

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: P622924 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF65-XX-PC-65W-7030**

Issue Date: 10/4/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622924 (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-7030  
Description: Flood light with selectable wattage and CCT  
Light Source: (1) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

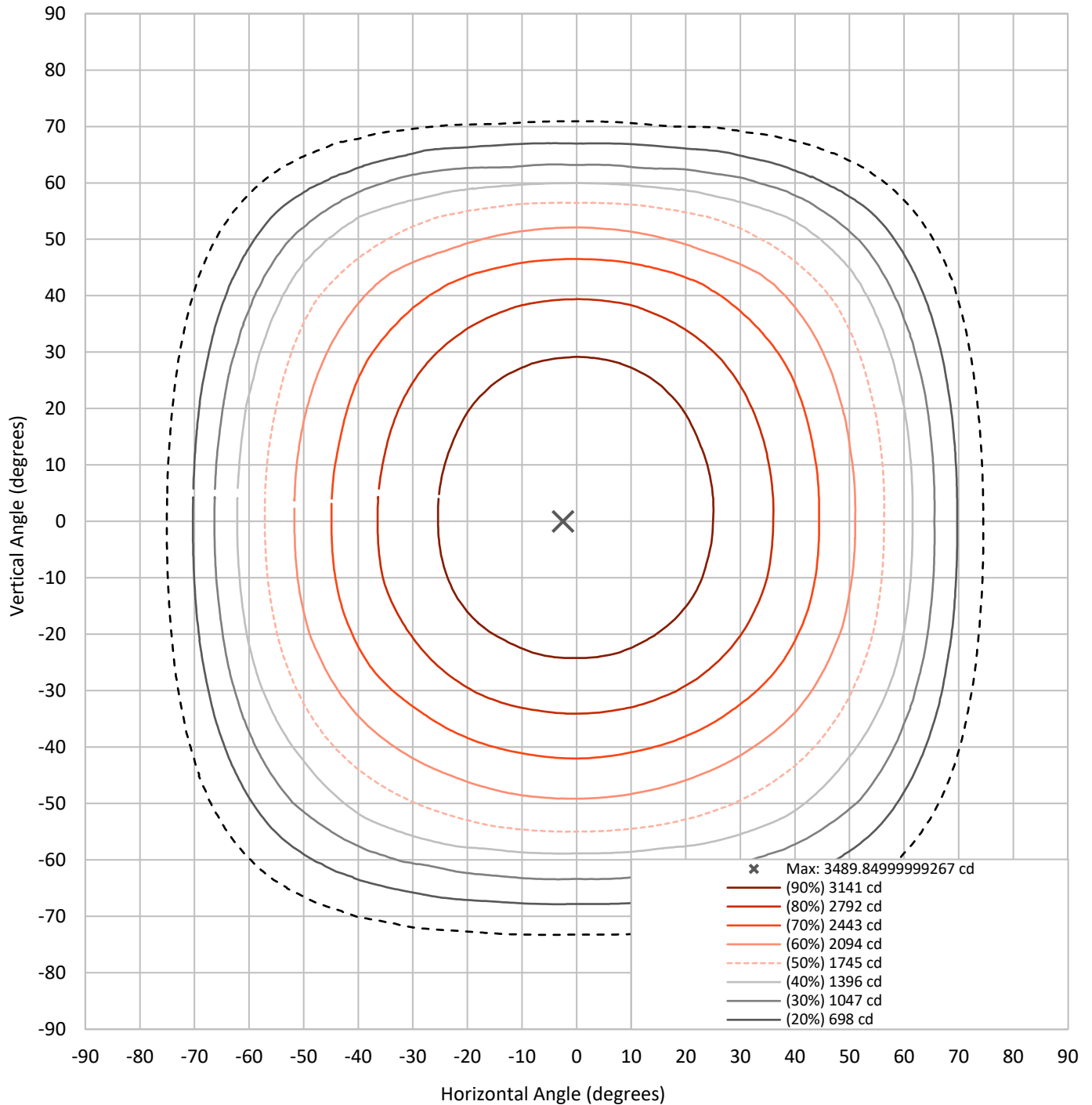
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	9450.4 lumens	Max Intensity:	3489.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	149.8 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%):	149.4°H x 144.2°V
Beam Lumens:	7581.7 lumens	Field Lumens:	9310.5 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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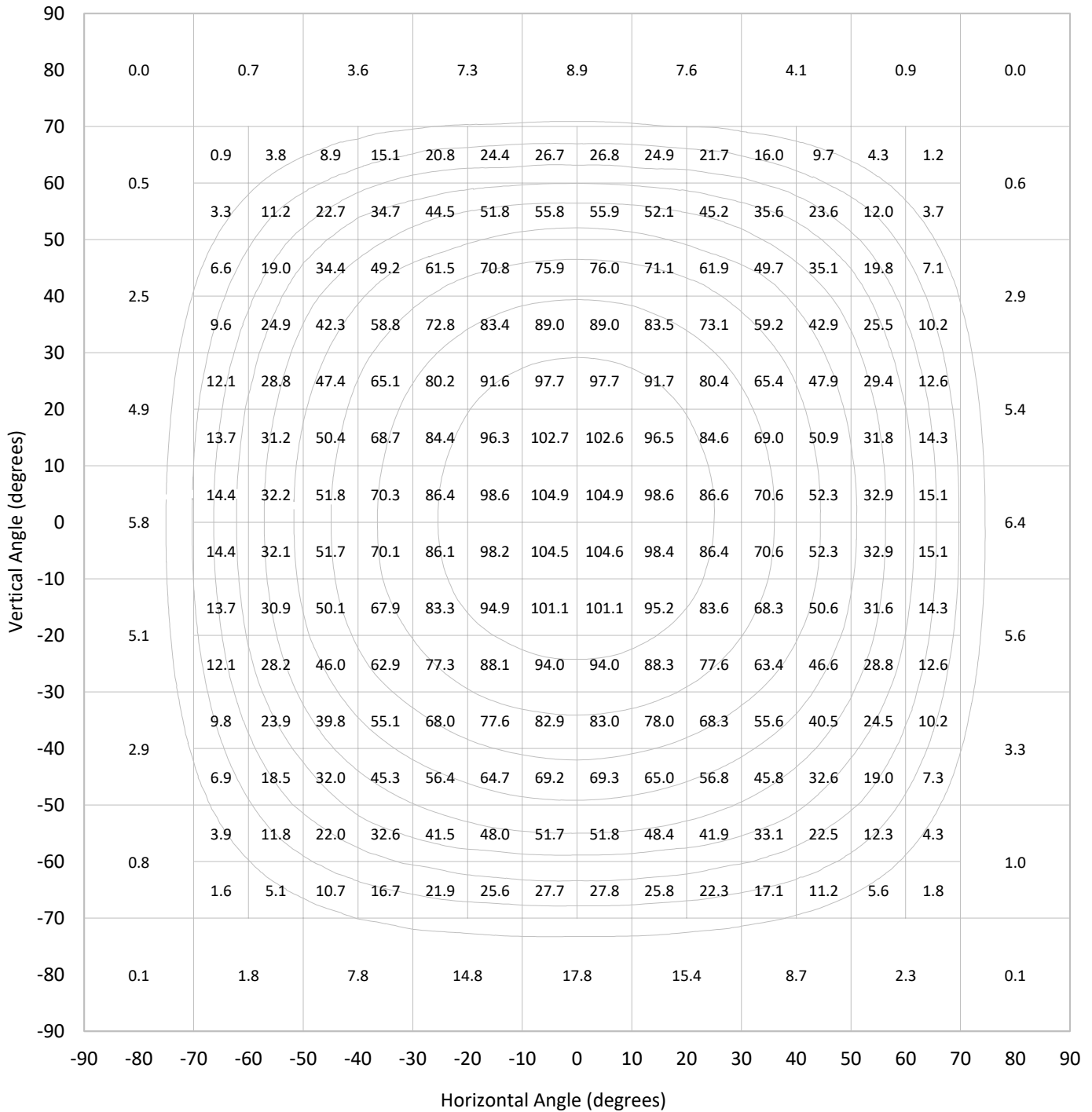
### Iso-Candela Plot





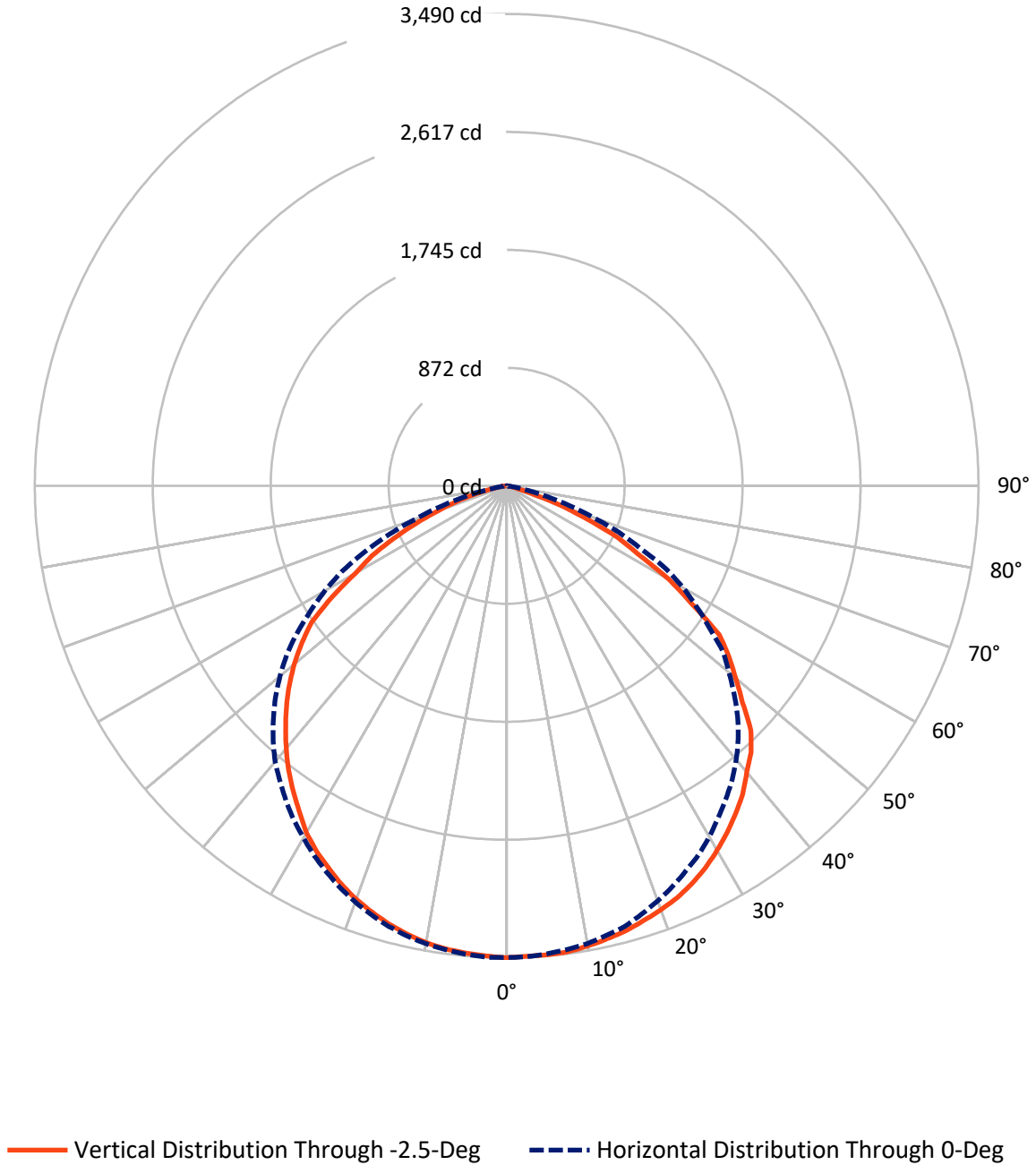
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### Lumen Table



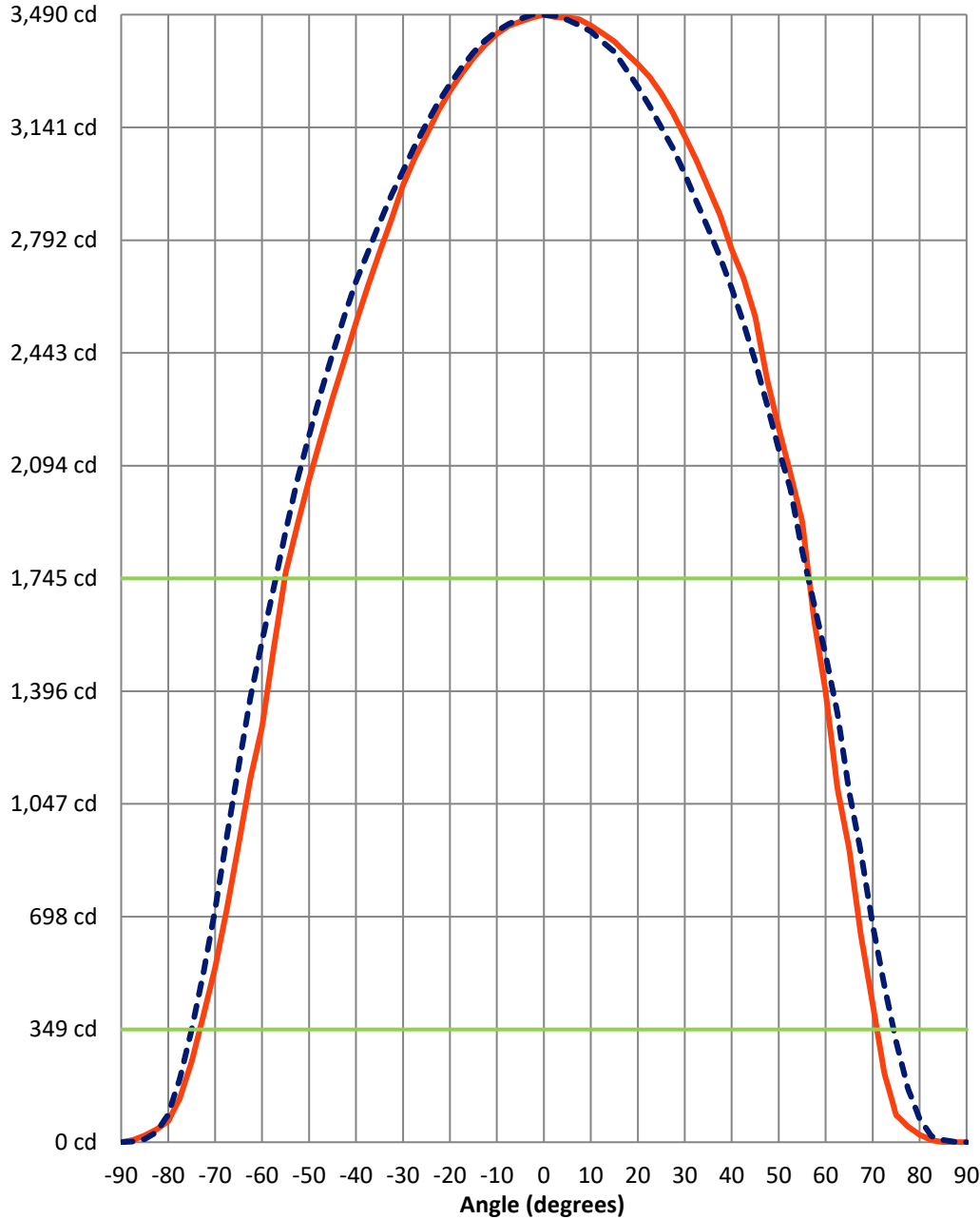
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 113.4°  
 V Angle: 111.6°  
 Lumens: 7581.7  
 Efficiency: 80.2%

**Field:**  
 H Angle: 149.4°  
 V Angle: 144.2°  
 Lumens: 9310.5  
 Efficiency: 98.5%

**Spill:**  
 Lumens: 140  
 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	0.4	0.4
85°	0.0	0.2	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.3	0.6	0.8	0.8	0.8	0.7	0.8	0.8	0.8	1.0
80°	0.0	0.4	0.8	0.9	0.9	0.9	0.9	1.0	1.9	2.5	3.1
77.5°	0.0	0.5	0.9	1.0	1.1	1.2	1.8	3.2	4.3	5.7	7.2
75°	0.0	0.6	1.0	1.1	1.4	2.1	3.9	5.6	7.3	9.2	11.6
72.5°	0.0	0.8	1.1	1.4	1.7	3.8	6.0	8.1	10.2	14.0	17.9
70°	0.0	0.9	1.2	1.6	2.9	5.5	8.1	10.5	15.3	20.6	29.2
67.5°	0.0	1.0	1.3	1.9	4.2	7.3	10.4	15.2	21.4	33.5	50.6
65°	0.0	1.0	1.4	2.5	5.6	9.3	13.7	20.5	33.0	54.7	77.9
62.5°	0.0	1.1	1.6	3.3	7.0	11.6	18.2	26.2	52.7	79.3	109.2
60°	0.0	1.1	1.8	4.2	8.5	14.6	23.0	44.4	74.4	104.3	154.5
57.5°	0.0	1.2	2.0	5.1	10.5	18.2	27.8	63.0	95.9	143.0	210.1
55°	0.0	1.2	2.1	6.1	12.6	22.0	42.5	80.8	122.9	191.4	264.7
52.5°	0.0	1.3	2.4	7.2	14.8	25.8	56.9	98.6	157.5	240.7	331.8
50°	0.0	1.3	2.9	8.2	17.6	29.5	71.4	119.1	201.2	291.4	392.7
47.5°	0.0	1.3	3.4	9.3	20.4	40.3	85.6	147.1	244.0	344.9	456.0
45°	0.0	1.4	3.8	10.9	23.1	50.5	100.4	177.7	283.7	395.8	527.2
42.5°	0.0	1.4	4.3	12.5	25.8	60.8	115.0	210.6	324.1	447.9	598.3
40°	0.0	1.5	4.7	14.0	28.3	71.1	136.0	241.7	363.4	500.6	647.1
37.5°	0.0	1.5	5.1	15.5	30.8	81.0	156.0	271.2	401.8	558.0	707.6
35°	0.0	1.6	5.6	17.1	36.0	91.3	177.8	300.4	439.3	604.3	767.4
32.5°	0.0	1.6	6.1	18.7	42.1	101.8	200.0	329.1	474.9	639.6	823.6
30°	0.0	1.7	6.6	20.3	47.7	111.7	220.5	356.2	512.0	681.6	876.0
27.5°	0.0	1.8	7.0	21.7	52.9	122.0	239.5	382.4	550.4	723.6	924.6
25°	0.0	1.8	7.5	23.1	57.9	133.8	256.8	406.5	584.1	762.9	959.1
22.5°	0.0	1.9	7.9	24.3	63.0	144.6	272.4	428.3	607.9	799.1	991.3
20°	0.0	1.9	8.2	25.5	67.6	154.4	287.0	447.1	629.6	831.7	1027.0
17.5°	0.0	2.0	8.5	26.5	71.8	163.1	301.3	463.4	649.8	860.9	1057.6
15°	0.0	2.0	8.8	27.5	75.4	171.4	313.7	477.1	670.1	886.2	1084.7
12.5°	0.0	2.0	9.1	28.3	78.5	179.2	324.2	490.2	686.9	907.7	1110.9
10°	0.0	2.1	9.3	29.0	81.0	185.6	332.9	502.9	700.2	922.7	1131.9
7.5°	0.0	2.1	9.4	29.6	83.0	190.6	339.6	512.6	710.1	933.5	1147.5
5°	0.0	2.1	9.6	30.1	84.5	194.3	344.4	519.2	716.6	941.0	1157.7
2.5°	0.0	2.1	9.7	30.5	85.4	196.6	347.2	522.8	719.9	945.2	1162.6
0°	0.0	2.1	9.7	30.7	85.8	197.5	348.1	523.3	720.0	945.9	1162.2
-2.5°	0.0	2.2	9.8	31.0	86.5	198.3	348.1	523.6	720.5	945.2	1162.5
-5°	0.0	2.2	9.9	31.1	86.5	197.7	346.2	520.9	717.9	941.0	1157.5
-7.5°	0.0	2.2	9.9	31.1	86.1	195.7	342.4	515.3	712.1	933.2	1147.3
-10°	0.0	2.2	9.9	31.0	85.0	192.5	336.8	506.9	703.0	921.9	1131.9
-12.5°	0.0	2.2	9.9	30.7	83.4	188.0	329.4	495.8	690.5	906.3	1111.4
-15°	0.0	2.2	9.8	30.3	81.2	182.1	320.4	484.2	674.8	885.2	1085.7
-17.5°	0.0	2.2	9.6	29.7	78.4	175.6	309.7	471.8	655.6	860.5	1059.3
-20°	0.0	2.1	9.4	28.9	75.0	168.4	297.5	456.9	635.5	832.3	1029.5



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.1	9.1	28.0	71.0	160.0	285.1	439.5	613.2	801.5	994.6
-25°	0.0	2.1	8.8	27.1	66.5	150.4	271.9	418.6	588.6	767.9	959.6
-27.5°	0.0	2.0	8.4	26.1	62.2	139.6	257.3	394.5	558.3	731.4	921.3
-30°	0.0	2.0	8.0	24.9	57.7	129.8	241.3	368.1	525.1	691.5	875.0
-32.5°	0.0	1.9	7.5	23.6	52.6	119.9	224.1	343.8	491.9	650.4	825.8
-35°	0.0	1.9	6.9	22.3	47.1	109.2	205.5	319.5	458.3	612.4	775.3
-37.5°	0.0	1.8	6.4	20.8	42.2	98.5	186.3	295.0	421.3	569.6	719.5
-40°	0.0	1.8	6.0	19.2	39.2	88.8	166.7	270.3	381.2	522.3	662.1
-42.5°	0.0	1.7	5.7	17.5	36.0	78.4	145.7	244.4	346.2	472.7	611.2
-45°	0.0	1.7	5.2	15.8	32.4	68.2	129.3	217.3	313.6	421.0	549.1
-47.5°	0.0	1.6	4.8	13.9	29.7	58.3	112.0	189.3	281.0	368.6	484.7
-50°	0.0	1.6	4.3	12.4	27.0	47.8	96.8	160.4	246.0	328.2	423.0
-52.5°	0.0	1.5	3.9	11.0	24.3	42.1	81.2	136.4	209.8	287.2	363.9
-55°	0.0	1.5	3.6	9.4	21.4	36.0	66.8	114.1	172.5	245.1	316.9
-57.5°	0.0	1.4	3.3	7.8	18.4	31.5	51.9	94.2	140.0	201.8	268.9
-60°	0.0	1.4	3.0	6.9	15.4	27.6	43.3	74.4	112.3	157.6	219.7
-62.5°	0.0	1.3	2.7	6.0	12.8	23.6	35.2	55.1	88.1	123.8	169.5
-65°	0.0	1.2	2.4	5.0	10.1	19.5	30.2	43.3	65.8	95.5	128.0
-67.5°	0.0	1.2	2.2	4.2	8.0	15.5	25.1	34.5	48.5	70.0	95.8
-70°	0.0	1.0	2.0	3.7	6.6	11.6	19.8	28.0	36.4	49.8	68.2
-72.5°	0.0	0.9	1.8	3.1	5.2	8.7	14.6	21.8	28.3	36.1	47.0
-75°	0.0	0.8	1.6	2.5	4.3	6.7	10.0	15.5	21.4	26.9	33.0
-77.5°	0.0	0.7	1.4	2.2	3.3	5.1	7.4	10.4	14.5	19.4	23.9
-80°	0.0	0.5	1.2	1.8	2.6	3.7	5.3	7.0	9.6	12.4	16.0
-82.5°	0.0	0.4	0.9	1.4	2.0	2.7	3.6	4.7	6.1	7.5	9.5
-85°	0.0	0.3	0.6	0.9	1.4	1.8	2.4	3.0	3.6	4.4	5.3
-87.5°	0.0	0.1	0.3	0.5	0.7	0.9	1.2	1.5	1.8	2.1	2.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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CATALOG NUMBER: LSF65-XX-PC-65W-7030

**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°	0.4	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°	1.2	1.1	1.2	2.0	2.5	2.7	2.8	3.1	3.8	4.4	5.0
80°	4.2	5.4	6.3	7.2	8.0	8.8	9.6	10.4	12.1	13.5	14.5
77.5°	8.8	10.5	11.9	13.6	16.2	18.6	21.7	24.4	27.1	29.8	32.2
75°	14.0	17.3	20.9	25.8	30.8	38.1	43.3	53.0	62.1	68.5	71.8
72.5°	22.5	29.7	39.2	51.5	64.4	78.1	92.3	104.3	112.1	121.9	128.5
70°	40.5	57.0	73.2	92.2	112.9	135.2	156.8	181.1	203.4	226.7	260.2
67.5°	70.4	90.0	118.0	151.7	182.7	218.0	255.8	302.4	337.9	362.4	415.9
65°	104.1	140.8	184.9	223.1	281.5	334.3	379.0	436.1	506.9	545.5	580.5
62.5°	154.1	205.3	262.9	331.5	389.8	454.6	541.8	599.0	638.8	702.3	769.3
60°	214.3	281.3	359.5	430.7	525.9	609.9	673.7	746.5	826.2	906.6	984.2
57.5°	281.1	366.1	450.2	570.2	660.7	741.1	830.7	920.6	1012.6	1118.7	1217.3
55°	357.0	447.9	575.3	691.2	789.8	888.7	986.0	1088.3	1227.0	1337.8	1393.2
52.5°	427.9	552.9	676.4	805.9	922.1	1025.4	1144.2	1287.3	1390.7	1469.5	1536.3
50°	509.0	643.5	779.5	917.1	1041.7	1169.5	1319.8	1424.0	1508.4	1587.5	1660.9
47.5°	598.6	732.0	879.1	1016.1	1161.2	1325.9	1437.5	1529.1	1613.8	1701.7	1784.3
45°	664.3	820.3	970.4	1112.2	1297.3	1433.6	1532.9	1623.3	1729.1	1823.1	1924.6
42.5°	741.6	904.8	1051.5	1238.0	1393.1	1519.0	1617.1	1738.2	1841.4	1945.1	2049.2
40°	815.4	976.2	1145.2	1330.3	1473.3	1590.2	1725.8	1841.6	1943.0	2049.0	2141.2
37.5°	885.2	1044.0	1242.4	1400.8	1540.6	1672.2	1818.4	1926.1	2031.5	2131.5	2219.9
35°	946.3	1121.0	1311.6	1474.6	1603.1	1753.6	1884.8	1997.2	2107.6	2205.0	2302.0
32.5°	992.2	1202.5	1368.7	1528.8	1672.0	1814.7	1946.8	2066.9	2173.8	2283.1	2371.4
30°	1051.2	1255.7	1433.0	1582.1	1729.9	1875.6	2009.2	2125.8	2242.7	2346.5	2438.5
27.5°	1109.5	1300.8	1483.6	1632.5	1776.0	1933.2	2064.2	2182.1	2300.1	2400.4	2498.4
25°	1166.7	1346.2	1524.5	1674.0	1825.6	1984.2	2111.6	2232.5	2342.6	2450.0	2549.1
22.5°	1211.7	1396.9	1565.6	1705.9	1877.4	2027.4	2155.3	2273.0	2384.7	2493.1	2587.6
20°	1247.0	1441.9	1599.7	1741.9	1924.0	2064.6	2191.0	2307.8	2420.0	2527.9	2626.2
17.5°	1278.5	1470.3	1628.5	1777.0	1958.6	2096.8	2217.0	2338.1	2452.2	2559.6	2660.3
15°	1304.1	1495.1	1653.1	1812.7	1988.5	2123.9	2243.1	2363.1	2477.6	2588.1	2688.8
12.5°	1325.5	1515.5	1674.0	1840.5	2010.9	2145.2	2267.5	2387.8	2500.8	2612.5	2708.5
10°	1343.4	1531.3	1691.6	1862.1	2028.6	2161.1	2288.6	2408.7	2523.6	2634.5	2726.7
7.5°	1359.1	1542.7	1704.6	1877.8	2041.1	2173.7	2304.1	2424.9	2540.4	2649.7	2741.0
5°	1369.5	1549.6	1713.2	1887.6	2048.3	2182.7	2313.9	2435.3	2551.1	2659.7	2750.0
2.5°	1374.8	1552.4	1717.5	1891.4	2050.9	2187.3	2319.0	2440.0	2556.3	2664.5	2754.1
0°	1375.1	1551.1	1717.6	1889.2	2049.1	2186.9	2319.0	2439.6	2556.1	2664.1	2753.2
-2.5°	1373.8	1550.1	1716.4	1887.7	2048.0	2186.2	2318.0	2439.0	2555.7	2663.7	2753.8
-5°	1367.7	1545.2	1711.0	1880.5	2042.7	2180.2	2311.7	2433.3	2550.0	2658.0	2749.6
-7.5°	1357.0	1536.1	1701.2	1867.7	2033.1	2169.7	2300.6	2422.1	2538.8	2647.1	2740.9
-10°	1341.8	1523.0	1686.9	1849.6	2018.4	2155.2	2284.0	2405.3	2522.2	2630.9	2727.7
-12.5°	1323.9	1505.6	1666.9	1826.3	1998.0	2135.9	2262.0	2383.4	2499.9	2608.8	2705.8
-15°	1302.5	1483.7	1642.8	1799.6	1972.8	2107.2	2236.4	2357.4	2469.5	2574.4	2668.5
-17.5°	1277.1	1457.1	1614.6	1767.5	1935.8	2073.5	2206.5	2322.3	2430.1	2532.1	2626.5
-20°	1245.8	1427.0	1581.7	1732.9	1894.0	2037.1	2165.9	2278.8	2386.0	2487.5	2579.7

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Scaled Data Report



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CATALOG NUMBER: LSF65-XX-PC-65W-7030

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1210.6	1386.7	1544.8	1695.0	1844.1	1989.1	2112.0	2228.3	2339.6	2438.8	2525.2
-25°	1166.4	1342.5	1503.4	1647.7	1790.1	1933.4	2050.0	2174.8	2284.6	2382.7	2472.0
-27.5°	1111.2	1298.1	1453.5	1592.8	1733.9	1872.0	1992.7	2108.0	2219.1	2323.7	2409.6
-30°	1054.7	1246.5	1397.3	1531.5	1674.1	1808.6	1928.7	2031.8	2148.9	2250.2	2335.3
-32.5°	995.6	1189.9	1333.4	1468.7	1603.6	1739.3	1860.0	1961.7	2062.1	2168.8	2254.4
-35°	942.4	1113.3	1271.2	1404.5	1524.2	1663.6	1788.1	1889.1	1979.9	2076.1	2166.2
-37.5°	881.2	1040.3	1205.0	1330.8	1448.8	1572.8	1705.6	1814.3	1900.6	1984.5	2070.7
-40°	816.3	970.3	1122.9	1258.8	1372.7	1479.0	1606.7	1723.8	1817.6	1897.3	1973.4
-42.5°	751.7	896.2	1041.2	1181.7	1292.1	1393.6	1500.1	1622.1	1721.1	1805.9	1878.9
-45°	682.2	818.2	958.9	1088.8	1209.7	1309.3	1409.6	1510.5	1616.7	1701.2	1778.4
-47.5°	617.9	743.7	868.1	1002.9	1116.1	1220.7	1317.5	1411.5	1503.7	1594.8	1666.7
-50°	537.8	665.8	783.6	901.5	1023.5	1114.1	1215.1	1309.0	1396.6	1480.3	1558.8
-52.5°	461.7	582.0	698.7	803.9	905.8	998.4	1088.9	1191.7	1279.3	1363.6	1433.6
-55°	392.6	484.8	608.3	713.6	795.3	877.7	954.6	1035.9	1150.1	1224.7	1289.7
-57.5°	334.7	406.2	490.9	608.3	694.5	765.2	832.1	896.9	958.2	1050.6	1135.3
-60°	280.9	340.4	404.3	477.2	568.7	653.3	719.6	774.9	827.9	873.7	935.9
-62.5°	225.7	281.1	334.5	387.1	445.0	510.1	585.2	660.3	707.2	747.3	787.9
-65°	169.6	219.9	269.3	310.7	357.2	403.4	448.9	499.3	554.6	620.7	655.3
-67.5°	123.4	157.9	201.5	239.7	274.4	309.8	357.1	391.6	423.1	450.9	497.2
-70°	89.8	111.7	138.8	168.8	200.7	229.7	255.5	278.3	321.3	355.6	374.0
-72.5°	61.0	79.0	95.4	110.4	131.7	154.1	178.1	199.4	218.5	238.2	258.8
-75°	40.8	51.9	62.2	73.9	85.0	96.2	107.3	123.6	137.6	150.9	162.3
-77.5°	28.0	33.1	39.1	45.0	51.8	57.8	65.8	73.0	79.3	85.3	91.0
-80°	19.7	23.1	25.8	28.4	31.2	34.8	37.7	40.3	44.4	47.8	50.4
-82.5°	11.9	14.5	16.6	18.6	20.5	22.3	24.0	25.7	27.1	28.5	29.7
-85°	6.4	7.5	8.3	9.2	10.1	11.3	12.6	13.7	14.7	15.6	16.4
-87.5°	2.9	3.3	3.7	4.0	4.3	4.6	5.0	5.3	5.4	5.6	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):**

	-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	0.4	0.4	0.4	0.3	0.3	0.3	0.3
82.5°	5.6	6.2	6.7	6.8	6.9	6.9	6.9	6.8	6.7	6.8	6.9
80°	15.7	17.0	18.0	19.0	19.9	20.8	21.5	22.0	22.3	22.8	23.1
77.5°	35.9	38.7	39.4	40.7	42.4	43.9	45.1	46.0	46.7	47.7	48.4
75°	72.8	71.5	68.1	69.2	74.5	81.0	89.7	99.2	105.7	105.5	102.4
72.5°	134.9	144.5	155.6	176.8	194.2	201.0	199.0	192.5	182.2	186.6	199.6
70°	282.7	296.3	316.4	338.5	357.3	367.4	374.1	378.6	384.6	394.6	407.1
67.5°	452.1	474.4	503.5	538.9	550.0	550.9	558.6	588.3	608.7	627.6	638.8
65°	620.1	646.9	705.4	777.0	803.3	825.0	842.0	854.0	861.2	871.4	887.0
62.5°	843.3	900.8	952.1	995.9	1027.8	1049.4	1057.8	1056.4	1050.2	1050.3	1068.1
60°	1058.0	1128.2	1174.8	1200.5	1209.7	1235.7	1284.5	1323.0	1343.2	1350.9	1366.4
57.5°	1282.1	1312.4	1330.6	1377.8	1452.8	1510.6	1531.1	1532.0	1544.8	1574.3	1604.2
55°	1427.4	1491.6	1573.6	1643.6	1695.0	1720.6	1757.2	1800.1	1835.1	1867.5	1884.9
52.5°	1604.6	1672.6	1733.6	1788.5	1834.4	1877.4	1916.5	1953.4	1987.5	2015.7	2036.9
50°	1733.0	1806.4	1874.5	1929.1	1965.6	2005.9	2051.6	2091.7	2125.7	2151.0	2171.9
47.5°	1874.7	1960.1	2016.4	2060.4	2099.9	2147.8	2204.8	2249.7	2277.8	2296.9	2318.1
45°	2029.5	2089.5	2138.7	2189.8	2257.6	2328.3	2371.2	2403.9	2438.6	2475.6	2508.8
42.5°	2136.8	2196.9	2255.7	2328.9	2396.2	2448.0	2491.2	2533.4	2571.3	2604.5	2633.4
40°	2220.2	2292.1	2367.2	2434.2	2488.8	2539.3	2580.8	2630.1	2671.2	2700.5	2723.5
37.5°	2305.2	2385.3	2455.7	2513.8	2568.0	2627.3	2684.8	2724.9	2762.9	2796.1	2825.2
35°	2385.8	2462.7	2525.7	2591.1	2657.9	2712.9	2768.1	2810.5	2849.3	2883.7	2907.8
32.5°	2457.7	2530.1	2600.0	2666.9	2734.0	2791.2	2843.7	2888.4	2926.9	2960.2	2989.1
30°	2521.3	2595.8	2667.1	2739.7	2804.1	2867.4	2915.0	2964.5	3007.3	3039.3	3066.1
27.5°	2579.3	2655.8	2732.9	2802.3	2873.9	2927.0	2985.5	3032.6	3075.2	3105.5	3136.9
25°	2631.4	2712.7	2786.0	2857.3	2923.0	2990.0	3041.4	3089.2	3134.4	3169.9	3196.7
22.5°	2677.1	2759.1	2828.3	2900.1	2971.4	3035.3	3092.0	3139.0	3182.1	3219.4	3247.6
20°	2717.4	2793.0	2866.2	2939.5	3010.1	3073.2	3130.8	3181.2	3225.9	3260.0	3289.8
17.5°	2748.0	2823.7	2898.8	2973.4	3040.6	3106.3	3166.2	3218.8	3264.2	3297.0	3323.8
15°	2773.2	2851.4	2926.3	3002.5	3068.1	3137.9	3198.1	3250.8	3293.8	3329.1	3353.6
12.5°	2794.5	2872.4	2952.6	3024.7	3099.1	3163.8	3222.4	3277.0	3320.4	3353.2	3385.2
10°	2811.9	2888.3	2971.5	3049.8	3119.4	3184.3	3244.3	3295.4	3335.2	3377.7	3403.3
7.5°	2826.9	2904.9	2986.5	3067.3	3138.5	3198.7	3258.7	3312.7	3354.8	3392.6	3420.9
5°	2837.3	2918.8	2998.3	3078.3	3147.3	3211.3	3267.1	3322.5	3361.8	3397.6	3426.6
2.5°	2843.4	2927.5	3004.9	3083.2	3152.1	3218.4	3275.8	3326.5	3368.8	3402.8	3433.8
0°	2844.5	2929.8	3005.9	3083.2	3152.1	3217.9	3274.9	3326.6	3372.8	3409.9	3439.1
-2.5°	2842.7	2927.2	3005.1	3080.2	3150.7	3215.8	3272.2	3323.6	3367.1	3402.1	3434.9
-5°	2835.8	2919.0	2997.9	3070.6	3143.4	3206.3	3262.3	3313.9	3355.2	3390.4	3422.1
-7.5°	2824.1	2905.1	2984.1	3057.0	3130.1	3189.8	3249.6	3301.4	3342.1	3375.1	3404.9
-10°	2808.0	2884.6	2963.1	3038.3	3106.9	3168.4	3231.0	3281.8	3319.8	3351.6	3381.4
-12.5°	2783.0	2855.8	2933.9	3009.7	3076.5	3142.9	3201.2	3249.7	3289.6	3318.4	3346.6
-15°	2750.4	2821.3	2896.7	2973.9	3043.7	3105.6	3158.9	3210.2	3252.0	3281.5	3306.7
-17.5°	2712.2	2782.1	2852.3	2929.0	2997.4	3058.1	3114.2	3162.4	3201.6	3232.6	3255.6
-20°	2664.9	2738.5	2804.1	2874.4	2943.9	3005.5	3058.8	3106.1	3146.4	3175.5	3202.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2610.1	2688.5	2754.0	2817.5	2881.3	2943.7	2998.0	3042.6	3080.1	3114.6	3142.9
-25°	2550.1	2625.8	2697.2	2759.3	2818.3	2873.7	2927.7	2972.8	3007.9	3044.7	3075.3
-27.5°	2479.8	2553.3	2626.8	2693.4	2751.6	2804.7	2856.0	2899.8	2933.0	2970.1	2998.3
-30°	2407.9	2473.5	2543.5	2612.7	2673.9	2725.4	2773.9	2821.5	2859.3	2887.6	2914.7
-32.5°	2326.7	2391.3	2453.5	2518.0	2582.9	2636.9	2682.0	2723.2	2762.3	2793.3	2814.8
-35°	2240.2	2303.6	2360.4	2423.6	2482.5	2539.3	2583.6	2622.7	2658.7	2687.9	2709.9
-37.5°	2147.9	2210.6	2270.8	2327.8	2382.9	2436.3	2480.2	2521.0	2553.9	2585.5	2608.2
-40°	2048.2	2115.7	2174.8	2231.9	2283.0	2326.4	2372.4	2413.2	2444.6	2471.4	2492.8
-42.5°	1947.0	2012.4	2073.2	2127.3	2176.8	2221.9	2263.3	2297.9	2330.3	2357.8	2378.2
-45°	1845.6	1906.9	1964.4	2016.6	2061.8	2106.0	2149.6	2186.2	2216.9	2240.5	2260.3
-47.5°	1733.8	1798.1	1852.9	1902.2	1947.6	1988.5	2029.6	2066.5	2100.4	2126.3	2145.2
-50°	1619.0	1674.6	1732.4	1783.9	1827.0	1867.3	1906.4	1942.1	1973.7	2001.7	2022.0
-52.5°	1499.6	1558.0	1604.0	1648.9	1693.7	1737.6	1775.2	1807.4	1836.4	1860.4	1879.9
-55°	1333.6	1397.3	1469.1	1522.0	1557.3	1584.5	1623.4	1663.0	1690.2	1712.1	1730.6
-57.5°	1174.5	1211.1	1244.4	1297.1	1363.8	1407.1	1423.9	1432.0	1451.3	1482.1	1509.8
-60°	1002.7	1060.1	1084.2	1101.2	1127.3	1165.8	1197.1	1227.8	1242.2	1247.5	1263.3
-62.5°	834.3	885.2	927.6	957.1	985.2	1016.1	1039.4	1059.7	1077.0	1091.8	1105.3
-65°	682.8	707.6	743.0	783.3	815.7	836.6	844.7	852.7	864.9	890.8	911.7
-67.5°	542.3	574.1	593.3	609.8	632.8	652.3	669.1	683.0	688.9	695.5	705.8
-70°	391.0	406.2	431.2	467.4	491.0	496.4	499.5	502.3	516.4	532.8	543.9
-72.5°	284.2	308.6	326.0	332.3	336.7	343.1	354.4	367.0	380.5	387.9	389.6
-75°	174.6	188.7	203.0	215.6	225.0	231.9	236.3	238.4	238.3	242.1	245.9
-77.5°	97.7	103.3	107.1	110.1	114.2	117.4	119.5	120.6	122.0	127.2	131.5
-80°	53.1	55.0	55.9	57.5	59.6	62.1	63.4	63.8	63.4	64.0	64.5
-82.5°	31.1	32.6	33.9	35.0	35.9	36.6	37.3	37.9	38.4	38.9	39.2
-85°	17.2	17.9	18.6	19.0	19.3	19.6	19.9	20.1	20.3	20.5	20.7
-87.5°	5.9	6.0	6.2	6.3	6.5	6.6	6.6	6.7	6.7	6.8	6.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-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	0.2	0.3	0.3	0.3	0.3
82.5°	6.9	6.9	6.8	6.6	6.6	6.6	6.5	6.4	6.2	5.9	6.0
80°	23.3	23.3	23.1	22.8	22.9	22.8	22.6	22.2	21.7	21.0	20.5
77.5°	48.8	49.0	48.8	48.4	48.5	48.4	48.0	47.3	46.3	45.1	44.1
75°	97.6	91.6	84.6	77.0	82.2	86.8	90.6	93.4	95.1	95.2	94.1
72.5°	208.1	212.7	213.7	211.6	212.9	211.2	206.0	196.8	183.5	175.5	179.3
70°	417.4	424.7	428.5	428.2	427.4	421.9	412.0	397.8	379.4	361.6	347.1
67.5°	643.9	644.8	641.4	633.3	640.5	643.0	641.2	635.4	622.8	598.7	573.6
65°	898.4	905.2	907.2	903.9	905.4	901.8	893.4	880.6	863.8	848.6	833.7
62.5°	1092.3	1100.5	1096.3	1083.4	1092.7	1093.2	1080.9	1052.1	1031.8	1032.7	1040.0
60°	1378.5	1386.9	1391.5	1392.1	1389.9	1383.7	1373.7	1359.9	1342.6	1328.9	1305.5
57.5°	1618.1	1624.0	1620.7	1606.7	1616.4	1615.0	1603.2	1583.2	1553.5	1528.9	1516.3
55°	1900.1	1912.4	1920.4	1923.2	1920.1	1911.4	1898.0	1880.8	1860.4	1823.3	1784.6
52.5°	2052.6	2063.4	2069.5	2070.9	2067.6	2059.6	2047.2	2029.7	2006.4	1977.7	1944.7
50°	2189.6	2202.5	2210.3	2213.0	2209.8	2201.6	2188.2	2169.9	2146.6	2116.7	2080.7
47.5°	2340.4	2356.5	2363.7	2363.4	2362.4	2353.8	2336.3	2312.2	2289.0	2268.6	2237.3
45°	2528.9	2544.8	2554.8	2557.3	2553.7	2542.9	2526.6	2506.5	2471.0	2433.4	2396.8
42.5°	2652.6	2665.7	2674.6	2679.2	2673.6	2663.6	2649.2	2629.9	2600.9	2564.2	2522.8
40°	2742.2	2755.2	2763.0	2765.9	2762.7	2754.3	2740.2	2720.1	2695.6	2662.6	2621.1
37.5°	2846.0	2860.7	2869.7	2873.6	2870.2	2862.3	2849.2	2827.3	2794.4	2754.8	2721.9
35°	2927.2	2942.9	2954.5	2961.4	2955.5	2945.0	2930.3	2909.9	2881.9	2847.1	2805.9
32.5°	3011.3	3027.7	3038.3	3044.0	3038.0	3027.0	3010.9	2989.0	2958.4	2925.6	2887.5
30°	3089.2	3103.6	3113.2	3117.4	3114.8	3105.4	3088.5	3064.2	3035.2	3003.4	2957.4
27.5°	3160.9	3176.6	3184.4	3187.2	3184.1	3176.2	3159.7	3136.2	3108.7	3073.9	3025.7
25°	3217.5	3235.2	3245.7	3250.1	3246.1	3237.4	3222.2	3196.3	3164.8	3132.1	3087.6
22.5°	3270.6	3287.6	3297.4	3302.5	3299.0	3290.8	3271.1	3248.0	3218.7	3180.4	3134.5
20°	3313.7	3331.7	3336.6	3337.8	3335.8	3331.2	3315.0	3289.6	3257.6	3219.2	3176.9
17.5°	3343.6	3362.9	3371.0	3374.2	3371.6	3364.6	3349.9	3325.3	3295.2	3253.2	3207.6
15°	3375.7	3394.2	3406.9	3408.9	3405.5	3396.7	3382.6	3355.6	3325.5	3289.9	3240.3
12.5°	3406.1	3421.7	3432.1	3435.0	3432.4	3423.1	3410.6	3386.4	3347.7	3313.5	3268.9
10°	3427.8	3445.4	3456.1	3456.2	3452.2	3446.3	3431.5	3407.8	3376.0	3331.9	3291.1
7.5°	3446.9	3465.4	3475.5	3475.7	3469.0	3462.5	3446.0	3424.0	3392.5	3353.0	3304.9
5°	3451.0	3470.4	3481.1	3480.5	3479.9	3474.4	3453.2	3432.9	3402.1	3361.8	3315.2
2.5°	3455.1	3470.1	3482.1	3489.3	3486.9	3474.8	3458.1	3435.5	3406.1	3370.7	3320.9
0°	3460.9	3476.7	3489.8	3488.8	3485.7	3473.7	3457.2	3437.8	3405.5	3374.6	3320.6
-2.5°	3455.1	3470.2	3480.6	3477.2	3471.1	3466.1	3452.1	3426.3	3394.9	3361.3	3312.7
-5°	3446.9	3464.4	3468.4	3465.4	3464.5	3455.3	3442.8	3416.5	3385.1	3345.3	3301.0
-7.5°	3429.4	3445.2	3454.7	3449.5	3452.0	3443.1	3429.3	3401.4	3370.2	3330.6	3291.0
-10°	3404.6	3422.4	3430.5	3429.1	3429.5	3421.7	3403.0	3378.1	3347.7	3310.9	3269.7
-12.5°	3370.0	3386.2	3396.2	3399.3	3394.7	3387.4	3376.0	3346.8	3320.1	3281.9	3233.1
-15°	3327.4	3345.6	3355.6	3357.7	3353.8	3345.2	3329.4	3308.3	3279.1	3238.2	3193.4
-17.5°	3281.8	3301.7	3307.0	3306.1	3303.0	3296.2	3283.1	3262.4	3226.3	3191.5	3148.5
-20°	3227.6	3245.7	3253.4	3255.5	3251.0	3243.0	3228.0	3202.5	3175.0	3134.0	3091.9



REPORT NUMBER: P622924 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-65W-7030

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3167.7	3184.7	3191.3	3192.0	3191.0	3182.2	3168.0	3139.9	3106.2	3072.1	3033.9
-25°	3096.7	3110.7	3117.5	3117.4	3115.9	3108.0	3093.1	3065.4	3037.0	3006.5	2965.8
-27.5°	3022.3	3038.0	3045.9	3046.4	3041.7	3031.7	3015.3	2995.4	2970.0	2932.2	2891.9
-30°	2939.6	2954.4	2961.8	2961.8	2961.5	2954.5	2941.3	2914.6	2882.8	2849.4	2811.0
-32.5°	2831.5	2846.1	2854.1	2854.1	2854.0	2846.0	2831.0	2811.7	2785.8	2748.4	2704.3
-35°	2728.9	2744.5	2753.5	2755.5	2752.1	2741.6	2724.2	2702.7	2678.9	2646.3	2607.3
-37.5°	2625.2	2639.6	2648.5	2651.5	2648.1	2639.0	2624.1	2603.4	2576.9	2544.7	2510.3
-40°	2512.7	2527.6	2536.7	2539.9	2535.6	2525.1	2508.5	2486.4	2461.9	2433.2	2402.1
-42.5°	2397.0	2410.6	2418.8	2421.5	2416.5	2406.0	2390.4	2370.1	2349.1	2322.4	2289.8
-45°	2279.6	2293.9	2303.0	2306.6	2302.4	2293.1	2279.4	2261.9	2237.3	2207.2	2174.4
-47.5°	2160.4	2172.0	2178.9	2180.9	2176.8	2167.8	2154.1	2134.8	2111.4	2085.3	2055.3
-50°	2035.9	2045.2	2049.9	2049.8	2047.0	2039.4	2027.0	2009.9	1987.9	1961.4	1931.4
-52.5°	1894.5	1904.3	1909.2	1909.2	1906.8	1899.6	1887.7	1871.2	1850.7	1828.0	1799.3
-55°	1745.1	1755.3	1761.0	1761.9	1758.9	1750.9	1737.8	1719.8	1697.2	1675.5	1647.4
-57.5°	1523.3	1530.3	1530.1	1521.1	1527.4	1525.2	1516.5	1501.8	1471.3	1437.7	1414.9
-60°	1275.0	1282.6	1286.1	1285.4	1283.5	1277.7	1268.1	1255.0	1238.6	1231.9	1216.0
-62.5°	1115.4	1121.9	1124.8	1124.3	1123.0	1118.2	1109.6	1097.2	1082.0	1067.6	1050.9
-65°	923.0	925.7	921.1	910.2	919.3	922.2	917.8	905.0	882.7	856.1	844.0
-67.5°	713.8	719.0	721.7	721.8	721.3	718.3	712.6	704.3	693.4	683.2	672.6
-70°	548.2	546.8	540.7	531.1	539.0	543.5	543.5	538.2	526.5	509.9	495.7
-72.5°	391.2	392.0	391.6	389.4	391.0	390.9	389.5	387.6	385.6	376.9	361.0
-75°	248.3	249.4	249.2	247.7	247.9	246.7	244.3	240.6	235.7	230.5	227.9
-77.5°	134.5	136.2	136.6	135.9	135.9	134.7	132.3	128.7	123.8	118.0	115.7
-80°	64.8	64.9	64.7	64.3	64.2	64.0	63.5	62.8	61.9	60.8	59.8
-82.5°	39.4	39.5	39.4	39.2	39.2	39.0	38.7	38.3	37.8	37.2	36.3
-85°	20.8	20.9	20.9	20.8	20.8	20.7	20.5	20.3	20.0	19.6	19.2
-87.5°	6.8	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.5
-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: P622924 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF65-XX-PC-65W-7030

**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	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
85°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.5
82.5°	5.9	5.9	5.8	5.8	5.6	5.3	4.9	4.5	3.9	3.2	2.4
80°	19.9	19.0	18.0	16.9	15.8	14.7	13.4	12.3	11.7	10.9	10.0
77.5°	42.9	41.5	39.7	37.7	36.1	34.8	32.0	28.6	26.0	23.3	20.6
75°	92.0	89.2	85.5	81.0	76.0	71.1	66.1	62.0	58.4	52.7	45.4
72.5°	181.8	183.0	178.7	164.6	145.5	139.2	130.8	118.6	106.3	93.9	86.5
70°	345.1	343.7	340.3	315.9	286.2	268.2	255.9	233.2	205.2	178.9	148.8
67.5°	543.7	537.4	535.7	517.7	468.5	434.8	413.0	376.7	338.4	305.6	267.1
65°	814.7	792.1	765.9	736.5	678.9	626.9	593.5	546.9	508.2	450.3	398.7
62.5°	1034.9	1010.4	974.2	938.2	900.9	860.4	807.7	738.7	669.5	601.3	564.8
60°	1270.9	1219.8	1190.4	1177.1	1134.1	1070.8	1002.0	942.8	876.3	791.5	707.3
57.5°	1508.5	1478.5	1410.5	1350.6	1313.0	1286.1	1240.5	1166.2	1064.7	975.0	883.4
55°	1738.8	1702.3	1674.3	1614.9	1536.0	1454.5	1404.7	1362.2	1285.1	1173.8	1040.7
52.5°	1905.6	1861.2	1815.3	1768.7	1715.2	1651.5	1570.0	1504.6	1440.8	1350.8	1233.1
50°	2040.2	1995.4	1953.3	1910.4	1850.8	1781.6	1713.4	1638.6	1556.9	1480.4	1389.9
47.5°	2190.1	2133.1	2086.6	2045.7	2001.0	1937.4	1846.4	1758.8	1677.3	1585.2	1502.2
45°	2360.7	2313.1	2238.5	2173.6	2122.5	2071.6	2008.0	1896.9	1794.5	1697.8	1597.2
42.5°	2479.3	2441.6	2383.0	2312.9	2240.1	2180.0	2116.9	2028.0	1920.0	1813.0	1700.7
40°	2572.1	2525.6	2474.0	2419.7	2350.0	2278.1	2203.2	2120.9	2026.1	1919.0	1812.0
37.5°	2673.5	2616.5	2556.5	2499.2	2438.0	2366.4	2286.4	2201.9	2110.4	2007.2	1902.0
35°	2757.8	2709.7	2647.2	2579.6	2511.0	2445.8	2367.4	2279.9	2185.5	2085.7	1974.5
32.5°	2837.8	2783.5	2725.6	2660.9	2589.3	2513.9	2440.9	2353.5	2258.8	2152.4	2041.8
30°	2913.3	2859.9	2795.5	2730.1	2659.6	2584.8	2502.7	2422.3	2324.2	2218.0	2099.9
27.5°	2977.6	2925.3	2867.1	2791.7	2719.5	2645.1	2566.7	2477.8	2385.8	2273.4	2152.3
25°	3034.7	2982.1	2920.1	2850.6	2772.3	2695.8	2620.5	2534.2	2433.6	2322.8	2206.8
22.5°	3087.9	3028.3	2964.8	2897.6	2822.8	2742.4	2658.9	2576.0	2474.7	2370.9	2249.7
20°	3127.1	3070.7	3003.9	2934.6	2859.4	2781.7	2698.7	2611.9	2514.8	2406.3	2286.0
17.5°	3161.0	3103.9	3039.7	2966.2	2895.8	2815.7	2732.0	2641.1	2547.9	2438.2	2319.6
15°	3186.8	3131.4	3069.8	3000.8	2924.0	2845.8	2759.9	2670.3	2573.5	2465.1	2349.8
12.5°	3215.0	3156.8	3094.2	3023.5	2948.8	2870.4	2784.4	2692.9	2594.4	2487.6	2372.3
10°	3237.3	3178.8	3114.2	3046.2	2968.5	2886.2	2801.1	2711.8	2614.0	2508.2	2391.9
7.5°	3253.9	3195.1	3130.2	3060.2	2982.4	2901.2	2817.1	2726.0	2629.4	2523.2	2406.2
5°	3265.4	3204.7	3141.7	3070.7	2992.1	2910.0	2827.0	2735.9	2639.2	2532.3	2415.0
2.5°	3270.2	3209.2	3144.8	3075.9	2997.4	2913.4	2830.0	2740.5	2643.4	2536.5	2418.3
0°	3266.7	3207.0	3140.9	3075.3	2997.0	2911.0	2827.2	2739.6	2642.3	2535.3	2416.2
-2.5°	3265.0	3204.5	3137.6	3072.2	2994.5	2908.9	2826.2	2737.8	2639.9	2534.5	2416.7
-5°	3255.1	3194.9	3126.9	3065.5	2985.7	2900.7	2819.9	2730.5	2632.6	2528.5	2411.7
-7.5°	3237.6	3176.8	3107.9	3051.7	2971.2	2887.9	2807.9	2718.0	2620.7	2518.0	2401.1
-10°	3212.4	3154.6	3090.4	3028.4	2950.5	2871.2	2790.2	2700.8	2604.5	2500.5	2384.6
-12.5°	3182.6	3125.7	3068.9	2997.6	2921.4	2844.9	2763.8	2675.5	2581.8	2476.5	2363.0
-15°	3144.5	3093.3	3032.9	2964.2	2888.5	2810.0	2728.4	2639.3	2550.2	2450.3	2338.5
-17.5°	3098.2	3048.7	2986.0	2919.9	2849.0	2769.0	2687.3	2603.0	2514.4	2411.7	2294.6
-20°	3049.2	2991.7	2933.8	2871.6	2797.3	2721.4	2641.2	2555.2	2465.3	2365.5	2249.4



REPORT NUMBER: P622924 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF65-XX-PC-65W-7030

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2984.1	2932.7	2874.7	2812.8	2741.2	2666.4	2592.4	2508.0	2416.1	2312.8	2205.1
-25°	2919.2	2864.8	2813.5	2746.7	2679.9	2609.6	2527.1	2450.1	2360.4	2252.7	2149.5
-27.5°	2846.8	2798.4	2737.8	2678.5	2613.9	2536.9	2462.9	2384.5	2291.0	2196.7	2076.8
-30°	2759.7	2710.6	2659.6	2604.2	2530.9	2457.6	2386.5	2308.3	2222.7	2125.1	2005.3
-32.5°	2665.3	2622.0	2574.7	2508.2	2437.4	2374.2	2304.8	2225.8	2146.1	2038.2	1931.6
-35°	2570.8	2528.3	2471.6	2409.9	2346.2	2284.4	2215.3	2143.2	2051.7	1954.3	1853.3
-37.5°	2467.4	2423.3	2370.9	2313.2	2254.9	2188.5	2124.3	2046.0	1961.4	1870.5	1779.4
-40°	2359.1	2314.7	2267.8	2217.1	2154.4	2091.1	2024.0	1951.9	1871.2	1785.7	1691.8
-42.5°	2251.8	2209.0	2160.4	2108.4	2052.7	1991.6	1927.0	1856.2	1777.4	1694.0	1582.5
-45°	2135.4	2091.9	2049.4	2000.0	1948.7	1889.8	1826.7	1752.1	1676.8	1581.3	1488.6
-47.5°	2018.6	1977.6	1936.7	1890.3	1839.5	1781.6	1712.4	1644.6	1562.1	1480.5	1386.6
-50°	1897.2	1859.6	1819.5	1774.0	1717.3	1657.2	1596.5	1530.0	1456.1	1372.5	1276.1
-52.5°	1767.8	1730.4	1683.4	1633.6	1584.9	1530.4	1474.0	1409.9	1338.6	1248.3	1166.6
-55°	1608.9	1570.9	1536.6	1496.0	1442.7	1373.5	1313.9	1258.5	1200.6	1125.2	1014.8
-57.5°	1403.2	1383.9	1339.9	1277.8	1228.1	1190.5	1155.2	1113.2	1026.6	936.5	871.4
-60°	1185.7	1155.2	1119.0	1090.9	1070.4	1042.6	983.1	916.1	853.6	807.8	757.0
-62.5°	1029.9	1005.3	973.3	944.0	912.4	868.1	811.8	768.7	732.7	694.1	638.2
-65°	836.0	826.8	798.0	754.4	720.1	689.9	667.7	640.1	599.7	519.7	471.2
-67.5°	655.7	637.3	616.7	593.6	578.7	556.5	514.4	468.9	431.4	405.6	370.2
-70°	490.2	482.2	469.8	447.3	416.3	393.5	377.4	355.3	325.5	296.3	267.0
-72.5°	346.2	333.2	323.4	312.4	297.5	281.2	263.3	243.2	220.9	196.5	170.6
-75°	223.5	217.4	209.4	199.6	187.5	173.2	157.0	141.4	129.3	117.7	105.2
-77.5°	113.1	109.2	103.9	97.3	92.0	87.2	81.3	75.3	70.4	63.7	57.0
-80°	58.5	56.7	54.6	52.5	50.5	48.5	45.6	42.3	39.5	36.5	33.4
-82.5°	35.3	34.4	33.4	32.3	31.2	29.7	28.1	26.5	24.8	23.0	21.2
-85°	18.6	18.0	17.4	16.6	15.8	14.8	13.8	12.8	12.0	11.2	10.3
-87.5°	6.3	6.2	6.0	5.7	5.5	5.2	4.9	4.6	4.4	4.1	3.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P622924 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF65-XX-PC-65W-7030

**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	0.3	0.3
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	1.9	1.9	1.8	1.5	0.9	0.8	0.8	0.7	0.7	0.7	0.6
80°	8.8	7.7	6.7	5.8	4.9	4.1	3.0	1.9	1.2	1.0	0.8
77.5°	18.1	15.4	13.5	11.3	9.5	8.2	6.9	5.5	4.0	2.4	1.4
75°	37.8	32.7	25.4	21.0	17.1	13.9	10.9	9.2	7.4	5.5	3.4
72.5°	77.0	67.2	56.3	44.8	32.7	23.2	18.0	13.8	10.8	8.5	6.1
70°	131.3	113.4	93.2	79.4	64.7	47.7	29.0	21.3	15.7	11.6	8.8
67.5°	228.3	188.8	157.4	128.4	97.9	78.2	57.2	35.5	22.8	16.2	11.6
65°	347.2	296.9	247.5	197.7	159.9	117.3	87.1	61.2	36.2	22.3	15.2
62.5°	488.0	417.3	352.8	292.8	233.1	179.2	129.0	89.5	59.3	31.0	19.8
60°	634.5	569.8	476.6	393.4	320.6	249.9	186.6	128.9	82.8	51.4	26.0
57.5°	787.3	698.0	625.0	517.3	412.9	328.7	251.2	180.2	118.2	71.6	37.6
55°	949.6	839.5	743.4	654.0	522.5	412.0	321.0	237.4	161.5	97.5	55.1
52.5°	1095.3	988.9	867.0	758.2	642.2	504.2	393.0	298.3	210.3	131.1	72.4
50°	1267.4	1119.6	1003.1	861.4	734.7	606.4	470.1	358.4	262.0	169.6	92.1
47.5°	1403.7	1273.7	1115.3	974.2	827.3	692.8	548.6	423.3	313.3	211.4	120.2
45°	1507.0	1398.7	1241.6	1070.5	920.7	773.8	634.7	486.8	363.2	254.0	148.9
42.5°	1593.6	1491.9	1355.5	1175.9	1011.6	852.8	702.2	547.7	416.2	293.8	178.1
40°	1681.1	1566.9	1441.9	1288.5	1094.0	931.9	770.6	617.3	470.1	331.9	209.1
37.5°	1783.3	1634.6	1515.6	1368.5	1188.5	1002.6	836.1	673.8	511.4	368.5	240.1
35°	1857.6	1715.6	1574.0	1441.9	1273.3	1067.3	898.5	727.1	556.6	406.5	269.4
32.5°	1921.0	1787.5	1633.7	1501.9	1337.7	1148.4	956.9	779.1	605.7	444.9	297.2
30°	1982.5	1841.9	1697.6	1549.2	1399.4	1213.8	1003.6	827.9	647.3	477.6	323.3
27.5°	2036.0	1901.0	1750.0	1597.0	1451.2	1267.4	1053.0	873.4	684.1	505.1	348.0
25°	2080.0	1955.6	1792.3	1643.0	1493.7	1315.6	1110.6	915.3	720.2	531.3	370.8
22.5°	2117.4	1998.2	1834.0	1682.2	1527.9	1361.8	1158.3	953.6	754.1	561.1	392.7
20°	2155.6	2029.4	1884.7	1715.7	1561.1	1402.2	1200.2	982.6	784.6	587.4	414.0
17.5°	2194.5	2059.1	1923.4	1745.4	1591.2	1432.2	1236.4	1007.9	811.7	609.8	432.6
15°	2221.9	2084.0	1956.3	1771.2	1615.9	1458.2	1263.5	1031.4	835.2	628.2	448.6
12.5°	2245.6	2103.5	1976.6	1793.6	1635.8	1477.0	1286.2	1053.8	855.0	643.6	461.1
10°	2263.3	2123.3	1995.0	1814.3	1651.4	1490.6	1304.3	1070.4	871.0	655.9	470.1
7.5°	2276.1	2138.2	2009.1	1827.7	1662.0	1500.4	1317.3	1081.4	883.2	665.1	476.8
5°	2284.2	2146.4	2017.3	1834.3	1668.2	1506.4	1325.5	1087.2	891.5	671.1	481.4
2.5°	2286.6	2148.5	2021.2	1834.7	1670.1	1508.5	1328.9	1088.4	895.9	674.0	483.8
0°	2283.8	2145.1	2020.5	1829.6	1667.5	1506.7	1327.8	1085.4	896.3	673.7	484.0
-2.5°	2284.3	2147.0	2018.7	1830.6	1668.2	1506.5	1328.2	1088.6	896.8	674.5	484.9
-5°	2279.4	2143.5	2012.5	1826.6	1664.4	1502.4	1324.4	1087.5	893.6	672.1	483.7
-7.5°	2268.4	2134.0	2002.1	1817.4	1656.0	1494.3	1316.3	1081.8	886.6	666.5	480.1
-10°	2253.8	2118.0	1984.1	1803.0	1642.9	1482.3	1304.2	1071.1	876.1	658.0	474.0
-12.5°	2235.6	2096.1	1958.2	1783.2	1624.4	1466.4	1287.1	1054.8	861.8	646.5	465.4
-15°	2211.7	2070.3	1927.2	1760.0	1601.1	1445.6	1265.8	1032.7	842.9	632.0	454.0
-17.5°	2181.5	2039.5	1890.9	1733.2	1573.6	1418.9	1240.7	1010.0	820.0	614.8	440.1
-20°	2130.7	2004.0	1851.3	1700.6	1543.0	1388.8	1204.5	986.1	793.2	595.2	424.1



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2075.5	1951.3	1803.5	1662.3	1508.6	1354.4	1160.8	958.8	762.0	573.0	406.0
-25°	2019.9	1892.5	1755.7	1610.1	1470.7	1316.5	1112.3	925.4	726.6	548.2	386.4
-27.5°	1961.2	1831.8	1701.8	1555.8	1421.0	1273.2	1055.6	889.7	689.9	521.1	365.0
-30°	1891.5	1771.9	1635.6	1500.1	1366.4	1213.8	1008.4	843.5	655.3	490.7	341.5
-32.5°	1821.5	1706.7	1564.0	1439.1	1307.4	1144.4	964.9	792.8	618.4	459.1	316.5
-35°	1753.6	1621.5	1497.2	1373.1	1245.1	1065.7	913.7	736.5	579.1	427.6	289.6
-37.5°	1666.0	1536.9	1421.3	1302.8	1169.0	1004.9	851.4	684.2	535.3	394.2	263.7
-40°	1563.6	1455.3	1343.1	1231.9	1085.4	939.6	783.9	633.6	486.2	358.7	240.6
-42.5°	1478.8	1366.2	1263.1	1149.2	1011.0	864.0	715.9	578.0	442.6	321.3	216.5
-45°	1384.0	1278.3	1182.1	1062.5	925.0	787.2	653.3	514.9	396.9	282.0	191.5
-47.5°	1286.2	1193.9	1096.2	973.8	836.0	712.2	582.8	454.6	349.1	252.0	165.8
-50°	1189.1	1093.5	998.8	864.4	754.5	634.4	504.9	399.0	300.5	219.2	139.2
-52.5°	1068.0	974.6	867.6	776.7	669.3	545.7	435.0	343.3	258.0	184.8	116.0
-55°	929.7	845.4	770.7	684.7	567.8	457.7	371.0	288.3	217.1	150.7	93.3
-57.5°	807.5	744.5	667.0	566.6	465.0	383.8	309.8	239.9	175.5	119.6	72.8
-60°	700.6	623.5	532.0	453.2	382.1	316.9	252.1	190.3	137.2	91.5	54.8
-62.5°	548.4	482.3	423.1	364.8	310.9	252.3	194.7	146.8	103.5	67.0	39.5
-65°	428.3	382.1	332.4	288.2	239.4	186.7	146.3	107.8	74.9	48.3	33.1
-67.5°	327.0	290.3	250.9	208.9	167.9	137.1	103.5	75.7	52.1	36.0	26.6
-70°	235.5	202.1	166.8	143.9	118.9	92.3	70.1	50.9	36.8	27.9	20.3
-72.5°	149.0	131.8	112.4	92.0	76.5	60.9	44.9	34.6	27.2	20.9	13.9
-75°	90.5	78.8	67.0	57.0	46.4	37.8	29.8	25.0	19.7	13.9	9.9
-77.5°	50.9	44.0	39.3	33.4	29.0	25.4	21.4	17.0	12.8	9.5	7.0
-80°	30.7	28.1	25.5	22.7	19.8	16.8	13.5	10.5	8.1	6.4	4.7
-82.5°	19.2	17.2	15.1	13.0	10.8	9.3	7.8	6.3	5.1	4.1	3.1
-85°	9.3	8.3	7.4	6.5	5.8	5.0	4.2	3.5	2.9	2.4	1.9
-87.5°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.6	1.3	1.1	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

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**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	0.2	0.2	0.1	0.1	0.1	0.0
85°	0.5	0.4	0.4	0.3	0.2	0.1	0.0
82.5°	0.6	0.6	0.5	0.4	0.3	0.2	0.0
80°	0.8	0.7	0.6	0.5	0.4	0.2	0.0
77.5°	1.1	0.9	0.8	0.6	0.5	0.3	0.0
75°	1.6	1.2	1.0	0.7	0.6	0.3	0.0
72.5°	3.6	1.7	1.2	0.9	0.6	0.4	0.0
70°	6.0	3.0	1.6	1.0	0.7	0.4	0.0
67.5°	8.3	4.9	2.0	1.2	0.8	0.5	0.0
65°	10.6	6.9	3.1	1.5	0.9	0.5	0.0
62.5°	13.0	8.7	4.6	1.8	1.0	0.5	0.0
60°	16.6	10.7	6.1	2.2	1.1	0.6	0.0
57.5°	20.4	12.7	7.5	2.6	1.2	0.6	0.0
55°	27.0	15.0	8.9	3.7	1.3	0.6	0.0
52.5°	34.8	18.0	10.3	4.7	1.5	0.7	0.0
50°	48.9	20.9	11.9	5.7	1.7	0.7	0.0
47.5°	62.5	27.3	13.5	6.6	1.9	0.7	0.0
45°	75.7	33.7	15.1	7.6	2.1	0.8	0.0
42.5°	88.4	42.1	17.1	8.4	2.4	0.8	0.0
40°	109.1	52.0	19.1	9.3	2.6	0.8	0.0
37.5°	128.7	61.5	21.0	10.1	2.8	0.9	0.0
35°	148.9	70.5	25.0	11.0	3.2	0.9	0.0
32.5°	169.0	79.1	29.9	11.9	3.7	0.9	0.0
30°	187.7	87.0	34.6	12.8	4.1	1.0	0.0
27.5°	206.9	95.7	39.2	13.6	4.5	1.0	0.0
25°	224.7	107.1	43.9	14.4	4.9	1.1	0.0
22.5°	240.7	117.5	48.9	15.1	5.3	1.1	0.0
20°	255.2	126.8	53.5	15.8	5.6	1.1	0.0
17.5°	268.8	135.0	57.6	16.6	5.9	1.1	0.0
15°	280.5	142.8	61.2	17.3	6.1	1.2	0.0
12.5°	290.4	150.0	64.4	17.8	6.4	1.2	0.0
10°	298.5	155.9	67.1	18.3	6.5	1.2	0.0
7.5°	304.7	160.6	69.3	18.7	6.7	1.2	0.0
5°	309.0	164.1	71.0	19.0	6.8	1.2	0.0
2.5°	311.4	166.2	72.2	19.2	6.9	1.2	0.0
0°	312.0	167.1	72.9	19.3	6.9	1.2	0.0
-2.5°	312.8	168.1	73.3	19.6	7.0	1.3	0.0
-5°	311.7	167.8	73.3	19.8	7.0	1.3	0.0
-7.5°	308.7	166.2	72.7	19.9	6.9	1.3	0.0
-10°	303.9	163.4	71.6	19.9	6.9	1.3	0.0
-12.5°	297.1	159.4	70.0	19.7	6.8	1.3	0.0
-15°	288.4	154.1	67.8	19.5	6.7	1.3	0.0
-17.5°	277.9	148.3	65.1	19.2	6.5	1.3	0.0
-20°	265.4	141.9	61.8	18.7	6.3	1.3	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	253.2	134.4	58.0	18.3	6.0	1.2	0.0
-25°	240.6	125.7	53.6	17.7	5.8	1.2	0.0
-27.5°	226.7	116.0	49.0	17.1	5.4	1.2	0.0
-30°	211.6	107.9	44.2	16.3	5.1	1.2	0.0
-32.5°	195.8	100.0	39.0	15.5	4.7	1.1	0.0
-35°	178.7	91.1	33.4	14.5	4.3	1.1	0.0
-37.5°	161.0	81.6	28.8	13.5	3.9	1.0	0.0
-40°	143.1	72.1	27.1	12.5	3.7	1.0	0.0
-42.5°	123.9	61.8	25.2	11.4	3.5	1.0	0.0
-45°	109.0	52.0	23.1	10.3	3.2	1.0	0.0
-47.5°	92.9	42.9	21.1	9.0	3.0	0.9	0.0
-50°	77.7	33.4	18.9	8.0	2.7	0.9	0.0
-52.5°	62.0	30.2	16.6	7.0	2.4	0.9	0.0
-55°	49.3	26.8	14.3	6.0	2.2	0.8	0.0
-57.5°	36.8	23.3	12.0	5.0	2.1	0.8	0.0
-60°	32.2	19.8	9.5	4.4	1.9	0.7	0.0
-62.5°	27.4	16.1	8.1	3.8	1.7	0.7	0.0
-65°	22.4	12.4	6.5	3.2	1.5	0.6	0.0
-67.5°	17.3	9.5	5.3	2.7	1.3	0.6	0.0
-70°	12.0	7.5	4.3	2.3	1.2	0.5	0.0
-72.5°	9.1	5.8	3.4	1.9	1.1	0.5	0.0
-75°	6.8	4.4	2.8	1.6	0.9	0.4	0.0
-77.5°	5.0	3.3	2.1	1.3	0.8	0.3	0.0
-80°	3.5	2.4	1.6	1.1	0.6	0.3	0.0
-82.5°	2.3	1.7	1.2	0.8	0.5	0.2	0.0
-85°	1.5	1.2	0.8	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)