

Classified
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: LUMARK

Report Number: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF65-XX-PC-65W-7040**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (2022-09-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/4/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LSF65-XX-PC-65W-7040
Description: Flood light with selectable wattage and CCT
Light Source: (1) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

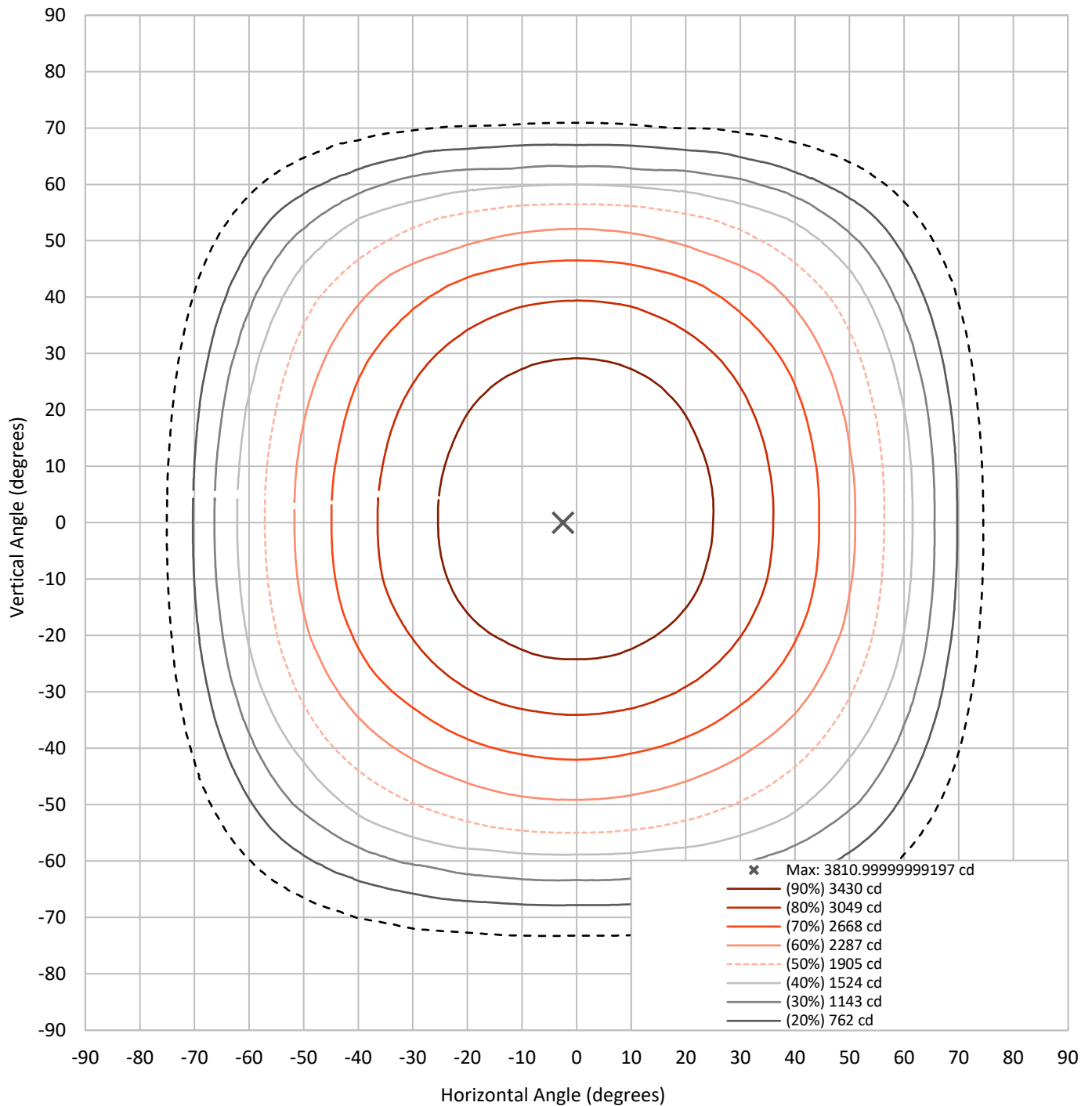
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	10320.1 lumens	Max Intensity:	3811 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	163.6 lumens/watt		
Luminous Opening:	Rectangular (W 0.12m x L: 0.2m x H: 0m)		
Beam Angle (50%):	113.4°H x 111.6°V	Field Angle (10%):	149.5°H x 144.2°V
Beam Lumens:	8279.4 lumens	Field Lumens:	10167.3 lumens
Beam Efficiency:	80.2%	Field Efficiency:	98.5%
Input Watts (W):	63.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot

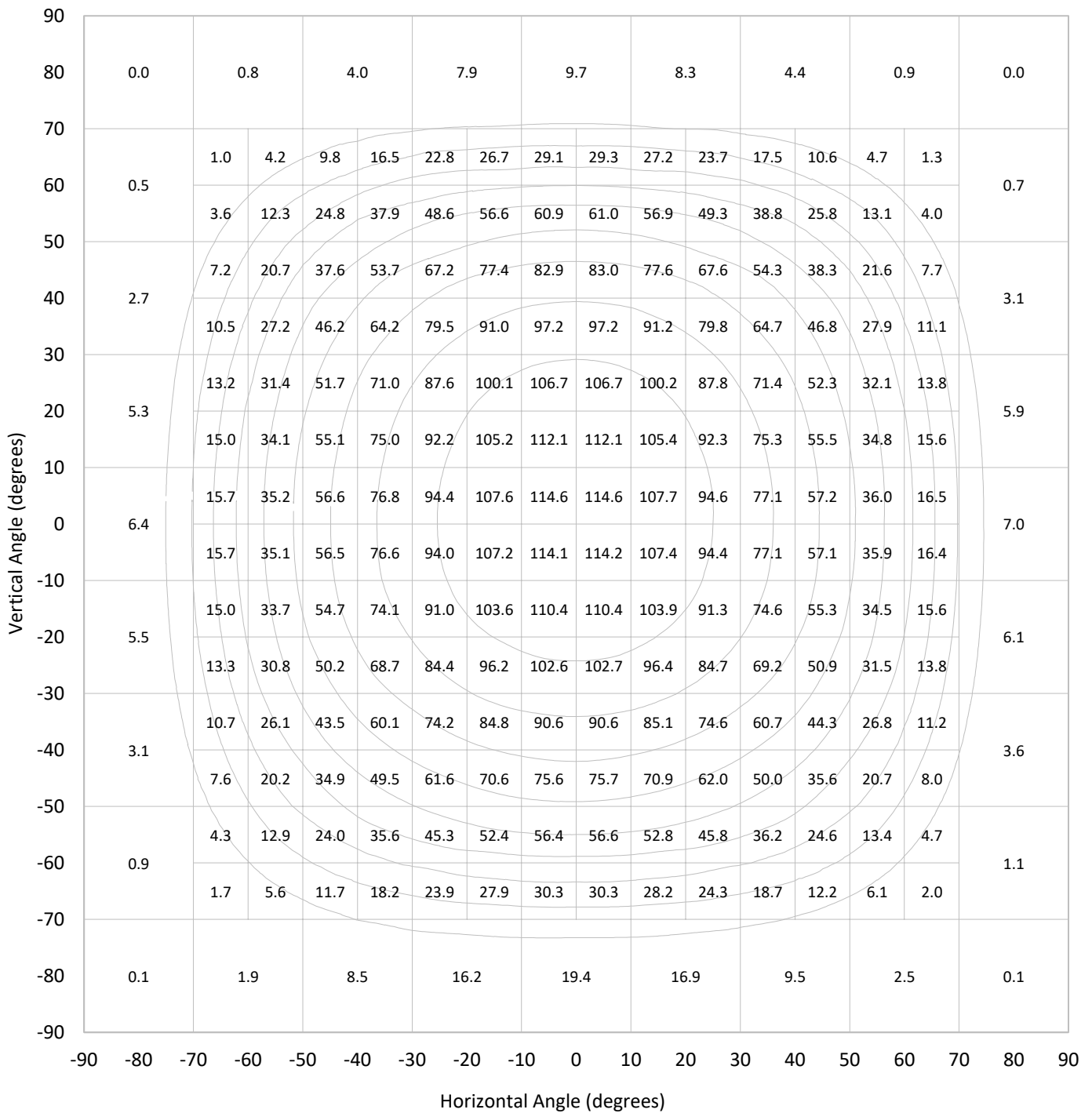




REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)

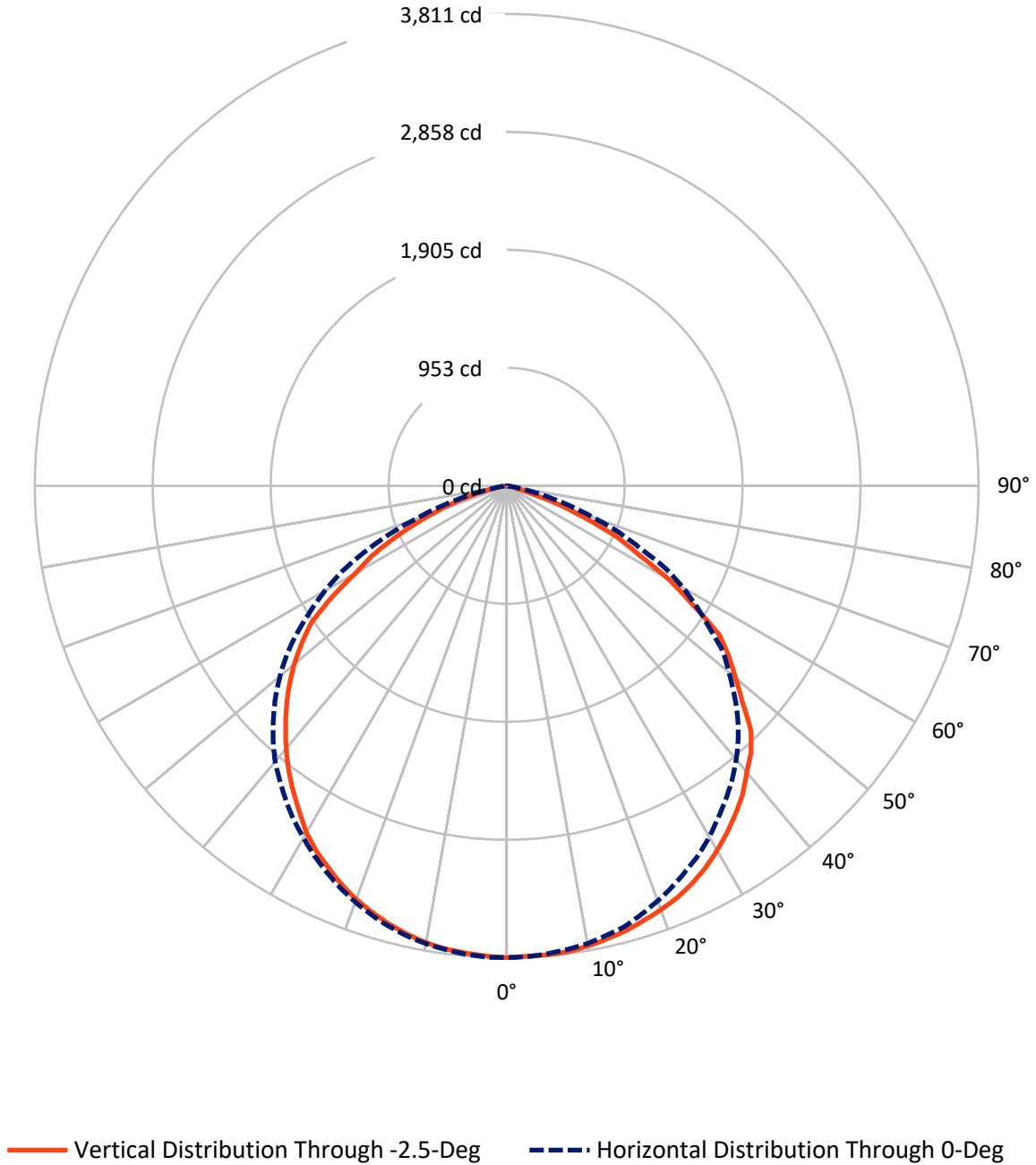
CATALOG NUMBER: LSF65-XX-PC-65W-7040

Lumen Table



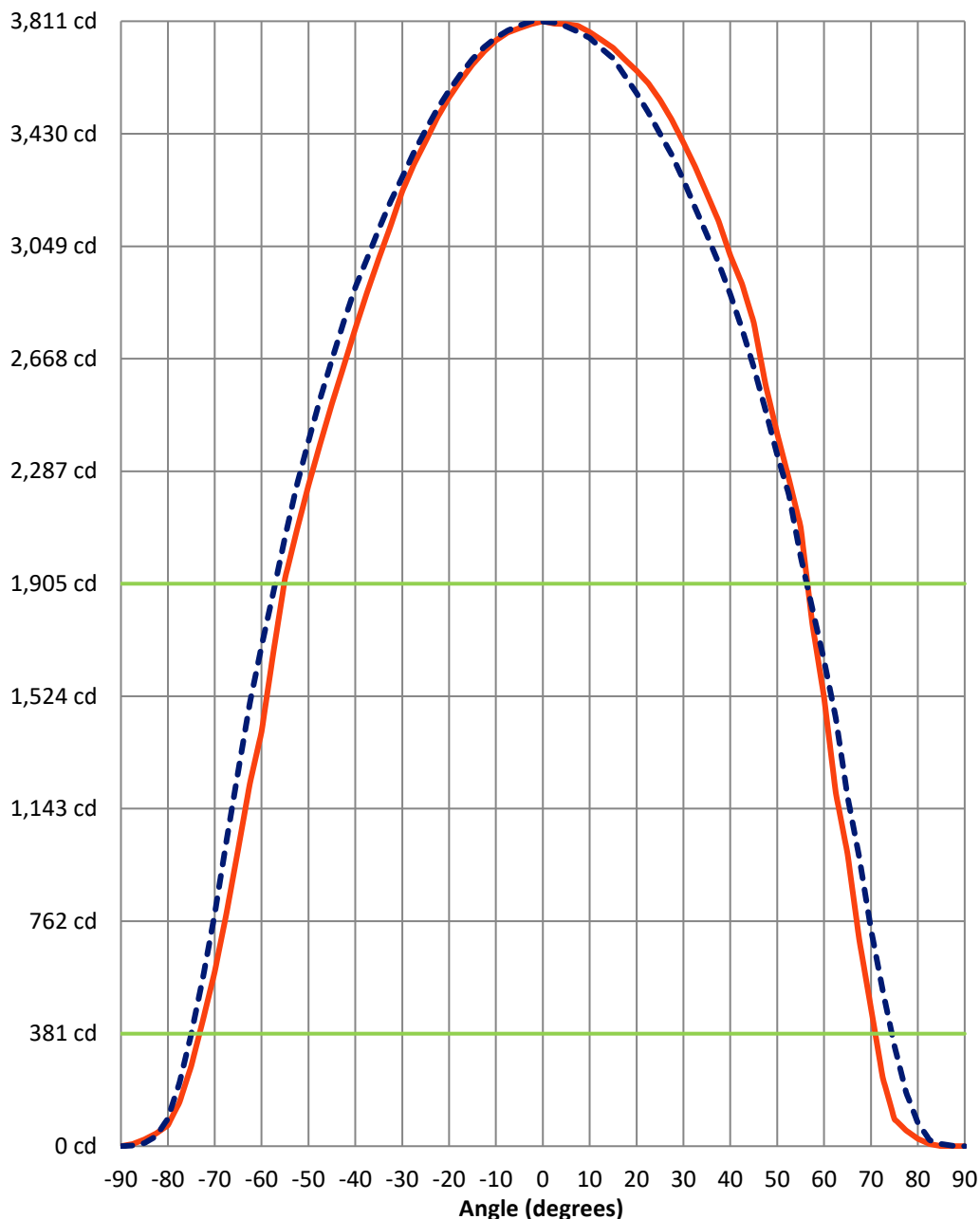
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 113.4°
 V Angle: 111.6°
 Lumens: 8279.4
 Efficiency: 80.2%

Field:
 H Angle: 149.5°
 V Angle: 144.2°
 Lumens: 10167.3
 Efficiency: 98.5%

Spill:
 Lumens: 152.8
 Efficiency: 1.5%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5
85°	0.0	0.2	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.4	0.6	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.2
80°	0.0	0.5	0.8	1.0	1.0	1.1	1.1	1.2	2.2	2.8	3.5
77.5°	0.0	0.6	1.0	1.1	1.2	1.4	2.1	3.5	4.7	6.2	7.8
75°	0.0	0.7	1.1	1.2	1.6	2.3	4.3	6.1	7.9	10.0	12.6
72.5°	0.0	0.8	1.2	1.5	1.9	4.1	6.5	8.8	11.2	15.2	19.6
70°	0.0	0.9	1.3	1.8	3.3	6.0	8.8	11.5	16.7	22.5	31.9
67.5°	0.0	1.0	1.4	2.1	4.6	7.9	11.3	16.6	23.4	36.6	55.2
65°	0.0	1.1	1.5	2.7	6.1	10.2	15.0	22.4	36.1	59.7	85.1
62.5°	0.0	1.2	1.8	3.7	7.7	12.7	19.9	28.7	57.5	86.6	119.3
60°	0.0	1.2	2.0	4.6	9.2	15.9	25.1	48.5	81.2	113.9	168.7
57.5°	0.0	1.3	2.2	5.5	11.5	19.9	30.4	68.7	104.7	156.2	229.5
55°	0.0	1.3	2.4	6.7	13.8	24.0	46.5	88.2	134.3	209.0	289.1
52.5°	0.0	1.4	2.7	7.8	16.2	28.2	62.1	107.7	172.1	262.9	362.3
50°	0.0	1.4	3.2	9.0	19.3	32.3	78.0	130.0	219.7	318.3	428.8
47.5°	0.0	1.4	3.7	10.2	22.2	44.0	93.5	160.6	266.4	376.6	498.0
45°	0.0	1.5	4.2	11.9	25.2	55.2	109.7	194.1	309.8	432.2	575.8
42.5°	0.0	1.5	4.7	13.6	28.1	66.4	125.6	230.0	354.0	489.1	653.3
40°	0.0	1.6	5.1	15.3	31.0	77.7	148.6	264.0	396.8	546.6	706.6
37.5°	0.0	1.6	5.6	16.9	33.7	88.4	170.4	296.1	438.7	609.3	772.7
35°	0.0	1.7	6.1	18.7	39.4	99.7	194.2	328.1	479.7	659.9	838.1
32.5°	0.0	1.8	6.7	20.5	46.0	111.1	218.4	359.4	518.6	698.4	899.3
30°	0.0	1.8	7.2	22.1	52.1	122.0	240.8	389.0	559.1	744.3	956.7
27.5°	0.0	1.9	7.7	23.7	57.8	133.2	261.5	417.6	601.0	790.2	1009.7
25°	0.0	2.0	8.2	25.2	63.2	146.1	280.4	443.9	637.9	833.1	1047.4
22.5°	0.0	2.0	8.6	26.5	68.8	157.9	297.4	467.7	663.8	872.7	1082.6
20°	0.0	2.1	9.0	27.8	73.8	168.6	313.4	488.3	687.6	908.3	1121.6
17.5°	0.0	2.1	9.3	28.9	78.4	178.1	329.0	506.0	709.6	940.1	1154.9
15°	0.0	2.2	9.6	30.0	82.3	187.1	342.5	521.0	731.8	967.8	1184.5
12.5°	0.0	2.2	9.9	30.9	85.7	195.6	354.1	535.3	750.1	991.2	1213.2
10°	0.0	2.3	10.1	31.7	88.5	202.7	363.5	549.2	764.7	1007.6	1236.0
7.5°	0.0	2.3	10.3	32.3	90.7	208.2	370.9	559.8	775.5	1019.4	1253.0
5°	0.0	2.3	10.4	32.8	92.3	212.2	376.1	567.0	782.6	1027.6	1264.2
2.5°	0.0	2.3	10.5	33.2	93.3	214.7	379.2	570.9	786.2	1032.2	1269.5
0°	0.0	2.3	10.6	33.5	93.7	215.7	380.2	571.4	786.3	1033.0	1269.1
-2.5°	0.0	2.4	10.7	33.8	94.4	216.5	380.2	571.7	786.9	1032.2	1269.4
-5°	0.0	2.4	10.8	34.0	94.5	215.8	378.1	568.8	784.0	1027.6	1264.0
-7.5°	0.0	2.4	10.9	34.0	94.0	213.7	373.9	562.8	777.6	1019.1	1252.9
-10°	0.0	2.4	10.9	33.8	92.8	210.2	367.8	553.6	767.7	1006.7	1236.1
-12.5°	0.0	2.4	10.8	33.5	91.0	205.2	359.8	541.4	754.1	989.8	1213.6
-15°	0.0	2.4	10.7	33.0	88.6	198.9	349.9	528.8	736.8	966.7	1185.6
-17.5°	0.0	2.4	10.5	32.4	85.6	191.8	338.2	515.2	715.9	939.7	1156.7
-20°	0.0	2.3	10.2	31.5	81.9	183.9	324.9	498.9	694.0	908.8	1124.2

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Scaled Data Report



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CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.3	10.0	30.6	77.6	174.7	311.3	479.9	669.7	875.3	1086.1
-25°	0.0	2.2	9.6	29.6	72.6	164.2	296.9	457.0	642.8	838.5	1047.9
-27.5°	0.0	2.2	9.2	28.4	67.9	152.5	281.0	430.7	609.7	798.7	1006.1
-30°	0.0	2.1	8.7	27.2	62.9	141.8	263.5	401.9	573.4	755.1	955.5
-32.5°	0.0	2.1	8.2	25.8	57.5	130.9	244.7	375.4	537.2	710.3	901.8
-35°	0.0	2.0	7.5	24.3	51.4	119.2	224.4	348.9	500.4	668.8	846.6
-37.5°	0.0	1.9	7.0	22.7	46.0	107.6	203.5	322.1	460.0	621.9	785.7
-40°	0.0	1.9	6.6	21.0	42.8	96.9	182.0	295.2	416.3	570.3	723.0
-42.5°	0.0	1.9	6.2	19.2	39.3	85.6	159.2	266.9	378.0	516.1	667.4
-45°	0.0	1.8	5.7	17.2	35.4	74.5	141.2	237.3	342.4	459.7	599.6
-47.5°	0.0	1.8	5.3	15.2	32.4	63.6	122.3	206.7	307.0	402.4	529.3
-50°	0.0	1.7	4.8	13.5	29.5	52.2	105.7	175.2	268.7	358.4	461.9
-52.5°	0.0	1.7	4.2	12.0	26.5	46.0	88.7	149.0	229.1	313.6	397.3
-55°	0.0	1.6	3.9	10.3	23.4	39.4	72.9	124.6	188.4	267.7	346.1
-57.5°	0.0	1.6	3.6	8.5	20.1	34.4	56.7	102.9	152.9	220.4	293.7
-60°	0.0	1.5	3.3	7.5	16.8	30.2	47.2	81.2	122.6	172.1	239.9
-62.5°	0.0	1.4	3.0	6.5	14.0	25.8	38.4	60.1	96.2	135.2	185.1
-65°	0.0	1.4	2.6	5.5	11.0	21.2	33.0	47.3	71.8	104.3	139.8
-67.5°	0.0	1.3	2.4	4.6	8.7	16.9	27.4	37.7	52.9	76.4	104.7
-70°	0.0	1.1	2.2	4.0	7.2	12.6	21.6	30.6	39.7	54.3	74.4
-72.5°	0.0	1.0	2.0	3.4	5.7	9.4	15.9	23.8	30.9	39.4	51.3
-75°	0.0	0.9	1.8	2.8	4.7	7.3	10.8	16.9	23.4	29.3	36.0
-77.5°	0.0	0.7	1.5	2.4	3.6	5.5	8.0	11.3	15.8	21.2	26.1
-80°	0.0	0.6	1.3	2.0	2.9	4.1	5.8	7.7	10.4	13.5	17.4
-82.5°	0.0	0.4	1.0	1.6	2.2	3.0	3.9	5.2	6.7	8.3	10.3
-85°	0.0	0.3	0.6	1.0	1.5	2.0	2.6	3.3	4.0	4.8	5.8
-87.5°	0.0	0.1	0.3	0.5	0.8	1.0	1.3	1.6	1.9	2.3	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
82.5°	1.4	1.3	1.4	2.2	2.7	2.9	3.0	3.4	4.1	4.8	5.5
80°	4.6	5.8	6.9	7.8	8.8	9.6	10.4	11.3	13.2	14.7	15.8
77.5°	9.5	11.4	12.9	14.8	17.7	20.3	23.7	26.7	29.6	32.5	35.1
75°	15.3	18.9	22.8	28.1	33.6	41.5	47.3	57.9	67.9	74.8	78.4
72.5°	24.6	32.4	42.8	56.3	70.4	85.3	100.8	114.0	122.5	133.2	140.4
70°	44.1	62.3	79.9	100.7	123.3	147.6	171.2	197.8	222.1	247.5	284.2
67.5°	76.9	98.3	128.9	165.6	199.5	238.0	279.3	330.2	368.9	395.7	454.1
65°	113.7	153.7	201.8	243.6	307.4	365.1	413.9	476.2	553.6	595.7	633.9
62.5°	168.2	224.2	287.1	362.0	425.7	496.4	591.6	654.1	697.7	767.0	840.1
60°	234.0	307.2	392.6	470.4	574.3	666.0	735.7	815.2	902.2	990.0	1074.8
57.5°	306.9	399.8	491.7	622.7	721.5	809.3	907.1	1005.3	1105.8	1221.8	1329.4
55°	389.8	489.1	628.3	754.8	862.4	970.5	1076.8	1188.5	1340.0	1460.8	1521.4
52.5°	467.3	603.8	738.6	880.0	1007.0	1119.8	1249.6	1405.7	1518.6	1604.8	1677.7
50°	555.9	702.7	851.2	1001.5	1137.6	1277.2	1441.3	1555.0	1647.3	1733.6	1813.8
47.5°	653.7	799.3	960.0	1109.7	1268.1	1447.9	1569.7	1669.8	1762.3	1858.3	1948.5
45°	725.4	895.8	1059.7	1214.6	1416.7	1565.5	1673.9	1772.7	1888.2	1990.9	2101.8
42.5°	809.9	988.1	1148.3	1352.0	1521.3	1658.8	1765.9	1898.2	2010.9	2124.1	2237.8
40°	890.4	1066.0	1250.7	1452.7	1608.9	1736.5	1884.7	2011.0	2121.8	2237.6	2338.2
37.5°	966.7	1140.1	1356.8	1529.7	1682.4	1826.1	1985.8	2103.3	2218.5	2327.6	2424.1
35°	1033.4	1224.2	1432.3	1610.3	1750.6	1915.0	2058.3	2181.0	2301.5	2407.9	2513.8
32.5°	1083.6	1313.2	1494.6	1669.5	1825.9	1981.7	2126.0	2257.1	2373.8	2493.2	2589.6
30°	1148.0	1371.2	1565.0	1727.7	1889.0	2048.2	2194.1	2321.4	2449.1	2562.4	2662.9
27.5°	1211.6	1420.5	1620.2	1782.7	1939.4	2111.0	2254.1	2382.9	2511.8	2621.3	2728.3
25°	1274.1	1470.0	1664.9	1828.0	1993.6	2166.8	2305.9	2438.0	2558.2	2675.5	2783.7
22.5°	1323.3	1525.5	1709.7	1862.8	2050.2	2214.0	2353.6	2482.2	2604.1	2722.5	2825.7
20°	1361.8	1574.6	1747.0	1902.2	2101.1	2254.5	2392.7	2520.1	2642.8	2760.6	2867.8
17.5°	1396.1	1605.6	1778.4	1940.5	2138.8	2289.8	2421.1	2553.3	2677.9	2795.2	2905.1
15°	1424.0	1632.6	1805.2	1979.4	2171.5	2319.4	2449.5	2580.5	2705.6	2826.3	2936.2
12.5°	1447.5	1655.0	1828.1	2009.8	2196.0	2342.6	2476.2	2607.5	2730.9	2853.0	2957.7
10°	1467.0	1672.2	1847.3	2033.5	2215.3	2360.0	2499.1	2630.4	2755.9	2877.0	2977.6
7.5°	1484.1	1684.6	1861.4	2050.6	2228.9	2373.7	2516.1	2648.1	2774.2	2893.5	2993.2
5°	1495.5	1692.2	1870.8	2061.3	2236.8	2383.5	2526.8	2659.4	2785.8	2904.4	3003.1
2.5°	1501.2	1695.2	1875.5	2065.4	2239.7	2388.6	2532.4	2664.6	2791.5	2909.6	3007.6
0°	1501.6	1693.8	1875.6	2063.0	2237.6	2388.1	2532.4	2664.1	2791.3	2909.2	3006.5
-2.5°	1500.1	1692.8	1874.3	2061.4	2236.5	2387.3	2531.3	2663.5	2790.9	2908.8	3007.2
-5°	1493.6	1687.3	1868.4	2053.5	2230.7	2380.8	2524.5	2657.2	2784.6	2902.6	3002.6
-7.5°	1481.9	1677.5	1857.8	2039.6	2220.3	2369.4	2512.4	2645.0	2772.5	2890.6	2993.2
-10°	1465.2	1663.1	1842.1	2019.8	2204.2	2353.5	2494.2	2626.6	2754.3	2873.0	2978.7
-12.5°	1445.7	1644.2	1820.3	1994.3	2181.9	2332.5	2470.2	2602.7	2730.0	2848.8	2954.7
-15°	1422.4	1620.2	1794.0	1965.2	2154.4	2301.2	2442.2	2574.4	2696.7	2811.3	2914.1
-17.5°	1394.7	1591.2	1763.1	1930.2	2114.0	2264.3	2409.6	2536.1	2653.7	2765.2	2868.2
-20°	1360.4	1558.4	1727.2	1892.4	2068.2	2224.6	2365.2	2488.6	2605.5	2716.5	2817.2



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1322.0	1514.4	1686.9	1851.0	2013.8	2172.1	2306.3	2433.4	2554.8	2663.3	2757.6
-25°	1273.7	1466.0	1641.8	1799.3	1954.8	2111.3	2238.7	2375.0	2494.8	2601.9	2699.5
-27.5°	1213.5	1417.6	1587.3	1739.4	1893.4	2044.2	2176.1	2301.9	2423.4	2537.6	2631.3
-30°	1151.8	1361.2	1525.9	1672.5	1828.1	1975.0	2106.2	2218.8	2346.7	2457.2	2550.1
-32.5°	1087.2	1299.4	1456.1	1603.8	1751.2	1899.3	2031.2	2142.2	2251.8	2368.4	2461.9
-35°	1029.1	1215.7	1388.2	1533.7	1664.5	1816.7	1952.6	2063.0	2162.0	2267.1	2365.5
-37.5°	962.3	1136.1	1315.9	1453.3	1582.2	1717.6	1862.6	1981.3	2075.5	2167.1	2261.3
-40°	891.4	1059.6	1226.2	1374.6	1499.0	1615.2	1754.6	1882.4	1984.8	2071.9	2155.0
-42.5°	820.8	978.7	1137.0	1290.4	1411.0	1521.8	1638.1	1771.4	1879.5	1972.1	2051.8
-45°	744.9	893.5	1047.1	1189.0	1321.0	1429.8	1539.4	1649.5	1765.4	1857.8	1942.1
-47.5°	674.8	812.1	947.9	1095.2	1218.9	1333.1	1438.7	1541.4	1642.1	1741.6	1820.0
-50°	587.3	727.1	855.7	984.5	1117.7	1216.6	1326.9	1429.4	1525.1	1616.5	1702.2
-52.5°	504.2	635.6	762.9	877.8	989.1	1090.3	1189.2	1301.4	1397.0	1489.1	1565.5
-55°	428.7	529.4	664.3	779.2	868.4	958.4	1042.5	1131.2	1255.9	1337.5	1408.4
-57.5°	365.5	443.6	536.1	664.3	758.4	835.6	908.7	979.5	1046.5	1147.3	1239.8
-60°	306.8	371.7	441.5	521.2	621.1	713.4	785.8	846.2	904.1	954.1	1022.1
-62.5°	246.5	306.9	365.2	422.7	486.0	557.1	639.1	721.0	772.2	816.1	860.4
-65°	185.2	240.2	294.1	339.3	390.0	440.6	490.3	545.3	605.7	677.9	715.6
-67.5°	134.8	172.4	220.1	261.7	299.6	338.3	389.9	427.7	462.0	492.4	542.9
-70°	98.1	122.0	151.5	184.3	219.2	250.8	279.0	303.9	350.8	388.3	408.5
-72.5°	66.6	86.3	104.2	120.6	143.8	168.3	194.5	217.8	238.7	260.1	282.6
-75°	44.5	56.7	68.0	80.7	92.8	105.0	117.2	135.0	150.2	164.8	177.2
-77.5°	30.6	36.1	42.7	49.1	56.6	63.2	71.9	79.8	86.6	93.1	99.4
-80°	21.5	25.3	28.2	31.0	34.1	38.0	41.2	44.1	48.5	52.2	55.1
-82.5°	13.0	15.9	18.2	20.3	22.4	24.4	26.3	28.1	29.7	31.1	32.5
-85°	7.0	8.2	9.1	10.0	11.1	12.4	13.8	15.0	16.1	17.0	17.9
-87.5°	3.1	3.6	4.0	4.3	4.7	5.0	5.4	5.7	5.9	6.1	6.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
85°	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3
82.5°	6.2	6.7	7.3	7.4	7.5	7.5	7.5	7.4	7.3	7.5	7.6
80°	17.2	18.5	19.6	20.7	21.8	22.8	23.5	24.1	24.4	24.9	25.2
77.5°	39.2	42.3	43.0	44.5	46.4	47.9	49.2	50.2	51.0	52.1	52.8
75°	79.4	78.1	74.4	75.6	81.4	88.4	97.9	108.3	115.4	115.2	111.7
72.5°	147.4	157.7	169.9	193.1	212.1	219.6	217.4	210.3	198.9	203.8	217.9
70°	308.8	323.6	345.6	369.7	390.3	401.2	408.5	413.4	419.9	430.9	444.6
67.5°	493.7	518.0	549.8	588.5	600.7	601.6	610.0	642.4	664.7	685.3	697.6
65°	677.2	706.4	770.2	848.4	877.2	901.0	919.4	932.6	940.4	951.6	968.7
62.5°	920.9	983.7	1039.7	1087.5	1122.3	1146.0	1155.1	1153.6	1146.8	1146.9	1166.4
60°	1155.4	1232.1	1282.9	1311.0	1321.0	1349.4	1402.8	1444.8	1466.9	1475.2	1492.1
57.5°	1400.1	1433.1	1453.1	1504.7	1586.5	1649.6	1672.0	1673.0	1686.9	1719.2	1751.8
55°	1558.8	1628.9	1718.5	1794.8	1851.1	1878.9	1918.9	1965.8	2003.9	2039.3	2058.3
52.5°	1752.3	1826.6	1893.1	1953.0	2003.2	2050.1	2092.9	2133.1	2170.3	2201.2	2224.3
50°	1892.5	1972.6	2047.0	2106.6	2146.5	2190.5	2240.4	2284.2	2321.4	2349.0	2371.7
47.5°	2047.3	2140.4	2202.0	2250.0	2293.2	2345.5	2407.7	2456.7	2487.4	2508.3	2531.4
45°	2216.3	2281.8	2335.5	2391.4	2465.4	2542.4	2589.4	2625.1	2663.0	2703.4	2739.6
42.5°	2333.4	2399.1	2463.2	2543.2	2616.7	2673.2	2720.4	2766.5	2807.9	2844.2	2875.7
40°	2424.5	2503.0	2585.0	2658.2	2717.9	2773.0	2818.2	2872.1	2917.0	2949.0	2974.2
37.5°	2517.3	2604.8	2681.7	2745.1	2804.4	2869.1	2931.8	2975.7	3017.1	3053.4	3085.2
35°	2605.3	2689.4	2758.2	2829.6	2902.5	2962.6	3022.9	3069.1	3111.5	3149.1	3175.3
32.5°	2683.9	2763.0	2839.3	2912.3	2985.6	3048.1	3105.4	3154.2	3196.3	3232.6	3264.2
30°	2753.3	2834.8	2912.6	2991.7	3062.2	3131.3	3183.3	3237.4	3284.0	3319.0	3348.2
27.5°	2816.7	2900.1	2984.4	3060.2	3138.4	3196.4	3260.2	3311.6	3358.1	3391.2	3425.6
25°	2873.5	2962.4	3042.4	3120.2	3192.1	3265.2	3321.3	3373.5	3422.9	3461.6	3490.9
22.5°	2923.5	3013.0	3088.6	3167.0	3244.9	3314.6	3376.5	3427.9	3474.9	3515.6	3546.5
20°	2967.5	3049.9	3129.9	3210.1	3287.1	3356.0	3419.0	3473.9	3522.8	3560.0	3592.6
17.5°	3000.9	3083.6	3165.5	3247.1	3320.4	3392.2	3457.5	3515.0	3564.5	3600.4	3629.6
15°	3028.4	3113.8	3195.6	3278.8	3350.4	3426.6	3492.4	3549.9	3596.9	3635.4	3662.2
12.5°	3051.6	3136.7	3224.3	3303.0	3384.3	3455.0	3518.9	3578.5	3626.0	3661.8	3696.7
10°	3070.8	3154.2	3244.9	3330.5	3406.5	3477.3	3542.9	3598.7	3642.1	3688.5	3716.5
7.5°	3087.1	3172.3	3261.3	3349.5	3427.4	3493.0	3558.6	3617.5	3663.5	3704.7	3735.7
5°	3098.4	3187.3	3274.3	3361.5	3437.0	3506.7	3567.7	3628.3	3671.2	3710.2	3742.0
2.5°	3105.0	3196.9	3281.5	3367.0	3442.2	3514.5	3577.2	3632.6	3678.8	3715.9	3749.7
0°	3106.2	3199.4	3282.5	3367.0	3442.2	3514.0	3576.3	3632.7	3683.1	3723.7	3755.5
-2.5°	3104.2	3196.5	3281.6	3363.7	3440.6	3511.7	3573.3	3629.5	3676.9	3715.2	3751.1
-5°	3096.7	3187.7	3273.8	3353.1	3432.6	3501.4	3562.5	3618.9	3664.0	3702.4	3737.0
-7.5°	3084.0	3172.5	3258.8	3338.3	3418.1	3483.3	3548.6	3605.1	3649.7	3685.7	3718.3
-10°	3066.5	3150.0	3235.8	3317.9	3392.8	3460.0	3528.3	3583.7	3625.3	3660.0	3692.6
-12.5°	3039.1	3118.6	3204.0	3286.7	3359.6	3432.1	3495.8	3548.7	3592.3	3623.8	3654.6
-15°	3003.5	3081.0	3163.3	3247.5	3323.8	3391.5	3449.6	3505.7	3551.3	3583.5	3611.0
-17.5°	2961.7	3038.2	3114.8	3198.6	3273.2	3339.5	3400.8	3453.5	3496.2	3530.0	3555.2
-20°	2910.2	2990.5	3062.2	3139.0	3214.8	3282.1	3340.4	3391.9	3436.0	3467.8	3497.2

Classified

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

Scaled Data Report



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2850.4	2935.9	3007.4	3076.8	3146.5	3214.5	3273.9	3322.6	3363.6	3401.2	3432.1
-25°	2784.8	2867.4	2945.4	3013.3	3077.6	3138.1	3197.1	3246.4	3284.7	3324.9	3358.4
-27.5°	2708.0	2788.3	2868.6	2941.3	3004.8	3062.7	3118.8	3166.7	3202.9	3243.5	3274.2
-30°	2629.5	2701.2	2777.5	2853.2	2920.0	2976.2	3029.2	3081.1	3122.4	3153.3	3183.0
-32.5°	2540.8	2611.4	2679.2	2749.7	2820.6	2879.6	2928.8	2973.8	3016.5	3050.3	3073.8
-35°	2446.4	2515.5	2577.5	2646.6	2710.9	2772.9	2821.3	2864.1	2903.4	2935.2	2959.3
-37.5°	2345.5	2414.0	2479.8	2542.0	2602.1	2660.4	2708.5	2753.0	2789.0	2823.4	2848.3
-40°	2236.7	2310.3	2374.9	2437.3	2493.2	2540.5	2590.7	2635.2	2669.5	2698.8	2722.1
-42.5°	2126.2	2197.6	2263.9	2323.0	2377.1	2426.4	2471.6	2509.4	2544.8	2574.8	2597.1
-45°	2015.4	2082.4	2145.1	2202.2	2251.6	2299.7	2347.4	2387.4	2420.9	2446.7	2468.2
-47.5°	1893.4	1963.6	2023.3	2077.3	2126.8	2171.4	2216.3	2256.6	2293.7	2322.0	2342.6
-50°	1768.0	1828.7	1891.9	1948.1	1995.1	2039.1	2081.9	2120.8	2155.3	2185.9	2208.0
-52.5°	1637.6	1701.4	1751.6	1800.7	1849.6	1897.5	1938.6	1973.7	2005.3	2031.6	2052.9
-55°	1456.4	1525.9	1604.2	1662.1	1700.7	1730.3	1772.8	1816.0	1845.7	1869.6	1889.8
-57.5°	1282.6	1322.5	1358.9	1416.5	1489.3	1536.6	1554.9	1563.9	1584.9	1618.5	1648.8
-60°	1094.9	1157.7	1184.0	1202.5	1231.1	1273.1	1307.3	1340.8	1356.5	1362.3	1379.5
-62.5°	911.0	966.6	1013.0	1045.2	1075.9	1109.6	1135.0	1157.2	1176.1	1192.2	1207.0
-65°	745.6	772.7	811.4	855.3	890.7	913.5	922.5	931.2	944.6	972.8	995.6
-67.5°	592.2	627.0	647.9	666.0	691.1	712.4	730.7	745.8	752.3	759.4	770.7
-70°	426.9	443.5	470.9	510.5	536.2	542.1	545.5	548.5	563.9	581.8	593.9
-72.5°	310.4	337.0	356.0	362.9	367.6	374.7	386.9	400.8	415.4	423.5	425.4
-75°	190.6	206.0	221.7	235.4	245.7	253.2	258.0	260.3	260.2	264.4	268.5
-77.5°	106.7	112.8	116.9	120.3	124.7	128.1	130.4	131.7	133.2	138.9	143.6
-80°	58.0	60.1	61.1	62.8	65.0	67.8	69.3	69.7	69.2	69.9	70.5
-82.5°	34.0	35.6	37.0	38.2	39.2	40.0	40.7	41.4	41.9	42.4	42.8
-85°	18.8	19.6	20.3	20.7	21.1	21.4	21.7	22.0	22.2	22.4	22.6
-87.5°	6.4	6.6	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.3	7.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
82.5°	7.6	7.5	7.4	7.2	7.2	7.2	7.1	7.0	6.8	6.5	6.5
80°	25.4	25.4	25.2	24.9	25.0	24.9	24.7	24.2	23.6	22.9	22.4
77.5°	53.3	53.4	53.2	52.8	52.9	52.8	52.4	51.6	50.6	49.3	48.2
75°	106.5	100.0	92.3	84.0	89.6	94.7	98.9	102.0	103.8	103.9	102.7
72.5°	227.3	232.3	233.4	231.1	232.5	230.6	224.9	215.0	200.4	191.7	195.8
70°	455.8	463.8	468.0	467.6	466.7	460.8	449.9	434.4	414.3	394.9	379.0
67.5°	703.1	704.1	700.4	691.6	699.4	702.1	700.2	693.9	680.2	653.8	626.4
65°	981.1	988.6	990.7	987.1	988.8	984.8	975.6	961.7	943.3	926.7	910.4
62.5°	1192.8	1201.8	1197.2	1183.2	1193.3	1193.8	1180.4	1148.9	1126.8	1127.8	1135.7
60°	1505.3	1514.5	1519.5	1520.2	1517.8	1511.0	1500.0	1485.0	1466.2	1451.2	1425.6
57.5°	1767.0	1773.5	1769.8	1754.6	1765.2	1763.6	1750.8	1728.9	1696.4	1669.6	1655.9
55°	2075.0	2088.3	2097.2	2100.2	2096.8	2087.3	2072.7	2053.9	2031.6	1991.1	1948.8
52.5°	2241.5	2253.3	2259.9	2261.5	2257.9	2249.2	2235.7	2216.5	2191.0	2159.7	2123.7
50°	2391.1	2405.1	2413.7	2416.7	2413.2	2404.2	2389.6	2369.5	2344.1	2311.5	2272.3
47.5°	2555.8	2573.4	2581.2	2580.8	2579.8	2570.4	2551.3	2524.9	2499.6	2477.3	2443.1
45°	2761.6	2779.0	2789.9	2792.7	2788.8	2776.9	2759.1	2737.1	2698.4	2657.3	2617.4
42.5°	2896.8	2911.1	2920.7	2925.7	2919.6	2908.7	2893.0	2871.9	2840.2	2800.1	2754.9
40°	2994.5	3008.8	3017.3	3020.5	3016.9	3007.8	2992.3	2970.4	2943.7	2907.7	2862.3
37.5°	3107.9	3123.9	3133.8	3138.1	3134.3	3125.7	3111.4	3087.5	3051.6	3008.4	2972.4
35°	3196.5	3213.7	3226.3	3233.9	3227.5	3216.0	3199.9	3177.7	3147.1	3109.1	3064.1
32.5°	3288.5	3306.3	3317.9	3324.1	3317.6	3305.5	3287.9	3263.9	3230.6	3194.9	3153.3
30°	3373.4	3389.2	3399.7	3404.3	3401.4	3391.2	3372.8	3346.2	3314.5	3279.7	3229.6
27.5°	3451.8	3469.0	3477.4	3480.5	3477.1	3468.6	3450.5	3424.8	3394.8	3356.9	3304.1
25°	3513.5	3532.9	3544.4	3549.2	3544.9	3535.3	3518.7	3490.4	3456.1	3420.4	3371.8
22.5°	3571.7	3590.1	3600.9	3606.4	3602.6	3593.7	3572.1	3546.9	3514.9	3473.1	3422.9
20°	3618.6	3638.3	3643.6	3644.9	3642.8	3637.8	3620.1	3592.3	3557.4	3515.5	3469.3
17.5°	3651.3	3672.4	3681.2	3684.7	3681.9	3674.2	3658.1	3631.4	3598.4	3552.5	3502.8
15°	3686.3	3706.6	3720.5	3722.6	3718.8	3709.3	3693.9	3664.4	3631.6	3592.7	3538.5
12.5°	3719.5	3736.5	3747.9	3751.1	3748.2	3738.1	3724.4	3698.1	3655.8	3618.5	3569.7
10°	3743.2	3762.6	3774.1	3774.3	3769.8	3763.4	3747.3	3721.5	3686.7	3638.6	3594.0
7.5°	3764.1	3784.3	3795.2	3795.5	3788.2	3781.2	3763.2	3739.1	3704.7	3661.6	3609.0
5°	3768.6	3789.7	3801.4	3800.8	3800.0	3794.1	3771.0	3748.8	3715.2	3671.2	3620.2
2.5°	3773.1	3789.4	3802.6	3810.4	3807.7	3794.6	3776.4	3751.7	3719.6	3680.8	3626.5
0°	3779.4	3796.6	3811.0	3809.8	3806.5	3793.3	3775.3	3754.2	3718.9	3685.1	3626.2
-2.5°	3773.1	3789.6	3801.0	3797.2	3790.5	3785.0	3769.8	3741.6	3707.3	3670.7	3617.6
-5°	3764.1	3783.3	3787.6	3784.3	3783.3	3773.4	3759.6	3730.9	3696.6	3653.2	3604.9
-7.5°	3745.0	3762.3	3772.6	3766.9	3769.6	3760.0	3744.9	3714.4	3680.3	3637.1	3593.8
-10°	3717.9	3737.3	3746.2	3744.6	3745.0	3736.6	3716.2	3688.9	3655.7	3615.6	3570.6
-12.5°	3680.1	3697.8	3708.8	3712.1	3707.1	3699.2	3686.7	3654.8	3625.6	3583.9	3530.7
-15°	3633.7	3653.6	3664.5	3666.7	3662.4	3653.1	3635.8	3612.8	3580.9	3536.3	3487.3
-17.5°	3583.8	3605.5	3611.3	3610.3	3607.0	3599.5	3585.2	3562.6	3523.2	3485.2	3438.3
-20°	3524.6	3544.3	3552.8	3555.0	3550.2	3541.4	3525.1	3497.2	3467.1	3422.4	3376.4



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3459.2	3477.7	3484.9	3485.7	3484.6	3475.1	3459.6	3428.9	3392.0	3354.8	3313.0
-25°	3381.6	3396.9	3404.4	3404.3	3402.7	3394.0	3377.7	3347.5	3316.5	3283.2	3238.8
-27.5°	3300.5	3317.5	3326.2	3326.7	3321.6	3310.7	3292.7	3271.0	3243.4	3202.1	3158.0
-30°	3210.1	3226.3	3234.4	3234.4	3234.1	3226.4	3211.9	3182.8	3148.1	3111.6	3069.6
-32.5°	3092.0	3108.0	3116.7	3116.8	3116.7	3107.9	3091.5	3070.5	3042.1	3001.3	2953.1
-35°	2980.1	2997.1	3006.8	3009.0	3005.3	2993.9	2974.9	2951.4	2925.4	2889.8	2847.2
-37.5°	2866.8	2882.5	2892.3	2895.5	2891.8	2881.9	2865.7	2843.0	2814.0	2778.9	2741.3
-40°	2743.9	2760.2	2770.1	2773.6	2768.8	2757.4	2739.3	2715.1	2688.4	2657.1	2623.1
-42.5°	2617.6	2632.4	2641.4	2644.3	2638.8	2627.5	2610.5	2588.2	2565.2	2536.1	2500.4
-45°	2489.3	2504.9	2514.8	2518.8	2514.2	2504.1	2489.1	2470.0	2443.1	2410.3	2374.6
-47.5°	2359.2	2371.9	2379.4	2381.6	2377.2	2367.3	2352.4	2331.3	2305.7	2277.2	2244.5
-50°	2223.2	2233.4	2238.5	2238.4	2235.4	2227.1	2213.5	2194.8	2170.8	2141.9	2109.1
-52.5°	2068.9	2079.6	2084.9	2084.9	2082.3	2074.4	2061.4	2043.4	2021.1	1996.2	1965.0
-55°	1905.6	1916.8	1923.0	1924.0	1920.7	1912.0	1897.7	1878.1	1853.3	1829.7	1799.0
-57.5°	1663.5	1671.2	1670.9	1661.1	1668.0	1665.6	1656.0	1640.0	1606.7	1570.0	1545.2
-60°	1392.3	1400.6	1404.4	1403.6	1401.6	1395.2	1384.8	1370.5	1352.5	1345.2	1327.9
-62.5°	1218.0	1225.1	1228.3	1227.8	1226.3	1221.1	1211.7	1198.1	1181.6	1165.8	1147.7
-65°	1007.9	1011.0	1005.9	994.0	1004.0	1007.1	1002.3	988.3	964.0	934.9	921.7
-67.5°	779.4	785.2	788.1	788.2	787.6	784.3	778.2	769.2	757.2	746.1	734.4
-70°	598.7	597.1	590.5	580.0	588.6	593.5	593.6	587.7	574.9	556.8	541.3
-72.5°	427.2	428.1	427.6	425.2	427.0	426.8	425.4	423.2	421.0	411.5	394.2
-75°	271.2	272.4	272.2	270.5	270.7	269.4	266.8	262.8	257.4	251.7	248.8
-77.5°	146.9	148.7	149.2	148.5	148.4	147.1	144.5	140.5	135.2	128.9	126.3
-80°	70.8	70.8	70.6	70.2	70.1	69.9	69.3	68.6	67.6	66.4	65.3
-82.5°	43.0	43.1	43.0	42.8	42.8	42.6	42.3	41.9	41.3	40.6	39.7
-85°	22.8	22.8	22.8	22.7	22.7	22.6	22.4	22.2	21.9	21.5	20.9
-87.5°	7.4	7.3	7.3	7.2	7.3	7.3	7.4	7.4	7.4	7.3	7.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6
82.5°	6.5	6.4	6.4	6.3	6.1	5.8	5.4	4.9	4.2	3.5	2.6
80°	21.7	20.7	19.5	18.4	17.2	16.0	14.6	13.4	12.7	11.9	10.9
77.5°	46.9	45.3	43.4	41.3	39.4	38.0	35.0	31.2	28.5	25.5	22.6
75°	100.5	97.4	93.4	88.5	83.0	77.6	72.1	67.7	63.8	57.6	49.6
72.5°	198.6	199.9	195.2	179.7	158.8	152.0	142.8	129.5	116.1	102.6	94.4
70°	376.8	375.4	371.6	344.9	312.5	292.9	279.5	254.7	224.1	195.3	162.5
67.5°	593.7	586.9	585.0	565.3	511.6	474.8	451.0	411.3	369.6	333.7	291.7
65°	889.7	864.9	836.4	804.3	741.3	684.7	648.1	597.2	554.9	491.7	435.4
62.5°	1130.2	1103.4	1063.8	1024.5	983.8	939.6	882.0	806.6	731.2	656.6	616.7
60°	1387.9	1332.1	1300.0	1285.4	1238.5	1169.4	1094.3	1029.6	957.0	864.4	772.3
57.5°	1647.3	1614.5	1540.3	1474.8	1433.9	1404.5	1354.7	1273.5	1162.7	1064.8	964.7
55°	1898.8	1858.9	1828.3	1763.5	1677.3	1588.4	1533.9	1487.5	1403.5	1281.8	1136.5
52.5°	2081.0	2032.5	1982.4	1931.4	1873.0	1803.5	1714.5	1643.0	1573.3	1475.1	1346.6
50°	2228.0	2179.1	2133.1	2086.2	2021.1	1945.6	1871.0	1789.4	1700.2	1616.7	1517.9
47.5°	2391.6	2329.4	2278.7	2234.0	2185.2	2115.7	2016.3	1920.6	1831.6	1731.0	1640.4
45°	2577.9	2525.9	2444.5	2373.6	2317.8	2262.3	2192.7	2071.5	1959.6	1854.1	1744.1
42.5°	2707.4	2666.3	2602.4	2525.7	2446.3	2380.6	2311.7	2214.7	2096.7	1979.8	1857.2
40°	2808.8	2758.0	2701.7	2642.4	2566.2	2487.8	2405.9	2316.1	2212.5	2095.6	1978.7
37.5°	2919.6	2857.3	2791.7	2729.2	2662.4	2584.2	2496.9	2404.5	2304.7	2191.9	2077.0
35°	3011.7	2959.1	2890.8	2817.0	2742.1	2670.9	2585.3	2489.7	2386.6	2277.6	2156.2
32.5°	3099.0	3039.6	2976.4	2905.8	2827.6	2745.2	2665.5	2570.1	2466.6	2350.5	2229.7
30°	3181.4	3123.1	3052.8	2981.3	2904.4	2822.7	2733.0	2645.2	2538.0	2422.1	2293.2
27.5°	3251.6	3194.6	3130.9	3048.6	2969.8	2888.6	2803.0	2705.9	2605.3	2482.6	2350.3
25°	3314.0	3256.5	3188.9	3113.0	3027.4	2943.9	2861.7	2767.4	2657.6	2536.5	2409.8
22.5°	3372.1	3307.0	3237.6	3164.3	3082.5	2994.8	2903.6	2813.1	2702.5	2589.1	2456.7
20°	3414.8	3353.3	3280.4	3204.6	3122.6	3037.7	2947.1	2852.2	2746.3	2627.7	2496.4
17.5°	3451.9	3389.5	3319.5	3239.1	3162.3	3074.8	2983.5	2884.2	2782.4	2662.6	2533.0
15°	3480.1	3419.6	3352.3	3276.9	3193.1	3107.6	3013.8	2916.0	2810.4	2692.0	2566.1
12.5°	3510.8	3447.3	3378.9	3301.8	3220.1	3134.6	3040.6	2940.7	2833.2	2716.5	2590.7
10°	3535.2	3471.4	3400.8	3326.5	3241.6	3151.8	3058.9	2961.3	2854.6	2739.1	2612.0
7.5°	3553.3	3489.2	3418.3	3341.8	3256.8	3168.2	3076.3	2976.9	2871.3	2755.4	2627.7
5°	3566.0	3499.6	3430.8	3353.3	3267.5	3177.8	3087.1	2987.6	2882.0	2765.4	2637.3
2.5°	3571.2	3504.5	3434.2	3359.1	3273.2	3181.6	3090.5	2992.7	2886.6	2770.0	2640.9
0°	3567.3	3502.2	3429.9	3358.4	3272.8	3178.9	3087.4	2991.7	2885.4	2768.7	2638.6
-2.5°	3565.5	3499.4	3426.3	3355.0	3270.1	3176.7	3086.3	2989.7	2882.8	2767.7	2639.1
-5°	3554.7	3488.9	3414.7	3347.6	3260.5	3167.6	3079.4	2981.8	2874.9	2761.2	2633.7
-7.5°	3535.5	3469.1	3393.9	3332.5	3244.7	3153.7	3066.3	2968.1	2861.9	2749.7	2622.0
-10°	3508.0	3444.9	3374.9	3307.0	3221.9	3135.5	3047.0	2949.3	2844.2	2730.6	2604.0
-12.5°	3475.5	3413.3	3351.3	3273.4	3190.2	3106.7	3018.2	2921.7	2819.4	2704.5	2580.4
-15°	3433.9	3377.9	3312.0	3237.0	3154.3	3068.6	2979.5	2882.2	2784.9	2675.8	2553.8
-17.5°	3383.3	3329.3	3260.7	3188.6	3111.1	3023.8	2934.6	2842.5	2745.8	2633.6	2505.8
-20°	3329.8	3267.0	3203.8	3135.8	3054.7	2971.8	2884.2	2790.3	2692.2	2583.2	2456.5



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3258.7	3202.6	3139.2	3071.6	2993.5	2911.8	2831.0	2738.8	2638.5	2525.6	2408.0
-25°	3187.8	3128.3	3072.4	2999.5	2926.5	2849.7	2759.6	2675.5	2577.5	2460.1	2347.3
-27.5°	3108.7	3055.9	2989.7	2924.9	2854.4	2770.3	2689.4	2603.9	2501.8	2398.8	2267.8
-30°	3013.7	2960.0	2904.4	2843.8	2763.8	2683.7	2606.1	2520.7	2427.2	2320.6	2189.8
-32.5°	2910.6	2863.3	2811.6	2739.1	2661.7	2592.8	2516.8	2430.7	2343.6	2225.7	2109.4
-35°	2807.4	2760.9	2699.1	2631.6	2562.1	2494.5	2419.2	2340.4	2240.5	2134.2	2023.8
-37.5°	2694.4	2646.3	2589.1	2526.1	2462.3	2389.9	2319.8	2234.3	2141.9	2042.6	1943.2
-40°	2576.2	2527.6	2476.4	2421.2	2352.6	2283.6	2210.3	2131.5	2043.4	1950.0	1847.4
-42.5°	2459.0	2412.3	2359.2	2302.5	2241.6	2174.9	2104.3	2027.0	1941.0	1849.9	1728.1
-45°	2332.0	2284.4	2238.0	2184.0	2128.0	2063.7	1994.8	1913.4	1831.1	1726.8	1625.6
-47.5°	2204.3	2159.6	2114.9	2064.2	2008.8	1945.5	1870.0	1795.9	1705.9	1616.7	1514.2
-50°	2071.8	2030.8	1986.9	1937.3	1875.4	1809.7	1743.3	1670.8	1590.1	1498.8	1393.6
-52.5°	1930.4	1889.7	1838.3	1784.0	1730.8	1671.2	1609.6	1539.6	1461.8	1363.2	1273.9
-55°	1757.0	1715.5	1678.0	1633.6	1575.4	1499.9	1434.9	1374.4	1311.1	1228.6	1108.3
-57.5°	1532.4	1511.2	1463.2	1395.3	1341.1	1300.0	1261.6	1215.6	1121.0	1022.7	951.6
-60°	1294.8	1261.5	1222.0	1191.2	1168.9	1138.5	1073.6	1000.4	932.2	882.1	826.7
-62.5°	1124.7	1097.8	1062.9	1030.8	996.4	948.1	886.5	839.4	800.2	758.0	696.9
-65°	912.9	902.8	871.4	823.8	786.3	753.3	729.2	699.1	654.9	567.6	514.6
-67.5°	716.0	695.9	673.5	648.2	631.9	607.8	561.8	512.0	471.2	443.0	404.3
-70°	535.3	526.5	513.0	488.4	454.6	429.7	412.2	388.0	355.4	323.6	291.5
-72.5°	378.0	363.8	353.2	341.1	325.0	307.1	287.6	265.6	241.2	214.6	186.3
-75°	244.1	237.4	228.7	218.0	204.8	189.1	171.4	154.4	141.2	128.6	114.9
-77.5°	123.5	119.2	113.4	106.1	100.4	95.2	88.8	82.3	76.9	69.6	62.2
-80°	63.9	62.0	59.6	57.4	55.2	52.9	49.8	46.2	43.1	39.8	36.4
-82.5°	38.6	37.6	36.5	35.3	34.0	32.4	30.7	28.9	27.1	25.2	23.2
-85°	20.3	19.7	18.9	18.1	17.2	16.2	15.0	14.0	13.1	12.2	11.3
-87.5°	7.0	6.8	6.5	6.3	6.1	5.7	5.4	5.1	4.8	4.5	4.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
82.5°	2.1	2.1	2.0	1.6	1.0	0.9	0.9	0.8	0.8	0.7	0.7
80°	9.6	8.5	7.3	6.3	5.4	4.5	3.3	2.1	1.3	1.1	0.9
77.5°	19.8	16.8	14.7	12.3	10.4	9.0	7.6	6.0	4.4	2.6	1.5
75°	41.3	35.7	27.7	22.9	18.7	15.1	11.8	10.0	8.1	6.0	3.6
72.5°	84.1	73.3	61.5	48.9	35.6	25.3	19.6	15.1	11.8	9.3	6.7
70°	143.4	123.8	101.8	86.6	70.7	52.1	31.7	23.3	17.2	12.7	9.7
67.5°	249.3	206.2	171.9	140.2	106.9	85.4	62.5	38.7	24.9	17.7	12.7
65°	379.1	324.2	270.3	215.9	174.6	128.1	95.1	66.8	39.5	24.4	16.6
62.5°	532.8	455.7	385.2	319.8	254.5	195.7	140.9	97.8	64.8	33.9	21.6
60°	692.9	622.2	520.5	429.5	350.1	272.9	203.8	140.8	90.4	56.2	28.4
57.5°	859.7	762.2	682.5	565.0	450.9	358.9	274.3	196.9	129.0	78.2	41.0
55°	1037.0	916.7	811.7	714.2	570.6	449.9	350.5	259.2	176.4	106.4	60.2
52.5°	1196.1	1079.9	946.8	827.9	701.3	550.6	429.2	325.8	229.7	143.2	79.1
50°	1384.1	1222.7	1095.4	940.7	802.3	662.3	513.4	391.4	286.1	185.2	100.6
47.5°	1532.9	1390.9	1218.0	1063.8	903.5	756.6	599.1	462.3	342.1	230.9	131.2
45°	1645.7	1527.5	1355.9	1169.0	1005.4	845.1	693.1	531.7	396.7	277.3	162.6
42.5°	1740.2	1629.2	1480.2	1284.2	1104.7	931.3	766.9	598.1	454.5	320.8	194.5
40°	1835.8	1711.1	1574.6	1407.1	1194.7	1017.6	841.5	674.1	513.3	362.4	228.4
37.5°	1947.4	1785.1	1655.0	1494.4	1297.9	1094.8	913.0	735.9	558.5	402.4	262.2
35°	2028.5	1873.5	1718.9	1574.5	1390.5	1165.6	981.2	794.1	607.8	443.9	294.2
32.5°	2097.8	1952.0	1784.0	1640.0	1460.8	1254.1	1044.9	850.8	661.5	485.9	324.6
30°	2164.8	2011.4	1853.8	1691.7	1528.2	1325.4	1096.0	904.1	706.9	521.6	353.1
27.5°	2223.4	2075.9	1911.1	1744.0	1584.7	1384.0	1150.0	953.8	747.1	551.6	380.0
25°	2271.4	2135.5	1957.2	1794.2	1631.1	1436.6	1212.9	999.5	786.5	580.2	404.9
22.5°	2312.3	2182.1	2002.7	1837.0	1668.5	1487.0	1264.9	1041.4	823.5	612.8	428.9
20°	2353.9	2216.2	2058.1	1873.7	1704.7	1531.2	1310.6	1073.1	856.8	641.4	452.1
17.5°	2396.4	2248.7	2100.4	1906.1	1737.6	1564.0	1350.1	1100.6	886.4	665.9	472.4
15°	2426.4	2275.8	2136.3	1934.2	1764.6	1592.4	1379.7	1126.3	912.0	686.0	489.9
12.5°	2452.3	2297.1	2158.5	1958.6	1786.4	1613.0	1404.5	1150.8	933.7	702.8	503.6
10°	2471.6	2318.6	2178.6	1981.3	1803.4	1627.8	1424.3	1168.9	951.2	716.2	513.3
7.5°	2485.6	2334.9	2194.0	1995.9	1815.0	1638.5	1438.5	1180.9	964.5	726.3	520.7
5°	2494.4	2343.9	2203.0	2003.1	1821.8	1645.0	1447.4	1187.3	973.5	732.9	525.7
2.5°	2497.0	2346.2	2207.1	2003.6	1823.8	1647.3	1451.2	1188.6	978.3	736.1	528.3
0°	2494.0	2342.5	2206.4	1998.0	1821.0	1645.3	1449.9	1185.3	978.8	735.7	528.5
-2.5°	2494.6	2344.6	2204.4	1999.1	1821.8	1645.1	1450.4	1188.8	979.4	736.5	529.6
-5°	2489.2	2340.7	2197.7	1994.7	1817.6	1640.6	1446.2	1187.6	975.8	733.9	528.2
-7.5°	2477.2	2330.4	2186.3	1984.7	1808.4	1631.8	1437.4	1181.4	968.2	727.9	524.3
-10°	2461.3	2312.8	2166.7	1968.9	1794.1	1618.7	1424.1	1169.6	956.7	718.5	517.6
-12.5°	2441.4	2289.0	2138.4	1947.3	1774.0	1601.4	1405.5	1151.9	941.2	705.9	508.3
-15°	2415.2	2260.8	2104.6	1922.0	1748.4	1578.6	1382.2	1127.8	920.5	690.2	495.8
-17.5°	2382.2	2227.2	2064.8	1892.8	1718.4	1549.5	1354.9	1103.0	895.4	671.4	480.6
-20°	2326.8	2188.4	2021.6	1857.1	1684.9	1516.6	1315.3	1076.9	866.2	650.0	463.1



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2266.4	2130.8	1969.5	1815.3	1647.4	1479.0	1267.6	1047.1	832.1	625.8	443.4
-25°	2205.8	2066.6	1917.3	1758.3	1606.0	1437.6	1214.7	1010.6	793.4	598.6	421.9
-27.5°	2141.7	2000.4	1858.5	1698.9	1551.7	1390.3	1152.8	971.6	753.3	569.0	398.6
-30°	2065.5	1935.1	1786.2	1638.1	1492.1	1325.5	1101.3	921.2	715.6	535.8	373.0
-32.5°	1989.2	1863.8	1707.9	1571.6	1427.7	1249.7	1053.7	865.8	675.3	501.3	345.6
-35°	1915.0	1770.7	1634.9	1499.5	1359.6	1163.9	997.9	804.2	632.4	466.9	316.2
-37.5°	1819.2	1678.3	1552.1	1422.6	1276.5	1097.4	929.7	747.1	584.6	430.5	288.0
-40°	1707.5	1589.2	1466.7	1345.2	1185.3	1026.1	856.0	691.9	531.0	391.7	262.8
-42.5°	1614.9	1491.9	1379.4	1254.9	1104.1	943.5	781.7	631.2	483.3	350.9	236.5
-45°	1511.3	1396.0	1290.8	1160.3	1010.2	859.7	713.4	562.3	433.4	308.0	209.1
-47.5°	1404.6	1303.7	1197.1	1063.4	912.9	777.7	636.4	496.4	381.2	275.2	181.0
-50°	1298.5	1194.1	1090.8	943.9	823.9	692.8	551.4	435.7	328.2	239.4	151.9
-52.5°	1166.3	1064.3	947.5	848.2	730.9	595.9	475.0	374.9	281.7	201.8	126.6
-55°	1015.3	923.2	841.6	747.7	620.1	499.8	405.1	314.8	237.1	164.5	101.9
-57.5°	881.8	813.0	728.3	618.7	507.8	419.1	338.3	262.0	191.6	130.6	79.5
-60°	765.0	680.9	581.0	494.9	417.3	346.0	275.3	207.7	149.7	99.9	59.9
-62.5°	598.9	526.7	462.1	398.4	339.5	275.6	212.5	160.3	113.0	73.2	43.2
-65°	467.8	417.4	363.0	314.8	261.3	203.8	159.7	117.8	81.8	52.8	36.2
-67.5°	357.1	317.0	273.9	228.1	183.3	149.7	113.1	82.7	56.9	39.3	29.1
-70°	257.1	220.6	182.1	157.1	129.9	100.8	76.6	55.6	40.2	30.5	22.1
-72.5°	162.7	144.0	122.8	100.5	83.6	66.5	49.0	37.9	29.8	22.8	15.2
-75°	98.9	86.1	73.1	62.3	50.6	41.2	32.6	27.3	21.5	15.2	10.8
-77.5°	55.6	48.1	42.9	36.5	31.7	27.8	23.4	18.6	14.0	10.4	7.6
-80°	33.6	30.8	27.8	24.8	21.7	18.4	14.8	11.4	8.9	7.0	5.1
-82.5°	21.0	18.8	16.5	14.2	11.7	10.1	8.5	6.9	5.6	4.4	3.4
-85°	10.2	9.1	8.0	7.1	6.3	5.5	4.6	3.8	3.1	2.6	2.1
-87.5°	3.9	3.6	3.2	2.9	2.6	2.2	1.9	1.7	1.4	1.2	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.2	0.2	0.1	0.1	0.0
85°	0.5	0.5	0.4	0.3	0.2	0.1	0.0
82.5°	0.6	0.6	0.6	0.5	0.3	0.2	0.0
80°	0.8	0.7	0.7	0.6	0.4	0.2	0.0
77.5°	1.2	1.0	0.8	0.7	0.5	0.3	0.0
75°	1.7	1.3	1.0	0.8	0.6	0.3	0.0
72.5°	3.9	1.9	1.3	0.9	0.7	0.4	0.0
70°	6.5	3.2	1.7	1.1	0.8	0.4	0.0
67.5°	9.1	5.4	2.2	1.3	0.8	0.5	0.0
65°	11.7	7.5	3.3	1.6	0.9	0.5	0.0
62.5°	14.3	9.6	5.0	2.0	1.1	0.6	0.0
60°	18.1	11.7	6.6	2.4	1.2	0.6	0.0
57.5°	22.3	13.9	8.2	2.8	1.3	0.7	0.0
55°	29.5	16.5	9.7	4.0	1.4	0.7	0.0
52.5°	38.0	19.7	11.3	5.1	1.6	0.7	0.0
50°	53.4	22.8	13.0	6.2	1.8	0.8	0.0
47.5°	68.3	29.8	14.7	7.2	2.1	0.8	0.0
45°	82.7	36.8	16.5	8.2	2.3	0.8	0.0
42.5°	96.5	46.0	18.7	9.2	2.6	0.9	0.0
40°	119.2	56.8	20.9	10.2	2.8	0.9	0.0
37.5°	140.6	67.2	22.9	11.0	3.0	1.0	0.0
35°	162.7	77.0	27.3	12.0	3.5	1.0	0.0
32.5°	184.5	86.3	32.6	13.0	4.0	1.0	0.0
30°	204.9	95.0	37.8	14.0	4.5	1.1	0.0
27.5°	226.0	104.5	42.8	14.9	4.9	1.1	0.0
25°	245.4	117.0	48.0	15.8	5.4	1.2	0.0
22.5°	262.9	128.3	53.4	16.5	5.7	1.2	0.0
20°	278.8	138.5	58.4	17.3	6.1	1.2	0.0
17.5°	293.6	147.5	62.9	18.1	6.4	1.2	0.0
15°	306.4	155.9	66.9	18.9	6.7	1.3	0.0
12.5°	317.2	163.8	70.3	19.5	6.9	1.3	0.0
10°	326.0	170.3	73.2	20.0	7.1	1.3	0.0
7.5°	332.7	175.4	75.6	20.4	7.3	1.3	0.0
5°	337.4	179.2	77.5	20.7	7.4	1.3	0.0
2.5°	340.1	181.5	78.8	20.9	7.5	1.3	0.0
0°	340.7	182.5	79.6	21.0	7.5	1.3	0.0
-2.5°	341.6	183.5	80.1	21.4	7.6	1.4	0.0
-5°	340.4	183.2	80.0	21.6	7.6	1.4	0.0
-7.5°	337.1	181.5	79.4	21.7	7.6	1.4	0.0
-10°	331.8	178.4	78.2	21.7	7.5	1.4	0.0
-12.5°	324.4	174.0	76.4	21.6	7.4	1.4	0.0
-15°	315.0	168.3	74.1	21.3	7.2	1.4	0.0
-17.5°	303.5	162.0	71.1	21.0	7.1	1.4	0.0
-20°	289.9	155.0	67.5	20.5	6.8	1.4	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P622925 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-65W-7040

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	276.6	146.7	63.3	20.0	6.6	1.3	0.0
-25°	262.8	137.3	58.5	19.4	6.3	1.3	0.0
-27.5°	247.6	126.6	53.5	18.7	5.9	1.3	0.0
-30°	231.1	117.8	48.3	17.8	5.6	1.3	0.0
-32.5°	213.8	109.1	42.6	16.9	5.1	1.2	0.0
-35°	195.1	99.4	36.5	15.8	4.7	1.2	0.0
-37.5°	175.9	89.2	31.5	14.7	4.3	1.2	0.0
-40°	156.2	78.7	29.6	13.7	4.1	1.1	0.0
-42.5°	135.2	67.5	27.5	12.5	3.8	1.1	0.0
-45°	119.0	56.8	25.3	11.2	3.5	1.1	0.0
-47.5°	101.5	46.8	23.0	9.8	3.2	1.0	0.0
-50°	84.9	36.5	20.6	8.7	2.9	1.0	0.0
-52.5°	67.7	33.0	18.1	7.7	2.6	0.9	0.0
-55°	53.8	29.3	15.6	6.6	2.4	0.9	0.0
-57.5°	40.2	25.5	13.1	5.5	2.2	0.8	0.0
-60°	35.2	21.6	10.4	4.8	2.0	0.8	0.0
-62.5°	29.9	17.6	8.8	4.2	1.8	0.7	0.0
-65°	24.5	13.6	7.2	3.5	1.6	0.7	0.0
-67.5°	18.9	10.4	5.8	2.9	1.4	0.6	0.0
-70°	13.2	8.2	4.7	2.5	1.3	0.5	0.0
-72.5°	10.0	6.3	3.7	2.1	1.1	0.5	0.0
-75°	7.4	4.8	3.0	1.7	1.0	0.4	0.0
-77.5°	5.4	3.6	2.3	1.4	0.8	0.3	0.0
-80°	3.8	2.6	1.8	1.2	0.7	0.3	0.0
-82.5°	2.5	1.9	1.3	0.9	0.5	0.2	0.0
-85°	1.7	1.3	0.9	0.6	0.3	0.1	0.0
-87.5°	0.8	0.6	0.4	0.3	0.2	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)