

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: P622893 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF120-XX-PC-120W-7050**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622893 (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-7050
Description: Flood light with selectable wattage and CCT
Light Source: (1) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

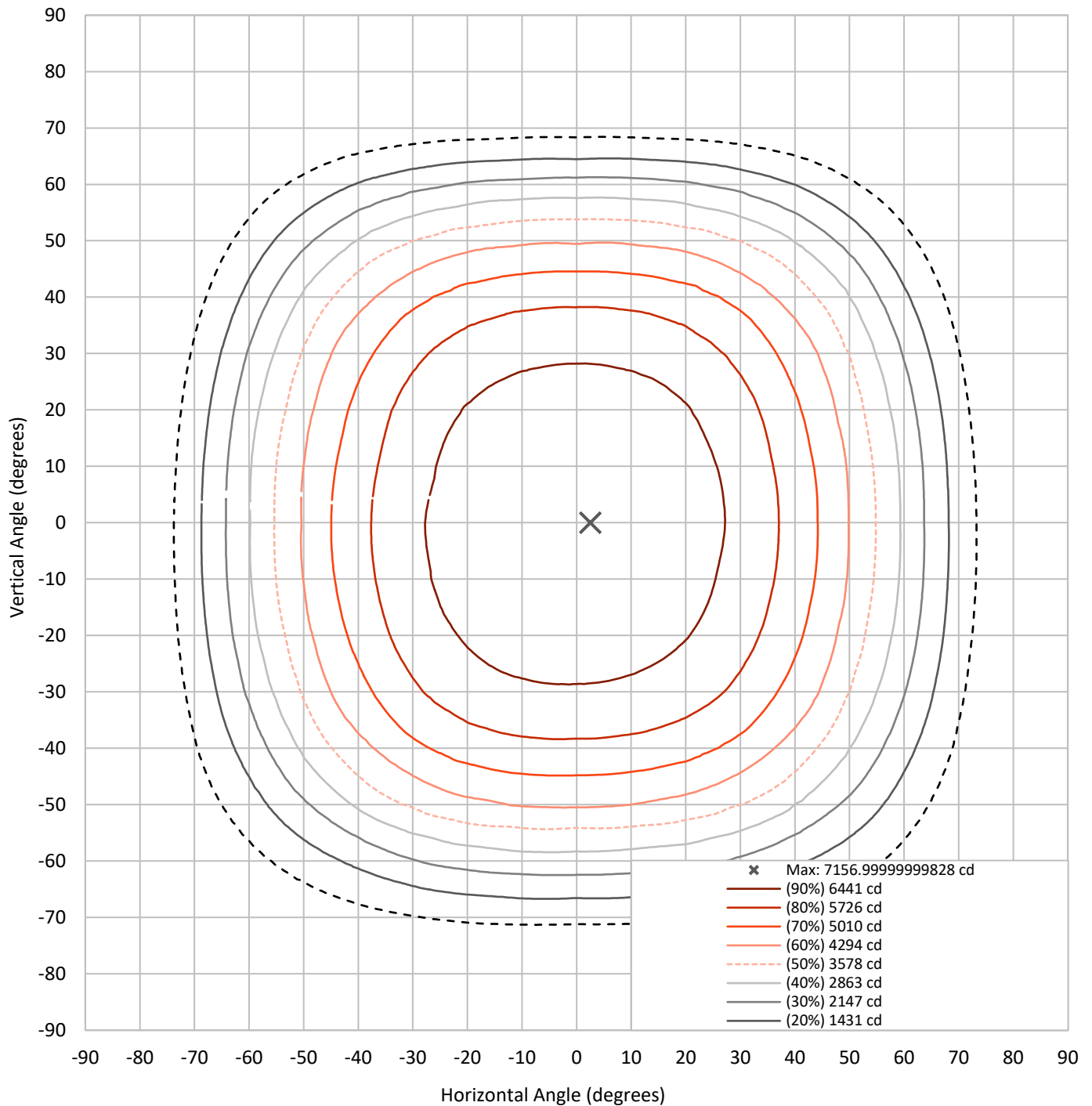
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	19008.2 lumens	Max Intensity:	7157 candela
Efficiency:	N/A	Max Intensity Angle:	2.5°H x 0°V
Efficacy:	152.1 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:	15373.2 lumens	Field Lumens:	18692.4 lumens
Beam Efficiency:	80.9%	Field Efficiency:	98.3%
Input Watts (W):	125		
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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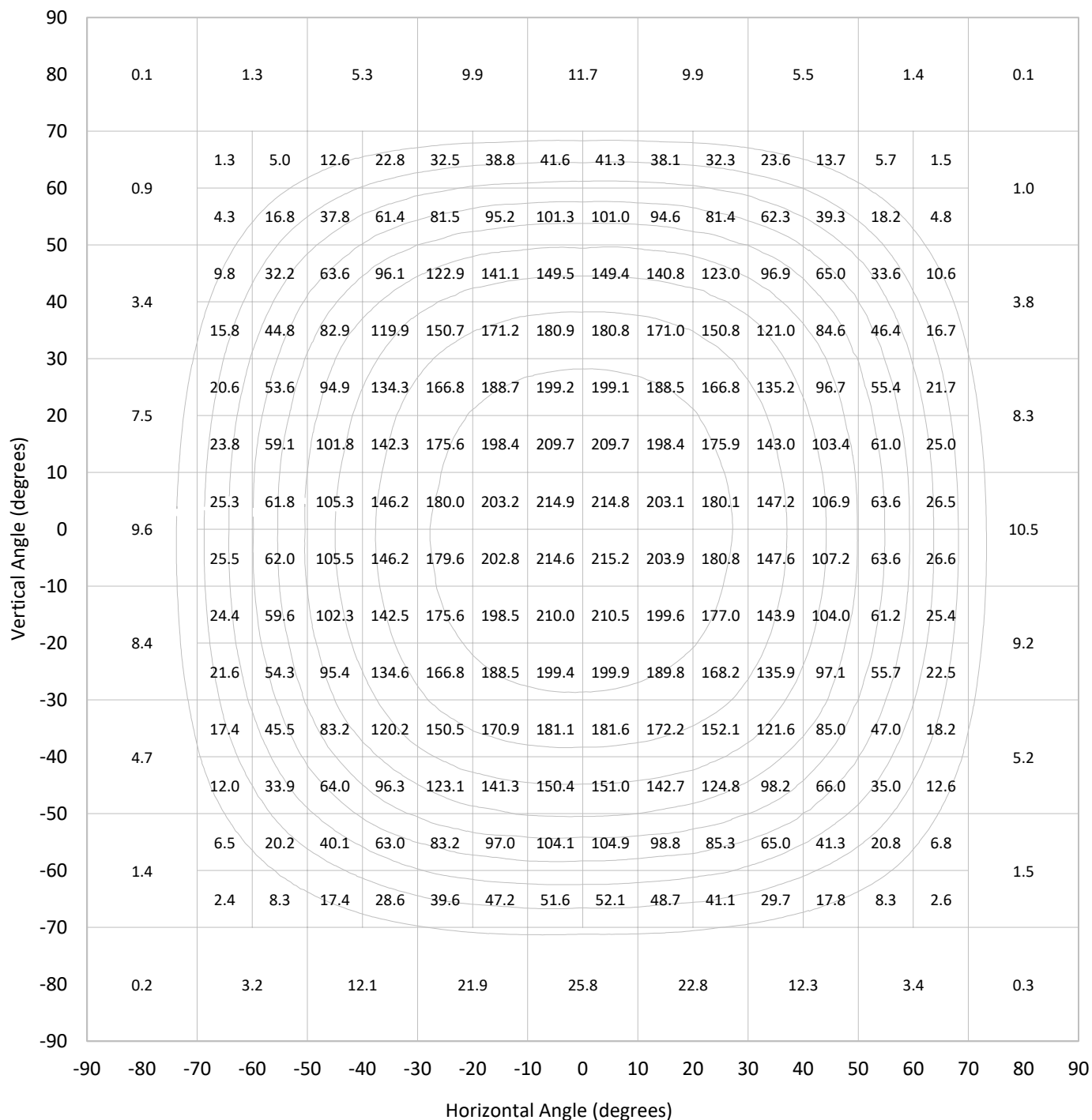
Iso-Candela Plot





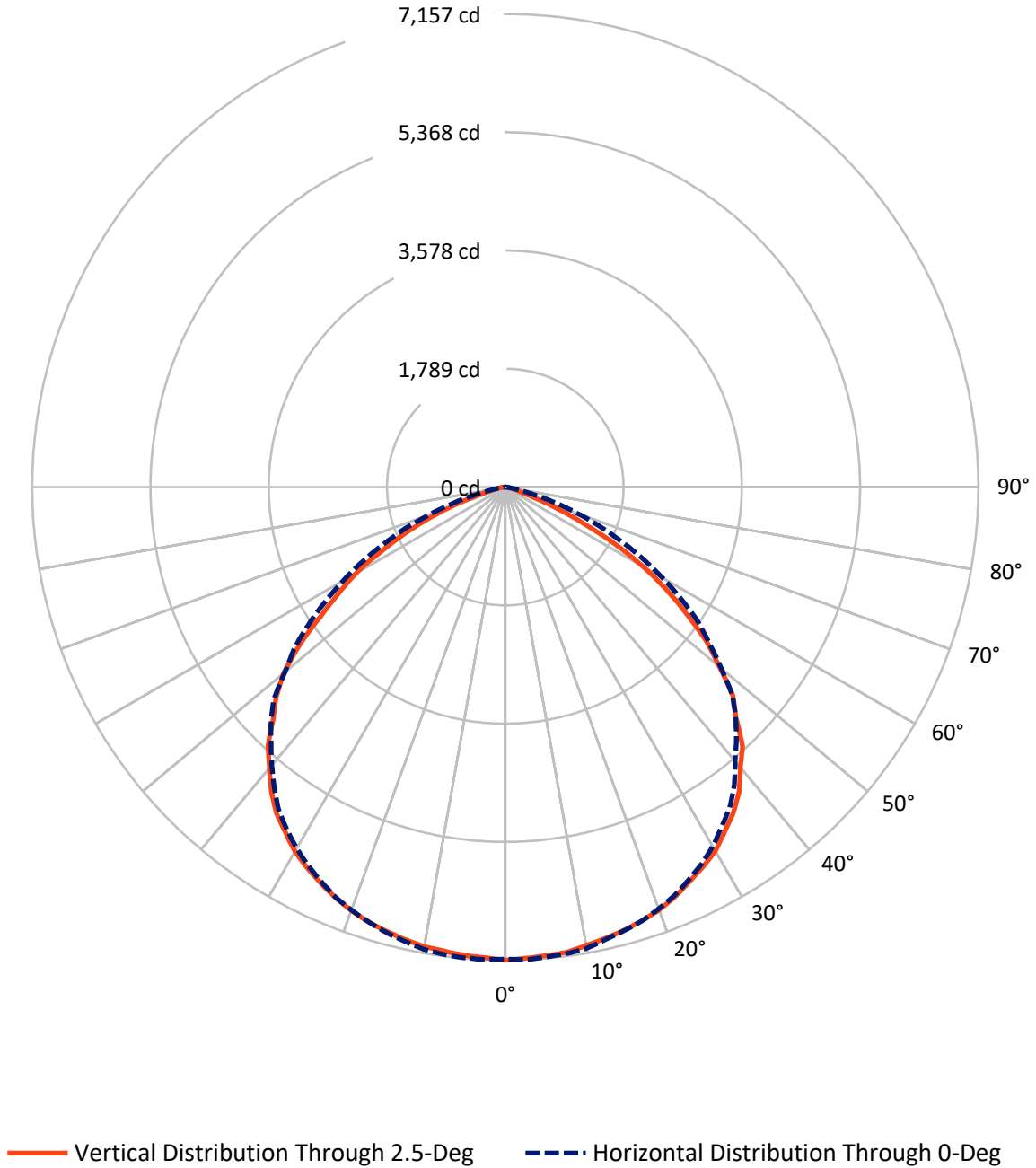
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Lumen Table



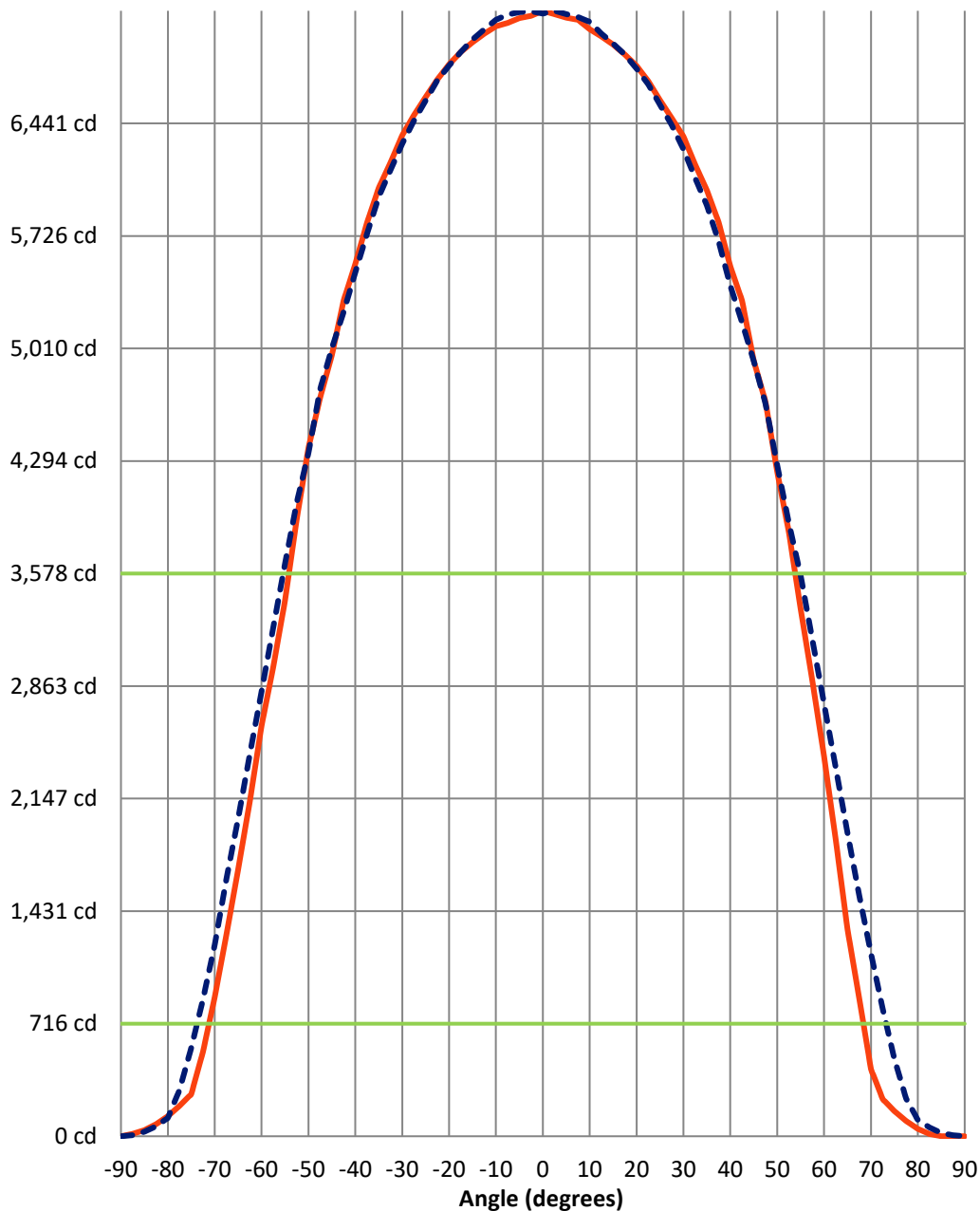
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 110.3°
 V Angle: 108°
 Lumens: 15373.2
 Efficiency: 80.9%

Field:
 H Angle: 147°
 V Angle: 139.6°
 Lumens: 18692.4
 Efficiency: 98.3%

Spill:
 Lumens: 315.7
 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	0.9	1.0	1.0	0.9	1.0	1.1	1.1	1.2
82.5°	0.0	0.6	1.0	1.3	1.6	1.7	1.7	2.4	3.0	3.2	3.6
80°	0.0	0.8	1.4	1.9	2.3	2.9	4.1	5.0	6.1	7.2	8.4
77.5°	0.0	1.0	1.8	2.6	3.4	5.1	6.7	8.2	9.8	11.5	13.9
75°	0.0	1.2	2.3	3.2	5.2	7.5	9.4	11.3	13.8	18.2	23.0
72.5°	0.0	1.4	2.7	4.4	6.9	10.3	12.2	15.5	21.4	29.0	37.6
70°	0.0	1.6	3.2	5.7	9.5	13.1	15.6	22.8	32.2	43.7	56.5
67.5°	0.0	1.8	3.6	7.0	12.1	16.0	22.3	32.5	46.1	61.4	77.6
65°	0.0	2.0	4.3	8.7	14.8	20.2	29.9	44.0	61.7	79.9	99.2
62.5°	0.0	2.3	5.2	10.9	17.4	25.6	38.5	57.7	77.7	98.8	125.2
60°	0.0	2.5	6.0	13.1	20.1	31.7	49.3	71.3	93.5	120.2	164.0
57.5°	0.0	2.7	6.8	15.3	24.1	38.7	60.6	84.6	111.6	148.9	226.9
55°	0.0	3.0	7.6	17.4	28.2	46.1	71.7	97.8	132.6	195.4	323.2
52.5°	0.0	3.2	8.5	19.6	32.4	54.9	82.6	114.5	156.6	267.1	437.6
50°	0.0	3.4	10.0	21.7	37.6	63.5	93.8	133.6	198.2	357.6	545.7
47.5°	0.0	3.6	11.4	24.0	42.7	72.0	105.5	157.8	258.0	455.8	666.1
45°	0.0	3.9	12.8	26.6	47.9	80.2	121.8	189.7	335.8	549.3	789.0
42.5°	0.0	4.1	14.2	29.2	53.9	88.4	138.4	228.1	419.7	649.2	907.9
40°	0.0	4.3	15.5	31.6	59.7	96.8	161.7	281.4	500.0	751.9	1022.5
37.5°	0.0	4.4	16.8	34.0	65.2	105.0	185.5	341.4	577.3	849.5	1130.9
35°	0.0	4.7	18.1	36.9	70.5	116.4	213.6	401.5	653.8	941.5	1241.2
32.5°	0.0	5.0	19.3	39.8	75.7	129.5	243.5	460.2	726.4	1027.0	1353.5
30°	0.0	5.2	20.4	42.7	80.6	142.3	272.5	515.9	795.6	1105.9	1453.3
27.5°	0.0	5.5	21.5	45.3	85.2	156.2	311.3	570.5	862.5	1178.7	1545.7
25°	0.0	5.7	22.5	47.8	89.6	173.7	349.2	621.5	923.9	1253.7	1636.9
22.5°	0.0	5.9	23.5	50.1	94.1	190.6	384.2	667.3	978.2	1325.5	1719.4
20°	0.0	6.1	24.4	52.3	98.3	206.9	416.8	706.1	1026.7	1389.4	1788.3
17.5°	0.0	6.3	25.2	54.6	102.1	222.3	447.2	739.8	1069.5	1445.8	1848.0
15°	0.0	6.4	26.0	56.6	105.5	237.2	474.2	768.5	1107.5	1495.3	1899.1
12.5°	0.0	6.6	26.7	58.3	108.5	251.2	497.7	794.9	1139.9	1537.8	1941.8
10°	0.0	6.7	27.3	59.8	111.0	263.6	517.6	820.0	1166.7	1573.2	1975.1
7.5°	0.0	6.8	27.8	61.0	113.2	274.3	534.1	840.2	1187.8	1600.9	1999.3
5°	0.0	6.9	28.3	62.0	114.9	283.2	547.0	855.3	1203.2	1620.6	2014.7
2.5°	0.0	6.9	28.6	62.7	116.1	290.2	556.6	865.4	1213.0	1632.5	2021.6
0°	0.0	6.9	28.9	63.1	116.9	295.2	562.7	870.5	1217.1	1636.7	2020.5
-2.5°	0.0	7.0	28.9	63.3	117.5	296.5	565.0	873.0	1222.0	1639.5	2024.5
-5°	0.0	7.0	28.9	63.1	117.6	295.8	563.9	870.4	1221.1	1634.7	2020.8
-7.5°	0.0	7.0	28.7	62.7	117.2	293.0	559.4	862.8	1214.4	1622.3	2009.4
-10°	0.0	6.9	28.5	62.1	116.2	288.2	551.5	850.3	1201.5	1602.3	1990.4
-12.5°	0.0	6.9	28.2	61.1	114.7	281.3	540.2	832.8	1182.6	1575.3	1963.8
-15°	0.0	6.8	27.7	60.0	112.5	272.4	525.4	815.0	1157.4	1542.6	1929.6
-17.5°	0.0	6.7	27.2	58.5	109.7	261.6	507.2	796.0	1126.0	1504.1	1887.9
-20°	0.0	6.6	26.6	56.8	106.2	248.9	485.6	772.9	1091.2	1460.1	1838.8

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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	6.4	25.9	55.1	102.1	234.2	460.6	745.7	1051.2	1408.3	1782.1
-25°	0.0	6.3	25.2	53.2	97.3	217.6	431.9	711.1	1005.6	1349.3	1711.3
-27.5°	0.0	6.1	24.3	51.2	93.2	199.1	399.7	671.0	953.0	1284.6	1633.2
-30°	0.0	5.8	23.4	49.0	89.3	182.3	365.7	627.8	895.2	1215.1	1559.7
-32.5°	0.0	5.6	22.3	46.5	85.0	164.9	338.8	583.1	839.1	1140.8	1480.3
-35°	0.0	5.3	21.2	43.9	80.4	145.5	309.9	535.1	785.0	1065.2	1385.9
-37.5°	0.0	5.1	20.1	41.3	75.6	128.1	278.9	482.8	725.7	983.7	1275.6
-40°	0.0	4.9	18.8	39.1	70.8	117.3	246.1	425.5	663.3	897.0	1162.7
-42.5°	0.0	4.7	17.5	36.8	65.7	105.5	211.3	372.1	597.0	811.5	1051.8
-45°	0.0	4.5	16.1	34.4	60.3	95.6	178.9	329.0	526.2	723.8	935.3
-47.5°	0.0	4.3	14.7	31.8	55.3	87.9	144.0	284.0	447.2	638.4	819.1
-50°	0.0	4.1	13.1	29.4	50.4	79.9	123.5	237.0	373.7	548.1	708.4
-52.5°	0.0	3.8	11.6	27.1	45.2	72.1	104.6	189.3	314.8	450.7	610.9
-55°	0.0	3.6	10.5	24.6	40.8	64.1	93.1	142.3	255.2	363.1	510.8
-57.5°	0.0	3.3	9.5	22.1	36.6	56.7	82.4	116.8	195.1	296.3	395.9
-60°	0.0	3.0	8.5	19.5	32.2	49.4	71.9	97.6	140.7	228.9	316.9
-62.5°	0.0	2.8	7.5	16.9	28.7	42.8	61.6	84.2	110.1	161.8	243.5
-65°	0.0	2.5	6.4	14.2	25.1	36.6	52.3	71.2	92.1	120.6	170.5
-67.5°	0.0	2.2	5.5	11.8	21.5	31.2	43.7	59.0	76.3	95.9	122.3
-70°	0.0	2.0	4.8	9.9	17.8	26.7	35.6	47.8	61.7	77.3	94.7
-72.5°	0.0	1.7	4.2	7.9	14.0	22.0	29.8	38.0	48.6	60.8	74.0
-75°	0.0	1.5	3.5	6.1	11.0	17.3	24.2	30.5	37.2	46.3	56.2
-77.5°	0.0	1.3	2.8	5.0	8.0	12.9	18.6	23.9	29.1	34.4	40.9
-80°	0.0	1.0	2.2	3.8	5.8	8.7	13.0	17.2	21.4	25.7	29.9
-82.5°	0.0	0.8	1.6	2.7	4.1	5.8	7.7	10.5	13.6	16.8	20.0
-85°	0.0	0.5	1.1	1.8	2.6	3.5	4.7	5.9	7.1	8.4	10.2
-87.5°	0.0	0.3	0.6	0.9	1.3	1.7	2.2	2.7	3.2	3.7	4.4
-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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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	1.1	1.2	1.2	0.8	0.8	0.8	0.7
82.5°	4.3	5.0	5.5	5.9	6.2	6.3	6.4	6.4	7.2	8.1	9.0
80°	9.7	11.1	12.0	12.7	13.6	16.0	18.1	19.9	22.7	25.4	27.7
77.5°	16.2	19.0	23.2	27.4	32.1	36.3	41.5	45.7	51.1	57.3	63.0
75°	28.8	35.6	42.3	51.3	59.2	67.4	75.2	82.6	90.2	98.8	106.2
72.5°	46.9	58.7	70.2	81.1	91.8	103.1	116.2	127.8	137.8	150.5	162.4
70°	70.5	84.8	98.8	115.8	135.6	160.9	181.0	192.1	228.5	267.8	298.8
67.5°	94.3	112.0	140.3	179.4	220.0	262.1	314.5	372.4	437.8	485.3	533.7
65°	122.7	160.5	221.7	284.2	363.1	435.6	523.6	614.4	700.9	767.5	830.8
62.5°	169.2	244.7	346.9	445.0	540.4	652.3	760.2	863.6	963.7	1100.6	1199.6
60°	247.5	367.6	493.0	620.0	749.2	874.2	997.6	1175.9	1329.5	1472.6	1601.6
57.5°	360.0	502.7	656.2	812.9	955.9	1118.6	1334.1	1501.0	1686.6	1852.2	1980.7
55°	485.0	651.6	830.0	1003.5	1210.4	1432.8	1629.4	1837.9	2012.0	2205.6	2314.8
52.5°	612.8	810.0	1001.3	1236.9	1489.4	1706.6	1934.8	2142.3	2318.2	2546.7	2769.7
50°	755.5	965.1	1190.4	1484.3	1735.8	1987.5	2219.9	2406.5	2690.1	2889.7	3087.4
47.5°	894.5	1118.1	1424.4	1693.7	1989.3	2248.3	2470.7	2761.7	2963.7	3225.0	3496.4
45°	1029.7	1312.5	1605.1	1913.3	2214.1	2471.7	2783.0	3009.1	3294.6	3548.0	3736.2
42.5°	1160.2	1481.5	1792.9	2115.7	2408.2	2762.0	3014.1	3300.2	3568.9	3782.1	3951.2
40°	1319.2	1638.5	1974.3	2307.2	2644.8	2946.8	3262.6	3548.2	3794.9	3979.1	4252.9
37.5°	1456.5	1794.1	2144.9	2457.3	2819.0	3149.0	3468.1	3773.9	3973.6	4268.3	4480.3
35°	1582.4	1940.4	2303.1	2661.5	2985.0	3319.1	3665.3	3934.7	4236.0	4477.6	4676.4
32.5°	1708.9	2079.7	2417.5	2799.3	3153.0	3495.1	3806.1	4116.5	4442.9	4651.6	4842.4
30°	1823.0	2212.5	2568.5	2929.6	3275.9	3642.4	3931.8	4299.7	4575.6	4781.2	4981.2
27.5°	1928.4	2318.3	2692.5	3059.1	3417.9	3742.7	4099.1	4409.1	4690.2	4888.0	5116.1
25°	2026.6	2397.8	2798.5	3164.2	3534.1	3852.4	4220.2	4529.8	4776.0	5010.2	5236.9
22.5°	2113.9	2495.0	2885.6	3235.2	3614.5	3973.2	4297.5	4635.6	4862.6	5094.7	5335.7
20°	2190.0	2579.9	2971.2	3346.8	3675.6	4072.5	4383.8	4710.9	4947.7	5179.8	5406.5
17.5°	2252.2	2655.2	3053.6	3431.2	3768.2	4133.7	4484.6	4773.1	5007.9	5242.0	5480.2
15°	2302.8	2722.0	3112.4	3492.8	3846.3	4194.9	4567.8	4828.4	5057.3	5285.3	5562.7
12.5°	2347.6	2768.4	3155.7	3547.5	3911.0	4245.2	4631.0	4883.5	5109.9	5336.7	5593.0
10°	2385.3	2799.2	3191.7	3584.1	3962.6	4297.1	4676.4	4929.1	5155.9	5401.9	5633.9
7.5°	2411.0	2820.3	3221.1	3612.3	3998.1	4334.8	4714.3	4964.2	5191.6	5449.1	5674.2
5°	2426.7	2832.0	3238.0	3631.7	4020.1	4353.8	4736.4	4990.2	5218.7	5479.8	5708.1
2.5°	2432.9	2834.7	3242.9	3641.5	4031.1	4356.6	4748.5	5006.3	5235.6	5494.4	5730.1
0°	2430.5	2829.0	3237.4	3641.2	4029.2	4346.1	4750.5	5011.9	5241.4	5493.7	5739.5
-2.5°	2436.3	2837.8	3244.1	3643.6	4034.4	4359.0	4753.8	5011.8	5242.9	5500.5	5739.3
-5°	2433.2	2837.4	3240.2	3635.7	4027.0	4358.6	4747.2	5000.6	5232.6	5491.1	5727.1
-7.5°	2420.2	2826.9	3224.0	3618.1	4009.1	4342.4	4731.1	4978.8	5210.4	5464.3	5703.6
-10°	2396.4	2805.0	3195.4	3591.3	3976.0	4307.9	4698.1	4946.5	5179.8	5419.7	5674.6
-12.5°	2362.7	2770.8	3163.0	3555.7	3922.5	4259.3	4656.3	4905.8	5137.7	5372.6	5637.2
-15°	2323.4	2723.8	3124.9	3502.5	3852.7	4211.6	4593.2	4858.4	5088.0	5327.6	5587.4
-17.5°	2279.8	2670.5	3072.3	3442.6	3779.5	4154.7	4503.1	4806.9	5031.7	5275.9	5508.6
-20°	2220.4	2614.2	2996.0	3357.5	3692.7	4100.0	4402.3	4743.0	4961.0	5194.8	5442.7



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 CATALOG NUMBER: LSF120-XX-PC-120W-7050

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2143.3	2527.9	2908.0	3243.2	3631.8	3990.5	4317.1	4658.3	4890.1	5109.4	5370.4
-25°	2063.6	2427.5	2801.0	3182.9	3550.1	3867.5	4240.9	4546.3	4806.1	5005.2	5235.3
-27.5°	1985.8	2361.2	2717.2	3086.8	3426.3	3765.7	4118.0	4426.9	4706.4	4912.7	5117.8
-30°	1900.3	2255.6	2609.8	2955.9	3281.9	3668.7	3949.4	4318.6	4591.6	4802.4	4995.1
-32.5°	1804.5	2119.5	2451.4	2810.9	3178.2	3500.6	3834.3	4131.9	4460.7	4664.7	4869.6
-35°	1692.7	2006.9	2340.7	2700.6	3014.2	3322.4	3691.3	3959.3	4253.3	4490.6	4692.6
-37.5°	1576.0	1887.0	2184.8	2493.0	2840.0	3175.2	3465.6	3817.5	4002.6	4292.3	4489.2
-40°	1446.1	1755.6	2039.9	2336.7	2680.2	2974.4	3284.4	3555.9	3836.6	4015.5	4283.2
-42.5°	1313.1	1602.6	1894.9	2160.1	2440.8	2792.6	3054.4	3329.3	3587.3	3826.4	3995.3
-45°	1179.7	1428.5	1739.2	1995.9	2247.8	2515.3	2818.4	3076.8	3339.9	3575.7	3784.6
-47.5°	1044.7	1275.7	1526.7	1824.8	2061.8	2275.8	2535.6	2803.3	3050.0	3300.8	3533.9
-50°	903.9	1123.8	1334.7	1609.7	1865.3	2055.9	2252.0	2498.9	2746.2	2966.6	3203.9
-52.5°	762.2	963.6	1169.0	1358.2	1628.0	1826.9	2004.8	2186.9	2408.0	2636.6	2814.9
-55°	642.5	797.3	989.8	1177.8	1340.1	1563.3	1749.8	1911.4	2076.9	2248.6	2468.6
-57.5°	535.1	647.5	801.1	978.1	1132.6	1284.7	1450.4	1633.4	1772.5	1919.9	2073.2
-60°	414.5	533.3	628.4	766.6	920.8	1051.7	1189.9	1321.3	1467.7	1599.1	1731.8
-62.5°	318.9	404.8	509.1	589.5	693.2	830.9	947.8	1040.6	1179.5	1283.2	1399.2
-65°	240.4	304.3	368.1	459.0	529.6	600.3	706.2	814.0	902.2	973.0	1076.3
-67.5°	162.6	221.7	274.6	320.6	381.5	443.1	507.7	565.4	643.3	729.4	801.8
-70°	115.6	145.1	188.1	226.3	264.7	302.0	343.5	378.8	434.7	486.4	530.9
-72.5°	88.1	105.5	125.4	145.3	171.9	194.4	224.2	252.8	281.5	310.6	338.7
-75°	66.8	78.5	89.9	103.4	116.3	130.2	142.1	151.8	160.2	185.2	202.9
-77.5°	48.5	56.7	65.1	73.6	82.5	91.1	100.5	109.1	117.2	125.3	133.1
-80°	34.3	38.6	44.3	49.9	55.5	61.8	67.8	73.7	79.5	84.9	90.0
-82.5°	23.3	26.5	29.6	32.6	35.5	38.4	41.5	45.3	48.7	51.9	54.9
-85°	12.3	14.5	16.5	18.4	20.4	22.4	24.3	26.1	27.7	29.2	30.6
-87.5°	5.0	5.7	6.3	6.9	7.5	8.1	8.7	9.3	9.8	10.2	10.7
-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: P622893 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-120W-7050

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
85°	1.1	1.5	1.9	2.1	2.0	1.8	1.5	1.0	0.5	0.5	0.5
82.5°	10.1	11.0	11.4	11.6	11.8	11.9	12.2	12.8	13.3	13.8	14.1
80°	30.3	32.8	34.8	36.9	39.1	41.4	43.1	44.3	45.0	46.0	46.8
77.5°	68.2	72.8	77.0	80.8	84.1	87.1	89.5	91.6	93.1	94.9	96.2
75°	113.6	120.7	127.0	133.2	138.6	143.0	146.8	149.9	152.1	155.1	157.6
72.5°	179.2	192.5	196.6	199.3	206.4	212.7	218.2	222.6	225.7	229.4	232.7
70°	314.5	312.4	316.7	351.2	384.1	394.4	387.4	369.8	375.8	399.5	423.0
67.5°	579.1	619.5	658.9	696.8	732.6	762.2	785.5	802.3	812.4	829.7	851.5
65°	902.9	975.5	1024.1	1061.9	1133.2	1184.9	1222.8	1248.9	1265.5	1289.1	1314.9
62.5°	1285.7	1385.9	1471.8	1552.3	1632.3	1684.7	1722.0	1755.3	1766.1	1773.9	1805.6
60°	1716.6	1826.7	1907.8	1978.5	2056.3	2147.3	2216.9	2258.2	2307.1	2328.3	2344.8
57.5°	2103.4	2196.9	2363.6	2468.0	2528.7	2605.2	2677.5	2761.7	2799.4	2806.6	2837.1
55°	2526.8	2659.9	2758.7	2886.8	2972.7	3009.2	3107.7	3193.1	3253.7	3282.1	3304.3
52.5°	2872.2	3048.5	3177.5	3272.9	3405.2	3518.8	3546.1	3599.3	3662.7	3730.1	3787.3
50°	3320.5	3439.9	3581.8	3678.0	3765.3	3903.6	4035.7	4072.8	4090.7	4100.1	4159.1
47.5°	3635.0	3754.5	3865.6	4067.7	4213.9	4297.3	4353.1	4439.1	4511.4	4569.3	4604.5
45°	3885.6	4066.2	4253.8	4377.5	4481.2	4565.6	4662.2	4759.3	4827.2	4848.5	4866.1
42.5°	4193.8	4372.8	4513.4	4639.2	4768.3	4923.9	5019.5	5048.2	5107.4	5196.3	5254.0
40°	4447.5	4622.6	4791.7	4936.0	5087.8	5154.5	5239.7	5334.2	5416.6	5442.0	5446.5
37.5°	4670.4	4890.7	5038.2	5187.6	5274.1	5382.6	5520.1	5564.2	5641.7	5706.0	5742.9
35°	4879.7	5073.4	5263.3	5352.4	5503.9	5607.9	5725.0	5787.4	5830.8	5903.5	5958.5
32.5°	5046.8	5242.0	5383.0	5561.6	5681.5	5797.7	5856.0	5945.3	6031.5	6081.1	6113.3
30°	5195.9	5371.8	5558.7	5708.7	5835.9	5906.1	6030.2	6130.1	6197.4	6233.1	6286.6
27.5°	5328.0	5516.1	5690.4	5837.3	5943.1	6068.5	6168.0	6239.1	6298.6	6364.2	6401.5
25°	5453.9	5639.2	5806.3	5933.0	6070.7	6175.3	6273.6	6358.5	6435.3	6482.5	6546.6
22.5°	5536.4	5748.0	5895.3	6043.6	6170.7	6288.2	6379.7	6471.2	6546.5	6611.4	6640.6
20°	5641.7	5822.4	5988.0	6137.6	6262.8	6372.4	6489.4	6561.0	6628.3	6697.9	6741.8
17.5°	5699.7	5890.7	6058.7	6219.2	6341.5	6452.5	6546.2	6635.6	6711.3	6773.3	6809.0
15°	5746.5	5949.3	6124.9	6267.5	6398.4	6510.4	6606.3	6694.5	6770.9	6824.7	6880.8
12.5°	5796.8	5988.8	6165.2	6320.1	6439.9	6553.9	6658.2	6741.6	6812.5	6885.8	6933.2
10°	5850.9	6019.2	6190.7	6347.9	6480.7	6598.8	6695.8	6779.2	6852.7	6923.9	6971.1
7.5°	5895.3	6074.0	6228.4	6370.5	6497.1	6632.4	6731.0	6815.9	6894.2	6959.6	7008.8
5°	5929.8	6110.3	6273.0	6408.2	6545.3	6668.0	6758.8	6841.4	6928.6	6985.8	7042.2
2.5°	5957.8	6132.3	6299.4	6439.9	6573.6	6694.7	6786.9	6873.1	6954.5	7013.6	7054.7
0°	5973.9	6143.9	6311.2	6457.3	6585.8	6715.1	6808.3	6895.1	6974.6	7038.8	7099.7
-2.5°	5967.8	6143.2	6308.9	6455.2	6586.8	6706.7	6807.0	6895.9	6973.1	7040.0	7091.6
-5°	5949.3	6131.0	6293.4	6436.3	6573.7	6689.9	6796.3	6887.8	6954.5	7014.7	7070.6
-7.5°	5923.3	6105.3	6262.7	6411.3	6541.9	6665.4	6770.2	6858.9	6924.5	6980.7	7030.1
-10°	5886.9	6063.5	6233.9	6390.3	6534.9	6638.6	6738.0	6828.4	6893.4	6946.6	6992.9
-12.5°	5834.6	6032.8	6209.0	6347.9	6482.8	6593.4	6707.2	6782.0	6857.3	6923.2	6962.9
-15°	5787.5	5993.3	6155.6	6298.6	6443.8	6567.7	6653.7	6741.2	6815.4	6863.1	6915.0
-17.5°	5740.4	5925.2	6096.0	6264.0	6369.5	6485.3	6597.1	6685.1	6748.0	6807.2	6842.7
-20°	5660.5	5859.0	6034.0	6167.9	6312.5	6413.6	6508.9	6609.8	6665.0	6728.8	6775.1



REPORT NUMBER: P622893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-120W-7050

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5569.6	5781.2	5938.4	6101.7	6209.5	6338.7	6428.9	6502.3	6581.6	6621.6	6673.1
-25°	5484.8	5661.0	5846.0	5987.1	6126.7	6222.2	6335.2	6416.3	6480.4	6519.9	6567.0
-27.5°	5354.3	5553.7	5729.0	5882.9	6010.8	6121.7	6214.2	6291.2	6379.4	6424.2	6449.3
-30°	5213.7	5411.8	5599.7	5765.7	5879.6	5977.0	6084.1	6176.6	6234.1	6273.3	6320.7
-32.5°	5059.9	5273.6	5427.9	5603.8	5742.5	5830.6	5911.7	6006.9	6076.0	6115.1	6148.6
-35°	4908.0	5096.3	5306.1	5404.6	5541.3	5660.8	5768.7	5826.3	5878.7	5945.2	5990.8
-37.5°	4688.3	4917.1	5074.8	5226.1	5329.4	5436.4	5555.6	5620.5	5690.5	5735.1	5770.1
-40°	4454.3	4628.9	4833.3	4984.2	5106.1	5209.8	5292.8	5385.8	5450.1	5484.4	5506.1
-42.5°	4241.4	4387.4	4530.9	4690.8	4828.7	4977.4	5045.3	5098.3	5160.2	5241.0	5285.7
-45°	3936.6	4137.3	4290.1	4418.6	4530.9	4633.3	4731.7	4822.2	4885.5	4913.1	4937.3
-47.5°	3689.0	3819.3	3990.2	4154.8	4265.5	4365.9	4449.1	4519.0	4576.5	4622.4	4656.3
-50°	3401.8	3544.5	3652.4	3771.8	3944.5	4064.6	4111.0	4152.4	4218.5	4304.6	4343.8
-52.5°	2992.9	3133.0	3327.4	3460.2	3544.6	3598.3	3699.4	3796.2	3861.6	3870.4	3894.4
-55°	2607.1	2736.6	2860.3	2958.6	3085.6	3249.2	3303.4	3332.1	3334.5	3339.3	3412.9
-57.5°	2224.1	2386.4	2475.3	2560.9	2655.0	2741.3	2809.1	2853.1	2908.2	2956.8	2995.1
-60°	1861.6	1986.0	2102.7	2212.6	2296.8	2333.3	2366.7	2444.7	2522.1	2566.2	2584.2
-62.5°	1516.5	1619.5	1718.6	1810.6	1890.4	1961.8	2013.2	2049.4	2071.3	2087.1	2109.2
-65°	1164.0	1250.5	1343.7	1432.2	1491.5	1544.7	1581.7	1605.9	1627.8	1671.0	1705.1
-67.5°	866.9	928.6	985.7	1025.9	1082.5	1138.3	1182.1	1214.7	1236.1	1257.5	1280.7
-70°	583.5	637.0	684.5	728.6	764.4	799.4	831.4	858.4	873.3	885.0	893.6
-72.5°	371.1	400.1	423.3	448.3	469.6	490.6	508.9	522.8	532.2	540.0	545.3
-75°	220.6	240.1	258.3	273.8	283.6	288.3	288.3	284.0	275.9	275.7	276.6
-77.5°	140.8	148.4	155.6	161.7	167.1	171.9	176.2	179.7	183.5	187.6	190.7
-80°	95.1	99.9	104.4	108.2	111.8	115.2	118.1	120.4	122.3	124.1	125.6
-82.5°	58.0	61.0	63.7	66.0	67.9	69.6	71.2	72.7	73.9	75.1	75.9
-85°	32.0	33.2	34.4	35.3	36.1	36.7	37.3	37.8	38.2	38.6	38.9
-87.5°	11.3	12.0	12.6	13.1	13.6	13.9	14.3	14.6	14.8	15.0	15.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622893 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-120W-7050

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	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°	14.3	14.4	14.3	14.1	14.2	14.3	14.2	13.9	13.5	12.9	12.4
80°	47.2	47.4	47.2	46.7	47.0	47.1	46.8	46.3	45.4	44.3	43.5
77.5°	97.1	97.5	97.3	96.7	97.2	97.3	96.8	95.9	94.4	92.5	90.5
75°	159.3	160.1	160.1	159.2	159.8	159.6	158.7	156.8	154.2	151.1	148.7
72.5°	235.1	236.5	236.9	236.3	236.9	236.4	234.9	232.2	228.5	224.8	222.1
70°	434.4	435.6	428.2	413.9	428.3	436.7	438.4	432.6	418.7	404.1	397.3
67.5°	866.6	874.4	874.7	867.2	876.7	878.2	871.9	858.2	837.2	822.3	813.8
65°	1326.7	1325.7	1313.1	1289.9	1315.8	1330.8	1333.5	1322.4	1296.2	1267.8	1247.3
62.5°	1840.6	1862.6	1871.6	1867.9	1883.1	1887.4	1882.8	1870.8	1844.8	1818.5	1793.4
60°	2366.4	2387.3	2401.9	2404.4	2414.6	2411.0	2397.7	2378.9	2358.6	2324.5	2273.6
57.5°	2873.5	2891.4	2892.0	2879.9	2896.0	2898.6	2882.7	2847.2	2820.3	2809.3	2769.9
55°	3325.7	3342.2	3351.4	3350.8	3353.5	3346.2	3331.1	3310.5	3288.1	3268.8	3233.4
52.5°	3819.5	3831.5	3836.1	3828.0	3838.7	3837.1	3828.7	3806.5	3769.2	3716.5	3622.8
50°	4211.0	4228.6	4218.5	4187.9	4226.2	4243.5	4232.1	4184.9	4123.3	4100.7	4076.6
47.5°	4637.3	4658.2	4668.1	4667.5	4670.7	4663.5	4645.9	4614.6	4576.8	4520.2	4455.3
45°	4901.9	4923.4	4931.6	4927.1	4932.7	4926.1	4906.9	4874.9	4858.3	4843.4	4772.4
42.5°	5294.6	5308.1	5314.1	5310.5	5313.3	5305.2	5288.5	5254.3	5205.0	5114.0	5054.8
40°	5487.6	5513.1	5521.9	5517.9	5532.0	5530.2	5506.2	5458.2	5446.5	5419.7	5361.5
37.5°	5764.1	5797.9	5811.1	5808.6	5812.4	5800.8	5769.4	5750.9	5718.9	5668.7	5573.8
35°	5986.0	6002.9	6015.1	6019.5	6015.3	6003.1	5985.7	5961.5	5910.6	5837.6	5790.0
32.5°	6141.6	6161.9	6173.7	6172.3	6178.8	6176.0	6158.2	6112.1	6074.6	6032.2	5964.9
30°	6335.8	6337.8	6352.6	6365.8	6357.5	6340.5	6322.5	6286.0	6234.2	6194.4	6125.7
27.5°	6431.6	6457.2	6472.5	6472.0	6474.5	6464.7	6439.3	6407.8	6366.9	6338.0	6240.0
25°	6562.9	6577.7	6587.9	6588.0	6588.3	6578.8	6564.2	6550.0	6489.9	6449.1	6365.1
22.5°	6687.2	6708.1	6712.9	6709.8	6709.3	6696.0	6677.9	6640.5	6611.2	6554.5	6478.2
20°	6779.0	6799.5	6800.8	6803.0	6807.0	6806.2	6783.4	6745.3	6696.4	6627.9	6562.0
17.5°	6855.6	6874.7	6883.0	6883.5	6878.6	6871.9	6855.0	6821.4	6769.7	6706.8	6632.1
15°	6918.3	6929.6	6941.6	6947.0	6942.0	6927.0	6912.1	6882.8	6822.0	6758.1	6696.7
12.5°	6965.8	6987.2	6992.5	6992.8	6993.8	6989.1	6963.8	6926.0	6871.8	6812.6	6742.1
10°	7005.8	7026.4	7042.4	7039.2	7040.0	7031.8	7016.2	6966.8	6920.3	6864.0	6788.1
7.5°	7054.9	7071.2	7081.6	7079.8	7099.5	7076.6	7060.6	7023.4	6962.9	6905.2	6826.9
5°	7077.3	7108.1	7116.6	7115.1	7113.4	7103.4	7091.9	7056.1	7002.4	6934.2	6855.8
2.5°	7091.4	7112.6	7127.3	7127.0	7135.4	7126.4	7114.0	7065.9	7016.1	6945.7	6872.2
0°	7133.2	7148.3	7154.0	7139.6	7157.0	7135.9	7117.4	7086.7	7011.8	6948.3	6878.4
-2.5°	7125.6	7135.1	7144.7	7138.5	7125.3	7107.6	7088.9	7043.6	6997.0	6930.8	6863.7
-5°	7098.9	7116.2	7121.6	7107.7	7110.4	7086.6	7078.3	7025.2	6972.1	6907.7	6840.5
-7.5°	7074.3	7081.8	7087.2	7082.6	7080.0	7057.9	7051.1	7004.5	6941.3	6885.4	6811.8
-10°	7033.1	7054.1	7060.7	7072.3	7058.5	7036.5	7012.2	6978.9	6920.0	6858.8	6786.1
-12.5°	7005.4	7013.2	7020.2	7025.6	7011.2	6994.8	6977.0	6935.0	6885.9	6821.3	6751.9
-15°	6953.2	6962.6	6965.6	6958.3	6956.7	6948.7	6917.4	6875.6	6834.2	6768.5	6692.7
-17.5°	6876.3	6899.3	6904.9	6901.2	6895.0	6879.6	6857.0	6818.5	6767.9	6703.1	6635.3
-20°	6798.0	6817.5	6828.9	6822.0	6816.4	6798.8	6775.6	6741.9	6690.2	6627.3	6569.6

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P622893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-120W-7050

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6706.4	6715.9	6725.5	6720.0	6720.2	6708.5	6688.3	6647.8	6598.0	6542.3	6462.5
-25°	6584.2	6611.1	6616.3	6604.4	6608.2	6596.4	6566.5	6539.5	6482.7	6429.4	6360.0
-27.5°	6477.4	6497.2	6500.2	6493.8	6493.0	6480.7	6453.3	6415.1	6373.7	6322.0	6243.8
-30°	6352.8	6365.0	6375.1	6377.0	6364.7	6344.1	6320.8	6282.9	6235.6	6186.2	6124.7
-32.5°	6181.9	6198.4	6201.2	6193.1	6191.8	6180.7	6155.9	6114.1	6077.7	6028.8	5951.9
-35°	6010.9	6026.8	6036.8	6039.2	6031.0	6016.4	5998.8	5969.3	5912.1	5837.5	5779.5
-37.5°	5793.0	5815.9	5820.3	5808.8	5810.1	5793.9	5758.3	5730.5	5693.4	5635.1	5553.4
-40°	5537.5	5554.0	5555.8	5545.1	5547.9	5537.5	5510.9	5467.9	5439.6	5399.9	5331.3
-42.5°	5313.1	5321.8	5322.7	5313.3	5313.7	5303.4	5284.4	5241.1	5184.7	5108.5	5054.1
-45°	4960.0	4974.1	4978.4	4971.5	4968.0	4952.8	4926.8	4890.6	4869.1	4837.1	4756.2
-47.5°	4682.6	4699.3	4704.6	4698.3	4697.4	4684.5	4659.6	4626.2	4585.7	4533.4	4467.9
-50°	4362.8	4379.2	4386.3	4377.0	4377.1	4359.5	4329.9	4293.9	4242.1	4162.5	4102.5
-52.5°	3920.6	3933.6	3934.1	3923.3	3923.5	3912.2	3888.3	3850.7	3815.7	3795.0	3710.3
-55°	3447.3	3448.3	3423.9	3382.4	3407.2	3416.8	3405.1	3365.8	3295.5	3286.2	3268.8
-57.5°	3006.3	3008.0	2999.9	2979.4	2986.0	2978.1	2956.0	2922.1	2879.7	2845.2	2808.7
-60°	2602.3	2616.2	2621.3	2613.2	2610.3	2593.6	2566.8	2533.8	2498.5	2448.1	2381.1
-62.5°	2125.9	2136.0	2138.3	2131.5	2130.8	2120.9	2102.9	2078.1	2047.5	2025.6	1998.1
-65°	1720.4	1719.7	1705.8	1681.7	1696.6	1701.3	1692.9	1668.4	1625.1	1573.7	1546.5
-67.5°	1293.4	1296.3	1290.9	1278.7	1282.1	1279.3	1268.9	1249.9	1219.6	1184.0	1155.3
-70°	898.4	898.6	893.7	883.1	884.3	880.3	872.3	861.4	849.0	836.6	818.0
-72.5°	547.0	544.8	538.6	528.1	537.4	542.2	542.8	539.1	531.2	517.9	501.3
-75°	276.2	274.7	272.0	268.4	268.4	267.5	265.7	263.0	259.5	257.8	265.3
-77.5°	192.7	193.8	193.9	193.3	193.3	192.6	191.1	189.0	186.1	182.6	179.3
-80°	126.7	127.4	127.6	127.5	127.6	127.2	126.4	125.2	123.6	121.5	119.3
-82.5°	76.6	77.0	77.1	76.9	76.9	76.6	76.1	75.3	74.3	73.0	71.6
-85°	39.0	39.1	39.1	39.0	39.0	38.8	38.6	38.3	37.9	37.4	36.8
-87.5°	15.3	15.4	15.4	15.4	15.3	15.2	15.0	14.8	14.5	14.2	13.9
-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: P622893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-120W-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°	1.4	1.7	1.9	2.0	1.9	1.5	1.1	0.7	0.7	0.8	0.8
82.5°	11.8	11.4	11.2	11.1	10.9	10.8	10.5	10.1	9.5	8.8	8.0
80°	42.3	40.5	38.2	35.9	33.6	31.4	28.8	26.2	23.8	21.2	18.3
77.5°	88.2	85.4	82.3	78.7	74.9	70.8	66.2	60.9	55.1	48.7	43.3
75°	145.3	141.3	136.4	130.6	123.8	116.9	109.5	102.1	95.4	87.9	80.0
72.5°	217.4	210.3	202.8	195.4	191.3	185.2	170.9	154.0	142.5	130.8	120.4
70°	399.9	395.7	381.1	350.8	311.2	293.9	293.1	280.4	249.0	210.9	175.5
67.5°	792.9	765.3	730.7	688.0	639.6	591.5	544.8	484.2	412.8	385.4	340.0
65°	1218.3	1176.9	1148.4	1117.1	1039.1	953.0	881.6	805.2	724.1	635.4	529.9
62.5°	1753.8	1699.6	1627.9	1533.4	1439.8	1354.3	1278.8	1162.9	1040.9	936.7	813.9
60°	2233.1	2169.0	2074.9	2017.2	1925.5	1805.3	1662.3	1542.7	1426.3	1265.4	1093.5
57.5°	2694.7	2616.0	2519.1	2456.5	2351.8	2184.6	2086.2	1944.4	1779.1	1620.2	1439.7
55°	3147.8	3020.1	2959.5	2870.4	2740.5	2608.2	2485.0	2282.8	2144.2	1958.1	1760.1
52.5°	3539.2	3508.1	3437.3	3308.6	3150.5	3030.6	2843.9	2689.1	2490.3	2271.5	2068.2
50°	4049.9	3933.3	3778.3	3656.9	3570.8	3444.4	3263.2	3068.6	2826.0	2622.4	2375.6
47.5°	4361.8	4295.4	4209.5	4083.2	3866.2	3725.4	3615.8	3434.9	3190.6	2899.4	2694.1
45°	4664.3	4560.8	4464.9	4348.7	4239.5	4070.2	3857.3	3703.3	3486.6	3238.5	2928.0
42.5°	5022.8	4947.2	4763.8	4630.4	4458.1	4327.7	4187.3	3923.8	3743.6	3484.1	3237.8
40°	5239.3	5156.4	5079.2	4935.1	4781.4	4560.9	4376.6	4205.2	3946.0	3752.1	3440.7
37.5°	5514.6	5407.2	5274.8	5166.7	5024.0	4864.5	4624.8	4400.6	4189.6	3933.3	3724.0
35°	5734.5	5600.3	5494.9	5357.6	5233.1	5044.7	4846.3	4623.4	4393.3	4120.0	3890.7
32.5°	5862.1	5782.0	5686.7	5538.0	5374.7	5206.9	5003.1	4798.4	4589.3	4346.4	4009.4
30°	6034.9	5934.9	5809.2	5705.7	5532.7	5347.1	5149.7	4935.1	4723.0	4501.2	4193.1
27.5°	6170.8	6065.9	5966.7	5809.4	5670.8	5494.5	5281.3	5057.8	4848.6	4612.3	4322.7
25°	6287.1	6184.8	6071.5	5936.8	5782.1	5605.1	5425.2	5162.7	4933.2	4716.1	4431.6
22.5°	6391.8	6296.4	6161.0	6041.9	5886.0	5721.3	5517.0	5288.5	5044.0	4814.3	4538.5
20°	6488.3	6370.2	6254.4	6116.9	5969.2	5803.9	5597.5	5373.8	5114.1	4882.7	4635.5
17.5°	6542.4	6446.5	6320.4	6183.3	6048.2	5858.7	5678.0	5437.5	5192.5	4955.0	4711.1
15°	6604.4	6494.3	6381.0	6262.5	6090.0	5929.6	5727.9	5509.2	5244.0	5005.3	4766.2
12.5°	6660.5	6553.0	6433.6	6291.1	6150.1	5979.7	5763.1	5562.2	5285.3	5051.0	4820.4
10°	6705.6	6597.5	6477.3	6349.2	6198.4	5999.7	5808.0	5607.3	5335.8	5100.0	4863.6
7.5°	6737.7	6641.2	6518.4	6380.8	6229.8	6041.5	5855.6	5644.3	5381.7	5137.8	4896.5
5°	6763.4	6671.1	6538.0	6409.0	6251.7	6073.4	5892.3	5670.8	5408.0	5161.8	4918.5
2.5°	6781.0	6683.7	6552.9	6425.4	6268.2	6091.2	5913.9	5686.4	5416.2	5174.1	4929.4
0°	6789.1	6688.8	6559.2	6430.0	6276.5	6093.5	5918.9	5690.9	5409.0	5175.5	4929.2
-2.5°	6772.4	6671.3	6545.7	6420.3	6264.0	6091.6	5913.1	5690.0	5421.5	5177.5	4933.0
-5°	6743.3	6644.8	6522.3	6400.7	6240.3	6075.2	5893.9	5677.3	5419.8	5168.4	4925.9
-7.5°	6723.5	6616.7	6494.5	6364.5	6205.3	6044.1	5866.0	5654.0	5402.7	5147.6	4908.4
-10°	6695.7	6590.3	6466.2	6332.9	6182.9	6000.3	5829.3	5624.5	5368.9	5117.2	4881.0
-12.5°	6659.9	6554.5	6431.2	6291.9	6155.7	5973.5	5779.4	5585.8	5313.7	5079.2	4840.1
-15°	6609.0	6503.9	6383.0	6250.0	6096.0	5935.2	5734.0	5531.1	5260.2	5031.5	4784.6
-17.5°	6553.4	6440.0	6325.1	6199.7	6034.5	5870.6	5685.3	5459.7	5210.2	4978.5	4727.8
-20°	6473.9	6361.4	6253.0	6114.5	5975.9	5795.5	5609.9	5378.9	5156.6	4910.7	4659.0



REPORT NUMBER: P622893 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-120W-7050

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6373.6	6282.1	6163.9	6041.5	5880.1	5721.7	5519.1	5300.6	5066.4	4829.0	4568.8
-25°	6277.8	6182.9	6079.7	5939.8	5788.6	5611.5	5419.1	5216.0	4966.0	4733.4	4450.1
-27.5°	6166.5	6080.8	5968.0	5828.1	5674.9	5495.2	5302.9	5081.1	4861.2	4631.7	4349.1
-30°	6033.1	5933.5	5831.6	5706.8	5540.7	5353.3	5169.6	4949.5	4737.9	4513.3	4235.7
-32.5°	5867.8	5787.3	5674.0	5548.0	5374.7	5219.0	5008.0	4806.0	4605.5	4383.5	4036.9
-35°	5704.4	5588.9	5488.6	5346.1	5240.2	5035.9	4846.6	4647.2	4421.1	4151.7	3883.2
-37.5°	5488.9	5379.4	5262.3	5166.4	5011.5	4855.6	4657.8	4429.8	4200.4	3925.6	3719.8
-40°	5229.3	5156.0	5061.0	4914.6	4775.9	4625.6	4401.8	4192.7	3935.8	3749.9	3469.9
-42.5°	5008.2	4898.0	4747.1	4644.6	4506.6	4330.9	4141.4	3913.6	3744.5	3506.3	3256.8
-45°	4658.5	4572.8	4483.6	4359.6	4224.7	4045.0	3856.2	3707.4	3506.0	3269.9	2948.4
-47.5°	4385.7	4303.3	4211.9	4081.8	3897.3	3738.4	3622.4	3467.0	3233.7	2922.3	2716.7
-50°	4062.2	3988.9	3841.8	3680.7	3584.5	3467.6	3321.2	3117.6	2856.5	2669.8	2388.0
-52.5°	3604.3	3531.3	3463.9	3353.9	3218.8	3078.5	2887.0	2738.1	2561.5	2309.3	2128.5
-55°	3205.2	3107.5	3007.7	2923.9	2803.1	2650.0	2547.7	2355.4	2180.2	2011.3	1845.4
-57.5°	2778.5	2709.4	2570.0	2483.5	2411.3	2298.5	2153.7	2003.0	1848.0	1732.8	1579.6
-60°	2316.3	2280.6	2241.5	2147.0	2031.9	1910.1	1782.8	1690.5	1565.3	1421.8	1286.3
-62.5°	1954.6	1894.3	1812.7	1722.1	1654.5	1585.9	1454.3	1350.3	1240.2	1120.3	1037.1
-65°	1525.0	1498.9	1426.6	1332.2	1281.7	1215.7	1122.1	1039.5	971.2	861.7	773.0
-67.5°	1125.9	1094.5	1052.4	997.8	933.0	876.7	817.3	753.4	689.4	634.5	573.2
-70°	787.6	753.7	717.4	683.8	650.2	608.9	564.6	521.0	471.5	433.1	397.4
-72.5°	480.8	456.8	434.5	413.0	388.8	374.6	360.3	341.8	319.8	293.6	261.7
-75°	269.5	270.2	266.8	259.0	248.3	237.1	222.7	206.9	188.5	162.0	152.0
-77.5°	175.5	171.1	165.9	160.0	153.8	146.9	139.2	131.1	123.1	114.5	105.8
-80°	116.7	113.6	110.1	106.5	102.5	97.7	92.6	87.2	81.9	76.2	70.1
-82.5°	69.9	68.1	66.2	64.1	61.7	58.7	55.5	52.2	49.1	45.8	42.3
-85°	36.2	35.4	34.6	33.7	32.6	31.4	30.0	28.6	27.1	25.5	23.9
-87.5°	13.5	13.0	12.5	12.0	11.4	10.7	10.0	9.3	8.8	8.3	7.8
-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: P622893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-120W-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	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
85°	1.1	1.2	1.0	0.9	0.9	0.9	1.1	1.1	1.0	1.0	0.9
82.5°	7.3	6.6	6.0	5.5	5.0	4.5	3.8	3.2	2.9	2.6	2.1
80°	17.3	15.9	13.9	12.4	11.2	10.0	8.7	7.5	6.4	5.3	4.4
77.5°	39.0	33.9	29.8	25.2	21.4	17.3	14.6	12.4	10.1	8.6	7.1
75°	72.2	64.1	55.8	48.0	39.3	32.8	26.3	20.8	16.3	12.1	9.8
72.5°	109.3	98.4	87.6	76.9	66.1	54.8	43.0	34.3	26.4	19.1	13.6
70°	165.3	146.7	123.6	108.1	93.5	79.9	65.8	51.7	39.6	29.3	20.4
67.5°	279.3	232.1	195.5	159.9	126.2	105.6	88.9	72.4	56.0	41.5	29.5
65°	451.5	389.7	313.5	248.4	194.3	142.9	114.1	93.4	74.3	55.7	39.8
62.5°	688.5	561.7	473.2	385.5	297.9	213.4	150.5	116.6	92.9	71.8	51.1
60°	952.9	809.1	663.7	534.8	429.9	316.0	215.3	146.8	113.0	87.5	64.8
57.5°	1228.8	1053.2	890.7	727.9	569.7	440.9	311.0	196.9	135.8	104.9	78.2
55°	1572.4	1326.0	1116.2	933.7	749.4	574.8	424.1	280.4	171.1	123.3	91.4
52.5°	1860.3	1658.5	1371.4	1137.1	933.9	733.5	548.1	378.9	231.2	142.8	106.8
50°	2129.4	1911.5	1691.4	1362.7	1111.5	898.8	682.5	487.4	310.6	173.0	123.2
47.5°	2437.4	2146.3	1914.1	1632.2	1305.4	1052.4	828.7	603.2	397.5	222.6	142.0
45°	2718.7	2445.9	2109.8	1839.9	1520.8	1213.6	969.2	725.7	492.5	290.8	166.0
42.5°	2920.1	2695.4	2347.0	2022.0	1725.5	1386.5	1093.4	848.6	592.8	366.2	194.9
40°	3199.9	2862.8	2570.6	2189.2	1887.6	1562.8	1232.1	966.3	696.7	440.7	240.3
37.5°	3364.1	3067.2	2749.4	2405.3	2043.0	1716.5	1373.7	1067.8	794.3	516.3	293.3
35°	3575.4	3240.1	2876.0	2561.9	2181.1	1848.1	1509.4	1170.0	885.8	592.9	347.3
32.5°	3753.6	3361.8	3071.4	2719.4	2349.9	1984.8	1629.6	1277.5	971.2	669.2	400.9
30°	3856.2	3562.6	3194.3	2821.0	2465.2	2090.1	1731.4	1379.9	1046.3	740.1	452.3
27.5°	3974.8	3679.2	3288.8	2959.0	2586.4	2199.9	1831.6	1473.0	1115.3	805.3	503.3
25°	4123.3	3757.3	3419.4	3076.0	2702.8	2315.0	1931.4	1554.6	1187.3	865.0	550.3
22.5°	4216.3	3849.3	3538.7	3153.0	2774.6	2394.6	2012.8	1628.3	1256.1	919.0	595.4
20°	4283.1	3956.7	3598.3	3223.0	2862.1	2466.6	2081.1	1695.2	1317.5	967.2	638.9
17.5°	4345.0	4048.8	3663.9	3296.8	2946.1	2547.5	2146.0	1755.4	1370.2	1009.6	677.5
15°	4446.8	4115.0	3719.8	3379.7	3008.8	2612.6	2206.5	1808.1	1414.7	1047.4	711.2
12.5°	4520.9	4165.5	3785.8	3439.9	3062.6	2658.0	2255.3	1850.7	1451.2	1080.3	740.0
10°	4579.4	4207.8	3831.9	3482.8	3110.3	2693.1	2292.1	1883.8	1481.4	1107.9	763.8
7.5°	4625.2	4239.0	3865.7	3519.4	3137.3	2720.9	2317.4	1907.5	1504.8	1130.3	782.8
5°	4647.3	4259.4	3891.7	3547.2	3152.6	2740.2	2334.3	1922.5	1521.0	1147.0	796.9
2.5°	4659.0	4269.0	3903.0	3563.6	3159.3	2750.2	2342.5	1929.2	1529.9	1158.1	806.3
0°	4658.2	4267.6	3898.2	3566.1	3157.6	2749.8	2341.8	1928.2	1531.7	1163.3	811.0
-2.5°	4661.6	4273.7	3908.0	3566.9	3164.1	2754.5	2347.6	1935.7	1537.3	1166.8	814.2
-5°	4652.4	4268.3	3902.9	3553.8	3161.5	2748.6	2344.1	1935.7	1535.6	1164.3	812.7
-7.5°	4632.5	4250.9	3885.2	3529.7	3149.3	2733.0	2331.0	1928.2	1526.3	1155.9	806.5
-10°	4594.0	4221.0	3858.3	3497.1	3124.6	2708.4	2308.4	1913.0	1509.3	1141.6	795.6
-12.5°	4548.4	4179.4	3813.8	3458.9	3082.2	2675.6	2278.9	1889.9	1485.7	1121.7	779.9
-15°	4483.9	4131.7	3746.4	3408.4	3034.6	2635.0	2242.0	1858.8	1458.0	1096.1	759.7
-17.5°	4379.6	4074.6	3690.9	3339.1	2978.1	2583.6	2197.0	1816.0	1423.3	1065.0	735.0
-20°	4307.6	4006.4	3625.8	3266.2	2898.8	2520.8	2141.0	1764.3	1381.4	1031.3	705.9



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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°	4240.7	3888.0	3567.4	3186.5	2813.5	2444.6	2076.1	1705.7	1332.5	992.7	672.2
-25°	4159.7	3777.7	3459.1	3112.9	2738.8	2359.1	2005.9	1634.7	1277.5	948.8	638.0
-27.5°	4017.9	3692.8	3333.1	2995.0	2636.3	2276.3	1928.8	1554.2	1217.4	899.3	603.1
-30°	3864.0	3581.9	3223.3	2854.2	2517.8	2178.5	1842.4	1476.8	1152.6	844.5	564.9
-32.5°	3755.0	3402.5	3090.1	2737.7	2378.2	2069.3	1743.2	1393.0	1083.8	785.5	521.4
-35°	3591.2	3263.1	2902.1	2600.7	2263.7	1951.8	1619.7	1307.1	1011.7	722.9	473.2
-37.5°	3394.4	3074.8	2753.8	2409.4	2129.2	1826.3	1498.9	1210.1	933.5	662.0	424.9
-40°	3197.6	2867.8	2581.7	2272.9	1984.3	1683.3	1378.0	1106.0	849.5	604.5	378.8
-42.5°	2934.5	2692.5	2362.2	2109.2	1831.4	1530.1	1255.8	1002.6	759.2	538.6	334.6
-45°	2724.6	2415.9	2198.7	1935.7	1659.3	1379.7	1119.9	893.2	672.0	465.8	295.8
-47.5°	2432.4	2228.8	2003.6	1751.3	1477.9	1228.3	998.4	783.2	587.8	404.0	255.6
-50°	2200.1	1996.2	1796.0	1545.8	1304.7	1066.9	870.2	675.9	497.7	342.7	213.6
-52.5°	1941.1	1769.1	1558.3	1343.1	1107.8	929.0	746.1	568.9	412.8	288.7	170.3
-55°	1698.8	1506.8	1323.1	1121.8	955.5	786.1	618.1	472.0	337.4	233.7	127.6
-57.5°	1415.5	1254.3	1084.7	946.2	796.4	644.2	504.8	371.5	275.6	178.3	108.2
-60°	1151.1	1017.4	889.2	771.3	639.8	511.4	393.6	298.8	213.1	128.9	91.7
-62.5°	909.1	802.1	709.6	592.2	497.5	390.7	304.6	230.2	150.7	103.8	78.2
-65°	697.4	617.8	515.0	457.4	360.3	294.8	230.8	161.8	113.7	86.4	65.6
-67.5°	492.9	445.9	383.6	317.3	270.1	216.6	157.2	116.2	90.3	70.9	54.0
-70°	354.0	306.1	264.8	224.6	186.6	142.6	110.1	89.4	72.1	56.8	43.6
-72.5°	228.1	194.9	171.1	144.2	121.5	100.3	83.3	69.1	56.1	44.4	35.7
-75°	140.8	127.8	112.0	98.9	85.5	73.9	62.2	51.8	42.6	34.8	28.0
-77.5°	97.0	87.4	78.5	69.3	60.9	52.6	44.7	37.7	31.7	26.2	20.4
-80°	64.1	58.1	51.9	46.2	40.6	34.9	31.0	26.8	22.4	17.7	12.8
-82.5°	38.5	35.3	32.4	29.5	26.6	23.6	20.3	16.8	13.4	10.6	8.1
-85°	22.0	20.1	18.2	16.2	14.3	12.3	10.2	8.2	6.7	5.7	4.7
-87.5°	7.2	6.7	6.1	5.6	5.1	4.6	4.0	3.4	2.9	2.5	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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°	1.5	1.5	1.2	0.7	0.5	0.3	0.0
80°	3.6	2.6	2.1	1.5	0.7	0.4	0.0
77.5°	5.8	4.5	3.2	2.2	1.1	0.5	0.0
75°	8.1	6.4	4.7	3.0	1.7	0.6	0.0
72.5°	10.4	8.3	6.2	4.1	2.3	0.7	0.0
70°	13.4	10.4	7.7	5.2	2.9	0.8	0.0
67.5°	19.6	12.9	9.2	6.3	3.5	0.9	0.0
65°	26.7	16.7	11.1	7.5	4.1	1.1	0.0
62.5°	34.8	21.9	13.4	8.6	4.9	1.4	0.0
60°	44.2	27.7	15.6	9.6	5.6	1.8	0.0
57.5°	53.8	34.3	19.6	10.8	6.3	2.1	0.0
55°	65.0	41.2	23.6	12.6	7.0	2.4	0.0
52.5°	75.9	49.0	27.8	14.4	7.7	2.7	0.0
50°	86.5	56.7	32.7	16.2	8.3	3.0	0.0
47.5°	97.4	65.2	37.4	18.2	9.0	3.3	0.0
45°	111.2	73.3	42.2	20.9	9.6	3.5	0.0
42.5°	124.9	81.1	47.8	23.5	10.2	3.8	0.0
40°	142.2	88.7	53.3	26.1	10.8	4.1	0.0
37.5°	159.8	95.9	58.5	28.5	11.3	4.3	0.0
35°	181.4	105.2	63.7	31.3	12.2	4.6	0.0
32.5°	205.2	115.5	68.8	34.0	13.2	4.8	0.0
30°	228.6	125.4	73.6	36.6	14.1	5.0	0.0
27.5°	262.8	135.9	78.0	39.0	15.0	5.3	0.0
25°	296.5	148.4	82.1	41.2	15.8	5.5	0.0
22.5°	327.7	160.5	86.0	43.3	16.6	5.6	0.0
20°	357.1	172.0	89.5	45.4	17.3	5.8	0.0
17.5°	385.2	182.8	92.6	47.6	18.0	6.0	0.0
15°	410.1	194.0	95.4	49.5	18.6	6.1	0.0
12.5°	431.8	205.4	97.8	51.3	19.1	6.2	0.0
10°	450.2	215.5	99.8	52.7	19.6	6.3	0.0
7.5°	465.4	224.1	101.5	53.9	20.0	6.4	0.0
5°	477.4	231.2	102.8	54.9	20.3	6.5	0.0
2.5°	486.1	236.6	103.7	55.5	20.5	6.5	0.0
0°	491.5	240.3	104.2	55.9	20.7	6.5	0.0
-2.5°	494.6	242.6	104.8	56.1	20.8	6.6	0.0
-5°	494.3	243.1	105.0	56.0	20.9	6.6	0.0
-7.5°	490.7	241.7	104.7	55.6	20.9	6.5	0.0
-10°	483.7	238.4	104.1	54.9	20.8	6.5	0.0
-12.5°	473.2	233.2	102.9	54.0	20.6	6.4	0.0
-15°	459.3	226.2	101.3	52.7	20.3	6.3	0.0
-17.5°	441.8	218.5	99.2	51.3	20.0	6.2	0.0
-20°	420.8	209.8	96.6	49.5	19.5	6.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	398.7	199.4	93.5	47.9	19.0	6.0	0.0
-25°	374.7	187.2	89.9	46.2	18.4	5.8	0.0
-27.5°	348.1	173.2	86.3	44.4	17.7	5.7	0.0
-30°	319.9	159.8	82.5	42.4	16.9	5.5	0.0
-32.5°	296.4	145.5	78.4	40.1	16.0	5.3	0.0
-35°	270.9	129.3	73.9	37.7	15.0	5.0	0.0
-37.5°	244.4	114.9	69.2	35.3	14.2	4.8	0.0
-40°	217.3	106.6	64.3	33.1	13.5	4.6	0.0
-42.5°	188.0	97.5	59.1	30.9	12.9	4.3	0.0
-45°	159.6	89.1	53.7	28.5	12.2	4.0	0.0
-47.5°	128.7	81.6	49.0	26.1	11.4	3.7	0.0
-50°	112.4	73.7	44.4	23.8	10.5	3.4	0.0
-52.5°	97.9	65.9	39.6	21.6	9.6	3.1	0.0
-55°	86.9	57.9	35.6	19.3	8.8	2.8	0.0
-57.5°	76.2	50.9	31.8	16.8	8.1	2.5	0.0
-60°	66.1	44.1	27.9	15.0	7.3	2.2	0.0
-62.5°	56.1	38.2	24.3	13.1	6.5	1.8	0.0
-65°	47.3	33.0	20.6	11.2	5.7	1.4	0.0
-67.5°	39.8	28.0	17.2	9.5	4.9	1.2	0.0
-70°	33.5	22.9	14.0	8.1	4.1	1.1	0.0
-72.5°	27.2	18.1	10.7	6.6	3.4	0.9	0.0
-75°	20.7	13.3	8.6	5.2	2.6	0.8	0.0
-77.5°	14.2	9.7	6.5	4.1	1.8	0.7	0.0
-80°	9.6	6.8	4.7	2.9	1.3	0.5	0.0
-82.5°	6.1	4.6	3.2	1.8	1.0	0.4	0.0
-85°	3.7	2.6	1.8	1.2	0.7	0.3	0.0
-87.5°	1.7	1.3	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)