

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: P622926 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF65-XX-PC-65W-7050**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622926 (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-7050
Description: Flood light with selectable wattage and CCT
Light Source: (1) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

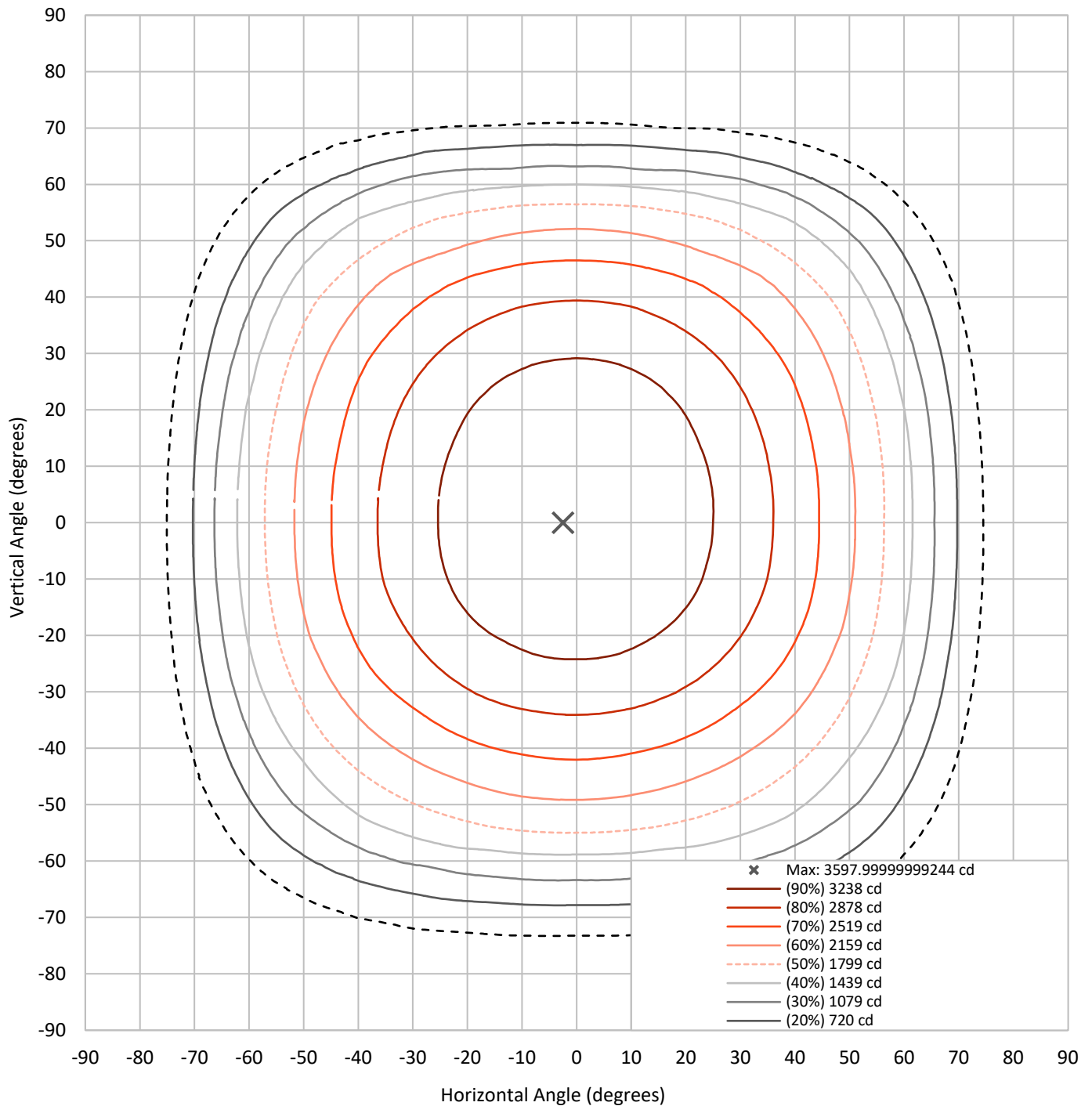
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	9743.3 lumens	Max Intensity:	3598 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	154.4 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:	7816.7 lumens	Field Lumens:	9599 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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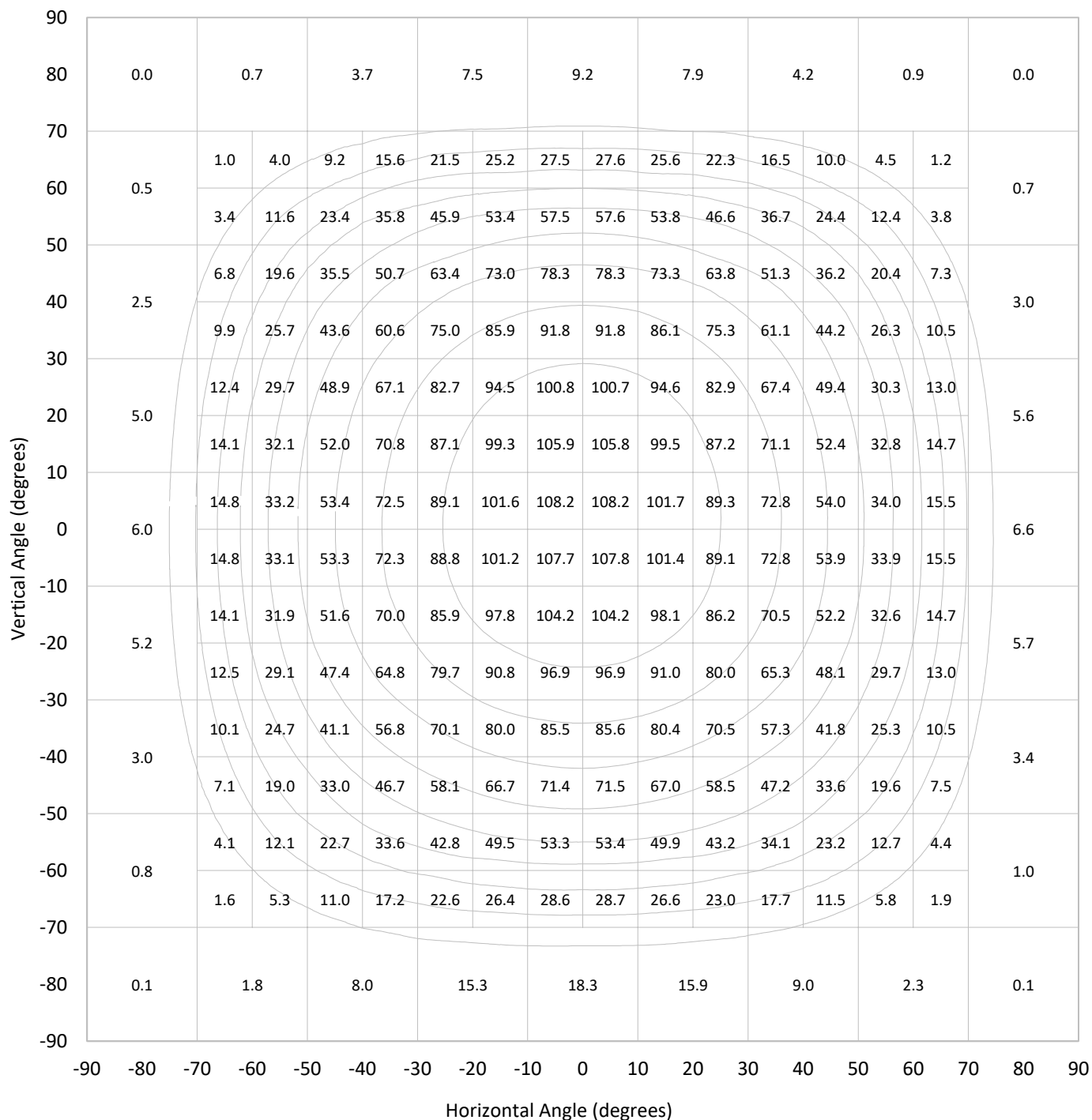
Iso-Candela Plot





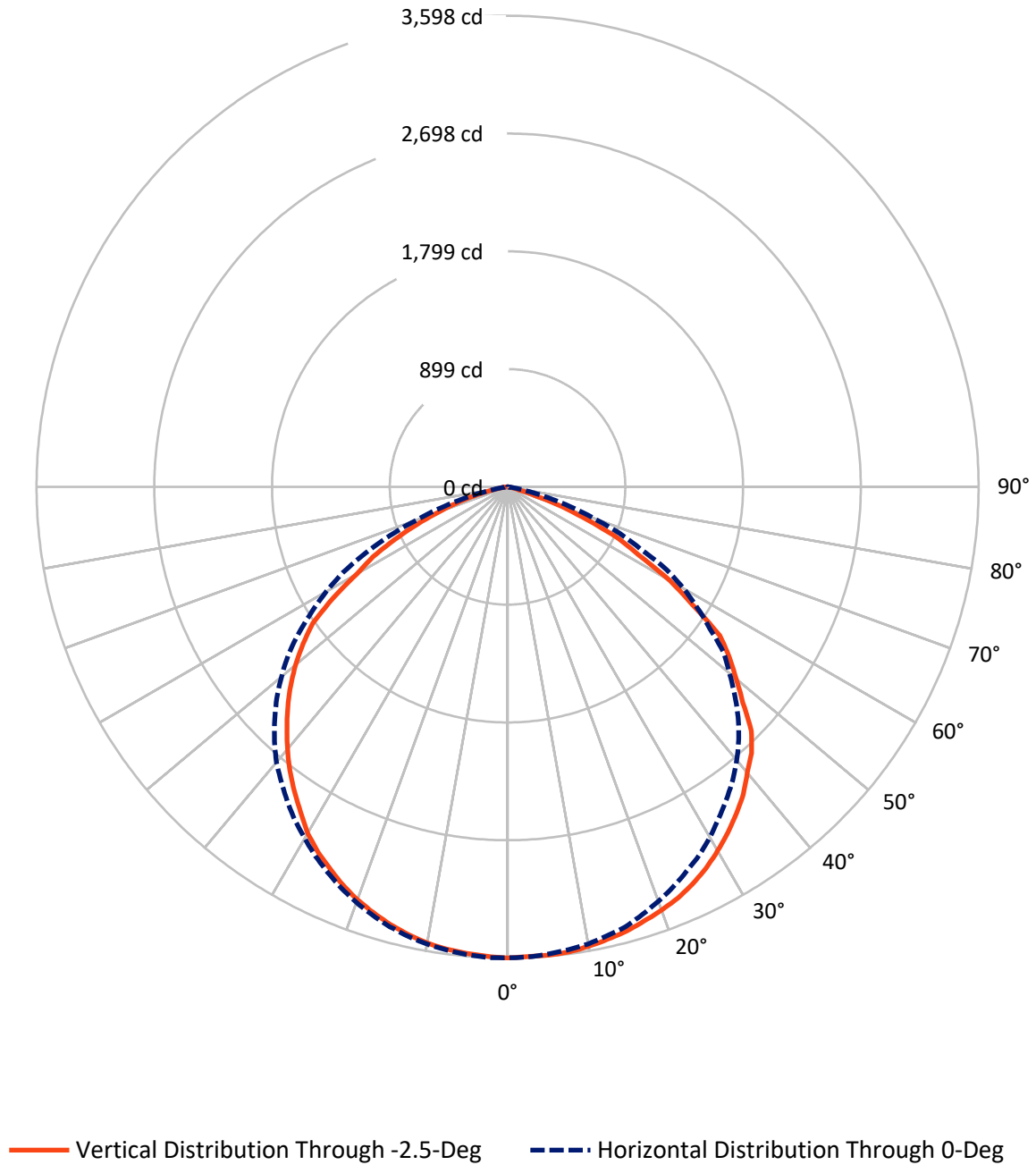
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Lumen Table



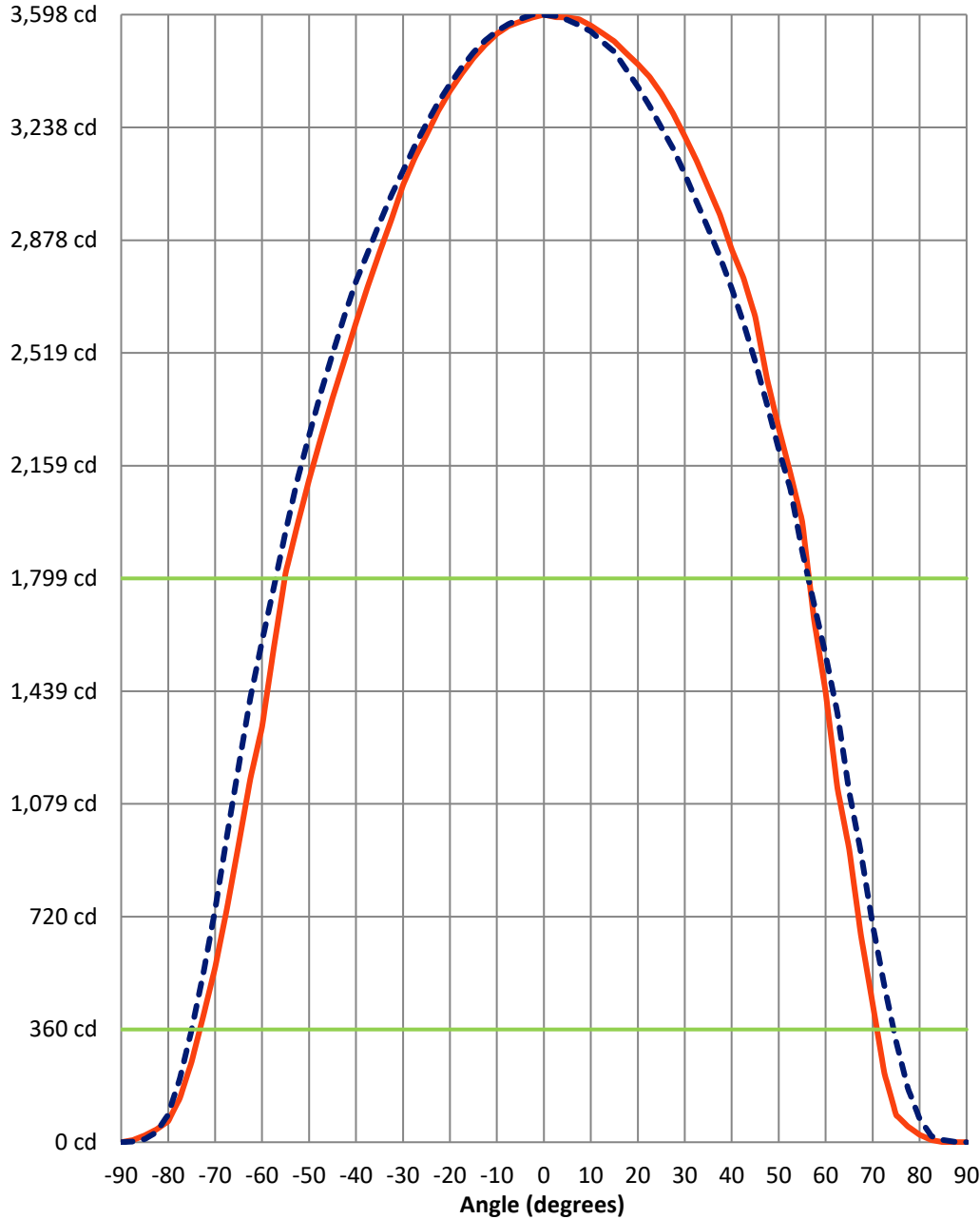
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 113.4°
 V Angle: 111.6°
 Lumens: 7816.7
 Efficiency: 80.2%

Field:
 H Angle: 149.5°
 V Angle: 144.2°
 Lumens: 9599
 Efficiency: 98.5%

Spill:
 Lumens: 144.3
 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	0.9	1.1
80°	0.0	0.4	0.8	0.9	0.9	1.0	1.0	1.1	2.0	2.6	3.3
77.5°	0.0	0.5	0.9	1.0	1.1	1.3	2.0	3.3	4.5	5.9	7.4
75°	0.0	0.6	1.0	1.1	1.5	2.2	4.1	5.8	7.5	9.4	11.9
72.5°	0.0	0.8	1.1	1.4	1.8	3.9	6.2	8.3	10.5	14.4	18.5
70°	0.0	0.9	1.2	1.7	3.1	5.7	8.3	10.8	15.8	21.2	30.2
67.5°	0.0	1.0	1.3	1.9	4.4	7.5	10.6	15.6	22.2	34.6	52.1
65°	0.0	1.0	1.4	2.6	5.7	9.6	14.1	21.2	34.1	56.4	80.3
62.5°	0.0	1.1	1.6	3.5	7.2	11.9	18.8	27.1	54.3	81.7	112.6
60°	0.0	1.1	1.8	4.3	8.7	15.0	23.7	45.8	76.6	107.5	159.3
57.5°	0.0	1.2	2.0	5.2	10.8	18.8	28.7	64.9	98.8	147.5	216.7
55°	0.0	1.2	2.2	6.3	13.0	22.7	43.9	83.3	126.8	197.4	272.9
52.5°	0.0	1.3	2.5	7.4	15.3	26.6	58.7	101.7	162.5	248.2	342.1
50°	0.0	1.3	3.0	8.4	18.2	30.5	73.6	122.7	207.5	300.5	404.8
47.5°	0.0	1.3	3.5	9.6	21.0	41.5	88.2	151.7	251.5	355.6	470.1
45°	0.0	1.4	4.0	11.3	23.8	52.1	103.5	183.3	292.5	408.1	543.6
42.5°	0.0	1.4	4.4	12.9	26.6	62.7	118.5	217.1	334.2	461.8	616.8
40°	0.0	1.5	4.8	14.4	29.3	73.3	140.3	249.3	374.6	516.1	667.2
37.5°	0.0	1.5	5.2	16.0	31.8	83.4	160.9	279.6	414.2	575.2	729.6
35°	0.0	1.6	5.7	17.7	37.2	94.1	183.4	309.7	452.9	623.0	791.2
32.5°	0.0	1.6	6.3	19.3	43.4	104.9	206.2	339.3	489.6	659.4	849.1
30°	0.0	1.7	6.8	20.9	49.2	115.1	227.4	367.2	527.8	702.7	903.2
27.5°	0.0	1.8	7.2	22.4	54.5	125.7	246.9	394.2	567.4	746.1	953.3
25°	0.0	1.8	7.7	23.8	59.6	138.0	264.7	419.1	602.2	786.5	988.9
22.5°	0.0	1.9	8.1	25.1	64.9	149.1	280.8	441.6	626.7	823.9	1022.1
20°	0.0	2.0	8.4	26.2	69.7	159.2	295.9	461.0	649.1	857.5	1058.9
17.5°	0.0	2.0	8.8	27.3	73.9	168.2	310.6	477.7	669.9	887.6	1090.4
15°	0.0	2.0	9.1	28.3	77.7	176.7	323.4	491.9	690.9	913.7	1118.3
12.5°	0.0	2.1	9.3	29.2	80.8	184.8	334.3	505.3	708.2	935.8	1145.3
10°	0.0	2.1	9.5	29.9	83.5	191.4	343.2	518.5	721.9	951.3	1166.9
7.5°	0.0	2.1	9.7	30.5	85.6	196.6	350.1	528.5	732.1	962.4	1183.0
5°	0.0	2.2	9.9	31.0	87.1	200.4	355.1	535.3	738.8	970.2	1193.6
2.5°	0.0	2.2	9.9	31.4	88.0	202.7	358.0	538.9	742.2	974.5	1198.6
0°	0.0	2.2	10.0	31.6	88.4	203.7	358.9	539.5	742.3	975.3	1198.2
-2.5°	0.0	2.2	10.1	31.9	89.1	204.5	358.9	539.8	742.8	974.5	1198.5
-5°	0.0	2.2	10.2	32.1	89.2	203.8	356.9	537.0	740.1	970.2	1193.4
-7.5°	0.0	2.2	10.2	32.1	88.7	201.8	353.0	531.3	734.1	962.1	1182.9
-10°	0.0	2.2	10.2	32.0	87.6	198.5	347.2	522.6	724.7	950.5	1167.0
-12.5°	0.0	2.2	10.2	31.7	85.9	193.8	339.6	511.1	711.9	934.4	1145.8
-15°	0.0	2.2	10.1	31.2	83.6	187.8	330.3	499.2	695.7	912.6	1119.3
-17.5°	0.0	2.2	9.9	30.6	80.7	181.1	319.3	486.4	675.9	887.1	1092.1
-20°	0.0	2.2	9.7	29.7	77.3	173.6	306.7	471.0	655.2	858.0	1061.4

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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	9.4	28.9	73.2	165.0	293.9	453.1	632.2	826.3	1025.4
-25°	0.0	2.1	9.0	27.9	68.5	155.1	280.3	431.5	606.9	791.7	989.3
-27.5°	0.0	2.1	8.6	26.9	64.1	144.0	265.3	406.6	575.6	754.0	949.8
-30°	0.0	2.0	8.2	25.7	59.4	133.8	248.8	379.4	541.3	712.9	902.0
-32.5°	0.0	1.9	7.7	24.4	54.3	123.6	231.0	354.4	507.1	670.5	851.4
-35°	0.0	1.9	7.1	23.0	48.6	112.5	211.9	329.4	472.4	631.4	799.3
-37.5°	0.0	1.8	6.5	21.4	43.5	101.5	192.1	304.1	434.3	587.2	741.8
-40°	0.0	1.8	6.2	19.8	40.4	91.5	171.9	278.7	393.0	538.4	682.5
-42.5°	0.0	1.7	5.8	18.1	37.1	80.8	150.3	252.0	356.9	487.3	630.1
-45°	0.0	1.7	5.4	16.3	33.4	70.3	133.3	224.1	323.3	434.0	566.1
-47.5°	0.0	1.7	4.9	14.3	30.6	60.1	115.5	195.2	289.8	379.9	499.7
-50°	0.0	1.6	4.5	12.8	27.9	49.3	99.7	165.4	253.7	338.4	436.1
-52.5°	0.0	1.6	4.0	11.3	25.0	43.5	83.7	140.7	216.3	296.1	375.1
-55°	0.0	1.5	3.7	9.7	22.0	37.2	68.8	117.6	177.9	252.7	326.8
-57.5°	0.0	1.5	3.4	8.0	19.0	32.5	53.6	97.1	144.3	208.1	277.2
-60°	0.0	1.4	3.1	7.1	15.8	28.4	44.6	76.6	115.7	162.5	226.5
-62.5°	0.0	1.3	2.8	6.1	13.2	24.3	36.3	56.8	90.8	127.7	174.7
-65°	0.0	1.3	2.5	5.2	10.4	20.0	31.1	44.7	67.8	98.4	132.0
-67.5°	0.0	1.2	2.2	4.4	8.3	15.9	25.8	35.5	50.0	72.2	98.8
-70°	0.0	1.0	2.0	3.8	6.8	11.9	20.4	28.8	37.5	51.3	70.3
-72.5°	0.0	0.9	1.8	3.2	5.3	8.9	15.0	22.4	29.1	37.1	48.4
-75°	0.0	0.8	1.6	2.6	4.4	6.9	10.2	16.0	22.1	27.7	34.0
-77.5°	0.0	0.7	1.4	2.2	3.4	5.2	7.6	10.7	15.0	20.0	24.7
-80°	0.0	0.5	1.2	1.8	2.7	3.8	5.5	7.2	9.8	12.8	16.5
-82.5°	0.0	0.4	0.9	1.5	2.1	2.8	3.7	4.9	6.3	7.8	9.8
-85°	0.0	0.3	0.6	1.0	1.4	1.9	2.5	3.1	3.8	4.5	5.5
-87.5°	0.0	0.1	0.3	0.5	0.7	1.0	1.2	1.5	1.9	2.2	2.6
-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-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	0.4	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	1.2	1.3	2.0	2.5	2.7	2.8	3.2	3.9	4.5	5.2
80°	4.3	5.5	6.5	7.4	8.3	9.1	9.9	10.7	12.4	13.9	14.9
77.5°	9.0	10.8	12.2	14.0	16.7	19.2	22.4	25.2	27.9	30.7	33.2
75°	14.5	17.9	21.5	26.6	31.7	39.2	44.6	54.7	64.1	70.6	74.0
72.5°	23.2	30.7	40.4	53.1	66.4	80.6	95.2	107.6	115.6	125.7	132.5
70°	41.7	58.8	75.5	95.1	116.4	139.4	161.6	186.7	209.7	233.7	268.3
67.5°	72.6	92.8	121.7	156.4	188.4	224.7	263.7	311.8	348.3	373.6	428.8
65°	107.3	145.2	190.6	230.0	290.2	344.6	390.8	449.6	522.7	562.4	598.5
62.5°	158.9	211.7	271.1	341.7	401.9	468.7	558.6	617.6	658.7	724.1	793.1
60°	220.9	290.0	370.6	444.1	542.3	628.8	694.6	769.6	851.8	934.7	1014.7
57.5°	289.7	377.4	464.2	587.9	681.2	764.0	856.4	949.2	1044.0	1153.4	1255.1
55°	368.0	461.8	593.2	712.6	814.2	916.3	1016.6	1122.0	1265.0	1379.2	1436.4
52.5°	441.2	570.1	697.3	830.8	950.7	1057.1	1179.7	1327.1	1433.8	1515.1	1583.9
50°	524.8	663.5	803.6	945.6	1073.9	1205.8	1360.7	1468.1	1555.2	1636.7	1712.4
47.5°	617.2	754.7	906.3	1047.6	1197.1	1366.9	1482.0	1576.5	1663.8	1754.4	1839.6
45°	684.9	845.7	1000.5	1146.6	1337.5	1478.1	1580.4	1673.7	1782.7	1879.7	1984.3
42.5°	764.6	932.9	1084.1	1276.4	1436.3	1566.1	1667.2	1792.1	1898.6	2005.4	2112.8
40°	840.6	1006.4	1180.7	1371.5	1519.0	1639.5	1779.3	1898.7	2003.2	2112.5	2207.6
37.5°	912.7	1076.3	1280.9	1444.2	1588.3	1724.0	1874.8	1985.8	2094.5	2197.6	2288.6
35°	975.6	1155.7	1352.3	1520.3	1652.7	1808.0	1943.2	2059.2	2172.9	2273.3	2373.3
32.5°	1023.0	1239.7	1411.1	1576.2	1723.8	1870.9	2007.2	2131.0	2241.2	2353.9	2444.9
30°	1083.8	1294.6	1477.5	1631.2	1783.5	1933.7	2071.5	2191.7	2312.2	2419.1	2514.0
27.5°	1143.9	1341.1	1529.6	1683.1	1831.0	1993.1	2128.1	2249.7	2371.4	2474.8	2575.8
25°	1202.8	1387.9	1571.8	1725.9	1882.1	2045.7	2177.0	2301.7	2415.1	2526.0	2628.1
22.5°	1249.3	1440.2	1614.1	1758.7	1935.6	2090.3	2222.1	2343.4	2458.5	2570.4	2667.8
20°	1285.6	1486.6	1649.3	1795.9	1983.6	2128.5	2258.9	2379.2	2495.1	2606.3	2707.5
17.5°	1318.1	1515.9	1679.0	1832.1	2019.3	2161.8	2285.8	2410.5	2528.3	2639.0	2742.7
15°	1344.5	1541.4	1704.3	1868.8	2050.1	2189.8	2312.6	2436.3	2554.4	2668.3	2772.1
12.5°	1366.6	1562.5	1725.9	1897.5	2073.3	2211.7	2337.8	2461.8	2578.3	2693.5	2792.5
10°	1385.1	1578.8	1744.0	1919.8	2091.5	2228.1	2359.5	2483.4	2601.8	2716.2	2811.2
7.5°	1401.2	1590.4	1757.4	1936.0	2104.3	2241.0	2375.5	2500.1	2619.1	2731.8	2825.9
5°	1411.9	1597.6	1766.2	1946.1	2111.8	2250.3	2385.6	2510.7	2630.1	2742.0	2835.3
2.5°	1417.4	1600.5	1770.7	1950.0	2114.5	2255.1	2390.9	2515.7	2635.5	2747.0	2839.5
0°	1417.7	1599.1	1770.8	1947.7	2112.6	2254.6	2390.9	2515.2	2635.3	2746.6	2838.5
-2.5°	1416.3	1598.1	1769.6	1946.2	2111.5	2253.9	2389.8	2514.6	2634.9	2746.2	2839.1
-5°	1410.1	1593.0	1764.0	1938.8	2106.0	2247.8	2383.4	2508.7	2629.0	2740.4	2834.8
-7.5°	1399.1	1583.7	1753.9	1925.6	2096.2	2236.9	2372.0	2497.2	2617.5	2729.1	2825.9
-10°	1383.4	1570.2	1739.1	1906.9	2080.9	2221.9	2354.8	2479.8	2600.3	2712.4	2812.3
-12.5°	1365.0	1552.3	1718.5	1882.9	2060.0	2202.1	2332.1	2457.3	2577.3	2689.6	2789.6
-15°	1342.9	1529.7	1693.7	1855.4	2034.0	2172.5	2305.7	2430.5	2546.0	2654.2	2751.2
-17.5°	1316.7	1502.3	1664.6	1822.3	1995.8	2137.8	2274.9	2394.3	2505.5	2610.6	2707.9
-20°	1284.4	1471.2	1630.7	1786.6	1952.6	2100.2	2233.0	2349.5	2459.9	2564.6	2659.7

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CATALOG NUMBER: LSF65-XX-PC-65W-7050

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1248.0	1429.7	1592.6	1747.5	1901.3	2050.8	2177.4	2297.4	2412.0	2514.5	2603.5
-25°	1202.5	1384.1	1550.0	1698.8	1845.6	1993.3	2113.6	2242.2	2355.4	2456.5	2548.6
-27.5°	1145.6	1338.4	1498.6	1642.2	1787.6	1930.0	2054.5	2173.3	2287.9	2395.7	2484.3
-30°	1087.4	1285.1	1440.7	1579.0	1725.9	1864.7	1988.5	2094.8	2215.5	2319.9	2407.6
-32.5°	1026.4	1226.7	1374.7	1514.2	1653.3	1793.2	1917.6	2022.5	2126.0	2236.0	2324.3
-35°	971.6	1147.8	1310.6	1448.0	1571.5	1715.1	1843.5	1947.6	2041.2	2140.4	2233.3
-37.5°	908.5	1072.6	1242.3	1372.1	1493.7	1621.6	1758.5	1870.6	1959.5	2046.0	2134.9
-40°	841.6	1000.3	1157.7	1297.8	1415.3	1524.9	1656.5	1777.2	1873.9	1956.0	2034.6
-42.5°	775.0	924.0	1073.5	1218.3	1332.1	1436.8	1546.6	1672.4	1774.4	1861.9	1937.1
-45°	703.2	843.6	988.6	1122.5	1247.2	1349.9	1453.3	1557.4	1666.8	1753.9	1833.6
-47.5°	637.1	766.7	895.0	1034.0	1150.7	1258.6	1358.3	1455.3	1550.3	1644.2	1718.3
-50°	554.4	686.4	807.9	929.4	1055.2	1148.6	1252.7	1349.5	1439.8	1526.1	1607.1
-52.5°	476.0	600.1	720.3	828.8	933.8	1029.4	1122.7	1228.6	1318.9	1405.9	1478.0
-55°	404.8	499.8	627.1	735.6	819.9	904.9	984.3	1068.0	1185.7	1262.6	1329.7
-57.5°	345.1	418.8	506.1	627.1	716.0	788.9	858.0	924.7	988.0	1083.2	1170.5
-60°	289.7	350.9	416.8	492.1	586.3	673.6	741.9	798.9	853.6	900.8	965.0
-62.5°	232.7	289.8	344.8	399.1	458.8	525.9	603.3	680.7	729.1	770.5	812.4
-65°	174.8	226.7	277.6	320.3	368.2	416.0	462.9	514.8	571.8	640.0	675.6
-67.5°	127.2	162.8	207.8	247.1	282.8	319.4	368.2	403.8	436.2	464.9	512.6
-70°	92.6	115.2	143.1	174.0	206.9	236.8	263.4	286.9	331.2	366.6	385.6
-72.5°	62.9	81.5	98.4	113.8	135.7	158.8	183.6	205.6	225.3	245.5	266.8
-75°	42.0	53.5	64.2	76.3	87.7	99.1	110.6	127.4	141.8	155.6	167.2
-77.5°	28.9	34.1	40.3	46.4	53.5	59.7	67.8	75.3	81.7	87.9	93.8
-80°	20.3	23.9	26.7	29.3	32.1	35.9	38.9	41.7	45.8	49.3	52.0
-82.5°	12.3	15.0	17.1	19.2	21.1	23.0	24.8	26.6	28.0	29.4	30.6
-85°	6.6	7.7	8.6	9.4	10.4	11.7	12.9	14.1	15.1	16.0	16.9
-87.5°	3.0	3.4	3.8	4.1	4.5	4.8	5.1	5.5	5.6	5.7	5.9
-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: P622926 (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°
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°	5.8	6.4	6.9	7.0	7.1	7.1	7.1	7.0	6.9	7.1	7.1
80°	16.2	17.5	18.6	19.6	20.6	21.5	22.2	22.7	23.0	23.5	23.8
77.5°	37.0	39.9	40.6	42.0	43.8	45.3	46.5	47.4	48.2	49.2	49.9
75°	75.0	73.8	70.2	71.4	76.8	83.5	92.5	102.2	109.0	108.8	105.5
72.5°	139.1	148.9	160.4	182.3	200.2	207.3	205.2	198.5	187.8	192.4	205.8
70°	291.5	305.5	326.2	349.1	368.5	378.8	385.7	390.2	396.4	406.8	419.7
67.5°	466.1	489.1	519.1	555.5	567.0	567.9	575.9	606.5	627.6	647.0	658.6
65°	639.3	666.9	727.2	801.0	828.2	850.6	868.1	880.5	887.8	898.4	914.5
62.5°	869.5	928.8	981.6	1026.7	1059.6	1082.0	1090.6	1089.1	1082.7	1082.8	1101.2
60°	1090.8	1163.2	1211.2	1237.7	1247.1	1274.0	1324.4	1364.1	1384.9	1392.8	1408.8
57.5°	1321.9	1353.0	1371.9	1420.5	1497.8	1557.4	1578.6	1579.5	1592.6	1623.1	1653.9
55°	1471.7	1537.8	1622.4	1694.5	1747.6	1773.9	1811.6	1855.9	1891.9	1925.3	1943.2
52.5°	1654.3	1724.5	1787.3	1843.9	1891.3	1935.6	1975.9	2013.9	2049.1	2078.2	2100.0
50°	1786.7	1862.4	1932.6	1988.9	2026.6	2068.1	2115.1	2156.5	2191.6	2217.6	2239.1
47.5°	1932.9	2020.8	2079.0	2124.3	2165.0	2214.4	2273.1	2319.4	2348.4	2368.1	2389.9
45°	2092.4	2154.3	2205.0	2257.7	2327.6	2400.4	2444.7	2478.4	2514.2	2552.3	2586.5
42.5°	2203.0	2265.0	2325.6	2401.1	2470.4	2523.9	2568.4	2611.9	2651.0	2685.3	2715.0
40°	2289.0	2363.2	2440.6	2509.7	2565.9	2618.0	2660.7	2711.6	2754.0	2784.2	2808.0
37.5°	2376.6	2459.3	2531.8	2591.7	2647.7	2708.8	2768.0	2809.3	2848.5	2882.8	2912.7
35°	2459.7	2539.1	2604.0	2671.4	2740.3	2797.0	2853.9	2897.6	2937.6	2973.1	2997.9
32.5°	2533.9	2608.5	2680.6	2749.5	2818.7	2877.8	2931.8	2977.9	3017.6	3051.9	3081.7
30°	2599.4	2676.3	2749.8	2824.6	2891.0	2956.3	3005.4	3056.4	3100.5	3133.4	3161.1
27.5°	2659.3	2738.0	2817.6	2889.2	2962.9	3017.7	3078.0	3126.5	3170.5	3201.7	3234.1
25°	2712.9	2796.8	2872.4	2945.8	3013.6	3082.7	3135.6	3185.0	3231.5	3268.1	3295.8
22.5°	2760.1	2844.7	2915.9	2990.0	3063.6	3129.4	3187.8	3236.3	3280.7	3319.2	3348.3
20°	2801.7	2879.5	2955.0	3030.7	3103.4	3168.5	3227.8	3279.7	3325.9	3361.0	3391.8
17.5°	2833.2	2911.2	2988.6	3065.6	3134.8	3202.6	3264.3	3318.5	3365.3	3399.2	3426.7
15°	2859.2	2939.7	3017.0	3095.6	3163.1	3235.1	3297.2	3351.5	3395.8	3432.2	3457.5
12.5°	2881.1	2961.4	3044.0	3118.4	3195.2	3261.9	3322.3	3378.5	3423.3	3457.1	3490.1
10°	2899.1	2977.8	3063.5	3144.3	3216.1	3282.9	3344.9	3397.5	3438.5	3482.3	3508.8
7.5°	2914.5	2995.0	3079.0	3162.4	3235.8	3297.8	3359.7	3415.3	3458.8	3497.7	3527.0
5°	2925.2	3009.2	3091.2	3173.7	3244.8	3310.8	3368.3	3425.5	3466.0	3502.9	3532.8
2.5°	2931.4	3018.2	3098.0	3178.8	3249.8	3318.1	3377.3	3429.6	3473.2	3508.3	3540.2
0°	2932.6	3020.7	3099.0	3178.8	3249.8	3317.7	3376.4	3429.7	3477.3	3515.6	3545.6
-2.5°	2930.7	3017.9	3098.2	3175.7	3248.3	3315.5	3373.6	3426.6	3471.5	3507.6	3541.3
-5°	2923.6	3009.5	3090.8	3165.8	3240.8	3305.7	3363.4	3416.6	3459.3	3495.5	3528.1
-7.5°	2911.6	2995.2	3076.6	3151.7	3227.1	3288.6	3350.3	3403.6	3445.7	3479.8	3510.5
-10°	2895.0	2974.0	3054.9	3132.5	3203.2	3266.6	3331.2	3383.4	3422.7	3455.5	3486.3
-12.5°	2869.3	2944.3	3024.9	3103.0	3171.9	3240.3	3300.4	3350.4	3391.5	3421.2	3450.3
-15°	2835.7	2908.8	2986.5	3066.0	3138.0	3201.9	3256.8	3309.7	3352.9	3383.2	3409.1
-17.5°	2796.2	2868.4	2940.7	3019.8	3090.3	3152.9	3210.7	3260.4	3300.8	3332.8	3356.6
-20°	2747.5	2823.4	2891.1	2963.5	3035.1	3098.7	3153.7	3202.3	3243.9	3273.9	3301.8



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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°	2691.1	2771.8	2839.3	2904.8	2970.6	3034.9	3090.9	3136.9	3175.6	3211.1	3240.3
-25°	2629.1	2707.1	2780.8	2844.9	2905.6	2962.7	3018.4	3064.9	3101.1	3139.1	3170.7
-27.5°	2556.6	2632.5	2708.2	2776.9	2836.9	2891.6	2944.5	2989.7	3024.0	3062.1	3091.2
-30°	2482.6	2550.2	2622.3	2693.7	2756.8	2809.9	2859.9	2908.9	2947.9	2977.1	3005.1
-32.5°	2398.8	2465.4	2529.5	2596.0	2663.0	2718.7	2765.1	2807.6	2847.9	2879.9	2902.0
-35°	2309.7	2375.0	2433.5	2498.8	2559.4	2617.9	2663.6	2704.0	2741.1	2771.2	2793.9
-37.5°	2214.4	2279.1	2341.2	2399.9	2456.7	2511.8	2557.2	2599.1	2633.1	2665.6	2689.1
-40°	2111.7	2181.2	2242.2	2301.1	2353.8	2398.5	2445.9	2488.0	2520.4	2548.0	2570.0
-42.5°	2007.4	2074.8	2137.4	2193.2	2244.3	2290.8	2333.5	2369.2	2402.5	2430.9	2451.9
-45°	1902.8	1966.0	2025.3	2079.1	2125.7	2171.2	2216.2	2254.0	2285.6	2310.0	2330.3
-47.5°	1787.6	1853.9	1910.2	1961.2	2007.9	2050.1	2092.4	2130.5	2165.5	2192.2	2211.7
-50°	1669.2	1726.5	1786.1	1839.2	1883.6	1925.1	1965.5	2002.3	2034.9	2063.7	2084.6
-52.5°	1546.1	1606.3	1653.8	1700.1	1746.2	1791.4	1830.3	1863.4	1893.3	1918.0	1938.1
-55°	1374.9	1440.6	1514.6	1569.2	1605.6	1633.6	1673.7	1714.6	1742.6	1765.1	1784.2
-57.5°	1210.8	1248.6	1283.0	1337.4	1406.1	1450.8	1468.1	1476.4	1496.3	1528.0	1556.6
-60°	1033.8	1093.0	1117.8	1135.3	1162.3	1202.0	1234.2	1265.9	1280.7	1286.1	1302.4
-62.5°	860.1	912.6	956.3	986.8	1015.8	1047.6	1071.5	1092.5	1110.3	1125.5	1139.5
-65°	703.9	729.5	766.1	807.5	840.9	862.4	870.9	879.1	891.7	918.4	939.9
-67.5°	559.1	591.9	611.7	628.8	652.5	672.5	689.8	704.1	710.2	717.0	727.6
-70°	403.1	418.8	444.6	481.9	506.2	511.8	515.0	517.9	532.4	549.3	560.7
-72.5°	293.1	318.2	336.1	342.7	347.1	353.8	365.3	378.4	392.2	399.8	401.6
-75°	180.0	194.5	209.3	222.3	232.0	239.1	243.6	245.8	245.7	249.6	253.5
-77.5°	100.7	106.5	110.3	113.5	117.8	121.0	123.1	124.3	125.8	131.1	135.6
-80°	54.8	56.8	57.7	59.3	61.4	64.0	65.4	65.8	65.3	66.0	66.5
-82.5°	32.1	33.6	34.9	36.1	37.0	37.8	38.4	39.1	39.6	40.1	40.4
-85°	17.7	18.5	19.1	19.5	19.9	20.2	20.5	20.7	20.9	21.2	21.4
-87.5°	6.0	6.2	6.3	6.5	6.6	6.7	6.8	6.9	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°	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
82.5°	7.1	7.1	7.0	6.8	6.8	6.8	6.8	6.6	6.4	6.2	6.2
80°	24.0	24.0	23.8	23.5	23.6	23.5	23.3	22.9	22.3	21.7	21.2
77.5°	50.3	50.5	50.3	49.9	50.0	49.9	49.5	48.7	47.7	46.5	45.5
75°	100.6	94.4	87.2	79.3	84.6	89.4	93.4	96.3	98.0	98.2	97.0
72.5°	214.6	219.3	220.3	218.2	219.6	217.8	212.4	203.0	189.2	181.0	184.9
70°	430.3	437.8	441.8	441.4	440.6	435.0	424.7	410.1	391.1	372.8	357.8
67.5°	663.9	664.8	661.3	653.0	660.3	662.9	661.1	655.2	642.2	617.3	591.4
65°	926.3	933.3	935.3	931.9	933.5	929.8	921.1	908.0	890.7	875.0	859.5
62.5°	1126.1	1134.6	1130.3	1117.0	1126.6	1127.0	1114.4	1084.7	1063.8	1064.7	1072.2
60°	1421.2	1429.8	1434.6	1435.2	1432.9	1426.6	1416.2	1402.1	1384.3	1370.1	1345.9
57.5°	1668.2	1674.3	1670.9	1656.5	1666.5	1665.0	1652.9	1632.3	1601.6	1576.3	1563.3
55°	1959.0	1971.6	1979.9	1982.8	1979.6	1970.6	1956.8	1939.1	1918.0	1879.8	1840.0
52.5°	2116.2	2127.3	2133.6	2135.1	2131.6	2123.5	2110.7	2092.6	2068.6	2039.0	2005.0
50°	2257.4	2270.7	2278.8	2281.6	2278.3	2269.8	2256.0	2237.1	2213.0	2182.3	2145.2
47.5°	2412.9	2429.5	2436.9	2436.6	2435.6	2426.7	2408.6	2383.8	2359.9	2338.8	2306.6
45°	2607.3	2623.6	2634.0	2636.6	2632.9	2621.7	2604.8	2584.1	2547.6	2508.8	2471.1
42.5°	2734.8	2748.3	2757.5	2762.2	2756.4	2746.1	2731.3	2711.4	2681.5	2643.6	2600.9
40°	2827.2	2840.7	2848.7	2851.7	2848.3	2839.7	2825.1	2804.3	2779.2	2745.2	2702.3
37.5°	2934.2	2949.3	2958.6	2962.7	2959.1	2951.0	2937.5	2914.9	2881.0	2840.2	2806.3
35°	3017.9	3034.1	3046.0	3053.1	3047.1	3036.3	3021.1	3000.1	2971.2	2935.3	2892.9
32.5°	3104.7	3121.5	3132.5	3138.3	3132.2	3120.8	3104.2	3081.5	3050.1	3016.3	2977.0
30°	3184.9	3199.8	3209.6	3214.0	3211.3	3201.7	3184.3	3159.2	3129.2	3096.4	3049.0
27.5°	3258.8	3275.1	3283.1	3286.0	3282.8	3274.7	3257.7	3233.4	3205.1	3169.3	3119.4
25°	3317.2	3335.5	3346.3	3350.9	3346.8	3337.8	3322.1	3295.3	3262.9	3229.2	3183.4
22.5°	3372.0	3389.4	3399.6	3404.8	3401.2	3392.8	3372.5	3348.7	3318.5	3279.0	3231.6
20°	3416.4	3435.0	3440.0	3441.2	3439.2	3434.4	3417.7	3391.5	3358.6	3319.0	3275.4
17.5°	3447.2	3467.1	3475.5	3478.8	3476.1	3468.9	3453.7	3428.4	3397.3	3354.1	3307.1
15°	3480.3	3499.4	3512.6	3514.6	3511.0	3502.0	3487.4	3459.6	3428.6	3391.8	3340.8
12.5°	3511.7	3527.8	3538.4	3541.4	3538.7	3529.2	3516.3	3491.4	3451.5	3416.2	3370.2
10°	3534.0	3552.2	3563.1	3563.3	3559.1	3553.0	3537.8	3513.5	3480.7	3435.2	3393.0
7.5°	3553.7	3572.8	3583.1	3583.4	3576.5	3569.8	3552.8	3530.2	3497.6	3457.0	3407.3
5°	3558.0	3577.9	3589.0	3588.4	3587.7	3582.1	3560.2	3539.2	3507.6	3466.0	3417.9
2.5°	3562.2	3577.6	3590.0	3597.4	3594.9	3582.5	3565.3	3542.0	3511.7	3475.2	3423.8
0°	3568.1	3584.4	3598.0	3596.9	3593.8	3581.3	3564.3	3544.3	3511.1	3479.2	3423.5
-2.5°	3562.2	3577.7	3588.5	3584.9	3578.7	3573.5	3559.0	3532.5	3500.1	3465.5	3415.4
-5°	3553.7	3571.8	3575.9	3572.8	3571.8	3562.4	3549.4	3522.4	3490.0	3449.0	3403.3
-7.5°	3535.7	3552.0	3561.7	3556.4	3558.9	3549.8	3535.6	3506.8	3474.7	3433.8	3393.0
-10°	3510.1	3528.4	3536.8	3535.4	3535.7	3527.8	3508.5	3482.8	3451.4	3413.5	3371.0
-12.5°	3474.5	3491.2	3501.5	3504.7	3500.0	3492.5	3480.7	3450.6	3422.9	3383.6	3333.4
-15°	3430.6	3449.4	3459.7	3461.8	3457.8	3448.9	3432.6	3410.8	3380.8	3338.7	3292.4
-17.5°	3383.5	3403.9	3409.4	3408.5	3405.4	3398.3	3384.8	3363.5	3326.3	3290.5	3246.1
-20°	3327.6	3346.3	3354.3	3356.4	3351.8	3343.5	3328.1	3301.8	3273.4	3231.1	3187.8



REPORT NUMBER: P622926 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-65W-7050

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3265.9	3283.3	3290.2	3290.9	3289.9	3280.8	3266.2	3237.2	3202.5	3167.4	3127.9
-25°	3192.7	3207.1	3214.1	3214.0	3212.4	3204.3	3188.9	3160.4	3131.2	3099.7	3057.7
-27.5°	3116.0	3132.1	3140.3	3140.8	3136.0	3125.7	3108.7	3088.2	3062.1	3023.2	2981.5
-30°	3030.7	3046.0	3053.6	3053.6	3053.3	3046.1	3032.5	3005.0	2972.2	2937.6	2898.0
-32.5°	2919.2	2934.3	2942.5	2942.6	2942.5	2934.2	2918.7	2898.8	2872.1	2833.6	2788.0
-35°	2813.5	2829.6	2838.8	2840.9	2837.4	2826.6	2808.6	2786.4	2761.9	2728.3	2688.1
-37.5°	2706.6	2721.5	2730.7	2733.7	2730.2	2720.9	2705.5	2684.1	2656.8	2623.6	2588.0
-40°	2590.5	2605.9	2615.3	2618.6	2614.1	2603.3	2586.2	2563.3	2538.1	2508.7	2476.5
-42.5°	2471.3	2485.3	2493.8	2496.5	2491.4	2480.6	2464.5	2443.5	2421.8	2394.4	2360.7
-45°	2350.2	2365.0	2374.3	2378.1	2373.7	2364.2	2350.0	2331.9	2306.6	2275.6	2241.8
-47.5°	2227.3	2239.3	2246.4	2248.4	2244.3	2235.0	2220.9	2201.0	2176.9	2149.9	2119.0
-50°	2099.0	2108.6	2113.4	2113.3	2110.4	2102.6	2089.8	2072.1	2049.5	2022.2	1991.2
-52.5°	1953.2	1963.3	1968.4	1968.4	1965.9	1958.4	1946.2	1929.2	1908.1	1884.7	1855.1
-55°	1799.1	1809.7	1815.5	1816.5	1813.4	1805.1	1791.7	1773.1	1749.7	1727.4	1698.5
-57.5°	1570.5	1577.7	1577.5	1568.3	1574.7	1572.5	1563.4	1548.3	1516.9	1482.3	1458.8
-60°	1314.5	1322.4	1325.9	1325.2	1323.3	1317.3	1307.4	1293.9	1276.9	1270.0	1253.7
-62.5°	1150.0	1156.7	1159.7	1159.2	1157.8	1152.8	1144.0	1131.2	1115.6	1100.7	1083.5
-65°	951.6	954.4	949.6	938.4	947.8	950.8	946.3	933.1	910.1	882.6	870.2
-67.5°	735.9	741.3	744.1	744.2	743.7	740.6	734.8	726.2	715.0	704.4	693.4
-70°	565.2	563.7	557.4	547.5	555.7	560.3	560.4	554.9	542.8	525.8	511.1
-72.5°	403.3	404.1	403.7	401.4	403.1	403.0	401.6	399.6	397.5	388.5	372.2
-75°	256.0	257.2	257.0	255.4	255.6	254.4	251.9	248.1	243.0	237.7	234.9
-77.5°	138.7	140.4	140.9	140.2	140.1	138.9	136.4	132.7	127.6	121.7	119.2
-80°	66.8	66.9	66.7	66.3	66.2	66.0	65.5	64.8	63.9	62.7	61.7
-82.5°	40.6	40.7	40.7	40.5	40.4	40.3	40.0	39.5	39.0	38.3	37.4
-85°	21.5	21.6	21.6	21.5	21.5	21.4	21.2	21.0	20.6	20.3	19.8
-87.5°	7.0	6.9	6.9	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622926 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-65W-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°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	6.1	6.1	6.0	5.9	5.8	5.5	5.1	4.6	4.0	3.3	2.5
80°	20.5	19.6	18.5	17.4	16.2	15.1	13.8	12.6	12.0	11.2	10.3
77.5°	44.3	42.8	41.0	39.0	37.2	35.9	33.1	29.5	26.9	24.0	21.3
75°	94.9	91.9	88.2	83.5	78.3	73.3	68.1	63.9	60.2	54.4	46.8
72.5°	187.5	188.8	184.3	169.7	150.0	143.5	134.9	122.3	109.6	96.9	89.2
70°	355.8	354.4	350.8	325.7	295.0	276.5	263.9	240.5	211.6	184.4	153.4
67.5°	560.6	554.1	552.3	533.7	483.0	448.2	425.8	388.3	348.9	315.0	275.4
65°	839.9	816.5	789.6	759.4	699.9	646.4	611.9	563.8	523.8	464.2	411.0
62.5°	1067.0	1041.8	1004.4	967.3	928.8	887.1	832.7	761.6	690.3	619.9	582.2
60°	1310.3	1257.6	1227.3	1213.5	1169.2	1104.1	1033.1	972.0	903.5	816.1	729.2
57.5°	1555.3	1524.3	1454.2	1392.4	1353.7	1325.9	1279.0	1202.3	1097.7	1005.3	910.8
55°	1792.7	1755.0	1726.2	1664.9	1583.6	1499.6	1448.2	1404.4	1325.0	1210.2	1073.0
52.5°	1964.6	1918.9	1871.6	1823.5	1768.3	1702.7	1618.6	1551.2	1485.4	1392.6	1271.4
50°	2103.5	2057.3	2013.8	1969.6	1908.1	1836.9	1766.5	1689.4	1605.1	1526.3	1433.0
47.5°	2258.0	2199.2	2151.3	2109.2	2063.1	1997.5	1903.6	1813.2	1729.3	1634.3	1548.7
45°	2433.8	2384.7	2307.9	2240.9	2188.3	2135.9	2070.2	1955.7	1850.1	1750.5	1646.7
42.5°	2556.1	2517.3	2456.9	2384.5	2309.6	2247.5	2182.5	2090.9	1979.5	1869.2	1753.4
40°	2651.8	2603.8	2550.7	2494.7	2422.8	2348.8	2271.4	2186.7	2088.8	1978.5	1868.1
37.5°	2756.4	2697.7	2635.7	2576.6	2513.6	2439.7	2357.3	2270.1	2175.9	2069.4	1960.9
35°	2843.4	2793.7	2729.2	2659.6	2588.8	2521.6	2440.7	2350.5	2253.2	2150.3	2035.6
32.5°	2925.8	2869.8	2810.1	2743.4	2669.6	2591.8	2516.6	2426.4	2328.8	2219.1	2105.1
30°	3003.6	2948.5	2882.1	2814.7	2742.0	2664.9	2580.2	2497.4	2396.2	2286.7	2165.0
27.5°	3069.8	3016.1	2955.9	2878.2	2803.8	2727.1	2646.3	2554.6	2459.7	2343.9	2219.0
25°	3128.8	3074.5	3010.7	2938.9	2858.2	2779.3	2701.7	2612.7	2509.1	2394.8	2275.1
22.5°	3183.7	3122.2	3056.7	2987.5	2910.2	2827.4	2741.3	2655.9	2551.4	2444.4	2319.4
20°	3224.0	3165.9	3097.0	3025.6	2948.1	2867.9	2782.4	2692.8	2592.8	2480.9	2356.9
17.5°	3258.9	3200.1	3133.9	3058.1	2985.6	2903.0	2816.7	2723.0	2626.9	2513.8	2391.5
15°	3285.6	3228.4	3164.9	3093.7	3014.7	2933.9	2845.4	2753.0	2653.3	2541.5	2422.6
12.5°	3314.6	3254.6	3190.1	3117.2	3040.2	2959.4	2870.7	2776.4	2674.8	2564.7	2445.9
10°	3337.7	3277.3	3210.7	3140.6	3060.5	2975.7	2887.9	2795.8	2695.1	2586.0	2466.0
7.5°	3354.8	3294.2	3227.2	3155.1	3074.8	2991.1	2904.4	2810.5	2710.9	2601.4	2480.8
5°	3366.7	3304.0	3239.0	3165.9	3084.8	3000.2	2914.5	2820.6	2720.9	2610.8	2489.9
2.5°	3371.6	3308.7	3242.2	3171.3	3090.3	3003.8	2917.7	2825.4	2725.3	2615.1	2493.3
0°	3368.0	3306.4	3238.2	3170.7	3089.9	3001.3	2914.8	2824.5	2724.1	2613.9	2491.1
-2.5°	3366.2	3303.8	3234.8	3167.5	3087.3	2999.1	2913.8	2822.6	2721.7	2613.0	2491.6
-5°	3356.1	3293.9	3223.8	3160.5	3078.2	2990.6	2907.2	2815.1	2714.2	2606.8	2486.5
-7.5°	3337.9	3275.2	3204.2	3146.2	3063.3	2977.5	2894.9	2802.2	2701.9	2596.0	2475.5
-10°	3312.0	3252.4	3186.3	3122.2	3041.9	2960.2	2876.7	2784.5	2685.3	2577.9	2458.5
-12.5°	3281.3	3222.5	3164.0	3090.5	3012.0	2933.0	2849.5	2758.4	2661.8	2553.3	2436.2
-15°	3241.9	3189.2	3126.9	3056.1	2978.0	2897.1	2812.9	2721.1	2629.3	2526.2	2411.0
-17.5°	3194.3	3143.2	3078.5	3010.4	2937.3	2854.8	2770.6	2683.7	2592.3	2486.4	2365.8
-20°	3143.7	3084.5	3024.8	2960.6	2884.0	2805.7	2723.0	2634.4	2541.7	2438.8	2319.2



REPORT NUMBER: P622926 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-65W-7050

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3076.6	3023.6	2963.8	2899.9	2826.2	2749.0	2672.8	2585.7	2491.0	2384.5	2273.4
-25°	3009.7	2953.5	2900.6	2831.8	2763.0	2690.5	2605.4	2526.1	2433.5	2322.6	2216.1
-27.5°	2935.0	2885.1	2822.6	2761.5	2694.9	2615.5	2539.2	2458.4	2362.0	2264.7	2141.1
-30°	2845.2	2794.5	2742.0	2684.9	2609.4	2533.8	2460.4	2379.8	2291.5	2191.0	2067.4
-32.5°	2747.9	2703.2	2654.4	2586.0	2513.0	2447.8	2376.2	2294.8	2212.7	2101.3	1991.5
-35°	2650.5	2606.6	2548.2	2484.6	2418.9	2355.2	2284.0	2209.6	2115.3	2015.0	1910.7
-37.5°	2543.8	2498.4	2444.4	2384.9	2324.8	2256.3	2190.2	2109.4	2022.2	1928.5	1834.6
-40°	2432.2	2386.4	2338.0	2285.8	2221.1	2155.9	2086.7	2012.4	1929.2	1841.0	1744.2
-42.5°	2321.5	2277.5	2227.3	2173.8	2116.3	2053.3	1986.7	1913.7	1832.6	1746.5	1631.5
-45°	2201.6	2156.7	2112.9	2061.9	2009.1	1948.4	1883.3	1806.5	1728.7	1630.2	1534.7
-47.5°	2081.0	2038.9	1996.7	1948.8	1896.5	1836.8	1765.5	1695.5	1610.5	1526.4	1429.6
-50°	1956.0	1917.2	1875.8	1829.0	1770.5	1708.5	1645.9	1577.4	1501.3	1415.0	1315.7
-52.5°	1822.6	1784.1	1735.6	1684.3	1634.0	1577.7	1519.7	1453.6	1380.0	1287.0	1202.7
-55°	1658.8	1619.6	1584.2	1542.3	1487.4	1416.1	1354.6	1297.5	1237.8	1160.0	1046.3
-57.5°	1446.7	1426.8	1381.5	1317.4	1266.1	1227.4	1191.1	1147.7	1058.4	965.5	898.4
-60°	1222.4	1191.0	1153.7	1124.6	1103.6	1074.9	1013.6	944.5	880.0	832.8	780.5
-62.5°	1061.8	1036.5	1003.5	973.2	940.7	895.0	837.0	792.5	755.4	715.7	658.0
-65°	861.9	852.4	822.7	777.7	742.4	711.2	688.4	660.0	618.3	535.9	485.8
-67.5°	676.1	657.0	635.9	612.0	596.6	573.8	530.3	483.4	444.8	418.2	381.7
-70°	505.4	497.1	484.3	461.1	429.2	405.7	389.1	366.3	335.6	305.5	275.2
-72.5°	356.9	343.5	333.4	322.1	306.8	289.9	271.5	250.8	227.8	202.6	175.8
-75°	230.5	224.1	215.9	205.7	193.3	178.5	161.9	145.8	133.3	121.4	108.5
-77.5°	116.6	112.5	107.1	100.2	94.8	89.9	83.8	77.7	72.6	65.7	58.7
-80°	60.3	58.5	56.3	54.2	52.1	50.0	47.0	43.6	40.7	37.6	34.4
-82.5°	36.4	35.4	34.4	33.4	32.2	30.6	29.0	27.3	25.6	23.7	21.9
-85°	19.2	18.6	17.9	17.1	16.3	15.3	14.2	13.2	12.3	11.5	10.6
-87.5°	6.5	6.4	6.2	5.9	5.7	5.4	5.1	4.8	4.5	4.2	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: P622926 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-65W-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°	0.4	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°	9.1	8.0	6.9	5.9	5.1	4.3	3.2	1.9	1.2	1.0	0.8
77.5°	18.6	15.8	13.9	11.6	9.8	8.4	7.1	5.7	4.1	2.4	1.4
75°	39.0	33.7	26.2	21.7	17.6	14.3	11.2	9.4	7.6	5.6	3.4
72.5°	79.4	69.2	58.1	46.2	33.7	23.9	18.5	14.2	11.1	8.8	6.3
70°	135.4	116.9	96.1	81.8	66.7	49.2	30.0	22.0	16.2	11.9	9.1
67.5°	235.4	194.7	162.3	132.4	100.9	80.6	59.0	36.6	23.5	16.7	11.9
65°	357.9	306.0	255.2	203.8	164.9	120.9	89.7	63.1	37.3	23.1	15.6
62.5°	503.0	430.2	363.7	301.9	240.3	184.8	133.0	92.3	61.1	32.1	20.5
60°	654.2	587.4	491.4	405.5	330.5	257.7	192.4	132.9	85.3	53.0	26.9
57.5°	811.7	719.6	644.4	533.4	425.6	338.9	259.0	185.9	121.8	73.8	38.8
55°	979.1	865.5	766.4	674.3	538.7	424.7	330.9	244.7	166.5	100.5	56.8
52.5°	1129.2	1019.6	893.9	781.6	662.1	519.8	405.1	307.5	216.8	135.2	74.6
50°	1306.7	1154.4	1034.2	888.2	757.5	625.3	484.7	369.5	270.2	174.8	95.0
47.5°	1447.2	1313.2	1149.9	1004.4	853.0	714.3	565.6	436.4	323.0	218.0	123.9
45°	1553.7	1442.1	1280.1	1103.7	949.3	797.8	654.3	501.9	374.4	261.8	153.5
42.5°	1643.0	1538.2	1397.5	1212.5	1043.0	879.3	724.0	564.7	429.1	302.8	183.6
40°	1733.2	1615.5	1486.6	1328.5	1127.9	960.8	794.5	636.4	484.7	342.1	215.6
37.5°	1838.6	1685.3	1562.6	1410.9	1225.4	1033.7	862.0	694.7	527.3	379.9	247.5
35°	1915.2	1768.8	1622.8	1486.5	1312.8	1100.5	926.3	749.7	573.9	419.0	277.8
32.5°	1980.6	1842.9	1684.4	1548.4	1379.2	1184.1	986.5	803.3	624.5	458.7	306.4
30°	2043.9	1899.0	1750.2	1597.2	1442.8	1251.4	1034.8	853.6	667.3	492.5	333.3
27.5°	2099.1	1959.8	1804.3	1646.5	1496.1	1306.7	1085.7	900.5	705.3	520.8	358.8
25°	2144.5	2016.1	1847.9	1693.9	1539.9	1356.4	1145.1	943.7	742.5	547.8	382.2
22.5°	2183.0	2060.1	1890.8	1734.3	1575.2	1403.9	1194.2	983.2	777.4	578.5	404.9
20°	2222.4	2092.3	1943.1	1768.9	1609.4	1445.6	1237.4	1013.1	808.9	605.5	426.8
17.5°	2262.4	2123.0	1983.0	1799.5	1640.5	1476.6	1274.7	1039.2	836.8	628.7	446.0
15°	2290.7	2148.6	2016.9	1826.2	1665.9	1503.4	1302.6	1063.4	861.0	647.6	462.5
12.5°	2315.2	2168.7	2037.9	1849.2	1686.5	1522.8	1326.0	1086.5	881.5	663.5	475.4
10°	2333.5	2189.1	2056.8	1870.6	1702.6	1536.8	1344.7	1103.6	898.0	676.1	484.6
7.5°	2346.7	2204.4	2071.3	1884.4	1713.5	1546.9	1358.1	1114.9	910.6	685.6	491.6
5°	2355.0	2212.9	2079.9	1891.2	1719.9	1553.1	1366.5	1120.9	919.1	691.9	496.3
2.5°	2357.5	2215.0	2083.8	1891.7	1721.8	1555.3	1370.1	1122.1	923.6	694.8	498.7
0°	2354.6	2211.6	2083.1	1886.4	1719.2	1553.4	1368.9	1119.0	924.1	694.5	499.0
-2.5°	2355.2	2213.5	2081.2	1887.4	1719.9	1553.2	1369.4	1122.3	924.6	695.3	500.0
-5°	2350.1	2209.9	2074.8	1883.3	1716.0	1548.9	1365.4	1121.2	921.3	692.8	498.7
-7.5°	2338.7	2200.1	2064.1	1873.8	1707.4	1540.6	1357.1	1115.4	914.1	687.1	494.9
-10°	2323.7	2183.6	2045.6	1858.9	1693.8	1528.3	1344.6	1104.3	903.2	678.3	488.7
-12.5°	2304.9	2161.1	2018.9	1838.4	1674.8	1511.9	1327.0	1087.5	888.5	666.4	479.8
-15°	2280.2	2134.5	1987.0	1814.6	1650.7	1490.4	1305.0	1064.8	869.0	651.6	468.0
-17.5°	2249.0	2102.7	1949.5	1787.0	1622.3	1462.9	1279.2	1041.4	845.4	633.8	453.7
-20°	2196.7	2066.0	1908.6	1753.3	1590.8	1431.8	1241.8	1016.7	817.8	613.7	437.2



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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°	2139.8	2011.7	1859.5	1713.9	1555.3	1396.4	1196.8	988.6	785.6	590.8	418.6
-25°	2082.5	1951.1	1810.2	1660.0	1516.3	1357.3	1146.8	954.1	749.0	565.2	398.4
-27.5°	2022.0	1888.6	1754.6	1604.0	1465.0	1312.6	1088.3	917.3	711.2	537.3	376.3
-30°	1950.1	1826.9	1686.4	1546.6	1408.7	1251.4	1039.7	869.7	675.6	505.9	352.2
-32.5°	1878.0	1759.6	1612.4	1483.7	1348.0	1179.9	994.8	817.4	637.6	473.3	326.3
-35°	1808.0	1671.8	1543.6	1415.7	1283.6	1098.8	942.1	759.2	597.1	440.8	298.6
-37.5°	1717.6	1584.5	1465.4	1343.2	1205.2	1036.1	877.7	705.4	551.9	406.4	271.9
-40°	1612.0	1500.4	1384.8	1270.0	1119.1	968.7	808.1	653.2	501.4	369.9	248.1
-42.5°	1524.6	1408.5	1302.3	1184.8	1042.4	890.8	738.0	595.9	456.4	331.3	223.3
-45°	1426.9	1318.0	1218.7	1095.4	953.7	811.6	673.6	530.9	409.2	290.8	197.5
-47.5°	1326.1	1230.9	1130.2	1004.0	861.9	734.2	600.9	468.7	359.9	259.8	170.9
-50°	1225.9	1127.3	1029.8	891.2	777.8	654.1	520.6	411.3	309.8	226.0	143.5
-52.5°	1101.1	1004.8	894.6	800.8	690.0	562.6	448.4	354.0	266.0	190.6	119.5
-55°	958.5	871.7	794.6	705.9	585.5	471.8	382.5	297.3	223.9	155.4	96.2
-57.5°	832.5	767.5	687.6	584.1	479.4	395.7	319.4	247.4	180.9	123.3	75.1
-60°	722.3	642.9	548.5	467.2	394.0	326.7	260.0	196.2	141.4	94.3	56.6
-62.5°	565.4	497.2	436.2	376.1	320.6	260.2	200.7	151.3	106.7	69.1	40.8
-65°	441.6	394.0	342.7	297.2	246.8	192.5	150.8	111.2	77.2	49.8	34.2
-67.5°	337.1	299.3	258.7	215.4	173.0	141.3	106.7	78.0	53.7	37.2	27.5
-70°	242.8	208.3	171.9	148.3	122.6	95.1	72.2	52.4	38.0	28.8	20.9
-72.5°	153.6	135.9	116.0	94.8	78.9	62.7	46.3	35.8	28.1	21.6	14.4
-75°	93.4	81.2	69.0	58.7	47.8	38.9	30.7	25.8	20.3	14.3	10.2
-77.5°	52.5	45.4	40.5	34.5	29.9	26.2	22.1	17.5	13.2	9.8	7.2
-80°	31.7	29.0	26.3	23.4	20.4	17.3	13.9	10.8	8.4	6.6	4.8
-82.5°	19.8	17.7	15.6	13.4	11.1	9.6	8.0	6.5	5.2	4.2	3.2
-85°	9.6	8.6	7.6	6.8	6.0	5.2	4.4	3.6	2.9	2.4	2.0
-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	0.7	0.6	0.4	0.2	0.0
77.5°	1.1	0.9	0.8	0.7	0.5	0.3	0.0
75°	1.6	1.2	1.0	0.8	0.6	0.3	0.0
72.5°	3.6	1.7	1.2	0.9	0.7	0.4	0.0
70°	6.1	3.0	1.6	1.1	0.8	0.4	0.0
67.5°	8.5	5.0	2.1	1.2	0.8	0.5	0.0
65°	11.0	7.0	3.1	1.5	0.9	0.5	0.0
62.5°	13.4	9.0	4.7	1.9	1.0	0.6	0.0
60°	17.1	11.0	6.2	2.2	1.1	0.6	0.0
57.5°	21.0	13.1	7.7	2.7	1.2	0.6	0.0
55°	27.9	15.5	9.2	3.7	1.3	0.7	0.0
52.5°	35.9	18.6	10.6	4.8	1.5	0.7	0.0
50°	50.4	21.6	12.3	5.8	1.7	0.8	0.0
47.5°	64.4	28.2	13.9	6.8	2.0	0.8	0.0
45°	78.0	34.8	15.5	7.8	2.2	0.8	0.0
42.5°	91.1	43.4	17.7	8.7	2.4	0.9	0.0
40°	112.5	53.7	19.7	9.6	2.6	0.9	0.0
37.5°	132.7	63.4	21.7	10.4	2.8	1.0	0.0
35°	153.5	72.7	25.8	11.3	3.3	1.0	0.0
32.5°	174.2	81.5	30.8	12.3	3.8	1.0	0.0
30°	193.5	89.7	35.7	13.2	4.2	1.1	0.0
27.5°	213.4	98.7	40.5	14.0	4.7	1.1	0.0
25°	231.7	110.4	45.3	14.8	5.1	1.1	0.0
22.5°	248.2	121.1	50.5	15.6	5.4	1.2	0.0
20°	263.2	130.7	55.2	16.3	5.8	1.2	0.0
17.5°	277.1	139.2	59.4	17.1	6.1	1.2	0.0
15°	289.3	147.1	63.1	17.8	6.3	1.2	0.0
12.5°	299.5	154.6	66.4	18.4	6.5	1.2	0.0
10°	307.8	160.7	69.1	18.9	6.7	1.3	0.0
7.5°	314.1	165.6	71.4	19.3	6.9	1.3	0.0
5°	318.6	169.1	73.1	19.6	7.0	1.3	0.0
2.5°	321.1	171.4	74.4	19.8	7.1	1.3	0.0
0°	321.7	172.3	75.1	19.9	7.1	1.3	0.0
-2.5°	322.5	173.3	75.6	20.2	7.2	1.3	0.0
-5°	321.4	172.9	75.5	20.4	7.2	1.3	0.0
-7.5°	318.3	171.3	74.9	20.5	7.1	1.3	0.0
-10°	313.3	168.4	73.8	20.5	7.1	1.3	0.0
-12.5°	306.3	164.3	72.1	20.4	7.0	1.3	0.0
-15°	297.4	158.9	69.9	20.1	6.9	1.3	0.0
-17.5°	286.5	152.9	67.1	19.8	6.7	1.3	0.0
-20°	273.7	146.3	63.7	19.3	6.5	1.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	261.1	138.5	59.8	18.8	6.2	1.3	0.0
-25°	248.1	129.6	55.2	18.3	5.9	1.3	0.0
-27.5°	233.8	119.5	50.6	17.6	5.6	1.3	0.0
-30°	218.2	111.2	45.6	16.8	5.3	1.2	0.0
-32.5°	201.9	103.0	40.3	15.9	4.9	1.2	0.0
-35°	184.3	93.9	34.5	14.9	4.4	1.2	0.0
-37.5°	166.0	84.1	29.8	13.9	4.0	1.1	0.0
-40°	147.5	74.3	28.0	12.9	3.8	1.1	0.0
-42.5°	127.7	63.8	26.0	11.8	3.6	1.1	0.0
-45°	112.3	53.7	23.8	10.6	3.3	1.0	0.0
-47.5°	95.8	44.2	21.7	9.3	3.1	1.0	0.0
-50°	80.1	34.5	19.5	8.2	2.8	1.0	0.0
-52.5°	64.0	31.2	17.1	7.3	2.5	0.9	0.0
-55°	50.9	27.7	14.8	6.2	2.3	0.9	0.0
-57.5°	38.0	24.1	12.4	5.2	2.1	0.8	0.0
-60°	33.2	20.4	9.9	4.6	1.9	0.8	0.0
-62.5°	28.3	16.7	8.3	3.9	1.8	0.7	0.0
-65°	23.1	12.8	6.8	3.3	1.6	0.6	0.0
-67.5°	17.9	9.8	5.5	2.8	1.4	0.6	0.0
-70°	12.4	7.8	4.5	2.4	1.3	0.5	0.0
-72.5°	9.5	6.0	3.4	2.0	1.1	0.5	0.0
-75°	7.1	4.5	2.8	1.7	0.9	0.4	0.0
-77.5°	5.1	3.4	2.2	1.4	0.8	0.3	0.0
-80°	3.6	2.5	1.7	1.1	0.6	0.3	0.0
-82.5°	2.4	1.8	1.3	0.8	0.5	0.2	0.0
-85°	1.6	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)