

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: P622898 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF120-XX-PC-70W-7040**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622898 (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-70W-7040
Description: Flood light with selectable wattage and CCT
Light Source: (1) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

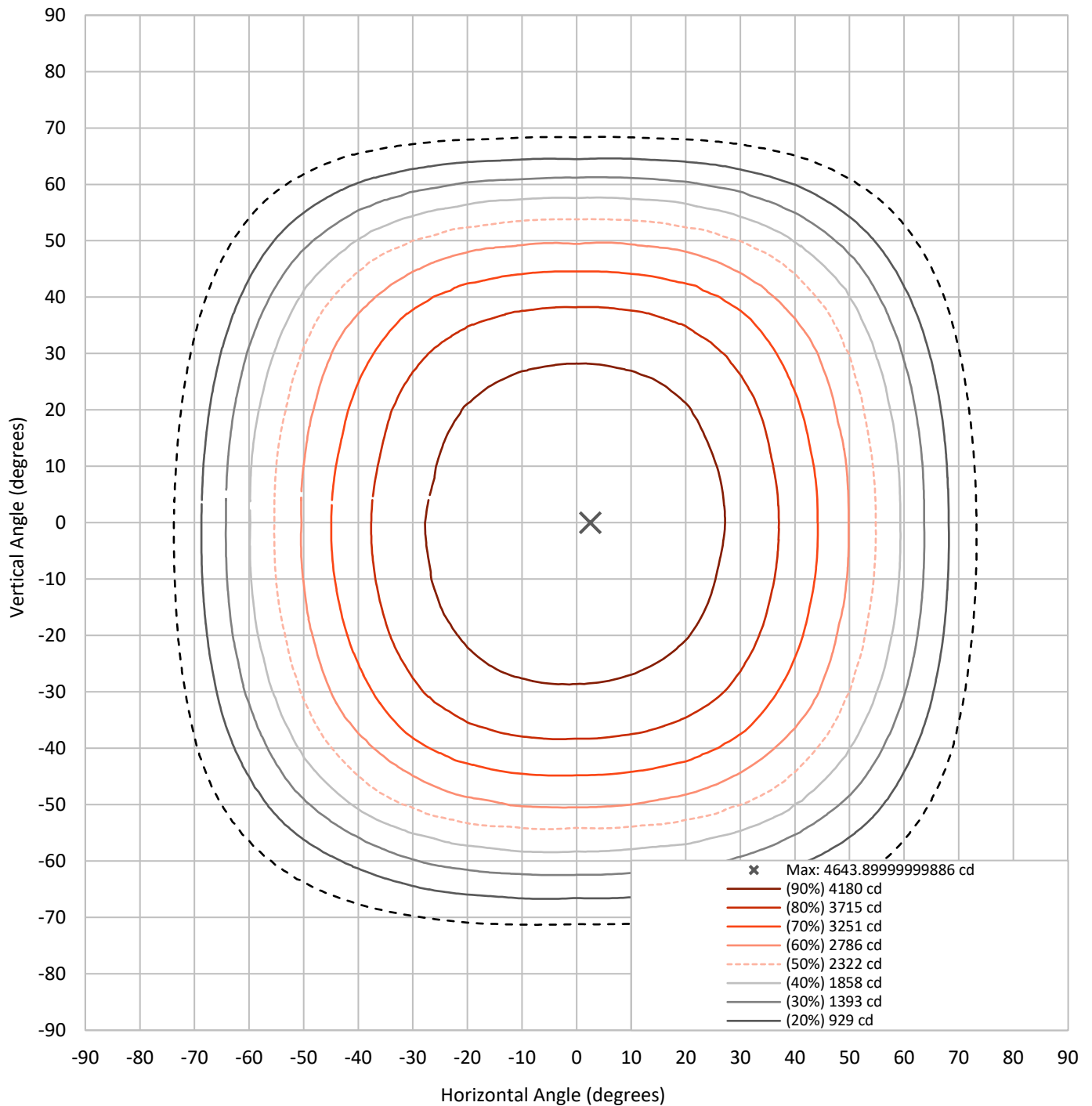
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	12333.6 lumens	Max Intensity:	4643.9 candela
Efficiency:	N/A	Max Intensity Angle:	2.5°H x 0°V
Efficacy:	177.7 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:	9975 lumens	Field Lumens:	12128.3 lumens
Beam Efficiency:	80.9%	Field Efficiency:	98.3%
Input Watts (W):	69.4		
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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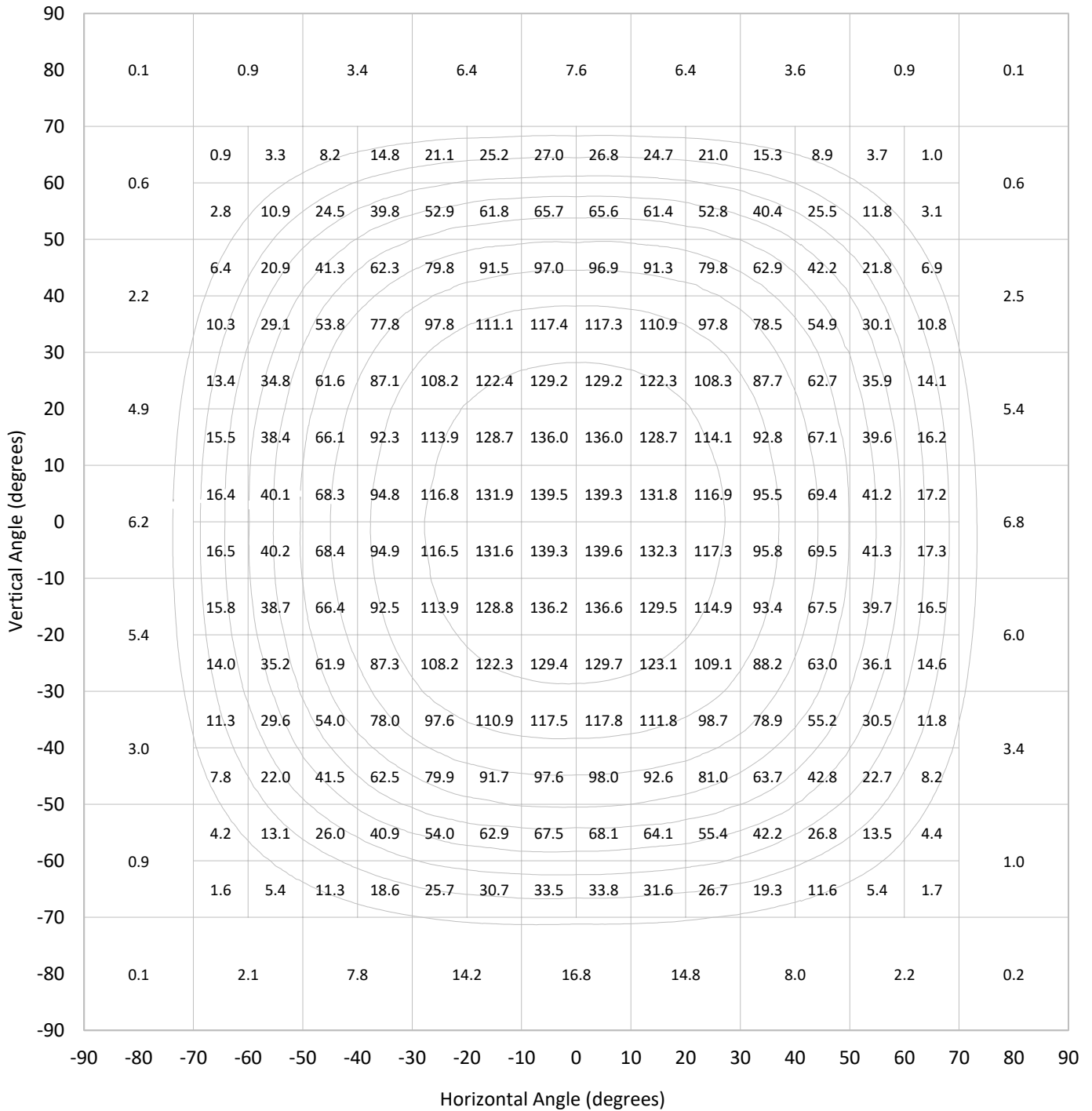
Iso-Candela Plot





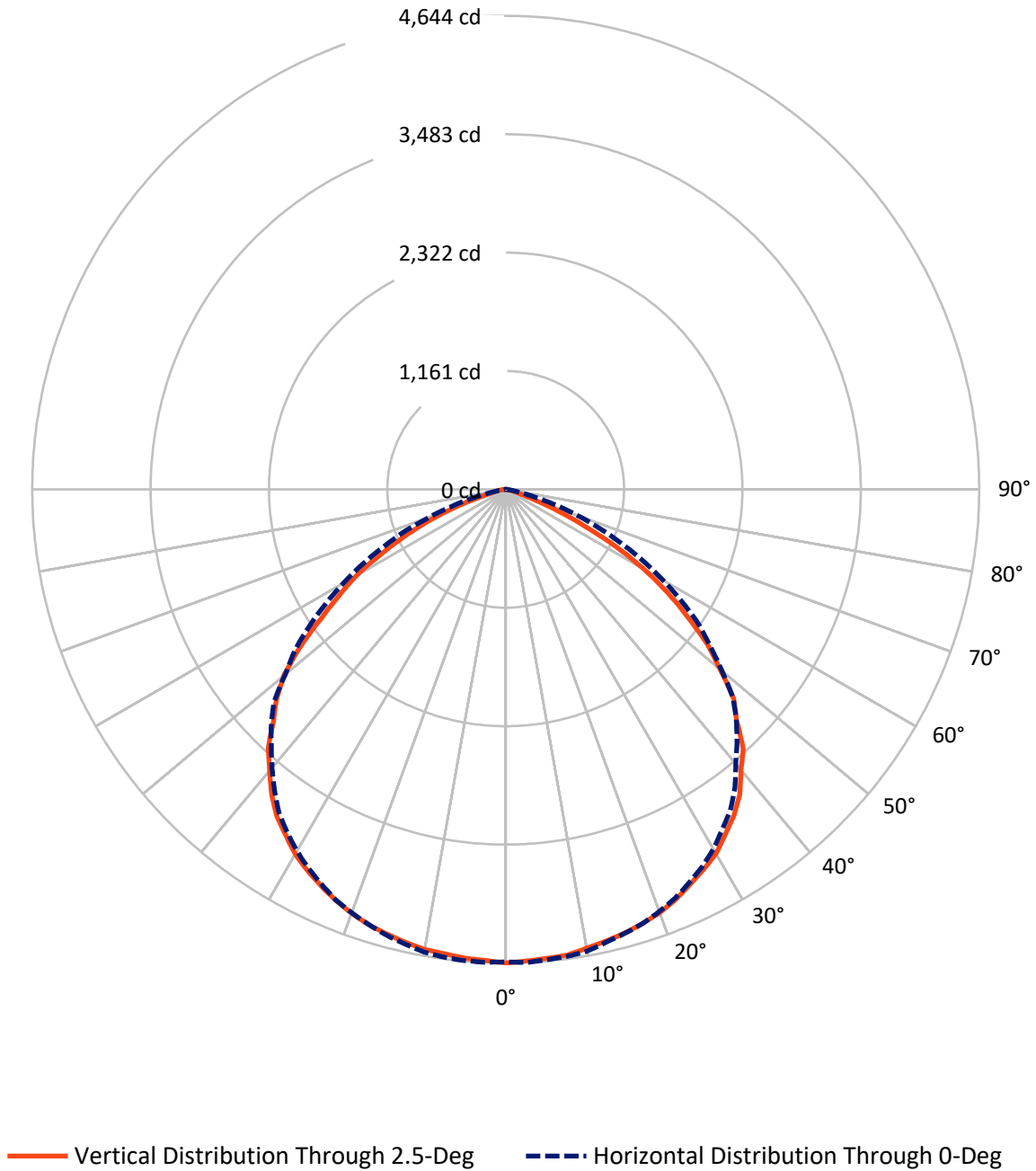
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Lumen Table



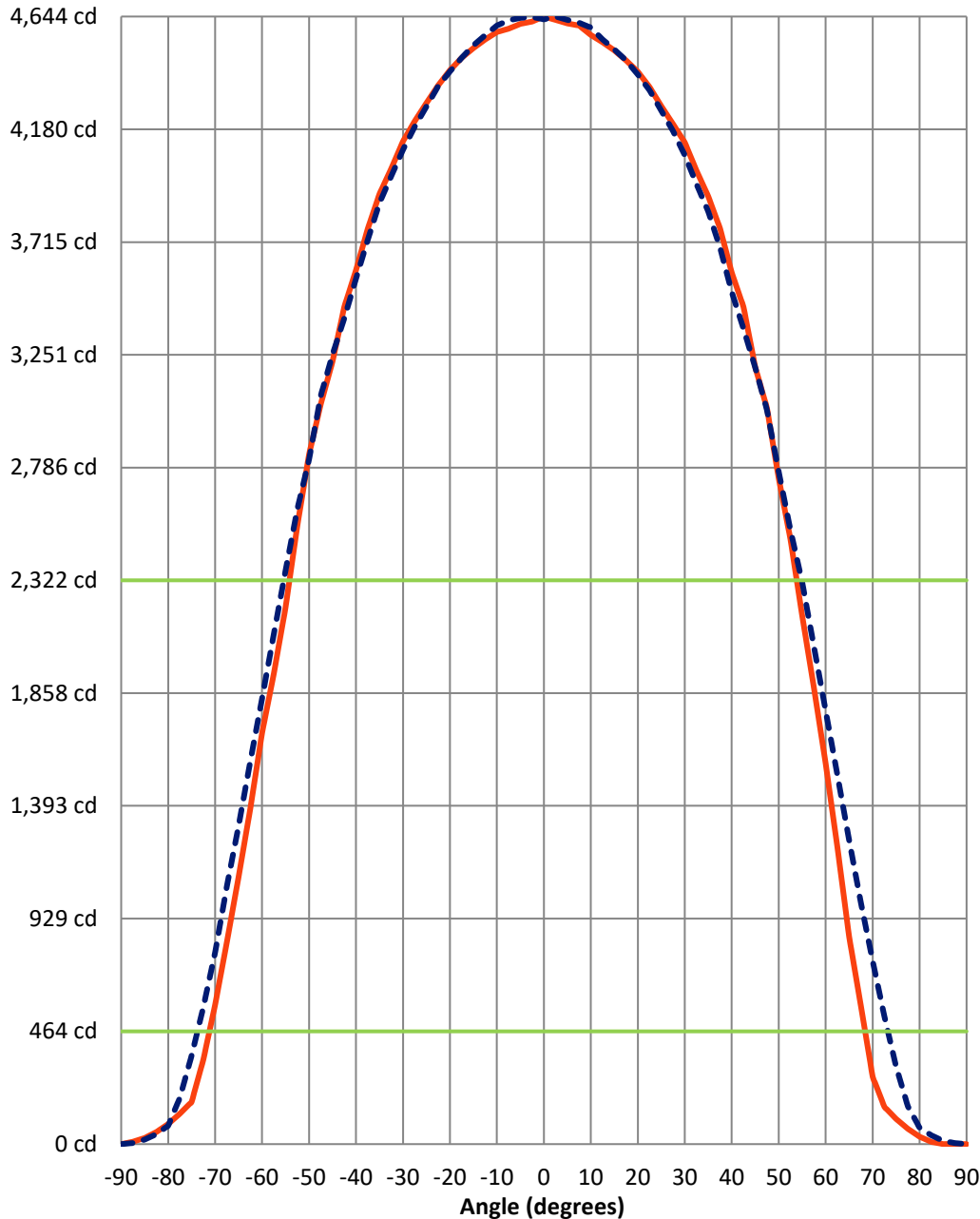
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 110.3°
 V Angle: 108°
 Lumens: 9975
 Efficiency: 80.9%

Field:
 H Angle: 147°
 V Angle: 139.6°
 Lumens: 12128.3
 Efficiency: 98.3%

Spill:
 Lumens: 205.3
 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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
85°	0.0	0.3	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8
82.5°	0.0	0.4	0.7	0.9	1.0	1.1	1.1	1.6	1.9	2.1	2.3
80°	0.0	0.5	0.9	1.3	1.5	1.9	2.6	3.2	3.9	4.7	5.5
77.5°	0.0	0.7	1.2	1.7	2.2	3.3	4.3	5.3	6.4	7.4	9.0
75°	0.0	0.8	1.5	2.1	3.3	4.8	6.1	7.3	8.9	11.8	14.9
72.5°	0.0	0.9	1.8	2.8	4.5	6.7	7.9	10.0	13.9	18.8	24.4
70°	0.0	1.1	2.1	3.7	6.2	8.5	10.1	14.8	20.9	28.4	36.6
67.5°	0.0	1.2	2.4	4.5	7.9	10.4	14.5	21.1	29.9	39.8	50.3
65°	0.0	1.3	2.8	5.7	9.6	13.1	19.4	28.6	40.0	51.8	64.4
62.5°	0.0	1.5	3.3	7.1	11.3	16.6	25.0	37.5	50.4	64.1	81.3
60°	0.0	1.6	3.9	8.5	13.0	20.5	32.0	46.2	60.6	78.0	106.4
57.5°	0.0	1.8	4.4	9.9	15.7	25.1	39.3	54.8	72.4	96.6	147.3
55°	0.0	1.9	4.9	11.3	18.2	30.0	46.5	63.4	86.0	126.8	209.7
52.5°	0.0	2.1	5.5	12.7	21.0	35.7	53.6	74.3	101.6	173.3	283.9
50°	0.0	2.2	6.5	14.1	24.4	41.2	60.8	86.7	128.6	232.0	354.0
47.5°	0.0	2.4	7.4	15.6	27.7	46.7	68.4	102.4	167.4	295.7	432.2
45°	0.0	2.5	8.3	17.3	31.1	52.0	79.1	123.1	217.8	356.4	511.9
42.5°	0.0	2.6	9.2	18.9	35.0	57.4	89.8	148.0	272.3	421.2	589.1
40°	0.0	2.8	10.1	20.5	38.7	62.9	104.9	182.6	324.4	487.9	663.5
37.5°	0.0	2.9	10.9	22.0	42.3	68.1	120.3	221.5	374.6	551.2	733.8
35°	0.0	3.0	11.7	23.9	45.8	75.5	138.6	260.5	424.2	610.9	805.4
32.5°	0.0	3.2	12.5	25.8	49.2	84.0	158.0	298.6	471.3	666.4	878.2
30°	0.0	3.4	13.2	27.7	52.3	92.3	176.8	334.7	516.2	717.6	943.0
27.5°	0.0	3.6	13.9	29.4	55.3	101.4	202.0	370.1	559.7	764.9	1002.9
25°	0.0	3.7	14.6	31.0	58.2	112.7	226.6	403.2	599.5	813.5	1062.1
22.5°	0.0	3.8	15.3	32.5	61.1	123.7	249.2	433.0	634.7	860.0	1115.6
20°	0.0	4.0	15.9	33.9	63.8	134.2	270.4	458.2	666.2	901.5	1160.4
17.5°	0.0	4.1	16.4	35.4	66.3	144.2	290.2	480.0	694.0	938.1	1199.1
15°	0.0	4.2	16.9	36.7	68.5	153.9	307.7	498.7	718.6	970.2	1232.3
12.5°	0.0	4.3	17.4	37.9	70.4	163.0	322.9	515.8	739.7	997.8	1260.0
10°	0.0	4.3	17.8	38.8	72.1	171.1	335.9	532.1	757.0	1020.8	1281.6
7.5°	0.0	4.4	18.1	39.6	73.5	178.0	346.5	545.1	770.7	1038.7	1297.2
5°	0.0	4.4	18.4	40.3	74.6	183.8	354.9	555.0	780.7	1051.5	1307.2
2.5°	0.0	4.5	18.6	40.7	75.4	188.3	361.1	561.5	787.0	1059.2	1311.7
0°	0.0	4.5	18.8	41.0	75.9	191.5	365.1	564.8	789.7	1061.9	1311.0
-2.5°	0.0	4.5	18.8	41.1	76.3	192.4	366.6	566.4	792.9	1063.8	1313.6
-5°	0.0	4.5	18.8	41.0	76.4	191.9	365.9	564.7	792.3	1060.6	1311.2
-7.5°	0.0	4.5	18.7	40.7	76.1	190.1	363.0	559.8	787.9	1052.6	1303.8
-10°	0.0	4.5	18.5	40.3	75.5	187.0	357.9	551.7	779.6	1039.7	1291.5
-12.5°	0.0	4.5	18.3	39.7	74.4	182.5	350.5	540.4	767.3	1022.1	1274.2
-15°	0.0	4.4	18.0	38.9	73.0	176.8	340.9	528.8	751.0	1001.0	1252.1
-17.5°	0.0	4.3	17.7	38.0	71.2	169.8	329.1	516.5	730.6	976.0	1225.0
-20°	0.0	4.3	17.3	36.9	69.0	161.5	315.1	501.5	708.0	947.4	1193.1

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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	4.2	16.8	35.7	66.3	152.0	298.9	483.8	682.0	913.8	1156.3
-25°	0.0	4.0	16.3	34.5	63.2	141.2	280.3	461.4	652.4	875.5	1110.4
-27.5°	0.0	3.9	15.8	33.2	60.6	129.2	259.4	435.4	618.4	833.5	1059.7
-30°	0.0	3.8	15.1	31.7	58.0	118.3	237.2	407.4	580.9	788.4	1012.0
-32.5°	0.0	3.6	14.5	30.2	55.2	107.0	219.9	378.3	544.5	740.2	960.5
-35°	0.0	3.4	13.8	28.4	52.2	94.4	201.1	347.3	509.4	691.2	899.2
-37.5°	0.0	3.3	13.0	26.8	49.1	83.2	181.0	313.3	470.9	638.3	827.6
-40°	0.0	3.2	12.2	25.4	46.0	76.1	159.7	276.1	430.4	582.1	754.4
-42.5°	0.0	3.0	11.3	23.9	42.6	68.5	137.1	241.4	387.4	526.6	682.4
-45°	0.0	2.9	10.4	22.3	39.1	62.1	116.1	213.5	341.5	469.7	606.9
-47.5°	0.0	2.8	9.5	20.6	35.9	57.1	93.5	184.3	290.2	414.2	531.5
-50°	0.0	2.6	8.5	19.1	32.7	51.9	80.2	153.8	242.4	355.7	459.7
-52.5°	0.0	2.5	7.5	17.6	29.3	46.8	67.9	122.9	204.3	292.5	396.4
-55°	0.0	2.3	6.8	16.0	26.5	41.6	60.4	92.3	165.6	235.6	331.5
-57.5°	0.0	2.2	6.2	14.3	23.7	36.8	53.4	75.8	126.6	192.2	256.9
-60°	0.0	2.0	5.5	12.7	20.9	32.1	46.7	63.3	91.3	148.6	205.6
-62.5°	0.0	1.8	4.9	11.0	18.6	27.7	40.0	54.6	71.5	105.0	158.0
-65°	0.0	1.6	4.1	9.2	16.3	23.8	34.0	46.2	59.8	78.3	110.6
-67.5°	0.0	1.5	3.6	7.7	13.9	20.2	28.4	38.3	49.5	62.2	79.3
-70°	0.0	1.3	3.1	6.4	11.5	17.3	23.1	31.0	40.1	50.2	61.5
-72.5°	0.0	1.1	2.7	5.2	9.1	14.3	19.3	24.6	31.5	39.4	48.0
-75°	0.0	1.0	2.3	4.0	7.2	11.3	15.7	19.8	24.1	30.0	36.4
-77.5°	0.0	0.8	1.8	3.2	5.2	8.4	12.1	15.5	18.9	22.3	26.5
-80°	0.0	0.7	1.4	2.5	3.8	5.6	8.5	11.2	13.9	16.7	19.4
-82.5°	0.0	0.5	1.1	1.8	2.7	3.8	5.0	6.8	8.9	10.9	13.0
-85°	0.0	0.3	0.7	1.2	1.7	2.3	3.1	3.9	4.6	5.5	6.6
-87.5°	0.0	0.2	0.4	0.6	0.8	1.1	1.4	1.7	2.1	2.4	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
85°	0.8	0.6	0.6	0.6	0.7	0.8	0.7	0.5	0.5	0.5	0.4
82.5°	2.7	3.2	3.6	3.8	4.0	4.1	4.2	4.2	4.7	5.3	5.8
80°	6.3	7.2	7.8	8.2	8.9	10.4	11.7	12.9	14.8	16.5	18.0
77.5°	10.6	12.4	15.0	17.7	20.8	23.6	26.9	29.7	33.1	37.2	40.8
75°	18.6	23.1	27.4	33.3	38.4	43.7	48.8	53.6	58.5	64.1	68.9
72.5°	30.4	38.1	45.6	52.7	59.5	66.9	75.4	82.9	89.4	97.6	105.4
70°	45.8	55.0	64.1	75.1	88.0	104.4	117.5	124.6	148.3	173.8	193.9
67.5°	61.2	72.6	91.0	116.4	142.7	170.1	204.1	241.7	284.1	314.9	346.3
65°	79.6	104.2	143.9	184.4	235.6	282.6	339.7	398.6	454.8	497.9	539.1
62.5°	109.8	158.8	225.1	288.8	350.6	423.3	493.2	560.3	625.3	714.1	778.4
60°	160.6	238.5	319.9	402.3	486.1	567.2	647.3	763.0	862.7	955.5	1039.2
57.5°	233.6	326.2	425.8	527.5	620.2	725.8	865.7	973.9	1094.3	1201.8	1285.2
55°	314.7	422.8	538.6	651.1	785.4	929.7	1057.2	1192.5	1305.5	1431.1	1502.0
52.5°	397.7	525.6	649.7	802.6	966.5	1107.3	1255.4	1390.1	1504.2	1652.4	1797.2
50°	490.2	626.2	772.4	963.1	1126.3	1289.6	1440.4	1561.5	1745.5	1875.0	2003.3
47.5°	580.4	725.5	924.3	1098.9	1290.8	1458.8	1603.1	1791.9	1923.0	2092.6	2268.6
45°	668.1	851.6	1041.5	1241.5	1436.6	1603.8	1805.8	1952.5	2137.8	2302.1	2424.3
42.5°	752.8	961.3	1163.3	1372.8	1562.6	1792.2	1955.7	2141.4	2315.7	2454.0	2563.8
40°	856.0	1063.1	1281.0	1497.0	1716.1	1912.1	2116.9	2302.3	2462.3	2581.9	2759.5
37.5°	945.1	1164.1	1391.7	1594.4	1829.1	2043.2	2250.3	2448.8	2578.3	2769.5	2907.1
35°	1026.7	1259.0	1494.4	1726.9	1936.8	2153.6	2378.2	2553.0	2748.6	2905.3	3034.3
32.5°	1108.8	1349.4	1568.6	1816.4	2045.8	2267.8	2469.6	2671.0	2882.8	3018.3	3142.0
30°	1182.8	1435.5	1666.6	1900.9	2125.5	2363.4	2551.1	2789.9	2968.9	3102.3	3232.1
27.5°	1251.3	1504.2	1747.0	1984.9	2217.7	2428.4	2659.7	2860.8	3043.3	3171.6	3319.6
25°	1314.9	1555.8	1815.9	2053.1	2293.1	2499.6	2738.3	2939.2	3098.9	3250.9	3398.0
22.5°	1371.6	1618.9	1872.3	2099.1	2345.2	2578.0	2788.4	3007.8	3155.1	3305.7	3462.1
20°	1421.0	1674.0	1927.8	2171.6	2384.9	2642.5	2844.5	3056.7	3210.3	3361.0	3508.1
17.5°	1461.3	1722.9	1981.3	2226.4	2445.0	2682.2	2909.9	3097.0	3249.4	3401.3	3555.9
15°	1494.1	1766.2	2019.5	2266.3	2495.7	2721.9	2963.9	3132.9	3281.4	3429.4	3609.4
12.5°	1523.3	1796.3	2047.6	2301.8	2537.7	2754.5	3004.8	3168.7	3315.6	3462.7	3629.1
10°	1547.7	1816.3	2070.9	2325.5	2571.2	2788.2	3034.3	3198.3	3345.5	3505.1	3655.6
7.5°	1564.4	1829.9	2090.0	2343.9	2594.2	2812.7	3058.9	3221.1	3368.6	3535.7	3681.7
5°	1574.5	1837.5	2101.0	2356.4	2608.5	2825.0	3073.2	3237.9	3386.2	3555.6	3703.7
2.5°	1578.6	1839.3	2104.2	2362.8	2615.6	2826.8	3081.1	3248.4	3397.2	3565.1	3718.0
0°	1577.0	1835.6	2100.6	2362.6	2614.3	2820.0	3082.4	3252.0	3400.9	3564.6	3724.1
-2.5°	1580.8	1841.3	2105.0	2364.2	2617.7	2828.4	3084.6	3251.9	3401.9	3569.0	3724.0
-5°	1578.8	1841.1	2102.5	2359.1	2612.9	2828.1	3080.2	3244.7	3395.2	3563.0	3716.0
-7.5°	1570.4	1834.2	2092.0	2347.6	2601.3	2817.6	3069.8	3230.5	3380.8	3545.6	3700.8
-10°	1554.9	1820.0	2073.4	2330.2	2579.8	2795.2	3048.4	3209.5	3360.9	3516.6	3682.0
-12.5°	1533.0	1797.8	2052.3	2307.2	2545.1	2763.7	3021.3	3183.2	3333.7	3486.0	3657.7
-15°	1507.6	1767.4	2027.6	2272.7	2499.8	2732.8	2980.3	3152.4	3301.3	3456.8	3625.4
-17.5°	1479.3	1732.8	1993.5	2233.7	2452.3	2695.8	2921.9	3119.0	3264.8	3423.2	3574.2
-20°	1440.7	1696.2	1943.9	2178.5	2396.0	2660.3	2856.5	3077.5	3219.0	3370.7	3531.5



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CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1390.7	1640.2	1886.9	2104.4	2356.5	2589.3	2801.2	3022.5	3173.0	3315.2	3484.6
-25°	1338.9	1575.1	1817.4	2065.2	2303.5	2509.4	2751.7	2949.9	3118.4	3247.7	3397.0
-27.5°	1288.5	1532.1	1763.0	2002.8	2223.2	2443.4	2671.9	2872.4	3053.7	3187.7	3320.7
-30°	1233.1	1463.6	1693.4	1918.0	2129.5	2380.5	2562.6	2802.1	2979.3	3116.1	3241.2
-32.5°	1170.9	1375.2	1590.6	1823.9	2062.1	2271.4	2487.9	2681.0	2894.4	3026.7	3159.6
-35°	1098.4	1302.2	1518.8	1752.3	1955.8	2155.7	2395.1	2569.0	2759.8	2913.8	3044.8
-37.5°	1022.6	1224.4	1417.6	1617.6	1842.8	2060.3	2248.6	2477.0	2597.1	2785.1	2912.9
-40°	938.3	1139.1	1323.6	1516.2	1739.0	1930.0	2131.1	2307.3	2489.4	2605.5	2779.2
-42.5°	852.0	1039.9	1229.5	1401.5	1583.8	1812.0	1981.9	2160.3	2327.7	2482.8	2592.4
-45°	765.4	926.9	1128.5	1295.1	1458.5	1632.1	1828.8	1996.4	2167.1	2320.2	2455.7
-47.5°	677.9	827.7	990.6	1184.0	1337.8	1476.7	1645.2	1819.0	1979.0	2141.7	2293.0
-50°	586.5	729.1	866.0	1044.4	1210.3	1334.0	1461.2	1621.4	1781.9	1924.9	2078.9
-52.5°	494.6	625.2	758.5	881.3	1056.3	1185.4	1300.8	1418.9	1562.5	1710.8	1826.5
-55°	416.9	517.4	642.2	764.2	869.5	1014.3	1135.4	1240.2	1347.6	1459.0	1601.8
-57.5°	347.3	420.2	519.8	634.7	734.8	833.6	941.1	1059.8	1150.1	1245.7	1345.2
-60°	268.9	346.0	407.7	497.5	597.5	682.3	772.1	857.4	952.3	1037.6	1123.7
-62.5°	206.9	262.7	330.4	382.5	449.8	539.2	615.0	675.2	765.3	832.6	907.9
-65°	156.0	197.4	238.8	297.9	343.7	389.6	458.2	528.1	585.4	631.3	698.4
-67.5°	105.4	143.8	178.1	208.0	247.5	287.5	329.4	366.9	417.4	473.3	520.2
-70°	75.0	94.1	122.0	146.8	171.8	196.0	222.9	245.8	282.1	315.7	344.5
-72.5°	57.2	68.5	81.3	94.2	111.5	126.1	145.5	164.1	182.6	201.5	219.8
-75°	43.4	50.9	58.4	67.1	75.4	84.5	92.2	98.5	104.0	120.2	131.7
-77.5°	31.5	36.7	42.2	47.7	53.5	59.1	65.2	70.7	76.0	81.3	86.4
-80°	22.2	25.0	28.7	32.3	36.0	40.0	43.9	47.7	51.5	55.0	58.4
-82.5°	15.1	17.2	19.2	21.1	23.0	24.9	26.9	29.4	31.6	33.6	35.6
-85°	8.0	9.4	10.7	11.9	13.2	14.5	15.7	16.9	17.9	18.9	19.9
-87.5°	3.3	3.7	4.1	4.5	4.9	5.3	5.7	6.0	6.3	6.6	6.9
-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: P622898 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.7	1.0	1.3	1.3	1.3	1.2	1.0	0.7	0.3	0.3	0.3
82.5°	6.6	7.1	7.4	7.6	7.7	7.7	8.0	8.4	8.6	9.0	9.2
80°	19.7	21.3	22.6	23.9	25.3	26.8	28.0	28.7	29.2	29.9	30.4
77.5°	44.2	47.3	50.0	52.4	54.6	56.5	58.1	59.4	60.4	61.6	62.4
75°	73.7	78.4	82.4	86.4	90.0	92.8	95.2	97.3	98.7	100.6	102.3
72.5°	116.3	124.9	127.5	129.3	133.9	138.0	141.6	144.4	146.4	148.8	151.0
70°	204.1	202.7	205.5	227.9	249.2	256.0	251.4	240.0	243.9	259.2	274.4
67.5°	375.8	401.9	427.5	452.2	475.4	494.5	509.7	520.6	527.1	538.3	552.5
65°	585.8	633.0	664.5	689.1	735.3	768.8	793.5	810.4	821.1	836.4	853.2
62.5°	834.2	899.2	955.0	1007.2	1059.2	1093.2	1117.3	1138.9	1145.9	1151.0	1171.6
60°	1113.8	1185.3	1237.9	1283.7	1334.2	1393.3	1438.5	1465.2	1496.9	1510.7	1521.5
57.5°	1364.8	1425.5	1533.6	1601.4	1640.8	1690.4	1737.3	1792.0	1816.4	1821.0	1840.9
55°	1639.5	1725.9	1790.0	1873.1	1928.8	1952.6	2016.5	2071.9	2111.2	2129.6	2144.0
52.5°	1863.7	1978.0	2061.8	2123.6	2209.5	2283.2	2300.9	2335.4	2376.5	2420.3	2457.4
50°	2154.5	2232.0	2324.0	2386.5	2443.1	2532.9	2618.6	2642.7	2654.3	2660.4	2698.6
47.5°	2358.6	2436.1	2508.2	2639.4	2734.3	2788.3	2824.5	2880.4	2927.3	2964.8	2987.6
45°	2521.2	2638.4	2760.1	2840.4	2907.7	2962.5	3025.1	3088.1	3132.2	3146.0	3157.4
42.5°	2721.1	2837.3	2928.6	3010.2	3094.0	3194.9	3257.0	3275.6	3314.0	3371.6	3409.1
40°	2885.8	2999.5	3109.1	3202.7	3301.3	3344.5	3399.9	3461.2	3514.6	3531.1	3534.0
37.5°	3030.4	3173.3	3269.1	3366.0	3422.2	3492.5	3581.7	3610.3	3660.7	3702.4	3726.3
35°	3166.2	3291.9	3415.1	3473.0	3571.3	3638.7	3714.7	3755.2	3783.3	3830.5	3866.2
32.5°	3274.6	3401.3	3492.8	3608.7	3686.6	3761.9	3799.7	3857.6	3913.6	3945.7	3966.7
30°	3371.4	3485.5	3606.8	3704.2	3786.7	3832.2	3912.7	3977.6	4021.2	4044.4	4079.1
27.5°	3457.1	3579.2	3692.3	3787.6	3856.2	3937.6	4002.1	4048.2	4086.9	4129.4	4153.7
25°	3538.8	3659.1	3767.5	3849.7	3939.0	4006.8	4070.6	4125.7	4175.6	4206.2	4247.8
22.5°	3592.3	3729.6	3825.2	3921.5	4003.8	4080.1	4139.5	4198.9	4247.7	4289.8	4308.8
20°	3660.6	3777.9	3885.4	3982.4	4063.6	4134.8	4210.7	4257.2	4300.8	4346.0	4374.5
17.5°	3698.3	3822.2	3931.2	4035.4	4114.7	4186.8	4247.5	4305.6	4354.7	4394.9	4418.1
15°	3728.7	3860.3	3974.1	4066.7	4151.6	4224.4	4286.5	4343.8	4393.3	4428.3	4464.6
12.5°	3761.3	3885.9	4000.3	4100.8	4178.6	4252.5	4320.2	4374.3	4420.3	4467.9	4498.6
10°	3796.4	3905.6	4016.9	4118.9	4205.1	4281.6	4344.6	4398.7	4446.4	4492.6	4523.2
7.5°	3825.2	3941.2	4041.4	4133.5	4215.8	4303.5	4367.4	4422.5	4473.3	4515.8	4547.7
5°	3847.6	3964.7	4070.3	4158.0	4247.0	4326.6	4385.5	4439.1	4495.7	4532.7	4569.4
2.5°	3865.8	3979.0	4087.4	4178.6	4265.3	4343.9	4403.7	4459.6	4512.4	4550.8	4577.5
0°	3876.2	3986.5	4095.0	4189.8	4273.3	4357.1	4417.6	4473.9	4525.5	4567.2	4606.7
-2.5°	3872.2	3986.1	4093.5	4188.5	4273.9	4351.7	4416.8	4474.5	4524.6	4568.0	4601.4
-5°	3860.2	3978.1	4083.5	4176.2	4265.4	4340.8	4409.8	4469.2	4512.5	4551.6	4587.8
-7.5°	3843.4	3961.5	4063.6	4160.0	4244.7	4324.8	4392.9	4450.4	4493.0	4529.5	4561.5
-10°	3819.7	3934.3	4044.9	4146.4	4240.2	4307.5	4372.0	4430.7	4472.9	4507.4	4537.4
-12.5°	3785.9	3914.4	4028.8	4118.9	4206.4	4278.1	4352.0	4400.5	4449.4	4492.2	4517.9
-15°	3755.3	3888.8	3994.1	4086.8	4181.1	4261.5	4317.3	4374.0	4422.2	4453.2	4486.8
-17.5°	3724.7	3844.6	3955.4	4064.4	4132.9	4208.0	4280.5	4337.7	4378.4	4416.9	4440.0
-20°	3672.8	3801.7	3915.2	4002.1	4095.9	4161.5	4223.4	4288.8	4324.6	4366.0	4396.1



REPORT NUMBER: P622898 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3613.8	3751.2	3853.1	3959.1	4029.1	4112.9	4171.4	4219.1	4270.5	4296.5	4329.9
-25°	3558.8	3673.2	3793.2	3884.8	3975.3	4037.3	4110.6	4163.2	4204.9	4230.5	4261.1
-27.5°	3474.1	3603.6	3717.3	3817.2	3900.1	3972.1	4032.1	4082.1	4139.3	4168.4	4184.7
-30°	3383.0	3511.4	3633.4	3741.1	3815.0	3878.3	3947.7	4007.7	4045.1	4070.5	4101.1
-32.5°	3283.1	3421.8	3521.9	3636.1	3726.0	3783.2	3835.8	3897.6	3942.5	3967.8	3989.6
-35°	3184.6	3306.8	3442.9	3506.8	3595.5	3673.0	3743.0	3780.4	3814.4	3857.6	3887.2
-37.5°	3042.0	3190.5	3292.8	3391.0	3458.0	3527.5	3604.8	3646.9	3692.3	3721.2	3744.0
-40°	2890.2	3003.5	3136.1	3234.0	3313.1	3380.4	3434.3	3494.6	3536.4	3558.6	3572.7
-42.5°	2752.0	2846.8	2939.9	3043.7	3133.1	3229.6	3273.7	3308.1	3348.2	3400.6	3429.7
-45°	2554.3	2684.5	2783.7	2867.0	2939.9	3006.4	3070.2	3128.9	3170.0	3187.9	3203.6
-47.5°	2393.6	2478.2	2589.1	2695.8	2767.7	2832.8	2886.8	2932.2	2969.5	2999.3	3021.2
-50°	2207.3	2299.9	2369.9	2447.4	2559.4	2637.3	2667.4	2694.3	2737.2	2793.1	2818.5
-52.5°	1942.0	2032.8	2159.0	2245.2	2300.0	2334.8	2400.4	2463.2	2505.6	2511.3	2526.9
-55°	1691.6	1775.7	1856.0	1919.7	2002.1	2108.3	2143.4	2162.1	2163.7	2166.8	2214.5
-57.5°	1443.1	1548.4	1606.1	1661.6	1722.7	1778.7	1822.7	1851.2	1887.0	1918.5	1943.4
-60°	1207.9	1288.7	1364.3	1435.7	1490.3	1514.0	1535.6	1586.3	1636.5	1665.1	1676.7
-62.5°	984.0	1050.8	1115.1	1174.8	1226.6	1272.9	1306.3	1329.8	1344.0	1354.3	1368.6
-65°	755.3	811.4	871.9	929.3	967.8	1002.2	1026.3	1042.0	1056.2	1084.3	1106.4
-67.5°	562.5	602.5	639.6	665.7	702.4	738.6	767.0	788.2	802.1	815.9	831.0
-70°	378.6	413.3	444.1	472.7	495.9	518.7	539.4	556.9	566.6	574.2	579.8
-72.5°	240.8	259.6	274.7	290.9	304.7	318.3	330.2	339.2	345.3	350.4	353.8
-75°	143.2	155.8	167.6	177.7	184.0	187.1	187.0	184.2	179.0	178.8	179.4
-77.5°	91.4	96.3	101.0	104.9	108.4	111.6	114.3	116.6	119.1	121.7	123.7
-80°	61.7	64.8	67.7	70.2	72.5	74.7	76.6	78.1	79.4	80.5	81.5
-82.5°	37.6	39.5	41.4	42.8	44.1	45.2	46.2	47.1	47.9	48.7	49.3
-85°	20.7	21.6	22.3	22.9	23.4	23.9	24.2	24.6	24.8	25.1	25.2
-87.5°	7.3	7.8	8.2	8.5	8.8	9.0	9.3	9.5	9.6	9.7	9.8
-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: P622898 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
82.5°	9.3	9.3	9.3	9.1	9.2	9.2	9.2	9.0	8.7	8.3	8.0
80°	30.6	30.7	30.6	30.3	30.5	30.6	30.4	30.0	29.5	28.8	28.3
77.5°	63.0	63.2	63.2	62.8	63.1	63.1	62.8	62.2	61.3	60.0	58.8
75°	103.3	103.9	103.8	103.3	103.7	103.6	102.9	101.8	100.1	98.1	96.5
72.5°	152.5	153.5	153.7	153.3	153.7	153.4	152.4	150.7	148.3	145.9	144.1
70°	281.9	282.7	277.9	268.6	277.9	283.4	284.5	280.7	271.6	262.2	257.8
67.5°	562.3	567.4	567.6	562.7	568.9	569.8	565.8	556.9	543.2	533.6	528.0
65°	860.9	860.2	852.0	837.0	853.8	863.5	865.3	858.1	841.0	822.6	809.3
62.5°	1194.3	1208.6	1214.4	1212.0	1221.9	1224.7	1221.6	1213.9	1197.0	1180.0	1163.7
60°	1535.4	1549.0	1558.5	1560.1	1566.7	1564.4	1555.8	1543.6	1530.4	1508.2	1475.3
57.5°	1864.5	1876.1	1876.5	1868.6	1879.1	1880.8	1870.5	1847.4	1829.9	1822.8	1797.3
55°	2157.9	2168.7	2174.6	2174.2	2175.9	2171.2	2161.4	2148.1	2133.6	2121.0	2098.0
52.5°	2478.3	2486.1	2489.1	2483.8	2490.8	2489.7	2484.2	2469.8	2445.6	2411.5	2350.7
50°	2732.3	2743.7	2737.2	2717.3	2742.2	2753.4	2746.0	2715.3	2675.3	2660.7	2645.1
47.5°	3009.0	3022.5	3029.0	3028.6	3030.6	3026.0	3014.5	2994.2	2969.7	2932.9	2890.8
45°	3180.6	3194.6	3199.9	3197.0	3200.6	3196.3	3183.9	3163.1	3152.3	3142.7	3096.6
42.5°	3435.5	3444.2	3448.1	3445.8	3447.5	3442.3	3431.5	3409.3	3377.3	3318.3	3279.9
40°	3560.7	3577.2	3582.9	3580.3	3589.4	3588.3	3572.7	3541.5	3534.0	3516.6	3478.8
37.5°	3740.1	3762.0	3770.6	3768.9	3771.4	3763.9	3743.5	3731.5	3710.7	3678.2	3616.6
35°	3884.1	3895.0	3902.9	3905.8	3903.1	3895.2	3883.9	3868.2	3835.2	3787.8	3756.9
32.5°	3985.1	3998.2	4005.9	4004.9	4009.2	4007.3	3995.8	3965.9	3941.5	3914.0	3870.4
30°	4111.1	4112.4	4122.0	4130.5	4125.1	4114.1	4102.4	4078.7	4045.1	4019.3	3974.7
27.5°	4173.2	4189.8	4199.7	4199.4	4201.0	4194.7	4178.2	4157.7	4131.2	4112.5	4048.9
25°	4258.3	4268.0	4274.6	4274.7	4274.9	4268.7	4259.2	4250.0	4210.9	4184.6	4130.1
22.5°	4339.0	4352.6	4355.7	4353.7	4353.4	4344.8	4333.0	4308.7	4289.7	4252.9	4203.4
20°	4398.6	4411.9	4412.8	4414.2	4416.8	4416.3	4401.5	4376.7	4345.0	4300.5	4257.8
17.5°	4448.3	4460.6	4466.0	4466.4	4463.2	4458.9	4447.8	4426.1	4392.6	4351.7	4303.2
15°	4489.0	4496.2	4504.1	4507.6	4504.3	4494.6	4484.9	4465.9	4426.5	4385.0	4345.2
12.5°	4519.8	4533.7	4537.1	4537.4	4537.9	4534.9	4518.5	4493.9	4458.8	4420.4	4374.6
10°	4545.7	4559.1	4569.5	4567.4	4568.0	4562.6	4552.5	4520.4	4490.3	4453.7	4404.5
7.5°	4577.6	4588.2	4594.9	4593.8	4606.6	4591.7	4581.3	4557.2	4517.9	4480.5	4429.7
5°	4592.2	4612.2	4617.7	4616.7	4615.6	4609.1	4601.6	4578.4	4543.6	4499.3	4448.4
2.5°	4601.3	4615.1	4624.5	4624.4	4629.9	4624.0	4615.9	4584.7	4552.5	4506.8	4459.1
0°	4628.4	4638.2	4641.9	4632.5	4643.9	4630.1	4618.2	4598.2	4549.7	4508.5	4463.1
-2.5°	4623.4	4629.6	4635.9	4631.8	4623.3	4611.8	4599.6	4570.3	4540.1	4497.2	4453.6
-5°	4606.2	4617.4	4620.9	4611.9	4613.6	4598.1	4592.8	4558.4	4523.9	4482.2	4438.5
-7.5°	4590.2	4595.0	4598.6	4595.6	4593.9	4579.5	4575.2	4544.9	4503.9	4467.6	4419.9
-10°	4563.5	4577.1	4581.4	4588.9	4580.0	4565.7	4549.9	4528.3	4490.1	4450.3	4403.2
-12.5°	4545.5	4550.6	4555.1	4558.6	4549.3	4538.6	4527.0	4499.8	4468.0	4426.1	4381.1
-15°	4511.6	4517.7	4519.7	4514.9	4513.9	4508.7	4488.4	4461.3	4434.4	4391.8	4342.6
-17.5°	4461.7	4476.7	4480.3	4477.9	4473.9	4463.9	4449.2	4424.2	4391.4	4349.3	4305.3
-20°	4410.9	4423.6	4431.0	4426.5	4422.9	4411.5	4396.4	4374.6	4341.0	4300.1	4262.7



REPORT NUMBER: P622898 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4351.5	4357.7	4363.9	4360.4	4360.4	4352.8	4339.7	4313.5	4281.2	4245.0	4193.3
-25°	4272.2	4289.6	4293.0	4285.3	4287.8	4280.2	4260.8	4243.2	4206.3	4171.7	4126.7
-27.5°	4202.9	4215.7	4217.7	4213.5	4213.0	4205.0	4187.3	4162.5	4135.6	4102.1	4051.2
-30°	4122.0	4130.0	4136.5	4137.8	4129.8	4116.4	4101.3	4076.7	4046.0	4013.9	3974.1
-32.5°	4011.1	4021.9	4023.7	4018.5	4017.6	4010.4	3994.3	3967.2	3943.6	3911.8	3862.0
-35°	3900.2	3910.6	3917.1	3918.6	3913.2	3903.8	3892.3	3873.2	3836.2	3787.7	3750.0
-37.5°	3758.8	3773.7	3776.6	3769.1	3769.9	3759.4	3736.4	3718.3	3694.2	3656.4	3603.3
-40°	3593.0	3603.8	3604.9	3598.0	3599.8	3593.1	3575.8	3547.9	3529.5	3503.7	3459.2
-42.5°	3447.5	3453.1	3453.7	3447.6	3447.9	3441.1	3428.8	3400.7	3364.1	3314.7	3279.4
-45°	3218.4	3227.5	3230.3	3225.8	3223.5	3213.7	3196.8	3173.3	3159.3	3138.6	3086.1
-47.5°	3038.3	3049.2	3052.6	3048.5	3047.9	3039.6	3023.4	3001.7	2975.5	2941.6	2899.0
-50°	2830.8	2841.4	2846.0	2840.0	2840.1	2828.7	2809.5	2786.1	2752.5	2700.9	2661.9
-52.5°	2543.9	2552.3	2552.7	2545.7	2545.7	2538.5	2522.9	2498.5	2475.8	2462.4	2407.5
-55°	2236.8	2237.5	2221.6	2194.7	2210.8	2217.0	2209.4	2184.0	2138.3	2132.3	2121.0
-57.5°	1950.7	1951.8	1946.5	1933.2	1937.5	1932.3	1918.0	1896.0	1868.5	1846.1	1822.4
-60°	1688.5	1697.5	1700.8	1695.6	1693.8	1682.9	1665.5	1644.1	1621.2	1588.5	1545.0
-62.5°	1379.4	1386.0	1387.5	1383.1	1382.6	1376.1	1364.5	1348.4	1328.5	1314.3	1296.5
-65°	1116.3	1115.8	1106.8	1091.2	1100.9	1103.9	1098.4	1082.6	1054.5	1021.1	1003.4
-67.5°	839.3	841.2	837.6	829.7	831.9	830.1	823.3	811.0	791.3	768.2	749.6
-70°	582.9	583.1	579.9	573.0	573.8	571.2	566.0	558.9	550.9	542.8	530.7
-72.5°	354.9	353.5	349.4	342.6	348.6	351.8	352.2	349.8	344.7	336.0	325.3
-75°	179.2	178.2	176.5	174.1	174.1	173.5	172.4	170.6	168.4	167.3	172.1
-77.5°	125.1	125.7	125.9	125.5	125.4	125.0	124.0	122.6	120.7	118.4	116.3
-80°	82.2	82.6	82.8	82.7	82.7	82.5	82.0	81.2	80.2	78.8	77.4
-82.5°	49.7	49.9	50.0	49.9	49.9	49.7	49.4	48.9	48.2	47.4	46.5
-85°	25.3	25.4	25.4	25.3	25.3	25.2	25.0	24.8	24.6	24.2	23.9
-87.5°	9.9	10.0	10.0	10.0	9.9	9.8	9.7	9.6	9.5	9.3	9.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622898 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.9	1.1	1.2	1.3	1.2	1.0	0.7	0.4	0.5	0.5	0.5
82.5°	7.6	7.4	7.3	7.2	7.1	7.0	6.8	6.5	6.1	5.7	5.2
80°	27.4	26.3	24.7	23.3	21.8	20.4	18.7	17.0	15.5	13.7	11.9
77.5°	57.2	55.4	53.4	51.1	48.6	46.0	43.0	39.6	35.8	31.7	28.1
75°	94.3	91.7	88.5	84.8	80.4	75.9	71.0	66.3	61.9	57.0	51.9
72.5°	141.0	136.5	131.6	126.8	124.1	120.2	110.9	99.9	92.5	84.9	78.1
70°	259.5	256.8	247.3	227.6	201.9	190.7	190.2	181.9	161.6	136.9	113.9
67.5°	514.5	496.6	474.1	446.5	415.1	383.8	353.5	314.2	267.8	250.0	220.6
65°	790.4	763.6	745.1	724.8	674.3	618.4	572.1	522.4	469.8	412.3	343.8
62.5°	1138.0	1102.8	1056.2	995.0	934.2	878.7	829.7	754.5	675.4	607.7	528.1
60°	1449.0	1407.4	1346.3	1308.9	1249.4	1171.3	1078.6	1000.9	925.4	821.0	709.5
57.5°	1748.5	1697.4	1634.5	1593.9	1526.0	1417.5	1353.7	1261.6	1154.3	1051.2	934.2
55°	2042.5	1959.6	1920.3	1862.5	1778.2	1692.4	1612.4	1481.2	1391.3	1270.5	1142.0
52.5°	2296.4	2276.2	2230.3	2146.8	2044.2	1966.4	1845.3	1744.8	1615.8	1473.9	1341.9
50°	2627.7	2552.1	2451.6	2372.9	2316.9	2234.9	2117.4	1991.1	1833.6	1701.6	1541.4
47.5°	2830.1	2787.0	2731.3	2649.3	2508.6	2417.3	2346.2	2228.8	2070.3	1881.2	1748.0
45°	3026.5	2959.4	2897.1	2821.7	2750.8	2640.9	2502.8	2402.9	2262.3	2101.3	1899.8
42.5°	3259.1	3210.0	3091.0	3004.5	2892.6	2808.0	2716.9	2546.0	2429.1	2260.7	2100.9
40°	3399.6	3345.8	3295.7	3202.2	3102.4	2959.3	2839.8	2728.5	2560.4	2434.6	2232.5
37.5°	3578.1	3508.5	3422.6	3352.5	3259.8	3156.3	3000.8	2855.4	2718.4	2552.1	2416.3
35°	3720.9	3633.8	3565.4	3476.3	3395.5	3273.3	3144.6	2999.9	2850.6	2673.3	2524.5
32.5°	3803.7	3751.7	3689.9	3593.3	3487.4	3378.5	3246.3	3113.4	2977.8	2820.2	2601.5
30°	3915.8	3850.9	3769.3	3702.2	3589.9	3469.4	3341.4	3202.2	3064.5	2920.6	2720.7
27.5°	4004.0	3935.9	3871.5	3769.4	3679.5	3565.1	3426.8	3281.8	3146.0	2992.7	2804.8
25°	4079.4	4013.0	3939.5	3852.1	3751.7	3636.9	3520.2	3349.9	3200.9	3060.0	2875.5
22.5°	4147.4	4085.5	3997.6	3920.3	3819.2	3712.3	3579.7	3431.4	3272.8	3123.8	2944.8
20°	4210.0	4133.4	4058.2	3969.0	3873.1	3765.9	3631.9	3486.8	3318.3	3168.1	3007.7
17.5°	4245.1	4182.9	4101.1	4012.1	3924.4	3801.5	3684.2	3528.1	3369.1	3215.0	3056.8
15°	4285.3	4213.9	4140.4	4063.5	3951.6	3847.5	3716.6	3574.6	3402.6	3247.7	3092.6
12.5°	4321.7	4252.0	4174.5	4082.0	3990.5	3879.9	3739.5	3609.1	3429.4	3277.4	3127.7
10°	4351.0	4280.8	4202.9	4119.7	4021.9	3892.9	3768.5	3638.3	3462.2	3309.1	3155.8
7.5°	4371.8	4309.2	4229.5	4140.2	4042.2	3920.1	3799.5	3662.3	3491.9	3333.7	3177.1
5°	4388.5	4328.6	4242.3	4158.5	4056.5	3940.8	3823.3	3679.5	3509.0	3349.3	3191.4
2.5°	4399.9	4336.8	4251.9	4169.2	4067.2	3952.3	3837.3	3689.7	3514.4	3357.3	3198.5
0°	4405.1	4340.1	4256.0	4172.1	4072.6	3953.8	3840.5	3692.6	3509.7	3358.2	3198.3
-2.5°	4394.3	4328.7	4247.2	4165.8	4064.5	3952.6	3836.8	3692.0	3517.8	3359.5	3200.8
-5°	4375.4	4311.5	4232.1	4153.2	4049.1	3941.9	3824.3	3683.7	3516.7	3353.6	3196.2
-7.5°	4362.6	4293.3	4214.0	4129.7	4026.4	3921.7	3806.2	3668.6	3505.6	3340.0	3184.9
-10°	4344.6	4276.2	4195.6	4109.1	4011.9	3893.3	3782.4	3649.5	3483.7	3320.3	3167.1
-12.5°	4321.3	4253.0	4173.0	4082.6	3994.2	3876.0	3750.0	3624.3	3447.8	3295.7	3140.6
-15°	4288.3	4220.0	4141.7	4055.3	3955.5	3851.1	3720.5	3588.9	3413.1	3264.8	3104.5
-17.5°	4252.3	4178.7	4104.1	4022.7	3915.5	3809.2	3688.9	3542.6	3380.7	3230.4	3067.7
-20°	4200.7	4127.7	4057.3	3967.4	3877.5	3760.5	3640.0	3490.1	3345.9	3186.4	3023.1



REPORT NUMBER: P622898 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4135.5	4076.2	3999.5	3920.1	3815.4	3712.6	3581.1	3439.3	3287.4	3133.3	2964.5
-25°	4073.3	4011.8	3944.9	3854.1	3755.9	3641.1	3516.2	3384.4	3222.2	3071.3	2887.5
-27.5°	4001.2	3945.6	3872.4	3781.6	3682.2	3565.6	3440.8	3296.9	3154.2	3005.3	2822.0
-30°	3914.6	3850.0	3783.8	3702.9	3595.2	3473.5	3354.3	3211.5	3074.2	2928.5	2748.4
-32.5°	3807.4	3755.1	3681.6	3599.9	3487.4	3386.4	3249.5	3118.5	2988.3	2844.3	2619.4
-35°	3701.3	3626.4	3561.3	3468.9	3400.1	3267.5	3144.8	3015.4	2868.7	2693.8	2519.7
-37.5°	3561.5	3490.4	3414.5	3352.2	3251.7	3150.6	3022.3	2874.4	2725.5	2547.1	2413.6
-40°	3393.1	3345.5	3283.8	3188.8	3098.9	3001.4	2856.1	2720.5	2553.8	2433.1	2251.5
-42.5°	3249.5	3178.1	3080.2	3013.7	2924.1	2810.1	2687.1	2539.4	2429.7	2275.1	2113.2
-45°	3022.7	2967.1	2909.2	2828.7	2741.3	2624.6	2502.1	2405.6	2274.9	2121.7	1913.1
-47.5°	2845.7	2792.2	2732.9	2648.5	2528.8	2425.7	2350.5	2249.6	2098.3	1896.2	1762.8
-50°	2635.7	2588.2	2492.8	2388.2	2325.9	2250.0	2155.0	2022.9	1853.4	1732.3	1549.5
-52.5°	2338.6	2291.3	2247.6	2176.2	2088.5	1997.5	1873.2	1776.6	1662.1	1498.4	1381.1
-55°	2079.7	2016.3	1951.5	1897.2	1818.8	1719.5	1653.1	1528.3	1414.7	1305.0	1197.3
-57.5°	1802.8	1758.0	1667.5	1611.4	1564.6	1491.4	1397.4	1299.7	1199.1	1124.3	1024.9
-60°	1502.9	1479.8	1454.4	1393.1	1318.4	1239.4	1156.7	1096.9	1015.7	922.5	834.6
-62.5°	1268.2	1229.1	1176.2	1117.4	1073.5	1029.0	943.7	876.1	804.7	726.9	672.9
-65°	989.5	972.6	925.7	864.5	831.7	788.8	728.1	674.5	630.1	559.2	501.6
-67.5°	730.5	710.1	682.9	647.5	605.4	568.8	530.3	488.9	447.3	411.7	371.9
-70°	511.0	489.0	465.5	443.7	421.9	395.1	366.3	338.0	305.9	281.1	257.9
-72.5°	312.0	296.4	281.9	268.0	252.3	243.1	233.8	221.8	207.5	190.4	169.8
-75°	174.9	175.3	173.1	168.1	161.1	153.8	144.5	134.3	122.3	105.1	98.6
-77.5°	113.9	111.0	107.6	103.8	99.8	95.3	90.3	85.1	79.9	74.3	68.7
-80°	75.7	73.7	71.4	69.0	66.5	63.4	60.1	56.6	53.1	49.4	45.5
-82.5°	45.4	44.2	43.0	41.6	40.0	38.1	36.1	33.9	31.9	29.7	27.5
-85°	23.5	23.0	22.5	21.9	21.2	20.4	19.5	18.5	17.5	16.5	15.5
-87.5°	8.8	8.4	8.1	7.8	7.4	6.9	6.5	6.0	5.7	5.4	5.1
-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: P622898 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
85°	0.7	0.8	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6
82.5°	4.7	4.3	3.9	3.6	3.3	3.0	2.5	2.1	1.8	1.7	1.4
80°	11.2	10.3	9.0	8.0	7.2	6.5	5.7	4.9	4.1	3.5	2.8
77.5°	25.3	22.0	19.4	16.4	13.9	11.3	9.5	8.1	6.6	5.6	4.6
75°	46.9	41.6	36.2	31.2	25.5	21.3	17.1	13.5	10.6	7.9	6.4
72.5°	70.9	63.8	56.8	49.9	42.9	35.5	27.9	22.3	17.1	12.4	8.9
70°	107.2	95.2	80.2	70.1	60.7	51.8	42.7	33.6	25.7	19.0	13.2
67.5°	181.2	150.6	126.9	103.7	81.9	68.5	57.7	47.0	36.3	26.9	19.1
65°	292.9	252.9	203.4	161.2	126.1	92.8	74.0	60.6	48.3	36.2	25.8
62.5°	446.8	364.5	307.0	250.1	193.3	138.4	97.7	75.6	60.3	46.6	33.2
60°	618.2	524.9	430.7	347.0	278.9	205.0	139.7	95.3	73.3	56.8	42.0
57.5°	797.3	683.4	577.9	472.3	369.6	286.1	201.8	127.7	88.2	68.0	50.8
55°	1020.3	860.4	724.3	605.8	486.3	373.0	275.2	182.0	111.0	80.0	59.4
52.5°	1207.0	1076.1	889.8	737.8	605.9	475.9	355.6	245.9	150.0	92.7	69.3
50°	1381.7	1240.3	1097.5	884.2	721.2	583.2	442.8	316.2	201.5	112.2	79.9
47.5°	1581.5	1392.6	1241.9	1059.0	847.0	682.9	537.7	391.4	258.0	144.4	92.1
45°	1764.0	1587.0	1369.0	1193.8	986.8	787.4	628.9	470.9	319.6	188.7	107.7
42.5°	1894.7	1748.9	1522.8	1312.0	1119.6	899.6	709.5	550.6	384.6	237.6	126.4
40°	2076.3	1857.5	1668.0	1420.5	1224.8	1014.1	799.5	627.0	452.1	286.0	155.9
37.5°	2182.8	1990.1	1784.0	1560.7	1325.6	1113.8	891.4	692.9	515.4	335.0	190.3
35°	2319.9	2102.4	1866.1	1662.3	1415.2	1199.1	979.4	759.2	574.8	384.7	225.4
32.5°	2435.5	2181.3	1992.9	1764.5	1524.7	1287.9	1057.5	828.9	630.2	434.2	260.2
30°	2502.1	2311.6	2072.6	1830.4	1599.6	1356.2	1123.4	895.4	678.9	480.2	293.5
27.5°	2579.1	2387.2	2133.9	1920.0	1678.2	1427.4	1188.4	955.8	723.7	522.5	326.6
25°	2675.4	2437.9	2218.7	1995.9	1753.7	1502.0	1253.2	1008.8	770.4	561.2	357.1
22.5°	2735.8	2497.6	2296.1	2045.8	1800.3	1553.8	1306.0	1056.6	815.0	596.2	386.4
20°	2779.2	2567.3	2334.7	2091.2	1857.1	1600.5	1350.4	1099.9	854.9	627.5	414.6
17.5°	2819.3	2627.0	2377.3	2139.1	1911.6	1653.0	1392.5	1138.9	889.1	655.1	439.6
15°	2885.3	2670.0	2413.6	2192.9	1952.3	1695.2	1431.7	1173.1	917.9	679.6	461.5
12.5°	2933.4	2702.8	2456.4	2231.9	1987.2	1724.7	1463.3	1200.8	941.6	700.9	480.1
10°	2971.3	2730.3	2486.4	2259.8	2018.1	1747.5	1487.3	1222.3	961.2	718.9	495.6
7.5°	3001.1	2750.5	2508.3	2283.6	2035.6	1765.4	1503.6	1237.7	976.4	733.4	507.9
5°	3015.4	2763.8	2525.2	2301.6	2045.5	1778.0	1514.6	1247.4	986.9	744.3	517.1
2.5°	3023.0	2770.0	2532.5	2312.3	2049.9	1784.5	1520.0	1251.8	992.7	751.4	523.1
0°	3022.5	2769.1	2529.4	2313.9	2048.8	1784.2	1519.5	1251.1	993.8	754.8	526.2
-2.5°	3024.7	2773.0	2535.8	2314.4	2053.0	1787.3	1523.3	1255.9	997.5	757.0	528.2
-5°	3018.8	2769.5	2532.4	2305.9	2051.3	1783.4	1521.0	1256.0	996.4	755.4	527.3
-7.5°	3005.8	2758.2	2521.0	2290.3	2043.4	1773.3	1512.5	1251.1	990.4	750.0	523.2
-10°	2980.9	2738.9	2503.5	2269.2	2027.4	1757.3	1497.8	1241.2	979.3	740.7	516.2
-12.5°	2951.3	2711.8	2474.6	2244.3	1999.9	1736.1	1478.7	1226.3	964.0	727.8	506.0
-15°	2909.4	2680.9	2430.9	2211.6	1969.0	1709.8	1454.7	1206.1	946.0	711.2	492.9
-17.5°	2841.8	2643.8	2394.9	2166.6	1932.3	1676.4	1425.6	1178.3	923.5	691.0	476.9
-20°	2795.0	2599.6	2352.7	2119.3	1880.9	1635.6	1389.2	1144.8	896.3	669.1	458.0



REPORT NUMBER: P622898 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2751.6	2522.7	2314.8	2067.6	1825.6	1586.2	1347.1	1106.7	864.5	644.1	436.2
-25°	2699.1	2451.2	2244.5	2019.8	1777.1	1530.7	1301.5	1060.7	828.9	615.6	414.0
-27.5°	2607.0	2396.1	2162.7	1943.3	1710.6	1477.0	1251.6	1008.4	789.9	583.5	391.3
-30°	2507.2	2324.2	2091.5	1852.0	1633.7	1413.5	1195.5	958.2	747.9	547.9	366.5
-32.5°	2436.5	2207.7	2005.0	1776.4	1543.1	1342.7	1131.1	903.8	703.2	509.7	338.3
-35°	2330.2	2117.3	1883.1	1687.5	1468.8	1266.5	1050.9	848.1	656.4	469.0	307.0
-37.5°	2202.5	1995.1	1786.8	1563.4	1381.6	1185.0	972.5	785.2	605.7	429.5	275.7
-40°	2074.9	1860.8	1675.1	1474.8	1287.6	1092.2	894.1	717.6	551.1	392.3	245.8
-42.5°	1904.1	1747.1	1532.7	1368.6	1188.3	992.8	814.8	650.5	492.6	349.4	217.0
-45°	1767.9	1567.5	1426.6	1256.0	1076.6	895.2	726.6	579.5	436.0	302.2	191.9
-47.5°	1578.3	1446.2	1300.1	1136.4	958.9	797.0	647.8	508.2	381.4	262.1	165.8
-50°	1427.6	1295.2	1165.4	1003.0	846.6	692.3	564.6	438.6	323.0	222.3	138.6
-52.5°	1259.4	1147.9	1011.1	871.4	718.8	602.8	484.1	369.1	267.8	187.3	110.5
-55°	1102.2	977.7	858.5	727.9	619.9	510.1	401.0	306.3	218.9	151.6	82.8
-57.5°	918.4	813.9	703.9	613.9	516.8	418.0	327.6	241.0	178.8	115.7	70.2
-60°	746.9	660.2	577.0	500.5	415.2	331.8	255.4	193.8	138.2	83.6	59.5
-62.5°	589.9	520.5	460.4	384.2	322.8	253.5	197.6	149.3	97.8	67.3	50.8
-65°	452.5	400.9	334.2	296.8	233.8	191.3	149.7	105.0	73.8	56.1	42.6
-67.5°	319.8	289.3	248.9	205.9	175.2	140.5	102.0	75.4	58.6	46.0	35.1
-70°	229.7	198.6	171.8	145.7	121.0	92.6	71.4	58.0	46.8	36.8	28.3
-72.5°	148.0	126.5	111.0	93.6	78.8	65.1	54.0	44.8	36.4	28.8	23.2
-75°	91.3	82.9	72.7	64.1	55.5	47.9	40.4	33.6	27.6	22.6	18.2
-77.5°	62.9	56.6	50.9	45.0	39.5	34.1	29.0	24.5	20.6	17.1	13.3
-80°	41.6	37.7	33.7	30.0	26.3	22.7	20.1	17.5	14.6	11.5	8.3
-82.5°	25.0	22.9	21.1	19.2	17.3	15.3	13.2	10.9	8.8	6.9	5.3
-85°	14.2	13.0	11.8	10.6	9.3	8.0	6.6	5.3	4.4	3.7	3.0
-87.5°	4.7	4.4	4.0	3.7	3.3	3.0	2.6	2.2	1.9	1.6	1.4
-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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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P622898 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.0
85°	0.5	0.4	0.4	0.3	0.2	0.1	0.0
82.5°	1.0	1.0	0.8	0.5	0.4	0.2	0.0
80°	2.3	1.7	1.4	1.0	0.5	0.3	0.0
77.5°	3.7	2.9	2.1	1.5	0.7	0.3	0.0
75°	5.2	4.1	3.1	2.0	1.1	0.4	0.0
72.5°	6.8	5.4	4.0	2.7	1.5	0.5	0.0
70°	8.7	6.8	5.0	3.4	1.9	0.5	0.0
67.5°	12.7	8.4	6.0	4.1	2.3	0.6	0.0
65°	17.3	10.9	7.2	4.8	2.7	0.8	0.0
62.5°	22.6	14.2	8.7	5.6	3.2	1.0	0.0
60°	28.7	18.0	10.1	6.3	3.7	1.2	0.0
57.5°	35.0	22.2	12.7	7.0	4.1	1.4	0.0
55°	42.2	26.7	15.3	8.2	4.6	1.6	0.0
52.5°	49.3	31.8	18.0	9.3	5.0	1.8	0.0
50°	56.2	36.8	21.2	10.5	5.4	2.0	0.0
47.5°	63.2	42.3	24.2	11.8	5.8	2.2	0.0
45°	72.1	47.6	27.4	13.6	6.2	2.3	0.0
42.5°	81.0	52.7	31.0	15.3	6.6	2.5	0.0
40°	92.3	57.6	34.6	16.9	7.0	2.7	0.0
37.5°	103.7	62.2	38.0	18.5	7.3	2.8	0.0
35°	117.7	68.3	41.4	20.2	7.9	3.0	0.0
32.5°	133.2	75.0	44.7	22.0	8.5	3.2	0.0
30°	148.3	81.4	47.7	23.7	9.1	3.3	0.0
27.5°	170.5	88.2	50.6	25.3	9.7	3.5	0.0
25°	192.4	96.3	53.3	26.7	10.2	3.6	0.0
22.5°	212.7	104.2	55.8	28.1	10.8	3.7	0.0
20°	231.7	111.6	58.1	29.4	11.2	3.8	0.0
17.5°	249.9	118.6	60.1	30.9	11.6	3.9	0.0
15°	266.1	125.9	61.9	32.1	12.0	4.0	0.0
12.5°	280.2	133.3	63.4	33.3	12.4	4.1	0.0
10°	292.1	139.8	64.8	34.2	12.7	4.1	0.0
7.5°	302.0	145.4	65.8	35.0	12.9	4.2	0.0
5°	309.7	150.0	66.7	35.6	13.1	4.2	0.0
2.5°	315.4	153.5	67.3	36.0	13.3	4.3	0.0
0°	318.9	155.9	67.6	36.3	13.4	4.3	0.0
-2.5°	320.9	157.4	68.0	36.4	13.5	4.3	0.0
-5°	320.7	157.7	68.1	36.3	13.5	4.3	0.0
-7.5°	318.4	156.8	68.0	36.1	13.5	4.3	0.0
-10°	313.8	154.7	67.5	35.6	13.5	4.3	0.0
-12.5°	307.1	151.4	66.8	35.0	13.3	4.2	0.0
-15°	298.0	146.8	65.7	34.2	13.2	4.2	0.0
-17.5°	286.7	141.8	64.4	33.3	12.9	4.1	0.0
-20°	273.1	136.2	62.7	32.1	12.6	4.0	0.0

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REPORT NUMBER: P622898 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-70W-7040

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	258.7	129.4	60.7	31.1	12.3	3.9	0.0
-25°	243.1	121.5	58.3	30.0	11.9	3.8	0.0
-27.5°	225.8	112.4	56.0	28.8	11.4	3.7	0.0
-30°	207.5	103.7	53.5	27.5	10.9	3.6	0.0
-32.5°	192.3	94.4	50.9	26.0	10.4	3.5	0.0
-35°	175.8	83.9	48.0	24.4	9.8	3.3	0.0
-37.5°	158.6	74.5	44.9	22.8	9.2	3.2	0.0
-40°	141.0	69.1	41.7	21.5	8.8	3.0	0.0
-42.5°	121.9	63.3	38.4	20.0	8.4	2.8	0.0
-45°	103.5	57.8	34.8	18.5	7.9	2.7	0.0
-47.5°	83.5	52.9	31.8	16.9	7.4	2.5	0.0
-50°	72.9	47.8	28.8	15.5	6.9	2.3	0.0
-52.5°	63.5	42.8	25.6	14.0	6.3	2.1	0.0
-55°	56.4	37.6	23.1	12.5	5.8	1.9	0.0
-57.5°	49.5	33.0	20.6	10.9	5.3	1.7	0.0
-60°	42.9	28.6	18.1	9.8	4.8	1.4	0.0
-62.5°	36.4	24.7	15.8	8.6	4.3	1.2	0.0
-65°	30.7	21.4	13.4	7.3	3.7	1.0	0.0
-67.5°	25.8	18.2	11.2	6.2	3.2	0.8	0.0
-70°	21.8	14.9	9.1	5.3	2.7	0.7	0.0
-72.5°	17.7	11.8	7.0	4.3	2.2	0.6	0.0
-75°	13.5	8.7	5.6	3.4	1.7	0.6	0.0
-77.5°	9.3	6.3	4.3	2.7	1.2	0.5	0.0
-80°	6.3	4.5	3.1	1.9	0.9	0.4	0.0
-82.5°	3.9	3.0	2.1	1.2	0.7	0.3	0.0
-85°	2.4	1.7	1.2	0.8	0.4	0.2	0.0
-87.5°	1.1	0.8	0.6	0.4	0.2	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)