

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: P622891 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF120-XX-PC-120W-7030**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622891 (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-120W-7030
Description: Flood light with selectable wattage and CCT
Light Source: (1) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

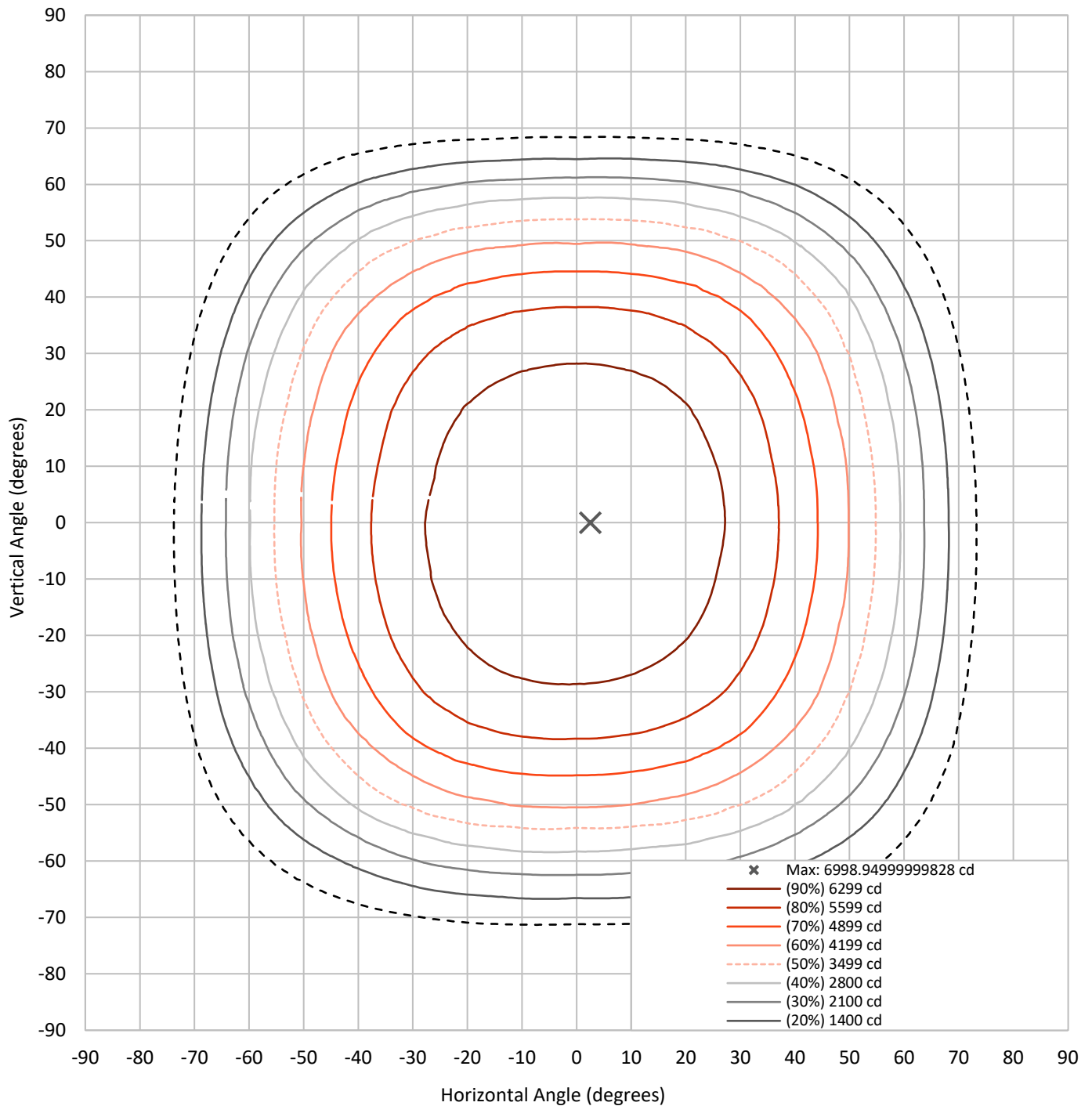
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	18588.3 lumens	Max Intensity:	6998.9 candela
Efficiency:	N/A	Max Intensity Angle:	2.5°H x 0°V
Efficacy:	148.7 lumens/watt		
Luminous Opening:	Rectangular (W 0.18m x L: 2.6m x H: 0m)		
Beam Angle (50%):	110.3°H x 108°V	Field Angle (10%):	147°H x 139.6°V
Beam Lumens:	15033.7 lumens	Field Lumens:	18279.5 lumens
Beam Efficiency:	80.9%	Field Efficiency:	98.3%

Input Watts (W): 125
Input Voltage (V): 120
Input Current (A_{in}): 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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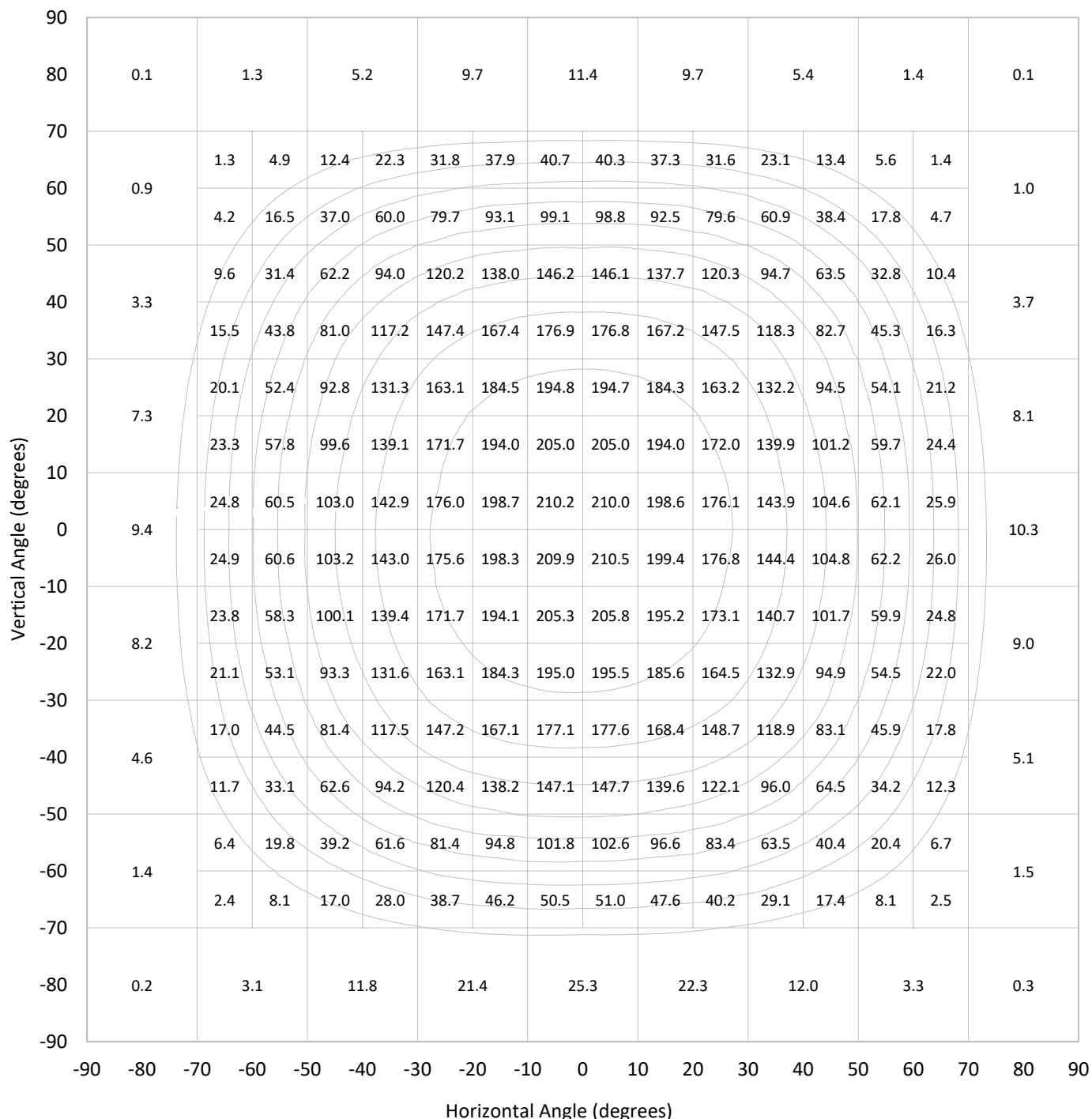
Iso-Candela Plot





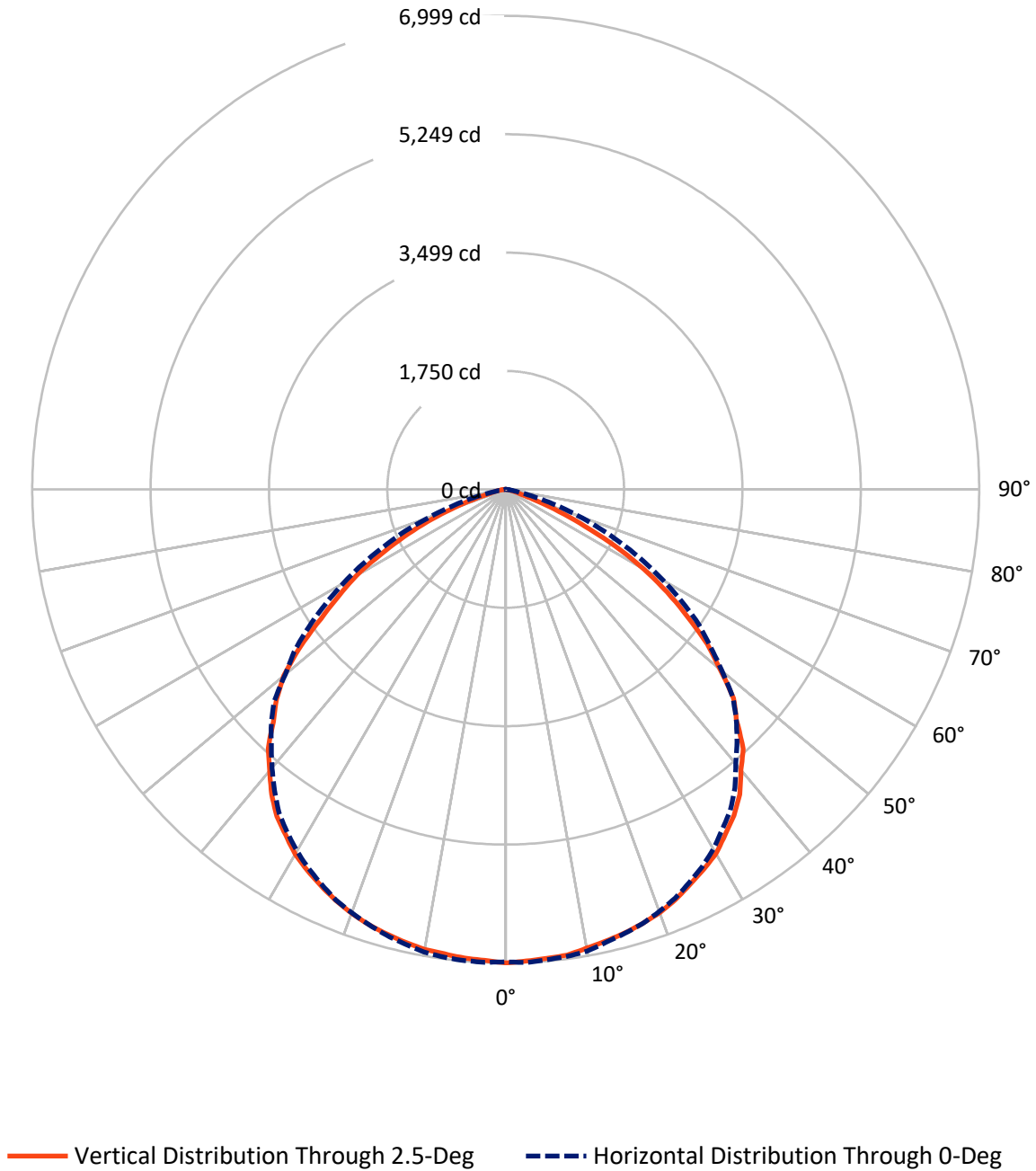
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Lumen Table



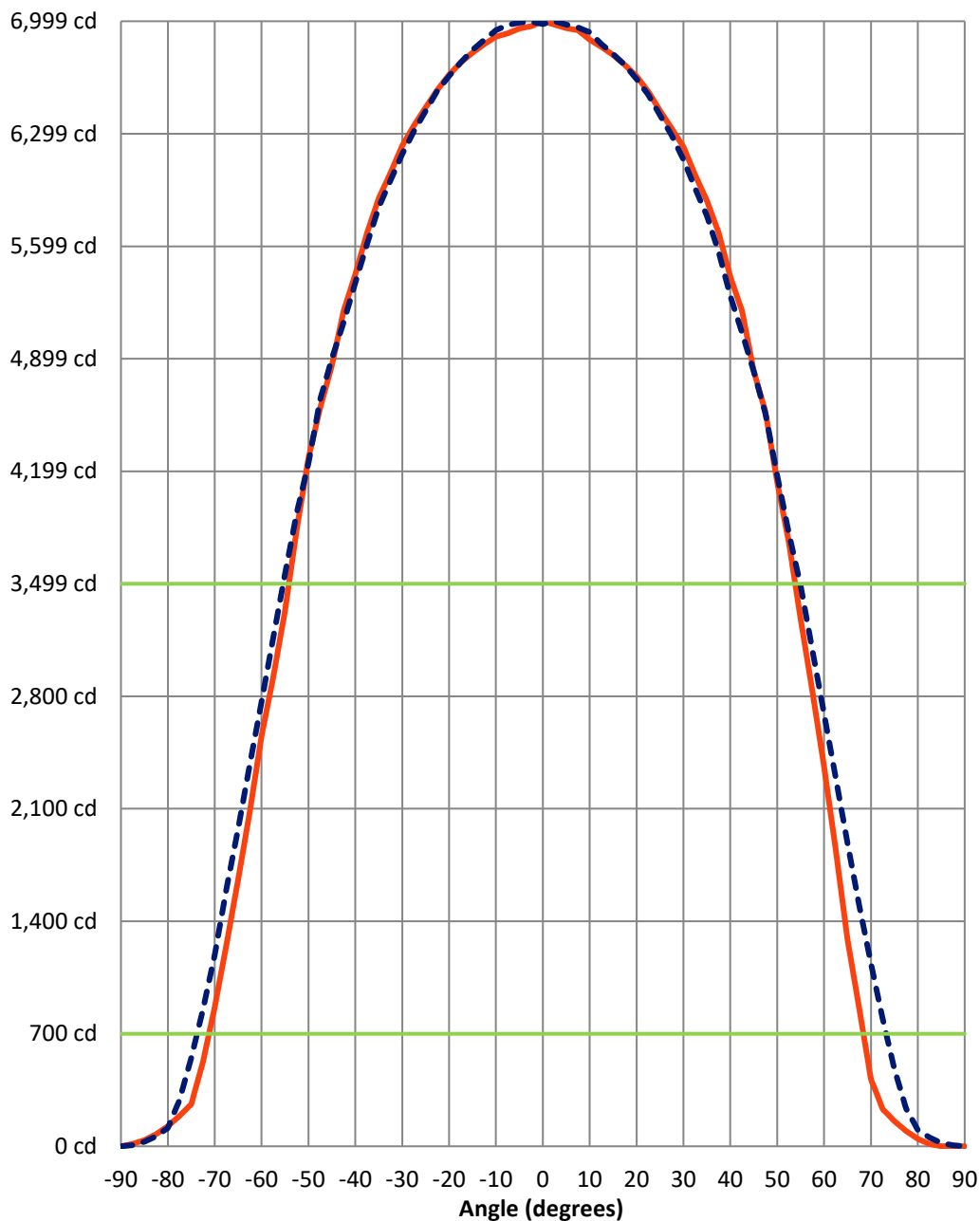
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 110.3°
 V Angle: 108°
 Lumens: 15033.7
 Efficiency: 80.9%

Field:
 H Angle: 147°
 V Angle: 139.6°
 Lumens: 18279.5
 Efficiency: 98.3%

Spill:
 Lumens: 308.8
 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	0.2	0.3	0.4	0.5	0.5	0.4	0.4	0.5	0.5	0.5
85°	0.0	0.4	0.7	0.8	0.9	0.9	0.9	1.0	1.1	1.1	1.1
82.5°	0.0	0.6	1.0	1.3	1.5	1.6	1.6	2.3	2.9	3.2	3.5
80°	0.0	0.8	1.3	1.9	2.2	2.8	4.0	4.9	6.0	7.1	8.2
77.5°	0.0	1.0	1.7	2.5	3.3	4.9	6.5	8.0	9.5	11.2	13.6
75°	0.0	1.1	2.2	3.1	5.0	7.3	9.2	11.0	13.5	17.8	22.5
72.5°	0.0	1.3	2.6	4.2	6.8	10.1	12.0	15.1	20.9	28.3	36.8
70°	0.0	1.5	3.1	5.5	9.3	12.8	15.3	22.3	31.5	42.8	55.2
67.5°	0.0	1.7	3.6	6.8	11.9	15.6	21.8	31.8	45.1	60.0	75.9
65°	0.0	1.9	4.2	8.6	14.5	19.7	29.3	43.1	60.3	78.2	97.0
62.5°	0.0	2.2	5.1	10.7	17.1	25.0	37.7	56.4	76.0	96.6	122.5
60°	0.0	2.4	5.9	12.8	19.7	30.9	48.3	69.7	91.4	117.5	160.3
57.5°	0.0	2.6	6.7	15.0	23.6	37.8	59.3	82.7	109.1	145.6	222.0
55°	0.0	2.9	7.4	17.1	27.5	45.2	70.1	95.6	129.6	191.1	316.0
52.5°	0.0	3.1	8.4	19.2	31.6	53.7	80.8	112.0	153.1	261.2	427.9
50°	0.0	3.3	9.8	21.3	36.8	62.1	91.7	130.6	193.8	349.7	533.6
47.5°	0.0	3.5	11.2	23.5	41.8	70.4	103.1	154.3	252.3	445.7	651.4
45°	0.0	3.8	12.6	26.0	46.8	78.4	119.1	185.5	328.3	537.2	771.5
42.5°	0.0	4.0	13.9	28.5	52.7	86.5	135.3	223.1	410.5	634.8	887.8
40°	0.0	4.2	15.2	30.9	58.4	94.7	158.1	275.2	488.9	735.3	1000.0
37.5°	0.0	4.3	16.5	33.2	63.7	102.6	181.3	333.8	564.6	830.7	1105.9
35°	0.0	4.6	17.7	36.0	69.0	113.8	208.8	392.6	639.3	920.7	1213.7
32.5°	0.0	4.9	18.9	38.9	74.1	126.6	238.1	450.1	710.3	1004.4	1323.6
30°	0.0	5.1	20.0	41.7	78.8	139.1	266.5	504.5	778.0	1081.5	1421.2
27.5°	0.0	5.4	21.0	44.3	83.3	152.7	304.4	557.9	843.5	1152.7	1511.6
25°	0.0	5.6	22.0	46.7	87.6	169.8	341.5	607.8	903.5	1226.0	1600.8
22.5°	0.0	5.8	23.0	48.9	92.1	186.4	375.7	652.5	956.6	1296.2	1681.4
20°	0.0	6.0	23.9	51.2	96.1	202.3	407.5	690.5	1004.0	1358.7	1748.8
17.5°	0.0	6.2	24.7	53.4	99.8	217.3	437.4	723.5	1045.9	1413.9	1807.2
15°	0.0	6.3	25.5	55.3	103.1	231.9	463.8	751.5	1083.0	1462.3	1857.2
12.5°	0.0	6.4	26.1	57.0	106.1	245.7	486.7	777.3	1114.7	1503.8	1898.9
10°	0.0	6.5	26.7	58.5	108.6	257.8	506.2	801.9	1140.9	1538.5	1931.5
7.5°	0.0	6.6	27.3	59.7	110.7	268.3	522.3	821.6	1161.5	1565.5	1955.1
5°	0.0	6.7	27.7	60.6	112.3	276.9	535.0	836.4	1176.6	1584.8	1970.2
2.5°	0.0	6.8	28.0	61.3	113.5	283.8	544.3	846.3	1186.2	1596.4	1977.0
0°	0.0	6.8	28.3	61.7	114.3	288.7	550.3	851.3	1190.2	1600.5	1975.9
-2.5°	0.0	6.8	28.3	61.9	114.9	290.0	552.6	853.7	1195.0	1603.2	1979.8
-5°	0.0	6.8	28.3	61.7	115.0	289.3	551.5	851.1	1194.1	1598.5	1976.2
-7.5°	0.0	6.8	28.1	61.3	114.6	286.5	547.1	843.7	1187.5	1586.4	1965.0
-10°	0.0	6.8	27.9	60.7	113.6	281.8	539.4	831.5	1175.0	1566.9	1946.5
-12.5°	0.0	6.7	27.6	59.8	112.1	275.1	528.3	814.4	1156.4	1540.5	1920.4
-15°	0.0	6.7	27.2	58.6	110.0	266.4	513.8	797.0	1131.8	1508.6	1887.0
-17.5°	0.0	6.6	26.7	57.2	107.3	255.8	496.0	778.4	1101.1	1470.9	1846.2
-20°	0.0	6.4	26.1	55.5	103.9	243.4	474.9	755.8	1067.1	1427.9	1798.2

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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	6.3	25.4	53.8	99.9	229.0	450.4	729.2	1027.9	1377.2	1742.7
-25°	0.0	6.1	24.6	52.1	95.2	212.8	422.4	695.4	983.3	1319.5	1673.5
-27.5°	0.0	5.9	23.8	50.1	91.2	194.7	390.9	656.2	932.0	1256.3	1597.1
-30°	0.0	5.7	22.9	47.9	87.4	178.3	357.6	613.9	875.4	1188.2	1525.2
-32.5°	0.0	5.5	21.9	45.5	83.2	161.2	331.3	570.2	820.6	1115.5	1447.6
-35°	0.0	5.2	20.8	42.9	78.6	142.2	303.0	523.3	767.6	1041.7	1355.3
-37.5°	0.0	5.0	19.6	40.3	73.9	125.3	272.7	472.2	709.7	962.0	1247.4
-40°	0.0	4.8	18.4	38.2	69.2	114.7	240.6	416.1	648.7	877.1	1137.0
-42.5°	0.0	4.6	17.1	36.0	64.2	103.2	206.6	363.8	583.8	793.5	1028.6
-45°	0.0	4.4	15.8	33.6	58.9	93.5	174.9	321.7	514.6	707.8	914.6
-47.5°	0.0	4.2	14.3	31.1	54.1	86.0	140.8	277.7	437.3	624.3	801.0
-50°	0.0	3.9	12.9	28.8	49.2	78.1	120.8	231.7	365.4	536.0	692.7
-52.5°	0.0	3.7	11.3	26.5	44.2	70.5	102.3	185.2	307.9	440.7	597.4
-55°	0.0	3.5	10.3	24.1	39.9	62.7	91.0	139.2	249.5	355.0	499.5
-57.5°	0.0	3.2	9.3	21.6	35.8	55.4	80.5	114.3	190.7	289.7	387.2
-60°	0.0	2.9	8.3	19.1	31.5	48.3	70.3	95.4	137.6	223.9	309.9
-62.5°	0.0	2.6	7.3	16.5	28.1	41.8	60.3	82.3	107.7	158.2	238.1
-65°	0.0	2.4	6.3	13.9	24.6	35.8	51.2	69.6	90.1	118.0	166.7
-67.5°	0.0	2.1	5.4	11.6	21.0	30.5	42.7	57.7	74.7	93.8	119.6
-70°	0.0	1.9	4.7	9.7	17.4	26.1	34.8	46.7	60.4	75.6	92.6
-72.5°	0.0	1.7	4.1	7.8	13.8	21.5	29.1	37.1	47.5	59.5	72.4
-75°	0.0	1.4	3.4	6.0	10.8	17.0	23.7	29.8	36.3	45.3	55.0
-77.5°	0.0	1.2	2.7	4.8	7.8	12.7	18.3	23.4	28.5	33.7	40.0
-80°	0.0	1.0	2.1	3.7	5.7	8.5	12.8	16.9	21.0	25.1	29.3
-82.5°	0.0	0.7	1.6	2.6	4.0	5.7	7.5	10.3	13.4	16.5	19.6
-85°	0.0	0.5	1.1	1.7	2.5	3.4	4.6	5.8	7.0	8.2	9.9
-87.5°	0.0	0.2	0.5	0.9	1.2	1.7	2.1	2.6	3.1	3.6	4.2
-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-120W-7030

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
85°	1.2	1.0	1.0	1.0	1.0	1.2	1.1	0.7	0.7	0.7	0.7
82.5°	4.2	4.8	5.3	5.7	6.0	6.2	6.2	6.2	7.1	8.0	8.8
80°	9.5	10.8	11.7	12.4	13.4	15.7	17.7	19.4	22.2	24.8	27.1
77.5°	15.9	18.6	22.7	26.8	31.4	35.5	40.6	44.8	50.0	56.0	61.6
75°	28.2	34.8	41.3	50.1	57.9	66.0	73.6	80.8	88.3	96.6	103.9
72.5°	45.8	57.4	68.7	79.4	89.7	100.8	113.6	124.9	134.8	147.1	158.8
70°	69.0	82.9	96.6	113.3	132.6	157.3	177.0	187.9	223.5	261.9	292.2
67.5°	92.2	109.5	137.2	175.4	215.1	256.3	307.5	364.2	428.2	474.6	521.9
65°	120.0	156.9	216.8	278.0	355.1	426.0	512.0	600.8	685.5	750.5	812.5
62.5°	165.5	239.3	339.2	435.2	528.4	637.9	743.4	844.5	942.4	1076.2	1173.1
60°	242.1	359.5	482.2	606.3	732.6	854.9	975.6	1149.9	1300.2	1440.1	1566.1
57.5°	352.0	491.6	641.6	795.0	934.8	1093.9	1304.6	1467.8	1649.3	1811.3	1937.0
55°	474.3	637.2	811.7	981.4	1183.7	1401.2	1593.4	1797.2	1967.5	2156.9	2263.7
52.5°	599.3	792.1	979.2	1209.6	1456.5	1668.8	1892.0	2095.0	2267.0	2490.4	2708.6
50°	738.7	943.9	1164.1	1451.5	1697.4	1943.6	2170.9	2353.4	2630.7	2825.8	3019.3
47.5°	874.7	1093.4	1393.0	1656.2	1945.3	2198.7	2416.1	2700.7	2898.2	3153.8	3419.2
45°	1007.0	1283.5	1569.6	1871.0	2165.2	2417.1	2721.5	2942.6	3221.9	3469.7	3653.7
42.5°	1134.5	1448.7	1753.3	2069.0	2355.1	2701.0	2947.5	3227.3	3490.1	3698.5	3864.0
40°	1290.0	1602.3	1930.7	2256.2	2586.4	2881.7	3190.5	3469.8	3711.0	3891.2	4159.0
37.5°	1424.3	1754.5	2097.5	2403.0	2756.7	3079.4	3391.5	3690.5	3885.9	4174.0	4381.3
35°	1547.5	1897.5	2252.2	2602.7	2919.0	3245.8	3584.3	3847.8	4142.5	4378.7	4573.1
32.5°	1671.2	2033.7	2364.2	2737.5	3083.3	3417.9	3722.0	4025.6	4344.8	4548.9	4735.4
30°	1782.7	2163.5	2511.8	2864.8	3203.5	3561.8	3845.0	4204.8	4474.6	4675.6	4871.1
27.5°	1885.8	2267.0	2632.9	2991.5	3342.4	3660.0	4008.6	4311.7	4586.7	4780.0	5003.0
25°	1981.8	2344.9	2736.7	3094.3	3456.0	3767.3	4126.9	4429.8	4670.4	4899.5	5121.2
22.5°	2067.2	2439.9	2821.8	3163.7	3534.6	3885.5	4202.6	4533.2	4755.1	4982.2	5217.9
20°	2141.6	2522.9	2905.5	3272.8	3594.4	3982.6	4287.0	4606.8	4838.3	5065.4	5287.1
17.5°	2202.4	2596.5	2986.2	3355.4	3685.0	4042.3	4385.6	4667.6	4897.3	5126.2	5359.2
15°	2251.9	2661.8	3043.6	3415.6	3761.4	4102.2	4467.0	4721.8	4945.6	5168.5	5439.9
12.5°	2295.8	2707.2	3086.0	3469.2	3824.6	4151.4	4528.7	4775.6	4997.0	5218.8	5469.5
10°	2332.6	2737.3	3121.2	3504.9	3875.1	4202.2	4573.2	4820.2	5042.0	5282.6	5509.4
7.5°	2357.7	2758.0	3149.9	3532.5	3909.8	4239.1	4610.2	4854.6	5076.9	5328.7	5548.9
5°	2373.0	2769.4	3166.5	3551.4	3931.3	4257.6	4631.8	4880.0	5103.4	5358.7	5582.0
2.5°	2379.1	2772.1	3171.3	3561.0	3942.1	4260.4	4643.7	4895.8	5119.9	5373.0	5603.5
0°	2376.7	2766.5	3165.9	3560.7	3940.2	4250.1	4645.7	4901.2	5125.6	5372.3	5612.8
-2.5°	2382.4	2775.1	3172.5	3563.1	3945.3	4262.7	4648.9	4901.1	5127.1	5378.9	5612.5
-5°	2379.4	2774.7	3168.6	3555.4	3938.0	4262.4	4642.4	4890.2	5117.0	5369.8	5600.5
-7.5°	2366.7	2764.4	3152.8	3538.2	3920.6	4246.5	4626.7	4868.8	5095.3	5343.6	5577.6
-10°	2343.4	2743.0	3124.8	3511.9	3888.2	4212.8	4594.4	4837.2	5065.3	5300.0	5549.3
-12.5°	2310.5	2709.6	3093.1	3477.2	3835.8	4165.2	4553.5	4797.5	5024.2	5253.9	5512.7
-15°	2272.1	2663.7	3055.9	3425.2	3767.6	4118.6	4491.8	4751.0	4975.6	5209.9	5464.0
-17.5°	2229.5	2611.5	3004.4	3366.5	3696.0	4063.0	4403.7	4700.8	4920.5	5159.3	5386.9
-20°	2171.4	2556.4	2929.8	3283.3	3611.2	4009.3	4305.1	4638.2	4851.5	5080.1	5322.5



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2096.0	2472.1	2843.7	3171.5	3551.6	3902.4	4221.8	4555.4	4782.1	4996.6	5251.8
-25°	2018.0	2373.9	2739.1	3112.5	3471.7	3782.1	4147.2	4446.0	4700.0	4894.6	5119.7
-27.5°	1941.9	2309.0	2657.1	3018.5	3350.6	3682.5	4027.0	4329.1	4602.5	4804.2	5004.8
-30°	1858.4	2205.8	2552.1	2890.6	3209.4	3587.7	3862.2	4223.2	4490.2	4696.4	4884.8
-32.5°	1764.7	2072.7	2397.2	2748.8	3107.9	3423.2	3749.6	4040.6	4362.2	4561.8	4762.1
-35°	1655.4	1962.6	2289.0	2640.9	2947.6	3249.0	3609.7	3871.8	4159.4	4391.4	4589.0
-37.5°	1541.2	1845.3	2136.5	2437.9	2777.3	3105.1	3389.0	3733.2	3914.1	4197.5	4390.1
-40°	1414.2	1716.8	1994.9	2285.1	2621.0	2908.7	3211.8	3477.4	3751.8	3926.8	4188.6
-42.5°	1284.1	1567.2	1853.0	2112.4	2386.9	2730.8	2986.9	3255.8	3508.0	3741.8	3907.0
-45°	1153.6	1397.0	1700.8	1951.9	2198.2	2459.8	2756.2	3008.9	3266.1	3496.8	3701.0
-47.5°	1021.6	1247.5	1493.0	1784.5	2016.3	2225.5	2479.6	2741.4	2982.6	3227.9	3455.9
-50°	883.9	1098.9	1305.2	1574.2	1824.1	2010.5	2202.2	2443.7	2685.6	2901.1	3133.2
-52.5°	745.4	942.3	1143.2	1328.2	1592.0	1786.5	1960.5	2138.6	2354.9	2578.4	2752.8
-55°	628.3	779.7	967.9	1151.8	1310.5	1528.7	1711.2	1869.1	2031.1	2199.0	2414.1
-57.5°	523.3	633.2	783.4	956.5	1107.5	1256.3	1418.3	1597.3	1733.4	1877.5	2027.4
-60°	405.3	521.5	614.5	749.7	900.5	1028.4	1163.6	1292.2	1435.3	1563.8	1693.5
-62.5°	311.8	395.9	497.9	576.4	677.9	812.6	926.9	1017.6	1153.5	1254.9	1368.3
-65°	235.1	297.6	360.0	448.9	517.9	587.1	690.6	796.0	882.3	951.5	1052.5
-67.5°	158.9	216.8	268.5	313.5	373.1	433.3	496.4	552.9	629.1	713.3	784.1
-70°	113.1	141.9	183.9	221.3	258.9	295.4	335.9	370.5	425.1	475.7	519.1
-72.5°	86.2	103.2	122.6	142.1	168.1	190.1	219.3	247.2	275.2	303.7	331.3
-75°	65.3	76.8	88.0	101.2	113.7	127.4	138.9	148.4	156.7	181.1	198.5
-77.5°	47.5	55.4	63.7	71.9	80.7	89.2	98.4	106.7	114.6	122.6	130.1
-80°	33.5	37.7	43.3	48.8	54.3	60.4	66.2	72.0	77.7	83.0	88.0
-82.5°	22.8	26.0	29.0	31.9	34.7	37.5	40.6	44.3	47.6	50.7	53.6
-85°	12.1	14.2	16.1	18.0	19.9	21.8	23.7	25.5	27.1	28.6	29.9
-87.5°	4.9	5.6	6.2	6.8	7.3	7.9	8.5	9.0	9.5	10.0	10.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622891 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-120W-7030

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	1.0	1.5	1.9	2.0	2.0	1.8	1.5	1.0	0.5	0.5	0.5
82.5°	9.9	10.7	11.2	11.4	11.5	11.6	12.0	12.6	13.0	13.5	13.8
80°	29.6	32.0	34.0	36.1	38.2	40.5	42.2	43.3	44.0	45.0	45.8
77.5°	66.7	71.2	75.3	79.0	82.3	85.2	87.6	89.6	91.1	92.8	94.1
75°	111.1	118.1	124.2	130.2	135.6	139.9	143.5	146.7	148.8	151.7	154.1
72.5°	175.3	188.3	192.3	194.9	201.8	208.0	213.4	217.6	220.8	224.4	227.6
70°	307.6	305.4	309.6	343.4	375.6	385.7	378.8	361.7	367.5	390.7	413.6
67.5°	566.3	605.8	644.4	681.4	716.4	745.3	768.1	784.6	794.5	811.4	832.7
65°	882.9	953.9	1001.5	1038.5	1108.2	1158.7	1195.8	1221.3	1237.5	1260.6	1285.8
62.5°	1257.3	1355.2	1439.3	1518.0	1596.3	1647.5	1683.9	1716.5	1727.1	1734.7	1765.7
60°	1678.7	1786.4	1865.7	1934.8	2010.8	2099.9	2167.9	2208.3	2256.1	2276.9	2293.1
57.5°	2056.9	2148.3	2311.3	2413.4	2472.8	2547.7	2618.4	2700.8	2737.5	2744.6	2774.4
55°	2471.0	2601.1	2697.7	2823.0	2907.0	2942.7	3039.1	3122.6	3181.9	3209.6	3231.3
52.5°	2808.8	2981.1	3107.3	3200.6	3330.0	3441.0	3467.8	3519.8	3581.8	3647.8	3703.7
50°	3247.2	3364.0	3502.7	3596.7	3682.1	3817.4	3946.6	3982.9	4000.4	4009.6	4067.2
47.5°	3554.8	3671.6	3780.3	3977.9	4120.9	4202.5	4257.0	4341.0	4411.8	4468.4	4502.8
45°	3799.8	3976.4	4159.9	4280.8	4382.2	4464.7	4559.2	4654.1	4720.6	4741.4	4758.6
42.5°	4101.2	4276.2	4413.7	4536.7	4663.0	4815.1	4908.7	4936.7	4994.6	5081.5	5137.9
40°	4349.2	4520.5	4685.8	4827.0	4975.4	5040.7	5124.1	5216.4	5296.9	5321.8	5326.2
37.5°	4567.2	4782.6	4926.9	5073.0	5157.7	5263.7	5398.1	5441.3	5517.1	5580.0	5616.0
35°	4771.9	4961.3	5147.0	5234.2	5382.3	5484.0	5598.5	5659.6	5702.0	5773.1	5826.8
32.5°	4935.3	5126.2	5264.1	5438.8	5556.1	5669.6	5726.7	5813.9	5898.2	5946.7	5978.3
30°	5081.2	5253.2	5435.9	5582.6	5707.0	5775.6	5896.9	5994.7	6060.5	6095.4	6147.7
27.5°	5210.3	5394.2	5564.7	5708.4	5811.8	5934.5	6031.7	6101.2	6159.4	6223.6	6260.1
25°	5333.4	5514.7	5678.1	5802.0	5936.6	6038.9	6135.0	6218.0	6293.2	6339.4	6402.1
22.5°	5414.1	5621.0	5765.1	5910.2	6034.3	6149.2	6238.8	6328.3	6401.9	6465.4	6493.9
20°	5517.0	5693.8	5855.7	6002.0	6124.4	6231.7	6346.0	6416.1	6481.9	6549.9	6592.9
17.5°	5573.8	5760.7	5924.8	6081.8	6201.5	6310.1	6401.6	6489.1	6563.1	6623.7	6658.6
15°	5619.6	5817.9	5989.6	6129.0	6257.1	6366.7	6460.4	6546.7	6621.3	6674.0	6728.8
12.5°	5668.7	5856.5	6029.0	6180.6	6297.7	6409.1	6511.2	6592.7	6662.0	6733.7	6780.0
10°	5721.7	5886.3	6053.9	6207.7	6337.6	6453.0	6547.9	6629.5	6701.3	6771.0	6817.1
7.5°	5765.1	5939.9	6090.9	6229.8	6353.6	6485.9	6582.3	6665.4	6741.9	6805.8	6854.0
5°	5798.8	5975.3	6134.5	6266.6	6400.7	6520.7	6609.5	6690.4	6775.6	6831.5	6886.6
2.5°	5826.2	5996.8	6160.3	6297.7	6428.4	6546.9	6637.0	6721.3	6800.9	6858.8	6898.8
0°	5841.9	6008.2	6171.8	6314.7	6440.4	6566.8	6657.9	6742.8	6820.5	6883.4	6942.9
-2.5°	5835.9	6007.5	6169.5	6312.6	6441.3	6558.6	6656.7	6743.6	6819.1	6884.6	6935.0
-5°	5817.9	5995.5	6154.4	6294.2	6428.5	6542.2	6646.2	6735.6	6801.0	6859.8	6914.4
-7.5°	5792.5	5970.4	6124.3	6269.7	6397.4	6518.2	6620.7	6707.4	6771.6	6826.5	6874.8
-10°	5756.9	5929.5	6096.2	6249.1	6390.5	6492.0	6589.2	6677.6	6741.2	6793.2	6838.4
-12.5°	5705.8	5899.5	6071.8	6207.7	6339.6	6447.7	6559.1	6632.2	6705.8	6770.3	6809.1
-15°	5659.7	5861.0	6019.6	6159.4	6301.4	6422.6	6506.8	6592.3	6664.9	6711.5	6762.3
-17.5°	5613.6	5794.4	5961.3	6125.6	6228.8	6342.1	6451.3	6537.4	6598.9	6656.9	6691.7
-20°	5535.5	5729.6	5900.7	6031.7	6173.0	6271.9	6365.1	6463.8	6517.8	6580.1	6625.5



REPORT NUMBER: P622891 (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°	5446.6	5653.5	5807.2	5966.9	6072.3	6198.7	6286.8	6358.6	6436.3	6475.4	6525.7
-25°	5363.6	5536.0	5716.9	5854.9	5991.3	6084.8	6195.2	6274.5	6337.3	6375.9	6422.0
-27.5°	5236.0	5431.1	5602.4	5753.0	5878.0	5986.5	6076.9	6152.2	6238.5	6282.2	6306.9
-30°	5098.6	5292.2	5476.0	5638.3	5749.7	5845.1	5949.7	6040.2	6096.4	6134.7	6181.0
-32.5°	4948.1	5157.1	5308.0	5480.0	5615.7	5701.8	5781.1	5874.2	5941.8	5980.1	6012.8
-35°	4799.7	4983.8	5188.9	5285.2	5418.9	5535.7	5641.3	5697.7	5748.8	5813.9	5858.5
-37.5°	4584.8	4808.6	4962.7	5110.7	5211.7	5316.4	5432.9	5496.4	5564.8	5608.4	5642.7
-40°	4355.9	4526.7	4726.5	4874.1	4993.3	5094.7	5176.0	5266.9	5329.8	5363.2	5384.5
-42.5°	4147.7	4290.5	4430.9	4587.2	4722.0	4867.4	4933.9	4985.7	5046.2	5125.3	5169.0
-45°	3849.7	4045.9	4195.4	4321.0	4430.8	4531.0	4627.2	4715.7	4777.6	4804.6	4828.3
-47.5°	3607.5	3735.0	3902.1	4063.1	4171.4	4269.5	4350.8	4419.2	4475.4	4520.3	4553.4
-50°	3326.7	3466.2	3571.7	3688.5	3857.4	3974.8	4020.2	4060.7	4125.3	4209.5	4247.8
-52.5°	2926.8	3063.8	3253.9	3383.8	3466.3	3518.8	3617.8	3712.4	3776.3	3784.9	3808.4
-55°	2549.5	2676.2	2797.1	2893.3	3017.4	3177.4	3230.5	3258.6	3260.9	3265.6	3337.5
-57.5°	2174.9	2333.7	2420.7	2504.3	2596.3	2680.7	2747.0	2790.1	2844.0	2891.5	2929.0
-60°	1820.5	1942.1	2056.3	2163.8	2246.1	2281.8	2314.4	2390.7	2466.4	2509.5	2527.1
-62.5°	1483.0	1583.7	1680.7	1770.6	1848.6	1918.5	1968.7	2004.2	2025.6	2041.1	2062.7
-65°	1138.3	1222.9	1314.1	1400.6	1458.6	1510.6	1546.8	1570.4	1591.8	1634.1	1667.5
-67.5°	847.8	908.1	963.9	1003.3	1058.6	1113.2	1156.1	1187.9	1208.9	1229.7	1252.4
-70°	570.5	622.9	669.3	712.5	747.5	781.8	813.0	839.4	854.0	865.5	873.9
-72.5°	362.9	391.2	413.9	438.4	459.2	479.7	497.7	511.2	520.5	528.1	533.3
-75°	215.7	234.8	252.5	267.7	277.4	282.0	281.9	277.7	269.8	269.6	270.5
-77.5°	137.7	145.1	152.2	158.1	163.5	168.2	172.3	175.8	179.4	183.4	186.5
-80°	93.0	97.7	102.1	105.9	109.4	112.7	115.5	117.8	119.6	121.4	122.8
-82.5°	56.7	59.6	62.4	64.5	66.4	68.1	69.6	71.1	72.3	73.4	74.3
-85°	31.3	32.5	33.6	34.5	35.3	35.9	36.5	37.0	37.4	37.7	38.0
-87.5°	11.0	11.7	12.3	12.8	13.2	13.6	14.0	14.3	14.5	14.7	14.9
-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: P622891 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-120W-7030

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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
82.5°	14.0	14.1	13.9	13.7	13.9	13.9	13.8	13.6	13.2	12.7	12.2
80°	46.2	46.3	46.2	45.7	46.0	46.1	45.8	45.3	44.4	43.3	42.6
77.5°	95.0	95.3	95.2	94.6	95.1	95.2	94.7	93.8	92.3	90.4	88.5
75°	155.8	156.6	156.5	155.7	156.3	156.1	155.2	153.4	150.8	147.8	145.4
72.5°	230.0	231.3	231.7	231.1	231.7	231.2	229.7	227.1	223.5	219.8	217.2
70°	424.8	426.0	418.8	404.8	418.8	427.1	428.7	423.1	409.4	395.2	388.6
67.5°	847.4	855.1	855.4	848.0	857.3	858.8	852.7	839.2	818.7	804.1	795.8
65°	1297.4	1296.5	1284.1	1261.5	1286.8	1301.5	1304.1	1293.2	1267.5	1239.8	1219.7
62.5°	1800.0	1821.5	1830.3	1826.7	1841.5	1845.8	1841.2	1829.5	1804.0	1778.3	1753.7
60°	2314.1	2334.6	2348.9	2351.3	2361.2	2357.7	2344.7	2326.3	2306.5	2273.2	2223.4
57.5°	2810.0	2827.5	2828.1	2816.3	2832.0	2834.6	2819.1	2784.4	2758.0	2747.2	2708.8
55°	3252.3	3268.4	3277.4	3276.8	3279.4	3272.3	3257.6	3237.5	3215.6	3196.6	3162.0
52.5°	3735.1	3746.9	3751.3	3743.4	3753.9	3752.3	3744.1	3722.3	3685.9	3634.4	3542.8
50°	4118.0	4135.2	4125.3	4095.4	4132.9	4149.7	4138.6	4092.4	4032.1	4010.1	3986.6
47.5°	4534.9	4555.3	4565.0	4564.4	4567.5	4560.5	4543.3	4512.7	4475.7	4420.3	4356.9
45°	4793.6	4814.7	4822.7	4818.3	4823.7	4817.3	4798.5	4767.2	4750.9	4736.4	4667.0
42.5°	5177.6	5190.8	5196.7	5193.2	5195.9	5188.0	5171.7	5138.3	5090.0	5001.0	4943.2
40°	5366.5	5391.3	5400.0	5396.0	5409.7	5408.0	5384.5	5337.6	5326.1	5299.9	5243.1
37.5°	5636.7	5669.8	5682.8	5680.3	5684.1	5672.7	5642.0	5623.9	5592.6	5543.5	5450.7
35°	5853.8	5870.3	5882.2	5886.6	5882.5	5870.6	5853.5	5829.9	5780.1	5708.7	5662.2
32.5°	6005.9	6025.8	6037.4	6036.0	6042.4	6039.6	6022.2	5977.1	5940.4	5898.9	5833.1
30°	6195.9	6197.8	6212.3	6225.2	6217.1	6200.5	6182.9	6147.1	6096.5	6057.6	5990.4
27.5°	6289.6	6314.6	6329.6	6329.1	6331.5	6322.0	6297.0	6266.2	6226.3	6198.1	6102.2
25°	6417.9	6432.4	6442.4	6442.5	6442.8	6433.5	6419.2	6405.3	6346.5	6306.6	6224.5
22.5°	6539.5	6559.9	6564.7	6561.6	6561.1	6548.1	6530.4	6493.8	6465.3	6409.7	6335.1
20°	6629.3	6649.3	6650.5	6652.7	6656.6	6655.9	6633.6	6596.3	6548.5	6481.5	6417.1
17.5°	6704.2	6722.8	6731.0	6731.5	6726.7	6720.1	6703.5	6670.7	6620.2	6558.6	6485.6
15°	6765.5	6776.5	6788.2	6793.5	6788.7	6774.0	6759.3	6730.7	6671.3	6608.9	6548.7
12.5°	6811.9	6832.9	6838.0	6838.4	6839.3	6834.8	6809.9	6773.0	6720.0	6662.1	6593.1
10°	6851.1	6871.2	6886.8	6883.7	6884.5	6876.5	6861.2	6813.0	6767.5	6712.4	6638.1
7.5°	6899.0	6915.0	6925.1	6923.4	6942.7	6920.3	6904.6	6868.4	6809.1	6752.7	6676.1
5°	6921.1	6951.1	6959.4	6957.9	6956.3	6946.6	6935.2	6900.2	6847.7	6781.1	6704.5
2.5°	6934.8	6955.5	6969.8	6969.6	6977.8	6968.9	6956.8	6909.7	6861.1	6792.4	6720.5
0°	6975.7	6990.4	6996.0	6981.9	6998.9	6978.2	6960.2	6930.2	6856.9	6794.9	6726.5
-2.5°	6968.2	6977.5	6986.9	6980.8	6968.0	6950.6	6932.3	6888.0	6842.5	6777.7	6712.2
-5°	6942.1	6959.0	6964.3	6950.7	6953.3	6930.1	6921.9	6870.0	6818.1	6755.2	6689.4
-7.5°	6918.0	6925.4	6930.7	6926.2	6923.7	6902.0	6895.4	6849.8	6788.0	6733.3	6661.4
-10°	6877.7	6898.3	6904.7	6916.1	6902.6	6881.1	6857.3	6824.7	6767.2	6707.3	6636.2
-12.5°	6850.6	6858.3	6865.2	6870.4	6856.4	6840.3	6822.9	6781.9	6733.8	6670.6	6602.8
-15°	6799.6	6808.8	6811.8	6804.6	6803.0	6795.3	6764.6	6723.7	6683.2	6619.0	6544.9
-17.5°	6724.4	6746.9	6752.4	6748.8	6742.8	6727.7	6705.6	6667.8	6618.4	6555.1	6488.7
-20°	6647.9	6666.9	6678.0	6671.3	6665.8	6648.7	6626.0	6593.0	6542.5	6480.9	6424.5



REPORT NUMBER: P622891 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-120W-7030

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6558.3	6567.5	6576.9	6571.6	6571.7	6560.3	6540.6	6501.0	6452.3	6397.8	6319.8
-25°	6438.8	6465.0	6470.2	6458.6	6462.3	6450.7	6421.4	6395.1	6339.5	6287.3	6219.5
-27.5°	6334.3	6353.7	6356.6	6350.3	6349.5	6337.5	6310.8	6273.3	6232.9	6182.3	6105.8
-30°	6212.4	6224.4	6234.3	6236.2	6224.2	6204.0	6181.3	6144.1	6097.9	6049.5	5989.5
-32.5°	6045.4	6061.5	6064.2	6056.4	6055.1	6044.1	6019.9	5979.1	5943.5	5895.6	5820.5
-35°	5878.1	5893.7	5903.5	5905.8	5897.7	5883.5	5866.3	5837.4	5781.5	5708.6	5651.8
-37.5°	5665.1	5687.5	5691.8	5680.5	5681.8	5665.9	5631.1	5603.9	5567.7	5510.6	5430.7
-40°	5415.1	5431.3	5433.1	5422.6	5425.3	5415.2	5389.2	5347.1	5319.5	5280.6	5213.5
-42.5°	5195.8	5204.3	5205.2	5196.0	5196.3	5186.2	5167.6	5125.3	5070.2	4995.7	4942.5
-45°	4850.5	4864.3	4868.4	4861.7	4858.3	4843.5	4818.0	4782.6	4761.6	4730.3	4651.1
-47.5°	4579.2	4595.5	4600.7	4594.5	4593.6	4581.0	4556.7	4524.0	4484.4	4433.3	4369.2
-50°	4266.4	4282.4	4289.4	4280.3	4280.4	4263.2	4234.2	4199.1	4148.4	4070.6	4011.9
-52.5°	3834.0	3846.7	3847.2	3836.6	3836.8	3825.8	3802.4	3765.7	3731.4	3711.2	3628.4
-55°	3371.2	3372.1	3348.2	3307.6	3331.8	3341.3	3329.9	3291.5	3222.7	3213.7	3196.6
-57.5°	2939.9	2941.6	2933.6	2913.5	2920.0	2912.3	2890.7	2857.6	2816.1	2782.3	2746.7
-60°	2544.8	2558.4	2563.4	2555.5	2552.7	2536.3	2510.1	2477.9	2443.3	2394.0	2328.5
-62.5°	2079.0	2088.9	2091.1	2084.4	2083.7	2074.0	2056.5	2032.2	2002.2	1980.8	1953.9
-65°	1682.4	1681.7	1668.1	1644.5	1659.1	1663.7	1655.5	1631.6	1589.2	1539.0	1512.3
-67.5°	1264.9	1267.7	1262.4	1250.5	1253.9	1251.0	1240.9	1222.4	1192.7	1157.9	1129.8
-70°	878.5	878.8	874.0	863.6	864.7	860.8	853.0	842.4	830.2	818.1	799.9
-72.5°	535.0	532.8	526.7	516.4	525.5	530.3	530.8	527.2	519.4	506.4	490.2
-75°	270.1	268.6	266.0	262.5	262.5	261.6	259.8	257.2	253.8	252.1	259.4
-77.5°	188.5	189.5	189.7	189.1	189.0	188.3	186.9	184.8	182.0	178.6	175.3
-80°	123.9	124.6	124.8	124.7	124.8	124.4	123.6	122.4	120.8	118.8	116.6
-82.5°	74.9	75.2	75.4	75.2	75.2	74.9	74.4	73.7	72.7	71.4	70.0
-85°	38.2	38.2	38.2	38.1	38.1	37.9	37.7	37.4	37.0	36.5	36.0
-87.5°	15.0	15.1	15.1	15.1	15.0	14.9	14.7	14.5	14.3	14.0	13.6
-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: P622891 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-120W-7030

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	1.3	1.7	1.8	1.9	1.8	1.4	1.0	0.6	0.7	0.7	0.7
82.5°	11.5	11.1	11.0	10.8	10.7	10.5	10.2	9.8	9.3	8.6	7.8
80°	41.4	39.6	37.4	35.2	32.9	30.7	28.2	25.6	23.3	20.7	17.9
77.5°	86.2	83.5	80.4	76.9	73.2	69.2	64.7	59.6	54.0	47.7	42.3
75°	142.0	138.1	133.4	127.7	121.1	114.4	107.0	99.8	93.3	86.0	78.3
72.5°	212.6	205.7	198.3	191.1	187.1	181.1	167.1	150.6	139.4	127.9	117.7
70°	391.0	386.9	372.7	343.0	304.3	287.4	286.6	274.2	243.6	206.3	171.6
67.5°	775.5	748.4	714.5	672.9	625.5	578.5	532.7	473.5	403.7	376.9	332.5
65°	1191.3	1150.8	1123.0	1092.5	1016.2	932.0	862.2	787.4	708.1	621.4	518.2
62.5°	1715.0	1662.0	1591.9	1499.5	1408.0	1324.4	1250.6	1137.2	1017.9	916.0	795.9
60°	2183.8	2121.1	2029.1	1972.7	1882.9	1765.4	1625.6	1508.6	1394.8	1237.4	1069.3
57.5°	2635.1	2558.1	2463.4	2402.2	2299.9	2136.4	2040.1	1901.4	1739.8	1584.4	1407.9
55°	3078.3	2953.4	2894.2	2807.0	2680.0	2550.6	2430.2	2232.4	2096.8	1914.9	1721.2
52.5°	3461.0	3430.6	3361.3	3235.5	3080.9	2963.7	2781.1	2629.7	2435.3	2221.3	2022.4
50°	3960.4	3846.4	3694.9	3576.2	3491.9	3368.3	3191.1	3000.8	2763.6	2564.5	2323.1
47.5°	4265.5	4200.5	4116.5	3993.0	3780.8	3643.1	3536.0	3359.1	3120.1	2835.3	2634.6
45°	4561.3	4460.2	4366.3	4252.7	4145.8	3980.3	3772.1	3621.5	3409.6	3166.9	2863.3
42.5°	4911.8	4838.0	4658.6	4528.2	4359.6	4232.1	4094.7	3837.1	3660.9	3407.2	3166.3
40°	5123.5	5042.5	4967.0	4826.1	4675.8	4460.1	4279.9	4112.3	3858.8	3669.1	3364.7
37.5°	5392.8	5287.8	5158.3	5052.6	4913.0	4757.1	4522.6	4303.4	4097.0	3846.4	3641.6
35°	5607.9	5476.6	5373.5	5239.3	5117.5	4933.3	4739.3	4521.3	4296.2	4029.1	3804.7
32.5°	5732.6	5654.3	5561.1	5415.7	5256.0	5091.9	4892.6	4692.4	4487.9	4250.3	3920.9
30°	5901.6	5803.8	5680.9	5579.7	5410.5	5229.0	5036.0	4826.1	4618.6	4401.7	4100.5
27.5°	6034.5	5931.9	5834.9	5681.1	5545.5	5373.1	5164.6	4946.1	4741.5	4510.5	4227.2
25°	6148.3	6048.1	5937.4	5805.7	5654.4	5481.3	5305.5	5048.7	4824.2	4611.9	4333.7
22.5°	6250.6	6157.3	6024.9	5908.4	5756.0	5594.9	5395.1	5171.7	4932.7	4708.0	4438.2
20°	6345.0	6229.5	6116.3	5981.8	5837.3	5675.8	5473.8	5255.1	5001.1	4774.8	4533.0
17.5°	6397.9	6304.2	6180.8	6046.7	5914.7	5729.3	5552.5	5317.4	5077.8	4845.6	4607.1
15°	6458.6	6350.9	6240.1	6124.2	5955.5	5798.6	5601.4	5387.5	5128.2	4894.8	4660.9
12.5°	6513.3	6408.3	6291.5	6152.1	6014.2	5847.6	5635.8	5439.3	5168.5	4939.4	4713.9
10°	6557.5	6451.8	6334.3	6208.9	6061.5	5867.2	5679.7	5483.4	5218.0	4987.3	4756.1
7.5°	6588.9	6494.6	6374.4	6239.8	6092.2	5908.0	5726.3	5519.6	5262.9	5024.3	4788.3
5°	6614.0	6523.8	6393.7	6267.4	6113.7	5939.3	5762.2	5545.5	5288.6	5047.8	4809.9
2.5°	6631.2	6536.1	6408.2	6283.4	6129.8	5956.7	5783.3	5560.8	5296.6	5059.9	4820.5
0°	6639.1	6541.0	6414.3	6287.9	6137.9	5958.9	5788.2	5565.1	5289.6	5061.2	4820.3
-2.5°	6622.8	6523.9	6401.1	6278.4	6125.7	5957.1	5782.5	5564.3	5301.8	5063.2	4824.0
-5°	6594.3	6498.0	6378.3	6259.3	6102.5	5941.0	5763.8	5551.9	5300.1	5054.3	4817.1
-7.5°	6575.0	6470.6	6351.0	6224.0	6068.3	5910.6	5736.4	5529.1	5283.4	5033.9	4800.0
-10°	6547.8	6444.7	6323.3	6193.0	6046.4	5867.8	5700.5	5500.3	5250.3	5004.2	4773.2
-12.5°	6512.9	6409.7	6289.2	6153.0	6019.7	5841.6	5651.8	5462.4	5196.3	4967.0	4733.3
-15°	6463.0	6360.2	6242.0	6111.9	5961.4	5804.0	5607.4	5408.9	5144.0	4920.4	4678.9
-17.5°	6408.7	6297.8	6185.4	6062.8	5901.2	5741.0	5559.7	5339.1	5095.1	4868.6	4623.3
-20°	6330.9	6220.9	6114.9	5979.5	5843.8	5667.6	5486.0	5260.1	5042.7	4802.3	4556.1



REPORT NUMBER: P622891 (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°
-22.5°	6232.8	6143.3	6027.7	5908.0	5750.3	5595.4	5397.2	5183.5	4954.5	4722.4	4467.9
-25°	6139.1	6046.4	5945.3	5808.6	5660.7	5487.6	5299.3	5100.8	4856.3	4628.8	4351.8
-27.5°	6030.3	5946.4	5836.2	5699.3	5549.6	5373.8	5185.8	4968.9	4753.9	4529.3	4253.0
-30°	5899.9	5802.4	5702.7	5580.8	5418.4	5235.1	5055.4	4840.2	4633.2	4413.6	4142.1
-32.5°	5738.2	5659.5	5548.6	5425.5	5256.0	5103.7	4897.4	4699.9	4503.7	4286.6	3947.8
-35°	5578.4	5465.4	5367.3	5228.0	5124.4	4924.6	4739.6	4544.6	4323.5	4060.0	3797.5
-37.5°	5367.6	5260.6	5146.1	5052.3	4900.8	4748.4	4554.9	4332.0	4107.6	3838.9	3637.6
-40°	5113.8	5042.1	4949.2	4806.0	4670.5	4523.4	4304.5	4100.1	3848.8	3667.1	3393.2
-42.5°	4897.5	4789.8	4642.2	4542.0	4407.0	4235.3	4049.9	3827.2	3661.8	3428.8	3184.9
-45°	4555.7	4471.9	4384.6	4263.3	4131.5	3955.7	3771.0	3625.6	3428.6	3197.7	2883.3
-47.5°	4288.9	4208.3	4118.9	3991.6	3811.2	3655.8	3542.4	3390.4	3162.4	2857.8	2656.7
-50°	3972.4	3900.7	3757.0	3599.4	3505.4	3391.0	3247.8	3048.7	2793.4	2610.9	2335.3
-52.5°	3524.6	3453.3	3387.4	3279.9	3147.6	3010.5	2823.2	2677.6	2505.0	2258.3	2081.4
-55°	3134.4	3038.9	2941.2	2859.3	2741.2	2591.5	2491.5	2303.4	2132.0	1966.9	1804.6
-57.5°	2717.1	2649.6	2513.3	2428.6	2358.0	2247.7	2106.1	1958.8	1807.2	1694.5	1544.7
-60°	2265.1	2230.2	2191.9	2099.5	1987.0	1867.9	1743.4	1653.1	1530.7	1390.4	1257.9
-62.5°	1911.4	1852.5	1772.7	1684.1	1617.9	1550.8	1422.2	1320.5	1212.7	1095.5	1014.2
-65°	1491.3	1465.7	1395.1	1302.9	1253.5	1188.9	1097.3	1016.6	949.8	842.8	755.9
-67.5°	1101.0	1070.3	1029.2	975.8	912.4	857.3	799.3	736.7	674.1	620.5	560.5
-70°	770.1	737.0	701.5	668.7	635.8	595.4	552.1	509.5	461.0	423.5	388.6
-72.5°	470.2	446.7	424.9	403.9	380.2	366.4	352.4	334.2	312.7	287.1	256.0
-75°	263.6	264.2	260.9	253.3	242.7	231.9	217.8	202.4	184.3	158.4	148.6
-77.5°	171.6	167.3	162.2	156.5	150.4	143.6	136.1	128.2	120.3	112.0	103.5
-80°	114.1	111.1	107.6	104.0	100.1	95.5	90.5	85.3	80.1	74.5	68.6
-82.5°	68.4	66.7	64.8	62.7	60.3	57.4	54.3	51.1	48.0	44.8	41.4
-85°	35.3	34.6	33.8	32.9	31.9	30.7	29.4	28.0	26.5	24.9	23.4
-87.5°	13.2	12.8	12.3	11.7	11.2	10.5	9.8	9.1	8.6	8.1	7.6
-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: P622891 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-120W-7030

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
85°	1.0	1.1	1.0	0.9	0.9	0.9	1.1	1.0	1.0	0.9	0.9
82.5°	7.2	6.5	5.9	5.4	4.9	4.4	3.8	3.1	2.8	2.6	2.0
80°	16.9	15.6	13.6	12.1	10.9	9.8	8.5	7.3	6.2	5.2	4.3
77.5°	38.2	33.1	29.1	24.7	20.9	16.9	14.3	12.2	9.9	8.4	7.0
75°	70.7	62.8	54.6	47.0	38.4	32.1	25.8	20.4	16.0	11.9	9.6
72.5°	106.9	96.2	85.7	75.2	64.7	53.6	42.0	33.6	25.8	18.8	13.4
70°	161.6	143.5	120.9	105.7	91.4	78.1	64.4	50.6	38.8	28.7	20.0
67.5°	273.1	227.0	191.2	156.3	123.5	103.2	86.9	70.8	54.8	40.6	28.9
65°	441.5	381.1	306.6	242.9	190.0	139.8	111.6	91.3	72.7	54.5	38.9
62.5°	673.3	549.3	462.8	377.0	291.3	208.6	147.2	114.0	90.9	70.2	50.0
60°	931.8	791.2	649.1	523.0	420.4	309.0	210.5	143.6	110.5	85.6	63.4
57.5°	1201.7	1030.0	871.0	711.9	557.1	431.2	304.2	192.5	132.8	102.5	76.5
55°	1537.7	1296.7	1091.6	913.1	732.9	562.1	414.7	274.2	167.3	120.6	89.4
52.5°	1819.1	1621.9	1341.1	1111.9	913.2	717.3	536.0	370.5	226.1	139.7	104.5
50°	2082.4	1869.3	1654.1	1332.6	1086.9	878.9	667.4	476.6	303.7	169.2	120.5
47.5°	2383.5	2098.9	1871.8	1596.1	1276.6	1029.2	810.4	589.9	388.8	217.8	138.8
45°	2658.7	2391.8	2063.2	1799.3	1487.2	1186.8	947.8	709.7	481.6	284.4	162.3
42.5°	2855.6	2635.8	2295.1	1977.3	1687.4	1355.9	1069.3	829.8	579.7	358.1	190.6
40°	3129.2	2799.6	2513.8	2140.8	1845.9	1528.3	1204.9	944.9	681.4	431.0	235.0
37.5°	3289.8	2999.4	2688.7	2352.1	1997.8	1678.6	1343.4	1044.3	776.8	504.9	286.8
35°	3496.4	3168.6	2812.4	2505.3	2132.9	1807.3	1476.1	1144.2	866.3	579.8	339.7
32.5°	3670.7	3287.5	3003.6	2659.3	2298.0	1941.0	1593.7	1249.3	949.8	654.4	392.1
30°	3771.0	3483.9	3123.7	2758.7	2410.7	2043.9	1693.2	1349.4	1023.2	723.7	442.3
27.5°	3887.0	3597.9	3216.1	2893.7	2529.3	2151.3	1791.1	1440.5	1090.7	787.5	492.2
25°	4032.2	3674.3	3343.9	3008.1	2643.1	2263.8	1888.7	1520.3	1161.0	845.9	538.1
22.5°	4123.1	3764.2	3460.6	3083.3	2713.3	2341.7	1968.4	1592.4	1228.4	898.7	582.3
20°	4188.5	3869.2	3518.8	3151.8	2798.9	2412.1	2035.2	1657.7	1288.4	945.8	624.8
17.5°	4249.0	3959.3	3583.0	3224.0	2881.0	2491.2	2098.6	1716.6	1339.9	987.3	662.6
15°	4348.5	4024.1	3637.7	3305.1	2942.3	2554.9	2157.7	1768.1	1383.5	1024.3	695.5
12.5°	4421.0	4073.5	3702.1	3363.9	2995.0	2599.3	2205.5	1809.8	1419.1	1056.4	723.6
10°	4478.2	4114.9	3747.2	3405.9	3041.6	2633.7	2241.5	1842.1	1448.6	1083.5	746.9
7.5°	4523.0	4145.4	3780.3	3441.7	3067.9	2660.8	2266.2	1865.4	1471.6	1105.3	765.5
5°	4544.7	4165.4	3805.7	3468.8	3082.9	2679.7	2282.7	1880.1	1487.4	1121.7	779.3
2.5°	4556.1	4174.7	3816.8	3484.9	3089.5	2689.5	2290.8	1886.6	1496.1	1132.5	788.5
0°	4555.3	4173.4	3812.1	3487.3	3087.8	2689.1	2290.1	1885.6	1497.8	1137.6	793.1
-2.5°	4558.6	4179.3	3821.7	3488.1	3094.2	2693.7	2295.8	1892.9	1503.3	1141.0	796.2
-5°	4549.6	4174.1	3816.7	3475.3	3091.6	2687.9	2292.3	1893.0	1501.7	1138.5	794.7
-7.5°	4530.2	4157.0	3799.4	3451.7	3079.7	2672.6	2279.5	1885.6	1492.6	1130.3	788.6
-10°	4492.5	4127.8	3773.1	3419.9	3055.6	2648.6	2257.4	1870.7	1476.0	1116.4	777.9
-12.5°	4447.9	4087.1	3729.6	3382.6	3014.1	2616.5	2228.6	1848.1	1452.9	1096.9	762.6
-15°	4384.8	4040.5	3663.6	3333.2	2967.5	2576.8	2192.5	1817.8	1425.8	1071.8	742.9
-17.5°	4282.9	3984.6	3609.4	3265.4	2912.3	2526.5	2148.5	1775.9	1391.8	1041.4	718.8
-20°	4212.4	3917.9	3545.7	3194.0	2834.8	2465.1	2093.8	1725.3	1350.9	1008.5	690.3

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REPORT NUMBER: P622891 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-120W-7030

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4147.0	3802.1	3488.7	3116.1	2751.3	2390.6	2030.3	1668.0	1303.0	970.7	657.4
-25°	4067.8	3694.2	3382.8	3044.1	2678.3	2307.0	1961.6	1598.6	1249.3	927.8	624.0
-27.5°	3929.1	3611.3	3259.5	2928.9	2578.0	2226.0	1886.2	1519.8	1190.4	879.4	589.8
-30°	3778.7	3502.9	3152.1	2791.2	2462.2	2130.4	1801.8	1444.2	1127.1	825.8	552.4
-32.5°	3672.1	3327.3	3021.8	2677.2	2325.6	2023.6	1704.8	1362.2	1059.8	768.1	509.9
-35°	3511.9	3191.0	2838.0	2543.3	2213.7	1908.7	1583.9	1278.1	989.3	706.9	462.7
-37.5°	3319.4	3006.9	2692.9	2356.2	2082.2	1786.0	1465.8	1183.3	912.9	647.4	415.5
-40°	3127.0	2804.5	2524.6	2222.7	1940.5	1646.2	1347.5	1081.5	830.6	591.2	370.4
-42.5°	2869.7	2633.0	2310.0	2062.6	1791.0	1496.3	1228.0	980.4	742.4	526.6	327.2
-45°	2664.4	2362.5	2150.1	1892.9	1622.6	1349.2	1095.1	873.4	657.1	455.5	289.3
-47.5°	2378.7	2179.6	1959.3	1712.7	1445.2	1201.2	976.3	765.9	574.8	395.1	249.9
-50°	2151.5	1952.1	1756.4	1511.6	1275.9	1043.3	851.0	661.0	486.7	335.1	208.8
-52.5°	1898.2	1730.0	1523.9	1313.4	1083.4	908.5	729.6	556.3	403.7	282.3	166.5
-55°	1661.2	1473.6	1293.9	1097.1	934.3	768.8	604.5	461.6	330.0	228.5	124.8
-57.5°	1384.2	1226.6	1060.8	925.3	778.8	630.0	493.7	363.3	269.5	174.3	105.8
-60°	1125.7	995.0	869.6	754.3	625.7	500.1	384.9	292.1	208.3	126.1	89.8
-62.5°	889.0	784.4	693.9	579.2	486.6	382.1	297.8	225.1	147.3	101.6	76.5
-65°	681.9	604.2	503.7	447.4	352.4	288.3	225.7	158.2	111.2	84.6	64.2
-67.5°	482.0	436.0	375.1	310.3	264.1	211.8	153.7	113.6	88.4	69.4	52.8
-70°	346.2	299.3	259.0	219.6	182.4	139.5	107.7	87.4	70.5	55.5	42.6
-72.5°	223.1	190.6	167.3	141.0	118.8	98.0	81.4	67.6	54.8	43.4	34.9
-75°	137.6	125.0	109.5	96.6	83.6	72.3	60.9	50.7	41.6	34.1	27.4
-77.5°	94.8	85.4	76.8	67.9	59.6	51.4	43.7	36.8	31.0	25.6	19.9
-80°	62.8	56.8	50.8	45.2	39.6	34.1	30.3	26.2	21.9	17.3	12.5
-82.5°	37.6	34.5	31.7	28.8	26.0	23.1	19.8	16.4	13.1	10.4	8.0
-85°	21.5	19.7	17.8	15.9	14.0	12.1	10.0	8.0	6.6	5.6	4.6
-87.5°	7.1	6.5	6.0	5.5	5.0	4.5	3.9	3.3	2.8	2.4	2.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P622891 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-120W-7030

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	0.3	0.3	0.2	0.2	0.1	0.0
85°	0.8	0.7	0.6	0.5	0.4	0.2	0.0
82.5°	1.4	1.4	1.2	0.7	0.5	0.3	0.0
80°	3.5	2.5	2.0	1.4	0.7	0.4	0.0
77.5°	5.7	4.4	3.1	2.2	1.1	0.5	0.0
75°	7.9	6.3	4.6	2.9	1.6	0.6	0.0
72.5°	10.2	8.1	6.1	4.0	2.2	0.7	0.0
70°	13.2	10.2	7.6	5.1	2.8	0.8	0.0
67.5°	19.2	12.6	9.0	6.2	3.4	0.9	0.0
65°	26.2	16.4	10.9	7.3	4.0	1.1	0.0
62.5°	34.1	21.5	13.1	8.4	4.7	1.4	0.0
60°	43.2	27.2	15.3	9.4	5.5	1.7	0.0
57.5°	52.7	33.6	19.2	10.5	6.1	2.0	0.0
55°	63.6	40.3	23.2	12.3	6.8	2.3	0.0
52.5°	74.2	48.0	27.2	14.1	7.5	2.6	0.0
50°	84.7	55.5	32.0	15.8	8.1	2.9	0.0
47.5°	95.2	63.8	36.6	17.8	8.8	3.2	0.0
45°	108.7	71.7	41.3	20.5	9.4	3.5	0.0
42.5°	122.1	79.4	46.8	23.1	9.9	3.7	0.0
40°	139.1	86.8	52.1	25.6	10.5	4.0	0.0
37.5°	156.2	93.8	57.2	27.9	11.0	4.2	0.0
35°	177.4	102.9	62.4	30.6	11.9	4.5	0.0
32.5°	200.7	113.0	67.3	33.3	12.9	4.7	0.0
30°	223.6	122.7	72.0	35.8	13.8	4.9	0.0
27.5°	257.0	132.9	76.3	38.1	14.7	5.1	0.0
25°	290.0	145.2	80.4	40.3	15.5	5.3	0.0
22.5°	320.5	156.9	84.1	42.3	16.3	5.5	0.0
20°	349.2	168.2	87.5	44.4	17.0	5.7	0.0
17.5°	376.7	178.7	90.6	46.5	17.6	5.8	0.0
15°	401.1	189.7	93.3	48.5	18.2	6.0	0.0
12.5°	422.3	200.8	95.6	50.2	18.7	6.1	0.0
10°	440.3	210.7	97.6	51.6	19.2	6.2	0.0
7.5°	455.2	219.1	99.2	52.8	19.6	6.3	0.0
5°	466.9	226.1	100.5	53.7	19.9	6.3	0.0
2.5°	475.4	231.4	101.4	54.4	20.1	6.4	0.0
0°	480.7	235.0	101.9	54.7	20.3	6.4	0.0
-2.5°	483.7	237.2	102.5	54.9	20.4	6.4	0.0
-5°	483.4	237.7	102.7	54.8	20.5	6.4	0.0
-7.5°	479.9	236.3	102.4	54.4	20.5	6.4	0.0
-10°	473.1	233.1	101.8	53.7	20.4	6.3	0.0
-12.5°	462.8	228.1	100.7	52.8	20.2	6.3	0.0
-15°	449.2	221.2	99.1	51.6	19.9	6.2	0.0
-17.5°	432.1	213.6	97.1	50.2	19.5	6.1	0.0
-20°	411.5	205.2	94.6	48.5	19.1	6.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	389.9	195.0	91.5	46.8	18.6	5.9	0.0
-25°	366.4	183.1	88.0	45.2	18.0	5.7	0.0
-27.5°	340.4	169.4	84.4	43.4	17.3	5.5	0.0
-30°	312.8	156.3	80.7	41.4	16.5	5.4	0.0
-32.5°	289.8	142.3	76.7	39.2	15.6	5.2	0.0
-35°	264.9	126.4	72.3	36.9	14.7	4.9	0.0
-37.5°	238.9	112.3	67.7	34.5	13.8	4.7	0.0
-40°	212.4	104.2	62.9	32.4	13.2	4.5	0.0
-42.5°	183.8	95.4	57.8	30.2	12.6	4.2	0.0
-45°	156.0	87.2	52.5	27.9	11.9	3.9	0.0
-47.5°	125.9	79.8	48.0	25.5	11.1	3.7	0.0
-50°	109.9	72.1	43.4	23.3	10.3	3.4	0.0
-52.5°	95.8	64.5	38.7	21.1	9.4	3.1	0.0
-55°	85.1	56.7	34.8	18.8	8.6	2.8	0.0
-57.5°	74.6	49.7	31.1	16.5	7.9	2.5	0.0
-60°	64.6	43.1	27.3	14.7	7.1	2.1	0.0
-62.5°	54.8	37.3	23.8	12.8	6.4	1.8	0.0
-65°	46.3	32.3	20.2	10.9	5.5	1.4	0.0
-67.5°	39.0	27.4	16.8	9.2	4.8	1.2	0.0
-70°	32.8	22.4	13.7	7.9	4.0	1.1	0.0
-72.5°	26.6	17.7	10.5	6.5	3.3	0.9	0.0
-75°	20.2	13.0	8.4	5.1	2.5	0.8	0.0
-77.5°	13.9	9.5	6.4	4.0	1.8	0.7	0.0
-80°	9.4	6.7	4.7	2.8	1.3	0.5	0.0
-82.5°	6.0	4.5	3.1	1.7	1.0	0.4	0.0
-85°	3.6	2.5	1.7	1.1	0.7	0.3	0.0
-87.5°	1.6	1.2	0.9	0.6	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)