

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645498 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-750-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645498 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-750-U-LAM-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

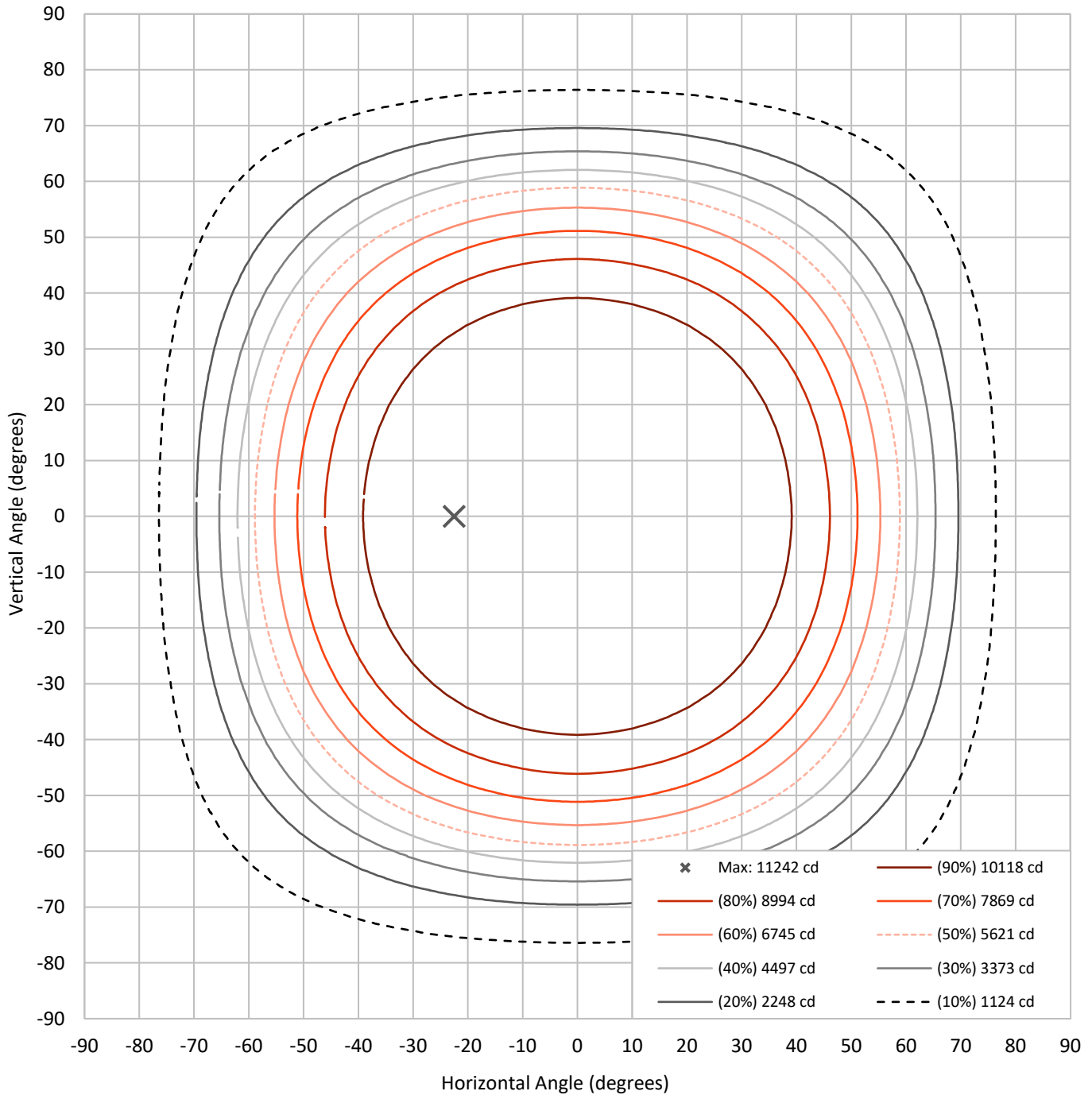
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	34390.1 lumens	Max Intensity:	11242 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	134.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	28620 lumens	Field Lumens:	33713.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	255.9		
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		



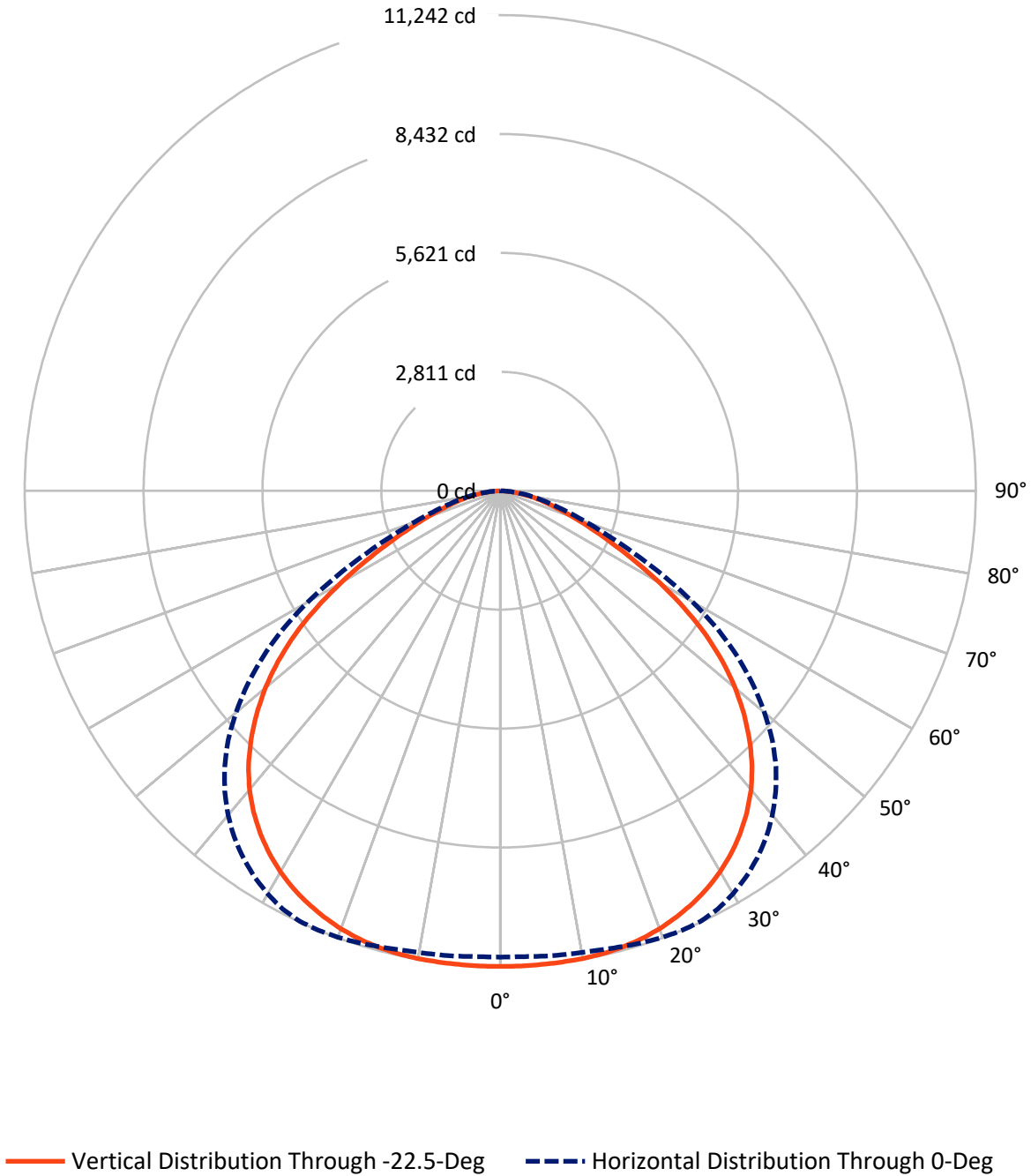
REPORT NUMBER: P645498 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-750-U-LAM-XX

Iso-Candela Plot



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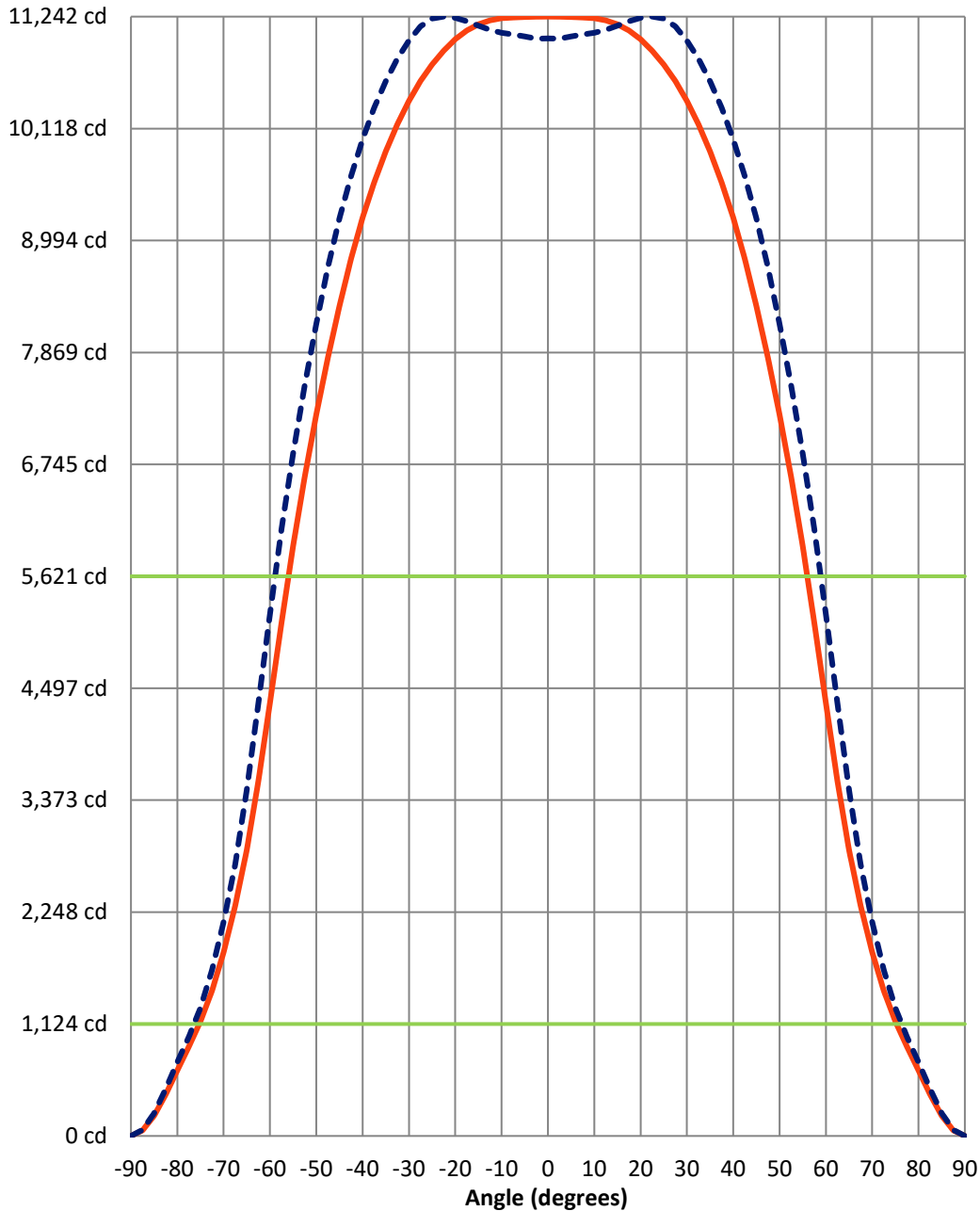
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 28620
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 33713.7
 Efficiency: 98.0%

Spill:
 Lumens: 676.3
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	2.7	5.4	8.0	10.7	13.3	15.9	18.5	21.0	23.5	26.0
85°	0.0	5.4	10.7	16.0	21.3	26.6	31.8	36.9	42.0	47.0	51.9
82.5°	0.0	8.0	16.0	24.0	31.9	39.8	47.6	55.3	65.4	85.8	105.8
80°	0.0	10.7	21.3	31.9	42.5	53.0	66.6	94.5	122.1	149.2	175.8
77.5°	0.0	13.3	26.6	39.8	53.0	73.9	109.1	143.9	178.3	212.1	253.0
75°	0.0	15.9	31.8	47.6	66.6	109.1	151.2	192.9	236.5	295.4	353.4
72.5°	0.0	18.5	36.9	55.3	94.5	143.9	192.9	247.1	316.8	385.4	452.9
70°	0.0	21.0	42.0	65.4	122.1	178.3	236.5	316.8	396.1	474.5	559.3
67.5°	0.0	23.5	47.0	85.8	149.2	212.1	295.4	385.4	474.5	571.1	666.1
65°	0.0	26.0	51.9	105.8	175.8	253.0	353.4	452.9	559.3	666.1	769.9
62.5°	0.0	28.4	56.7	125.4	202.0	300.5	410.3	523.9	642.4	758.6	868.7
60°	0.0	30.7	61.4	144.6	227.5	346.9	466.0	595.3	723.9	845.9	965.5
57.5°	0.0	33.0	73.8	163.3	263.2	392.3	525.2	665.1	800.7	931.4	1068.9
55°	0.0	35.3	86.0	181.5	298.6	436.4	583.5	733.1	874.8	1017.2	1173.8
52.5°	0.0	37.4	97.7	199.2	332.8	479.9	640.2	796.5	946.9	1109.1	1276.0
50°	0.0	39.5	109.1	216.3	366.0	525.6	695.0	857.6	1019.5	1198.3	1402.9
47.5°	0.0	41.5	120.1	234.6	398.0	569.7	747.6	916.6	1096.1	1284.7	1529.1
45°	0.0	43.5	130.6	257.6	428.8	612.1	796.2	973.4	1170.0	1393.3	1650.8
42.5°	0.0	45.3	140.7	279.7	458.2	652.7	842.8	1032.2	1240.8	1498.3	1794.2
40°	0.0	47.1	150.4	300.7	487.8	691.5	887.4	1091.3	1315.4	1598.8	1935.9
37.5°	0.0	48.8	159.5	320.7	517.2	728.3	929.7	1147.5	1400.1	1701.5	2070.9
35°	0.0	50.4	168.2	339.6	545.0	762.1	969.7	1200.7	1480.3	1816.2	2208.8
32.5°	0.0	51.9	176.3	357.4	571.1	793.4	1008.9	1250.8	1555.9	1924.3	2353.8
30°	0.0	53.3	183.9	374.0	595.5	822.7	1048.8	1301.1	1626.6	2025.5	2489.7
27.5°	0.0	54.5	190.9	389.4	618.2	849.8	1086.0	1358.2	1698.8	2119.7	2616.2
25°	0.0	55.7	197.4	403.5	639.0	874.8	1120.1	1410.9	1775.5	2217.9	2734.4
22.5°	0.0	56.8	203.3	416.4	658.0	897.5	1151.3	1458.9	1845.4	2313.0	2872.4
20°	0.0	57.8	208.6	428.0	675.1	918.0	1179.3	1502.2	1908.4	2398.8	2997.0
17.5°	0.0	58.7	213.3	438.3	690.3	936.2	1204.2	1540.7	1964.4	2475.1	3107.8
15°	0.0	59.4	217.4	447.3	703.5	952.0	1225.9	1574.2	2013.3	2541.6	3204.6
12.5°	0.0	60.0	220.8	454.9	714.7	965.5	1244.4	1602.7	2054.8	2598.3	3286.9
10°	0.0	60.6	223.7	461.1	723.9	976.6	1259.5	1626.1	2089.0	2644.8	3354.7
7.5°	0.0	61.0	225.9	466.0	731.1	985.2	1271.4	1644.3	2115.6	2681.2	3407.6
5°	0.0	61.3	227.5	469.5	736.3	991.4	1279.8	1657.4	2134.7	2707.2	3445.5
2.5°	0.0	61.4	228.5	471.6	739.4	995.1	1284.9	1665.3	2146.2	2722.9	3468.3
0°	0.0	61.5	228.8	472.3	740.4	996.3	1286.6	1667.9	2150.0	2728.1	3475.9
-2.5°	0.0	61.4	228.5	471.6	739.4	995.1	1284.9	1665.3	2146.2	2722.9	3468.3
-5°	0.0	61.3	227.5	469.5	736.3	991.4	1279.8	1657.4	2134.7	2707.2	3445.5
-7.5°	0.0	61.0	225.9	466.0	731.1	985.2	1271.4	1644.3	2115.6	2681.2	3407.6
-10°	0.0	60.6	223.7	461.1	723.9	976.6	1259.5	1626.1	2089.0	2644.8	3354.7
-12.5°	0.0	60.0	220.8	454.9	714.7	965.5	1244.4	1602.7	2054.8	2598.3	3286.9
-15°	0.0	59.4	217.4	447.3	703.5	952.0	1225.9	1574.2	2013.3	2541.6	3204.6
-17.5°	0.0	58.7	213.3	438.3	690.3	936.2	1204.2	1540.7	1964.4	2475.1	3107.8
-20°	0.0	57.8	208.6	428.0	675.1	918.0	1179.3	1502.2	1908.4	2398.8	2997.0

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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	56.8	203.3	416.4	658.0	897.5	1151.3	1458.9	1845.4	2313.0	2872.4
-25°	0.0	55.7	197.4	403.5	639.0	874.8	1120.1	1410.9	1775.5	2217.9	2734.4
-27.5°	0.0	54.5	190.9	389.4	618.2	849.8	1086.0	1358.2	1698.8	2119.7	2616.2
-30°	0.0	53.3	183.9	374.0	595.5	822.7	1048.8	1301.1	1626.6	2025.5	2489.7
-32.5°	0.0	51.9	176.3	357.4	571.1	793.4	1008.9	1250.8	1555.9	1924.3	2353.8
-35°	0.0	50.4	168.2	339.6	545.0	762.1	969.7	1200.7	1480.3	1816.2	2208.8
-37.5°	0.0	48.8	159.5	320.7	517.2	728.3	929.7	1147.5	1400.1	1701.5	2070.9
-40°	0.0	47.1	150.4	300.7	487.8	691.5	887.4	1091.3	1315.4	1598.8	1935.9
-42.5°	0.0	45.3	140.7	279.7	458.2	652.7	842.8	1032.2	1240.8	1498.3	1794.2
-45°	0.0	43.5	130.6	257.6	428.8	612.1	796.2	973.4	1170.0	1393.3	1650.8
-47.5°	0.0	41.5	120.1	234.6	398.0	569.7	747.6	916.6	1096.1	1284.7	1529.1
-50°	0.0	39.5	109.1	216.3	366.0	525.6	695.0	857.6	1019.5	1198.3	1402.9
-52.5°	0.0	37.4	97.7	199.2	332.8	479.9	640.2	796.5	946.9	1109.1	1276.0
-55°	0.0	35.3	86.0	181.5	298.6	436.4	583.5	733.1	874.8	1017.2	1173.8
-57.5°	0.0	33.0	73.8	163.3	263.2	392.3	525.2	665.1	800.7	931.4	1068.9
-60°	0.0	30.7	61.4	144.6	227.5	346.9	466.0	595.3	723.9	845.9	965.5
-62.5°	0.0	28.4	56.7	125.4	202.0	300.5	410.3	523.9	642.4	758.6	868.7
-65°	0.0	26.0	51.9	105.8	175.8	253.0	353.4	452.9	559.3	666.1	769.9
-67.5°	0.0	23.5	47.0	85.8	149.2	212.1	295.4	385.4	474.5	571.1	666.1
-70°	0.0	21.0	42.0	65.4	122.1	178.3	236.5	316.8	396.1	474.5	559.3
-72.5°	0.0	18.5	36.9	55.3	94.5	143.9	192.9	247.1	316.8	385.4	452.9
-75°	0.0	15.9	31.8	47.6	66.6	109.1	151.2	192.9	236.5	295.4	353.4
-77.5°	0.0	13.3	26.6	39.8	53.0	73.9	109.1	143.9	178.3	212.1	253.0
-80°	0.0	10.7	21.3	31.9	42.5	53.0	66.6	94.5	122.1	149.2	175.8
-82.5°	0.0	8.0	16.0	24.0	31.9	39.8	47.6	55.3	65.4	85.8	105.8
-85°	0.0	5.4	10.7	16.0	21.3	26.6	31.8	36.9	42.0	47.0	51.9
-87.5°	0.0	2.7	5.4	8.0	10.7	13.3	15.9	18.5	21.0	23.5	26.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-LAM-XX

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°	28.4	30.7	33.0	35.3	37.4	39.5	41.5	43.5	45.3	47.1	48.8
85°	56.7	61.4	73.8	86.0	97.7	109.1	120.1	130.6	140.7	150.4	159.5
82.5°	125.4	144.6	163.3	181.5	199.2	216.3	234.6	257.6	279.7	300.7	320.7
80°	202.0	227.5	263.2	298.6	332.8	366.0	398.0	428.8	458.2	487.8	517.2
77.5°	300.5	346.9	392.3	436.4	479.9	525.6	569.7	612.1	652.7	691.5	728.3
75°	410.3	466.0	525.2	583.5	640.2	695.0	747.6	796.2	842.8	887.4	929.7
72.5°	523.9	595.3	665.1	733.1	796.5	857.6	916.6	973.4	1032.2	1091.3	1147.5
70°	642.4	723.9	800.7	874.8	946.9	1019.5	1096.1	1170.0	1240.8	1315.4	1400.1
67.5°	758.6	845.9	931.4	1017.2	1109.1	1198.3	1284.7	1393.3	1498.3	1598.8	1701.5
65°	868.7	965.5	1068.9	1173.8	1276.0	1402.9	1529.1	1650.8	1794.2	1935.9	2070.9
62.5°	976.9	1094.8	1212.9	1341.2	1488.8	1632.2	1798.4	1968.1	2131.4	2315.3	2494.4
60°	1094.8	1225.9	1375.7	1540.7	1710.5	1908.4	2100.4	2313.0	2527.3	2734.4	2988.5
57.5°	1212.9	1375.7	1558.0	1754.6	1974.9	2197.3	2447.0	2688.6	2978.5	3268.0	3556.1
55°	1341.2	1540.7	1754.6	1997.2	2251.0	2528.0	2817.6	3155.1	3481.8	3845.7	4194.3
52.5°	1488.8	1710.5	1974.9	2251.0	2555.1	2888.3	3262.0	3648.4	4055.4	4450.6	4838.2
50°	1632.2	1908.4	2197.3	2528.0	2888.3	3297.8	3732.3	4182.4	4626.7	5060.2	5466.1
47.5°	1798.4	2100.4	2447.0	2817.6	3262.0	3732.3	4225.0	4715.4	5194.6	5639.3	6065.2
45°	1968.1	2313.0	2688.6	3155.1	3648.4	4182.4	4715.4	5239.7	5726.6	6186.0	6588.0
42.5°	2131.4	2527.3	2978.5	3481.8	4055.4	4626.7	5194.6	5726.6	6225.4	6667.9	7071.6
40°	2315.3	2734.4	3268.0	3845.7	4450.6	5060.2	5639.3	6186.0	6667.9	7108.4	7517.2
37.5°	2494.4	2988.5	3556.1	4194.3	4838.2	5466.1	6065.2	6588.0	7071.6	7517.2	7909.4
35°	2664.5	3230.1	3862.2	4532.1	5208.2	5846.5	6429.6	6961.9	7442.3	7874.8	8275.8
32.5°	2853.5	3458.5	4151.9	4856.7	5545.2	6195.3	6773.3	7293.9	7771.6	8210.8	8609.0
30°	3048.5	3704.8	4426.9	5162.3	5861.8	6497.6	7074.6	7601.8	8075.8	8509.5	8899.8
27.5°	3230.1	3937.1	4689.2	5438.9	6151.0	6781.2	7350.4	7869.4	8346.1	8782.8	9161.0
25°	3397.8	4151.9	4932.0	5692.2	6394.5	7026.1	7600.4	8119.2	8593.1	9012.1	9379.8
22.5°	3563.4	4348.7	5154.5	5924.5	6618.2	7245.0	7814.2	8334.2	8808.4	9223.6	9576.4
20°	3724.4	4532.1	5350.8	6130.5	6821.1	7443.9	8008.7	8527.8	8989.3	9391.3	9742.5
17.5°	3867.7	4695.4	5522.5	6296.9	6988.0	7613.7	8180.9	8701.6	9152.1	9542.6	9886.0
15°	3992.9	4838.2	5672.8	6442.6	7131.5	7754.9	8322.0	8837.0	9284.5	9671.8	10012.7
12.5°	4099.5	4960.0	5800.9	6566.9	7254.2	7875.6	8442.9	8950.8	9390.7	9773.0	10106.6
10°	4187.2	5060.2	5906.5	6669.5	7355.4	7975.3	8542.9	9045.0	9478.8	9857.1	10184.7
7.5°	4255.8	5138.5	5989.0	6749.7	7434.7	8053.5	8621.3	9118.9	9548.0	9923.3	10246.4
5°	4304.9	5194.6	6048.3	6807.3	7491.6	8109.7	8677.7	9172.2	9597.9	9971.1	10291.0
2.5°	4334.4	5228.4	6083.9	6841.9	7525.9	8143.5	8711.6	9204.3	9628.0	9999.9	10317.9
0°	4344.3	5239.7	6095.8	6853.5	7537.3	8154.8	8723.0	9215.0	9638.1	10009.6	10326.9
-2.5°	4334.4	5228.4	6083.9	6841.9	7525.9	8143.5	8711.6	9204.3	9628.0	9999.9	10317.9
-5°	4304.9	5194.6	6048.3	6807.3	7491.6	8109.7	8677.7	9172.2	9597.9	9971.1	10291.0
-7.5°	4255.8	5138.5	5989.0	6749.7	7434.7	8053.5	8621.3	9118.9	9548.0	9923.3	10246.4
-10°	4187.2	5060.2	5906.5	6669.5	7355.4	7975.3	8542.9	9045.0	9478.8	9857.1	10184.7
-12.5°	4099.5	4960.0	5800.9	6566.9	7254.2	7875.6	8442.9	8950.8	9390.7	9773.0	10106.6
-15°	3992.9	4838.2	5672.8	6442.6	7131.5	7754.9	8322.0	8837.0	9284.5	9671.8	10012.7
-17.5°	3867.7	4695.4	5522.5	6296.9	6988.0	7613.7	8180.9	8701.6	9152.1	9542.6	9886.0
-20°	3724.4	4532.1	5350.8	6130.5	6821.1	7443.9	8008.7	8527.8	8989.3	9391.3	9742.5



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 CATALOG NUMBER: GFLD-SA4E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3563.4	4348.7	5154.5	5924.5	6618.2	7245.0	7814.2	8334.2	8808.4	9223.6	9576.4
-25°	3397.8	4151.9	4932.0	5692.2	6394.5	7026.1	7600.4	8119.2	8593.1	9012.1	9379.8
-27.5°	3230.1	3937.1	4689.2	5438.9	6151.0	6781.2	7350.4	7869.4	8346.1	8782.8	9161.0
-30°	3048.5	3704.8	4426.9	5162.3	5861.8	6497.6	7074.6	7601.8	8075.8	8509.5	8899.8
-32.5°	2853.5	3458.5	4151.9	4856.7	5545.2	6195.3	6773.3	7293.9	7771.6	8210.8	8609.0
-35°	2664.5	3230.1	3862.2	4532.1	5208.2	5846.5	6429.6	6961.9	7442.3	7874.8	8275.8
-37.5°	2494.4	2988.5	3556.1	4194.3	4838.2	5466.1	6065.2	6588.0	7071.6	7517.2	7909.4
-40°	2315.3	2734.4	3268.0	3845.7	4450.6	5060.2	5639.3	6186.0	6667.9	7108.4	7517.2
-42.5°	2131.4	2527.3	2978.5	3481.8	4055.4	4626.7	5194.6	5726.6	6225.4	6667.9	7071.6
-45°	1968.1	2313.0	2688.6	3155.1	3648.4	4182.4	4715.4	5239.7	5726.6	6186.0	6588.0
-47.5°	1798.4	2100.4	2447.0	2817.6	3262.0	3732.3	4225.0	4715.4	5194.6	5639.3	6065.2
-50°	1632.2	1908.4	2197.3	2528.0	2888.3	3297.8	3732.3	4182.4	4626.7	5060.2	5466.1
-52.5°	1488.8	1710.5	1974.9	2251.0	2555.1	2888.3	3262.0	3648.4	4055.4	4450.6	4838.2
-55°	1341.2	1540.7	1754.6	1997.2	2251.0	2528.0	2817.6	3155.1	3481.8	3845.7	4194.3
-57.5°	1212.9	1375.7	1558.0	1754.6	1974.9	2197.3	2447.0	2688.6	2978.5	3268.0	3556.1
-60°	1094.8	1225.9	1375.7	1540.7	1710.5	1908.4	2100.4	2313.0	2527.3	2734.4	2988.5
-62.5°	976.9	1094.8	1212.9	1341.2	1488.8	1632.2	1798.4	1968.1	2131.4	2315.3	2494.4
-65°	868.7	965.5	1068.9	1173.8	1276.0	1402.9	1529.1	1650.8	1794.2	1935.9	2070.9
-67.5°	758.6	845.9	931.4	1017.2	1109.1	1198.3	1284.7	1393.3	1498.3	1598.8	1701.5
-70°	642.4	723.9	800.7	874.8	946.9	1019.5	1096.1	1170.0	1240.8	1315.4	1400.1
-72.5°	523.9	595.3	665.1	733.1	796.5	857.6	916.6	973.4	1032.2	1091.3	1147.5
-75°	410.3	466.0	525.2	583.5	640.2	695.0	747.6	796.2	842.8	887.4	929.7
-77.5°	300.5	346.9	392.3	436.4	479.9	525.6	569.7	612.1	652.7	691.5	728.3
-80°	202.0	227.5	263.2	298.6	332.8	366.0	398.0	428.8	458.2	487.8	517.2
-82.5°	125.4	144.6	163.3	181.5	199.2	216.3	234.6	257.6	279.7	300.7	320.7
-85°	56.7	61.4	73.8	86.0	97.7	109.1	120.1	130.6	140.7	150.4	159.5
-87.5°	28.4	30.7	33.0	35.3	37.4	39.5	41.5	43.5	45.3	47.1	48.8
-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: P645498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-LAM-XX

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°	50.4	51.9	53.3	54.5	55.7	56.8	57.8	58.7	59.4	60.0	60.6
85°	168.2	176.3	183.9	190.9	197.4	203.3	208.6	213.3	217.4	220.8	223.7
82.5°	339.6	357.4	374.0	389.4	403.5	416.4	428.0	438.3	447.3	454.9	461.1
80°	545.0	571.1	595.5	618.2	639.0	658.0	675.1	690.3	703.5	714.7	723.9
77.5°	762.1	793.4	822.7	849.8	874.8	897.5	918.0	936.2	952.0	965.5	976.6
75°	969.7	1008.9	1048.8	1086.0	1120.1	1151.3	1179.3	1204.2	1225.9	1244.4	1259.5
72.5°	1200.7	1250.8	1301.1	1358.2	1410.9	1458.9	1502.2	1540.7	1574.2	1602.7	1626.1
70°	1480.3	1555.9	1626.6	1698.8	1775.5	1845.4	1908.4	1964.4	2013.3	2054.8	2089.0
67.5°	1816.2	1924.3	2025.5	2119.7	2217.9	2313.0	2398.8	2475.1	2541.6	2598.3	2644.8
65°	2208.8	2353.8	2489.7	2616.2	2734.4	2872.4	2997.0	3107.8	3204.6	3286.9	3354.7
62.5°	2664.5	2853.5	3048.5	3230.1	3397.8	3563.4	3724.4	3867.7	3992.9	4099.5	4187.2
60°	3230.1	3458.5	3704.8	3937.1	4151.9	4348.7	4532.1	4695.4	4838.2	4960.0	5060.2
57.5°	3862.2	4151.9	4426.9	4689.2	4932.0	5154.5	5350.8	5522.5	5672.8	5800.9	5906.5
55°	4532.1	4856.7	5162.3	5438.9	5692.2	5924.5	6130.5	6296.9	6442.6	6566.9	6669.5
52.5°	5208.2	5545.2	5861.8	6151.0	6394.5	6618.2	6821.1	6988.0	7131.5	7254.2	7355.4
50°	5846.5	6195.3	6497.6	6781.2	7026.1	7245.0	7443.9	7613.7	7754.9	7875.6	7975.3
47.5°	6429.6	6773.3	7074.6	7350.4	7600.4	7814.2	8008.7	8180.9	8322.0	8442.9	8542.9
45°	6961.9	7293.9	7601.8	7869.4	8119.2	8334.2	8527.8	8701.6	8837.0	8950.8	9045.0
42.5°	7442.3	7771.6	8075.8	8346.1	8593.1	8808.4	8989.3	9152.1	9284.5	9390.7	9478.8
40°	7874.8	8210.8	8509.5	8782.8	9012.1	9223.6	9391.3	9542.6	9671.8	9773.0	9857.1
37.5°	8275.8	8609.0	8899.8	9161.0	9379.8	9576.4	9742.5	9886.0	10012.7	10106.6	10184.7
35°	8642.3	8958.9	9246.6	9486.1	9703.0	9888.2	10051.7	10184.0	10301.7	10391.2	10462.5
32.5°	8958.9	9272.8	9539.9	9775.7	9987.5	10160.2	10317.1	10438.3	10545.1	10631.2	10697.4
30°	9246.6	9539.9	9800.1	10033.7	10226.6	10394.9	10536.1	10654.5	10753.2	10835.3	10893.6
27.5°	9486.1	9775.7	10033.7	10249.0	10433.7	10595.7	10724.9	10838.9	10925.1	11000.7	11050.7
25°	9703.0	9987.5	10226.6	10433.7	10612.9	10760.8	10883.8	10987.1	11063.5	11128.2	11165.5
22.5°	9888.2	10160.2	10394.9	10595.7	10760.8	10899.0	11015.0	11115.6	11180.3	11223.9	11234.6
20°	10051.7	10317.1	10536.1	10724.9	10883.8	11015.0	11115.6	11180.3	11223.9	11238.9	11236.5
17.5°	10184.0	10438.3	10654.5	10838.9	10987.1	11102.4	11180.3	11225.9	11238.9	11236.5	11230.1
15°	10301.7	10545.1	10753.2	10925.1	11063.5	11164.9	11223.9	11238.9	11235.1	11221.9	11201.7
12.5°	10391.2	10631.2	10835.3	11000.7	11128.2	11204.1	11234.6	11236.5	11221.9	11196.8	11168.0
10°	10462.5	10697.4	10893.6	11050.7	11165.5	11226.2	11240.9	11230.1	11201.7	11168.0	11136.1
7.5°	10518.8	10750.0	10939.9	11090.7	11189.9	11232.9	11236.1	11215.8	11181.7	11143.4	11108.9
5°	10559.6	10788.1	10973.6	11119.9	11207.8	11237.9	11232.6	11204.6	11165.1	11125.1	11093.5
2.5°	10584.3	10811.2	10994.1	11137.6	11218.7	11241.0	11230.4	11197.7	11154.6	11113.3	11083.3
0°	10592.6	10818.9	11001.0	11143.6	11222.4	11242.0	11229.7	11195.3	11151.0	11109.2	11079.7
-2.5°	10584.3	10811.2	10994.1	11137.6	11218.7	11241.0	11230.4	11197.7	11154.6	11113.3	11083.3
-5°	10559.6	10788.1	10973.6	11119.9	11207.8	11237.9	11232.6	11204.6	11165.1	11125.1	11093.5
-7.5°	10518.8	10750.0	10939.9	11090.7	11189.9	11232.9	11236.1	11215.8	11181.7	11143.4	11108.9
-10°	10462.5	10697.4	10893.6	11050.7	11165.5	11226.2	11240.9	11230.1	11201.7	11168.0	11136.1
-12.5°	10391.2	10631.2	10835.3	11000.7	11128.2	11204.1	11234.6	11236.5	11221.9	11196.8	11168.0
-15°	10301.7	10545.1	10753.2	10925.1	11063.5	11164.9	11223.9	11238.9	11235.1	11221.9	11201.7
-17.5°	10184.0	10438.3	10654.5	10838.9	10987.1	11102.4	11180.3	11225.9	11238.9	11236.5	11230.1
-20°	10051.7	10317.1	10536.1	10724.9	10883.8	11015.0	11115.6	11180.3	11223.9	11234.6	11240.9



REPORT NUMBER: P645498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9888.2	10160.2	10394.9	10595.7	10760.8	10899.0	11015.0	11102.4	11164.9	11204.1	11226.2
-25°	9703.0	9987.5	10226.6	10433.7	10612.9	10760.8	10883.8	10987.1	11063.5	11128.2	11165.5
-27.5°	9486.1	9775.7	10033.7	10249.0	10433.7	10595.7	10724.9	10838.9	10925.1	11000.7	11050.7
-30°	9246.6	9539.9	9800.1	10033.7	10226.6	10394.9	10536.1	10654.5	10753.2	10835.3	10893.6
-32.5°	8958.9	9272.8	9539.9	9775.7	9987.5	10160.2	10317.1	10438.3	10545.1	10631.2	10697.4
-35°	8642.3	8958.9	9246.6	9486.1	9703.0	9888.2	10051.7	10184.0	10301.7	10391.2	10462.5
-37.5°	8275.8	8609.0	8899.8	9161.0	9379.8	9576.4	9742.5	9886.0	10012.7	10106.6	10184.7
-40°	7874.8	8210.8	8509.5	8782.8	9012.1	9223.6	9391.3	9542.6	9671.8	9773.0	9857.1
-42.5°	7442.3	7771.6	8075.8	8346.1	8593.1	8808.4	8989.3	9152.1	9284.5	9390.7	9478.8
-45°	6961.9	7293.9	7601.8	7869.4	8119.2	8334.2	8527.8	8701.6	8837.0	8950.8	9045.0
-47.5°	6429.6	6773.3	7074.6	7350.4	7600.4	7814.2	8008.7	8180.9	8322.0	8442.9	8542.9
-50°	5846.5	6195.3	6497.6	6781.2	7026.1	7245.0	7443.9	7613.7	7754.9	7875.6	7975.3
-52.5°	5208.2	5545.2	5861.8	6151.0	6394.5	6618.2	6821.1	6988.0	7131.5	7254.2	7355.4
-55°	4532.1	4856.7	5162.3	5438.9	5692.2	5924.5	6130.5	6296.9	6442.6	6566.9	6669.5
-57.5°	3862.2	4151.9	4426.9	4689.2	4932.0	5154.5	5350.8	5522.5	5672.8	5800.9	5906.5
-60°	3230.1	3458.5	3704.8	3937.1	4151.9	4348.7	4532.1	4695.4	4838.2	4960.0	5060.2
-62.5°	2664.5	2853.5	3048.5	3230.1	3397.8	3563.4	3724.4	3867.7	3992.9	4099.5	4187.2
-65°	2208.8	2353.8	2489.7	2616.2	2734.4	2872.4	2997.0	3107.8	3204.6	3286.9	3354.7
-67.5°	1816.2	1924.3	2025.5	2119.7	2217.9	2313.0	2398.8	2475.1	2541.6	2598.3	2644.8
-70°	1480.3	1555.9	1626.6	1698.8	1775.5	1845.4	1908.4	1964.4	2013.3	2054.8	2089.0
-72.5°	1200.7	1250.8	1301.1	1358.2	1410.9	1458.9	1502.2	1540.7	1574.2	1602.7	1626.1
-75°	969.7	1008.9	1048.8	1086.0	1120.1	1151.3	1179.3	1204.2	1225.9	1244.4	1259.5
-77.5°	762.1	793.4	822.7	849.8	874.8	897.5	918.0	936.2	952.0	965.5	976.6
-80°	545.0	571.1	595.5	618.2	639.0	658.0	675.1	690.3	703.5	714.7	723.9
-82.5°	339.6	357.4	374.0	389.4	403.5	416.4	428.0	438.3	447.3	454.9	461.1
-85°	168.2	176.3	183.9	190.9	197.4	203.3	208.6	213.3	217.4	220.8	223.7
-87.5°	50.4	51.9	53.3	54.5	55.7	56.8	57.8	58.7	59.4	60.0	60.6
-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: P645498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-LAM-XX

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°	61.0	61.3	61.4	61.5	61.4	61.3	61.0	60.6	60.0	59.4	58.7
85°	225.9	227.5	228.5	228.8	228.5	227.5	225.9	223.7	220.8	217.4	213.3
82.5°	466.0	469.5	471.6	472.3	471.6	469.5	466.0	461.1	454.9	447.3	438.3
80°	731.1	736.3	739.4	740.4	739.4	736.3	731.1	723.9	714.7	703.5	690.3
77.5°	985.2	991.4	995.1	996.3	995.1	991.4	985.2	976.6	965.5	952.0	936.2
75°	1271.4	1279.8	1284.9	1286.6	1284.9	1279.8	1271.4	1259.5	1244.4	1225.9	1204.2
72.5°	1644.3	1657.4	1665.3	1667.9	1665.3	1657.4	1644.3	1626.1	1602.7	1574.2	1540.7
70°	2115.6	2134.7	2146.2	2150.0	2146.2	2134.7	2115.6	2089.0	2054.8	2013.3	1964.4
67.5°	2681.2	2707.2	2722.9	2728.1	2722.9	2707.2	2681.2	2644.8	2598.3	2541.6	2475.1
65°	3407.6	3445.5	3468.3	3475.9	3468.3	3445.5	3407.6	3354.7	3286.9	3204.6	3107.8
62.5°	4255.8	4304.9	4334.4	4344.3	4334.4	4304.9	4255.8	4187.2	4099.5	3992.9	3867.7
60°	5138.5	5194.6	5228.4	5239.7	5228.4	5194.6	5138.5	5060.2	4960.0	4838.2	4695.4
57.5°	5989.0	6048.3	6083.9	6095.8	6083.9	6048.3	5989.0	5906.5	5800.9	5672.8	5522.5
55°	6749.7	6807.3	6841.9	6853.5	6841.9	6807.3	6749.7	6669.5	6566.9	6442.6	6296.9
52.5°	7434.7	7491.6	7525.9	7537.3	7525.9	7491.6	7434.7	7355.4	7254.2	7131.5	6988.0
50°	8053.5	8109.7	8143.5	8154.8	8143.5	8109.7	8053.5	7975.3	7875.6	7754.9	7613.7
47.5°	8621.3	8677.7	8711.6	8723.0	8711.6	8677.7	8621.3	8542.9	8442.9	8322.0	8180.9
45°	9118.9	9172.2	9204.3	9215.0	9204.3	9172.2	9118.9	9045.0	8950.8	8837.0	8701.6
42.5°	9548.0	9597.9	9628.0	9638.1	9628.0	9597.9	9548.0	9478.8	9390.7	9284.5	9152.1
40°	9923.3	9971.1	9999.9	10009.6	9999.9	9971.1	9923.3	9857.1	9773.0	9671.8	9542.6
37.5°	10246.4	10291.0	10317.9	10326.9	10317.9	10291.0	10246.4	10184.7	10106.6	10012.7	9886.0
35°	10518.8	10559.6	10584.3	10592.6	10584.3	10559.6	10518.8	10462.5	10391.2	10301.7	10184.0
32.5°	10750.0	10788.1	10811.2	10818.9	10811.2	10788.1	10750.0	10697.4	10631.2	10545.1	10438.3
30°	10939.9	10973.6	10994.1	11001.0	10994.1	10973.6	10939.9	10893.6	10835.3	10753.2	10654.5
27.5°	11090.7	11119.9	11137.6	11143.6	11137.6	11119.9	11090.7	11050.7	11000.7	10925.1	10838.9
25°	11189.9	11207.8	11218.7	11222.4	11218.7	11207.8	11189.9	11165.5	11128.2	11063.5	10987.1
22.5°	11232.9	11237.9	11241.0	11242.0	11241.0	11237.9	11232.9	11226.2	11204.1	11164.9	11102.4
20°	11236.1	11232.6	11230.4	11229.7	11230.4	11232.6	11236.1	11240.9	11234.6	11223.9	11180.3
17.5°	11215.8	11204.6	11197.7	11195.3	11197.7	11204.6	11215.8	11230.1	11236.5	11238.9	11225.9
15°	11181.7	11165.1	11154.6	11151.0	11154.6	11165.1	11181.7	11201.7	11221.9	11235.1	11238.9
12.5°	11143.4	11125.1	11113.3	11109.2	11113.3	11125.1	11143.4	11168.0	11196.8	11221.9	11236.5
10°	11108.9	11093.5	11083.3	11079.7	11083.3	11093.5	11108.9	11136.1	11168.0	11201.7	11230.1
7.5°	11086.7	11072.9	11065.3	11062.5	11065.3	11072.9	11086.7	11108.9	11143.4	11181.7	11215.8
5°	11072.9	11059.1	11047.4	11042.8	11047.4	11059.1	11072.9	11093.5	11125.1	11165.1	11204.6
2.5°	11065.3	11047.4	11029.8	11020.6	11029.8	11047.4	11065.3	11083.3	11113.3	11154.6	11197.7
0°	11062.5	11042.8	11020.6	11023.1	11020.6	11042.8	11062.5	11079.7	11109.2	11151.0	11195.3
-2.5°	11065.3	11047.4	11029.8	11020.6	11029.8	11047.4	11065.3	11083.3	11113.3	11154.6	11197.7
-5°	11072.9	11059.1	11047.4	11042.8	11047.4	11059.1	11072.9	11093.5	11125.1	11165.1	11204.6
-7.5°	11086.7	11072.9	11065.3	11062.5	11065.3	11072.9	11086.7	11108.9	11143.4	11181.7	11215.8
-10°	11108.9	11093.5	11083.3	11079.7	11083.3	11093.5	11108.9	11136.1	11168.0	11201.7	11230.1
-12.5°	11143.4	11125.1	11113.3	11109.2	11113.3	11125.1	11143.4	11168.0	11196.8	11221.9	11236.5
-15°	11181.7	11165.1	11154.6	11151.0	11154.6	11165.1	11181.7	11201.7	11221.9	11235.1	11238.9
-17.5°	11215.8	11204.6	11197.7	11195.3	11197.7	11204.6	11215.8	11230.1	11236.5	11238.9	11225.9
-20°	11236.1	11232.6	11230.4	11229.7	11230.4	11232.6	11236.1	11240.9	11234.6	11223.9	11180.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645498 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11232.9	11237.9	11241.0	11242.0	11241.0	11237.9	11232.9	11226.2	11204.1	11164.9	11102.4
-25°	11189.9	11207.8	11218.7	11222.4	11218.7	11207.8	11189.9	11165.5	11128.2	11063.5	10987.1
-27.5°	11090.7	11119.9	11137.6	11143.6	11137.6	11119.9	11090.7	11050.7	11000.7	10925.1	10838.9
-30°	10939.9	10973.6	10994.1	11001.0	10994.1	10973.6	10939.9	10893.6	10835.3	10753.2	10654.5
-32.5°	10750.0	10788.1	10811.2	10818.9	10811.2	10788.1	10750.0	10697.4	10631.2	10545.1	10438.3
-35°	10518.8	10559.6	10584.3	10592.6	10584.3	10559.6	10518.8	10462.5	10391.2	10301.7	10184.0
-37.5°	10246.4	10291.0	10317.9	10326.9	10317.9	10291.0	10246.4	10184.7	10106.6	10012.7	9886.0
-40°	9923.3	9971.1	9999.9	10009.6	9999.9	9971.1	9923.3	9857.1	9773.0	9671.8	9542.6
-42.5°	9548.0	9597.9	9628.0	9638.1	9628.0	9597.9	9548.0	9478.8	9390.7	9284.5	9152.1
-45°	9118.9	9172.2	9204.3	9215.0	9204.3	9172.2	9118.9	9045.0	8950.8	8837.0	8701.6
-47.5°	8621.3	8677.7	8711.6	8723.0	8711.6	8677.7	8621.3	8542.9	8442.9	8322.0	8180.9
-50°	8053.5	8109.7	8143.5	8154.8	8143.5	8109.7	8053.5	7975.3	7875.6	7754.9	7613.7
-52.5°	7434.7	7491.6	7525.9	7537.3	7525.9	7491.6	7434.7	7355.4	7254.2	7131.5	6988.0
-55°	6749.7	6807.3	6841.9	6853.5	6841.9	6807.3	6749.7	6669.5	6566.9	6442.6	6296.9
-57.5°	5989.0	6048.3	6083.9	6095.8	6083.9	6048.3	5989.0	5906.5	5800.9	5672.8	5522.5
-60°	5138.5	5194.6	5228.4	5239.7	5228.4	5194.6	5138.5	5060.2	4960.0	4838.2	4695.4
-62.5°	4255.8	4304.9	4334.4	4344.3	4334.4	4304.9	4255.8	4187.2	4099.5	3992.9	3867.7
-65°	3407.6	3445.5	3468.3	3475.9	3468.3	3445.5	3407.6	3354.7	3286.9	3204.6	3107.8
-67.5°	2681.2	2707.2	2722.9	2728.1	2722.9	2707.2	2681.2	2644.8	2598.3	2541.6	2475.1
-70°	2115.6	2134.7	2146.2	2150.0	2146.2	2134.7	2115.6	2089.0	2054.8	2013.3	1964.4
-72.5°	1644.3	1657.4	1665.3	1667.9	1665.3	1657.4	1644.3	1626.1	1602.7	1574.2	1540.7
-75°	1271.4	1279.8	1284.9	1286.6	1284.9	1279.8	1271.4	1259.5	1244.4	1225.9	1204.2
-77.5°	985.2	991.4	995.1	996.3	995.1	991.4	985.2	976.6	965.5	952.0	936.2
-80°	731.1	736.3	739.4	740.4	739.4	736.3	731.1	723.9	714.7	703.5	690.3
-82.5°	466.0	469.5	471.6	472.3	471.6	469.5	466.0	461.1	454.9	447.3	438.3
-85°	225.9	227.5	228.5	228.8	228.5	227.5	225.9	223.7	220.8	217.4	213.3
-87.5°	61.0	61.3	61.4	61.5	61.4	61.3	61.0	60.6	60.0	59.4	58.7
-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: P645498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-LAM-XX

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°	57.8	56.8	55.7	54.5	53.3	51.9	50.4	48.8	47.1	45.3	43.5
85°	208.6	203.3	197.4	190.9	183.9	176.3	168.2	159.5	150.4	140.7	130.6
82.5°	428.0	416.4	403.5	389.4	374.0	357.4	339.6	320.7	300.7	279.7	257.6
80°	675.1	658.0	639.0	618.2	595.5	571.1	545.0	517.2	487.8	458.2	428.8
77.5°	918.0	897.5	874.8	849.8	822.7	793.4	762.1	728.3	691.5	652.7	612.1
75°	1179.3	1151.3	1120.1	1086.0	1048.8	1008.9	969.7	929.7	887.4	842.8	796.2
72.5°	1502.2	1458.9	1410.9	1358.2	1301.1	1250.8	1200.7	1147.5	1091.3	1032.2	973.4
70°	1908.4	1845.4	1775.5	1698.8	1626.6	1555.9	1480.3	1400.1	1315.4	1240.8	1170.0
67.5°	2398.8	2313.0	2217.9	2119.7	2025.5	1924.3	1816.2	1701.5	1598.8	1498.3	1393.3
65°	2997.0	2872.4	2734.4	2616.2	2489.7	2353.8	2208.8	2070.9	1935.9	1794.2	1650.8
62.5°	3724.4	3563.4	3397.8	3230.1	3048.5	2853.5	2664.5	2494.4	2315.3	2131.4	1968.1
60°	4532.1	4348.7	4151.9	3937.1	3704.8	3458.5	3230.1	2988.5	2734.4	2527.3	2313.0
57.5°	5350.8	5154.5	4932.0	4689.2	4426.9	4151.9	3862.2	3556.1	3268.0	2978.5	2688.6
55°	6130.5	5924.5	5692.2	5438.9	5162.3	4856.7	4532.1	4194.3	3845.7	3481.8	3155.1
52.5°	6821.1	6618.2	6394.5	6151.0	5861.8	5545.2	5208.2	4838.2	4450.6	4055.4	3648.4
50°	7443.9	7245.0	7026.1	6781.2	6497.6	6195.3	5846.5	5466.1	5060.2	4626.7	4182.4
47.5°	8008.7	7814.2	7600.4	7350.4	7074.6	6773.3	6429.6	6065.2	5639.3	5194.6	4715.4
45°	8527.8	8334.2	8119.2	7869.4	7601.8	7293.9	6961.9	6588.0	6186.0	5726.6	5239.7
42.5°	8989.3	8808.4	8593.1	8346.1	8075.8	7771.6	7442.3	7071.6	6667.9	6225.4	5726.6
40°	9391.3	9223.6	9012.1	8782.8	8509.5	8210.8	7874.8	7517.2	7108.4	6667.9	6186.0
37.5°	9742.5	9576.4	9379.8	9161.0	8899.8	8609.0	8275.8	7909.4	7517.2	7071.6	6588.0
35°	10051.7	9888.2	9703.0	9486.1	9246.6	8958.9	8642.3	8275.8	7874.8	7442.3	6961.9
32.5°	10317.1	10160.2	9987.5	9775.7	9539.9	9272.8	8958.9	8609.0	8210.8	7771.6	7293.9
30°	10536.1	10394.9	10226.6	10033.7	9800.1	9539.9	9246.6	8899.8	8509.5	8075.8	7601.8
27.5°	10724.9	10595.7	10433.7	10249.0	10033.7	9775.7	9486.1	9161.0	8782.8	8346.1	7869.4
25°	10883.8	10760.8	10612.9	10433.7	10226.6	9987.5	9703.0	9379.8	9012.1	8593.1	8119.2
22.5°	11015.0	10899.0	10760.8	10595.7	10394.9	10160.2	9888.2	9576.4	9223.6	8808.4	8334.2
20°	11115.6	11015.0	10883.8	10724.9	10536.1	10317.1	10051.7	9742.5	9391.3	8989.3	8527.8
17.5°	11180.3	11102.4	10987.1	10838.9	10654.5	10438.3	10184.0	9886.0	9542.6	9152.1	8701.6
15°	11223.9	11164.9	11063.5	10925.1	10753.2	10545.1	10301.7	10012.7	9671.8	9284.5	8837.0
12.5°	11234.6	11204.1	11128.2	11000.7	10835.3	10631.2	10391.2	10106.6	9773.0	9390.7	8950.8
10°	11240.9	11226.2	11165.5	11050.7	10893.6	10697.4	10462.5	10184.7	9857.1	9478.8	9045.0
7.5°	11236.1	11232.9	11189.9	11090.7	10939.9	10750.0	10518.8	10246.4	9923.3	9548.0	9118.9
5°	11232.6	11237.9	11207.8	11119.9	10973.6	10788.1	10559.6	10291.0	9971.1	9597.9	9172.2
2.5°	11230.4	11241.0	11218.7	11137.6	10994.1	10811.2	10584.3	10317.9	9999.9	9628.0	9204.3
0°	11229.7	11242.0	11222.4	11143.6	11001.0	10818.9	10592.6	10326.9	10009.6	9638.1	9215.0
-2.5°	11230.4	11241.0	11218.7	11137.6	10994.1	10811.2	10584.3	10317.9	9999.9	9628.0	9204.3
-5°	11232.6	11237.9	11207.8	11119.9	10973.6	10788.1	10559.6	10291.0	9971.1	9597.9	9172.2
-7.5°	11236.1	11232.9	11189.9	11090.7	10939.9	10750.0	10518.8	10246.4	9923.3	9548.0	9118.9
-10°	11240.9	11226.2	11165.5	11050.7	10893.6	10697.4	10462.5	10184.7	9857.1	9478.8	9045.0
-12.5°	11234.6	11204.1	11128.2	11000.7	10835.3	10631.2	10391.2	10106.6	9773.0	9390.7	8950.8
-15°	11223.9	11164.9	11063.5	10925.1	10753.2	10545.1	10301.7	10012.7	9671.8	9284.5	8837.0
-17.5°	11180.3	11102.4	10987.1	10838.9	10654.5	10438.3	10184.0	9886.0	9542.6	9152.1	8701.6
-20°	11115.6	11015.0	10883.8	10724.9	10536.1	10317.1	10051.7	9742.5	9391.3	8989.3	8527.8



REPORT NUMBER: P645498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11015.0	10899.0	10760.8	10595.7	10394.9	10160.2	9888.2	9576.4	9223.6	8808.4	8334.2
-25°	10883.8	10760.8	10612.9	10433.7	10226.6	9987.5	9703.0	9379.8	9012.1	8593.1	8119.2
-27.5°	10724.9	10595.7	10433.7	10249.0	10033.7	9775.7	9486.1	9161.0	8782.8	8346.1	7869.4
-30°	10536.1	10394.9	10226.6	10033.7	9800.1	9539.9	9246.6	8899.8	8509.5	8075.8	7601.8
-32.5°	10317.1	10160.2	9987.5	9775.7	9539.9	9272.8	8958.9	8609.0	8210.8	7771.6	7293.9
-35°	10051.7	9888.2	9703.0	9486.1	9246.6	8958.9	8642.3	8275.8	7874.8	7442.3	6961.9
-37.5°	9742.5	9576.4	9379.8	9161.0	8899.8	8609.0	8275.8	7909.4	7517.2	7071.6	6588.0
-40°	9391.3	9223.6	9012.1	8782.8	8509.5	8210.8	7874.8	7517.2	7108.4	6667.9	6186.0
-42.5°	8989.3	8808.4	8593.1	8346.1	8075.8	7771.6	7442.3	7071.6	6667.9	6225.4	5726.6
-45°	8527.8	8334.2	8119.2	7869.4	7601.8	7293.9	6961.9	6588.0	6186.0	5726.6	5239.7
-47.5°	8008.7	7814.2	7600.4	7350.4	7074.6	6773.3	6429.6	6065.2	5639.3	5194.6	4715.4
-50°	7443.9	7245.0	7026.1	6781.2	6497.6	6195.3	5846.5	5466.1	5060.2	4626.7	4182.4
-52.5°	6821.1	6618.2	6394.5	6151.0	5861.8	5545.2	5208.2	4838.2	4450.6	4055.4	3648.4
-55°	6130.5	5924.5	5692.2	5438.9	5162.3	4856.7	4532.1	4194.3	3845.7	3481.8	3155.1
-57.5°	5350.8	5154.5	4932.0	4689.2	4426.9	4151.9	3862.2	3556.1	3268.0	2978.5	2688.6
-60°	4532.1	4348.7	4151.9	3937.1	3704.8	3458.5	3230.1	2988.5	2734.4	2527.3	2313.0
-62.5°	3724.4	3563.4	3397.8	3230.1	3048.5	2853.5	2664.5	2494.4	2315.3	2131.4	1968.1
-65°	2997.0	2872.4	2734.4	2616.2	2489.7	2353.8	2208.8	2070.9	1935.9	1794.2	1650.8
-67.5°	2398.8	2313.0	2217.9	2119.7	2025.5	1924.3	1816.2	1701.5	1598.8	1498.3	1393.3
-70°	1908.4	1845.4	1775.5	1698.8	1626.6	1555.9	1480.3	1400.1	1315.4	1240.8	1170.0
-72.5°	1502.2	1458.9	1410.9	1358.2	1301.1	1250.8	1200.7	1147.5	1091.3	1032.2	973.4
-75°	1179.3	1151.3	1120.1	1086.0	1048.8	1008.9	969.7	929.7	887.4	842.8	796.2
-77.5°	918.0	897.5	874.8	849.8	822.7	793.4	762.1	728.3	691.5	652.7	612.1
-80°	675.1	658.0	639.0	618.2	595.5	571.1	545.0	517.2	487.8	458.2	428.8
-82.5°	428.0	416.4	403.5	389.4	374.0	357.4	339.6	320.7	300.7	279.7	257.6
-85°	208.6	203.3	197.4	190.9	183.9	176.3	168.2	159.5	150.4	140.7	130.6
-87.5°	57.8	56.8	55.7	54.5	53.3	51.9	50.4	48.8	47.1	45.3	43.5
-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: P645498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-LAM-XX

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°	41.5	39.5	37.4	35.3	33.0	30.7	28.4	26.0	23.5	21.0	18.5
85°	120.1	109.1	97.7	86.0	73.8	61.4	56.7	51.9	47.0	42.0	36.9
82.5°	234.6	216.3	199.2	181.5	163.3	144.6	125.4	105.8	85.8	65.4	55.3
80°	398.0	366.0	332.8	298.6	263.2	227.5	202.0	175.8	149.2	122.1	94.5
77.5°	569.7	525.6	479.9	436.4	392.3	346.9	300.5	253.0	212.1	178.3	143.9
75°	747.6	695.0	640.2	583.5	525.2	466.0	410.3	353.4	295.4	236.5	192.9
72.5°	916.6	857.6	796.5	733.1	665.1	595.3	523.9	452.9	385.4	316.8	247.1
70°	1096.1	1019.5	946.9	874.8	800.7	723.9	642.4	559.3	474.5	396.1	316.8
67.5°	1284.7	1198.3	1109.1	1017.2	931.4	845.9	758.6	666.1	571.1	474.5	385.4
65°	1529.1	1402.9	1276.0	1173.8	1068.9	965.5	868.7	769.9	666.1	559.3	452.9
62.5°	1798.4	1632.2	1488.8	1341.2	1212.9	1094.8	976.9	868.7	758.6	642.4	523.9
60°	2100.4	1908.4	1710.5	1540.7	1375.7	1225.9	1094.8	965.5	845.9	723.9	595.3
57.5°	2447.0	2197.3	1974.9	1754.6	1558.0	1375.7	1212.9	1068.9	931.4	800.7	665.1
55°	2817.6	2528.0	2251.0	1997.2	1754.6	1540.7	1341.2	1173.8	1017.2	874.8	733.1
52.5°	3262.0	2888.3	2555.1	2251.0	1974.9	1710.5	1488.8	1276.0	1109.1	946.9	796.5
50°	3732.3	3297.8	2888.3	2528.0	2197.3	1908.4	1632.2	1402.9	1198.3	1019.5	857.6
47.5°	4225.0	3732.3	3262.0	2817.6	2447.0	2100.4	1798.4	1529.1	1284.7	1096.1	916.6
45°	4715.4	4182.4	3648.4	3155.1	2688.6	2313.0	1968.1	1650.8	1393.3	1170.0	973.4
42.5°	5194.6	4626.7	4055.4	3481.8	2978.5	2527.3	2131.4	1794.2	1498.3	1240.8	1032.2
40°	5639.3	5060.2	4450.6	3845.7	3268.0	2734.4	2315.3	1935.9	1598.8	1315.4	1091.3
37.5°	6065.2	5466.1	4838.2	4194.3	3556.1	2988.5	2494.4	2070.9	1701.5	1400.1	1147.5
35°	6429.6	5846.5	5208.2	4532.1	3862.2	3230.1	2664.5	2208.8	1816.2	1480.3	1200.7
32.5°	6773.3	6195.3	5545.2	4856.7	4151.9	3458.5	2853.5	2353.8	1924.3	1555.9	1250.8
30°	7074.6	6497.6	5861.8	5162.3	4426.9	3704.8	3048.5	2489.7	2025.5	1626.6	1301.1
27.5°	7350.4	6781.2	6151.0	5438.9	4689.2	3937.1	3230.1	2616.2	2119.7	1698.8	1358.2
25°	7600.4	7026.1	6394.5	5692.2	4932.0	4151.9	3397.8	2734.4	2217.9	1775.5	1410.9
22.5°	7814.2	7245.0	6618.2	5924.5	5154.5	4348.7	3563.4	2872.4	2313.0	1845.4	1458.9
20°	8008.7	7443.9	6821.1	6130.5	5350.8	4532.1	3724.4	2997.0	2398.8	1908.4	1502.2
17.5°	8180.9	7613.7	6988.0	6296.9	5522.5	4695.4	3867.7	3107.8	2475.1	1964.4	1540.7
15°	8322.0	7754.9	7131.5	6442.6	5672.8	4838.2	3992.9	3204.6	2541.6	2013.3	1574.2
12.5°	8442.9	7875.6	7254.2	6566.9	5800.9	4960.0	4099.5	3286.9	2598.3	2054.8	1602.7
10°	8542.9	7975.3	7355.4	6669.5	5906.5	5060.2	4187.2	3354.7	2644.8	2089.0	1626.1
7.5°	8621.3	8053.5	7434.7	6749.7	5989.0	5138.5	4255.8	3407.6	2681.2	2115.6	1644.3
5°	8677.7	8109.7	7491.6	6807.3	6048.3	5194.6	4304.9	3445.5	2707.2	2134.7	1657.4
2.5°	8711.6	8143.5	7525.9	6841.9	6083.9	5228.4	4334.4	3468.3	2722.9	2146.2	1665.3
0°	8723.0	8154.8	7537.3	6853.5	6095.8	5239.7	4344.3	3475.9	2728.1	2150.0	1667.9
-2.5°	8711.6	8143.5	7525.9	6841.9	6083.9	5228.4	4334.4	3468.3	2722.9	2146.2	1665.3
-5°	8677.7	8109.7	7491.6	6807.3	6048.3	5194.6	4304.9	3445.5	2707.2	2134.7	1657.4
-7.5°	8621.3	8053.5	7434.7	6749.7	5989.0	5138.5	4255.8	3407.6	2681.2	2115.6	1644.3
-10°	8542.9	7975.3	7355.4	6669.5	5906.5	5060.2	4187.2	3354.7	2644.8	2089.0	1626.1
-12.5°	8442.9	7875.6	7254.2	6566.9	5800.9	4960.0	4099.5	3286.9	2598.3	2054.8	1602.7
-15°	8322.0	7754.9	7131.5	6442.6	5672.8	4838.2	3992.9	3204.6	2541.6	2013.3	1574.2
-17.5°	8180.9	7613.7	6988.0	6296.9	5522.5	4695.4	3867.7	3107.8	2475.1	1964.4	1540.7
-20°	8008.7	7443.9	6821.1	6130.5	5350.8	4532.1	3724.4	2997.0	2398.8	1908.4	1502.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7814.2	7245.0	6618.2	5924.5	5154.5	4348.7	3563.4	2872.4	2313.0	1845.4	1458.9
-25°	7600.4	7026.1	6394.5	5692.2	4932.0	4151.9	3397.8	2734.4	2217.9	1775.5	1410.9
-27.5°	7350.4	6781.2	6151.0	5438.9	4689.2	3937.1	3230.1	2616.2	2119.7	1698.8	1358.2
-30°	7074.6	6497.6	5861.8	5162.3	4426.9	3704.8	3048.5	2489.7	2025.5	1626.6	1301.1
-32.5°	6773.3	6195.3	5545.2	4856.7	4151.9	3458.5	2853.5	2353.8	1924.3	1555.9	1250.8
-35°	6429.6	5846.5	5208.2	4532.1	3862.2	3230.1	2664.5	2208.8	1816.2	1480.3	1200.7
-37.5°	6065.2	5466.1	4838.2	4194.3	3556.1	2988.5	2494.4	2070.9	1701.5	1400.1	1147.5
-40°	5639.3	5060.2	4450.6	3845.7	3268.0	2734.4	2315.3	1935.9	1598.8	1315.4	1091.3
-42.5°	5194.6	4626.7	4055.4	3481.8	2978.5	2527.3	2131.4	1794.2	1498.3	1240.8	1032.2
-45°	4715.4	4182.4	3648.4	3155.1	2688.6	2313.0	1968.1	1650.8	1393.3	1170.0	973.4
-47.5°	4225.0	3732.3	3262.0	2817.6	2447.0	2100.4	1798.4	1529.1	1284.7	1096.1	916.6
-50°	3732.3	3297.8	2888.3	2528.0	2197.3	1908.4	1632.2	1402.9	1198.3	1019.5	857.6
-52.5°	3262.0	2888.3	2555.1	2251.0	1974.9	1710.5	1488.8	1276.0	1109.1	946.9	796.5
-55°	2817.6	2528.0	2251.0	1997.2	1754.6	1540.7	1341.2	1173.8	1017.2	874.8	733.1
-57.5°	2447.0	2197.3	1974.9	1754.6	1558.0	1375.7	1212.9	1068.9	931.4	800.7	665.1
-60°	2100.4	1908.4	1710.5	1540.7	1375.7	1225.9	1094.8	965.5	845.9	723.9	595.3
-62.5°	1798.4	1632.2	1488.8	1341.2	1212.9	1094.8	976.9	868.7	758.6	642.4	523.9
-65°	1529.1	1402.9	1276.0	1173.8	1068.9	965.5	868.7	769.9	666.1	559.3	452.9
-67.5°	1284.7	1198.3	1109.1	1017.2	931.4	845.9	758.6	666.1	571.1	474.5	385.4
-70°	1096.1	1019.5	946.9	874.8	800.7	723.9	642.4	559.3	474.5	396.1	316.8
-72.5°	916.6	857.6	796.5	733.1	665.1	595.3	523.9	452.9	385.4	316.8	247.1
-75°	747.6	695.0	640.2	583.5	525.2	466.0	410.3	353.4	295.4	236.5	192.9
-77.5°	569.7	525.6	479.9	436.4	392.3	346.9	300.5	253.0	212.1	178.3	143.9
-80°	398.0	366.0	332.8	298.6	263.2	227.5	202.0	175.8	149.2	122.1	94.5
-82.5°	234.6	216.3	199.2	181.5	163.3	144.6	125.4	105.8	85.8	65.4	55.3
-85°	120.1	109.1	97.7	86.0	73.8	61.4	56.7	51.9	47.0	42.0	36.9
-87.5°	41.5	39.5	37.4	35.3	33.0	30.7	28.4	26.0	23.5	21.0	18.5
-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°	15.9	13.3	10.7	8.0	5.4	2.7	0.0
85°	31.8	26.6	21.3	16.0	10.7	5.4	0.0
82.5°	47.6	39.8	31.9	24.0	16.0	8.0	0.0
80°	66.6	53.0	42.5	31.9	21.3	10.7	0.0
77.5°	109.1	73.9	53.0	39.8	26.6	13.3	0.0
75°	151.2	109.1	66.6	47.6	31.8	15.9	0.0
72.5°	192.9	143.9	94.5	55.3	36.9	18.5	0.0
70°	236.5	178.3	122.1	65.4	42.0	21.0	0.0
67.5°	295.4	212.1	149.2	85.8	47.0	23.5	0.0
65°	353.4	253.0	175.8	105.8	51.9	26.0	0.0
62.5°	410.3	300.5	202.0	125.4	56.7	28.4	0.0
60°	466.0	346.9	227.5	144.6	61.4	30.7	0.0
57.5°	525.2	392.3	263.2	163.3	73.8	33.0	0.0
55°	583.5	436.4	298.6	181.5	86.0	35.3	0.0
52.5°	640.2	479.9	332.8	199.2	97.7	37.4	0.0
50°	695.0	525.6	366.0	216.3	109.1	39.5	0.0
47.5°	747.6	569.7	398.0	234.6	120.1	41.5	0.0
45°	796.2	612.1	428.8	257.6	130.6	43.5	0.0
42.5°	842.8	652.7	458.2	279.7	140.7	45.3	0.0
40°	887.4	691.5	487.8	300.7	150.4	47.1	0.0
37.5°	929.7	728.3	517.2	320.7	159.5	48.8	0.0
35°	969.7	762.1	545.0	339.6	168.2	50.4	0.0
32.5°	1008.9	793.4	571.1	357.4	176.3	51.9	0.0
30°	1048.8	822.7	595.5	374.0	183.9	53.3	0.0
27.5°	1086.0	849.8	618.2	389.4	190.9	54.5	0.0
25°	1120.1	874.8	639.0	403.5	197.4	55.7	0.0
22.5°	1151.3	897.5	658.0	416.4	203.3	56.8	0.0
20°	1179.3	918.0	675.1	428.0	208.6	57.8	0.0
17.5°	1204.2	936.2	690.3	438.3	213.3	58.7	0.0
15°	1225.9	952.0	703.5	447.3	217.4	59.4	0.0
12.5°	1244.4	965.5	714.7	454.9	220.8	60.0	0.0
10°	1259.5	976.6	723.9	461.1	223.7	60.6	0.0
7.5°	1271.4	985.2	731.1	466.0	225.9	61.0	0.0
5°	1279.8	991.4	736.3	469.5	227.5	61.3	0.0
2.5°	1284.9	995.1	739.4	471.6	228.5	61.4	0.0
0°	1286.6	996.3	740.4	472.3	228.8	61.5	0.0
-2.5°	1284.9	995.1	739.4	471.6	228.5	61.4	0.0
-5°	1279.8	991.4	736.3	469.5	227.5	61.3	0.0
-7.5°	1271.4	985.2	731.1	466.0	225.9	61.0	0.0
-10°	1259.5	976.6	723.9	461.1	223.7	60.6	0.0
-12.5°	1244.4	965.5	714.7	454.9	220.8	60.0	0.0
-15°	1225.9	952.0	703.5	447.3	217.4	59.4	0.0
-17.5°	1204.2	936.2	690.3	438.3	213.3	58.7	0.0
-20°	1179.3	918.0	675.1	428.0	208.6	57.8	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1151.3	897.5	658.0	416.4	203.3	56.8	0.0
-25°	1120.1	874.8	639.0	403.5	197.4	55.7	0.0
-27.5°	1086.0	849.8	618.2	389.4	190.9	54.5	0.0
-30°	1048.8	822.7	595.5	374.0	183.9	53.3	0.0
-32.5°	1008.9	793.4	571.1	357.4	176.3	51.9	0.0
-35°	969.7	762.1	545.0	339.6	168.2	50.4	0.0
-37.5°	929.7	728.3	517.2	320.7	159.5	48.8	0.0
-40°	887.4	691.5	487.8	300.7	150.4	47.1	0.0
-42.5°	842.8	652.7	458.2	279.7	140.7	45.3	0.0
-45°	796.2	612.1	428.8	257.6	130.6	43.5	0.0
-47.5°	747.6	569.7	398.0	234.6	120.1	41.5	0.0
-50°	695.0	525.6	366.0	216.3	109.1	39.5	0.0
-52.5°	640.2	479.9	332.8	199.2	97.7	37.4	0.0
-55°	583.5	436.4	298.6	181.5	86.0	35.3	0.0
-57.5°	525.2	392.3	263.2	163.3	73.8	33.0	0.0
-60°	466.0	346.9	227.5	144.6	61.4	30.7	0.0
-62.5°	410.3	300.5	202.0	125.4	56.7	28.4	0.0
-65°	353.4	253.0	175.8	105.8	51.9	26.0	0.0
-67.5°	295.4	212.1	149.2	85.8	47.0	23.5	0.0
-70°	236.5	178.3	122.1	65.4	42.0	21.0	0.0
-72.5°	192.9	143.9	94.5	55.3	36.9	18.5	0.0
-75°	151.2	109.1	66.6	47.6	31.8	15.9	0.0
-77.5°	109.1	73.9	53.0	39.8	26.6	13.3	0.0
-80°	66.6	53.0	42.5	31.9	21.3	10.7	0.0
-82.5°	47.6	39.8	31.9	24.0	16.0	8.0	0.0
-85°	31.8	26.6	21.3	16.0	10.7	5.4	0.0
-87.5°	15.9	13.3	10.7	8.0	5.4	2.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)