

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: P622923 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF65-XX-PC-45W-7050**

Issue Date: 10/4/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622923 (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-45W-7050  
Description: Flood light with selectable wattage and CCT  
Light Source: (1) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

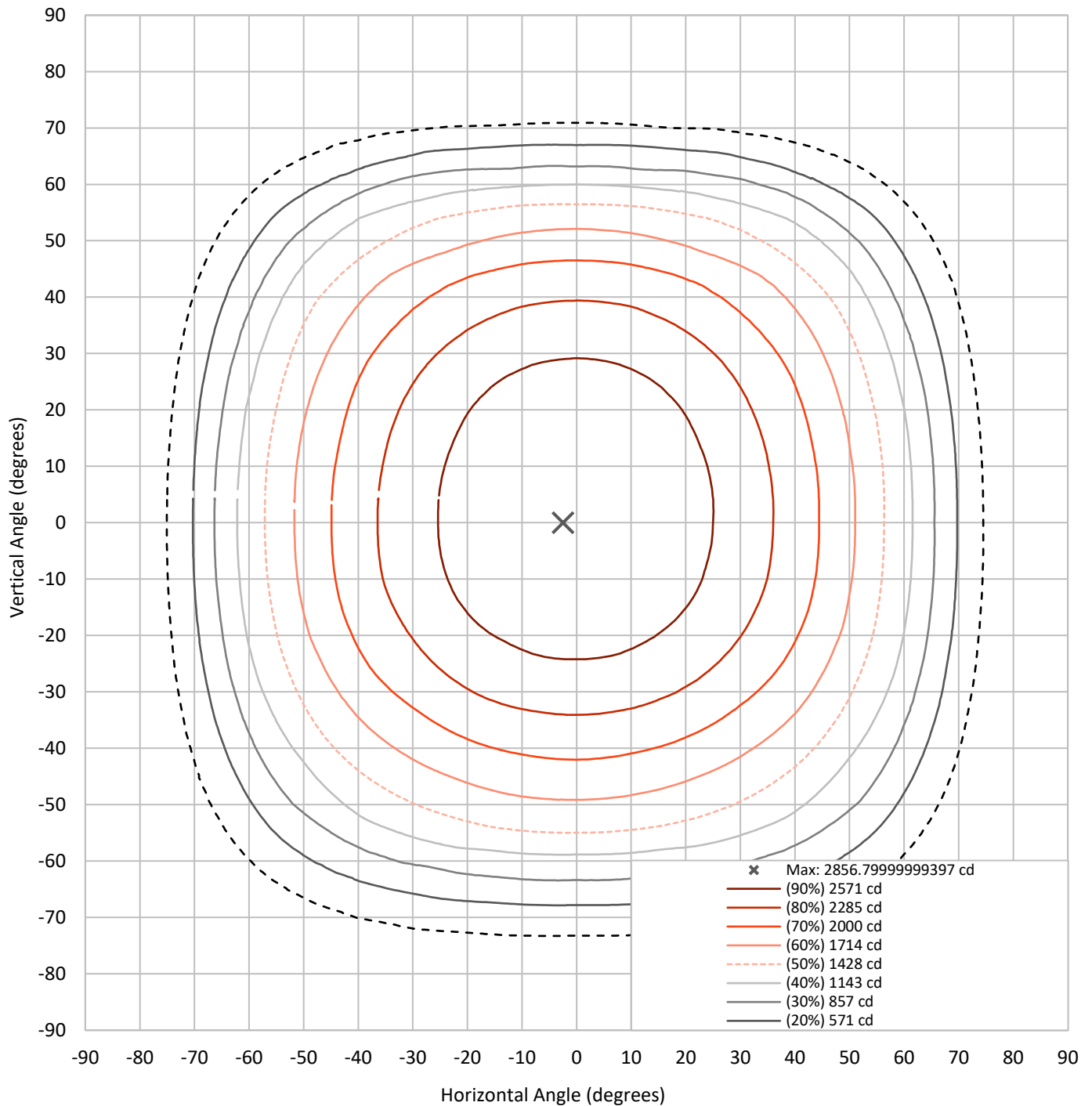
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	7736.1 lumens	Max Intensity:	2856.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	162.9 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:	6206.4 lumens	Field Lumens:	7621.5 lumens
Beam Efficiency:	80.2%	Field Efficiency:	98.5%
Input Watts (W):	47.5		
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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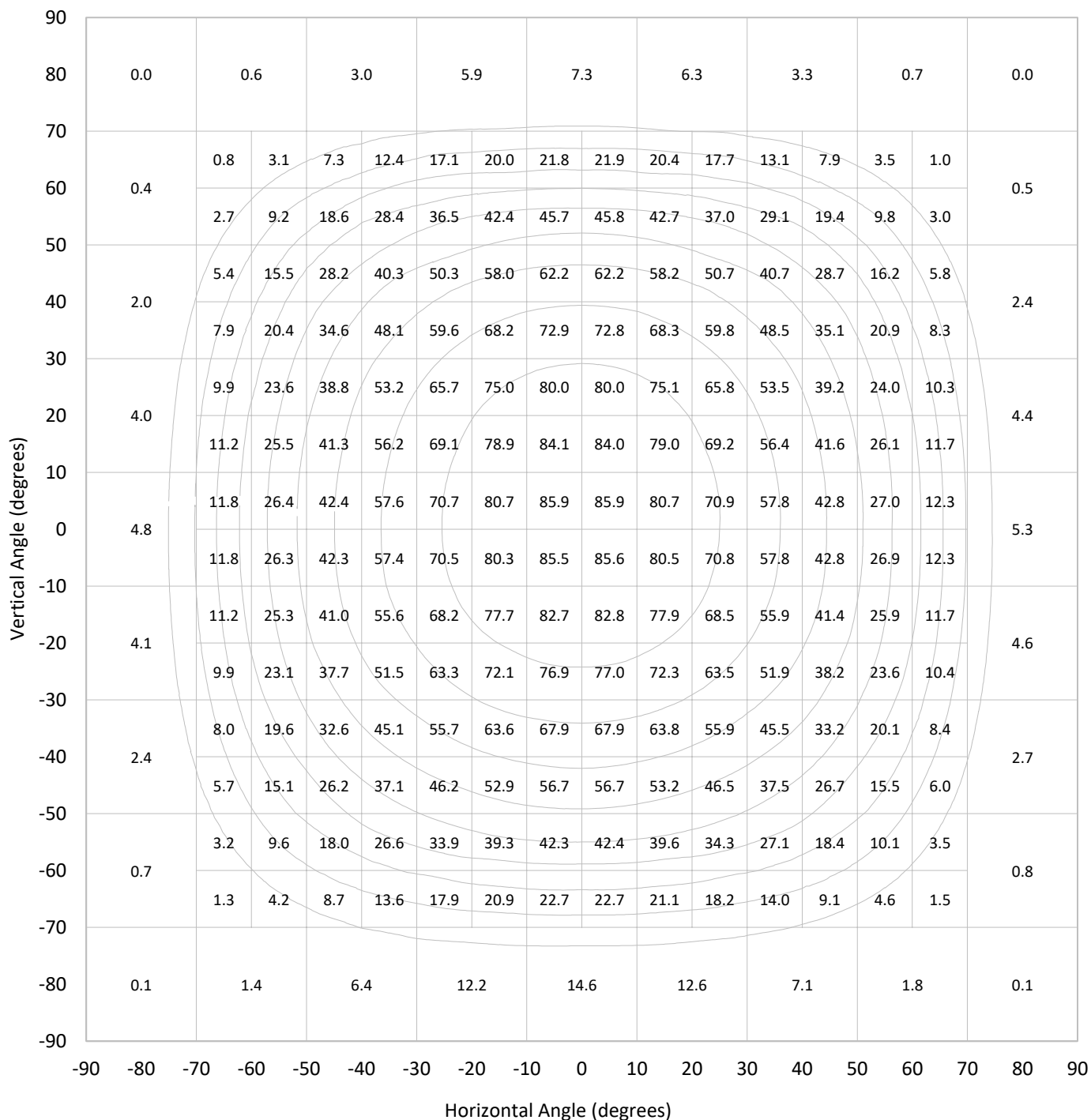
### Iso-Candela Plot





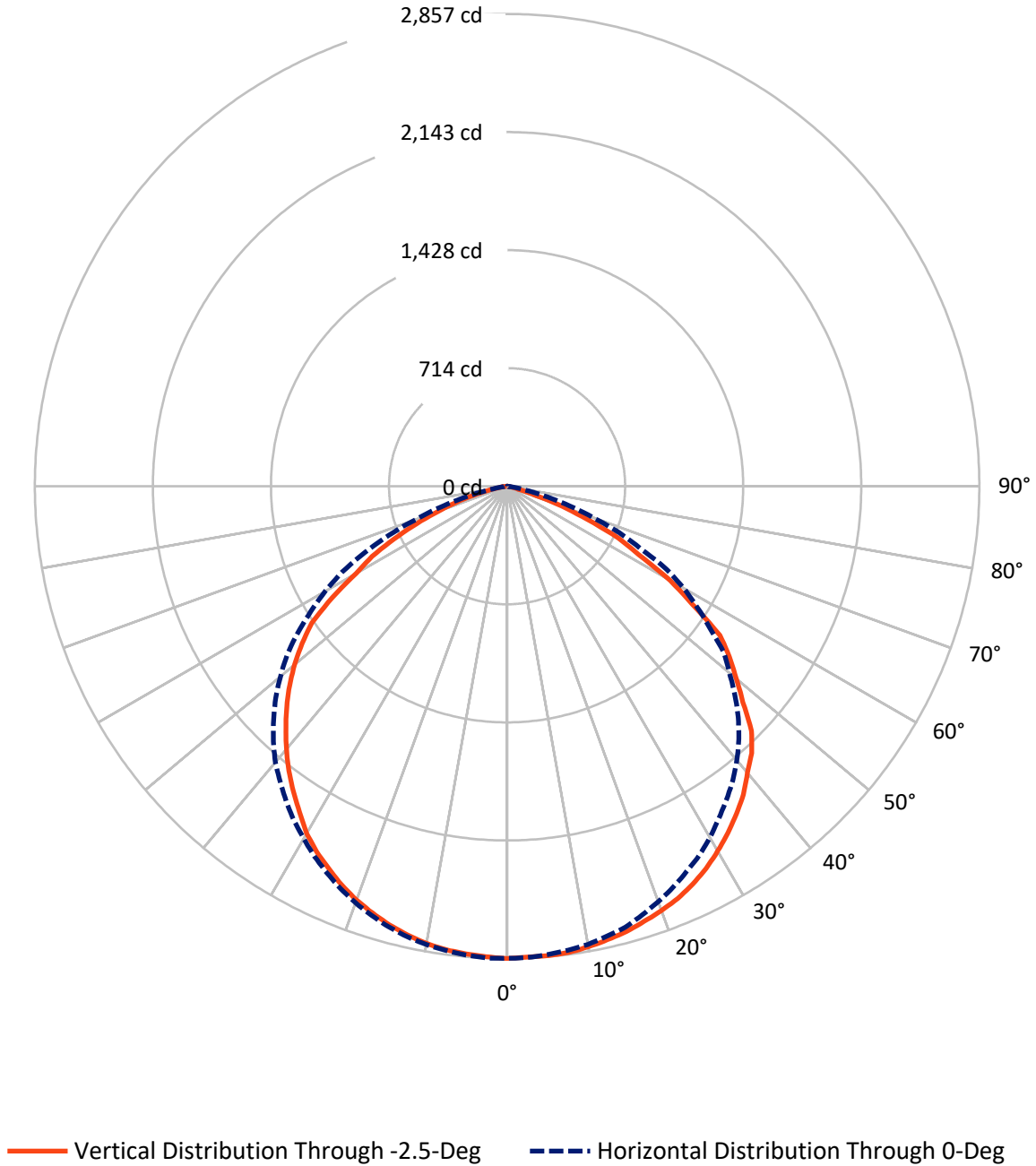
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### Lumen Table



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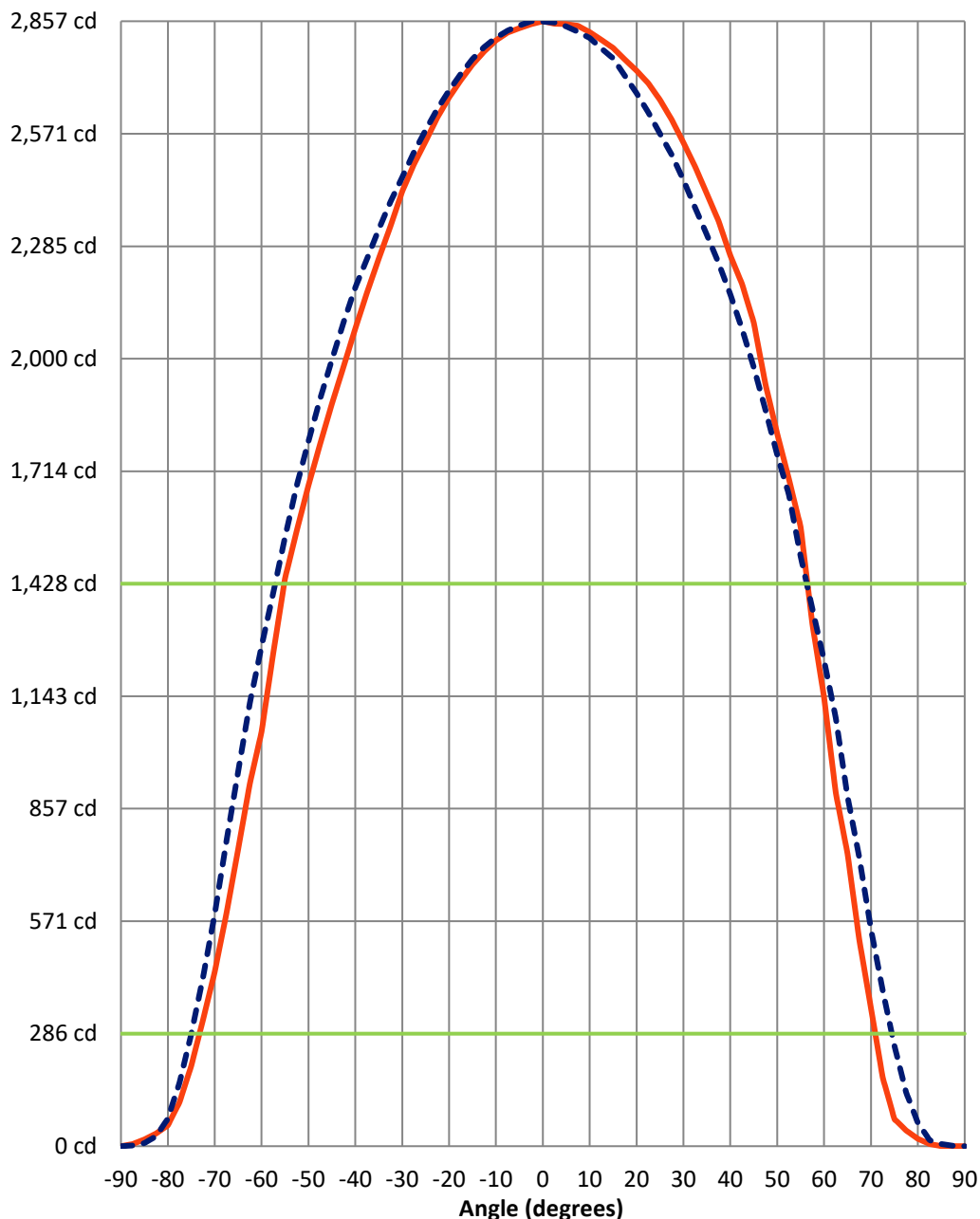
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 113.4°  
 V Angle: 111.6°  
 Lumens: 6206.4  
 Efficiency: 80.2%

**Field:**  
 H Angle: 149.5°  
 V Angle: 144.2°  
 Lumens: 7621.5  
 Efficiency: 98.5%

**Spill:**  
 Lumens: 114.6  
 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	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4
85°	0.0	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.3	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8
80°	0.0	0.4	0.6	0.7	0.8	0.8	0.8	0.8	1.6	2.0	2.6
77.5°	0.0	0.4	0.8	0.8	0.9	1.0	1.5	2.6	3.5	4.7	5.9
75°	0.0	0.5	0.8	0.9	1.1	1.7	3.2	4.6	6.0	7.5	9.4
72.5°	0.0	0.6	0.9	1.1	1.4	3.1	4.9	6.6	8.4	11.4	14.7
70°	0.0	0.7	1.0	1.3	2.4	4.5	6.6	8.6	12.5	16.8	23.9
67.5°	0.0	0.8	1.1	1.5	3.4	5.9	8.5	12.4	17.6	27.4	41.4
65°	0.0	0.8	1.2	2.0	4.5	7.6	11.2	16.8	27.0	44.8	63.8
62.5°	0.0	0.9	1.3	2.7	5.7	9.5	14.9	21.5	43.1	64.9	89.4
60°	0.0	0.9	1.5	3.4	6.9	11.9	18.8	36.4	60.9	85.4	126.5
57.5°	0.0	1.0	1.6	4.1	8.6	15.0	22.8	51.5	78.5	117.1	172.0
55°	0.0	1.0	1.7	5.0	10.3	18.0	34.8	66.1	100.7	156.7	216.7
52.5°	0.0	1.0	2.0	5.9	12.2	21.1	46.6	80.8	129.0	197.0	271.6
50°	0.0	1.1	2.4	6.7	14.5	24.2	58.4	97.5	164.7	238.6	321.4
47.5°	0.0	1.1	2.8	7.6	16.7	33.0	70.0	120.4	199.7	282.4	373.3
45°	0.0	1.1	3.1	8.9	18.9	41.4	82.2	145.5	232.3	324.0	431.6
42.5°	0.0	1.2	3.5	10.2	21.1	49.8	94.1	172.4	265.4	366.7	489.7
40°	0.0	1.2	3.8	11.5	23.2	58.2	111.4	197.9	297.5	409.8	529.7
37.5°	0.0	1.2	4.2	12.7	25.3	66.3	127.8	222.0	328.9	456.7	579.2
35°	0.0	1.3	4.6	14.0	29.5	74.7	145.6	245.9	359.6	494.6	628.2
32.5°	0.0	1.3	5.0	15.4	34.5	83.3	163.7	269.4	388.7	523.6	674.2
30°	0.0	1.4	5.4	16.6	39.1	91.4	180.5	291.6	419.1	557.9	717.2
27.5°	0.0	1.4	5.7	17.8	43.3	99.8	196.0	313.0	450.5	592.3	756.9
25°	0.0	1.5	6.1	18.9	47.3	109.5	210.2	332.8	478.1	624.5	785.2
22.5°	0.0	1.5	6.4	19.9	51.5	118.4	223.0	350.6	497.6	654.2	811.5
20°	0.0	1.6	6.7	20.9	55.3	126.4	235.0	366.0	515.4	680.9	840.7
17.5°	0.0	1.6	6.9	21.7	58.7	133.5	246.6	379.3	531.9	704.8	865.7
15°	0.0	1.6	7.2	22.5	61.7	140.3	256.8	390.6	548.6	725.5	887.9
12.5°	0.0	1.7	7.4	23.2	64.2	146.7	265.4	401.2	562.3	743.1	909.4
10°	0.0	1.7	7.5	23.8	66.3	152.0	272.5	411.7	573.2	755.4	926.5
7.5°	0.0	1.7	7.7	24.3	67.9	156.1	278.0	419.6	581.3	764.2	939.3
5°	0.0	1.7	7.8	24.7	69.1	159.1	282.0	425.0	586.6	770.4	947.6
2.5°	0.0	1.7	7.9	25.0	69.9	161.0	284.3	427.9	589.3	773.8	951.6
0°	0.0	1.7	7.9	25.1	70.2	161.7	285.0	428.3	589.4	774.4	951.3
-2.5°	0.0	1.8	8.0	25.4	70.7	162.3	285.0	428.6	589.8	773.8	951.5
-5°	0.0	1.8	8.1	25.5	70.8	161.8	283.4	426.4	587.7	770.3	947.5
-7.5°	0.0	1.8	8.1	25.5	70.4	160.3	280.3	421.8	582.9	763.9	939.2
-10°	0.0	1.8	8.1	25.4	69.5	157.6	275.7	414.9	575.5	754.7	926.6
-12.5°	0.0	1.8	8.0	25.2	68.2	153.9	269.7	405.8	565.3	742.0	909.7
-15°	0.0	1.8	8.0	24.8	66.4	149.1	262.3	396.3	552.4	724.7	888.7
-17.5°	0.0	1.8	7.8	24.3	64.1	143.8	253.6	386.2	536.7	704.4	867.1
-20°	0.0	1.7	7.6	23.6	61.3	137.9	243.5	374.0	520.2	681.3	842.7



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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	1.7	7.4	22.9	58.1	131.0	233.4	359.8	502.0	656.1	814.1
-25°	0.0	1.7	7.2	22.2	54.4	123.1	222.6	342.6	481.8	628.6	785.5
-27.5°	0.0	1.7	6.9	21.4	50.9	114.3	210.6	322.9	457.0	598.7	754.2
-30°	0.0	1.6	6.5	20.4	47.2	106.2	197.6	301.3	429.8	566.0	716.2
-32.5°	0.0	1.6	6.1	19.4	43.1	98.1	183.4	281.4	402.6	532.4	676.0
-35°	0.0	1.5	5.6	18.3	38.6	89.4	168.3	261.5	375.1	501.3	634.7
-37.5°	0.0	1.5	5.2	17.1	34.5	80.6	152.5	241.4	344.8	466.2	589.0
-40°	0.0	1.4	4.9	15.8	32.1	72.6	136.5	221.3	312.1	427.5	541.9
-42.5°	0.0	1.4	4.6	14.4	29.5	64.1	119.3	200.1	283.4	386.9	500.3
-45°	0.0	1.4	4.3	12.9	26.6	55.8	105.8	177.9	256.6	344.6	449.4
-47.5°	0.0	1.4	3.9	11.3	24.3	47.7	91.7	155.0	230.1	301.7	396.8
-50°	0.0	1.3	3.5	10.1	22.2	39.2	79.2	131.3	201.4	268.7	346.3
-52.5°	0.0	1.3	3.2	8.9	19.9	34.5	66.5	111.7	171.7	235.1	297.8
-55°	0.0	1.2	2.9	7.7	17.5	29.5	54.6	93.4	141.2	200.6	259.4
-57.5°	0.0	1.2	2.7	6.4	15.1	25.8	42.5	77.1	114.6	165.2	220.1
-60°	0.0	1.1	2.5	5.6	12.5	22.6	35.4	60.8	91.9	129.0	179.8
-62.5°	0.0	1.1	2.2	4.9	10.5	19.3	28.8	45.1	72.1	101.4	138.7
-65°	0.0	1.0	2.0	4.1	8.3	15.9	24.7	35.5	53.8	78.1	104.8
-67.5°	0.0	0.9	1.8	3.5	6.6	12.6	20.5	28.2	39.7	57.3	78.4
-70°	0.0	0.8	1.6	3.0	5.4	9.4	16.2	22.9	29.8	40.7	55.8
-72.5°	0.0	0.7	1.5	2.5	4.2	7.1	11.9	17.8	23.2	29.5	38.4
-75°	0.0	0.6	1.3	2.1	3.5	5.4	8.1	12.7	17.5	22.0	27.0
-77.5°	0.0	0.5	1.2	1.8	2.8	4.2	6.0	8.5	11.9	15.9	19.6
-80°	0.0	0.4	1.0	1.5	2.2	3.1	4.4	5.7	7.8	10.2	13.1
-82.5°	0.0	0.3	0.7	1.2	1.7	2.3	3.0	3.9	5.0	6.2	7.8
-85°	0.0	0.2	0.5	0.8	1.1	1.5	2.0	2.5	3.0	3.6	4.4
-87.5°	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	2.0
-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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 CATALOG NUMBER: LSF65-XX-PC-45W-7050

**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	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
82.5°	1.0	0.9	1.0	1.6	2.0	2.2	2.2	2.5	3.1	3.6	4.1
80°	3.5	4.4	5.2	5.9	6.6	7.2	7.8	8.5	9.9	11.0	11.9
77.5°	7.1	8.5	9.7	11.1	13.2	15.2	17.7	20.0	22.2	24.4	26.3
75°	11.5	14.2	17.1	21.1	25.2	31.2	35.5	43.4	50.9	56.1	58.8
72.5°	18.4	24.3	32.1	42.2	52.8	63.9	75.6	85.4	91.8	99.8	105.2
70°	33.1	46.7	59.9	75.5	92.4	110.6	128.3	148.2	166.5	185.5	213.0
67.5°	57.7	73.7	96.7	124.2	149.5	178.4	209.4	247.5	276.6	296.6	340.4
65°	85.2	115.3	151.3	182.6	230.4	273.6	310.3	357.0	415.0	446.5	475.1
62.5°	126.1	168.0	215.2	271.3	319.1	372.1	443.5	490.3	523.0	574.9	629.8
60°	175.4	230.3	294.3	352.6	430.5	499.2	551.5	611.1	676.3	742.1	805.7
57.5°	230.0	299.7	368.5	466.8	540.8	606.6	680.0	753.6	828.9	915.8	996.5
55°	292.2	366.6	470.9	565.8	646.5	727.5	807.2	890.9	1004.4	1095.1	1140.5
52.5°	350.3	452.6	553.6	659.7	754.8	839.4	936.6	1053.8	1138.4	1203.0	1257.6
50°	416.7	526.8	638.0	750.7	852.7	957.4	1080.4	1165.7	1234.8	1299.6	1359.6
47.5°	490.0	599.2	719.6	831.8	950.5	1085.4	1176.7	1251.7	1321.1	1392.9	1460.6
45°	543.8	671.5	794.4	910.4	1062.0	1173.6	1254.8	1328.8	1415.4	1492.5	1575.5
42.5°	607.1	740.7	860.7	1013.5	1140.4	1243.4	1323.7	1422.9	1507.4	1592.3	1677.5
40°	667.5	799.1	937.5	1089.0	1206.0	1301.7	1412.7	1507.5	1590.5	1677.3	1752.8
37.5°	724.7	854.6	1017.1	1146.7	1261.1	1368.8	1488.5	1576.7	1663.0	1744.8	1817.1
35°	774.6	917.7	1073.7	1207.0	1312.2	1435.5	1542.9	1634.9	1725.2	1805.0	1884.4
32.5°	812.2	984.4	1120.3	1251.5	1368.7	1485.5	1593.7	1691.9	1779.5	1868.9	1941.2
30°	860.5	1027.9	1173.0	1295.1	1416.0	1535.4	1644.7	1740.2	1835.9	1920.8	1996.1
27.5°	908.3	1064.8	1214.4	1336.3	1453.8	1582.5	1689.7	1786.2	1882.9	1964.9	2045.2
25°	955.1	1101.9	1248.0	1370.3	1494.4	1624.3	1728.5	1827.5	1917.6	2005.5	2086.6
22.5°	991.9	1143.5	1281.6	1396.4	1536.9	1659.6	1764.3	1860.7	1952.0	2040.9	2118.2
20°	1020.8	1180.3	1309.5	1425.9	1575.0	1690.0	1793.5	1889.1	1981.0	2069.4	2149.8
17.5°	1046.6	1203.5	1333.1	1454.6	1603.3	1716.4	1814.8	1914.0	2007.4	2095.3	2177.7
15°	1067.5	1223.8	1353.2	1483.8	1627.8	1738.6	1836.1	1934.4	2028.2	2118.7	2201.0
12.5°	1085.0	1240.6	1370.3	1506.6	1646.1	1756.1	1856.2	1954.7	2047.2	2138.6	2217.2
10°	1099.7	1253.5	1384.7	1524.3	1660.6	1769.1	1873.4	1971.8	2065.8	2156.7	2232.1
7.5°	1112.5	1262.8	1395.4	1537.2	1670.8	1779.3	1886.1	1985.0	2079.5	2169.0	2243.7
5°	1121.1	1268.5	1402.4	1545.2	1676.8	1786.7	1894.2	1993.5	2088.3	2177.2	2251.1
2.5°	1125.4	1270.8	1405.9	1548.3	1678.9	1790.5	1898.3	1997.4	2092.6	2181.1	2254.5
0°	1125.6	1269.7	1406.0	1546.5	1677.4	1790.1	1898.4	1997.0	2092.4	2180.8	2253.7
-2.5°	1124.5	1268.9	1405.0	1545.3	1676.5	1789.5	1897.5	1996.5	2092.1	2180.5	2254.2
-5°	1119.6	1264.9	1400.6	1539.4	1672.2	1784.7	1892.4	1991.8	2087.4	2175.9	2250.8
-7.5°	1110.9	1257.5	1392.6	1529.0	1664.3	1776.1	1883.3	1982.7	2078.3	2166.9	2243.7
-10°	1098.4	1246.7	1380.9	1514.1	1652.3	1764.2	1869.7	1968.9	2064.6	2153.7	2232.9
-12.5°	1083.8	1232.5	1364.5	1495.0	1635.6	1748.4	1851.7	1951.0	2046.4	2135.5	2215.0
-15°	1066.2	1214.5	1344.8	1473.2	1615.0	1725.0	1830.7	1929.7	2021.5	2107.4	2184.5
-17.5°	1045.5	1192.8	1321.6	1446.9	1584.7	1697.4	1806.3	1901.0	1989.3	2072.8	2150.0
-20°	1019.8	1168.1	1294.8	1418.6	1550.4	1667.6	1773.0	1865.5	1953.1	2036.2	2111.8



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 CATALOG NUMBER: LSF65-XX-PC-45W-7050

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	990.9	1135.2	1264.5	1387.5	1509.6	1628.3	1728.8	1824.1	1915.1	1996.4	2067.2
-25°	954.8	1099.0	1230.7	1348.8	1465.4	1582.7	1678.2	1780.3	1870.2	1950.4	2023.5
-27.5°	909.6	1062.6	1189.8	1303.8	1419.4	1532.4	1631.2	1725.6	1816.6	1902.2	1972.5
-30°	863.4	1020.4	1143.9	1253.7	1370.4	1480.6	1578.9	1663.2	1759.1	1842.0	1911.6
-32.5°	815.0	974.0	1091.5	1202.2	1312.7	1423.8	1522.6	1605.9	1688.0	1775.4	1845.5
-35°	771.4	911.3	1040.6	1149.7	1247.7	1361.8	1463.8	1546.4	1620.7	1699.5	1773.2
-37.5°	721.3	851.6	986.4	1089.4	1186.0	1287.5	1396.3	1485.2	1555.8	1624.5	1695.1
-40°	668.2	794.3	919.2	1030.5	1123.7	1210.7	1315.3	1411.1	1487.9	1553.1	1615.5
-42.5°	615.3	733.6	852.3	967.3	1057.7	1140.8	1228.0	1327.9	1408.9	1478.3	1538.0
-45°	558.4	669.8	784.9	891.3	990.2	1071.8	1153.9	1236.5	1323.4	1392.6	1455.8
-47.5°	505.8	608.8	710.6	821.0	913.7	999.3	1078.5	1155.5	1231.0	1305.5	1364.3
-50°	440.2	545.0	641.4	737.9	837.8	912.0	994.7	1071.5	1143.3	1211.8	1276.0
-52.5°	377.9	476.4	571.9	658.0	741.4	817.3	891.4	975.5	1047.2	1116.3	1173.6
-55°	321.4	396.9	497.9	584.1	651.0	718.4	781.5	848.0	941.4	1002.5	1055.8
-57.5°	274.0	332.5	401.9	497.9	568.5	626.4	681.2	734.2	784.4	860.0	929.4
-60°	230.0	278.6	330.9	390.7	465.5	534.8	589.0	634.3	677.7	715.2	766.2
-62.5°	184.8	230.1	273.8	316.9	364.3	417.6	479.0	540.5	578.9	611.8	645.0
-65°	138.8	180.0	220.4	254.3	292.4	330.3	367.5	408.7	454.0	508.1	536.4
-67.5°	101.0	129.2	164.9	196.2	224.6	253.6	292.3	320.6	346.3	369.1	407.0
-70°	73.5	91.5	113.6	138.1	164.3	188.0	209.1	227.8	262.9	291.1	306.2
-72.5°	49.9	64.7	78.1	90.4	107.8	126.1	145.8	163.3	178.9	194.9	211.8
-75°	33.4	42.5	50.9	60.5	69.6	78.7	87.8	101.1	112.6	123.5	132.8
-77.5°	22.9	27.1	32.0	36.8	42.4	47.3	53.9	59.8	64.9	69.8	74.5
-80°	16.1	18.9	21.2	23.3	25.5	28.5	30.9	33.1	36.4	39.1	41.3
-82.5°	9.7	11.9	13.6	15.2	16.7	18.2	19.7	21.1	22.2	23.3	24.3
-85°	5.2	6.1	6.8	7.5	8.3	9.3	10.3	11.2	12.0	12.7	13.4
-87.5°	2.3	2.7	3.0	3.3	3.5	3.8	4.1	4.3	4.5	4.6	4.7
-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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CATALOG NUMBER: LSF65-XX-PC-45W-7050

**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°	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
85°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2
82.5°	4.6	5.0	5.4	5.5	5.6	5.6	5.6	5.6	5.5	5.6	5.7
80°	12.9	13.9	14.8	15.6	16.3	17.1	17.6	18.1	18.3	18.7	18.9
77.5°	29.4	31.6	32.2	33.3	34.7	35.9	36.9	37.7	38.3	39.0	39.6
75°	59.6	58.6	55.8	56.7	61.0	66.2	73.4	81.1	86.5	86.3	83.8
72.5°	110.4	118.2	127.4	144.7	158.9	164.5	162.9	157.6	149.1	152.8	163.4
70°	231.4	242.6	259.0	277.1	292.5	300.7	306.3	309.9	314.8	323.0	333.3
67.5°	370.1	388.3	412.1	441.1	450.2	450.9	457.3	481.6	498.3	513.8	523.0
65°	507.6	529.6	577.4	636.0	657.6	675.3	689.2	699.1	704.9	713.3	726.1
62.5°	690.3	737.4	779.4	815.2	841.3	859.1	865.9	864.7	859.7	859.8	874.4
60°	866.1	923.6	961.7	982.7	990.2	1011.5	1051.5	1083.0	1099.6	1105.9	1118.6
57.5°	1049.6	1074.3	1089.3	1127.9	1189.2	1236.6	1253.4	1254.1	1264.5	1288.7	1313.2
55°	1168.6	1221.0	1288.2	1345.4	1387.6	1408.5	1438.4	1473.6	1502.2	1528.7	1542.9
52.5°	1313.6	1369.2	1419.1	1464.0	1501.6	1536.8	1568.8	1599.0	1626.9	1650.0	1667.4
50°	1418.7	1478.7	1534.4	1579.2	1609.1	1642.1	1679.4	1712.2	1740.1	1760.8	1777.9
47.5°	1534.7	1604.5	1650.7	1686.7	1719.0	1758.2	1804.9	1841.6	1864.6	1880.2	1897.6
45°	1661.3	1710.5	1750.7	1792.6	1848.1	1905.9	1941.0	1967.8	1996.2	2026.5	2053.6
42.5°	1749.2	1798.4	1846.5	1906.4	1961.5	2003.9	2039.3	2073.8	2104.9	2132.1	2155.7
40°	1817.4	1876.3	1937.8	1992.6	2037.4	2078.7	2112.6	2152.9	2186.6	2210.6	2229.5
37.5°	1887.0	1952.6	2010.2	2057.8	2102.2	2150.7	2197.7	2230.6	2261.6	2288.9	2312.7
35°	1953.0	2016.0	2067.5	2121.1	2175.8	2220.7	2266.0	2300.6	2332.4	2360.6	2380.3
32.5°	2011.9	2071.1	2128.4	2183.2	2238.1	2284.9	2327.8	2364.5	2395.9	2423.2	2446.8
30°	2063.9	2125.0	2183.3	2242.7	2295.5	2347.3	2386.2	2426.8	2461.7	2487.9	2509.8
27.5°	2111.4	2174.0	2237.1	2294.0	2352.5	2396.0	2443.9	2482.4	2517.3	2542.1	2567.8
25°	2154.1	2220.6	2280.6	2339.0	2392.8	2447.6	2489.6	2528.8	2565.8	2594.9	2616.9
22.5°	2191.5	2258.6	2315.3	2374.0	2432.4	2484.7	2531.1	2569.6	2604.8	2635.3	2658.5
20°	2224.5	2286.3	2346.2	2406.3	2464.1	2515.7	2562.9	2604.1	2640.7	2668.6	2693.1
17.5°	2249.5	2311.4	2372.9	2434.0	2489.0	2542.8	2591.8	2634.8	2672.0	2698.9	2720.8
15°	2270.1	2334.1	2395.4	2457.9	2511.5	2568.7	2617.9	2661.0	2696.3	2725.2	2745.2
12.5°	2287.5	2351.3	2416.9	2476.0	2536.9	2589.9	2637.8	2682.5	2718.1	2744.9	2771.1
10°	2301.8	2364.3	2432.5	2496.6	2553.5	2606.6	2655.8	2697.6	2730.1	2764.9	2786.0
7.5°	2314.1	2377.9	2444.7	2510.9	2569.2	2618.4	2667.6	2711.7	2746.2	2777.1	2800.4
5°	2322.6	2389.3	2454.4	2519.9	2576.4	2628.7	2674.4	2719.8	2752.0	2781.2	2805.0
2.5°	2327.6	2396.4	2459.8	2523.9	2580.3	2634.6	2681.6	2723.0	2757.7	2785.5	2810.9
0°	2328.5	2398.3	2460.6	2523.9	2580.3	2634.2	2680.9	2723.1	2760.9	2791.3	2815.2
-2.5°	2327.0	2396.2	2459.9	2521.5	2579.1	2632.4	2678.6	2720.7	2756.3	2785.0	2811.9
-5°	2321.4	2389.5	2454.0	2513.6	2573.1	2624.7	2670.4	2712.8	2746.6	2775.4	2801.3
-7.5°	2311.8	2378.1	2442.8	2502.4	2562.2	2611.2	2660.1	2702.4	2735.8	2762.9	2787.3
-10°	2298.6	2361.3	2425.6	2487.2	2543.3	2593.7	2644.9	2686.4	2717.5	2743.6	2768.1
-12.5°	2278.2	2337.7	2401.7	2463.7	2518.5	2572.8	2620.5	2660.2	2692.8	2716.4	2739.5
-15°	2251.5	2309.5	2371.3	2434.4	2491.5	2542.3	2585.9	2627.9	2662.1	2686.2	2706.8
-17.5°	2220.2	2277.4	2334.9	2397.7	2453.7	2503.4	2549.3	2588.7	2620.8	2646.2	2665.1
-20°	2181.5	2241.7	2295.5	2353.0	2409.8	2460.3	2504.0	2542.6	2575.6	2599.5	2621.6



REPORT NUMBER: P622923 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	2136.6	2200.8	2254.4	2306.4	2358.6	2409.7	2454.2	2490.7	2521.4	2549.6	2572.8
-25°	2087.5	2149.5	2208.0	2258.8	2307.0	2352.4	2396.6	2433.5	2462.2	2492.4	2517.5
-27.5°	2029.9	2090.2	2150.3	2204.8	2252.4	2295.9	2337.9	2373.8	2401.0	2431.3	2454.4
-30°	1971.1	2024.8	2082.1	2138.8	2188.9	2231.0	2270.7	2309.6	2340.6	2363.7	2386.0
-32.5°	1904.6	1957.5	2008.4	2061.2	2114.4	2158.6	2195.4	2229.2	2261.2	2286.5	2304.2
-35°	1833.9	1885.7	1932.2	1983.9	2032.1	2078.6	2114.9	2147.0	2176.4	2200.3	2218.3
-37.5°	1758.2	1809.6	1858.9	1905.5	1950.6	1994.3	2030.3	2063.6	2090.7	2116.5	2135.1
-40°	1676.7	1731.9	1780.3	1827.0	1868.9	1904.4	1942.1	1975.4	2001.1	2023.1	2040.5
-42.5°	1593.9	1647.3	1697.1	1741.4	1781.9	1818.9	1852.8	1881.1	1907.6	1930.1	1946.8
-45°	1510.8	1561.0	1608.0	1650.8	1687.8	1723.9	1759.6	1789.7	1814.7	1834.1	1850.2
-47.5°	1419.3	1472.0	1516.7	1557.1	1594.3	1627.7	1661.4	1691.6	1719.4	1740.6	1756.1
-50°	1325.3	1370.8	1418.2	1460.3	1495.6	1528.5	1560.5	1589.8	1615.7	1638.6	1655.2
-52.5°	1227.6	1275.4	1313.1	1349.8	1386.5	1422.4	1453.2	1479.5	1503.2	1522.9	1538.8
-55°	1091.7	1143.9	1202.6	1246.0	1274.8	1297.0	1328.9	1361.3	1383.6	1401.5	1416.6
-57.5°	961.4	991.4	1018.7	1061.8	1116.4	1151.9	1165.6	1172.3	1188.0	1213.3	1235.9
-60°	820.8	867.8	887.5	901.4	922.9	954.4	979.9	1005.1	1016.8	1021.2	1034.1
-62.5°	682.9	724.6	759.3	783.5	806.5	831.7	850.8	867.5	881.6	893.7	904.8
-65°	558.9	579.3	608.3	641.2	667.7	684.7	691.5	698.0	708.1	729.2	746.3
-67.5°	443.9	470.0	485.7	499.2	518.0	534.0	547.7	559.1	563.9	569.3	577.8
-70°	320.1	332.5	353.0	382.6	401.9	406.3	408.9	411.2	422.7	436.1	445.2
-72.5°	232.6	252.6	266.8	272.0	275.6	280.9	290.1	300.5	311.4	317.5	318.9
-75°	142.9	154.4	166.2	176.5	184.2	189.8	193.4	195.1	195.1	198.2	201.3
-77.5°	80.0	84.6	87.6	90.1	93.5	96.0	97.8	98.7	99.9	104.1	107.7
-80°	43.5	45.1	45.8	47.1	48.8	50.8	51.9	52.3	51.9	52.4	52.8
-82.5°	25.5	26.7	27.7	28.6	29.4	30.0	30.5	31.0	31.4	31.8	32.1
-85°	14.1	14.6	15.2	15.5	15.8	16.1	16.3	16.5	16.6	16.8	17.0
-87.5°	4.8	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.5	5.5	5.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622923 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF65-XX-PC-45W-7050

**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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	5.7	5.6	5.5	5.4	5.4	5.4	5.3	5.2	5.0	4.8	4.9
80°	19.0	19.0	18.9	18.6	18.7	18.6	18.4	18.1	17.7	17.2	16.8
77.5°	40.0	40.1	40.0	39.6	39.7	39.6	39.3	38.7	37.9	36.9	36.1
75°	79.9	75.0	69.3	63.0	67.2	71.0	74.2	76.5	77.8	77.9	77.0
72.5°	170.4	174.1	175.0	173.3	174.3	172.9	168.6	161.1	150.2	143.7	146.8
70°	341.7	347.7	350.8	350.5	349.8	345.4	337.2	325.6	310.5	296.0	284.1
67.5°	527.1	527.9	525.1	518.5	524.3	526.4	524.9	520.2	509.9	490.1	469.6
65°	735.5	741.1	742.7	740.0	741.2	738.3	731.4	720.9	707.1	694.7	682.4
62.5°	894.1	900.9	897.4	886.9	894.5	894.9	884.8	861.3	844.7	845.4	851.3
60°	1128.4	1135.3	1139.1	1139.6	1137.8	1132.7	1124.5	1113.2	1099.1	1087.8	1068.7
57.5°	1324.6	1329.4	1326.7	1315.3	1323.2	1322.1	1312.4	1296.1	1271.7	1251.6	1241.3
55°	1555.4	1565.4	1572.0	1574.3	1571.8	1564.7	1553.7	1539.6	1522.9	1492.6	1460.9
52.5°	1680.2	1689.1	1694.1	1695.2	1692.5	1686.0	1675.9	1661.5	1642.4	1618.9	1591.9
50°	1792.4	1802.9	1809.4	1811.6	1809.0	1802.2	1791.3	1776.2	1757.1	1732.7	1703.3
47.5°	1915.8	1929.0	1934.9	1934.6	1933.8	1926.8	1912.5	1892.7	1873.7	1857.0	1831.4
45°	2070.1	2083.1	2091.3	2093.4	2090.5	2081.6	2068.2	2051.8	2022.8	1992.0	1962.1
42.5°	2171.5	2182.2	2189.4	2193.1	2188.6	2180.4	2168.7	2152.9	2129.1	2099.0	2065.1
40°	2244.8	2255.5	2261.8	2264.2	2261.5	2254.6	2243.1	2226.6	2206.6	2179.7	2145.7
37.5°	2329.8	2341.7	2349.1	2352.3	2349.5	2343.1	2332.4	2314.4	2287.5	2255.1	2228.1
35°	2396.1	2409.0	2418.5	2424.2	2419.4	2410.8	2398.7	2382.0	2359.1	2330.6	2296.9
32.5°	2465.1	2478.5	2487.1	2491.8	2486.9	2477.8	2464.7	2446.7	2421.7	2394.9	2363.7
30°	2528.7	2540.6	2548.4	2551.9	2549.7	2542.1	2528.3	2508.3	2484.6	2458.5	2420.9
27.5°	2587.5	2600.4	2606.7	2609.0	2606.5	2600.1	2586.6	2567.3	2544.8	2516.3	2476.8
25°	2633.8	2648.3	2656.9	2660.5	2657.3	2650.2	2637.7	2616.4	2590.7	2564.0	2527.5
22.5°	2677.4	2691.1	2699.2	2703.4	2700.5	2693.9	2677.7	2658.8	2634.8	2603.4	2565.9
20°	2712.6	2727.3	2731.3	2732.3	2730.7	2726.9	2713.7	2692.8	2666.7	2635.2	2600.6
17.5°	2737.0	2752.9	2759.5	2762.1	2759.9	2754.2	2742.2	2722.1	2697.4	2663.0	2625.8
15°	2763.3	2778.5	2788.9	2790.5	2787.7	2780.5	2769.0	2746.9	2722.3	2693.1	2652.5
12.5°	2788.2	2801.0	2809.4	2811.9	2809.7	2802.1	2791.8	2772.1	2740.5	2712.4	2675.9
10°	2806.0	2820.4	2829.1	2829.2	2825.9	2821.1	2809.0	2789.6	2763.6	2727.5	2694.1
7.5°	2821.6	2836.8	2845.0	2845.2	2839.7	2834.4	2821.0	2802.9	2777.0	2744.8	2705.3
5°	2825.0	2840.8	2849.6	2849.2	2848.6	2844.2	2826.8	2810.1	2784.9	2752.0	2713.8
2.5°	2828.4	2840.6	2850.4	2856.3	2854.3	2844.5	2830.9	2812.3	2788.2	2759.2	2718.5
0°	2833.0	2846.0	2856.8	2855.9	2853.4	2843.5	2830.0	2814.2	2787.7	2762.4	2718.2
-2.5°	2828.3	2840.7	2849.3	2846.4	2841.5	2837.3	2825.9	2804.7	2779.0	2751.6	2711.8
-5°	2821.6	2836.0	2839.2	2836.8	2836.0	2828.5	2818.2	2796.7	2771.0	2738.5	2702.2
-7.5°	2807.3	2820.2	2828.0	2823.7	2825.8	2818.5	2807.2	2784.4	2758.8	2726.4	2694.0
-10°	2787.0	2801.5	2808.2	2807.0	2807.3	2801.0	2785.7	2765.3	2740.4	2710.3	2676.6
-12.5°	2758.6	2771.9	2780.1	2782.7	2778.9	2773.0	2763.6	2739.7	2717.8	2686.6	2646.6
-15°	2723.8	2738.8	2746.9	2748.6	2745.4	2738.4	2725.4	2708.1	2684.3	2650.9	2614.1
-17.5°	2686.5	2702.7	2707.1	2706.4	2703.9	2698.2	2687.5	2670.5	2641.0	2612.6	2577.4
-20°	2642.1	2656.9	2663.2	2664.9	2661.3	2654.7	2642.4	2621.5	2599.0	2565.4	2531.0



REPORT NUMBER: P622923 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-45W-7050

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2593.1	2607.0	2612.4	2612.9	2612.1	2605.0	2593.3	2570.3	2542.7	2514.8	2483.5
-25°	2534.9	2546.4	2552.0	2551.9	2550.7	2544.2	2532.0	2509.3	2486.1	2461.1	2427.8
-27.5°	2474.1	2486.9	2493.4	2493.8	2489.9	2481.7	2468.3	2452.0	2431.3	2400.3	2367.3
-30°	2406.4	2418.5	2424.6	2424.6	2424.3	2418.6	2407.7	2385.9	2359.9	2332.4	2301.0
-32.5°	2317.8	2329.8	2336.3	2336.4	2336.3	2329.7	2317.4	2301.6	2280.4	2249.8	2213.7
-35°	2233.9	2246.6	2253.9	2255.6	2252.8	2244.3	2230.0	2212.4	2192.9	2166.3	2134.3
-37.5°	2149.0	2160.8	2168.1	2170.5	2167.8	2160.3	2148.1	2131.1	2109.4	2083.1	2054.8
-40°	2056.8	2069.0	2076.5	2079.1	2075.5	2067.0	2053.4	2035.3	2015.2	1991.8	1966.3
-42.5°	1962.2	1973.3	1980.0	1982.2	1978.1	1969.6	1956.8	1940.2	1922.9	1901.1	1874.4
-45°	1866.0	1877.7	1885.1	1888.1	1884.6	1877.1	1865.9	1851.5	1831.4	1806.8	1780.0
-47.5°	1768.5	1778.0	1783.6	1785.3	1781.9	1774.6	1763.4	1747.6	1728.4	1707.0	1682.5
-50°	1666.6	1674.2	1678.0	1677.9	1675.6	1669.4	1659.3	1645.3	1627.3	1605.6	1581.0
-52.5°	1550.8	1558.9	1562.9	1562.9	1560.9	1555.0	1545.2	1531.7	1515.0	1496.3	1472.9
-55°	1428.5	1436.9	1441.5	1442.3	1439.8	1433.2	1422.6	1407.8	1389.3	1371.5	1348.6
-57.5°	1247.0	1252.7	1252.5	1245.2	1250.3	1248.5	1241.3	1229.3	1204.4	1176.9	1158.3
-60°	1043.7	1049.9	1052.8	1052.2	1050.7	1045.9	1038.1	1027.3	1013.8	1008.3	995.4
-62.5°	913.1	918.4	920.8	920.4	919.3	915.3	908.3	898.1	885.8	873.9	860.3
-65°	755.5	757.8	754.0	745.1	752.6	754.9	751.3	740.8	722.6	700.8	691.0
-67.5°	584.3	588.6	590.8	590.9	590.5	588.0	583.4	576.6	567.7	559.3	550.6
-70°	448.7	447.5	442.6	434.7	441.2	444.9	444.9	440.6	431.0	417.4	405.8
-72.5°	320.2	320.9	320.6	318.7	320.1	320.0	318.9	317.3	315.7	308.5	295.6
-75°	203.3	204.2	204.0	202.8	202.9	202.0	200.0	197.0	192.9	188.7	186.5
-77.5°	110.1	111.5	111.8	111.3	111.2	110.3	108.3	105.3	101.3	96.6	94.7
-80°	53.0	53.1	52.9	52.6	52.6	52.4	52.0	51.4	50.7	49.8	49.0
-82.5°	32.2	32.3	32.3	32.1	32.1	32.0	31.7	31.4	30.9	30.4	29.7
-85°	17.1	17.2	17.2	17.1	17.1	17.0	16.9	16.7	16.4	16.1	15.7
-87.5°	5.5	5.5	5.5	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.4
-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: P622923 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF65-XX-PC-45W-7050

**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°	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	4.8	4.8	4.7	4.7	4.6	4.4	4.0	3.6	3.2	2.6	2.0
80°	16.2	15.5	14.6	13.8	12.9	12.0	10.9	10.0	9.5	8.9	8.1
77.5°	35.1	34.0	32.5	30.9	29.5	28.5	26.3	23.4	21.3	19.1	16.9
75°	75.3	73.0	70.0	66.3	62.2	58.2	54.1	50.8	47.8	43.1	37.2
72.5°	148.9	149.9	146.3	134.7	119.0	113.9	107.1	97.1	87.0	76.9	70.8
70°	282.5	281.4	278.6	258.6	234.3	219.6	209.5	190.9	168.0	146.4	121.8
67.5°	445.1	440.0	438.5	423.8	383.5	355.9	338.1	308.3	277.1	250.2	218.7
65°	666.9	648.3	627.0	602.9	555.7	513.2	485.9	447.7	416.0	368.6	326.4
62.5°	847.2	827.2	797.5	768.0	737.4	704.3	661.2	604.7	548.1	492.2	462.3
60°	1040.4	998.6	974.5	963.5	928.3	876.6	820.3	771.8	717.4	648.0	578.9
57.5°	1234.9	1210.3	1154.7	1105.6	1074.8	1052.8	1015.5	954.6	871.5	798.2	723.2
55°	1423.4	1393.5	1370.6	1321.9	1257.4	1190.7	1149.9	1115.1	1052.0	960.8	851.9
52.5°	1559.9	1523.6	1486.0	1447.8	1404.0	1351.9	1285.2	1231.7	1179.4	1105.8	1009.4
50°	1670.1	1633.4	1598.9	1563.8	1515.0	1458.4	1402.6	1341.3	1274.5	1211.9	1137.8
47.5°	1792.8	1746.2	1708.1	1674.6	1638.0	1585.9	1511.5	1439.7	1373.0	1297.7	1229.7
45°	1932.4	1893.4	1832.5	1779.3	1737.4	1695.9	1643.7	1552.8	1468.9	1389.8	1307.5
42.5°	2029.5	1998.7	1950.7	1893.3	1833.8	1784.5	1732.9	1660.2	1571.7	1484.0	1392.2
40°	2105.5	2067.4	2025.2	1980.7	1923.7	1864.9	1803.5	1736.2	1658.6	1570.9	1483.2
37.5°	2188.5	2141.9	2092.7	2045.8	1995.8	1937.1	1871.7	1802.4	1727.6	1643.1	1556.9
35°	2257.6	2218.2	2167.0	2111.7	2055.5	2002.1	1937.9	1866.3	1789.0	1707.4	1616.3
32.5°	2323.0	2278.6	2231.2	2178.3	2119.6	2057.9	1998.1	1926.6	1849.0	1761.9	1671.4
30°	2384.8	2341.1	2288.4	2234.8	2177.2	2115.9	2048.7	1982.9	1902.6	1815.6	1719.0
27.5°	2437.4	2394.7	2346.9	2285.2	2226.2	2165.3	2101.1	2028.3	1953.0	1861.0	1761.8
25°	2484.2	2441.1	2390.4	2333.5	2269.4	2206.7	2145.1	2074.4	1992.2	1901.4	1806.4
22.5°	2527.7	2478.9	2427.0	2372.0	2310.7	2245.0	2176.6	2108.7	2025.8	1940.9	1841.6
20°	2559.8	2513.6	2459.0	2402.2	2340.7	2277.1	2209.1	2138.0	2058.6	1969.8	1871.3
17.5°	2587.6	2540.8	2488.3	2428.1	2370.5	2304.9	2236.5	2162.0	2085.7	1995.9	1898.8
15°	2608.8	2563.4	2512.9	2456.4	2393.6	2329.5	2259.2	2185.8	2106.7	2017.9	1923.6
12.5°	2631.8	2584.2	2532.9	2475.1	2413.8	2349.7	2279.3	2204.4	2123.8	2036.3	1942.0
10°	2650.0	2602.2	2549.3	2493.6	2430.0	2362.6	2293.0	2219.9	2139.8	2053.2	1958.0
7.5°	2663.6	2615.5	2562.5	2505.1	2441.4	2374.9	2306.1	2231.5	2152.4	2065.5	1969.7
5°	2673.1	2623.3	2571.8	2513.7	2449.4	2382.1	2314.1	2239.5	2160.4	2072.9	1976.9
2.5°	2677.0	2627.0	2574.3	2518.0	2453.7	2384.9	2316.6	2243.3	2163.8	2076.4	1979.6
0°	2674.1	2625.3	2571.1	2517.5	2453.4	2383.0	2314.3	2242.6	2162.9	2075.4	1977.9
-2.5°	2672.7	2623.2	2568.4	2514.9	2451.3	2381.3	2313.5	2241.1	2161.0	2074.7	1978.3
-5°	2664.6	2615.3	2559.7	2509.4	2444.1	2374.5	2308.3	2235.1	2155.0	2069.8	1974.2
-7.5°	2650.2	2600.5	2544.1	2498.1	2432.2	2364.1	2298.6	2224.9	2145.3	2061.2	1965.5
-10°	2629.7	2582.4	2529.8	2479.0	2415.2	2350.4	2284.1	2210.8	2132.0	2046.9	1952.0
-12.5°	2605.3	2558.7	2512.2	2453.8	2391.4	2328.9	2262.4	2190.2	2113.4	2027.3	1934.3
-15°	2574.1	2532.2	2482.7	2426.5	2364.5	2300.3	2233.4	2160.5	2087.6	2005.8	1914.3
-17.5°	2536.2	2495.6	2444.3	2390.2	2332.2	2266.7	2199.8	2130.7	2058.2	1974.2	1878.4
-20°	2496.0	2449.0	2401.6	2350.7	2289.9	2227.7	2162.0	2091.6	2018.1	1936.4	1841.4



REPORT NUMBER: P622923 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-45W-7050

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2442.8	2400.7	2353.2	2302.5	2243.9	2182.7	2122.1	2053.0	1977.8	1893.2	1805.0
-25°	2389.7	2345.1	2303.1	2248.5	2193.8	2136.2	2068.6	2005.7	1932.2	1844.1	1759.6
-27.5°	2330.3	2290.8	2241.2	2192.6	2139.7	2076.7	2016.1	1951.9	1875.4	1798.1	1700.0
-30°	2259.1	2218.9	2177.2	2131.8	2071.8	2011.8	1953.5	1889.5	1819.5	1739.6	1641.5
-32.5°	2181.8	2146.4	2107.6	2053.3	1995.2	1943.5	1886.7	1822.1	1756.8	1668.5	1581.2
-35°	2104.5	2069.6	2023.3	1972.7	1920.6	1869.9	1813.5	1754.4	1679.5	1599.8	1517.1
-37.5°	2019.7	1983.7	1940.8	1893.6	1845.8	1791.5	1739.0	1674.8	1605.6	1531.2	1456.6
-40°	1931.1	1894.7	1856.3	1814.9	1763.6	1711.8	1656.8	1597.8	1531.7	1461.7	1384.8
-42.5°	1843.2	1808.3	1768.5	1726.0	1680.3	1630.3	1577.4	1519.5	1455.0	1386.7	1295.4
-45°	1748.1	1712.4	1677.6	1637.2	1595.1	1547.0	1495.3	1434.3	1372.6	1294.4	1218.5
-47.5°	1652.4	1618.9	1585.3	1547.4	1505.8	1458.4	1401.8	1346.2	1278.7	1211.9	1135.1
-50°	1553.0	1522.2	1489.4	1452.2	1405.8	1356.5	1306.8	1252.4	1192.0	1123.5	1044.6
-52.5°	1447.1	1416.5	1378.0	1337.3	1297.4	1252.7	1206.6	1154.2	1095.7	1021.9	954.9
-55°	1317.1	1286.0	1257.9	1224.6	1181.0	1124.4	1075.5	1030.2	982.8	921.0	830.7
-57.5°	1148.7	1132.8	1096.8	1045.9	1005.3	974.5	945.7	911.3	840.3	766.6	713.3
-60°	970.6	945.6	916.0	892.9	876.2	853.5	804.8	749.9	698.8	661.3	619.7
-62.5°	843.1	822.9	796.8	772.8	746.9	710.7	664.6	629.3	599.8	568.3	522.5
-65°	684.4	676.8	653.3	617.5	589.4	564.7	546.6	524.0	490.9	425.4	385.8
-67.5°	536.8	521.7	504.9	485.9	473.7	455.6	421.1	383.8	353.2	332.1	303.0
-70°	401.3	394.7	384.6	366.1	340.8	322.1	309.0	290.9	266.4	242.6	218.5
-72.5°	283.4	272.7	264.8	255.8	243.6	230.2	215.6	199.1	180.8	160.8	139.6
-75°	183.0	177.9	171.4	163.3	153.5	141.7	128.5	115.7	105.9	96.4	86.1
-77.5°	92.6	89.4	85.0	79.6	75.3	71.4	66.5	61.7	57.6	52.2	46.7
-80°	47.9	46.4	44.7	43.0	41.4	39.7	37.3	34.6	32.3	29.9	27.3
-82.5°	28.9	28.1	27.3	26.5	25.5	24.3	23.0	21.7	20.3	18.8	17.3
-85°	15.2	14.7	14.2	13.6	12.9	12.1	11.3	10.5	9.8	9.1	8.5
-87.5°	5.2	5.0	4.9	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.2
-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: P622923 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF65-XX-PC-45W-7050

**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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	1.6	1.5	1.5	1.2	0.7	0.6	0.6	0.6	0.5	0.5	0.5
80°	7.2	6.3	5.5	4.7	4.0	3.4	2.5	1.5	1.0	0.8	0.7
77.5°	14.8	12.5	11.0	9.2	7.8	6.7	5.7	4.5	3.3	1.9	1.1
75°	30.9	26.7	20.8	17.2	14.0	11.3	8.9	7.5	6.1	4.5	2.8
72.5°	63.0	54.9	46.1	36.7	26.7	19.0	14.7	11.3	8.8	7.0	5.0
70°	107.5	92.8	76.3	64.9	53.0	39.1	23.8	17.4	12.9	9.5	7.2
67.5°	186.9	154.6	128.8	105.1	80.1	64.0	46.8	29.0	18.7	13.3	9.5
65°	284.2	243.0	202.7	161.8	130.9	96.0	71.3	50.1	29.6	18.3	12.4
62.5°	399.4	341.6	288.8	239.7	190.8	146.7	105.6	73.3	48.6	25.4	16.2
60°	519.4	466.4	390.2	321.9	262.4	204.6	152.8	105.5	67.7	42.1	21.3
57.5°	644.5	571.4	511.6	423.5	337.9	269.1	205.6	147.5	96.7	58.7	30.8
55°	777.4	687.2	608.5	535.4	427.7	337.2	262.7	194.3	132.2	79.8	45.2
52.5°	896.6	809.6	709.7	620.6	525.7	412.7	321.7	244.2	172.1	107.3	59.3
50°	1037.5	916.5	821.1	705.2	601.5	496.4	384.8	293.4	214.5	138.8	75.4
47.5°	1149.1	1042.6	913.0	797.5	677.3	567.2	449.1	346.5	256.4	173.0	98.4
45°	1233.7	1145.0	1016.4	876.3	753.7	633.5	519.6	398.5	297.3	207.9	121.9
42.5°	1304.6	1221.3	1109.6	962.6	828.1	698.1	574.9	448.4	340.7	240.5	145.8
40°	1376.1	1282.7	1180.4	1054.7	895.5	762.8	630.8	505.4	384.8	271.7	171.2
37.5°	1459.8	1338.1	1240.7	1120.2	972.9	820.7	684.4	551.7	418.6	301.6	196.5
35°	1520.6	1404.4	1288.5	1180.3	1042.3	873.7	735.5	595.3	455.7	332.7	220.5
32.5°	1572.5	1463.2	1337.3	1229.4	1095.1	940.1	783.3	637.8	495.9	364.2	243.3
30°	1622.8	1507.7	1389.7	1268.1	1145.6	993.6	821.5	677.7	529.9	391.0	264.7
27.5°	1666.7	1556.1	1432.6	1307.3	1187.9	1037.5	862.0	715.0	560.1	413.5	284.9
25°	1702.7	1600.8	1467.1	1345.0	1222.7	1076.9	909.2	749.3	589.6	434.9	303.5
22.5°	1733.3	1635.7	1501.2	1377.0	1250.7	1114.7	948.2	780.6	617.3	459.4	321.5
20°	1764.5	1661.3	1542.7	1404.5	1277.9	1147.8	982.5	804.4	642.3	480.9	338.9
17.5°	1796.3	1685.6	1574.5	1428.8	1302.5	1172.4	1012.1	825.0	664.5	499.2	354.1
15°	1818.8	1706.0	1601.4	1449.9	1322.7	1193.6	1034.3	844.3	683.7	514.3	367.2
12.5°	1838.2	1721.9	1618.0	1468.2	1339.1	1209.1	1052.8	862.7	699.9	526.9	377.5
10°	1852.7	1738.0	1633.1	1485.2	1351.8	1220.2	1067.7	876.2	713.0	536.9	384.8
7.5°	1863.2	1750.2	1644.6	1496.1	1360.5	1228.2	1078.3	885.2	723.0	544.5	390.4
5°	1869.8	1756.9	1651.4	1501.6	1365.6	1233.1	1085.0	890.0	729.8	549.4	394.1
2.5°	1871.8	1758.7	1654.5	1501.9	1367.1	1234.8	1087.8	891.0	733.4	551.8	396.0
0°	1869.5	1755.9	1653.9	1497.7	1365.0	1233.3	1086.9	888.5	733.7	551.5	396.2
-2.5°	1870.0	1757.5	1652.4	1498.5	1365.6	1233.2	1087.2	891.1	734.2	552.1	397.0
-5°	1865.9	1754.6	1647.4	1495.2	1362.5	1229.8	1084.1	890.2	731.5	550.1	396.0
-7.5°	1856.9	1746.9	1638.8	1487.7	1355.6	1223.2	1077.5	885.6	725.8	545.6	393.0
-10°	1845.0	1733.7	1624.2	1475.9	1344.9	1213.4	1067.6	876.8	717.2	538.6	388.1
-12.5°	1830.1	1715.9	1603.0	1459.7	1329.8	1200.4	1053.6	863.5	705.5	529.2	381.0
-15°	1810.4	1694.7	1577.6	1440.7	1310.6	1183.4	1036.2	845.4	690.0	517.4	371.7
-17.5°	1785.8	1669.5	1547.8	1418.8	1288.1	1161.5	1015.7	826.9	671.2	503.3	360.3
-20°	1744.2	1640.4	1515.4	1392.1	1263.1	1136.9	986.0	807.2	649.3	487.3	347.2



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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°	1699.0	1597.3	1476.4	1360.8	1234.9	1108.7	950.2	784.9	623.7	469.1	332.4
-25°	1653.5	1549.2	1437.2	1318.0	1203.9	1077.7	910.5	757.6	594.7	448.8	316.3
-27.5°	1605.4	1499.5	1393.1	1273.5	1163.2	1042.3	864.1	728.4	564.7	426.6	298.8
-30°	1548.3	1450.5	1338.9	1228.0	1118.5	993.6	825.5	690.5	536.4	401.7	279.6
-32.5°	1491.1	1397.1	1280.2	1178.1	1070.3	936.8	789.8	649.0	506.2	375.8	259.1
-35°	1435.5	1327.4	1225.6	1124.0	1019.2	872.5	748.0	602.8	474.0	350.0	237.1
-37.5°	1363.7	1258.1	1163.5	1066.5	956.9	822.6	696.9	560.0	438.2	322.7	215.9
-40°	1279.9	1191.3	1099.5	1008.4	888.6	769.2	641.6	518.6	398.1	293.7	197.0
-42.5°	1210.5	1118.4	1034.0	940.7	827.6	707.3	586.0	473.1	362.4	263.1	177.2
-45°	1132.9	1046.4	967.6	869.8	757.3	644.4	534.8	421.5	324.9	230.9	156.8
-47.5°	1052.9	977.3	897.3	797.1	684.3	583.0	477.1	372.1	285.8	206.3	135.7
-50°	973.4	895.1	817.6	707.6	617.6	519.3	413.4	326.6	246.0	179.4	113.9
-52.5°	874.3	797.8	710.3	635.8	547.9	446.7	356.1	281.0	211.2	151.3	94.9
-55°	761.1	692.1	630.9	560.5	464.9	374.7	303.7	236.0	177.7	123.3	76.4
-57.5°	661.0	609.4	546.0	463.8	380.7	314.2	253.6	196.4	143.6	97.8	59.6
-60°	573.5	510.4	435.5	371.0	312.8	259.4	206.4	155.7	112.2	74.9	44.9
-62.5°	448.9	394.8	346.4	298.6	254.5	206.6	159.3	120.1	84.7	54.8	32.4
-65°	350.7	312.8	272.1	235.9	195.9	152.8	119.7	88.3	61.3	39.5	27.1
-67.5°	267.6	237.6	205.3	171.0	137.4	112.2	84.8	61.9	42.7	29.5	21.8
-70°	192.8	165.4	136.5	117.8	97.3	75.6	57.3	41.6	30.1	22.9	16.6
-72.5°	122.0	107.9	92.1	75.3	62.6	49.8	36.7	28.4	22.3	17.1	11.4
-75°	74.1	64.5	54.8	46.6	37.9	30.9	24.4	20.5	16.1	11.4	8.1
-77.5°	41.7	36.1	32.2	27.3	23.8	20.8	17.5	13.9	10.5	7.8	5.7
-80°	25.1	23.0	20.8	18.6	16.2	13.8	11.1	8.6	6.7	5.2	3.8
-82.5°	15.7	14.1	12.4	10.6	8.8	7.6	6.4	5.2	4.2	3.3	2.6
-85°	7.6	6.8	6.0	5.3	4.7	4.1	3.4	2.8	2.3	1.9	1.6
-87.5°	2.9	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.1	0.9	0.7
-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):**

	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°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.3	0.2	0.2	0.1	0.0
82.5°	0.5	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.6	0.6	0.5	0.4	0.3	0.2	0.0
77.5°	0.9	0.7	0.7	0.5	0.4	0.2	0.0
75°	1.3	1.0	0.8	0.6	0.5	0.2	0.0
72.5°	2.9	1.4	0.9	0.7	0.5	0.3	0.0
70°	4.9	2.4	1.3	0.9	0.6	0.3	0.0
67.5°	6.8	4.0	1.7	1.0	0.7	0.4	0.0
65°	8.7	5.6	2.5	1.2	0.8	0.4	0.0
62.5°	10.7	7.1	3.7	1.5	0.8	0.4	0.0
60°	13.6	8.7	5.0	1.8	0.9	0.5	0.0
57.5°	16.7	10.4	6.1	2.1	1.0	0.5	0.0
55°	22.1	12.3	7.3	3.0	1.1	0.5	0.0
52.5°	28.5	14.8	8.4	3.8	1.2	0.6	0.0
50°	40.0	17.1	9.7	4.6	1.4	0.6	0.0
47.5°	51.2	22.4	11.0	5.4	1.6	0.6	0.0
45°	62.0	27.6	12.3	6.2	1.7	0.7	0.0
42.5°	72.4	34.5	14.0	6.9	1.9	0.7	0.0
40°	89.4	42.6	15.7	7.6	2.1	0.7	0.0
37.5°	105.4	50.4	17.2	8.2	2.2	0.8	0.0
35°	121.9	57.8	20.5	9.0	2.6	0.8	0.0
32.5°	138.3	64.7	24.5	9.7	3.0	0.8	0.0
30°	153.6	71.3	28.4	10.5	3.3	0.9	0.0
27.5°	169.4	78.4	32.1	11.1	3.7	0.9	0.0
25°	184.0	87.7	36.0	11.8	4.0	0.9	0.0
22.5°	197.0	96.2	40.1	12.4	4.3	0.9	0.0
20°	208.9	103.8	43.8	13.0	4.5	1.0	0.0
17.5°	220.0	110.5	47.2	13.6	4.8	1.0	0.0
15°	229.7	116.9	50.2	14.1	5.0	1.0	0.0
12.5°	237.8	122.8	52.7	14.6	5.2	1.0	0.0
10°	244.3	127.6	54.9	15.0	5.3	1.0	0.0
7.5°	249.4	131.5	56.7	15.3	5.4	1.0	0.0
5°	252.9	134.3	58.1	15.6	5.5	1.0	0.0
2.5°	254.9	136.1	59.1	15.7	5.6	1.0	0.0
0°	255.4	136.8	59.7	15.8	5.6	1.0	0.0
-2.5°	256.1	137.6	60.1	16.0	5.6	1.1	0.0
-5°	255.2	137.3	60.0	16.2	5.7	1.1	0.0
-7.5°	252.7	136.0	59.6	16.3	5.6	1.1	0.0
-10°	248.7	133.7	58.7	16.3	5.6	1.1	0.0
-12.5°	243.2	130.5	57.3	16.2	5.5	1.1	0.0
-15°	236.1	126.2	55.6	16.0	5.4	1.1	0.0
-17.5°	227.5	121.4	53.3	15.7	5.3	1.1	0.0
-20°	217.3	116.2	50.6	15.4	5.1	1.1	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	207.3	110.0	47.5	15.0	4.9	1.1	0.0
-25°	197.0	102.9	43.9	14.5	4.7	1.0	0.0
-27.5°	185.6	94.9	40.2	14.0	4.4	1.0	0.0
-30°	173.2	88.3	36.2	13.3	4.1	1.0	0.0
-32.5°	160.2	81.8	32.0	12.6	3.8	1.0	0.0
-35°	146.3	74.6	27.4	11.8	3.5	0.9	0.0
-37.5°	131.8	66.8	23.6	11.0	3.2	0.9	0.0
-40°	117.1	59.0	22.2	10.2	3.0	0.9	0.0
-42.5°	101.4	50.6	20.6	9.3	2.8	0.9	0.0
-45°	89.2	42.6	18.9	8.4	2.6	0.8	0.0
-47.5°	76.1	35.1	17.2	7.3	2.4	0.8	0.0
-50°	63.6	27.3	15.4	6.5	2.2	0.8	0.0
-52.5°	50.8	24.7	13.5	5.7	2.0	0.7	0.0
-55°	40.4	22.0	11.7	4.9	1.8	0.7	0.0
-57.5°	30.2	19.1	9.8	4.1	1.7	0.6	0.0
-60°	26.4	16.2	7.8	3.6	1.6	0.6	0.0
-62.5°	22.4	13.2	6.6	3.1	1.4	0.6	0.0
-65°	18.3	10.2	5.4	2.6	1.3	0.5	0.0
-67.5°	14.1	7.8	4.3	2.2	1.1	0.5	0.0
-70°	9.8	6.1	3.6	1.9	1.0	0.4	0.0
-72.5°	7.5	4.8	2.8	1.6	0.9	0.4	0.0
-75°	5.6	3.6	2.3	1.3	0.7	0.3	0.0
-77.5°	4.1	2.7	1.8	1.1	0.6	0.3	0.0
-80°	2.9	2.0	1.4	0.9	0.5	0.2	0.0
-82.5°	1.9	1.4	1.0	0.6	0.4	0.2	0.0
-85°	1.2	0.9	0.6	0.4	0.2	0.1	0.0
-87.5°	0.6	0.4	0.3	0.2	0.1	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)