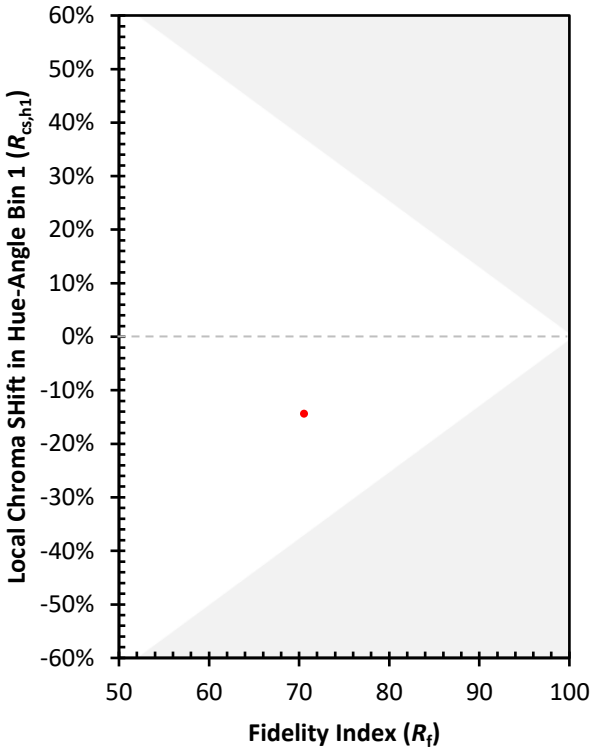


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Measure Comparisons





(END OF REPORT)