

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: P622896 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF120-XX-PC-50W-7050**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622896 (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: LSF120-XX-PC-50W-7050
Description: Flood light with selectable wattage and CCT
Light Source: (1) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

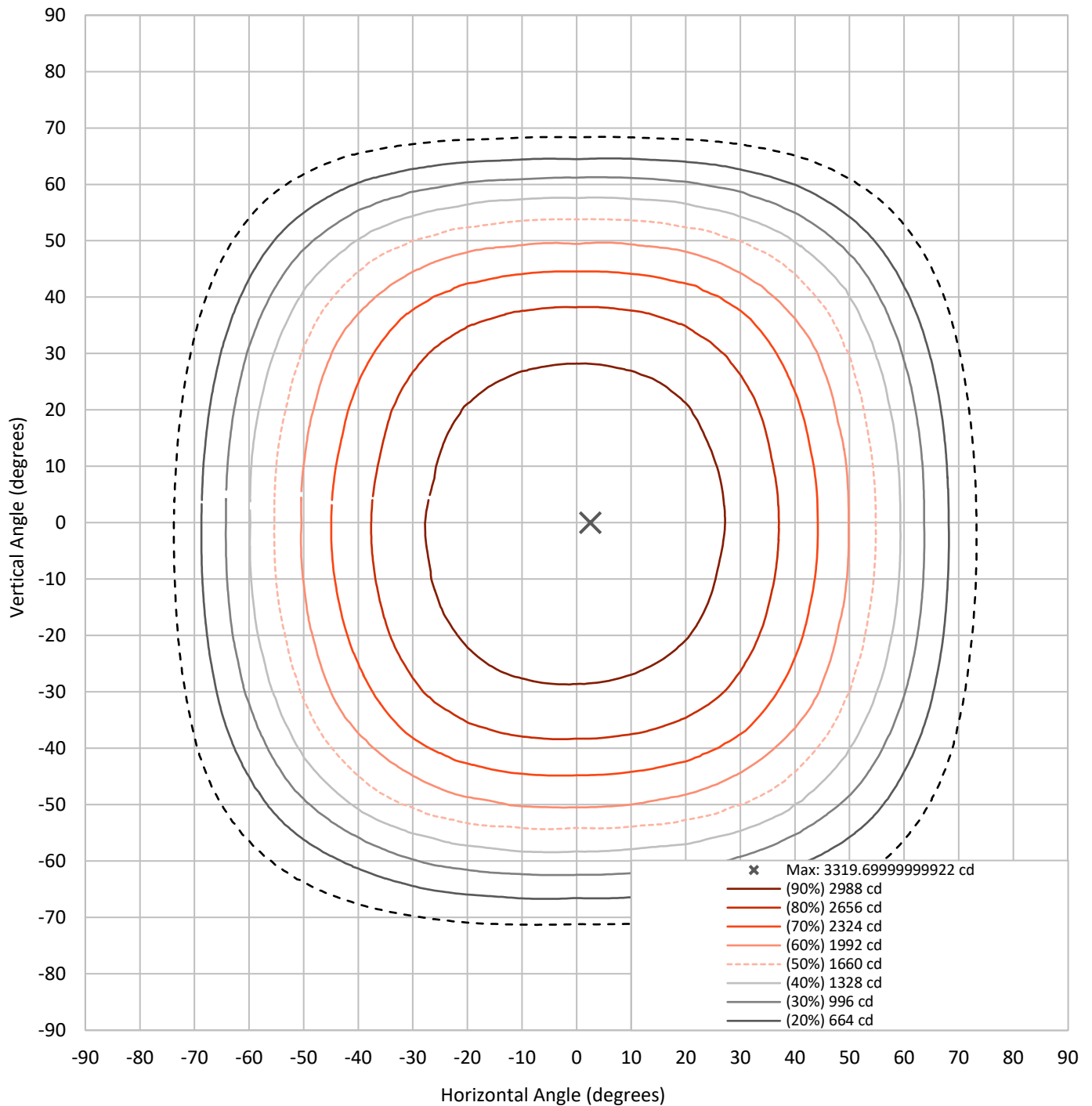
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	8816.8 lumens	Max Intensity:	3319.7 candela
Efficiency:	N/A	Max Intensity Angle:	2.5°H x 0°V
Efficacy:	176.3 lumens/watt		
Luminous Opening:	Rectangular (W 0.18m x L: 2.6m x H: 0m)		
Beam Angle (50%):	110.3°H x 108°V	Field Angle (10%):	147°H x 139.6°V
Beam Lumens:	7130.8 lumens	Field Lumens:	8670.1 lumens
Beam Efficiency:	80.9%	Field Efficiency:	98.3%
Input Watts (W):	50		
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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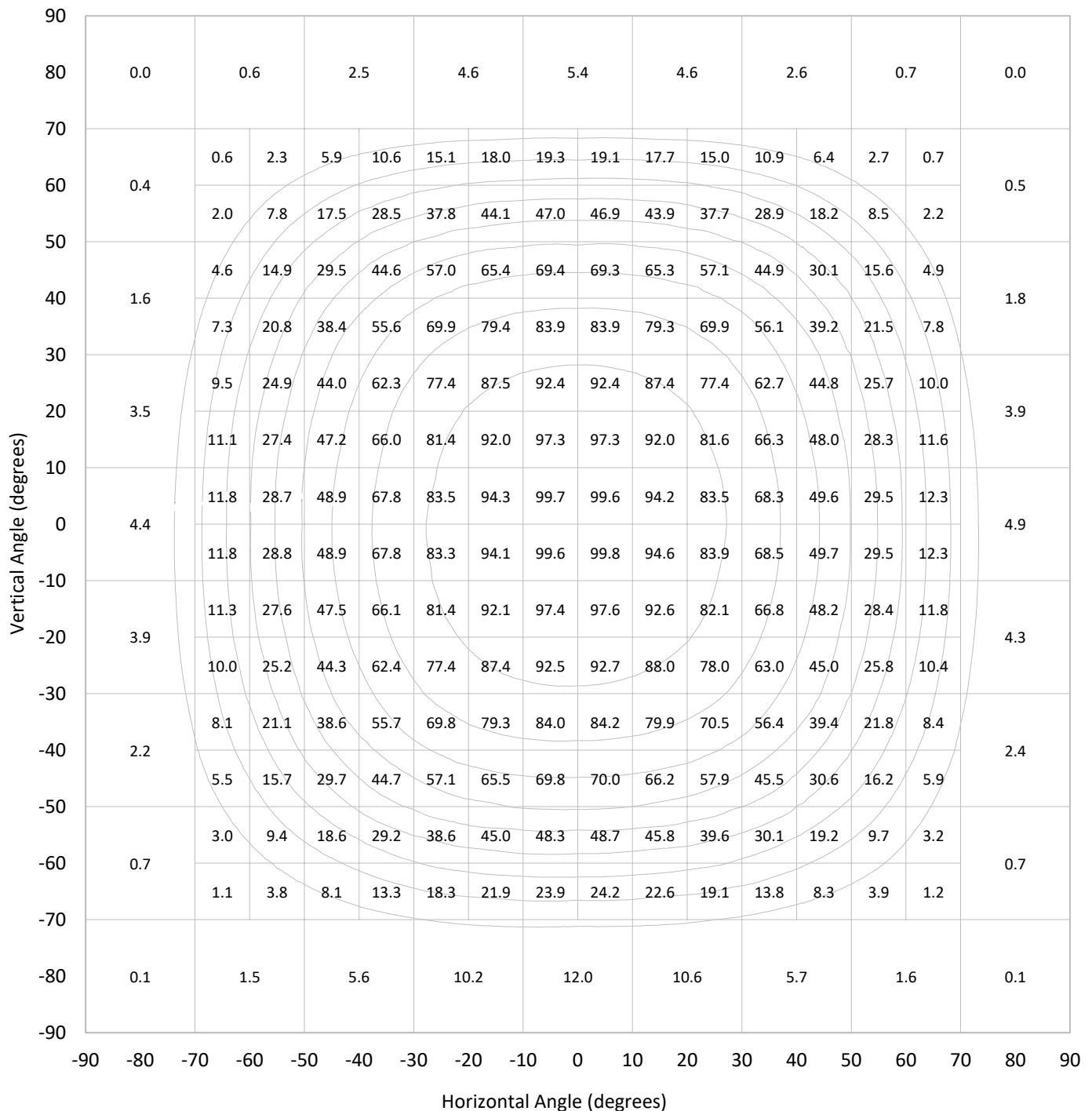
Iso-Candela Plot





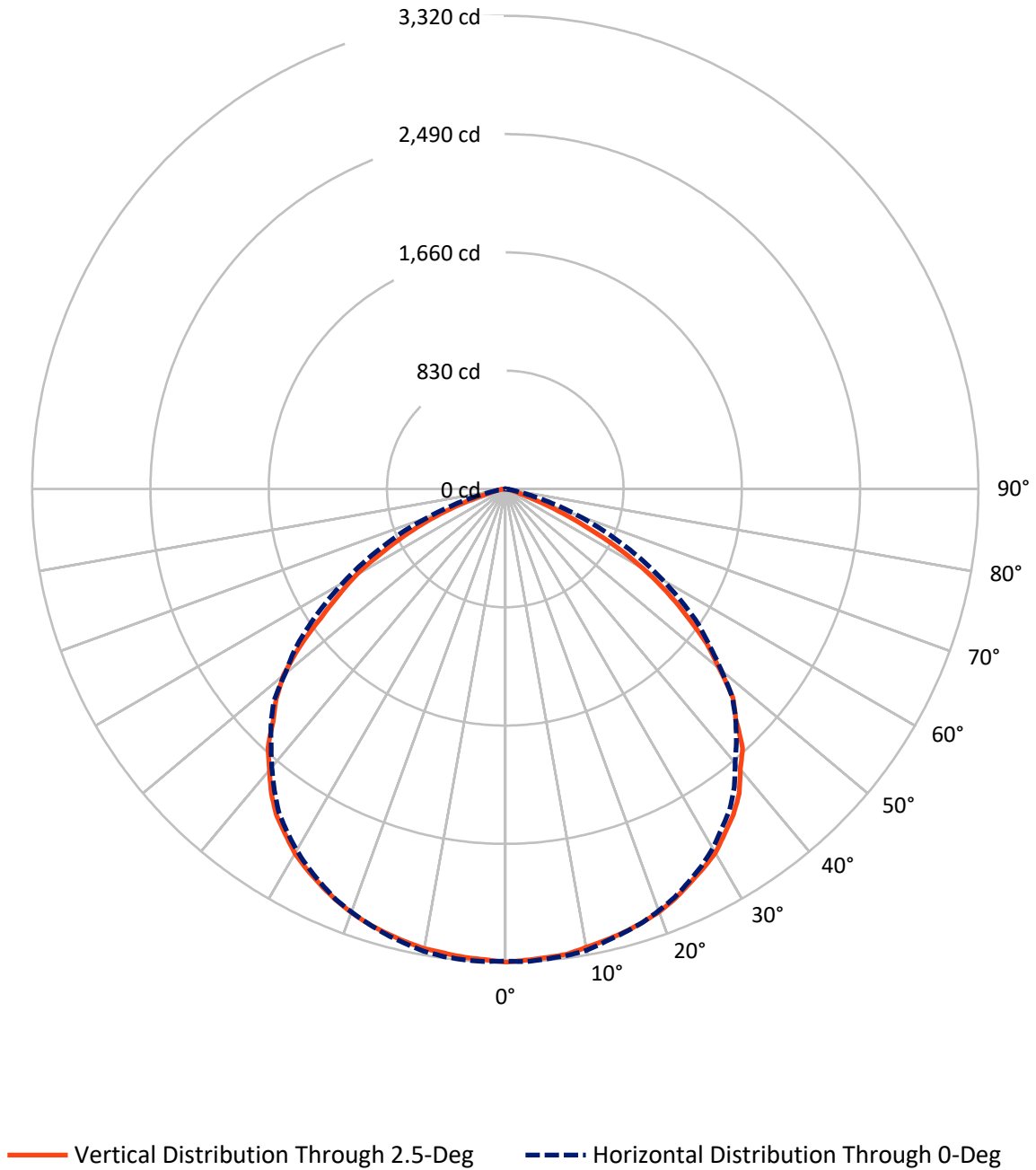
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Lumen Table



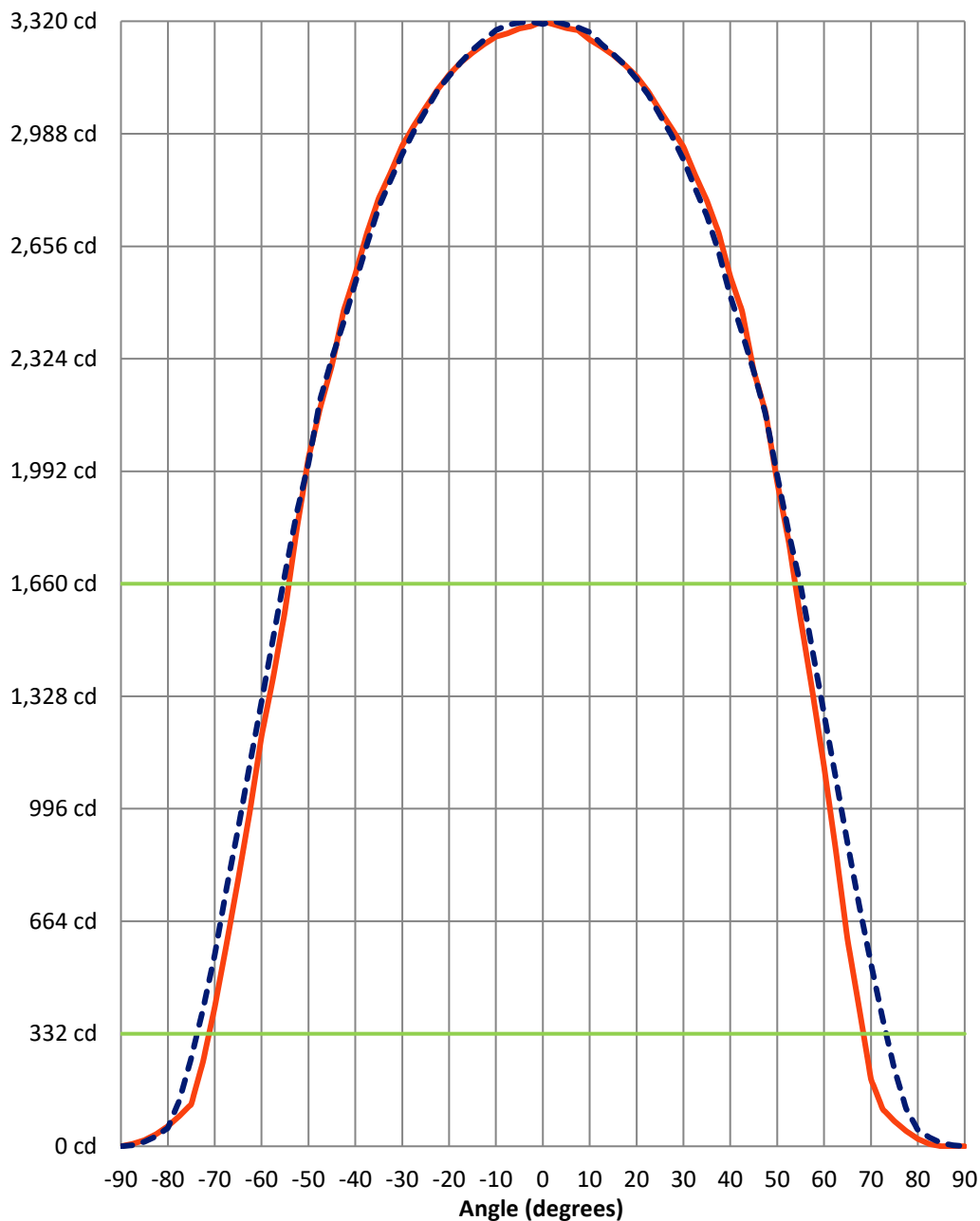
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 110.3°
 V Angle: 108°
 Lumens: 7130.8
 Efficiency: 80.9%

Field:
 H Angle: 147°
 V Angle: 139.6°
 Lumens: 8670.1
 Efficiency: 98.3%

Spill:
 Lumens: 146.8
 Efficiency: 1.7%

— 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	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.2	0.3	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.6
82.5°	0.0	0.3	0.5	0.6	0.8	0.8	0.8	1.1	1.4	1.5	1.7
80°	0.0	0.4	0.7	0.9	1.1	1.3	1.9	2.4	2.8	3.3	3.9
77.5°	0.0	0.5	0.9	1.2	1.6	2.4	3.1	3.8	4.5	5.3	6.4
75°	0.0	0.6	1.1	1.5	2.4	3.5	4.3	5.2	6.4	8.4	10.7
72.5°	0.0	0.7	1.3	2.0	3.2	4.7	5.7	7.2	9.9	13.4	17.4
70°	0.0	0.8	1.5	2.6	4.4	6.1	7.3	10.6	14.9	20.3	26.2
67.5°	0.0	0.9	1.7	3.2	5.6	7.4	10.3	15.0	21.3	28.5	36.0
65°	0.0	1.0	2.0	4.1	6.8	9.4	13.9	20.4	28.6	37.1	46.0
62.5°	0.0	1.1	2.4	5.1	8.1	11.8	17.9	26.7	36.0	45.8	58.1
60°	0.0	1.2	2.8	6.1	9.3	14.7	22.9	33.0	43.4	55.8	76.0
57.5°	0.0	1.3	3.2	7.1	11.2	17.9	28.1	39.2	51.8	69.1	105.2
55°	0.0	1.4	3.5	8.1	13.0	21.4	33.3	45.4	61.5	90.6	149.9
52.5°	0.0	1.5	4.0	9.1	15.0	25.5	38.3	53.2	72.6	123.9	203.0
50°	0.0	1.6	4.6	10.1	17.4	29.4	43.5	62.0	91.9	165.9	253.1
47.5°	0.0	1.7	5.3	11.1	19.8	33.4	48.9	73.2	119.6	211.4	309.0
45°	0.0	1.8	5.9	12.3	22.2	37.2	56.5	88.0	155.7	254.8	365.9
42.5°	0.0	1.9	6.6	13.5	25.0	41.0	64.2	105.8	194.7	301.1	421.1
40°	0.0	2.0	7.2	14.6	27.7	44.9	75.0	130.5	231.9	348.7	474.3
37.5°	0.0	2.0	7.8	15.7	30.2	48.7	86.0	158.3	267.8	394.0	524.5
35°	0.0	2.2	8.4	17.1	32.7	54.0	99.1	186.2	303.3	436.7	575.7
32.5°	0.0	2.3	8.9	18.4	35.1	60.1	112.9	213.5	336.9	476.4	627.9
30°	0.0	2.4	9.5	19.8	37.4	66.0	126.4	239.3	369.0	512.9	674.1
27.5°	0.0	2.5	10.0	21.0	39.5	72.5	144.4	264.6	400.1	546.7	717.0
25°	0.0	2.6	10.4	22.2	41.6	80.6	162.0	288.3	428.6	581.5	759.3
22.5°	0.0	2.7	10.9	23.2	43.7	88.4	178.2	309.5	453.7	614.9	797.5
20°	0.0	2.8	11.3	24.3	45.6	96.0	193.3	327.5	476.2	644.5	829.5
17.5°	0.0	2.9	11.7	25.3	47.4	103.1	207.4	343.2	496.1	670.7	857.2
15°	0.0	3.0	12.1	26.2	48.9	110.0	220.0	356.5	513.7	693.6	880.9
12.5°	0.0	3.0	12.4	27.1	50.3	116.6	230.8	368.7	528.7	713.3	900.7
10°	0.0	3.1	12.7	27.7	51.5	122.3	240.1	380.4	541.2	729.7	916.1
7.5°	0.0	3.1	12.9	28.3	52.5	127.3	247.7	389.7	551.0	742.5	927.4
5°	0.0	3.2	13.1	28.8	53.3	131.4	253.7	396.7	558.1	751.7	934.5
2.5°	0.0	3.2	13.3	29.1	53.8	134.6	258.2	401.4	562.7	757.2	937.7
0°	0.0	3.2	13.4	29.3	54.2	136.9	261.0	403.8	564.6	759.1	937.2
-2.5°	0.0	3.2	13.4	29.4	54.5	137.6	262.1	404.9	566.9	760.4	939.0
-5°	0.0	3.2	13.4	29.3	54.5	137.2	261.6	403.7	566.5	758.2	937.3
-7.5°	0.0	3.2	13.3	29.1	54.4	135.9	259.5	400.2	563.3	752.5	932.0
-10°	0.0	3.2	13.2	28.8	53.9	133.7	255.8	394.4	557.3	743.2	923.2
-12.5°	0.0	3.2	13.1	28.4	53.2	130.5	250.6	386.3	548.5	730.7	910.9
-15°	0.0	3.1	12.9	27.8	52.2	126.4	243.7	378.0	536.9	715.5	895.0
-17.5°	0.0	3.1	12.6	27.2	50.9	121.4	235.3	369.2	522.3	697.7	875.7
-20°	0.0	3.0	12.3	26.4	49.3	115.5	225.3	358.5	506.1	677.3	852.9

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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	3.0	12.0	25.5	47.4	108.7	213.6	345.9	487.6	653.3	826.6
-25°	0.0	2.9	11.7	24.7	45.2	100.9	200.3	329.9	466.4	625.9	793.8
-27.5°	0.0	2.8	11.3	23.7	43.3	92.4	185.4	311.2	442.1	595.9	757.5
-30°	0.0	2.7	10.8	22.7	41.4	84.6	169.6	291.2	415.3	563.6	723.4
-32.5°	0.0	2.6	10.3	21.6	39.5	76.5	157.2	270.5	389.3	529.2	686.6
-35°	0.0	2.4	9.8	20.3	37.3	67.5	143.7	248.2	364.1	494.1	642.8
-37.5°	0.0	2.3	9.3	19.1	35.1	59.4	129.4	224.0	336.6	456.3	591.7
-40°	0.0	2.3	8.7	18.1	32.8	54.4	114.2	197.4	307.7	416.1	539.3
-42.5°	0.0	2.2	8.1	17.1	30.5	48.9	98.0	172.5	276.9	376.4	487.9
-45°	0.0	2.1	7.5	15.9	28.0	44.3	83.0	152.6	244.1	335.7	433.9
-47.5°	0.0	2.0	6.8	14.7	25.7	40.8	66.8	131.7	207.4	296.1	380.0
-50°	0.0	1.9	6.1	13.6	23.4	37.1	57.3	109.9	173.3	254.2	328.6
-52.5°	0.0	1.8	5.4	12.5	20.9	33.5	48.5	87.8	146.0	209.0	283.4
-55°	0.0	1.7	4.9	11.4	18.9	29.7	43.2	66.0	118.4	168.4	236.9
-57.5°	0.0	1.5	4.4	10.2	17.0	26.3	38.2	54.2	90.5	137.4	183.6
-60°	0.0	1.4	3.9	9.1	14.9	22.9	33.4	45.3	65.3	106.2	147.0
-62.5°	0.0	1.3	3.5	7.8	13.3	19.8	28.6	39.0	51.1	75.1	113.0
-65°	0.0	1.2	2.9	6.6	11.6	17.0	24.3	33.0	42.7	56.0	79.1
-67.5°	0.0	1.0	2.5	5.5	10.0	14.5	20.3	27.4	35.4	44.5	56.7
-70°	0.0	0.9	2.2	4.6	8.3	12.4	16.5	22.2	28.7	35.9	43.9
-72.5°	0.0	0.8	1.9	3.7	6.5	10.2	13.8	17.6	22.6	28.2	34.4
-75°	0.0	0.7	1.6	2.8	5.1	8.1	11.2	14.2	17.2	21.5	26.1
-77.5°	0.0	0.6	1.3	2.3	3.7	6.0	8.7	11.1	13.5	16.0	19.0
-80°	0.0	0.5	1.0	1.8	2.7	4.0	6.1	8.0	10.0	11.9	13.9
-82.5°	0.0	0.4	0.8	1.3	1.9	2.7	3.6	4.9	6.4	7.8	9.3
-85°	0.0	0.2	0.5	0.8	1.2	1.7	2.2	2.8	3.3	3.9	4.7
-87.5°	0.0	0.1	0.3	0.4	0.6	0.8	1.0	1.3	1.5	1.8	2.1
-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: LSF120-XX-PC-50W-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.4	0.3	0.3	0.3
82.5°	2.0	2.3	2.6	2.7	2.8	2.9	2.9	2.9	3.3	3.8	4.2
80°	4.5	5.1	5.5	5.9	6.3	7.4	8.4	9.2	10.6	11.8	12.9
77.5°	7.5	8.8	10.7	12.7	14.9	16.8	19.3	21.2	23.7	26.6	29.2
75°	13.3	16.5	19.6	23.8	27.5	31.3	34.9	38.3	41.8	45.8	49.3
72.5°	21.7	27.2	32.6	37.6	42.5	47.8	53.9	59.3	63.9	69.8	75.3
70°	32.7	39.3	45.8	53.7	62.9	74.6	84.0	89.1	106.0	124.2	138.6
67.5°	43.7	51.9	65.1	83.2	102.0	121.6	145.9	172.7	203.1	225.1	247.5
65°	56.9	74.4	102.8	131.8	168.5	202.0	242.8	285.0	325.1	356.0	385.4
62.5°	78.5	113.5	160.9	206.4	250.6	302.6	352.6	400.6	447.0	510.5	556.4
60°	114.8	170.5	228.7	287.5	347.5	405.5	462.7	545.4	616.7	683.1	742.9
57.5°	167.0	233.2	304.3	377.1	443.4	518.9	618.8	696.2	782.3	859.1	918.8
55°	225.0	302.2	385.0	465.5	561.4	664.6	755.8	852.5	933.3	1023.0	1073.7
52.5°	284.3	375.7	464.5	573.7	690.8	791.5	897.4	993.7	1075.3	1181.3	1284.7
50°	350.4	447.7	552.2	688.5	805.1	921.9	1029.7	1116.3	1247.8	1340.3	1432.1
47.5°	414.9	518.6	660.7	785.6	922.7	1042.8	1146.0	1281.0	1374.7	1495.9	1621.8
45°	477.6	608.8	744.5	887.4	1027.0	1146.5	1290.9	1395.8	1528.2	1645.7	1733.0
42.5°	538.1	687.2	831.6	981.4	1117.0	1281.2	1398.1	1530.8	1655.4	1754.3	1832.7
40°	611.9	760.0	915.8	1070.2	1226.8	1366.9	1513.4	1645.8	1760.2	1845.7	1972.7
37.5°	675.6	832.2	994.9	1139.8	1307.6	1460.7	1608.7	1750.5	1843.1	1979.8	2078.1
35°	734.0	900.0	1068.3	1234.5	1384.6	1539.5	1700.1	1825.1	1964.9	2076.9	2169.1
32.5°	792.6	964.7	1121.4	1298.5	1462.5	1621.2	1765.4	1909.4	2060.8	2157.7	2246.1
30°	845.6	1026.3	1191.4	1358.9	1519.5	1689.5	1823.7	1994.4	2122.4	2217.7	2310.5
27.5°	894.5	1075.4	1248.9	1419.0	1585.4	1736.0	1901.3	2045.1	2175.6	2267.3	2373.1
25°	940.0	1112.3	1298.1	1467.7	1639.3	1786.9	1957.5	2101.2	2215.3	2323.9	2429.1
22.5°	980.5	1157.3	1338.5	1500.6	1676.5	1843.0	1993.4	2150.2	2255.5	2363.2	2474.9
20°	1015.8	1196.6	1378.2	1552.4	1704.9	1889.0	2033.4	2185.1	2294.9	2402.6	2507.8
17.5°	1044.7	1231.6	1416.4	1591.5	1747.9	1917.4	2080.2	2214.0	2322.8	2431.4	2542.0
15°	1068.2	1262.6	1443.7	1620.1	1784.1	1945.8	2118.8	2239.7	2345.8	2451.6	2580.3
12.5°	1089.0	1284.1	1463.7	1645.5	1814.1	1969.1	2148.1	2265.2	2370.2	2475.4	2594.3
10°	1106.4	1298.4	1480.4	1662.4	1838.0	1993.2	2169.1	2286.3	2391.5	2505.6	2613.2
7.5°	1118.4	1308.2	1494.1	1675.5	1854.5	2010.7	2186.7	2302.6	2408.1	2527.5	2631.9
5°	1125.6	1313.6	1501.9	1684.5	1864.7	2019.5	2196.9	2314.7	2420.6	2541.8	2647.7
2.5°	1128.5	1314.9	1504.2	1689.1	1869.8	2020.8	2202.6	2322.1	2428.5	2548.5	2657.9
0°	1127.4	1312.2	1501.6	1688.9	1868.9	2015.9	2203.5	2324.7	2431.2	2548.2	2662.2
-2.5°	1130.1	1316.3	1504.7	1690.0	1871.3	2021.9	2205.0	2324.7	2431.9	2551.3	2662.1
-5°	1128.6	1316.1	1502.9	1686.4	1867.8	2021.7	2202.0	2319.5	2427.1	2547.0	2656.5
-7.5°	1122.6	1311.2	1495.4	1678.2	1859.6	2014.2	2194.5	2309.4	2416.8	2534.6	2645.6
-10°	1111.6	1301.1	1482.1	1665.8	1844.2	1998.2	2179.2	2294.4	2402.6	2513.9	2632.1
-12.5°	1095.9	1285.2	1467.1	1649.3	1819.4	1975.6	2159.8	2275.6	2383.1	2492.1	2614.8
-15°	1077.7	1263.5	1449.5	1624.6	1787.0	1953.5	2130.6	2253.6	2360.0	2471.2	2591.7
-17.5°	1057.5	1238.7	1425.1	1596.8	1753.1	1927.1	2088.8	2229.7	2333.9	2447.2	2555.2
-20°	1029.9	1212.6	1389.7	1557.4	1712.9	1901.7	2042.0	2200.0	2301.1	2409.6	2524.6



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 CATALOG NUMBER: LSF120-XX-PC-50W-7050

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	994.1	1172.6	1348.9	1504.3	1684.6	1851.0	2002.4	2160.7	2268.3	2370.0	2491.0
-25°	957.2	1126.0	1299.3	1476.3	1646.7	1793.9	1967.1	2108.8	2229.3	2321.6	2428.4
-27.5°	921.1	1095.2	1260.4	1431.8	1589.3	1746.7	1910.1	2053.4	2183.1	2278.8	2373.9
-30°	881.5	1046.3	1210.5	1371.1	1522.3	1701.7	1831.9	2003.2	2129.8	2227.6	2317.0
-32.5°	837.0	983.1	1137.1	1303.9	1474.2	1623.7	1778.5	1916.6	2069.1	2163.7	2258.7
-35°	785.2	930.9	1085.7	1252.6	1398.1	1541.1	1712.2	1836.5	1972.9	2082.9	2176.7
-37.5°	731.0	875.3	1013.4	1156.4	1317.3	1472.8	1607.5	1770.7	1856.6	1991.0	2082.3
-40°	670.8	814.3	946.2	1083.9	1243.2	1379.7	1523.4	1649.4	1779.6	1862.6	1986.7
-42.5°	609.1	743.4	878.9	1001.9	1132.2	1295.3	1416.8	1544.3	1663.9	1774.8	1853.2
-45°	547.2	662.6	806.7	925.8	1042.6	1166.7	1307.3	1427.2	1549.2	1658.6	1755.4
-47.5°	484.6	591.7	708.2	846.4	956.4	1055.6	1176.1	1300.3	1414.7	1531.1	1639.2
-50°	419.3	521.3	619.1	746.6	865.3	953.6	1044.6	1159.1	1273.8	1376.1	1486.1
-52.5°	353.6	447.0	542.3	630.0	755.1	847.4	929.9	1014.4	1117.0	1223.0	1305.7
-55°	298.0	369.9	459.1	546.3	621.6	725.1	811.7	886.6	963.4	1043.0	1145.1
-57.5°	248.2	300.4	371.6	453.7	525.4	595.9	672.8	757.6	822.2	890.5	961.7
-60°	192.2	247.4	291.5	355.6	427.1	487.8	551.9	612.9	680.8	741.8	803.3
-62.5°	147.9	187.8	236.1	273.4	321.6	385.4	439.6	482.7	547.1	595.2	649.0
-65°	111.5	141.1	170.8	212.9	245.6	278.5	327.6	377.5	418.4	451.3	499.2
-67.5°	75.4	102.9	127.3	148.7	176.9	205.5	235.4	262.3	298.4	338.3	371.9
-70°	53.6	67.3	87.3	105.0	122.8	140.1	159.3	175.7	201.6	225.6	246.2
-72.5°	40.9	49.0	58.2	67.4	79.8	90.2	104.0	117.3	130.5	144.1	157.1
-75°	31.0	36.4	41.7	48.0	53.9	60.4	65.9	70.4	74.3	85.9	94.2
-77.5°	22.5	26.3	30.2	34.1	38.3	42.3	46.7	50.6	54.4	58.1	61.8
-80°	15.9	17.9	20.5	23.1	25.8	28.6	31.4	34.1	36.9	39.4	41.7
-82.5°	10.8	12.3	13.7	15.1	16.5	17.8	19.2	21.0	22.6	24.0	25.4
-85°	5.7	6.7	7.7	8.6	9.5	10.4	11.2	12.1	12.8	13.5	14.2
-87.5°	2.4	2.7	3.0	3.2	3.5	3.8	4.0	4.3	4.5	4.7	5.0
-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):

	-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
85°	0.5	0.7	0.9	1.0	0.9	0.9	0.7	0.5	0.2	0.2	0.2
82.5°	4.7	5.1	5.3	5.4	5.4	5.5	5.7	6.0	6.2	6.4	6.6
80°	14.1	15.2	16.1	17.1	18.1	19.2	20.0	20.5	20.9	21.4	21.7
77.5°	31.6	33.8	35.7	37.5	39.0	40.4	41.5	42.4	43.2	44.0	44.6
75°	52.7	56.0	58.9	61.8	64.3	66.4	68.1	69.5	70.5	71.9	73.1
72.5°	83.1	89.3	91.2	92.5	95.8	98.7	101.2	103.2	104.7	106.4	108.0
70°	145.9	144.9	146.9	162.9	178.1	183.0	179.7	171.6	174.3	185.3	196.2
67.5°	268.6	287.4	305.7	323.2	339.8	353.5	364.3	372.2	376.8	384.9	395.0
65°	418.8	452.5	475.0	492.5	525.6	549.6	567.2	579.3	587.0	597.9	609.9
62.5°	596.4	642.8	682.7	720.0	757.2	781.5	798.7	814.2	819.2	822.8	837.5
60°	796.2	847.4	885.0	917.7	953.8	996.0	1028.3	1047.4	1070.1	1079.9	1087.6
57.5°	975.6	1019.0	1096.3	1144.8	1172.9	1208.4	1241.9	1281.0	1298.5	1301.8	1316.0
55°	1172.1	1233.8	1279.6	1339.0	1378.8	1395.8	1441.5	1481.1	1509.2	1522.4	1532.7
52.5°	1332.3	1414.0	1473.9	1518.1	1579.5	1632.2	1644.9	1669.5	1698.9	1730.2	1756.8
50°	1540.2	1595.6	1661.4	1706.0	1746.5	1810.7	1872.0	1889.2	1897.5	1901.8	1929.2
47.5°	1686.1	1741.5	1793.0	1886.8	1954.6	1993.3	2019.2	2059.1	2092.6	2119.5	2135.8
45°	1802.3	1886.1	1973.1	2030.5	2078.6	2117.7	2162.5	2207.6	2239.1	2248.9	2257.1
42.5°	1945.3	2028.3	2093.5	2151.8	2211.7	2283.9	2328.3	2341.6	2369.1	2410.3	2437.1
40°	2062.9	2144.2	2222.6	2289.5	2360.0	2390.9	2430.5	2474.2	2512.4	2524.2	2526.3
37.5°	2166.3	2268.5	2336.9	2406.2	2446.4	2496.7	2560.4	2580.9	2616.9	2646.7	2663.8
35°	2263.4	2353.3	2441.3	2482.7	2552.9	2601.2	2655.5	2684.4	2704.6	2738.3	2763.8
32.5°	2340.9	2431.5	2496.9	2579.7	2635.3	2689.2	2716.3	2757.7	2797.7	2820.7	2835.7
30°	2410.1	2491.7	2578.3	2647.9	2707.0	2739.5	2797.1	2843.5	2874.6	2891.2	2916.0
27.5°	2471.4	2558.6	2639.4	2707.6	2756.7	2814.8	2861.0	2893.9	2921.5	2952.0	2969.3
25°	2529.7	2615.7	2693.3	2752.0	2815.8	2864.3	2909.9	2949.3	2984.9	3006.8	3036.6
22.5°	2568.0	2666.2	2734.5	2803.3	2862.2	2916.7	2959.2	3001.6	3036.5	3066.7	3080.2
20°	2616.9	2700.7	2777.5	2846.9	2905.0	2955.8	3010.1	3043.3	3074.5	3106.8	3127.1
17.5°	2643.8	2732.4	2810.3	2884.8	2941.5	2993.0	3036.4	3077.9	3113.0	3141.7	3158.3
15°	2665.5	2759.6	2841.0	2907.1	2967.8	3019.8	3064.3	3105.2	3140.6	3165.6	3191.6
12.5°	2688.8	2777.9	2859.7	2931.6	2987.1	3040.0	3088.4	3127.0	3159.9	3194.0	3215.9
10°	2713.9	2791.9	2871.5	2944.5	3006.0	3060.8	3105.8	3144.5	3178.6	3211.6	3233.5
7.5°	2734.5	2817.4	2889.0	2954.9	3013.6	3076.4	3122.1	3161.5	3197.8	3228.2	3251.0
5°	2750.5	2834.2	2909.7	2972.4	3036.0	3092.9	3135.0	3173.4	3213.8	3240.3	3266.5
2.5°	2763.4	2844.5	2921.9	2987.1	3049.1	3105.3	3148.1	3188.1	3225.8	3253.2	3272.3
0°	2770.9	2849.8	2927.4	2995.2	3054.8	3114.8	3158.0	3198.2	3235.1	3264.9	3293.2
-2.5°	2768.1	2849.5	2926.3	2994.2	3055.3	3110.9	3157.4	3198.7	3234.4	3265.5	3289.4
-5°	2759.5	2843.8	2919.1	2985.5	3049.2	3103.1	3152.4	3194.9	3225.9	3253.7	3279.6
-7.5°	2747.5	2831.9	2904.9	2973.9	3034.4	3091.7	3140.4	3181.5	3211.9	3238.0	3260.8
-10°	2730.6	2812.5	2891.5	2964.1	3031.2	3079.3	3125.4	3167.4	3197.4	3222.1	3243.6
-12.5°	2706.3	2798.2	2880.0	2944.4	3007.0	3058.3	3111.1	3145.8	3180.7	3211.3	3229.7
-15°	2684.5	2779.9	2855.2	2921.6	2988.9	3046.4	3086.3	3126.9	3161.3	3183.4	3207.5
-17.5°	2662.6	2748.4	2827.5	2905.5	2954.5	3008.2	3060.0	3100.9	3130.0	3157.5	3174.0
-20°	2625.6	2717.7	2798.8	2860.9	2928.0	2974.9	3019.1	3065.9	3091.5	3121.1	3142.6



REPORT NUMBER: P622896 (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°	2583.5	2681.6	2754.5	2830.2	2880.2	2940.2	2982.0	3016.1	3052.9	3071.4	3095.3
-25°	2544.1	2625.9	2711.6	2777.1	2841.8	2886.1	2938.6	2976.2	3005.9	3024.2	3046.1
-27.5°	2483.6	2576.1	2657.4	2728.7	2788.1	2839.5	2882.4	2918.1	2959.1	2979.8	2991.5
-30°	2418.4	2510.2	2597.4	2674.4	2727.2	2772.4	2822.1	2865.0	2891.6	2909.8	2931.8
-32.5°	2347.0	2446.1	2517.7	2599.3	2663.6	2704.5	2742.1	2786.3	2818.3	2836.4	2852.0
-35°	2276.6	2363.9	2461.2	2506.9	2570.3	2625.7	2675.8	2702.5	2726.8	2757.7	2778.8
-37.5°	2174.6	2280.8	2353.9	2424.1	2472.0	2521.6	2577.0	2607.1	2639.5	2660.2	2676.5
-40°	2066.0	2147.1	2241.9	2311.9	2368.5	2416.5	2455.1	2498.2	2528.0	2543.9	2554.0
-42.5°	1967.4	2035.0	2101.6	2175.8	2239.8	2308.7	2340.3	2364.8	2393.5	2431.0	2451.8
-45°	1826.0	1919.1	1989.9	2049.5	2101.7	2149.2	2194.8	2236.8	2266.1	2278.9	2290.1
-47.5°	1711.1	1771.6	1850.8	1927.2	1978.5	2025.1	2063.7	2096.1	2122.8	2144.1	2159.8
-50°	1577.9	1644.1	1694.1	1749.5	1829.6	1885.3	1906.9	1926.1	1956.7	1996.6	2014.8
-52.5°	1388.2	1453.2	1543.4	1605.0	1644.2	1669.1	1716.0	1760.9	1791.2	1795.2	1806.4
-55°	1209.3	1269.4	1326.7	1372.3	1431.2	1507.1	1532.3	1545.6	1546.7	1548.9	1583.1
-57.5°	1031.6	1106.9	1148.2	1187.8	1231.5	1271.5	1303.0	1323.4	1348.9	1371.5	1389.3
-60°	863.5	921.2	975.3	1026.3	1065.4	1082.3	1097.8	1134.0	1169.8	1190.3	1198.6
-62.5°	703.4	751.2	797.2	839.8	876.8	910.0	933.8	950.6	960.8	968.1	978.4
-65°	539.9	580.0	623.3	664.4	691.9	716.5	733.7	744.9	755.0	775.1	790.9
-67.5°	402.1	430.7	457.2	475.9	502.1	528.0	548.3	563.4	573.4	583.3	594.0
-70°	270.6	295.5	317.5	338.0	354.6	370.8	385.6	398.1	405.1	410.5	414.5
-72.5°	172.1	185.6	196.4	207.9	217.8	227.5	236.1	242.5	246.9	250.5	253.0
-75°	102.4	111.4	119.8	127.0	131.6	133.7	133.7	131.7	128.0	127.9	128.3
-77.5°	65.3	68.8	72.2	75.0	77.5	79.8	81.7	83.4	85.1	87.0	88.5
-80°	44.1	46.4	48.4	50.2	51.9	53.4	54.8	55.9	56.7	57.6	58.2
-82.5°	26.9	28.3	29.6	30.6	31.5	32.3	33.0	33.7	34.3	34.8	35.2
-85°	14.8	15.4	15.9	16.4	16.7	17.0	17.3	17.6	17.7	17.9	18.0
-87.5°	5.3	5.6	5.9	6.1	6.3	6.5	6.6	6.8	6.9	7.0	7.0
-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):

	-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°	0.1	0.1	0.1	0.1	0.1	0.1	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	0.4
82.5°	6.7	6.7	6.6	6.5	6.6	6.6	6.5	6.4	6.2	6.0	5.7
80°	21.9	22.0	21.9	21.7	21.9	21.9	21.7	21.5	21.1	20.5	20.2
77.5°	45.0	45.2	45.1	44.9	45.1	45.1	44.9	44.5	43.8	42.9	42.0
75°	73.9	74.2	74.2	73.8	74.1	74.0	73.6	72.7	71.5	70.1	68.9
72.5°	109.1	109.7	109.9	109.7	109.9	109.7	109.0	107.8	106.1	104.3	103.1
70°	201.5	202.1	198.6	192.0	198.6	202.5	203.3	200.6	194.1	187.4	184.3
67.5°	402.0	405.6	405.8	402.3	406.7	407.4	404.5	398.1	388.4	381.5	377.5
65°	615.4	614.9	609.1	598.3	610.3	617.3	618.6	613.4	601.2	588.0	578.5
62.5°	853.7	863.9	868.1	866.4	873.4	875.5	873.3	867.7	855.7	843.5	831.9
60°	1097.6	1107.4	1114.1	1115.3	1120.0	1118.3	1112.2	1103.4	1094.0	1078.2	1054.6
57.5°	1332.9	1341.1	1341.4	1335.8	1343.3	1344.5	1337.2	1320.7	1308.2	1303.0	1284.8
55°	1542.6	1550.3	1554.5	1554.2	1555.5	1552.1	1545.1	1535.6	1525.2	1516.2	1499.8
52.5°	1771.7	1777.2	1779.3	1775.6	1780.5	1779.8	1775.9	1765.6	1748.3	1723.9	1680.4
50°	1953.3	1961.4	1956.7	1942.5	1960.3	1968.3	1963.0	1941.1	1912.5	1902.0	1890.9
47.5°	2151.0	2160.7	2165.3	2165.0	2166.5	2163.2	2155.0	2140.5	2122.9	2096.7	2066.6
45°	2273.7	2283.7	2287.5	2285.4	2288.0	2284.9	2276.0	2261.1	2253.4	2246.6	2213.7
42.5°	2455.9	2462.1	2464.9	2463.3	2464.5	2460.8	2453.1	2437.2	2414.3	2372.1	2344.6
40°	2545.4	2557.2	2561.3	2559.4	2565.9	2565.1	2554.0	2531.7	2526.3	2513.9	2486.9
37.5°	2673.6	2689.3	2695.5	2694.3	2696.1	2690.7	2676.2	2667.5	2652.7	2629.4	2585.4
35°	2776.5	2784.4	2790.0	2792.1	2790.2	2784.5	2776.4	2765.2	2741.6	2707.8	2685.6
32.5°	2848.7	2858.2	2863.7	2863.0	2866.0	2864.7	2856.4	2835.0	2817.7	2798.0	2766.8
30°	2938.9	2939.8	2946.6	2952.7	2948.9	2941.0	2932.7	2915.7	2891.7	2873.2	2841.4
27.5°	2983.3	2995.2	3002.2	3002.0	3003.1	2998.6	2986.8	2972.2	2953.2	2939.8	2894.4
25°	3044.2	3051.1	3055.7	3055.8	3055.9	3051.6	3044.7	3038.2	3010.3	2991.4	2952.4
22.5°	3101.8	3111.5	3113.7	3112.3	3112.1	3105.9	3097.5	3080.2	3066.6	3040.3	3004.9
20°	3144.4	3153.9	3154.5	3155.5	3157.4	3157.1	3146.5	3128.7	3106.1	3074.3	3043.8
17.5°	3179.9	3188.7	3192.6	3192.9	3190.6	3187.5	3179.6	3164.1	3140.1	3110.9	3076.3
15°	3209.0	3214.2	3219.8	3222.3	3220.0	3213.1	3206.1	3192.5	3164.4	3134.7	3106.2
12.5°	3231.0	3240.9	3243.4	3243.6	3244.0	3241.9	3230.1	3212.6	3187.5	3160.0	3127.2
10°	3249.6	3259.2	3266.6	3265.1	3265.5	3261.6	3254.4	3231.5	3210.0	3183.8	3148.6
7.5°	3272.4	3279.9	3284.7	3284.0	3293.1	3282.4	3275.1	3257.8	3229.7	3202.9	3166.6
5°	3282.8	3297.0	3301.0	3300.3	3299.5	3294.9	3289.5	3272.9	3248.0	3216.4	3180.1
2.5°	3289.3	3299.2	3305.9	3305.9	3309.7	3305.5	3299.7	3277.4	3254.4	3221.7	3187.7
0°	3308.7	3315.7	3318.3	3311.6	3319.7	3309.9	3301.3	3287.1	3252.4	3222.9	3190.5
-2.5°	3305.2	3309.6	3314.1	3311.1	3305.1	3296.8	3288.2	3267.1	3245.5	3214.8	3183.7
-5°	3292.8	3300.9	3303.3	3296.9	3298.1	3287.0	3283.2	3258.6	3234.0	3204.1	3172.9
-7.5°	3281.4	3284.8	3287.4	3285.2	3284.0	3273.7	3270.6	3249.0	3219.7	3193.8	3159.6
-10°	3262.2	3272.0	3275.0	3280.4	3274.0	3263.9	3252.5	3237.1	3209.8	3181.4	3147.7
-12.5°	3249.4	3253.0	3256.3	3258.8	3252.1	3244.5	3236.2	3216.8	3194.0	3164.0	3131.9
-15°	3225.2	3229.6	3231.0	3227.6	3226.8	3223.2	3208.6	3189.2	3170.0	3139.6	3104.4
-17.5°	3189.5	3200.2	3202.8	3201.1	3198.2	3191.1	3180.6	3162.7	3139.3	3109.2	3077.7
-20°	3153.2	3162.2	3167.5	3164.3	3161.7	3153.6	3142.9	3127.2	3103.2	3074.0	3047.2



REPORT NUMBER: P622896 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-50W-7050

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3110.7	3115.1	3119.6	3117.1	3117.1	3111.7	3102.3	3083.5	3060.5	3034.6	2997.6
-25°	3054.0	3066.5	3068.9	3063.4	3065.2	3059.7	3045.9	3033.3	3007.0	2982.2	2950.0
-27.5°	3004.5	3013.7	3015.1	3012.1	3011.7	3006.0	2993.3	2975.6	2956.4	2932.4	2896.1
-30°	2946.7	2952.4	2957.0	2957.9	2952.2	2942.7	2931.9	2914.3	2892.3	2869.5	2840.9
-32.5°	2867.5	2875.1	2876.4	2872.7	2872.1	2866.9	2855.4	2836.0	2819.1	2796.4	2760.8
-35°	2788.1	2795.5	2800.1	2801.2	2797.4	2790.7	2782.5	2768.8	2742.3	2707.7	2680.8
-37.5°	2687.1	2697.7	2699.8	2694.4	2695.0	2687.5	2671.0	2658.1	2640.8	2613.8	2575.9
-40°	2568.5	2576.2	2577.0	2572.1	2573.4	2568.6	2556.2	2536.3	2523.1	2504.7	2472.9
-42.5°	2464.5	2468.5	2468.9	2464.6	2464.7	2459.9	2451.1	2431.0	2404.9	2369.5	2344.3
-45°	2300.7	2307.2	2309.2	2306.0	2304.4	2297.4	2285.3	2268.5	2258.5	2243.7	2206.1
-47.5°	2172.0	2179.7	2182.2	2179.3	2178.8	2172.9	2161.3	2145.8	2127.1	2102.8	2072.4
-50°	2023.6	2031.2	2034.5	2030.2	2030.3	2022.1	2008.4	1991.7	1967.7	1930.8	1902.9
-52.5°	1818.5	1824.6	1824.8	1819.8	1819.9	1814.7	1803.6	1786.1	1769.9	1760.3	1721.0
-55°	1599.0	1599.5	1588.2	1568.9	1580.4	1584.9	1579.4	1561.2	1528.6	1524.3	1516.2
-57.5°	1394.5	1395.3	1391.5	1382.0	1385.0	1381.4	1371.1	1355.4	1335.8	1319.7	1302.8
-60°	1207.0	1213.5	1215.9	1212.1	1210.8	1203.0	1190.6	1175.3	1158.9	1135.5	1104.5
-62.5°	986.1	990.8	991.8	988.7	988.3	983.7	975.4	963.9	949.7	939.5	926.8
-65°	798.0	797.6	791.2	780.0	786.9	789.1	785.2	773.9	753.8	730.0	717.4
-67.5°	600.0	601.3	598.8	593.1	594.7	593.4	588.6	579.8	565.8	549.2	535.9
-70°	416.7	416.8	414.5	409.6	410.1	408.3	404.6	399.5	393.8	388.0	379.4
-72.5°	253.8	252.7	249.8	245.0	249.3	251.5	251.8	250.0	246.4	240.2	232.5
-75°	128.1	127.4	126.2	124.5	124.5	124.1	123.2	122.0	120.4	119.6	123.0
-77.5°	89.4	89.9	90.0	89.7	89.7	89.3	88.7	87.7	86.3	84.7	83.2
-80°	58.7	59.1	59.2	59.1	59.1	59.0	58.6	58.1	57.3	56.3	55.3
-82.5°	35.5	35.7	35.7	35.7	35.6	35.5	35.3	34.9	34.4	33.8	33.2
-85°	18.1	18.1	18.1	18.1	18.1	18.0	17.9	17.8	17.6	17.3	17.1
-87.5°	7.1	7.1	7.2	7.2	7.1	7.1	7.0	6.9	6.8	6.6	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: P622896 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.6	0.8	0.9	0.9	0.8	0.7	0.5	0.3	0.3	0.3	0.4
82.5°	5.4	5.3	5.2	5.1	5.1	5.0	4.9	4.7	4.4	4.1	3.7
80°	19.6	18.8	17.7	16.7	15.6	14.6	13.4	12.2	11.1	9.8	8.4
77.5°	40.9	39.6	38.2	36.5	34.8	32.9	30.7	28.2	25.6	22.6	20.1
75°	67.4	65.5	63.3	60.6	57.5	54.3	50.8	47.4	44.2	40.8	37.1
72.5°	100.8	97.5	94.0	90.6	88.8	85.9	79.3	71.4	66.1	60.7	55.8
70°	185.5	183.5	176.8	162.7	144.3	136.3	135.9	130.0	115.5	97.8	81.4
67.5°	367.8	355.0	338.9	319.1	296.7	274.4	252.7	224.6	191.5	178.8	157.7
65°	565.1	545.8	532.7	518.2	482.0	442.0	408.9	373.5	335.9	294.7	245.8
62.5°	813.5	788.3	755.1	711.3	667.9	628.2	593.2	539.4	482.8	434.5	377.5
60°	1035.8	1006.0	962.4	935.7	893.1	837.3	771.1	715.6	661.6	586.9	507.2
57.5°	1249.9	1213.4	1168.5	1139.4	1090.9	1013.3	967.7	901.9	825.2	751.5	667.8
55°	1460.1	1400.8	1372.8	1331.4	1271.2	1209.8	1152.7	1058.9	994.5	908.2	816.4
52.5°	1641.6	1627.2	1594.4	1534.7	1461.3	1405.7	1319.1	1247.3	1155.1	1053.6	959.3
50°	1878.5	1824.5	1752.6	1696.3	1656.3	1597.7	1513.6	1423.4	1310.8	1216.4	1101.9
47.5°	2023.2	1992.4	1952.5	1894.0	1793.3	1728.0	1677.2	1593.3	1480.0	1344.8	1249.6
45°	2163.5	2115.5	2071.0	2017.1	1966.4	1887.9	1789.2	1717.8	1617.2	1502.2	1358.1
42.5°	2329.8	2294.8	2209.6	2147.8	2067.9	2007.4	1942.3	1820.0	1736.5	1616.1	1501.9
40°	2430.2	2391.8	2355.9	2289.1	2217.8	2115.6	2030.1	1950.5	1830.3	1740.4	1596.0
37.5°	2557.9	2508.1	2446.7	2396.6	2330.3	2256.4	2145.2	2041.2	1943.3	1824.4	1727.3
35°	2659.9	2597.7	2548.8	2485.1	2427.3	2339.9	2248.0	2144.5	2037.8	1911.1	1804.7
32.5°	2719.1	2682.0	2637.8	2568.8	2493.0	2415.2	2320.7	2225.7	2128.7	2016.0	1859.8
30°	2799.2	2752.9	2694.6	2646.6	2566.3	2480.2	2388.6	2289.2	2190.7	2087.8	1945.0
27.5°	2862.3	2813.7	2767.6	2694.6	2630.3	2548.6	2449.7	2346.0	2249.0	2139.4	2005.0
25°	2916.2	2868.7	2816.3	2753.8	2682.0	2599.9	2516.5	2394.7	2288.3	2187.6	2055.6
22.5°	2964.8	2920.6	2857.7	2802.5	2730.2	2653.8	2559.0	2453.1	2339.6	2233.1	2105.1
20°	3009.6	2954.8	2901.1	2837.2	2768.8	2692.1	2596.3	2492.6	2372.1	2264.8	2150.1
17.5°	3034.7	2990.2	2931.7	2868.1	2805.4	2717.5	2633.7	2522.1	2408.5	2298.3	2185.2
15°	3063.4	3012.4	2959.8	2904.9	2824.8	2750.4	2656.8	2555.4	2432.4	2321.7	2210.7
12.5°	3089.4	3039.6	2984.2	2918.1	2852.7	2773.6	2673.2	2580.0	2451.5	2342.8	2235.9
10°	3110.4	3060.2	3004.5	2945.0	2875.1	2782.9	2694.0	2600.9	2475.0	2365.6	2255.9
7.5°	3125.2	3080.5	3023.5	2959.7	2889.7	2802.3	2716.1	2618.1	2496.3	2383.1	2271.2
5°	3137.1	3094.4	3032.7	2972.8	2899.8	2817.1	2733.2	2630.4	2508.5	2394.3	2281.4
2.5°	3145.3	3100.2	3039.5	2980.4	2907.5	2825.4	2743.2	2637.6	2512.3	2400.0	2286.5
0°	3149.1	3102.6	3042.4	2982.5	2911.3	2826.4	2745.5	2639.7	2508.9	2400.6	2286.4
-2.5°	3141.4	3094.5	3036.2	2978.0	2905.5	2825.5	2742.8	2639.3	2514.7	2401.5	2288.2
-5°	3127.8	3082.1	3025.3	2969.0	2894.6	2817.9	2733.9	2633.4	2513.9	2397.3	2284.9
-7.5°	3118.6	3069.1	3012.4	2952.2	2878.3	2803.5	2720.9	2622.6	2506.0	2387.7	2276.8
-10°	3105.8	3056.9	2999.3	2937.5	2867.9	2783.2	2703.8	2608.9	2490.3	2373.6	2264.0
-12.5°	3089.2	3040.3	2983.1	2918.5	2855.3	2770.8	2680.7	2591.0	2464.7	2356.0	2245.1
-15°	3065.5	3016.7	2960.7	2899.0	2827.6	2753.0	2659.7	2565.6	2439.9	2333.8	2219.3
-17.5°	3039.8	2987.2	2933.8	2875.7	2799.1	2723.0	2637.1	2532.4	2416.7	2309.3	2193.0
-20°	3002.9	2950.7	2900.4	2836.2	2771.8	2688.3	2602.1	2494.9	2391.9	2277.8	2161.1



REPORT NUMBER: P622896 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-50W-7050

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2956.4	2913.9	2859.1	2802.3	2727.5	2654.0	2560.0	2458.6	2350.0	2239.9	2119.2
-25°	2911.9	2867.9	2820.0	2755.1	2685.0	2602.9	2513.5	2419.4	2303.4	2195.6	2064.2
-27.5°	2860.3	2820.5	2768.2	2703.3	2632.3	2548.9	2459.7	2356.8	2254.8	2148.3	2017.3
-30°	2798.4	2752.3	2704.9	2647.1	2570.0	2483.1	2397.9	2295.8	2197.6	2093.5	1964.7
-32.5°	2721.8	2684.4	2631.8	2573.4	2493.0	2420.8	2322.9	2229.2	2136.2	2033.2	1872.5
-35°	2645.9	2592.4	2545.8	2479.7	2430.6	2335.9	2248.1	2155.6	2050.7	1925.7	1801.2
-37.5°	2546.0	2495.2	2440.9	2396.4	2324.6	2252.2	2160.5	2054.7	1948.3	1820.8	1725.4
-40°	2425.6	2391.6	2347.5	2279.6	2215.3	2145.6	2041.7	1944.8	1825.6	1739.4	1609.5
-42.5°	2323.0	2271.9	2201.9	2154.4	2090.4	2008.9	1921.0	1815.3	1736.9	1626.3	1510.6
-45°	2160.8	2121.1	2079.7	2022.2	1959.7	1876.3	1788.7	1719.7	1626.2	1516.7	1367.6
-47.5°	2034.3	1996.1	1953.7	1893.3	1807.8	1734.0	1680.2	1608.1	1499.9	1355.5	1260.1
-50°	1884.2	1850.2	1782.0	1707.3	1662.7	1608.4	1540.5	1446.1	1325.0	1238.4	1107.7
-52.5°	1671.8	1638.0	1606.7	1555.7	1493.0	1427.9	1339.2	1270.0	1188.2	1071.2	987.3
-55°	1486.7	1441.4	1395.1	1356.2	1300.2	1229.2	1181.7	1092.6	1011.2	932.9	856.0
-57.5°	1288.8	1256.8	1192.1	1151.9	1118.5	1066.1	998.9	929.1	857.2	803.8	732.7
-60°	1074.4	1057.8	1039.7	995.9	942.5	886.0	827.0	784.1	726.1	659.5	596.7
-62.5°	906.6	878.7	840.8	798.8	767.4	735.6	674.6	626.3	575.3	519.6	481.0
-65°	707.4	695.2	661.7	618.0	594.5	563.9	520.5	482.2	450.5	399.7	358.6
-67.5°	522.2	507.7	488.2	462.8	432.8	406.6	379.1	349.5	319.7	294.3	265.9
-70°	365.3	349.6	332.8	317.2	301.6	282.5	261.9	241.7	218.7	200.9	184.3
-72.5°	223.1	211.9	201.6	191.6	180.3	173.8	167.1	158.5	148.3	136.2	121.4
-75°	125.0	125.3	123.7	120.1	115.1	109.9	103.2	96.0	87.4	75.2	70.5
-77.5°	81.4	79.3	76.9	74.2	71.3	68.1	64.5	60.8	57.1	53.1	49.1
-80°	54.1	52.7	51.0	49.4	47.5	45.3	42.9	40.4	38.0	35.3	32.5
-82.5°	32.4	31.6	30.7	29.7	28.6	27.2	25.7	24.2	22.8	21.2	19.6
-85°	16.8	16.4	16.0	15.6	15.1	14.5	13.9	13.2	12.6	11.8	11.1
-87.5°	6.3	6.0	5.8	5.5	5.3	4.9	4.6	4.3	4.1	3.9	3.6
-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: P622896 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-50W-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
82.5°	3.4	3.1	2.8	2.5	2.3	2.1	1.8	1.5	1.3	1.2	1.0
80°	8.0	7.4	6.5	5.7	5.2	4.6	4.0	3.5	2.9	2.5	2.0
77.5°	18.1	15.7	13.8	11.7	9.9	8.0	6.8	5.7	4.7	3.9	3.3
75°	33.5	29.7	25.9	22.3	18.2	15.2	12.3	9.7	7.5	5.6	4.5
72.5°	50.7	45.7	40.6	35.6	30.7	25.4	19.9	16.0	12.3	8.9	6.3
70°	76.6	68.0	57.4	50.2	43.4	37.0	30.6	24.0	18.4	13.6	9.4
67.5°	129.6	107.6	90.7	74.2	58.6	49.0	41.2	33.6	26.0	19.3	13.7
65°	209.4	180.8	145.4	115.2	90.1	66.3	53.0	43.3	34.5	25.9	18.5
62.5°	319.4	260.6	219.5	178.8	138.2	98.9	69.8	54.1	43.1	33.3	23.7
60°	442.0	375.3	307.9	248.1	199.4	146.6	99.8	68.1	52.4	40.6	30.1
57.5°	570.0	488.6	413.1	337.6	264.2	204.5	144.3	91.3	63.0	48.7	36.3
55°	729.4	615.1	517.8	433.1	347.6	266.6	196.7	130.1	79.3	57.2	42.5
52.5°	862.9	769.3	636.1	527.5	433.2	340.2	254.2	175.8	107.2	66.2	49.6
50°	987.7	886.7	784.5	632.1	515.6	416.9	316.5	226.0	144.1	80.2	57.2
47.5°	1130.6	995.5	887.8	757.1	605.5	488.2	384.4	279.8	184.4	103.3	65.8
45°	1261.1	1134.5	978.6	853.4	705.4	562.9	449.5	336.6	228.4	134.9	77.0
42.5°	1354.4	1250.2	1088.6	937.9	800.4	643.1	507.2	393.6	274.9	169.9	90.4
40°	1484.3	1327.9	1192.4	1015.4	875.6	724.9	571.5	448.2	323.2	204.4	111.5
37.5°	1560.4	1422.7	1275.3	1115.7	947.6	796.2	637.2	495.3	368.4	239.5	136.1
35°	1658.4	1503.0	1334.0	1188.3	1011.7	857.2	700.1	542.7	410.9	275.0	161.1
32.5°	1741.1	1559.3	1424.6	1261.4	1090.0	920.6	755.9	592.5	450.5	310.4	186.0
30°	1788.7	1652.5	1481.7	1308.5	1143.4	969.4	803.1	640.0	485.3	343.2	209.8
27.5°	1843.7	1706.6	1525.5	1372.5	1199.7	1020.4	849.5	683.3	517.3	373.5	233.5
25°	1912.6	1742.8	1586.1	1426.8	1253.7	1073.8	895.8	721.1	550.7	401.2	255.2
22.5°	1955.7	1785.5	1641.4	1462.5	1287.0	1110.7	933.6	755.3	582.6	426.2	276.2
20°	1986.7	1835.3	1669.0	1495.0	1327.6	1144.1	965.3	786.3	611.1	448.6	296.4
17.5°	2015.4	1878.0	1699.5	1529.2	1366.5	1181.6	995.4	814.2	635.6	468.3	314.3
15°	2062.6	1908.7	1725.4	1567.7	1395.6	1211.8	1023.4	838.6	656.2	485.9	329.9
12.5°	2097.0	1932.2	1756.0	1595.6	1420.6	1232.9	1046.1	858.4	673.1	501.1	343.2
10°	2124.1	1951.8	1777.4	1615.5	1442.7	1249.2	1063.2	873.8	687.1	513.9	354.3
7.5°	2145.4	1966.2	1793.1	1632.4	1455.2	1262.1	1074.9	884.8	698.0	524.3	363.1
5°	2155.7	1975.7	1805.2	1645.3	1462.3	1271.1	1082.7	891.8	705.5	532.1	369.6
2.5°	2161.1	1980.1	1810.4	1653.0	1465.5	1275.7	1086.5	894.9	709.6	537.2	374.0
0°	2160.7	1979.5	1808.2	1654.1	1464.7	1275.5	1086.2	894.4	710.5	539.6	376.1
-2.5°	2162.3	1982.3	1812.7	1654.5	1467.7	1277.7	1088.9	897.9	713.1	541.2	377.6
-5°	2158.0	1979.8	1810.4	1648.4	1466.5	1274.9	1087.3	897.9	712.3	540.0	376.9
-7.5°	2148.8	1971.8	1802.2	1637.2	1460.8	1267.7	1081.2	894.4	708.0	536.1	374.0
-10°	2130.9	1957.9	1789.7	1622.2	1449.4	1256.2	1070.7	887.3	700.1	529.5	369.0
-12.5°	2109.7	1938.6	1769.0	1604.4	1429.7	1241.0	1057.1	876.6	689.2	520.3	361.7
-15°	2079.8	1916.5	1737.8	1581.0	1407.6	1222.2	1039.9	862.2	676.3	508.4	352.4
-17.5°	2031.5	1890.0	1712.0	1548.8	1381.4	1198.4	1019.1	842.3	660.2	494.0	340.9
-20°	1998.1	1858.4	1681.8	1515.0	1344.6	1169.3	993.1	818.3	640.8	478.4	327.4



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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°	1967.0	1803.4	1654.8	1478.0	1305.0	1133.9	963.0	791.2	618.0	460.4	311.8
-25°	1929.5	1752.3	1604.5	1443.9	1270.3	1094.3	930.4	758.2	592.6	440.1	296.0
-27.5°	1863.7	1712.9	1546.0	1389.2	1222.8	1055.8	894.6	720.9	564.6	417.1	279.8
-30°	1792.3	1661.5	1495.1	1323.9	1167.9	1010.5	854.6	685.0	534.6	391.7	262.0
-32.5°	1741.7	1578.2	1433.3	1269.8	1103.1	959.8	808.6	646.1	502.7	364.4	241.8
-35°	1665.8	1513.5	1346.1	1206.4	1050.0	905.3	751.3	606.2	469.2	335.3	219.5
-37.5°	1574.4	1426.2	1277.3	1117.6	987.6	847.1	695.2	561.3	433.0	307.1	197.1
-40°	1483.2	1330.2	1197.5	1054.3	920.4	780.8	639.1	513.0	394.0	280.4	175.7
-42.5°	1361.1	1248.9	1095.7	978.3	849.5	709.7	582.5	465.0	352.2	249.8	155.2
-45°	1263.8	1120.5	1019.8	897.9	769.7	639.9	519.4	414.3	311.7	216.0	137.2
-47.5°	1128.3	1033.9	929.4	812.4	685.5	569.7	463.1	363.3	272.7	187.4	118.5
-50°	1020.5	925.9	833.1	717.0	605.2	494.9	403.7	313.6	230.9	158.9	99.0
-52.5°	900.4	820.6	722.8	622.9	513.9	430.9	346.1	263.9	191.5	133.9	79.0
-55°	788.0	698.9	613.7	520.4	443.2	364.7	286.7	219.0	156.5	108.3	59.2
-57.5°	656.5	581.8	503.2	438.9	369.5	298.9	234.2	172.3	127.8	82.7	50.2
-60°	533.9	471.9	412.5	357.8	296.8	237.2	182.6	138.6	98.8	59.8	42.5
-62.5°	421.7	372.1	329.2	274.7	230.8	181.2	141.3	106.8	69.9	48.1	36.3
-65°	323.5	286.6	238.9	212.2	167.1	136.7	107.0	75.0	52.7	40.1	30.5
-67.5°	228.6	206.8	177.9	147.2	125.3	100.5	72.9	53.9	41.9	32.9	25.1
-70°	164.2	142.0	122.8	104.2	86.6	66.2	51.1	41.5	33.5	26.4	20.2
-72.5°	105.8	90.4	79.4	66.9	56.3	46.5	38.6	32.1	26.0	20.6	16.6
-75°	65.3	59.3	52.0	45.8	39.7	34.3	28.8	24.0	19.7	16.2	13.0
-77.5°	45.0	40.5	36.4	32.2	28.2	24.3	20.7	17.5	14.7	12.2	9.4
-80°	29.7	26.9	24.0	21.4	18.8	16.2	14.4	12.5	10.4	8.2	5.9
-82.5°	17.8	16.4	15.1	13.7	12.4	11.0	9.4	7.8	6.2	4.9	3.7
-85°	10.2	9.3	8.4	7.5	6.6	5.7	4.7	3.8	3.1	2.6	2.1
-87.5°	3.4	3.1	2.8	2.6	2.3	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°	0.1	0.1	0.1	0.1	0.1	0.0	0.0
85°	0.3	0.3	0.3	0.2	0.2	0.1	0.0
82.5°	0.7	0.7	0.6	0.3	0.3	0.1	0.0
80°	1.6	1.2	1.0	0.7	0.3	0.2	0.0
77.5°	2.7	2.1	1.5	1.0	0.5	0.2	0.0
75°	3.7	3.0	2.2	1.4	0.8	0.3	0.0
72.5°	4.8	3.8	2.9	1.9	1.1	0.3	0.0
70°	6.2	4.8	3.6	2.4	1.3	0.4	0.0
67.5°	9.1	6.0	4.3	2.9	1.6	0.4	0.0
65°	12.4	7.8	5.1	3.5	1.9	0.5	0.0
62.5°	16.2	10.2	6.2	4.0	2.3	0.7	0.0
60°	20.5	12.9	7.2	4.5	2.6	0.8	0.0
57.5°	25.0	15.9	9.1	5.0	2.9	1.0	0.0
55°	30.2	19.1	11.0	5.8	3.2	1.1	0.0
52.5°	35.3	22.8	12.9	6.7	3.5	1.3	0.0
50°	40.2	26.3	15.2	7.5	3.9	1.4	0.0
47.5°	45.2	30.3	17.3	8.4	4.2	1.5	0.0
45°	51.6	34.0	19.6	9.7	4.5	1.7	0.0
42.5°	57.9	37.7	22.2	10.9	4.7	1.8	0.0
40°	66.0	41.2	24.7	12.1	5.0	1.9	0.0
37.5°	74.1	44.5	27.1	13.2	5.3	2.0	0.0
35°	84.1	48.9	29.6	14.5	5.7	2.1	0.0
32.5°	95.2	53.6	32.0	15.8	6.1	2.2	0.0
30°	106.0	58.2	34.2	17.0	6.6	2.4	0.0
27.5°	121.9	63.0	36.2	18.1	7.0	2.5	0.0
25°	137.6	68.9	38.2	19.1	7.4	2.5	0.0
22.5°	152.0	74.4	39.9	20.1	7.7	2.6	0.0
20°	165.7	79.7	41.6	21.0	8.0	2.7	0.0
17.5°	178.7	84.8	43.0	22.1	8.3	2.8	0.0
15°	190.2	89.9	44.3	23.0	8.6	2.8	0.0
12.5°	200.3	95.2	45.4	23.8	8.9	2.9	0.0
10°	208.9	99.9	46.4	24.4	9.1	2.9	0.0
7.5°	215.9	103.9	47.1	25.0	9.3	3.0	0.0
5°	221.4	107.2	47.7	25.4	9.4	3.0	0.0
2.5°	225.5	109.7	48.2	25.8	9.5	3.0	0.0
0°	228.0	111.4	48.4	25.9	9.6	3.0	0.0
-2.5°	229.4	112.5	48.7	26.0	9.7	3.1	0.0
-5°	229.3	112.7	48.8	26.0	9.7	3.1	0.0
-7.5°	227.6	112.1	48.6	25.8	9.7	3.0	0.0
-10°	224.4	110.5	48.3	25.5	9.6	3.0	0.0
-12.5°	219.5	108.2	47.8	25.0	9.6	3.0	0.0
-15°	213.1	104.9	47.1	24.5	9.4	3.0	0.0
-17.5°	204.9	101.3	46.1	23.8	9.3	2.9	0.0
-20°	195.2	97.3	44.9	23.0	9.1	2.9	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	184.9	92.5	43.4	22.2	8.8	2.8	0.0
-25°	173.8	86.8	41.7	21.4	8.5	2.7	0.0
-27.5°	161.4	80.3	40.0	20.6	8.2	2.6	0.0
-30°	148.3	74.1	38.3	19.7	7.8	2.6	0.0
-32.5°	137.5	67.5	36.4	18.6	7.4	2.5	0.0
-35°	125.6	60.0	34.3	17.5	7.0	2.4	0.0
-37.5°	113.3	53.3	32.1	16.4	6.6	2.2	0.0
-40°	100.7	49.4	29.8	15.4	6.3	2.1	0.0
-42.5°	87.2	45.2	27.4	14.3	6.0	2.0	0.0
-45°	74.0	41.3	24.9	13.2	5.7	1.9	0.0
-47.5°	59.7	37.8	22.8	12.1	5.3	1.8	0.0
-50°	52.1	34.2	20.6	11.1	4.9	1.6	0.0
-52.5°	45.4	30.6	18.4	10.0	4.5	1.5	0.0
-55°	40.3	26.9	16.5	8.9	4.1	1.3	0.0
-57.5°	35.4	23.6	14.8	7.8	3.8	1.2	0.0
-60°	30.7	20.5	12.9	7.0	3.4	1.0	0.0
-62.5°	26.1	17.7	11.3	6.1	3.0	0.9	0.0
-65°	22.0	15.3	9.6	5.2	2.6	0.7	0.0
-67.5°	18.5	13.0	8.0	4.4	2.3	0.6	0.0
-70°	15.6	10.6	6.5	3.7	1.9	0.5	0.0
-72.5°	12.6	8.4	5.0	3.1	1.6	0.5	0.0
-75°	9.6	6.2	4.0	2.4	1.2	0.4	0.0
-77.5°	6.6	4.5	3.0	1.9	0.9	0.3	0.0
-80°	4.4	3.2	2.2	1.4	0.6	0.3	0.0
-82.5°	2.8	2.1	1.5	0.8	0.5	0.2	0.0
-85°	1.7	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)