

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: P622892 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF120-XX-PC-120W-7040**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622892 (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-7040
Description: Flood light with selectable wattage and CCT
Light Source: (1) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

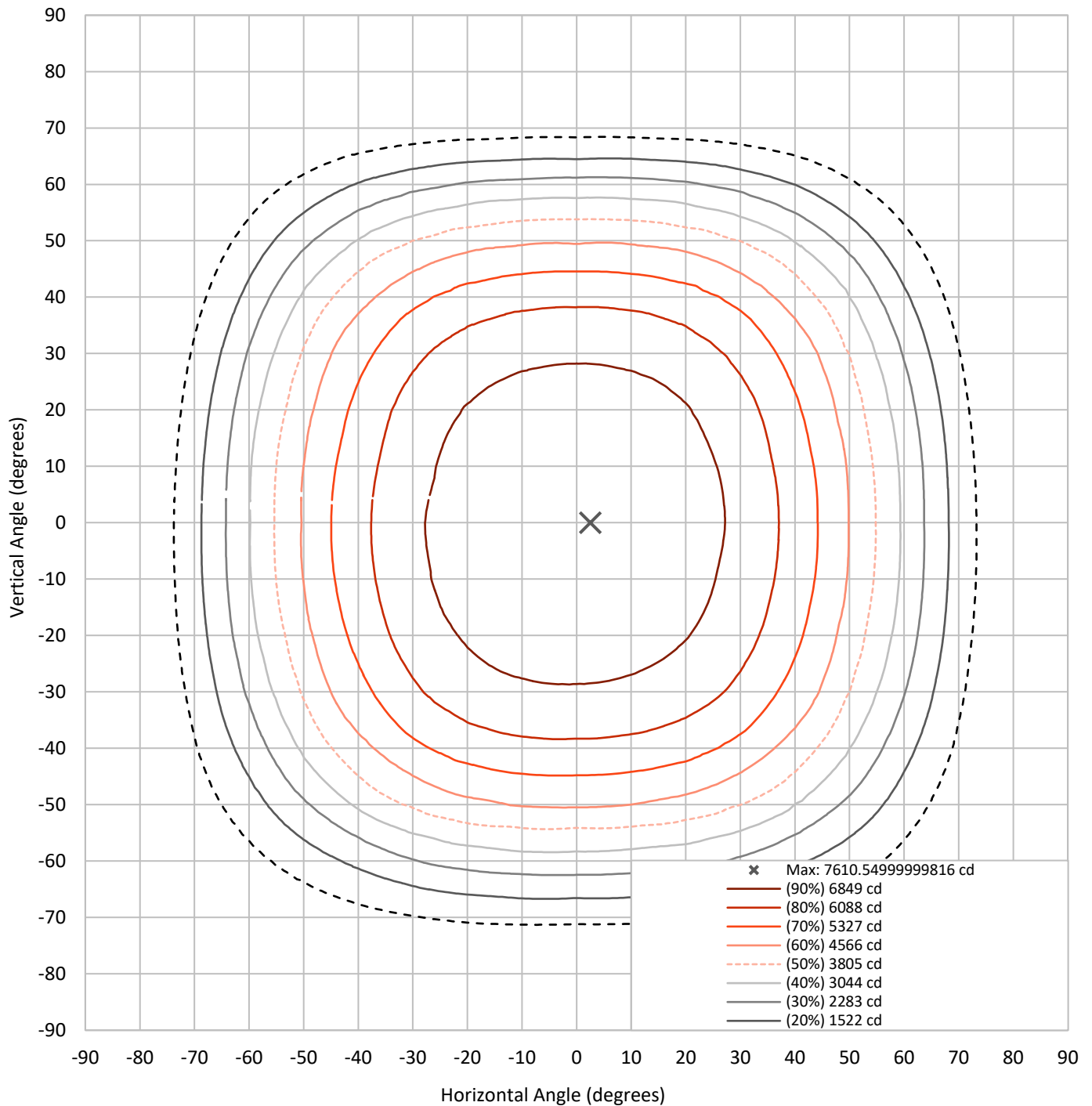
Lumens per Lamp: N/A
Luminaire Lumens: 20212.7 lumens
Efficiency: N/A
Efficacy: 161.7 lumens/watt
Luminous Opening: Rectangular (W 0.18m x L: 2.6m x H: 0m)
NEMA Type: 7H x 7V
Max Intensity: 7610.5 candela
Max Intensity Angle: 2.5°H x 0°V
Beam Angle (50%): 110.3°H x 108°V
Beam Lumens: 16347.4 lumens
Beam Efficiency: 80.9%
Field Angle (10%): 147°H x 139.6°V
Field Lumens: 19877 lumens
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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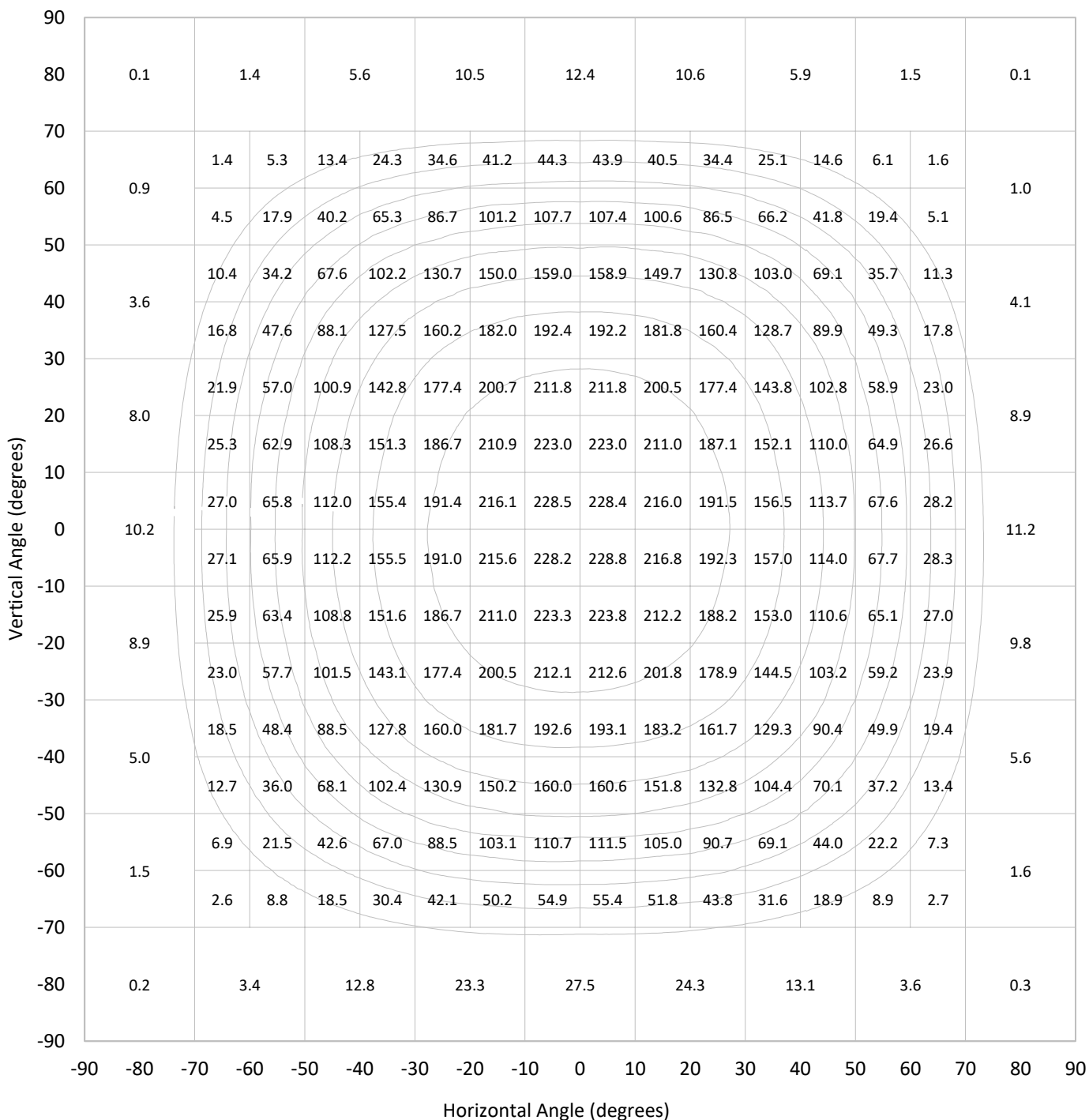
Iso-Candela Plot





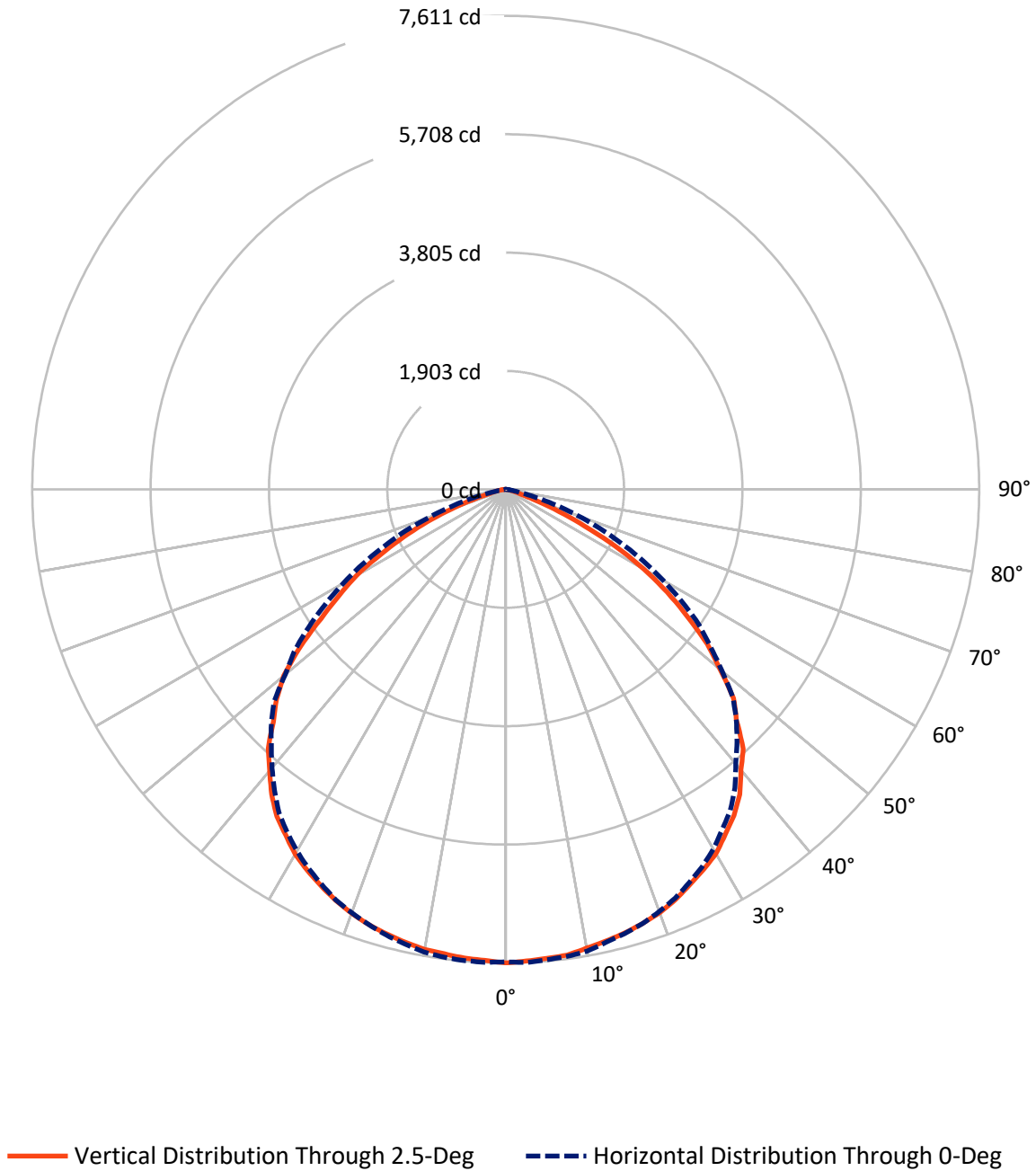
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Lumen Table



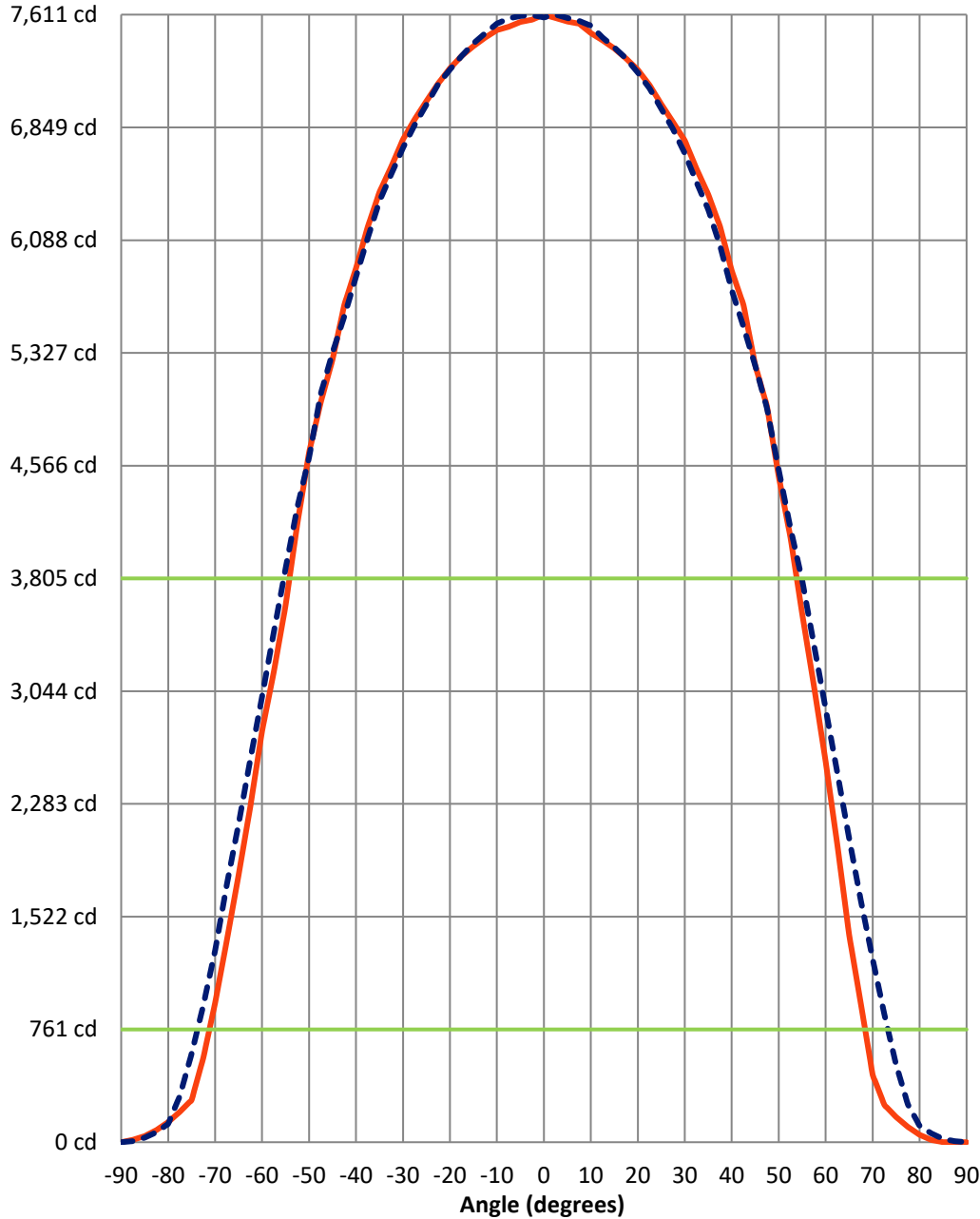
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 110.3°
 V Angle: 108°
 Lumens: 16347.4
 Efficiency: 80.9%

Field:
 H Angle: 147°
 V Angle: 139.6°
 Lumens: 19877
 Efficiency: 98.3%

Spill:
 Lumens: 335.8
 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	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.4	0.7	0.9	1.0	1.1	1.0	1.1	1.2	1.2	1.3
82.5°	0.0	0.6	1.1	1.4	1.7	1.8	1.8	2.6	3.2	3.5	3.8
80°	0.0	0.8	1.5	2.1	2.5	3.1	4.3	5.4	6.5	7.7	9.0
77.5°	0.0	1.1	1.9	2.7	3.6	5.4	7.1	8.7	10.4	12.2	14.8
75°	0.0	1.3	2.4	3.4	5.5	8.0	10.0	12.0	14.7	19.3	24.4
72.5°	0.0	1.5	2.9	4.6	7.4	10.9	13.0	16.5	22.7	30.8	40.0
70°	0.0	1.7	3.4	6.0	10.1	13.9	16.6	24.2	34.3	46.5	60.0
67.5°	0.0	1.9	3.9	7.4	12.9	17.0	23.7	34.5	49.0	65.2	82.5
65°	0.0	2.1	4.6	9.3	15.7	21.5	31.8	46.8	65.6	85.0	105.5
62.5°	0.0	2.4	5.5	11.6	18.5	27.1	41.0	61.3	82.6	105.0	133.2
60°	0.0	2.6	6.4	13.9	21.4	33.6	52.5	75.8	99.4	127.8	174.4
57.5°	0.0	2.9	7.3	16.2	25.7	41.1	64.4	89.9	118.6	158.3	241.4
55°	0.0	3.1	8.1	18.5	29.9	49.1	76.3	103.9	141.0	207.8	343.7
52.5°	0.0	3.4	9.1	20.8	34.4	58.5	87.9	121.8	166.5	284.0	465.3
50°	0.0	3.6	10.7	23.1	40.0	67.5	99.7	142.1	210.8	380.3	580.2
47.5°	0.0	3.9	12.2	25.5	45.4	76.5	112.1	167.8	274.4	484.6	708.3
45°	0.0	4.1	13.7	28.3	50.9	85.3	129.5	201.8	357.0	584.1	838.9
42.5°	0.0	4.3	15.1	31.0	57.4	94.1	147.1	242.6	446.3	690.2	965.4
40°	0.0	4.5	16.5	33.6	63.5	103.0	171.9	299.3	531.6	799.5	1087.3
37.5°	0.0	4.7	17.9	36.1	69.3	111.6	197.2	363.0	613.9	903.3	1202.5
35°	0.0	5.0	19.2	39.2	75.0	123.8	227.1	426.9	695.2	1001.1	1319.8
32.5°	0.0	5.3	20.5	42.3	80.6	137.7	259.0	489.3	772.4	1092.1	1439.3
30°	0.0	5.6	21.7	45.4	85.7	151.3	289.8	548.5	846.0	1176.0	1545.4
27.5°	0.0	5.8	22.9	48.2	90.6	166.1	331.0	606.6	917.2	1253.4	1643.7
25°	0.0	6.1	24.0	50.8	95.3	184.7	371.3	660.8	982.5	1333.2	1740.6
22.5°	0.0	6.3	25.0	53.3	100.1	202.7	408.5	709.5	1040.1	1409.5	1828.3
20°	0.0	6.5	26.0	55.7	104.5	220.0	443.2	750.8	1091.7	1477.5	1901.6
17.5°	0.0	6.7	26.9	58.1	108.6	236.4	475.6	786.7	1137.3	1537.4	1965.1
15°	0.0	6.9	27.7	60.2	112.2	252.3	504.2	817.2	1177.7	1590.1	2019.5
12.5°	0.0	7.0	28.4	62.1	115.3	267.2	529.2	845.2	1212.1	1635.2	2064.9
10°	0.0	7.1	29.1	63.6	118.1	280.4	550.4	872.0	1240.6	1672.9	2100.3
7.5°	0.0	7.2	29.7	64.9	120.4	291.7	567.9	893.4	1263.0	1702.3	2126.0
5°	0.0	7.3	30.1	66.0	122.2	301.2	581.7	909.5	1279.5	1723.3	2142.3
2.5°	0.0	7.4	30.5	66.7	123.5	308.6	591.8	920.2	1289.8	1735.9	2149.7
0°	0.0	7.4	30.8	67.2	124.3	313.9	598.3	925.7	1294.2	1740.3	2148.5
-2.5°	0.0	7.4	30.8	67.3	125.0	315.3	600.8	928.3	1299.4	1743.3	2152.7
-5°	0.0	7.4	30.8	67.2	125.1	314.6	599.6	925.5	1298.5	1738.2	2148.8
-7.5°	0.0	7.4	30.6	66.8	124.6	311.6	594.9	917.5	1291.3	1725.0	2136.7
-10°	0.0	7.4	30.4	66.1	123.6	306.5	586.5	904.2	1277.6	1703.8	2116.5
-12.5°	0.0	7.3	30.0	65.1	121.9	299.2	574.4	885.6	1257.5	1675.1	2088.2
-15°	0.0	7.2	29.6	63.8	119.6	289.7	558.7	866.6	1230.7	1640.4	2051.9
-17.5°	0.0	7.1	29.0	62.3	116.6	278.2	539.4	846.5	1197.3	1599.4	2007.6
-20°	0.0	7.0	28.4	60.5	113.0	264.7	516.4	821.9	1160.3	1552.7	1955.3

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Scaled Data Report



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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	6.8	27.6	58.6	108.6	249.1	489.8	792.9	1117.8	1497.6	1895.0
-25°	0.0	6.7	26.8	56.7	103.5	231.4	459.3	756.2	1069.3	1434.8	1819.8
-27.5°	0.0	6.4	25.9	54.5	99.2	211.7	425.1	713.5	1013.5	1366.0	1736.7
-30°	0.0	6.2	24.9	52.1	95.0	193.8	388.9	667.6	951.9	1292.0	1658.6
-32.5°	0.0	6.0	23.8	49.4	90.4	175.3	360.3	620.0	892.4	1213.0	1574.2
-35°	0.0	5.7	22.6	46.6	85.5	154.6	329.5	569.1	834.7	1132.7	1473.7
-37.5°	0.0	5.4	21.3	43.8	80.4	136.2	296.6	513.4	771.7	1046.1	1356.4
-40°	0.0	5.2	20.0	41.6	75.3	124.7	261.7	452.5	705.4	953.9	1236.3
-42.5°	0.0	5.0	18.6	39.2	69.9	112.2	224.7	395.6	634.8	862.9	1118.5
-45°	0.0	4.8	17.1	36.6	64.1	101.7	190.2	349.9	559.6	769.7	994.6
-47.5°	0.0	4.5	15.6	33.8	58.9	93.5	153.1	301.9	475.6	678.9	871.0
-50°	0.0	4.3	14.0	31.3	53.6	85.0	131.3	252.0	397.3	582.8	753.3
-52.5°	0.0	4.0	12.3	28.8	48.0	76.7	111.2	201.3	334.8	479.3	649.6
-55°	0.0	3.8	11.2	26.2	43.4	68.2	98.9	151.3	271.3	386.1	543.2
-57.5°	0.0	3.5	10.1	23.5	38.9	60.3	87.5	124.2	207.4	315.1	421.0
-60°	0.0	3.2	9.1	20.8	34.3	52.5	76.5	103.8	149.6	243.4	337.0
-62.5°	0.0	2.9	8.0	18.0	30.5	45.5	65.6	89.5	117.1	172.0	258.9
-65°	0.0	2.6	6.8	15.1	26.8	39.0	55.7	75.7	98.0	128.3	181.3
-67.5°	0.0	2.3	5.8	12.6	22.9	33.2	46.5	62.8	81.2	101.9	130.0
-70°	0.0	2.1	5.1	10.6	18.9	28.4	37.9	50.9	65.7	82.2	100.7
-72.5°	0.0	1.8	4.4	8.5	14.9	23.5	31.7	40.4	51.7	64.7	78.7
-75°	0.0	1.6	3.7	6.5	11.8	18.5	25.8	32.5	39.5	49.3	59.7
-77.5°	0.0	1.3	2.9	5.3	8.5	13.8	19.8	25.5	31.0	36.6	43.5
-80°	0.0	1.1	2.3	4.1	6.2	9.2	13.9	18.3	22.8	27.3	31.8
-82.5°	0.0	0.8	1.7	2.8	4.4	6.2	8.2	11.2	14.5	17.9	21.3
-85°	0.0	0.5	1.2	1.9	2.7	3.7	5.0	6.3	7.6	8.9	10.8
-87.5°	0.0	0.3	0.6	0.9	1.4	1.8	2.3	2.8	3.4	4.0	4.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: LSF120-XX-PC-120W-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°	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4
85°	1.3	1.1	1.1	1.1	1.1	1.3	1.2	0.8	0.8	0.8	0.7
82.5°	4.5	5.3	5.9	6.3	6.6	6.8	6.8	6.8	7.7	8.7	9.6
80°	10.3	11.8	12.7	13.5	14.5	17.1	19.2	21.1	24.2	27.0	29.5
77.5°	17.2	20.2	24.7	29.1	34.1	38.6	44.1	48.7	54.3	60.9	67.0
75°	30.6	37.8	44.9	54.5	63.0	71.7	80.0	87.9	96.0	105.1	113.0
72.5°	49.8	62.4	74.7	86.3	97.6	109.7	123.6	135.9	146.5	160.0	172.7
70°	75.0	90.1	105.1	123.2	144.2	171.0	192.5	204.3	243.0	284.8	317.8
67.5°	100.3	119.1	149.2	190.7	233.9	278.7	334.5	396.0	465.6	516.0	567.5
65°	130.5	170.7	235.7	302.3	386.2	463.2	556.7	653.3	745.4	816.1	883.5
62.5°	180.0	260.2	368.9	473.2	574.6	693.7	808.4	918.4	1024.7	1170.3	1275.6
60°	263.2	390.9	524.3	659.2	796.7	929.6	1060.8	1250.4	1413.8	1566.0	1703.0
57.5°	382.8	534.5	697.7	864.5	1016.5	1189.5	1418.6	1596.1	1793.5	1969.6	2106.2
55°	515.7	692.8	882.6	1067.1	1287.1	1523.6	1732.7	1954.3	2139.4	2345.3	2461.5
52.5°	651.6	861.4	1064.8	1315.3	1583.8	1814.7	2057.3	2278.1	2465.1	2708.1	2945.3
50°	803.3	1026.3	1265.8	1578.4	1845.8	2113.4	2360.5	2559.0	2860.6	3072.8	3283.1
47.5°	951.2	1189.0	1514.7	1801.0	2115.3	2390.7	2627.2	2936.7	3151.4	3429.4	3717.9
45°	1094.9	1395.7	1706.8	2034.5	2354.4	2628.3	2959.4	3199.7	3503.4	3772.9	3973.0
42.5°	1233.7	1575.4	1906.5	2249.8	2560.8	2937.1	3205.1	3509.3	3795.1	4021.7	4201.6
40°	1402.8	1742.4	2099.4	2453.4	2812.4	3133.6	3469.3	3773.1	4035.3	4231.3	4522.4
37.5°	1548.8	1907.8	2280.8	2613.0	2997.6	3348.5	3687.9	4013.1	4225.4	4538.7	4764.2
35°	1682.7	2063.3	2449.1	2830.1	3174.1	3529.4	3897.5	4184.1	4504.5	4761.3	4972.7
32.5°	1817.1	2211.5	2570.7	2976.7	3352.8	3716.6	4047.2	4377.4	4724.4	4946.4	5149.3
30°	1938.5	2352.7	2731.2	3115.2	3483.5	3873.1	4181.0	4572.2	4865.6	5084.2	5296.8
27.5°	2050.6	2465.2	2863.0	3253.0	3634.5	3979.8	4358.8	4688.5	4987.5	5197.7	5440.2
25°	2155.0	2549.8	2975.9	3364.7	3758.1	4096.5	4487.6	4816.9	5078.6	5327.6	5568.7
22.5°	2247.8	2653.1	3068.5	3440.2	3843.5	4225.0	4569.8	4929.4	5170.7	5417.5	5673.9
20°	2328.8	2743.3	3159.5	3558.9	3908.5	4330.6	4661.7	5009.4	5261.2	5508.1	5749.2
17.5°	2394.9	2823.5	3247.1	3648.6	4007.0	4395.6	4768.8	5075.5	5325.2	5574.2	5827.5
15°	2448.7	2894.4	3309.6	3714.2	4090.1	4460.7	4857.3	5134.4	5377.7	5620.3	5915.3
12.5°	2496.4	2943.8	3355.7	3772.3	4158.8	4514.2	4924.4	5193.0	5433.7	5674.9	5947.4
10°	2536.4	2976.6	3394.0	3811.2	4213.7	4569.4	4972.7	5241.5	5482.7	5744.2	5990.9
7.5°	2563.8	2999.0	3425.2	3841.2	4251.5	4609.5	5013.1	5278.8	5520.6	5794.4	6033.7
5°	2580.4	3011.4	3443.3	3861.8	4274.9	4629.7	5036.5	5306.4	5549.4	5827.0	6069.8
2.5°	2587.0	3014.4	3448.5	3872.3	4286.5	4632.7	5049.4	5323.6	5567.4	5842.6	6093.2
0°	2584.5	3008.3	3442.6	3871.9	4284.5	4621.5	5051.6	5329.5	5573.6	5841.8	6103.2
-2.5°	2590.6	3017.6	3449.7	3874.5	4290.0	4635.2	5055.1	5329.3	5575.2	5849.0	6103.0
-5°	2587.4	3017.3	3445.6	3866.1	4282.1	4634.9	5048.0	5317.5	5564.2	5839.1	6089.9
-7.5°	2573.5	3006.0	3428.3	3847.4	4263.2	4617.6	5031.0	5294.2	5540.6	5810.6	6065.0
-10°	2548.2	2982.7	3397.9	3818.8	4228.0	4580.9	4995.8	5259.9	5508.0	5763.2	6034.2
-12.5°	2512.4	2946.4	3363.4	3781.1	4171.1	4529.2	4951.4	5216.7	5463.3	5713.1	5994.4
-15°	2470.7	2896.5	3322.9	3724.5	4096.8	4478.5	4884.3	5166.2	5410.3	5665.2	5941.5
-17.5°	2424.3	2839.8	3267.0	3660.8	4019.0	4418.0	4788.6	5111.5	5350.5	5610.3	5857.7
-20°	2361.1	2779.9	3185.8	3570.3	3926.7	4359.8	4681.3	5043.6	5275.4	5524.1	5787.6



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CATALOG NUMBER: LSF120-XX-PC-120W-7040

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2279.2	2688.1	3092.3	3448.7	3861.9	4243.4	4590.7	4953.5	5200.0	5433.1	5710.7
-25°	2194.4	2581.3	2978.5	3384.5	3775.1	4112.6	4509.6	4834.5	5110.7	5322.4	5567.1
-27.5°	2111.6	2510.9	2889.4	3282.4	3643.5	4004.3	4378.9	4707.4	5004.7	5224.1	5442.2
-30°	2020.8	2398.6	2775.2	3143.2	3489.9	3901.2	4199.6	4592.3	4882.6	5106.8	5311.7
-32.5°	1918.9	2253.8	2606.7	2989.1	3379.5	3722.4	4077.3	4393.7	4743.4	4960.4	5178.2
-35°	1800.0	2134.1	2489.0	2871.7	3205.2	3532.9	3925.2	4210.1	4522.9	4775.2	4990.0
-37.5°	1675.9	2006.5	2323.2	2651.0	3020.0	3376.5	3685.2	4059.4	4256.2	4564.3	4773.7
-40°	1537.8	1866.8	2169.2	2484.9	2850.0	3162.9	3492.5	3781.3	4079.7	4269.9	4554.6
-42.5°	1396.3	1704.2	2015.0	2296.9	2595.5	2969.5	3247.9	3540.3	3814.6	4068.9	4248.4
-45°	1254.4	1519.1	1849.4	2122.4	2390.3	2674.7	2997.1	3271.8	3551.6	3802.3	4024.4
-47.5°	1110.9	1356.5	1623.5	1940.4	2192.5	2420.0	2696.3	2981.0	3243.2	3510.0	3757.9
-50°	961.2	1195.0	1419.3	1711.7	1983.6	2186.2	2394.7	2657.3	2920.2	3154.6	3407.0
-52.5°	810.5	1024.6	1243.1	1444.3	1731.1	1942.7	2131.8	2325.4	2560.6	2803.7	2993.3
-55°	683.2	847.9	1052.5	1252.5	1425.0	1662.3	1860.7	2032.5	2208.5	2391.1	2625.1
-57.5°	569.1	688.6	851.9	1040.1	1204.4	1366.2	1542.3	1736.8	1884.9	2041.5	2204.6
-60°	440.7	567.1	668.3	815.2	979.2	1118.3	1265.3	1405.1	1560.7	1700.5	1841.5
-62.5°	339.1	430.5	541.4	626.8	737.1	883.5	1007.9	1106.6	1254.3	1364.6	1487.8
-65°	255.6	323.6	391.5	488.1	563.2	638.4	750.9	865.5	959.4	1034.6	1144.5
-67.5°	172.8	235.7	292.0	341.0	405.6	471.2	539.8	601.2	684.0	775.6	852.6
-70°	122.9	154.3	200.0	240.6	281.5	321.2	365.2	402.8	462.2	517.2	564.5
-72.5°	93.7	112.2	133.3	154.5	182.8	206.7	238.4	268.8	299.3	330.2	360.2
-75°	71.0	83.4	95.6	109.9	123.6	138.5	151.1	161.4	170.3	196.9	215.8
-77.5°	51.6	60.3	69.2	78.2	87.7	96.9	106.9	115.9	124.6	133.2	141.5
-80°	36.4	41.0	47.0	53.0	59.1	65.7	72.0	78.3	84.5	90.2	95.7
-82.5°	24.8	28.2	31.4	34.6	37.7	40.8	44.1	48.2	51.8	55.1	58.3
-85°	13.1	15.4	17.5	19.6	21.7	23.8	25.8	27.7	29.4	31.0	32.5
-87.5°	5.4	6.1	6.7	7.4	8.0	8.6	9.2	9.8	10.3	10.8	11.3
-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: P622892 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-120W-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
85°	1.1	1.6	2.0	2.2	2.1	1.9	1.6	1.1	0.5	0.5	0.5
82.5°	10.7	11.6	12.1	12.3	12.5	12.6	13.0	13.7	14.1	14.7	15.0
80°	32.2	34.8	37.0	39.3	41.5	44.0	45.8	47.1	47.8	48.9	49.8
77.5°	72.5	77.5	81.9	85.9	89.5	92.6	95.2	97.4	99.0	100.9	102.3
75°	120.8	128.4	135.0	141.6	147.4	152.2	156.1	159.5	161.8	164.9	167.6
72.5°	190.6	204.7	209.0	211.9	219.5	226.2	232.1	236.7	240.1	244.0	247.5
70°	334.4	332.1	336.7	373.4	408.4	419.4	411.9	393.3	399.7	424.9	449.8
67.5°	615.8	658.7	700.7	741.0	779.1	810.5	835.3	853.2	863.9	882.3	905.5
65°	960.1	1037.3	1089.0	1129.2	1205.0	1260.0	1300.3	1328.0	1345.7	1370.8	1398.2
62.5°	1367.2	1473.7	1565.1	1650.7	1735.8	1791.5	1831.1	1866.6	1878.0	1886.3	1920.0
60°	1825.4	1942.5	2028.7	2103.9	2186.6	2283.4	2357.4	2401.2	2453.2	2475.8	2493.4
57.5°	2236.6	2336.1	2513.4	2624.4	2688.9	2770.3	2847.2	2936.8	2976.8	2984.4	3016.9
55°	2687.0	2828.4	2933.5	3069.7	3161.1	3199.9	3304.7	3395.5	3459.9	3490.1	3513.7
52.5°	3054.2	3241.6	3378.9	3480.3	3621.0	3741.8	3770.8	3827.4	3894.8	3966.5	4027.4
50°	3530.9	3657.9	3808.7	3911.0	4003.9	4151.0	4291.5	4331.0	4350.0	4360.0	4422.6
47.5°	3865.4	3992.4	4110.6	4325.5	4481.0	4569.7	4629.0	4720.4	4797.3	4858.9	4896.3
45°	4131.8	4323.9	4523.4	4654.9	4765.2	4854.9	4957.6	5060.9	5133.2	5155.8	5174.5
42.5°	4459.5	4649.9	4799.5	4933.2	5070.5	5235.9	5337.6	5368.1	5431.1	5525.6	5587.0
40°	4729.3	4915.6	5095.3	5248.8	5410.2	5481.2	5571.8	5672.2	5759.8	5786.8	5791.6
37.5°	4966.4	5200.6	5357.5	5516.3	5608.4	5723.6	5869.8	5916.8	5999.2	6067.6	6106.8
35°	5188.9	5394.9	5596.7	5691.6	5852.7	5963.3	6087.8	6154.1	6200.3	6277.6	6336.0
32.5°	5366.6	5574.1	5724.1	5914.1	6041.6	6165.1	6227.1	6322.0	6413.7	6466.4	6500.7
30°	5525.2	5712.2	5910.9	6070.5	6205.8	6280.3	6412.2	6518.6	6590.2	6628.1	6685.0
27.5°	5665.7	5865.7	6051.0	6207.3	6319.7	6453.1	6558.9	6634.4	6697.7	6767.4	6807.2
25°	5799.6	5996.6	6174.3	6309.0	6455.4	6566.7	6671.1	6761.4	6843.1	6893.3	6961.5
22.5°	5887.3	6112.2	6268.9	6426.7	6561.7	6686.6	6784.0	6881.3	6961.3	7030.4	7061.4
20°	5999.2	6191.3	6367.5	6526.5	6659.7	6776.2	6900.6	6976.8	7048.4	7122.3	7169.0
17.5°	6060.8	6264.1	6442.7	6613.3	6743.4	6861.5	6961.0	7056.2	7136.6	7202.5	7240.5
15°	6110.6	6326.3	6513.0	6664.6	6803.8	6923.0	7025.0	7118.8	7200.0	7257.2	7316.8
12.5°	6164.1	6368.3	6555.9	6720.7	6848.0	6969.1	7080.2	7168.8	7244.2	7322.2	7372.5
10°	6221.7	6400.7	6583.0	6750.2	6891.4	7016.9	7120.2	7208.9	7286.9	7362.7	7412.9
7.5°	6268.9	6459.0	6623.1	6774.2	6908.9	7052.7	7157.6	7247.8	7331.0	7400.6	7453.0
5°	6305.6	6497.5	6670.5	6814.2	6960.1	7090.5	7187.1	7275.0	7367.7	7428.5	7488.5
2.5°	6335.3	6520.9	6698.6	6848.0	6990.2	7119.0	7217.1	7308.7	7395.1	7458.1	7501.7
0°	6352.4	6533.2	6711.1	6866.5	7003.2	7140.7	7239.8	7332.0	7416.5	7484.9	7549.7
-2.5°	6345.9	6532.5	6708.6	6864.2	7004.3	7131.8	7238.4	7333.0	7415.0	7486.2	7541.0
-5°	6326.3	6519.5	6692.2	6844.2	6990.3	7113.9	7227.0	7324.3	7395.3	7459.3	7518.6
-7.5°	6298.7	6492.1	6659.5	6817.6	6956.5	7087.7	7199.3	7293.5	7363.3	7423.1	7475.6
-10°	6260.0	6447.7	6629.0	6795.2	6949.0	7059.4	7165.0	7261.1	7330.3	7386.8	7436.1
-12.5°	6204.4	6415.1	6602.5	6750.2	6893.7	7011.2	7132.3	7211.8	7291.8	7362.0	7404.1
-15°	6154.2	6373.1	6545.7	6697.7	6852.1	6983.9	7075.4	7168.3	7247.3	7298.0	7353.2
-17.5°	6104.2	6300.7	6482.2	6660.9	6773.2	6896.3	7015.1	7108.7	7175.6	7238.6	7276.4
-20°	6019.2	6230.3	6416.3	6558.8	6712.5	6820.0	6921.3	7028.7	7087.4	7155.1	7204.5

Classified

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

Scaled Data Report



REPORT NUMBER: P622892 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-120W-7040

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5922.5	6147.6	6314.7	6488.3	6603.0	6740.4	6836.2	6914.3	6998.7	7041.2	7095.9
-25°	5832.4	6019.8	6216.5	6366.6	6514.9	6616.5	6736.6	6822.9	6891.2	6933.1	6983.2
-27.5°	5693.6	5905.7	6092.0	6255.7	6391.7	6509.7	6608.0	6689.9	6783.6	6831.3	6858.1
-30°	5544.1	5754.7	5954.5	6131.1	6252.1	6355.8	6469.7	6568.0	6629.2	6670.9	6721.2
-32.5°	5380.6	5607.8	5771.9	5958.9	6106.4	6200.0	6286.3	6387.6	6461.1	6502.7	6538.3
-35°	5219.1	5419.3	5642.3	5747.0	5892.4	6019.5	6134.3	6195.5	6251.2	6321.9	6370.4
-37.5°	4985.5	5228.7	5396.4	5557.3	5667.1	5781.0	5907.7	5976.7	6051.1	6098.5	6135.7
-40°	4736.5	4922.3	5139.6	5300.0	5429.7	5539.9	5628.2	5727.1	5795.5	5831.9	5855.0
-42.5°	4510.2	4665.4	4818.1	4988.1	5134.7	5292.8	5365.1	5421.4	5487.2	5573.1	5620.7
-45°	4186.1	4399.4	4562.0	4698.6	4818.1	4927.0	5031.6	5127.8	5195.1	5224.5	5250.3
-47.5°	3922.8	4061.4	4243.1	4418.1	4535.9	4642.6	4731.0	4805.4	4866.6	4915.4	4951.4
-50°	3617.5	3769.2	3883.8	4010.8	4194.5	4322.2	4371.5	4415.6	4485.8	4577.4	4619.1
-52.5°	3182.5	3331.5	3538.2	3679.6	3769.3	3826.3	3933.9	4036.8	4106.3	4115.6	4141.2
-55°	2772.3	2910.1	3041.6	3146.1	3281.1	3455.1	3512.8	3543.3	3545.9	3551.0	3629.2
-57.5°	2365.0	2537.6	2632.2	2723.1	2823.3	2915.0	2987.0	3033.9	3092.4	3144.1	3184.9
-60°	1979.6	2111.8	2236.0	2352.9	2442.3	2481.2	2516.6	2599.6	2681.9	2728.8	2747.9
-62.5°	1612.5	1722.2	1827.5	1925.3	2010.2	2086.1	2140.8	2179.3	2202.6	2219.4	2242.9
-65°	1237.8	1329.7	1428.9	1522.9	1586.0	1642.6	1682.0	1707.7	1730.9	1776.9	1813.2
-67.5°	921.8	987.4	1048.2	1090.9	1151.1	1210.4	1257.1	1291.7	1314.5	1337.2	1361.8
-70°	620.4	677.4	727.8	774.8	812.8	850.1	884.1	912.8	928.7	941.1	950.2
-72.5°	394.6	425.4	450.1	476.7	499.4	521.7	541.1	555.9	565.9	574.2	579.9
-75°	234.6	255.3	274.6	291.1	301.6	306.6	306.5	302.0	293.4	293.1	294.1
-77.5°	149.7	157.8	165.5	171.9	177.7	182.9	187.3	191.2	195.2	199.5	202.8
-80°	101.1	106.3	111.1	115.1	118.9	122.5	125.5	128.0	130.0	132.0	133.6
-82.5°	61.6	64.8	67.8	70.2	72.2	74.0	75.7	77.3	78.6	79.8	80.7
-85°	33.9	35.3	36.5	37.5	38.3	39.1	39.7	40.2	40.6	41.0	41.3
-87.5°	12.0	12.8	13.4	14.0	14.4	14.8	15.2	15.5	15.8	16.0	16.2
-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: P622892 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-120W-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°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	1.0
82.5°	15.3	15.3	15.2	15.0	15.1	15.2	15.1	14.8	14.4	13.8	13.3
80°	50.2	50.4	50.2	49.7	50.1	50.1	49.9	49.3	48.3	47.2	46.3
77.5°	103.3	103.7	103.5	102.9	103.4	103.5	103.0	102.0	100.4	98.4	96.3
75°	169.4	170.2	170.2	169.3	170.0	169.8	168.7	166.8	164.0	160.7	158.1
72.5°	250.0	251.5	251.9	251.3	251.9	251.4	249.8	246.9	243.0	239.0	236.2
70°	462.0	463.3	455.4	440.2	455.4	464.4	466.2	460.1	445.2	429.7	422.5
67.5°	921.5	929.8	930.1	922.1	932.2	933.8	927.2	912.6	890.3	874.4	865.4
65°	1410.8	1409.8	1396.3	1371.7	1399.2	1415.2	1418.1	1406.3	1378.4	1348.1	1326.3
62.5°	1957.2	1980.6	1990.2	1986.3	2002.4	2007.0	2002.0	1989.3	1961.7	1933.8	1907.0
60°	2516.4	2538.6	2554.1	2556.8	2567.6	2563.8	2549.7	2529.7	2508.0	2471.8	2417.7
57.5°	3055.6	3074.6	3075.3	3062.4	3079.5	3082.3	3065.4	3027.6	2999.0	2987.3	2945.5
55°	3536.5	3554.0	3563.8	3563.1	3566.0	3558.2	3542.2	3520.3	3496.5	3475.9	3438.3
52.5°	4061.6	4074.3	4079.2	4070.5	4081.9	4080.2	4071.3	4047.7	4008.0	3952.1	3852.4
50°	4477.9	4496.6	4485.9	4453.3	4494.1	4512.4	4500.3	4450.0	4384.5	4360.6	4335.0
47.5°	4931.2	4953.4	4964.0	4963.3	4966.7	4959.0	4940.3	4907.1	4866.9	4806.6	4737.6
45°	5212.5	5235.5	5244.1	5239.3	5245.2	5238.2	5217.8	5183.8	5166.1	5150.3	5074.8
42.5°	5630.2	5644.5	5650.9	5647.1	5650.0	5641.5	5623.7	5587.3	5534.8	5438.1	5375.2
40°	5835.4	5862.4	5871.8	5867.5	5882.5	5880.6	5855.1	5804.0	5791.6	5763.1	5701.2
37.5°	6129.3	6165.2	6179.4	6176.7	6180.7	6168.4	6135.0	6115.3	6081.3	6028.0	5927.0
35°	6365.3	6383.3	6396.2	6401.0	6396.5	6383.6	6365.1	6339.4	6285.2	6207.6	6157.0
32.5°	6530.8	6552.4	6564.9	6563.4	6570.3	6567.3	6548.4	6499.4	6459.5	6414.5	6342.9
30°	6737.4	6739.4	6755.2	6769.2	6760.4	6742.3	6723.2	6684.3	6629.3	6587.0	6513.9
27.5°	6839.2	6866.4	6882.7	6882.2	6884.8	6874.4	6847.3	6813.8	6770.4	6739.6	6635.5
25°	6978.8	6994.6	7005.3	7005.5	7005.8	6995.7	6980.1	6965.1	6901.1	6857.8	6768.5
22.5°	7111.0	7133.2	7138.4	7135.0	7134.5	7120.3	7101.0	7061.3	7030.2	6969.9	6888.8
20°	7208.6	7230.4	7231.8	7234.1	7238.4	7237.6	7213.3	7172.7	7120.8	7048.0	6977.9
17.5°	7290.1	7310.3	7319.1	7319.8	7314.5	7307.4	7289.3	7253.7	7198.8	7131.7	7052.4
15°	7356.7	7368.6	7381.5	7387.2	7381.9	7366.0	7350.0	7319.0	7254.3	7186.4	7121.0
12.5°	7407.2	7429.9	7435.6	7436.0	7436.9	7432.0	7405.1	7364.9	7307.3	7244.4	7169.3
10°	7449.8	7471.7	7488.7	7485.2	7486.1	7477.4	7460.8	7408.3	7358.9	7299.0	7218.2
7.5°	7502.0	7519.3	7530.3	7528.5	7549.4	7525.0	7508.0	7468.6	7404.1	7342.8	7259.5
5°	7525.9	7558.6	7567.6	7566.0	7564.2	7553.6	7541.3	7503.2	7446.2	7373.6	7290.3
2.5°	7540.7	7563.3	7579.0	7578.7	7587.6	7577.9	7564.7	7513.6	7460.7	7385.9	7307.7
0°	7585.2	7601.3	7607.4	7592.0	7610.5	7588.1	7568.4	7535.8	7456.1	7388.7	7314.4
-2.5°	7577.1	7587.2	7597.5	7590.8	7576.8	7558.1	7538.1	7490.0	7440.4	7370.1	7298.7
-5°	7548.8	7567.1	7573.0	7558.1	7561.0	7535.6	7526.9	7470.4	7413.9	7345.5	7274.0
-7.5°	7522.6	7530.5	7536.4	7531.4	7528.7	7505.2	7498.0	7448.4	7381.3	7321.7	7243.5
-10°	7478.8	7501.1	7508.2	7520.5	7505.9	7482.4	7456.6	7421.2	7358.5	7293.4	7216.1
-12.5°	7449.3	7457.7	7465.2	7470.8	7455.6	7438.1	7419.1	7374.5	7322.3	7253.6	7179.9
-15°	7393.8	7403.9	7407.1	7399.3	7397.5	7389.1	7355.7	7311.3	7267.2	7197.4	7116.8
-17.5°	7312.0	7336.5	7342.4	7338.5	7331.9	7315.5	7291.5	7250.6	7196.9	7127.9	7055.8
-20°	7228.8	7249.5	7261.6	7254.3	7248.3	7229.7	7205.0	7169.2	7114.2	7047.2	6985.8

Classified

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

Scaled Data Report



REPORT NUMBER: P622892 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-120W-7040

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7131.4	7141.5	7151.7	7145.9	7146.0	7133.6	7112.1	7069.1	7016.1	6956.9	6872.1
-25°	7001.4	7030.0	7035.6	7023.0	7027.0	7014.5	6982.7	6953.9	6893.5	6836.8	6763.0
-27.5°	6887.8	6908.9	6912.1	6905.2	6904.4	6891.3	6862.2	6821.6	6777.5	6722.6	6639.4
-30°	6755.3	6768.4	6779.0	6781.1	6768.0	6746.2	6721.5	6681.0	6630.7	6578.2	6512.8
-32.5°	6573.7	6591.2	6594.2	6585.6	6584.3	6572.4	6546.0	6501.5	6462.8	6410.8	6329.1
-35°	6391.8	6408.7	6419.4	6421.9	6413.1	6397.7	6378.9	6347.6	6286.8	6207.5	6145.7
-37.5°	6160.1	6184.5	6189.2	6176.9	6178.3	6161.0	6123.2	6093.7	6054.3	5992.2	5905.2
-40°	5888.3	5906.0	5907.9	5896.5	5899.5	5888.4	5860.2	5814.3	5784.3	5742.1	5669.1
-42.5°	5649.8	5659.0	5660.1	5650.0	5650.4	5639.4	5619.3	5573.2	5513.2	5432.2	5374.4
-45°	5274.4	5289.4	5293.9	5286.6	5282.9	5266.8	5239.0	5200.5	5177.7	5143.7	5057.6
-47.5°	4979.4	4997.1	5002.7	4996.0	4995.0	4981.4	4954.9	4919.4	4876.3	4820.7	4751.0
-50°	4639.2	4656.7	4664.2	4654.3	4654.4	4635.7	4604.2	4566.0	4510.9	4426.3	4362.5
-52.5°	4169.0	4182.9	4183.4	4171.9	4172.1	4160.1	4134.7	4094.7	4057.5	4035.5	3945.5
-55°	3665.8	3666.8	3640.9	3596.7	3623.0	3633.3	3620.8	3579.1	3504.3	3494.5	3476.0
-57.5°	3196.8	3198.6	3189.9	3168.1	3175.2	3166.8	3143.3	3107.3	3062.3	3025.5	2986.7
-60°	2767.2	2781.9	2787.4	2778.8	2775.8	2757.9	2729.5	2694.4	2656.9	2603.3	2532.0
-62.5°	2260.6	2271.4	2273.8	2266.6	2265.8	2255.2	2236.2	2209.7	2177.2	2153.9	2124.7
-65°	1829.4	1828.6	1813.8	1788.2	1804.1	1809.1	1800.2	1774.2	1728.1	1673.5	1644.5
-67.5°	1375.4	1378.5	1372.7	1359.7	1363.4	1360.3	1349.3	1329.2	1296.9	1259.1	1228.5
-70°	955.2	955.5	950.3	939.0	940.3	936.0	927.5	916.0	902.8	889.6	869.8
-72.5°	581.7	579.4	572.7	561.5	571.4	576.6	577.1	573.2	564.8	550.7	533.0
-75°	293.7	292.1	289.3	285.4	285.4	284.4	282.5	279.7	275.9	274.2	282.1
-77.5°	204.9	206.1	206.2	205.6	205.5	204.8	203.2	200.9	197.8	194.2	190.6
-80°	134.7	135.5	135.7	135.6	135.7	135.3	134.5	133.2	131.4	129.2	126.9
-82.5°	81.4	81.8	81.9	81.8	81.7	81.5	80.9	80.1	79.0	77.6	76.1
-85°	41.5	41.5	41.5	41.4	41.4	41.2	41.0	40.6	40.2	39.7	39.1
-87.5°	16.3	16.4	16.4	16.4	16.3	16.2	16.0	15.8	15.5	15.2	14.8
-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: P622892 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-120W-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
85°	1.5	1.8	2.0	2.1	2.0	1.6	1.1	0.7	0.7	0.8	0.8
82.5°	12.6	12.2	12.0	11.8	11.7	11.5	11.2	10.7	10.1	9.4	8.5
80°	45.0	43.1	40.6	38.3	35.8	33.4	30.7	27.9	25.4	22.5	19.5
77.5°	93.8	90.8	87.4	83.7	79.6	75.3	70.4	64.8	58.6	51.8	46.0
75°	154.5	150.3	145.1	138.9	131.6	124.3	116.4	108.6	101.4	93.5	85.1
72.5°	231.1	223.7	215.6	207.8	203.4	196.9	181.7	163.7	151.5	139.1	128.0
70°	425.2	420.8	405.3	373.0	330.8	312.5	311.7	298.2	264.8	224.3	186.6
67.5°	843.2	813.8	777.0	731.6	680.2	629.0	579.3	514.8	439.0	409.8	361.6
65°	1295.4	1251.4	1221.1	1187.9	1105.0	1013.5	937.5	856.2	770.0	675.7	563.5
62.5°	1864.9	1807.2	1731.0	1630.5	1531.0	1440.1	1359.8	1236.6	1106.8	996.0	865.5
60°	2374.6	2306.4	2206.4	2145.1	2047.5	1919.6	1767.6	1640.4	1516.7	1345.5	1162.8
57.5°	2865.4	2781.7	2678.7	2612.1	2500.9	2323.1	2218.4	2067.6	1891.8	1722.8	1531.0
55°	3347.3	3211.5	3147.0	3052.3	2914.2	2773.5	2642.5	2427.5	2280.0	2082.2	1871.6
52.5°	3763.5	3730.4	3655.1	3518.3	3350.1	3222.6	3024.1	2859.5	2648.1	2415.5	2199.2
50°	4306.5	4182.6	4017.8	3888.7	3797.1	3662.6	3470.0	3263.0	3005.1	2788.6	2526.2
47.5°	4638.2	4567.6	4476.3	4341.9	4111.2	3961.5	3844.9	3652.6	3392.8	3083.1	2864.8
45°	4959.9	4849.9	4747.9	4624.3	4508.1	4328.1	4101.7	3938.0	3707.5	3443.7	3113.6
42.5°	5341.0	5260.7	5065.7	4923.9	4740.6	4602.0	4452.6	4172.4	3980.8	3704.9	3443.0
40°	5571.2	5483.2	5401.0	5247.9	5084.4	4849.9	4654.0	4471.6	4196.0	3989.8	3658.8
37.5°	5864.0	5749.8	5609.0	5494.2	5342.4	5172.8	4917.9	4679.5	4455.0	4182.5	3959.9
35°	6098.0	5955.1	5843.2	5697.1	5564.7	5364.4	5153.5	4916.4	4671.7	4381.1	4137.2
32.5°	6233.6	6148.5	6047.1	5888.9	5715.3	5536.9	5320.2	5102.5	4880.1	4621.8	4263.5
30°	6417.3	6310.9	6177.4	6067.4	5883.3	5685.9	5476.0	5247.9	5022.2	4786.4	4458.8
27.5°	6561.8	6450.3	6344.8	6177.5	6030.2	5842.7	5616.0	5378.3	5155.9	4904.6	4596.6
25°	6685.6	6576.6	6456.2	6313.1	6148.5	5960.4	5769.0	5489.9	5245.9	5014.9	4712.5
22.5°	6796.9	6695.5	6551.4	6424.8	6259.1	6083.9	5866.5	5623.6	5363.7	5119.4	4826.0
20°	6899.5	6773.9	6650.8	6504.5	6347.5	6171.8	5952.2	5714.3	5438.2	5192.1	4929.2
17.5°	6957.0	6855.1	6720.9	6575.2	6431.5	6230.0	6037.8	5782.0	5521.5	5269.0	5009.7
15°	7023.0	6905.9	6785.4	6659.4	6476.0	6305.4	6090.9	5858.3	5576.3	5322.5	5068.2
12.5°	7082.6	6968.3	6841.3	6689.7	6539.8	6358.7	6128.4	5914.7	5620.2	5371.1	5125.8
10°	7130.6	7015.6	6887.8	6751.6	6591.2	6380.0	6176.0	5962.6	5673.9	5423.1	5171.8
7.5°	7164.7	7062.1	6931.4	6785.1	6624.6	6424.3	6226.7	6002.0	5722.7	5463.4	5206.7
5°	7192.0	7093.9	6952.4	6815.1	6647.9	6458.3	6265.7	6030.1	5750.7	5488.9	5230.1
2.5°	7210.7	7107.2	6968.1	6832.5	6665.5	6477.2	6288.7	6046.8	5759.4	5502.0	5241.8
0°	7219.3	7112.6	6974.8	6837.4	6674.3	6479.6	6294.0	6051.5	5751.8	5503.5	5241.5
-2.5°	7201.6	7094.0	6960.4	6827.1	6661.0	6477.6	6287.8	6050.6	5765.0	5505.6	5245.6
-5°	7170.5	7065.8	6935.6	6806.4	6635.9	6460.1	6267.5	6037.1	5763.3	5496.0	5238.1
-7.5°	7149.6	7036.0	6906.0	6767.9	6598.6	6427.0	6237.7	6012.3	5745.1	5473.8	5219.5
-10°	7120.1	7007.9	6875.9	6734.2	6574.8	6380.6	6198.7	5981.0	5709.2	5441.5	5190.3
-12.5°	7082.0	6969.8	6838.8	6690.7	6545.8	6352.1	6145.7	5939.7	5650.4	5401.0	5146.9
-15°	7027.8	6916.0	6787.5	6646.0	6482.3	6311.3	6097.4	5881.6	5593.6	5350.4	5087.9
-17.5°	6968.7	6848.2	6725.9	6592.6	6416.9	6242.7	6045.5	5805.7	5540.3	5294.1	5027.4
-20°	6884.2	6764.5	6649.2	6502.0	6354.5	6162.9	5965.4	5719.7	5483.3	5222.0	4954.3



REPORT NUMBER: P622892 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-120W-7040

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6777.5	6680.2	6554.5	6424.4	6252.8	6084.3	5868.8	5636.4	5387.5	5135.0	4858.3
-25°	6675.6	6574.7	6464.9	6316.2	6155.4	5967.2	5762.4	5546.5	5280.7	5033.4	4732.2
-27.5°	6557.3	6466.0	6346.2	6197.5	6034.6	5843.4	5638.9	5403.2	5169.3	4925.1	4624.7
-30°	6415.4	6309.5	6201.1	6068.4	5891.9	5692.5	5497.2	5263.2	5038.1	4799.3	4504.2
-32.5°	6239.7	6154.0	6033.5	5899.7	5715.2	5549.8	5325.4	5110.6	4897.4	4661.3	4292.8
-35°	6065.8	5943.0	5836.4	5684.9	5572.2	5355.0	5153.8	4941.7	4701.3	4414.8	4129.3
-37.5°	5836.7	5720.2	5595.8	5493.8	5329.1	5163.4	4953.0	4710.6	4466.6	4174.4	3955.5
-40°	5560.7	5482.7	5381.7	5226.0	5078.6	4918.8	4680.7	4458.4	4185.2	3987.6	3689.8
-42.5°	5325.5	5208.3	5047.9	4938.9	4792.2	4605.4	4403.8	4161.7	3981.9	3728.5	3463.2
-45°	4953.8	4862.6	4767.7	4635.8	4492.5	4301.3	4100.5	3942.4	3728.2	3477.1	3135.3
-47.5°	4663.6	4576.0	4478.9	4340.5	4144.3	3975.3	3852.0	3686.7	3438.7	3107.5	2888.9
-50°	4319.6	4241.6	4085.3	3913.9	3811.7	3687.3	3531.6	3315.2	3037.5	2839.0	2539.3
-52.5°	3832.7	3755.1	3683.4	3566.5	3422.7	3273.6	3070.0	2911.6	2723.9	2455.7	2263.3
-55°	3408.3	3304.5	3198.3	3109.2	2980.8	2818.0	2709.2	2504.6	2318.3	2138.8	1962.3
-57.5°	2954.6	2881.2	2732.9	2640.8	2564.1	2444.1	2290.1	2130.0	1965.1	1842.6	1679.7
-60°	2463.0	2425.1	2383.5	2283.0	2160.7	2031.2	1895.8	1797.6	1664.5	1511.9	1367.8
-62.5°	2078.4	2014.4	1927.6	1831.3	1759.4	1686.4	1546.5	1435.9	1318.7	1191.2	1102.8
-65°	1621.7	1593.9	1517.0	1416.7	1363.0	1292.8	1193.2	1105.3	1032.7	916.4	822.0
-67.5°	1197.3	1163.8	1119.1	1061.0	992.1	932.2	869.1	801.1	733.0	674.7	609.5
-70°	837.4	801.4	762.8	727.1	691.5	647.5	600.4	554.0	501.3	460.6	422.6
-72.5°	511.3	485.7	462.0	439.2	413.5	398.4	383.2	363.4	340.0	312.2	278.4
-75°	286.6	287.3	283.7	275.4	263.9	252.1	236.8	220.1	200.5	172.3	161.7
-77.5°	186.6	181.9	176.4	170.2	163.6	156.2	148.0	139.4	130.9	121.7	112.6
-80°	124.1	120.8	117.0	113.2	108.9	103.9	98.4	92.7	87.1	81.1	74.6
-82.5°	74.3	72.5	70.4	68.2	65.6	62.4	59.0	55.5	52.2	48.7	45.0
-85°	38.4	37.7	36.8	35.8	34.7	33.4	31.9	30.4	28.8	27.1	25.4
-87.5°	14.4	13.9	13.3	12.7	12.1	11.4	10.6	9.9	9.4	8.8	8.3
-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: P622892 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF120-XX-PC-120W-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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
85°	1.1	1.2	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.0
82.5°	7.7	7.1	6.4	5.8	5.3	4.8	4.1	3.4	3.0	2.8	2.2
80°	18.4	16.9	14.7	13.1	11.8	10.6	9.2	8.0	6.8	5.7	4.7
77.5°	41.5	36.0	31.7	26.8	22.8	18.4	15.5	13.2	10.8	9.1	7.5
75°	76.8	68.2	59.4	51.1	41.8	34.9	28.1	22.1	17.3	12.9	10.5
72.5°	116.2	104.6	93.1	81.8	70.3	58.3	45.7	36.6	28.1	20.4	14.5
70°	175.7	156.0	131.5	114.9	99.4	84.9	70.0	55.0	42.2	31.2	21.6
67.5°	297.0	246.8	207.9	170.0	134.2	112.2	94.5	77.0	59.5	44.2	31.4
65°	480.1	414.4	333.4	264.1	206.6	152.0	121.3	99.3	79.1	59.3	42.4
62.5°	732.2	597.3	503.2	409.9	316.8	226.9	160.0	123.9	98.8	76.3	54.4
60°	1013.2	860.3	705.8	568.7	457.1	336.0	228.9	156.1	120.1	93.1	68.9
57.5°	1306.7	1120.0	947.1	774.1	605.8	468.9	330.7	209.3	144.4	111.5	83.2
55°	1672.1	1410.0	1187.0	992.9	797.0	611.3	451.0	298.2	181.9	131.1	97.3
52.5°	1978.1	1763.6	1458.3	1209.1	993.1	780.0	582.8	402.9	245.9	151.8	113.6
50°	2264.4	2032.7	1798.6	1449.1	1181.9	955.7	725.7	518.3	330.3	183.9	131.0
47.5°	2591.9	2282.3	2035.4	1735.6	1388.2	1119.1	881.2	641.5	422.8	236.8	150.9
45°	2891.0	2600.9	2243.5	1956.5	1617.2	1290.5	1030.6	771.7	523.7	309.3	176.5
42.5°	3105.2	2866.2	2495.7	2150.1	1834.8	1474.3	1162.7	902.4	630.3	389.5	207.3
40°	3402.7	3044.3	2733.5	2327.9	2007.2	1661.9	1310.2	1027.5	740.9	468.7	255.5
37.5°	3577.3	3261.6	2923.7	2557.7	2172.4	1825.3	1460.8	1135.5	844.6	549.0	311.9
35°	3802.0	3445.5	3058.2	2724.2	2319.3	1965.2	1605.0	1244.2	942.0	630.4	369.4
32.5°	3991.5	3574.8	3266.1	2891.7	2498.8	2110.6	1733.0	1358.5	1032.8	711.6	426.4
30°	4100.5	3788.4	3396.7	2999.8	2621.4	2222.6	1841.1	1467.3	1112.6	786.9	481.0
27.5°	4226.7	3912.3	3497.2	3146.6	2750.3	2339.3	1947.6	1566.4	1186.0	856.4	535.2
25°	4384.7	3995.4	3636.1	3271.0	2874.1	2461.6	2053.8	1653.1	1262.5	919.8	585.2
22.5°	4483.5	4093.2	3763.0	3352.8	2950.5	2546.4	2140.4	1731.6	1335.7	977.2	633.2
20°	4554.6	4207.4	3826.3	3427.2	3043.6	2622.9	2213.0	1802.6	1401.0	1028.4	679.4
17.5°	4620.3	4305.4	3896.1	3505.7	3132.8	2708.9	2282.1	1866.6	1457.1	1073.6	720.5
15°	4728.5	4375.8	3955.5	3593.9	3199.5	2778.2	2346.3	1922.6	1504.4	1113.8	756.3
12.5°	4807.3	4429.5	4025.7	3657.9	3256.7	2826.5	2398.2	1968.0	1543.1	1148.7	786.8
10°	4869.5	4474.5	4074.7	3703.5	3307.4	2863.8	2437.4	2003.1	1575.2	1178.1	812.2
7.5°	4918.3	4507.7	4110.7	3742.4	3336.1	2893.3	2464.2	2028.4	1600.2	1201.9	832.4
5°	4941.9	4529.4	4138.3	3772.0	3352.3	2913.9	2482.2	2044.4	1617.4	1219.7	847.4
2.5°	4954.2	4539.5	4150.3	3789.5	3359.5	2924.5	2490.9	2051.5	1626.8	1231.5	857.4
0°	4953.4	4538.1	4145.2	3792.1	3357.7	2924.1	2490.2	2050.4	1628.7	1237.0	862.4
-2.5°	4957.0	4544.5	4155.7	3792.9	3364.6	2929.1	2496.4	2058.3	1634.7	1240.7	865.7
-5°	4947.2	4538.8	4150.2	3779.0	3361.8	2922.8	2492.6	2058.4	1632.9	1238.0	864.1
-7.5°	4926.1	4520.3	4131.4	3753.4	3348.9	2906.2	2478.7	2050.4	1623.1	1229.1	857.5
-10°	4885.1	4488.6	4102.8	3718.8	3322.6	2880.0	2454.7	2034.2	1605.0	1214.0	845.9
-12.5°	4836.6	4444.3	4055.4	3678.1	3277.5	2845.2	2423.4	2009.6	1579.8	1192.8	829.3
-15°	4768.0	4393.6	3983.7	3624.4	3226.9	2802.0	2384.1	1976.6	1550.4	1165.6	807.8
-17.5°	4657.2	4332.9	3924.8	3550.7	3166.8	2747.3	2336.3	1931.0	1513.5	1132.5	781.6
-20°	4580.6	4260.2	3855.6	3473.2	3082.5	2680.5	2276.7	1876.1	1469.0	1096.6	750.6



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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°	4509.4	4134.3	3793.5	3388.4	2991.8	2599.5	2207.6	1813.7	1416.9	1055.6	714.9
-25°	4423.4	4017.1	3678.4	3310.1	2912.3	2508.6	2133.0	1738.2	1358.5	1008.9	678.5
-27.5°	4272.5	3926.9	3544.3	3184.8	2803.3	2420.6	2051.0	1652.6	1294.5	956.3	641.3
-30°	4108.9	3809.0	3427.5	3035.1	2677.3	2316.6	1959.2	1570.4	1225.7	898.0	600.7
-32.5°	3993.0	3618.1	3285.9	2911.2	2528.9	2200.4	1853.7	1481.3	1152.5	835.3	554.4
-35°	3818.8	3469.8	3086.0	2765.6	2407.2	2075.5	1722.3	1389.9	1075.8	768.7	503.2
-37.5°	3609.5	3269.6	2928.2	2562.1	2264.1	1942.1	1593.9	1286.8	992.7	704.0	451.8
-40°	3400.3	3049.6	2745.3	2417.0	2110.1	1790.0	1465.3	1176.1	903.3	642.9	402.8
-42.5°	3120.4	2863.1	2511.9	2242.9	1947.5	1627.0	1335.4	1066.1	807.3	572.7	355.8
-45°	2897.3	2568.9	2338.0	2058.3	1764.4	1467.1	1190.9	949.8	714.6	495.3	314.5
-47.5°	2586.6	2370.1	2130.6	1862.3	1571.5	1306.1	1061.6	832.9	625.1	429.7	271.8
-50°	2339.5	2122.7	1909.8	1643.7	1387.4	1134.5	925.4	718.8	529.3	364.4	227.1
-52.5°	2064.1	1881.2	1657.1	1428.1	1178.0	987.9	793.4	605.0	439.0	306.9	181.1
-55°	1806.4	1602.4	1406.9	1192.9	1016.0	836.0	657.3	502.0	358.8	248.5	135.8
-57.5°	1505.1	1333.8	1153.5	1006.2	846.9	685.1	536.9	395.1	293.0	189.6	115.1
-60°	1224.0	1081.9	945.6	820.2	680.4	543.8	418.6	317.7	226.5	137.1	97.6
-62.5°	966.7	852.9	754.6	629.7	529.1	415.5	323.8	244.8	160.2	110.4	83.2
-65°	741.5	657.0	547.7	486.5	383.2	313.4	245.4	172.0	120.9	92.0	69.8
-67.5°	524.1	474.2	407.9	337.5	287.1	230.3	167.2	123.5	96.1	75.4	57.4
-70°	376.4	325.5	281.6	238.8	198.4	151.7	117.1	95.1	76.7	60.4	46.3
-72.5°	242.6	207.3	182.0	153.4	129.2	106.6	88.5	73.5	59.6	47.2	37.9
-75°	149.7	135.9	119.1	105.1	91.0	78.6	66.2	55.1	45.3	37.0	29.8
-77.5°	103.1	92.9	83.5	73.8	64.8	55.9	47.5	40.0	33.7	27.9	21.7
-80°	68.2	61.8	55.2	49.1	43.1	37.1	33.0	28.6	23.9	18.9	13.6
-82.5°	40.9	37.6	34.5	31.4	28.3	25.1	21.6	17.9	14.3	11.3	8.6
-85°	23.4	21.4	19.4	17.3	15.2	13.1	10.8	8.7	7.1	6.0	4.9
-87.5°	7.7	7.1	6.5	5.9	5.4	4.8	4.2	3.6	3.1	2.6	2.2
-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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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°	0.4	0.4	0.3	0.3	0.2	0.1	0.0
85°	0.9	0.8	0.7	0.6	0.4	0.2	0.0
82.5°	1.6	1.6	1.4	0.8	0.6	0.3	0.0
80°	3.8	2.8	2.2	1.6	0.8	0.4	0.0
77.5°	6.2	4.8	3.4	2.4	1.2	0.6	0.0
75°	8.5	6.8	5.0	3.2	1.8	0.7	0.0
72.5°	11.1	8.8	6.6	4.3	2.4	0.8	0.0
70°	14.3	11.1	8.2	5.5	3.1	0.9	0.0
67.5°	20.8	13.7	9.8	6.7	3.7	1.0	0.0
65°	28.4	17.8	11.8	7.9	4.4	1.2	0.0
62.5°	37.1	23.3	14.2	9.1	5.2	1.6	0.0
60°	47.0	29.5	16.6	10.3	5.9	1.9	0.0
57.5°	57.3	36.5	20.9	11.5	6.7	2.2	0.0
55°	69.2	43.8	25.1	13.4	7.4	2.6	0.0
52.5°	80.8	52.2	29.5	15.3	8.1	2.9	0.0
50°	92.1	60.3	34.7	17.2	8.8	3.2	0.0
47.5°	103.6	69.3	39.8	19.3	9.5	3.5	0.0
45°	118.2	78.0	44.9	22.2	10.2	3.8	0.0
42.5°	132.7	86.3	50.9	25.0	10.8	4.1	0.0
40°	151.2	94.4	56.7	27.7	11.5	4.3	0.0
37.5°	169.9	102.1	62.2	30.3	12.0	4.6	0.0
35°	192.9	112.0	67.8	33.2	13.0	4.9	0.0
32.5°	218.2	122.9	73.2	36.1	14.0	5.1	0.0
30°	243.1	133.4	78.3	38.8	15.0	5.4	0.0
27.5°	279.4	144.5	83.0	41.4	15.9	5.6	0.0
25°	315.3	157.8	87.4	43.8	16.8	5.8	0.0
22.5°	348.5	170.6	91.5	46.0	17.7	6.0	0.0
20°	379.7	182.8	95.2	48.2	18.4	6.2	0.0
17.5°	409.6	194.3	98.5	50.6	19.1	6.3	0.0
15°	436.1	206.2	101.5	52.7	19.8	6.5	0.0
12.5°	459.2	218.4	104.0	54.5	20.3	6.6	0.0
10°	478.8	229.1	106.2	56.1	20.8	6.7	0.0
7.5°	495.0	238.3	108.0	57.3	21.2	6.8	0.0
5°	507.7	245.8	109.4	58.3	21.6	6.9	0.0
2.5°	516.9	251.6	110.3	59.1	21.8	6.9	0.0
0°	522.7	255.5	110.9	59.5	22.0	6.9	0.0
-2.5°	525.9	258.0	111.5	59.7	22.2	7.0	0.0
-5°	525.7	258.5	111.7	59.5	22.2	7.0	0.0
-7.5°	521.8	257.0	111.5	59.1	22.2	6.9	0.0
-10°	514.4	253.5	110.7	58.4	22.1	6.9	0.0
-12.5°	503.2	248.0	109.5	57.4	21.9	6.8	0.0
-15°	488.4	240.5	107.8	56.1	21.6	6.7	0.0
-17.5°	469.8	232.3	105.6	54.5	21.2	6.6	0.0
-20°	447.5	223.1	102.8	52.6	20.7	6.5	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	423.9	212.0	99.5	50.9	20.2	6.4	0.0
-25°	398.5	199.1	95.6	49.1	19.5	6.2	0.0
-27.5°	370.1	184.2	91.8	47.2	18.8	6.0	0.0
-30°	340.1	170.0	87.8	45.0	18.0	5.8	0.0
-32.5°	315.2	154.7	83.4	42.6	17.0	5.6	0.0
-35°	288.0	137.5	78.6	40.1	16.0	5.4	0.0
-37.5°	259.8	122.2	73.6	37.5	15.1	5.1	0.0
-40°	231.0	113.4	68.4	35.2	14.4	4.8	0.0
-42.5°	199.9	103.7	62.9	32.8	13.7	4.6	0.0
-45°	169.7	94.8	57.0	30.3	12.9	4.3	0.0
-47.5°	136.9	86.8	52.1	27.7	12.1	4.0	0.0
-50°	119.5	78.4	47.2	25.3	11.2	3.7	0.0
-52.5°	104.1	70.1	42.1	23.0	10.2	3.4	0.0
-55°	92.5	61.6	37.9	20.5	9.4	3.0	0.0
-57.5°	81.1	54.1	33.8	17.9	8.6	2.7	0.0
-60°	70.3	46.9	29.6	16.0	7.8	2.3	0.0
-62.5°	59.6	40.6	25.8	14.0	6.9	1.9	0.0
-65°	50.3	35.1	21.9	11.9	6.0	1.6	0.0
-67.5°	42.4	29.7	18.3	10.1	5.2	1.3	0.0
-70°	35.6	24.4	14.9	8.6	4.4	1.2	0.0
-72.5°	28.9	19.3	11.4	7.1	3.6	1.0	0.0
-75°	22.1	14.2	9.2	5.6	2.8	0.9	0.0
-77.5°	15.2	10.3	6.9	4.3	1.9	0.7	0.0
-80°	10.2	7.3	5.0	3.1	1.4	0.6	0.0
-82.5°	6.4	4.9	3.3	1.8	1.1	0.4	0.0
-85°	3.9	2.8	1.9	1.2	0.7	0.3	0.0
-87.5°	1.7	1.3	0.9	0.6	0.4	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)