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: P1364914

Luminaire Tested: **GSS-SB1D-722-U-SLL**

Issue Date: 02/18/2026

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364914
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-722-U-SLL
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 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:	7292.6 lumens
Efficiency:	N/A
Efficacy:	96.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

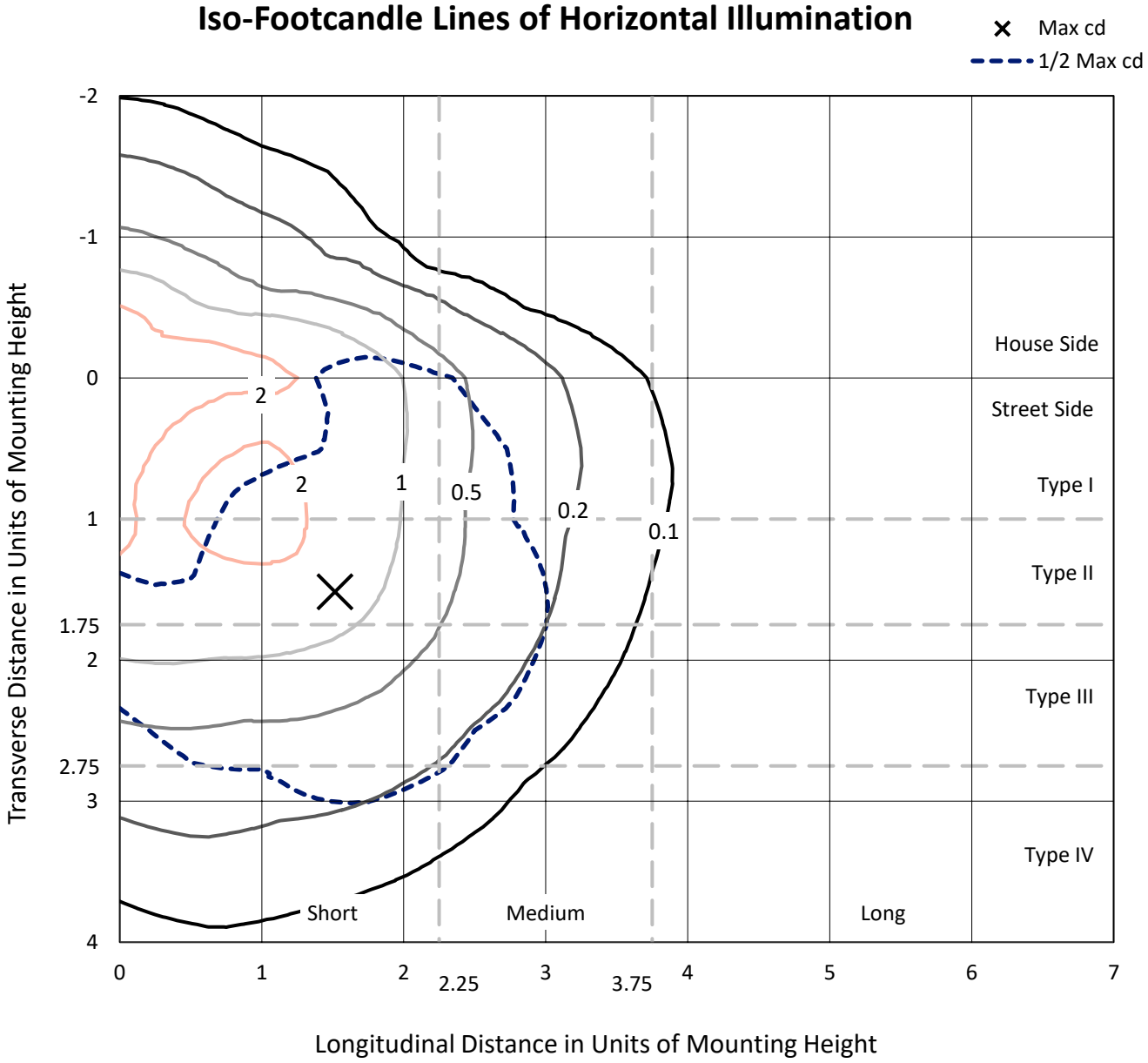
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



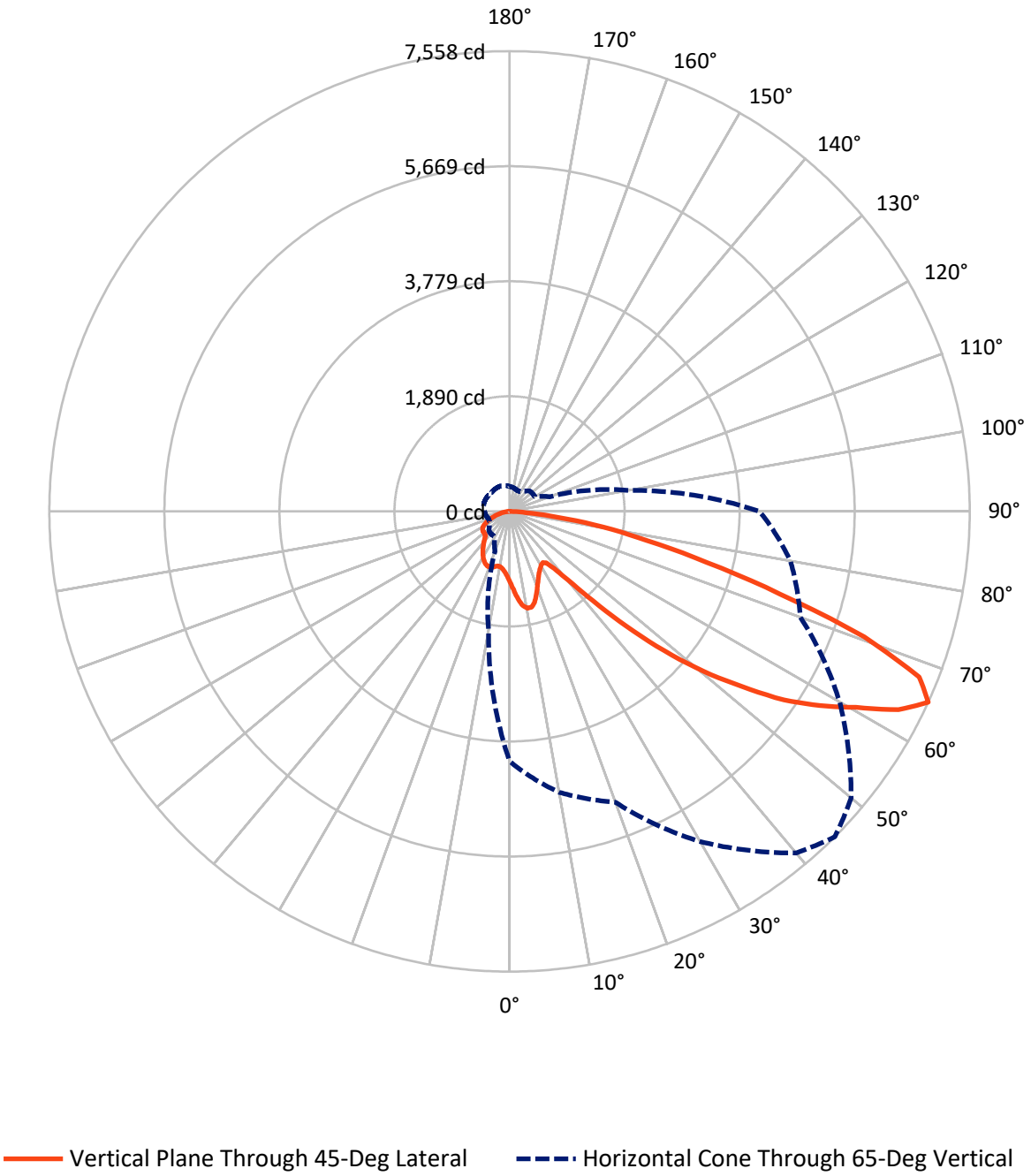
Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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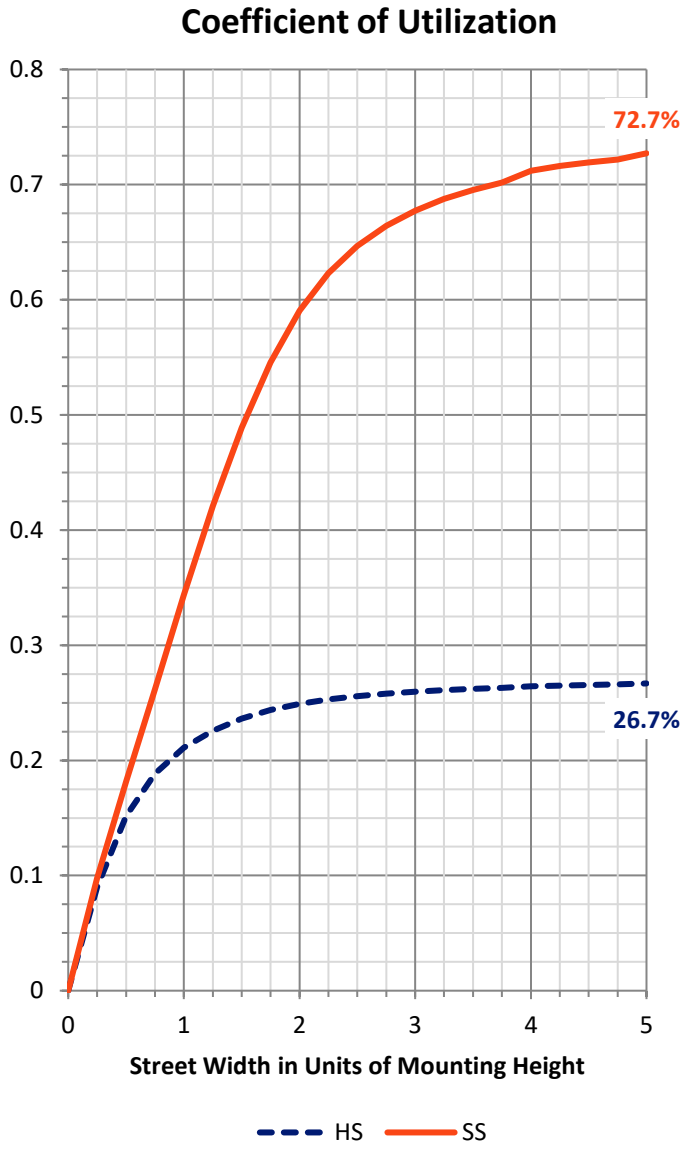
REPORT NUMBER: P1364914
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1961.9	0.0	1961.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	5330.7	0.0	5330.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	7292.6	0.0	7292.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.8	1.6
10°-20°	351.9	4.8
20°-30°	544.6	7.5
30°-40°	675.6	9.3
40°-50°	988.0	13.5
50°-60°	1547.5	21.2
60°-70°	1836.3	25.2
70°-80°	1071.0	14.7
80°-90°	162.9	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°	7292.6	100.0
0°-180°	7292.6	100.0



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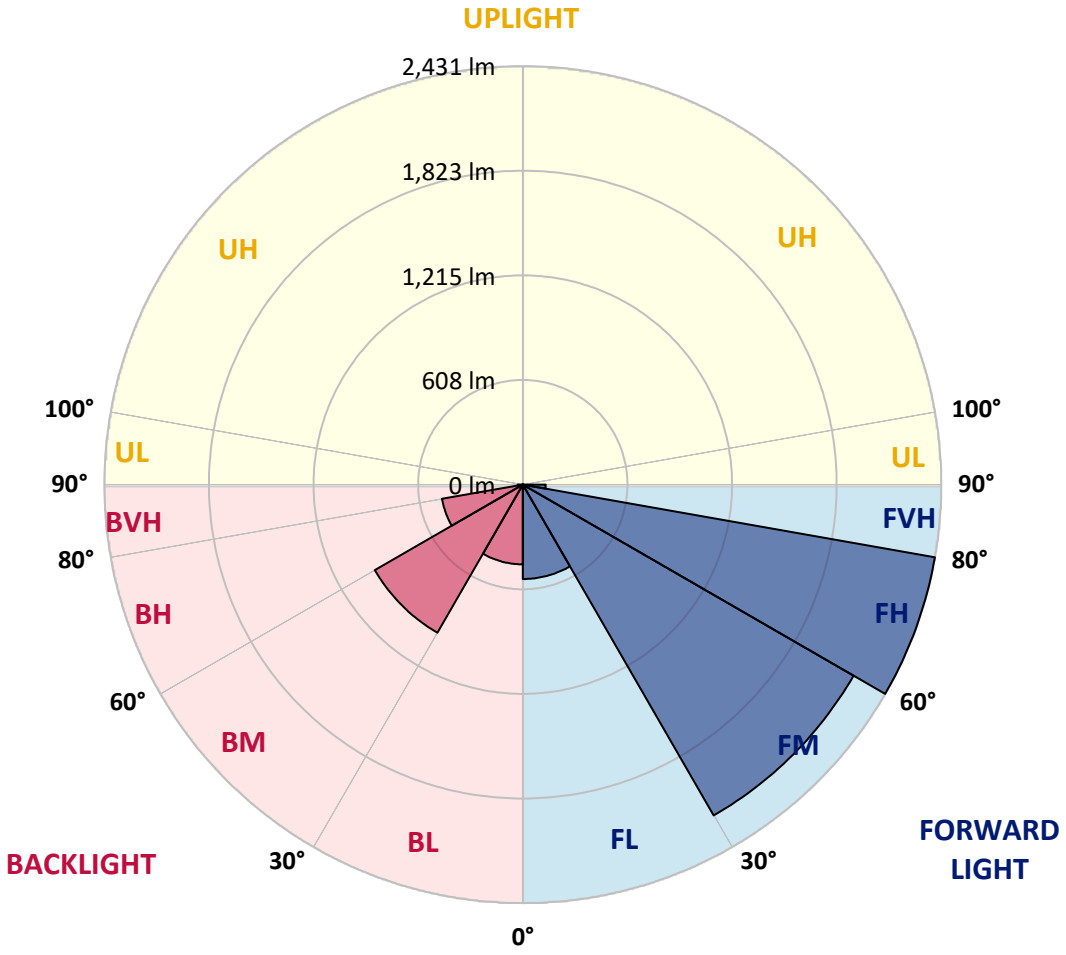
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	548.1	7.5			
FM	(30°-60°)	2218.6	30.4			
FH	(60°-80°)	2430.8	33.3			G2/5000
FVH	(80°-90°)	133.3	1.8			G2/225
BL	(0°-30°)	463.1	6.4	B1/500		
BM	(30°-60°)	992.6	13.6	B1/1000		
BH	(60°-80°)	476.5	6.5	B1/500		G1/500
BVH	(80°-90°)	29.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	*1162.8*	1162.8
2.5°	1256.4	1260.9	1265.4	1270.2	1275.2	1278.0	1280.9	1283.9	1286.8	*1289.4*	1286.8
5°	1342.0	1362.2	1382.2	1395.7	1409.3	1419.6	1430.0	1435.9	1441.9	*1442.8*	1441.9
7.5°	1428.5	1452.4	1476.3	1497.0	1517.7	1530.9	1544.1	1551.8	1559.6	*1562.3*	1559.6
10°	1482.9	1510.9	1539.1	1559.1	1579.2	1591.6	1603.7	1609.7	1615.8	*1617.6*	1615.8
12.5°	1510.6	1537.5	1564.4	1580.0	1595.3	1603.1	1610.8	1613.7	1616.2	*1614.0*	1616.2
15°	1524.0	1539.8	1555.5	1562.1	1568.5	1564.8	1560.9	1555.4	1549.8	*1546.3*	1549.8
17.5°	1527.5	1533.1	1538.8	1526.8	1515.0	1493.6	1472.2	1456.2	1440.1	*1428.5*	1440.1
20°	1539.1	1530.2	1521.3	1489.5	1458.0	1417.8	1377.7	1350.8	1323.7	*1307.3*	1323.7
22.5°	1551.6	1526.5	1501.3	1448.0	1394.7	1339.7	1285.0	1253.9	1223.1	*1205.6*	1223.1
25°	1571.2	1528.1	1484.7	1412.7	1340.8	1276.2	1211.9	1178.2	1144.6	*1125.4*	1144.6
27.5°	1599.8	1533.8	1467.8	1378.6	1289.4	1219.5	1149.4	1117.3	1085.2	*1068.3*	1085.2
30°	1639.9	1552.3	1464.6	1357.9	1251.1	1178.0	1104.9	1073.5	1041.9	*1023.7*	1041.9
32.5°	1688.9	1578.4	1467.8	1348.3	1228.8	1154.3	1079.9	1049.7	1019.8	*1004.1*	1019.8
35°	1771.9	1631.9	1491.9	1359.3	1227.0	1157.8	1088.8	1066.7	1044.7	*1036.2*	1044.7
37.5°	1877.1	1713.5	1549.8	1413.4	1277.0	1229.9	1182.8	1182.8	1182.8	*1189.6*	1182.8
40°	2032.2	1848.6	1664.9	1535.7	1406.8	1403.9	1401.4	1431.4	1461.5	*1474.9*	1461.5
42.5°	2249.8	2055.6	1861.6	1757.4	1653.3	1715.7	1778.1	1864.8	1951.5	*2008.2*	1951.5
45°	2520.0	2331.0	2141.9	2069.2	1996.6	2135.5	2274.3	2427.5	2580.7	*2689.5*	2580.7
47.5°	2778.6	2619.5	2460.3	2418.7	2377.3	2608.3	2839.3	3063.8	3288.3	*3420.7*	3288.3
50°	3078.2	2935.2	2792.0	2784.0	2775.9	3083.6	3391.2	3681.1	3970.9	*4132.3*	3970.9
52.5°	3462.6	3305.5	3148.2	3154.6	3160.6	3526.1	3891.5	4241.9	4592.4	*4774.3*	4592.4
55°	3921.8	3724.7	3527.7	3526.6	3525.5	3945.4	4365.5	4796.1	5227.0	*5469.9*	5227.0
57.5°	4390.0	4205.4	4020.8	3976.9	3932.9	4372.0	4810.9	5286.3	5762.0	*6017.4*	5762.0
60°	4741.3	4639.7	4538.0	4467.7	4397.6	4848.5	5299.5	5790.7	6281.7	*6536.4*	6281.7
62.5°	4596.0	4777.7	4959.4	4954.3	4949.1	5435.8	5922.5	6433.3	6944.4	*7173.1*	6944.4
65°	*4105.5*	*4395.3*	*4685.1*	*4884.5*	*5083.7*	*5672.1*	*6260.3*	*6792.5*	*7324.6*	*7558.3*	*7324.6*
67.5°	3645.4	3900.8	4156.3	4319.5	4482.7	5145.6	5808.7	6412.6	7016.5	*7256.9*	7016.5
70°	3204.9	3487.7	3770.6	3887.2	4003.9	4567.1	5130.1	5607.9	6085.5	*6179.7*	6085.5
72.5°	2751.0	3087.3	3423.9	3473.3	3522.7	3932.5	4342.4	4596.9	4851.4	*4645.9*	4851.4
75°	2252.5	2632.0	3011.4	3044.4	3077.4	3205.0	3332.9	3397.7	3462.6	*3345.8*	3462.6
77.5°	1498.1	1826.6	2155.3	2229.3	2303.3	2388.4	2473.7	2469.2	2464.7	*2300.7*	2464.7
80°	879.2	1136.2	1393.2	1402.9	1412.5	1476.3	1540.0	1605.1	1670.2	*1565.9*	1670.2
82.5°	439.6	580.7	721.9	743.7	765.5	804.5	843.6	861.8	880.1	*791.9*	880.1
85°	99.9	136.6	173.4	208.8	244.3	285.4	326.4	321.7	317.1	*267.5*	317.1
87.5°	8.0	8.2	8.6	8.7	8.9	9.1	9.3	9.8	10.3	*10.7*	10.3
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8
2.5°	1283.9	1280.9	1278.0	1275.2	1270.2	1265.4	1260.9	1256.4	1245.0	1233.8	1223.5
5°	1435.9	1430.0	1419.6	1409.3	1395.7	1382.2	1362.2	1342.0	1321.9	1301.9	1280.9
7.5°	1551.8	1544.1	1530.9	1517.7	1497.0	1476.3	1452.4	1428.5	1394.7	1360.8	1328.9
10°	1609.7	1603.7	1591.6	1579.2	1559.1	1539.1	1510.9	1482.9	1442.5	1401.8	1362.2
12.5°	1613.7	1610.8	1603.1	1595.3	1580.0	1564.4	1537.5	1510.6	1470.3	1430.0	1385.6
15°	1555.4	1560.9	1564.8	1568.5	1562.1	1555.5	1539.8	1524.0	1483.1	1442.5	1397.3
17.5°	1456.2	1472.2	1493.6	1515.0	1526.8	1538.8	1533.1	1527.5	1489.4	1451.4	1403.2
20°	1350.8	1377.7	1417.8	1458.0	1489.5	1521.3	1530.2	1539.1	1500.6	1462.1	1410.4
22.5°	1253.9	1285.0	1339.7	1394.7	1448.0	1501.3	1526.5	1551.6	1516.3	1481.2	1424.3
25°	1178.2	1211.9	1276.2	1340.8	1412.7	1484.7	1528.1	1571.2	1540.7	1510.2	1448.2
27.5°	1117.3	1149.4	1219.5	1289.4	1378.6	1467.8	1533.8	1599.8	1576.4	1553.0	1483.1
30°	1073.5	1104.9	1178.0	1251.1	1357.9	1464.6	1552.3	1639.9	1621.5	1603.3	1524.5
32.5°	1049.7	1079.9	1154.3	1228.8	1348.3	1467.8	1578.4	1688.9	1677.5	1666.1	1573.2
35°	1066.7	1088.8	1157.8	1227.0	1359.3	1491.9	1631.9	1771.9	1757.6	1743.3	1624.9
37.5°	1182.8	1182.8	1229.9	1277.0	1413.4	1549.8	1713.5	1877.1	1860.1	1843.2	1688.0
40°	1431.4	1401.4	1403.9	1406.8	1535.7	1664.9	1848.6	2032.2	1998.9	1965.4	1760.3
42.5°	1864.8	1778.1	1715.7	1653.3	1757.4	1861.6	2055.6	2249.8	2179.2	2108.4	1840.2
45°	2427.5	2274.3	2135.5	1996.6	2069.2	2141.9	2331.0	2520.0	2406.8	2293.5	1948.6
47.5°	3063.8	2839.3	2608.3	2377.3	2418.7	2460.3	2619.5	2778.6	2635.2	2491.8	2060.1
50°	3681.1	3391.2	3083.6	2775.9	2784.0	2792.0	2935.2	3078.2	2883.8	2689.5	2157.3
52.5°	4241.9	3891.5	3526.1	3160.6	3154.6	3148.2	3305.5	3462.6	3153.9	2845.0	2203.3
55°	4796.1	4365.5	3945.4	3525.5	3526.6	3527.7	3724.7	3921.8	3425.1	2928.4	2191.2
57.5°	5286.3	4810.9	4372.0	3932.9	3976.9	4020.8	4205.4	4390.0	3652.9	2915.9	2125.0
60°	5790.7	5299.5	4848.5	4397.6	4467.7	4538.0	4639.7	4741.3	3754.9	2768.3	1966.4
62.5°	6433.3	5922.5	5435.8	4949.1	4954.3	4959.4	4777.7	4596.0	3528.6	2461.2	1706.6
65°	*6792.5*	*6260.3*	*5672.1*	*5083.7*	*4884.5*	*4685.1*	*4395.3*	*4105.5*	*3043.5*	*1981.4*	*1338.7*
67.5°	6412.6	5808.7	5145.6	4482.7	4319.5	4156.3	3900.8	3645.4	2613.8	1582.3	1041.7
70°	5607.9	5130.1	4567.1	4003.9	3887.2	3770.6	3487.7	3204.9	2220.6	1236.3	798.3
72.5°	4596.9	4342.4	3932.5	3522.7	3473.3	3423.9	3087.3	2751.0	1843.9	936.7	600.1
75°	3397.7	3332.9	3205.0	3077.4	3044.4	3011.4	2632.0	2252.5	1472.2	692.0	444.8
77.5°	2469.2	2473.7	2388.4	2303.3	2229.3	2155.3	1826.6	1498.1	965.9	433.7	287.5
80°	1605.1	1540.0	1476.3	1412.5	1402.9	1393.2	1136.2	879.2	553.8	228.3	158.9
82.5°	861.8	843.6	804.5	765.5	743.7	721.9	580.7	439.6	277.5	115.6	85.4
85°	321.7	326.4	285.4	244.3	208.8	173.4	136.6	99.9	66.0	32.1	27.1
87.5°	9.8	9.3	9.1	8.9	8.7	8.6	8.2	8.0	7.8	7.5	7.3
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8
2.5°	1213.1	1202.8	1192.2	1182.3	1172.1	1161.9	1153.0	1143.4	1133.9	1126.4	1119.1
5°	1260.0	1239.5	1219.0	1199.6	1180.3	1160.1	1142.8	1125.7	1109.0	1095.0	1081.1
7.5°	1296.9	1268.4	1239.9	1214.4	1188.7	1161.9	1141.1	1120.2	1099.5	1081.5	1063.3
10°	1322.4	1287.3	1252.0	1222.6	1193.1	1164.6	1142.3	1120.4	1098.6	1080.1	1061.5
12.5°	1341.2	1301.7	1262.3	1229.9	1197.6	1166.4	1144.6	1126.4	1108.4	1095.4	1082.6
15°	1352.2	1309.8	1267.1	1230.6	1194.0	1159.2	1140.0	1128.2	1116.4	1115.4	1114.3
17.5°	1355.1	1306.6	1258.2	1215.6	1173.2	1132.5	1116.1	1114.5	1112.9	1130.5	1148.2
20°	1358.6	1301.7	1244.9	1188.9	1132.9	1079.0	1068.6	1078.8	1088.8	1123.4	1157.8
22.5°	1367.6	1298.0	1228.4	1158.2	1087.9	1023.7	1013.9	1028.9	1043.7	1088.8	1133.9
25°	1386.1	1297.6	1209.2	1121.6	1034.0	960.4	959.5	975.7	992.0	1033.7	1075.4
27.5°	1413.4	1301.0	1188.7	1084.2	979.5	904.2	908.7	924.2	939.9	970.9	1001.9
30°	1445.5	1308.3	1171.4	1051.5	931.9	858.7	863.5	875.7	887.8	910.3	932.7
32.5°	1480.3	1316.5	1153.0	1023.0	893.2	825.7	825.7	830.9	836.1	850.7	865.3
35°	1506.7	1314.6	1122.7	990.5	858.2	806.1	795.1	790.8	786.5	796.1	805.8
37.5°	1532.9	1309.1	1085.2	954.5	824.0	782.9	761.9	750.5	738.7	743.3	747.6
40°	1555.2	1296.6	1038.0	911.5	785.1	752.6	726.2	709.1	692.0	691.6	691.1
42.5°	1571.6	1275.0	978.2	860.3	742.3	719.6	687.0	665.2	643.5	641.2	638.8
45°	1603.7	1260.2	916.7	808.3	700.0	679.5	647.0	624.6	602.5	598.9	595.3
47.5°	1628.3	1242.9	857.5	756.5	656.0	632.2	601.9	582.8	563.6	561.4	559.1
50°	1625.1	1213.5	801.7	710.5	619.2	586.8	556.8	541.1	525.2	527.9	530.6
52.5°	1561.4	1153.2	745.1	669.2	593.5	552.0	519.9	508.1	496.2	504.5	512.7
55°	1453.9	1073.3	692.3	634.6	576.4	535.0	497.2	484.0	470.8	482.6	494.4
57.5°	1334.0	989.6	645.3	605.3	565.4	530.6	484.2	465.7	447.3	459.1	470.8
60°	1164.6	883.9	603.2	575.2	547.2	519.9	473.5	450.3	427.1	435.0	442.7
62.5°	952.0	749.8	547.5	531.8	516.3	504.7	460.5	430.2	399.9	400.9	401.6
65°	*695.9*	*589.3*	*482.4*	*479.0*	*475.8*	*472.6*	*436.1*	*403.4*	*371.0*	*367.4*	*363.8*
67.5°	501.2	450.5	399.9	409.3	418.8	423.6	398.6	369.9	341.0	333.7	326.4
70°	360.3	342.4	324.6	338.7	352.8	351.3	339.2	322.1	305.0	300.3	295.7
72.5°	263.6	263.2	263.1	273.8	284.5	270.2	277.9	273.9	270.2	266.8	263.6
75°	197.6	196.4	195.3	208.0	220.8	226.5	231.5	229.4	227.4	224.9	222.6
77.5°	141.2	142.3	143.0	156.9	170.9	187.3	188.2	183.5	178.7	176.2	173.4
80°	89.5	90.6	91.3	105.9	120.4	143.6	142.7	137.0	131.1	129.1	127.0
82.5°	55.3	55.5	55.6	62.8	69.9	82.9	86.5	86.5	86.5	85.2	83.8
85°	22.3	23.4	24.6	29.2	33.9	41.0	43.2	43.5	43.7	41.7	39.6
87.5°	7.1	7.5	8.0	8.9	9.8	10.7	12.5	13.6	14.6	15.7	16.4
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: P1364914
CATALOG NUMBER: GSS-SB1D-722-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8
2.5°	1112.7	1106.1	1098.4	1090.6	1085.1	1079.3	1075.6	1071.9	1070.1	1068.3	1066.9
5°	1069.7	1057.9	1047.6	1037.1	1028.9	1020.5	1013.7	1006.8	1003.9	1000.9	998.9
7.5°	1048.0	1032.6	1019.8	1006.8	994.5	982.3	974.5	966.6	962.0	957.4	954.0
10°	1045.3	1029.1	1012.1	995.2	981.6	968.1	956.3	944.9	938.3	931.9	928.3
12.5°	1067.6	1052.6	1032.4	1012.1	993.7	975.5	961.1	946.7	938.5	930.6	925.3
15°	1109.1	1104.0	1085.2	1066.5	1041.2	1015.7	995.0	974.1	962.7	950.9	944.3
17.5°	1158.4	1168.5	1155.5	1142.3	1106.6	1071.0	1040.1	1009.4	992.7	975.9	970.0
20°	1185.3	1212.7	1211.3	1210.1	1163.5	1116.8	1076.3	1035.8	1013.4	991.2	982.3
22.5°	1173.5	1213.1	1223.3	1233.3	1187.6	1141.8	1091.8	1041.9	1015.5	988.9	980.5
25°	1118.0	1160.7	1179.6	1198.5	1160.9	1123.2	1074.7	1026.4	998.6	970.6	962.0
27.5°	1036.2	1070.4	1091.7	1112.9	1089.9	1066.9	1027.6	988.4	963.8	939.0	929.9
30°	955.9	979.1	996.1	1013.0	997.8	982.7	954.5	926.5	908.1	889.9	884.2
32.5°	882.6	899.8	909.2	918.5	906.7	894.9	876.4	857.8	846.4	835.0	831.3
35°	819.7	833.8	840.9	848.0	838.2	828.4	811.8	795.4	787.2	779.0	776.0
37.5°	759.6	771.3	781.5	791.9	784.7	777.6	763.5	749.4	739.8	729.8	724.4
40°	702.5	713.7	726.6	739.2	738.0	736.6	723.2	709.8	695.9	682.2	674.9
42.5°	650.1	661.3	674.9	688.4	691.1	693.8	682.7	671.5	655.4	639.4	628.1
45°	604.9	614.9	629.7	644.7	651.0	657.2	647.2	637.1	619.0	601.0	587.6
47.5°	569.3	579.6	596.0	612.6	619.2	626.0	619.2	612.6	597.1	581.4	569.6
50°	541.8	552.9	565.7	578.7	591.0	603.2	601.9	600.7	588.4	576.1	565.0
52.5°	522.9	533.3	546.6	560.0	572.8	585.9	587.8	590.0	581.0	572.1	562.5
55°	506.7	519.0	531.5	544.0	556.1	568.0	570.7	573.4	567.0	560.4	553.2
57.5°	484.2	497.6	510.1	522.6	536.6	550.7	552.9	555.0	548.2	541.3	535.9
60°	456.4	469.9	483.0	495.8	510.1	524.3	527.2	530.0	524.7	519.3	514.3
62.5°	417.2	432.5	443.2	453.9	467.4	481.2	485.3	489.6	487.1	484.7	479.0
65°	*378.4*	*393.3*	*401.6*	*410.2*	*422.0*	*433.7*	*437.8*	*441.9*	*440.7*	*439.6*	*435.5*
67.5°	339.9	353.5	360.4	367.4	375.4	383.4	388.1	392.7	390.4	387.9	383.6
70°	306.8	317.8	323.9	329.9	336.4	342.8	345.3	347.8	344.2	340.6	331.0
72.5°	272.0	280.4	285.5	290.7	296.8	302.8	304.3	305.9	300.3	294.6	283.4
75°	229.0	235.4	239.3	243.4	249.7	255.9	258.6	261.3	253.4	245.8	233.8
77.5°	179.2	185.1	188.9	192.6	197.8	203.0	203.7	204.7	198.0	191.2	184.1
80°	131.3	135.5	137.0	138.2	142.5	146.6	146.6	146.6	141.6	136.4	132.9
82.5°	82.9	82.0	80.3	78.5	82.8	87.0	88.5	90.1	87.7	85.6	81.7
85°	37.1	34.2	33.7	33.0	32.8	32.5	33.7	34.8	34.2	33.9	32.5
87.5°	17.5	18.2	17.7	16.9	16.2	15.7	14.3	12.8	11.8	10.7	10.0
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
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Peachtree City, GA 30269

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8
2.5°	1065.6	1064.7	1065.6	1066.9	1068.3	1070.1	1071.9	1075.6	1079.3	1085.1	1090.6
5°	997.0	995.2	997.0	998.9	1000.9	1003.9	1006.8	1013.7	1020.5	1028.9	1037.1
7.5°	950.6	948.8	950.6	954.0	957.4	962.0	966.6	974.5	982.3	994.5	1006.8
10°	924.7	922.0	924.7	928.3	931.9	938.3	944.9	956.3	968.1	981.6	995.2
12.5°	919.9	916.7	919.9	925.3	930.6	938.5	946.7	961.1	975.5	993.7	1012.1
15°	937.7	932.7	937.7	944.3	950.9	962.7	974.1	995.0	1015.7	1041.2	1066.5
17.5°	964.0	961.3	964.0	970.0	975.9	992.7	1009.4	1040.1	1071.0	1106.6	1142.3
20°	973.4	970.2	973.4	982.3	991.2	1013.4	1035.8	1076.3	1116.8	1163.5	1210.1
22.5°	972.0	968.4	972.0	980.5	988.9	1015.5	1041.9	1091.8	1141.8	1187.6	1233.3
25°	953.3	950.6	953.3	962.0	970.6	998.6	1026.4	1074.7	1123.2	1160.9	1198.5
27.5°	920.6	914.9	920.6	929.9	939.0	963.8	988.4	1027.6	1066.9	1089.9	1112.9
30°	878.4	875.7	878.4	884.2	889.9	908.1	926.5	954.5	982.7	997.8	1013.0
32.5°	827.5	825.7	827.5	831.3	835.0	846.4	857.8	876.4	894.9	906.7	918.5
35°	773.1	770.5	773.1	776.0	779.0	787.2	795.4	811.8	828.4	838.2	848.0
37.5°	719.1	715.2	719.1	724.4	729.8	739.8	749.4	763.5	777.6	784.7	791.9
40°	667.4	663.4	667.4	674.9	682.2	695.9	709.8	723.2	736.6	738.0	739.2
42.5°	617.1	609.9	617.1	628.1	639.4	655.4	671.5	682.7	693.8	691.1	688.4
45°	574.3	565.4	574.3	587.6	601.0	619.0	637.1	647.2	657.2	651.0	644.7
47.5°	557.9	549.3	557.9	569.6	581.4	597.1	612.6	619.2	626.0	619.2	612.6
50°	553.8	545.7	553.8	565.0	576.1	588.4	600.7	601.9	603.2	591.0	578.7
52.5°	552.9	545.7	552.9	562.5	572.1	581.0	590.0	587.8	585.9	572.8	560.0
55°	546.1	540.4	546.1	553.2	560.4	567.0	573.4	570.7	568.0	556.1	544.0
57.5°	530.6	527.9	530.6	535.9	541.3	548.2	555.0	552.9	550.7	536.6	522.6
60°	509.2	504.7	509.2	514.3	519.3	524.7	530.0	527.2	524.3	510.1	495.8
62.5°	473.5	467.3	473.5	479.0	484.7	487.1	489.6	485.3	481.2	467.4	453.9
65°	*431.6*	*424.5*	*431.6*	*435.5*	*439.6*	*440.7*	*441.9*	*437.8*	*433.7*	*422.0*	*410.2*
67.5°	379.5	378.1	379.5	383.6	387.9	390.4	392.7	388.1	383.4	375.4	367.4
70°	321.4	310.3	321.4	331.0	340.6	344.2	347.8	345.3	342.8	336.4	329.9
72.5°	272.0	260.4	272.0	283.4	294.6	300.3	305.9	304.3	302.8	296.8	290.7
75°	222.0	214.0	222.0	233.8	245.8	253.4	261.3	258.6	255.9	249.7	243.4
77.5°	176.9	173.0	176.9	184.1	191.2	198.0	204.7	203.7	203.0	197.8	192.6
80°	129.3	126.6	129.3	132.9	136.4	141.6	146.6	146.6	146.6	142.5	138.2
82.5°	77.6	74.9	77.6	81.7	85.6	87.7	90.1	88.5	87.0	82.8	78.5
85°	31.2	30.3	31.2	32.5	33.9	34.2	34.8	33.7	32.5	32.8	33.0
87.5°	9.3	8.9	9.3	10.0	10.7	11.8	12.8	14.3	15.7	16.2	16.9
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8
2.5°	1098.4	1106.1	1112.7	1119.1	1126.4	1133.9	1143.4	1153.0	1161.9	1172.1	1182.3
5°	1047.6	1057.9	1069.7	1081.1	1095.0	1109.0	1125.7	1142.8	1160.1	1180.3	1199.6
7.5°	1019.8	1032.6	1048.0	1063.3	1081.5	1099.5	1120.2	1141.1	1161.9	1188.7	1214.4
10°	1012.1	1029.1	1045.3	1061.5	1080.1	1098.6	1120.4	1142.3	1164.6	1193.1	1222.6
12.5°	1032.4	1052.6	1067.6	1082.6	1095.4	1108.4	1126.4	1144.6	1166.4	1197.6	1229.9
15°	1085.2	1104.0	1109.1	1114.3	1115.4	1116.4	1128.2	1140.0	1159.2	1194.0	1230.6
17.5°	1155.5	1168.5	1158.4	1148.2	1130.5	1112.9	1114.5	1116.1	1132.5	1173.2	1215.6
20°	1211.3	1212.7	1185.3	1157.8	1123.4	1088.8	1078.8	1068.6	1079.0	1132.9	1188.9
22.5°	1223.3	1213.1	1173.5	1133.9	1088.8	1043.7	1028.9	1013.9	1023.7	1087.9	1158.2
25°	1179.6	1160.7	1118.0	1075.4	1033.7	992.0	975.7	959.5	960.4	1034.0	1121.6
27.5°	1091.7	1070.4	1036.2	1001.9	970.9	939.9	924.2	908.7	904.2	979.5	1084.2
30°	996.1	979.1	955.9	932.7	910.3	887.8	875.7	863.5	858.7	931.9	1051.5
32.5°	909.2	899.8	882.6	865.3	850.7	836.1	830.9	825.7	825.7	893.2	1023.0
35°	840.9	833.8	819.7	805.8	796.1	786.5	790.8	795.1	806.1	858.2	990.5
37.5°	781.5	771.3	759.6	747.6	743.3	738.7	750.5	761.9	782.9	824.0	954.5
40°	726.6	713.7	702.5	691.1	691.6	692.0	709.1	726.2	752.6	785.1	911.5
42.5°	674.9	661.3	650.1	638.8	641.2	643.5	665.2	687.0	719.6	742.3	860.3
45°	629.7	614.9	604.9	595.3	598.9	602.5	624.6	647.0	679.5	700.0	808.3
47.5°	596.0	579.6	569.3	559.1	561.4	563.6	582.8	601.9	632.2	656.0	756.5
50°	565.7	552.9	541.8	530.6	527.9	525.2	541.1	556.8	586.8	619.2	710.5
52.5°	546.6	533.3	522.9	512.7	504.5	496.2	508.1	519.9	552.0	593.5	669.2
55°	531.5	519.0	506.7	494.4	482.6	470.8	484.0	497.2	535.0	576.4	634.6
57.5°	510.1	497.6	484.2	470.8	459.1	447.3	465.7	484.2	530.6	565.4	605.3
60°	483.0	469.9	456.4	442.7	435.0	427.1	450.3	473.5	519.9	547.2	575.2
62.5°	443.2	432.5	417.2	401.6	400.9	399.9	430.2	460.5	504.7	516.3	531.8
65°	*401.6*	*393.3*	*378.4*	*363.8*	*367.4*	*371.0*	*403.4*	*436.1*	*472.6*	*475.8*	*479.0*
67.5°	360.4	353.5	339.9	326.4	333.7	341.0	369.9	398.6	423.6	418.8	409.3
70°	323.9	317.8	306.8	295.7	300.3	305.0	322.1	339.2	351.3	352.8	338.7
72.5°	285.5	280.4	272.0	263.6	266.8	270.2	273.9	277.9	270.2	284.5	273.8
75°	239.3	235.4	229.0	222.6	224.9	227.4	229.4	231.5	226.5	220.8	208.0
77.5°	188.9	185.1	179.2	173.4	176.2	178.7	183.5	188.2	187.3	170.9	156.9
80°	137.0	135.5	131.3	127.0	129.1	131.1	137.0	142.7	143.6	120.4	105.9
82.5°	80.3	82.0	82.9	83.8	85.2	86.5	86.5	86.5	82.9	69.9	62.8
85°	33.7	34.2	37.1	39.6	41.7	43.7	43.5	43.2	41.0	33.9	29.2
87.5°	17.7	18.2	17.5	16.4	15.7	14.6	13.6	12.5	10.7	9.8	8.9
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):

	330°	335°	340°	345°	350°	355°	360°
0°	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8
2.5°	1192.2	1202.8	1213.1	1223.5	1233.8	1245.0	1256.4
5°	1219.0	1239.5	1260.0	1280.9	1301.9	1321.9	1342.0
7.5°	1239.9	1268.4	1296.9	1328.9	1360.8	1394.7	1428.5
10°	1252.0	1287.3	1322.4	1362.2	1401.8	1442.5	1482.9
12.5°	1262.3	1301.7	1341.2	1385.6	1430.0	1470.3	1510.6
15°	1267.1	1309.8	1352.2	1397.3	1442.5	1483.1	1524.0
17.5°	1258.2	1306.6	1355.1	1403.2	1451.4	1489.4	1527.5
20°	1244.9	1301.7	1358.6	1410.4	1462.1	1500.6	1539.1
22.5°	1228.4	1298.0	1367.6	1424.3	1481.2	1516.3	1551.6
25°	1209.2	1297.6	1386.1	1448.2	1510.2	1540.7	1571.2
27.5°	1188.7	1301.0	1413.4	1483.1	1553.0	1576.4	1599.8
30°	1171.4	1308.3	1445.5	1524.5	1603.3	1621.5	1639.9
32.5°	1153.0	1316.5	1480.3	1573.2	1666.1	1677.5	1688.9
35°	1122.7	1314.6	1506.7	1624.9	1743.3	1757.6	1771.9
37.5°	1085.2	1309.1	1532.9	1688.0	1843.2	1860.1	1877.1
40°	1038.0	1296.6	1555.2	1760.3	1965.4	1998.9	2032.2
42.5°	978.2	1275.0	1571.6	1840.2	2108.4	2179.2	2249.8
45°	916.7	1260.2	1603.7	1948.6	2293.5	2406.8	2520.0
47.5°	857.5	1242.9	1628.3	2060.1	2491.8	2635.2	2778.6
50°	801.7	1213.5	1625.1	2157.3	2689.5	2883.8	3078.2
52.5°	745.1	1153.2	1561.4	2203.3	2845.0	3153.9	3462.6
55°	692.3	1073.3	1453.9	2191.2	2928.4	3425.1	3921.8
57.5°	645.3	989.6	1334.0	2125.0	2915.9	3652.9	4390.0
60°	603.2	883.9	1164.6	1966.4	2768.3	3754.9	4741.3
62.5°	547.5	749.8	952.0	1706.6	2461.2	3528.6	4596.0
65°	*482.4*	*589.3*	*695.9*	*1338.7*	*1981.4*	*3043.5*	*4105.5*
67.5°	399.9	450.5	501.2	1041.7	1582.3	2613.8	3645.4
70°	324.6	342.4	360.3	798.3	1236.3	2220.6	3204.9
72.5°	263.1	263.2	263.6	600.1	936.7	1843.9	2751.0
75°	195.3	196.4	197.6	444.8	692.0	1472.2	2252.5
77.5°	143.0	142.3	141.2	287.5	433.7	965.9	1498.1
80°	91.3	90.6	89.5	158.9	228.3	553.8	879.2
82.5°	55.6	55.5	55.3	85.4	115.6	277.5	439.6
85°	24.6	23.4	22.3	27.1	32.1	66.0	99.9
87.5°	8.0	7.5	7.1	7.3	7.5	7.8	8.0
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: SP1-2407-184-2

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

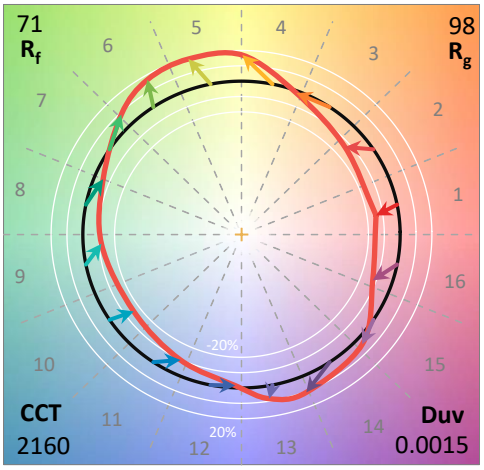
Test Information

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

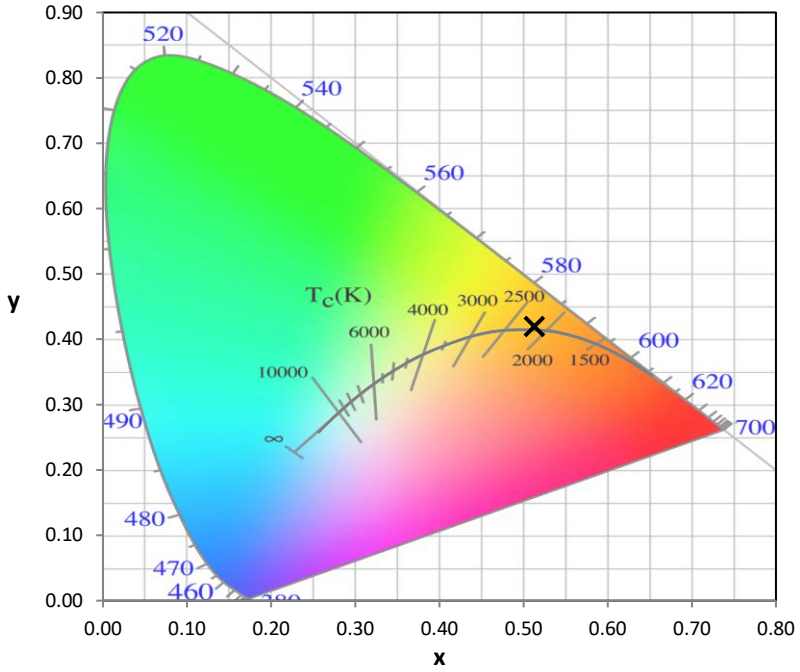
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

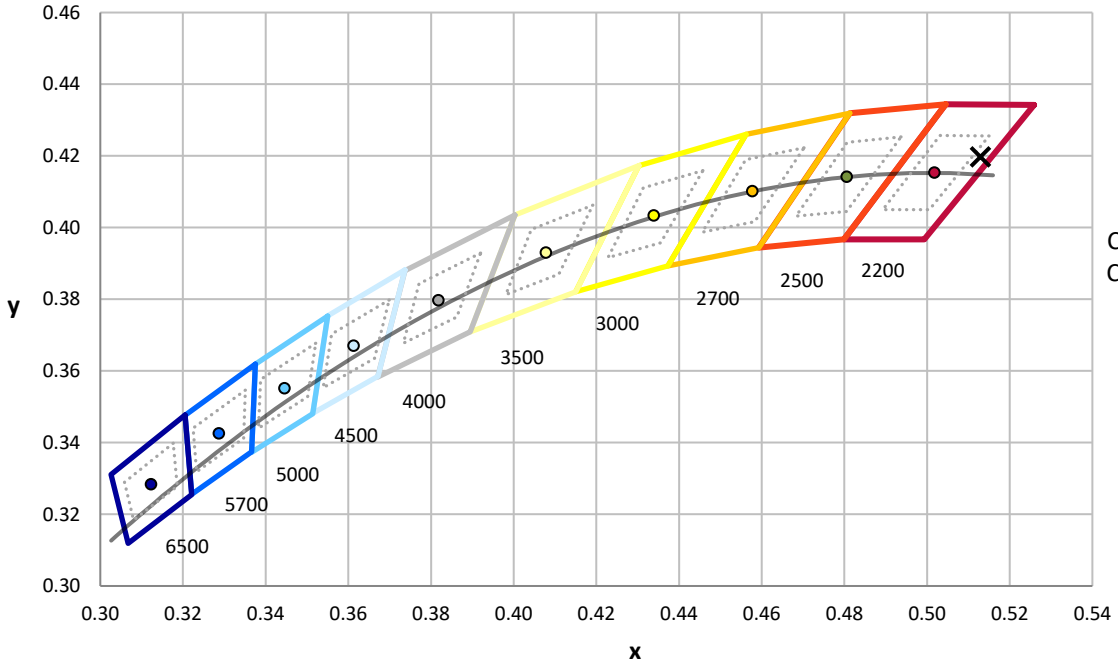
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

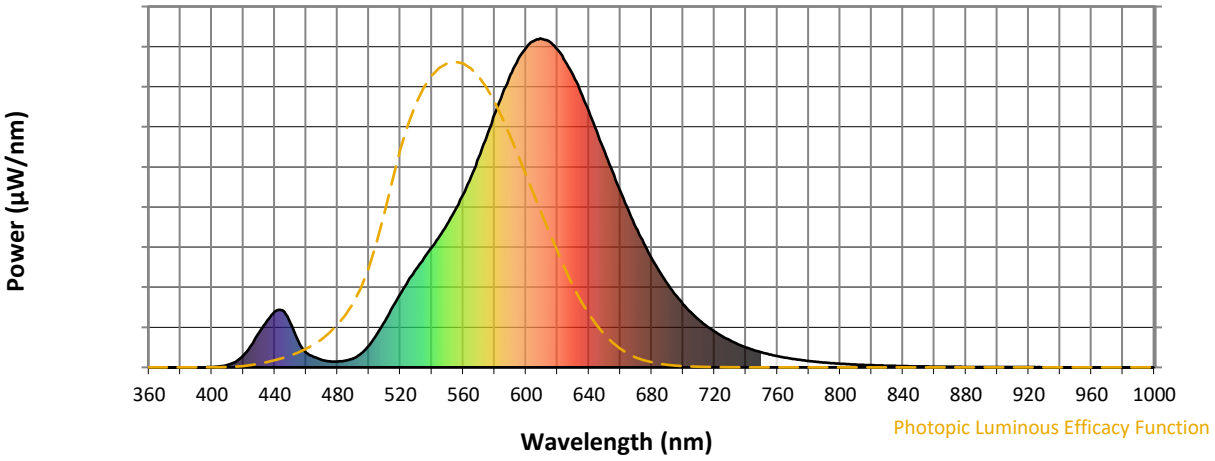


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

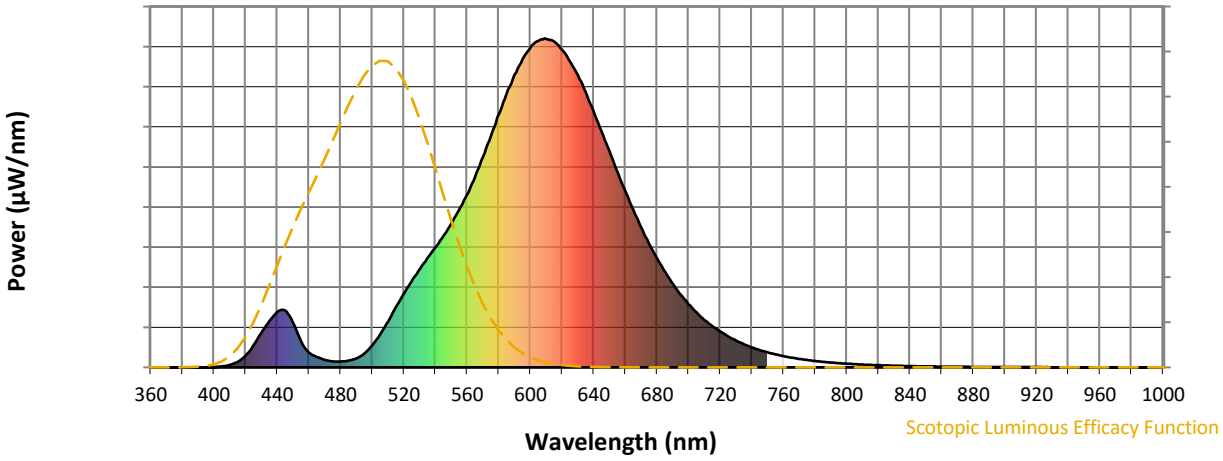


Photopic Lumens: NR

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

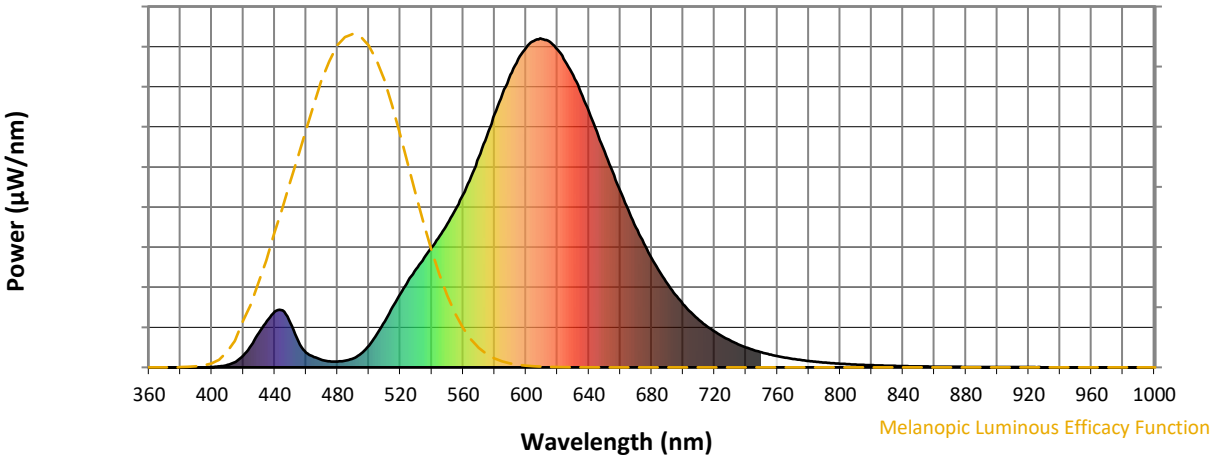


Scotopic Lumens: NR **S/P: 0.8**

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			

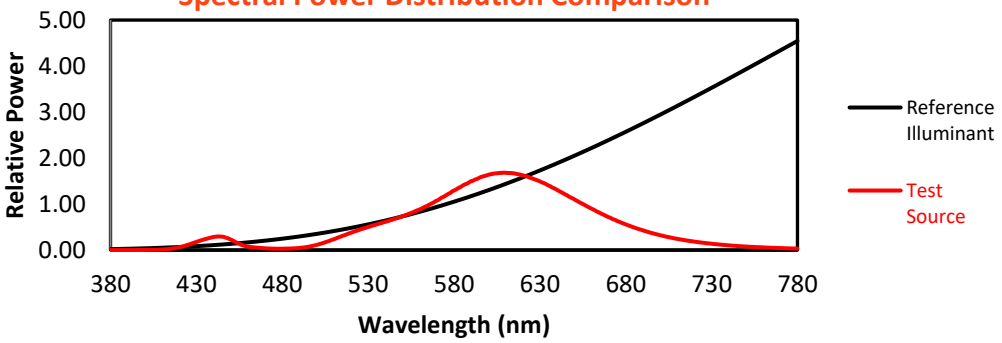
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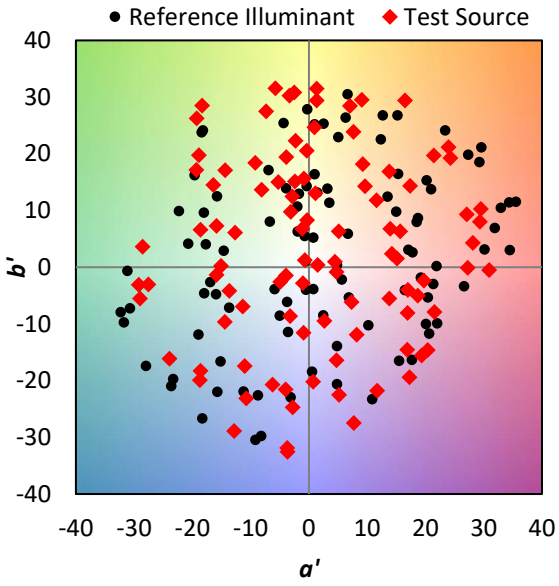
Summary

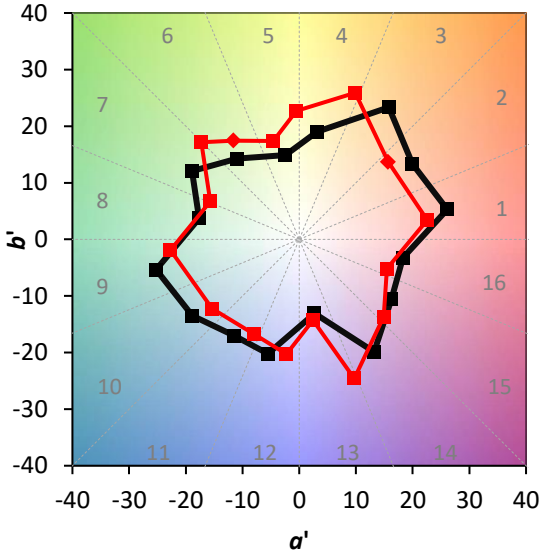
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

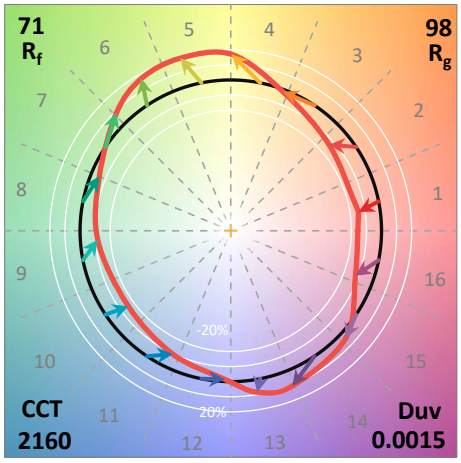
Spectral Power Distribution Comparison

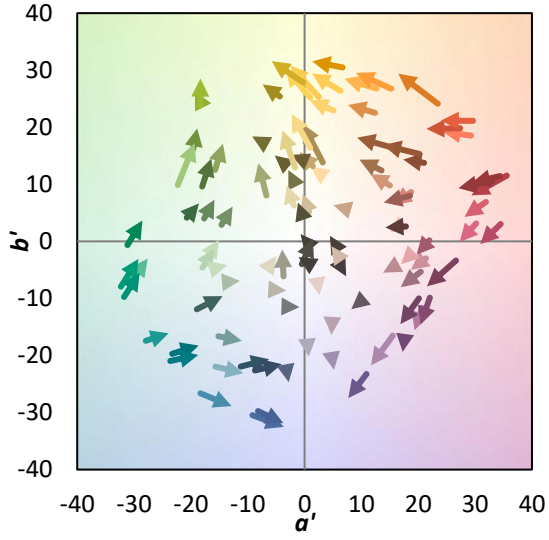


Color Vector Graphics







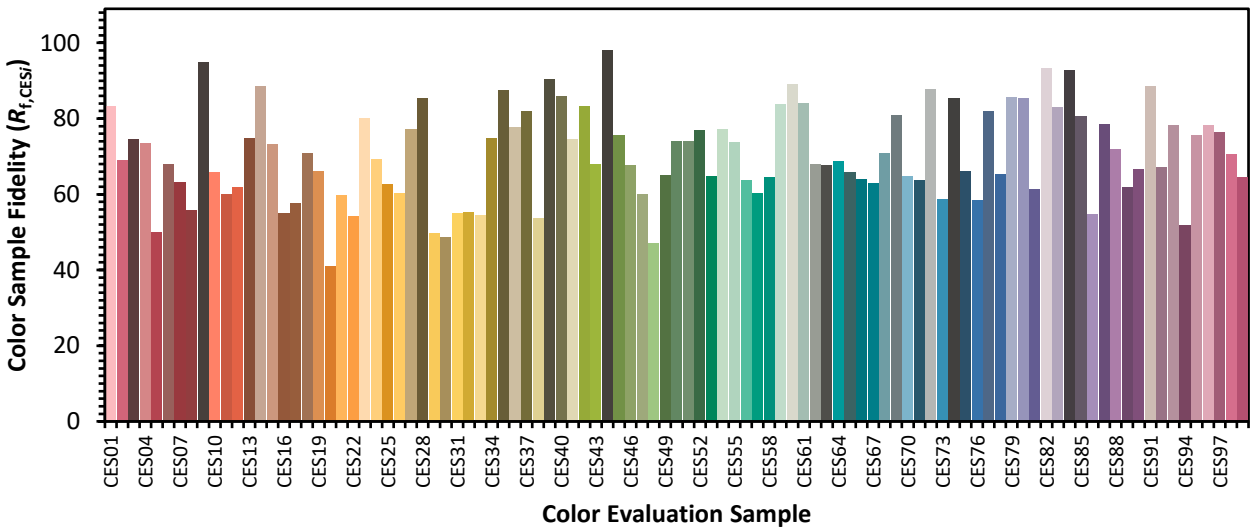


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Individual Sample Fidelity Index ($R_{f,i}$)

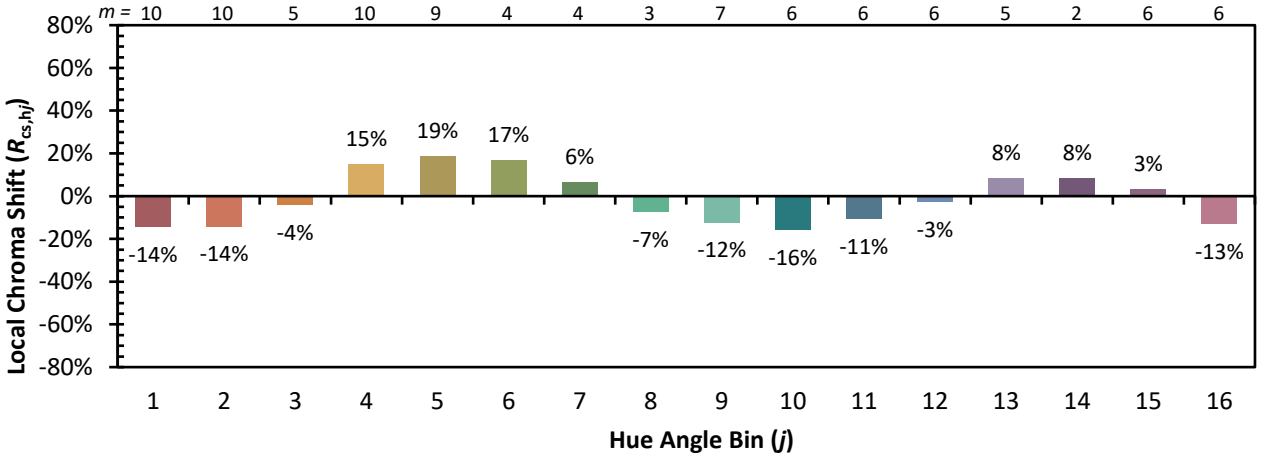
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

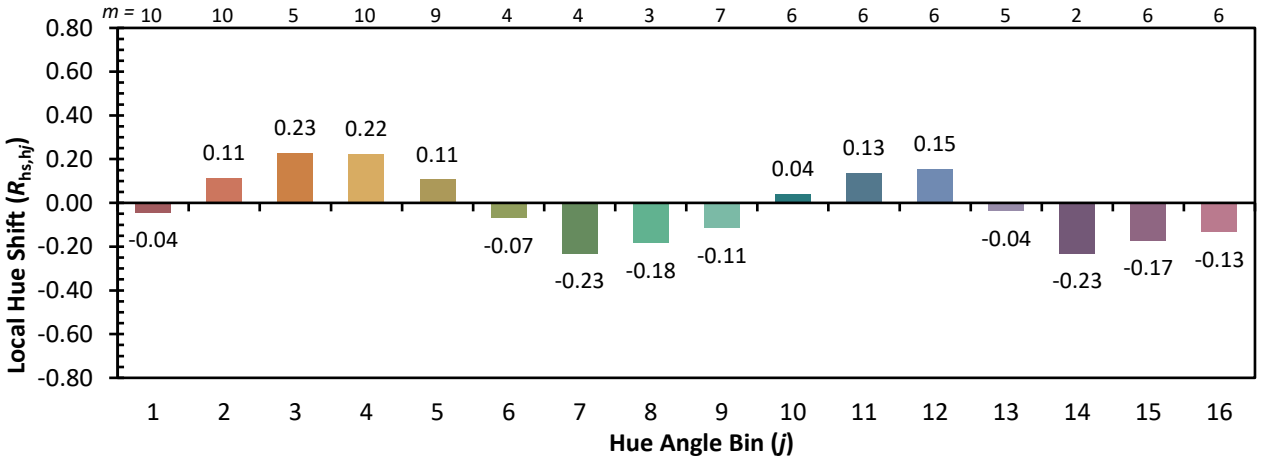


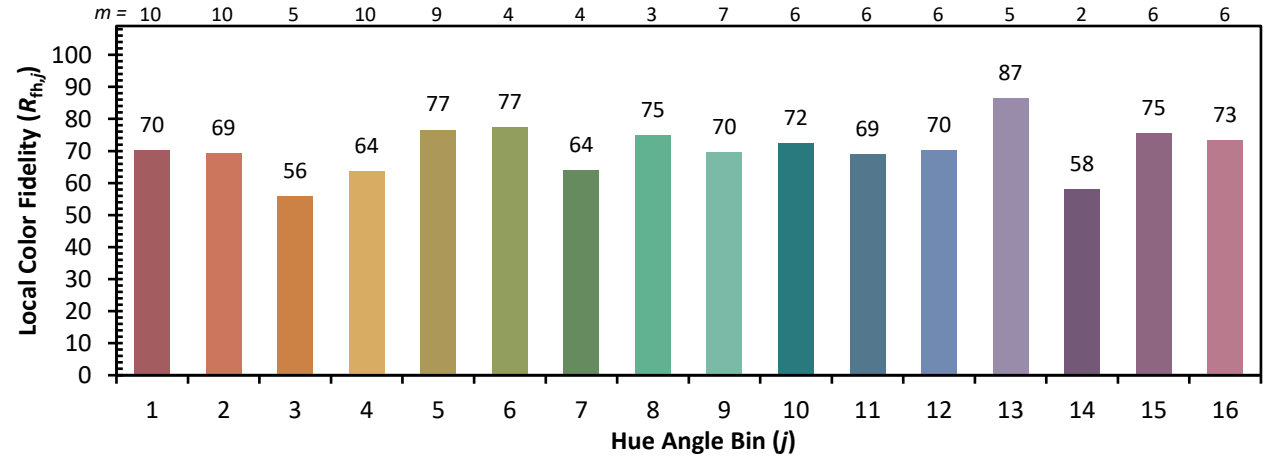
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Color Rendition by Hue-Angle Bin



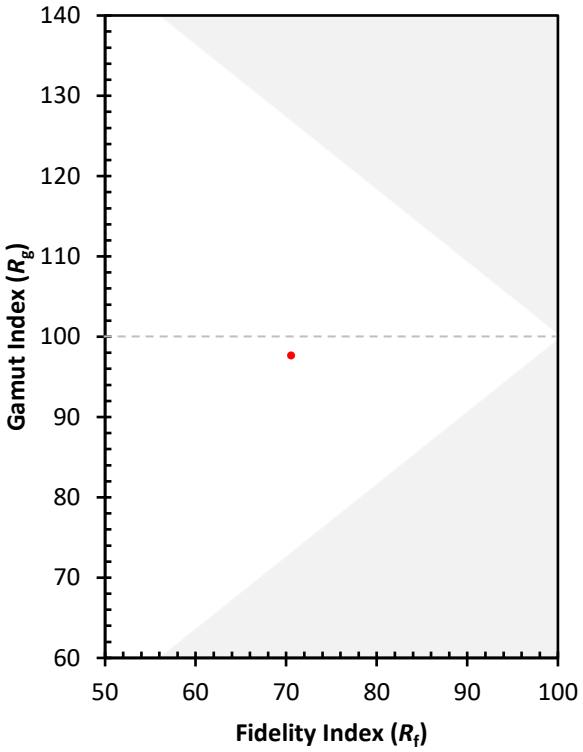


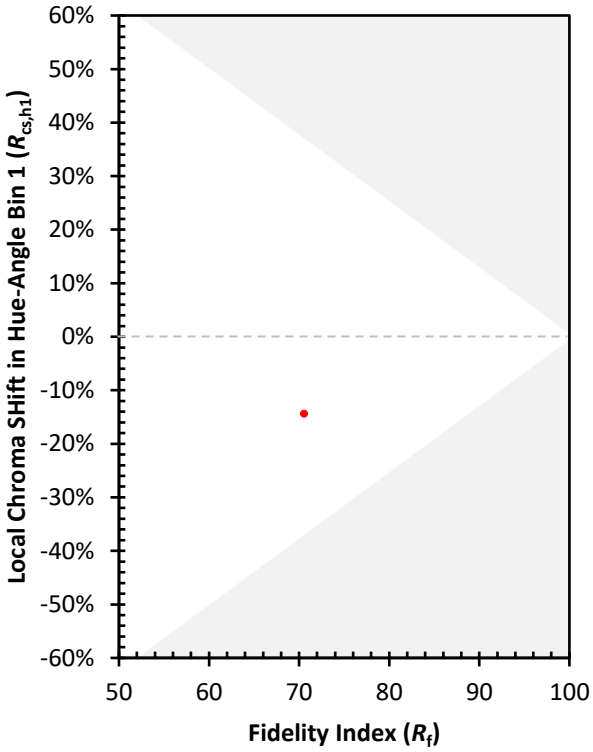


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Measure Comparisons





(END OF REPORT)