

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: McGRAW-EDISON

Report Number: P559122 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-935-U-WAF-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559122 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA5E-935-U-WAF-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7  
Light Source: (80) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

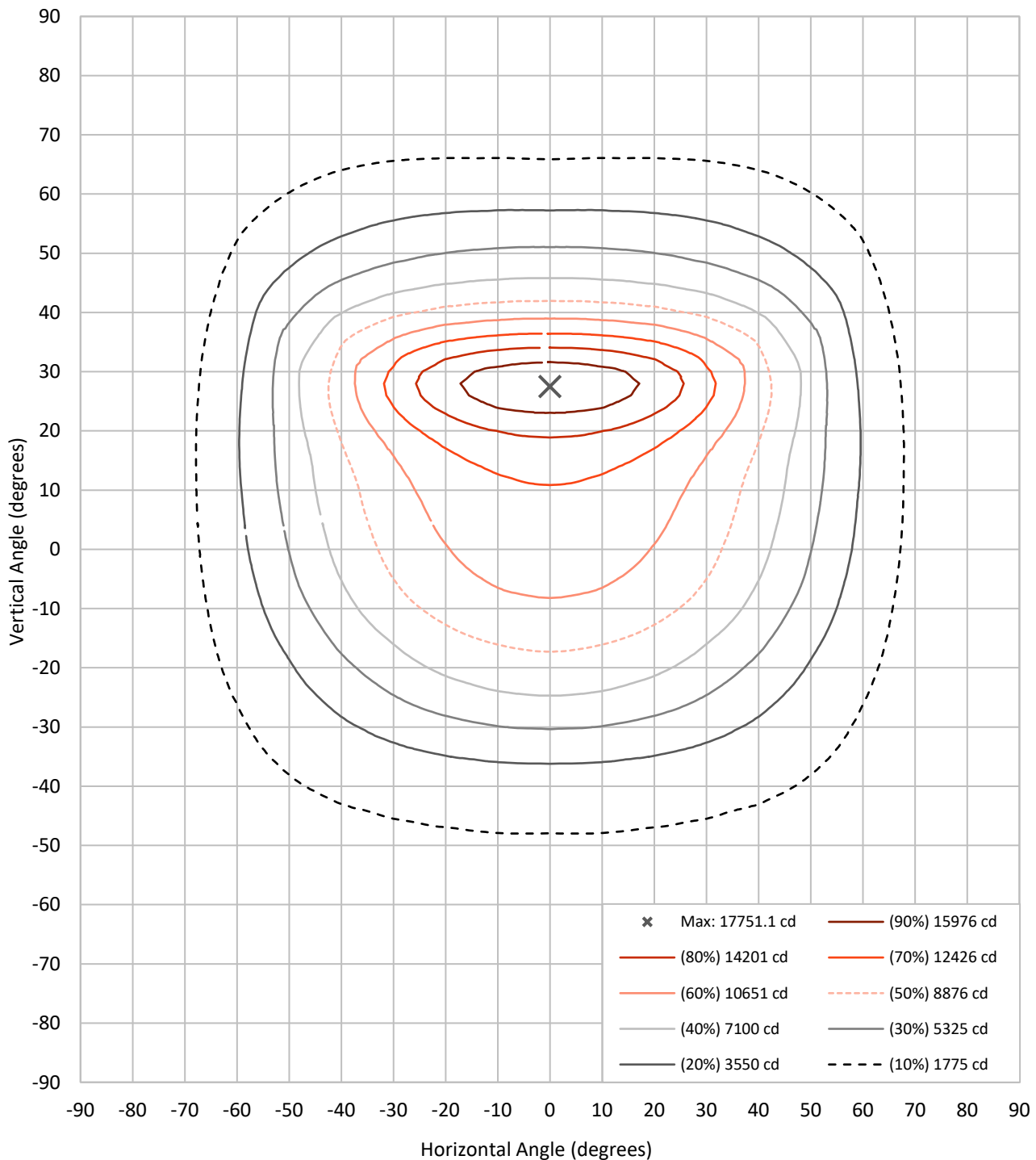
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	25878.1 lumens	Max Intensity:	17751.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	84.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	13448.9 lumens	Field Lumens:	23939.4 lumens
Beam Efficiency:	52.0%	Field Efficiency:	92.5%
Input Watts (W):	307		
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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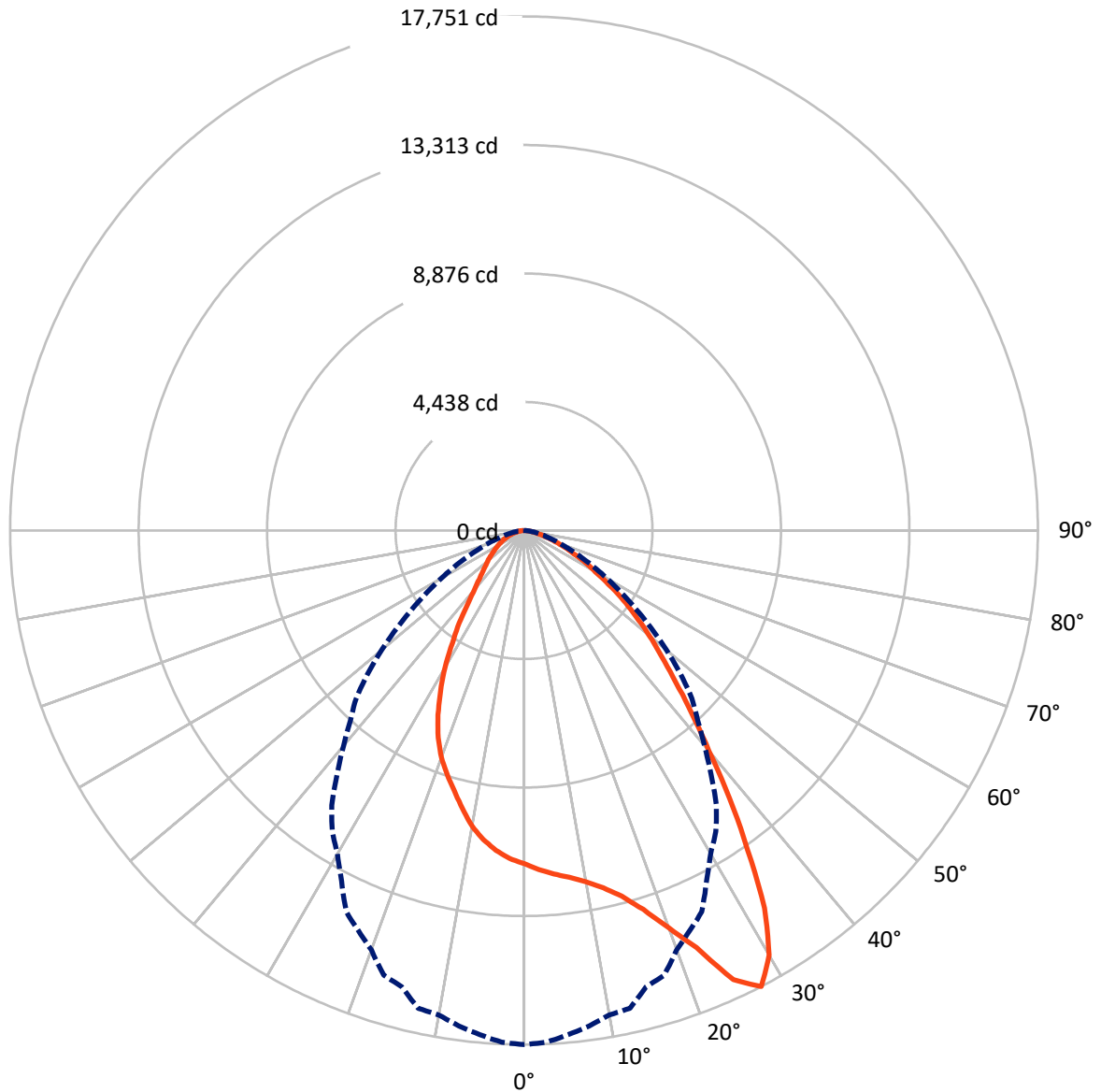
### Iso-Candela Plot





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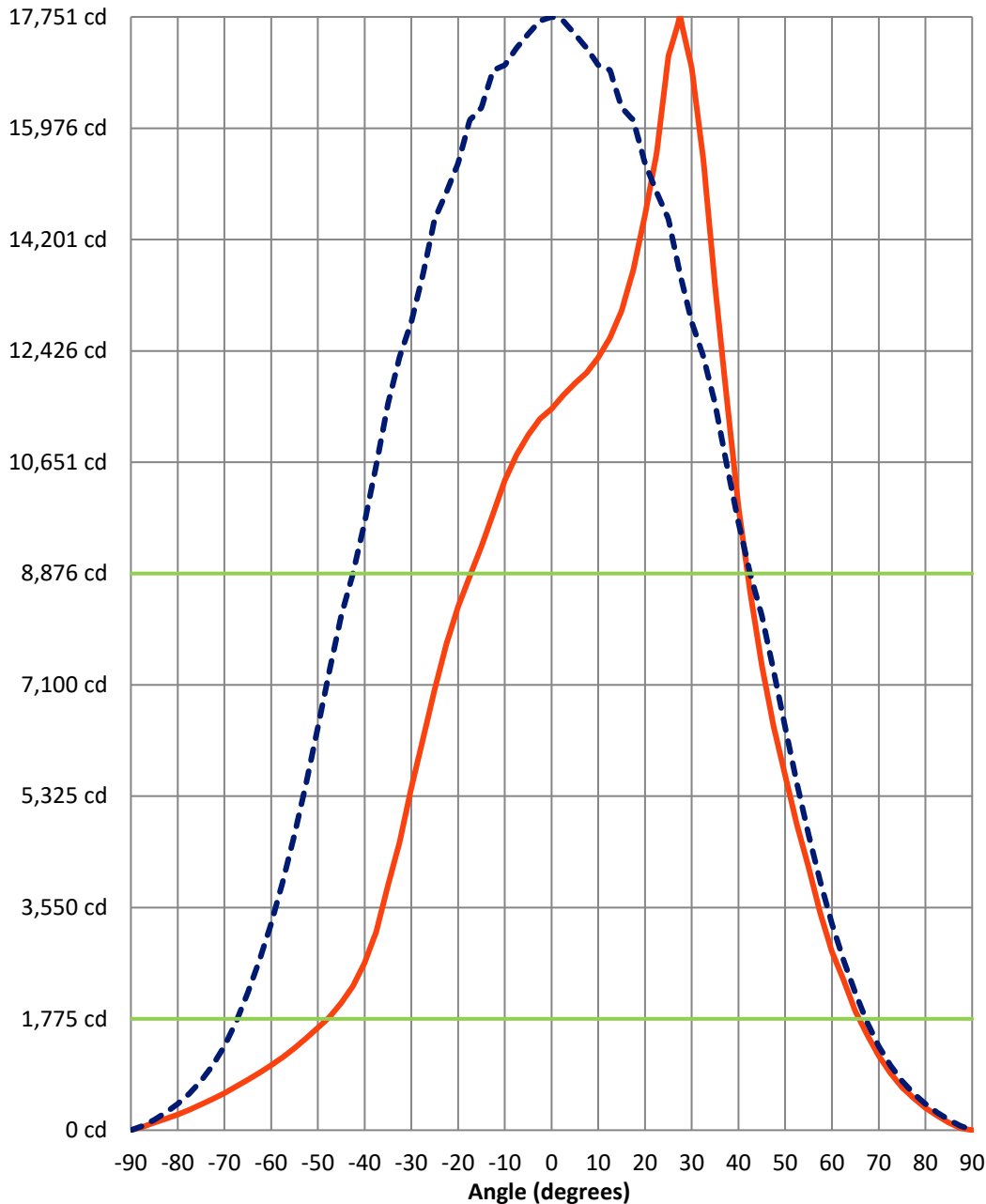
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 27.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 85°  
 V Angle: 59.2°  
 Lumens: 13448.9  
 Efficiency: 52.0%

**Field:**  
 H Angle: 134.5°  
 V Angle: 113.8°  
 Lumens: 23939.4  
 Efficiency: 92.5%

**Spill:**  
 Lumens: 1938.6  
 Efficiency: 7.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 27.5-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	3.4	6.9	10.2	13.5	16.7	19.8	22.8	25.7	28.5	31.1
85°	0.0	6.8	13.8	20.5	27.0	33.4	39.6	45.5	51.3	56.9	62.2
82.5°	0.0	10.2	20.6	30.7	40.5	50.0	59.3	68.2	78.5	95.6	113.5
80°	0.0	13.5	27.5	40.8	53.8	66.5	80.6	103.0	126.4	150.8	176.1
77.5°	0.0	16.8	34.2	50.9	67.1	86.8	114.5	143.5	173.9	205.4	242.1
75°	0.0	20.1	40.9	60.9	81.7	113.8	147.9	183.6	222.0	270.4	320.1
72.5°	0.0	23.4	47.5	70.7	102.3	140.4	180.8	226.0	281.5	338.5	396.9
70°	0.0	26.6	54.0	81.4	122.6	166.5	214.3	276.3	340.0	405.6	482.3
67.5°	0.0	29.7	60.4	95.9	142.4	192.0	255.3	325.7	397.5	482.7	568.5
65°	0.0	32.8	66.7	110.0	161.8	220.4	295.1	373.8	464.1	558.2	657.8
62.5°	0.0	35.9	72.8	123.8	180.7	251.3	333.6	427.5	529.1	634.5	756.2
60°	0.0	38.8	78.8	137.2	199.0	281.2	370.6	482.5	592.4	718.5	851.3
57.5°	0.0	41.7	87.2	150.2	221.0	309.8	412.6	535.3	661.2	799.5	960.1
55°	0.0	44.5	95.4	162.8	242.3	337.3	453.3	584.4	729.2	881.4	1071.3
52.5°	0.0	47.2	103.4	174.9	262.7	364.2	491.9	636.5	794.2	973.2	1176.3
50°	0.0	49.8	111.0	186.4	282.1	393.8	528.1	686.1	859.7	1059.4	1301.7
47.5°	0.0	52.3	118.4	198.1	300.5	421.5	562.7	732.3	929.7	1139.7	1421.3
45°	0.0	54.8	125.5	211.0	317.8	447.4	598.8	774.9	990.7	1236.8	1531.5
42.5°	0.0	57.1	132.2	223.2	334.0	471.4	632.1	819.6	1046.6	1326.2	1655.4
40°	0.0	59.3	138.6	234.8	350.4	493.5	662.5	864.3	1103.1	1406.7	1771.5
37.5°	0.0	61.3	144.7	245.7	366.8	513.5	689.9	904.9	1164.0	1480.2	1875.4
35°	0.0	63.3	150.4	256.0	381.8	533.5	714.2	941.4	1217.7	1558.4	1973.4
32.5°	0.0	65.1	155.8	265.5	395.4	552.3	737.7	973.6	1264.1	1625.3	2060.7
30°	0.0	66.8	160.7	274.3	407.4	568.7	762.9	1003.6	1303.1	1680.9	2133.0
27.5°	0.0	68.4	165.3	282.4	418.9	582.9	784.6	1034.7	1339.5	1725.3	2190.6
25°	0.0	69.8	169.5	289.7	429.0	594.9	803.0	1060.1	1374.9	1766.2	2233.7
22.5°	0.0	71.2	173.3	296.2	437.7	605.3	818.0	1079.8	1401.5	1799.2	2270.6
20°	0.0	72.3	176.6	301.9	445.0	615.6	829.6	1094.1	1419.6	1820.5	2294.5
17.5°	0.0	73.3	179.6	306.9	450.9	624.2	840.1	1103.0	1429.5	1830.6	2305.5
15°	0.0	74.2	182.1	311.0	455.4	630.9	848.5	1109.2	1431.5	1829.9	2304.0
12.5°	0.0	75.0	184.2	314.4	458.6	635.8	853.7	1113.8	1431.5	1819.0	2290.3
10°	0.0	75.6	185.9	317.0	460.5	638.9	855.8	1114.1	1429.1	1813.5	2269.5
7.5°	0.0	76.0	187.2	318.8	461.1	640.2	854.8	1110.3	1420.7	1802.0	2246.3
5°	0.0	76.3	188.0	319.8	460.6	639.7	851.0	1102.5	1406.5	1782.9	2211.9
2.5°	0.0	76.5	188.4	320.0	458.8	637.5	844.5	1090.9	1387.0	1756.4	2167.2
0°	0.0	76.5	188.4	319.5	456.0	633.5	835.5	1075.8	1362.5	1723.0	2113.4
-2.5°	0.0	76.6	187.9	318.0	453.8	627.5	825.9	1060.0	1338.4	1685.9	2059.3
-5°	0.0	76.6	187.1	315.9	450.5	619.9	814.1	1041.1	1310.1	1642.9	1998.1
-7.5°	0.0	76.4	185.8	312.9	446.3	610.8	800.1	1019.3	1277.9	1594.5	1930.8
-10°	0.0	76.0	184.1	309.3	441.0	600.3	784.0	994.8	1242.1	1541.4	1858.2
-12.5°	0.0	75.5	182.0	305.0	434.7	588.4	766.0	968.0	1203.0	1484.8	1786.9
-15°	0.0	74.9	179.6	300.1	427.4	575.4	746.2	938.9	1163.0	1429.1	1714.1
-17.5°	0.0	74.1	176.7	294.5	419.2	561.3	724.6	909.9	1123.1	1370.4	1637.6
-20°	0.0	73.2	173.6	288.2	410.0	546.2	702.3	880.5	1080.9	1309.0	1558.1



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 CATALOG NUMBER: GFLD-SA5E-935-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	72.1	170.0	281.4	400.0	530.2	679.9	849.0	1036.8	1245.5	1476.0
-25°	0.0	70.9	166.1	274.0	389.0	514.2	656.1	815.6	991.2	1180.5	1392.0
-27.5°	0.0	69.5	161.9	266.0	377.1	497.5	631.2	780.4	944.4	1117.4	1312.3
-30°	0.0	68.0	157.4	257.5	364.5	479.8	605.1	743.6	899.1	1059.9	1232.8
-32.5°	0.0	66.3	152.6	248.5	351.5	461.0	578.0	709.3	854.0	1002.1	1153.7
-35°	0.0	64.6	147.5	239.0	337.7	441.4	552.7	675.4	807.5	944.3	1075.4
-37.5°	0.0	62.6	142.1	229.1	323.3	421.6	527.7	640.8	759.9	886.7	1010.7
-40°	0.0	60.6	136.5	218.7	308.3	402.5	501.7	605.7	711.1	830.7	949.4
-42.5°	0.0	58.4	130.6	207.9	293.3	382.8	474.9	570.0	667.3	776.6	887.0
-45°	0.0	56.1	124.5	196.8	278.5	362.6	447.3	535.5	626.1	722.4	824.2
-47.5°	0.0	53.7	118.2	185.3	263.1	341.7	418.9	502.5	584.9	668.1	764.2
-50°	0.0	51.2	111.6	175.0	247.2	320.3	392.9	468.8	544.2	622.6	704.5
-52.5°	0.0	48.5	104.8	164.8	230.8	298.5	367.0	434.5	504.8	576.1	645.9
-55°	0.0	45.8	97.9	154.4	214.0	277.3	340.7	400.1	465.5	528.9	593.9
-57.5°	0.0	42.9	90.7	143.6	196.7	255.9	313.9	369.5	425.6	483.8	541.3
-60°	0.0	40.0	83.4	132.6	179.2	234.1	286.9	338.6	386.3	438.9	489.5
-62.5°	0.0	37.0	77.2	121.4	164.3	211.8	260.6	307.1	350.9	393.5	439.9
-65°	0.0	33.9	70.8	109.9	149.2	189.2	233.7	275.6	315.0	352.6	389.9
-67.5°	0.0	30.7	64.2	98.2	133.8	168.1	206.6	244.4	278.8	312.5	344.3
-70°	0.0	27.5	57.5	86.3	118.1	148.8	179.0	213.1	244.1	272.2	300.3
-72.5°	0.0	24.2	50.6	75.6	102.3	129.3	155.3	181.6	209.4	234.5	256.9
-75°	0.0	20.8	43.6	65.0	86.2	109.6	132.0	153.6	174.5	196.8	216.7
-77.5°	0.0	17.4	36.5	54.4	71.8	89.6	108.5	126.8	144.1	160.4	176.6
-80°	0.0	14.0	29.3	43.6	57.6	71.2	84.8	99.9	114.1	127.5	140.0
-82.5°	0.0	10.5	22.0	32.8	43.3	53.5	63.4	73.7	84.0	94.5	104.4
-85°	0.0	7.0	14.7	21.9	28.9	35.7	42.4	49.2	56.0	62.6	69.2
-87.5°	0.0	3.5	7.4	11.0	14.5	17.9	21.2	24.6	28.0	31.3	34.6
-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: P559122 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-WAF-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°	32.8	34.1	35.2	36.0	37.4	38.6	39.6	40.5	41.3	41.8	42.3
85°	65.6	68.3	76.4	84.1	92.1	99.4	105.9	111.6	116.3	120.0	123.0
82.5°	128.1	141.8	154.7	167.0	178.1	188.1	197.6	208.6	217.5	224.9	230.9
80°	196.5	215.2	237.9	259.2	278.4	296.0	312.0	326.4	337.7	348.9	359.9
77.5°	276.2	306.5	334.6	360.6	385.7	415.1	442.2	467.1	486.2	500.7	511.8
75°	361.9	397.8	438.9	479.6	517.8	553.0	587.1	628.7	662.7	688.1	708.5
72.5°	453.4	505.0	555.2	604.0	660.1	714.6	767.6	818.8	863.7	896.7	923.4
70°	552.2	612.2	681.6	751.7	819.2	887.7	960.7	1027.2	1082.1	1121.1	1158.1
67.5°	653.2	737.3	819.4	904.0	999.6	1086.6	1166.3	1250.5	1324.5	1373.4	1416.0
65°	769.6	863.7	973.4	1085.4	1190.3	1299.1	1399.9	1491.1	1584.6	1652.6	1708.4
62.5°	882.1	1014.5	1143.8	1274.8	1406.8	1525.1	1656.6	1774.0	1868.0	1965.3	2048.6
60°	1015.5	1172.8	1331.4	1489.4	1637.1	1803.3	1947.5	2083.9	2209.6	2318.0	2420.6
57.5°	1148.7	1351.8	1539.5	1724.9	1920.2	2097.9	2267.5	2420.3	2570.6	2696.1	2819.1
55°	1288.8	1550.3	1766.8	1995.8	2210.7	2411.5	2602.1	2793.4	2953.6	3126.4	3276.9
52.5°	1444.3	1743.0	2022.8	2275.0	2517.2	2748.8	2976.7	3207.0	3431.9	3611.2	3781.2
50°	1589.6	1945.7	2282.3	2570.0	2848.5	3123.4	3408.3	3696.1	3944.0	4149.1	4326.0
47.5°	1749.7	2134.0	2561.7	2879.9	3214.0	3554.8	3900.6	4218.5	4488.6	4767.5	4962.9
45°	1905.6	2324.6	2788.6	3230.2	3616.7	4029.5	4410.3	4761.0	5152.4	5457.0	5718.2
42.5°	2047.9	2505.1	3021.6	3583.6	4067.0	4509.9	4922.1	5415.5	5865.2	6221.3	6547.1
40°	2194.4	2669.3	3233.4	3911.9	4516.0	4988.7	5490.4	6035.8	6621.0	7059.2	7448.7
37.5°	2328.2	2837.4	3427.2	4162.5	4958.0	5477.7	6032.5	6624.1	7291.4	7950.4	8418.7
35°	2446.6	2979.6	3619.6	4366.3	5180.7	5951.7	6538.5	7168.5	7898.8	8753.9	9393.4
32.5°	2554.1	3095.8	3772.1	4525.3	5351.5	6255.5	6999.9	7646.8	8379.4	9261.8	10347.8
30°	2641.6	3208.3	3885.8	4640.2	5468.8	6369.0	7314.5	8019.3	8714.6	9580.5	10591.2
27.5°	2708.1	3290.8	3964.0	4711.9	5531.5	6421.8	7331.2	8200.7	8873.8	9688.6	10607.7
25°	2759.1	3358.4	4005.5	4738.5	5540.7	6398.6	7273.7	8096.6	8852.1	9570.5	10395.3
22.5°	2801.3	3405.0	4050.9	4720.5	5498.9	6316.2	7139.3	7923.8	8655.1	9327.6	10037.1
20°	2833.0	3434.8	4073.8	4738.1	5428.8	6182.4	6969.5	7716.1	8422.6	9073.8	9651.2
17.5°	2847.3	3443.7	4073.8	4734.8	5416.9	6076.2	6761.5	7479.2	8173.7	8820.6	9391.1
15°	2844.7	3432.1	4051.4	4709.6	5381.4	6034.5	6665.9	7257.9	7904.7	8558.7	9127.1
12.5°	2825.9	3401.1	4007.3	4662.4	5323.8	5969.0	6589.0	7183.5	7763.3	8311.1	8854.6
10°	2791.6	3351.5	3942.5	4593.6	5244.0	5879.7	6491.7	7088.1	7662.0	8199.7	8705.9
7.5°	2756.4	3295.9	3864.6	4503.5	5142.2	5766.7	6373.2	6970.8	7533.4	8070.1	8581.1
5°	2709.9	3237.1	3805.1	4417.2	5032.8	5642.1	6235.7	6830.2	7377.9	7919.5	8432.6
2.5°	2650.9	3163.9	3730.3	4312.7	4910.5	5513.3	6086.9	6670.4	7232.0	7752.5	8258.0
0°	2580.3	3077.3	3639.8	4188.6	4767.5	5362.7	5914.3	6485.0	7069.3	7560.8	8055.0
-2.5°	2503.5	2973.6	3507.9	4054.0	4613.5	5197.2	5762.7	6303.8	6875.2	7372.0	7876.7
-5°	2417.3	2859.0	3362.2	3902.1	4441.3	5010.4	5586.4	6100.8	6646.8	7138.0	7634.4
-7.5°	2323.1	2735.4	3204.6	3731.5	4245.2	4781.9	5327.5	5822.4	6353.1	6839.0	7322.6
-10°	2223.7	2613.4	3051.4	3538.7	4023.0	4523.3	5035.8	5520.4	6030.6	6514.6	6979.9
-12.5°	2128.5	2493.2	2893.5	3336.6	3788.5	4250.8	4727.4	5195.3	5679.3	6165.6	6600.6
-15°	2028.7	2366.8	2730.4	3127.6	3543.7	3966.8	4404.5	4847.3	5301.6	5777.2	6179.2
-17.5°	1925.4	2235.5	2564.0	2913.9	3290.3	3673.4	4075.8	4503.2	4918.9	5352.2	5740.9
-20°	1819.7	2100.3	2396.1	2697.7	3032.1	3399.4	3775.8	4159.3	4537.2	4914.5	5279.5



REPORT NUMBER: P559122 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1712.6	1962.2	2231.4	2496.8	2814.8	3146.5	3476.8	3809.7	4148.6	4473.5	4818.8
-25°	1609.2	1834.0	2071.8	2329.7	2602.8	2895.1	3179.0	3460.3	3760.9	4065.5	4362.7
-27.5°	1509.4	1707.8	1932.3	2162.3	2389.9	2650.0	2898.4	3136.9	3399.2	3667.9	3908.0
-30°	1409.4	1597.9	1794.4	1998.6	2198.7	2415.9	2630.7	2839.9	3053.5	3283.7	3491.7
-32.5°	1316.7	1488.7	1667.6	1846.5	2016.4	2184.9	2383.4	2569.2	2744.1	2907.9	3089.5
-35°	1232.0	1389.6	1545.2	1699.5	1839.4	1987.6	2153.5	2310.1	2450.4	2582.0	2720.8
-37.5°	1152.0	1292.4	1423.4	1561.3	1685.7	1812.6	1934.7	2070.2	2184.0	2289.2	2403.0
-40°	1071.9	1197.4	1315.3	1430.5	1544.6	1650.5	1754.7	1846.9	1938.5	2039.6	2117.9
-42.5°	993.0	1109.5	1215.0	1303.5	1411.0	1502.3	1583.3	1659.6	1734.5	1813.4	1876.1
-45°	923.3	1022.6	1118.9	1203.5	1284.2	1362.0	1430.7	1490.7	1561.5	1616.3	1663.7
-47.5°	853.0	939.0	1027.0	1105.2	1172.6	1235.9	1287.0	1347.2	1405.2	1452.2	1479.9
-50°	783.9	862.5	937.0	1009.9	1071.0	1121.8	1165.9	1215.4	1263.7	1303.5	1329.9
-52.5°	720.1	785.8	854.9	916.9	973.2	1018.7	1060.7	1103.8	1139.2	1166.6	1201.1
-55°	657.1	717.7	775.4	831.0	879.2	920.8	962.0	1000.3	1030.5	1054.2	1082.7
-57.5°	598.0	652.7	703.0	749.6	792.9	828.7	868.8	901.5	929.6	951.7	981.2
-60°	540.4	589.2	635.0	675.7	711.2	746.5	779.2	809.2	833.8	855.7	882.7
-62.5°	483.1	527.3	568.4	605.9	638.1	667.3	696.8	722.4	743.0	765.7	788.1
-65°	429.4	466.7	502.7	536.8	567.3	595.1	619.4	640.1	659.4	679.6	697.6
-67.5°	375.9	410.6	440.9	468.0	496.1	523.1	545.6	564.7	580.9	597.3	612.4
-70°	328.0	355.6	383.2	407.6	429.1	451.6	473.5	491.5	505.9	518.8	531.1
-72.5°	280.9	305.3	328.1	349.2	368.7	386.7	404.0	420.3	433.7	443.8	452.6
-75°	236.2	255.2	274.9	293.3	309.1	323.1	336.3	349.4	360.3	369.0	376.1
-77.5°	193.3	209.3	224.4	238.6	250.0	261.1	271.4	280.8	289.2	295.8	300.6
-80°	151.8	163.4	175.7	187.2	196.0	203.5	210.1	215.6	221.9	228.2	233.8
-82.5°	113.0	121.4	129.5	137.3	143.5	148.6	153.1	157.5	161.9	166.0	169.7
-85°	74.4	79.2	84.1	88.9	93.6	97.7	101.2	104.2	106.7	108.8	110.5
-87.5°	37.2	39.6	41.8	43.9	46.1	48.3	50.3	52.1	53.3	54.4	55.3
-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: P559122 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
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°	42.5	42.6	42.6	42.4	42.1	40.4	38.5	36.5	34.3	35.3	36.3
85°	125.2	125.7	125.3	124.1	122.0	121.9	121.5	120.7	119.5	121.3	122.9
82.5°	235.6	237.4	237.6	236.5	234.1	235.1	235.5	235.0	233.6	235.3	236.4
80°	368.2	371.7	371.9	369.4	364.3	365.0	365.4	364.3	361.9	362.5	362.4
77.5°	524.5	532.6	535.5	534.3	529.3	527.7	524.2	517.0	506.5	506.3	506.6
75°	723.9	732.2	736.5	736.2	731.4	728.2	723.6	715.4	703.7	703.2	703.3
72.5°	944.0	956.1	961.6	966.5	966.5	964.7	958.8	946.5	928.4	926.3	928.5
70°	1187.0	1207.5	1220.5	1230.4	1238.3	1240.0	1236.1	1226.2	1210.4	1206.2	1204.9
67.5°	1457.7	1490.4	1515.1	1531.6	1547.1	1558.3	1562.5	1558.1	1545.3	1541.0	1542.8
65°	1761.0	1811.5	1853.2	1884.4	1905.3	1920.1	1933.0	1940.7	1942.6	1947.1	1953.2
62.5°	2115.4	2177.4	2235.4	2274.9	2295.2	2309.5	2351.1	2375.1	2382.0	2383.5	2392.6
60°	2511.2	2589.5	2661.8	2719.9	2766.8	2802.3	2837.7	2861.1	2869.9	2871.6	2884.3
57.5°	2943.9	3042.2	3126.9	3216.8	3279.5	3315.8	3363.2	3411.9	3437.4	3444.7	3474.7
55°	3422.6	3556.9	3666.6	3762.8	3850.4	3927.4	3992.5	4042.8	4079.9	4102.3	4142.1
52.5°	3952.0	4109.8	4224.5	4337.5	4463.0	4551.5	4609.4	4702.4	4769.7	4806.8	4854.1
50°	4533.3	4709.1	4865.4	4983.8	5129.9	5250.7	5338.9	5426.9	5488.6	5523.9	5569.7
47.5°	5195.0	5411.4	5592.9	5702.6	5872.1	6014.6	6072.0	6138.5	6254.6	6310.4	6359.4
45°	5940.0	6216.0	6417.6	6589.3	6735.1	6894.8	6999.5	7075.1	7189.4	7246.8	7283.0
42.5°	6826.3	7133.5	7399.1	7605.2	7727.8	7935.0	8086.2	8128.7	8290.7	8400.5	8432.8
40°	7820.5	8160.9	8511.3	8746.3	8943.6	9154.1	9403.4	9542.2	9679.2	9786.9	9811.3
37.5°	8856.4	9312.2	9712.1	10015.5	10341.7	10652.1	10916.4	11060.5	11150.3	11356.4	11433.3
35°	9909.6	10379.9	10940.1	11411.5	11806.8	12190.2	12491.7	12729.1	12955.2	13140.6	13251.7
32.5°	10806.5	11312.5	12004.2	12710.1	13136.9	13551.9	14047.2	14318.8	14620.5	14864.9	15043.4
30°	11543.4	12024.6	12654.2	13540.1	14124.4	14545.1	15172.0	15547.6	15876.1	16290.4	16434.5
27.5°	11578.3	12330.3	12887.2	13650.1	14527.0	14954.1	15418.0	16100.7	16307.8	16898.5	16983.6
25°	11274.4	12064.0	12636.2	13273.0	14002.2	14521.7	14945.3	15513.1	15810.3	16190.1	16481.9
22.5°	10799.0	11494.9	12078.6	12618.7	13187.6	13660.7	14047.9	14447.0	14773.2	15067.9	15341.7
20°	10274.1	10934.6	11488.2	11952.6	12403.5	12842.0	13190.3	13525.5	13807.6	14060.7	14216.5
17.5°	9904.4	10379.6	10945.3	11420.9	11811.9	12156.1	12516.3	12796.9	13044.4	13272.0	13414.5
15°	9651.9	10103.9	10506.6	10943.1	11355.1	11683.2	11954.5	12243.9	12457.8	12653.8	12808.2
12.5°	9390.0	9855.7	10277.0	10640.6	10963.1	11321.5	11611.4	11839.1	12063.5	12217.4	12375.9
10°	9171.1	9606.9	10043.9	10427.8	10767.1	11062.5	11337.0	11592.4	11793.7	11966.3	12091.2
7.5°	9044.1	9471.4	9864.2	10232.6	10563.3	10878.0	11161.2	11395.3	11594.8	11773.5	11904.3
5°	8896.8	9319.7	9711.9	10088.4	10406.1	10708.4	10990.4	11231.2	11437.8	11597.0	11722.2
2.5°	8727.9	9145.2	9536.4	9919.1	10236.6	10528.2	10795.1	11030.0	11245.2	11396.9	11503.5
0°	8535.6	8953.4	9335.7	9696.1	10015.6	10329.6	10575.3	10812.9	11023.1	11173.3	11279.8
-2.5°	8341.6	8756.8	9152.5	9497.8	9814.9	10104.8	10366.4	10590.8	10791.6	10941.1	11034.6
-5°	8083.6	8496.3	8886.8	9234.8	9566.0	9857.1	10111.4	10339.5	10533.0	10696.0	10822.8
-7.5°	7771.3	8188.6	8578.8	8934.1	9263.7	9538.7	9782.9	10012.8	10219.3	10397.4	10553.4
-10°	7427.9	7840.7	8209.2	8542.0	8849.2	9128.8	9388.6	9615.7	9804.9	9979.4	10110.7
-12.5°	7028.0	7410.1	7770.7	8098.7	8399.0	8679.0	8926.0	9142.4	9332.8	9487.5	9605.8
-15°	6586.7	6949.4	7290.9	7626.2	7940.6	8216.4	8433.7	8661.7	8826.8	8976.8	9083.4
-17.5°	6114.6	6465.2	6824.4	7160.5	7450.8	7722.8	7962.0	8170.3	8343.6	8481.2	8601.5
-20°	5636.1	5993.2	6338.9	6659.2	6938.4	7190.5	7432.7	7632.9	7810.5	7960.1	8101.2



REPORT NUMBER: P559122 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5155.5	5483.0	5807.5	6120.9	6384.9	6623.3	6835.3	7026.8	7183.5	7360.0	7484.5
-25°	4661.7	4948.8	5241.9	5518.6	5768.2	6002.6	6194.7	6362.6	6526.0	6696.3	6817.8
-27.5°	4165.7	4419.5	4657.5	4902.4	5121.1	5324.1	5502.5	5649.4	5808.0	5921.7	6055.2
-30°	3675.1	3905.3	4103.8	4274.2	4479.9	4654.1	4792.9	4938.8	5069.9	5178.5	5291.0
-32.5°	3259.7	3417.1	3575.6	3718.1	3854.9	3998.1	4110.0	4237.3	4327.2	4420.8	4511.7
-35°	2860.4	2981.7	3086.9	3220.2	3322.7	3400.7	3494.0	3587.4	3623.4	3725.2	3779.4
-37.5°	2498.9	2578.5	2676.7	2769.5	2845.7	2903.9	2986.9	3035.9	3061.6	3127.5	3162.8
-40°	2189.4	2239.7	2331.4	2394.8	2440.5	2482.9	2551.9	2583.7	2618.9	2651.6	2652.6
-42.5°	1917.2	1981.9	2044.0	2093.8	2122.7	2170.9	2203.5	2207.1	2252.6	2281.8	2286.3
-45°	1694.6	1760.3	1809.5	1846.1	1875.0	1916.4	1937.4	1949.1	1986.3	2006.1	2014.7
-47.5°	1523.5	1569.5	1612.1	1640.3	1678.2	1708.9	1724.2	1743.8	1772.3	1790.5	1803.5
-50°	1373.1	1409.6	1442.0	1467.8	1505.6	1532.9	1547.6	1571.6	1592.9	1606.0	1616.3
-52.5°	1240.9	1273.4	1295.9	1321.0	1352.3	1376.5	1395.2	1419.0	1436.8	1448.3	1457.3
-55°	1117.1	1147.6	1169.6	1197.0	1219.3	1235.5	1251.5	1274.8	1292.2	1304.0	1311.7
-57.5°	1007.9	1030.8	1052.4	1077.2	1098.5	1116.1	1130.3	1143.2	1154.7	1164.3	1171.9
-60°	905.5	924.2	944.0	963.4	979.4	992.1	1007.4	1019.1	1026.5	1031.2	1037.3
-62.5°	807.1	824.0	841.4	857.1	869.9	880.6	892.9	902.5	909.4	914.3	917.9
-65°	713.7	728.1	742.9	756.0	767.1	776.3	785.0	791.8	796.6	800.7	803.8
-67.5°	626.2	637.6	648.0	657.0	665.3	673.2	680.9	686.0	688.8	692.1	695.5
-70°	541.8	550.8	557.7	563.2	568.0	574.3	581.6	586.8	589.8	593.0	596.0
-72.5°	460.2	466.8	472.5	477.0	479.7	483.7	488.7	492.9	496.1	498.5	499.6
-75°	381.6	387.0	392.0	395.5	397.6	400.4	403.0	404.4	404.6	405.7	406.4
-77.5°	304.8	310.1	314.8	318.1	320.1	322.5	324.3	325.3	325.5	325.7	325.0
-80°	237.9	241.6	244.7	247.0	248.5	250.1	251.1	251.3	250.7	251.2	251.4
-82.5°	172.8	176.1	178.8	180.8	182.3	183.9	185.2	186.2	186.7	186.9	186.7
-85°	111.9	113.4	114.8	116.1	117.3	118.1	118.5	118.5	118.3	118.4	118.2
-87.5°	56.0	55.3	54.4	53.3	51.9	52.3	52.6	52.7	52.7	53.3	53.8
-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: P559122 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-WAF-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°	37.2	38.1	35.5	32.8	35.5	38.1	37.2	36.3	35.3	34.3	36.5
85°	124.1	124.9	122.7	120.1	122.7	124.9	124.1	122.9	121.3	119.5	120.7
82.5°	236.7	236.3	234.6	232.1	234.6	236.3	236.7	236.4	235.3	233.6	235.0
80°	361.0	358.7	357.3	355.0	357.3	358.7	361.0	362.4	362.5	361.9	364.3
77.5°	505.3	502.6	507.1	510.6	507.1	502.6	505.3	506.6	506.3	506.5	517.0
75°	700.6	695.2	690.0	682.6	690.0	695.2	700.6	703.3	703.2	703.7	715.4
72.5°	927.4	923.2	919.0	912.0	919.0	923.2	927.4	928.5	926.3	928.4	946.5
70°	1197.7	1185.0	1187.1	1187.8	1187.1	1185.0	1197.7	1204.9	1206.2	1210.4	1226.2
67.5°	1537.8	1526.3	1527.8	1526.4	1527.8	1526.3	1537.8	1542.8	1541.0	1545.3	1558.1
65°	1949.5	1936.5	1920.8	1897.7	1920.8	1936.5	1949.5	1953.2	1947.1	1942.6	1940.7
62.5°	2391.5	2380.0	2386.6	2391.9	2386.6	2380.0	2391.5	2392.6	2383.5	2382.0	2375.1
60°	2882.3	2866.2	2858.2	2845.2	2858.2	2866.2	2882.3	2884.3	2871.6	2869.9	2861.1
57.5°	3488.5	3485.5	3478.5	3459.6	3478.5	3485.5	3488.5	3474.7	3444.7	3437.4	3411.9
55°	4160.7	4156.9	4172.4	4191.3	4172.4	4156.9	4160.7	4142.1	4102.3	4079.9	4042.8
52.5°	4889.0	4901.3	4896.9	4871.2	4896.9	4901.3	4889.0	4854.1	4806.8	4769.7	4702.4
50°	5610.1	5623.9	5638.6	5652.2	5638.6	5623.9	5610.1	5569.7	5523.9	5488.6	5426.9
47.5°	6427.2	6463.5	6469.9	6444.0	6469.9	6463.5	6427.2	6359.4	6310.4	6254.6	6138.5
45°	7355.5	7377.5	7388.6	7410.6	7388.6	7377.5	7355.5	7283.0	7246.8	7189.4	7075.1
42.5°	8526.0	8551.4	8555.4	8579.3	8555.4	8551.4	8526.0	8432.8	8400.5	8290.7	8128.7
40°	9915.3	9956.5	9949.4	9939.1	9949.4	9956.5	9915.3	9811.3	9786.9	9679.2	9542.2
37.5°	11541.6	11611.5	11618.9	11662.1	11618.9	11611.5	11541.6	11433.3	11356.4	11150.3	11060.5
35°	13366.8	13449.1	13434.9	13456.0	13434.9	13449.1	13366.8	13251.7	13140.6	12955.2	12729.1
32.5°	15207.9	15331.4	15356.3	15460.2	15356.3	15331.4	15207.9	15043.4	14864.9	14620.5	14318.8
30°	16654.4	16827.5	16940.4	16932.0	16940.4	16827.5	16654.4	16434.5	16290.4	15876.1	15547.6
27.5°	17253.5	17477.8	17687.8	17751.1	17687.8	17477.8	17253.5	16983.6	16898.5	16307.8	16100.7
25°	16668.9	16832.8	17018.2	17117.6	17018.2	16832.8	16668.9	16481.9	16190.1	15810.3	15513.1
22.5°	15467.6	15574.3	15637.4	15585.8	15637.4	15574.3	15467.6	15341.7	15067.9	14773.2	14447.0
20°	14377.6	14512.5	14537.6	14591.9	14537.6	14512.5	14377.6	14216.5	14060.7	13807.6	13525.5
17.5°	13566.3	13654.6	13706.5	13718.1	13706.5	13654.6	13566.3	13414.5	13272.0	13044.4	12796.9
15°	12930.4	13001.2	13047.7	13068.3	13047.7	13001.2	12930.4	12808.2	12653.8	12457.8	12243.9
12.5°	12479.9	12566.1	12608.5	12634.1	12608.5	12566.1	12479.9	12375.9	12217.4	12063.5	11839.1
10°	12190.9	12274.2	12307.7	12320.1	12307.7	12274.2	12190.9	12091.2	11966.3	11793.7	11592.4
7.5°	11983.4	12036.9	12059.5	12077.1	12059.5	12036.9	11983.4	11904.3	11773.5	11594.8	11395.3
5°	11816.0	11858.6	11882.5	11907.8	11882.5	11858.6	11816.0	11722.2	11597.0	11437.8	11231.2
2.5°	11588.1	11649.0	11691.1	11716.7	11691.1	11649.0	11588.1	11503.5	11396.9	11245.2	11030.0
0°	11364.4	11421.8	11451.8	11501.0	11451.8	11421.8	11364.4	11279.8	11173.3	11023.1	10812.9
-2.5°	11118.4	11184.8	11263.7	11339.9	11263.7	11184.8	11118.4	11034.6	10941.1	10791.6	10590.8
-5°	10930.2	11017.9	11034.4	11083.2	11034.4	11017.9	10930.2	10822.8	10696.0	10533.0	10339.5
-7.5°	10646.3	10686.4	10754.3	10766.4	10754.3	10686.4	10646.3	10553.4	10397.4	10219.3	10012.8
-10°	10208.9	10273.9	10316.3	10359.6	10316.3	10273.9	10208.9	10110.7	9979.4	9804.9	9615.7
-12.5°	9694.8	9771.3	9839.5	9829.9	9839.5	9771.3	9694.8	9605.8	9487.5	9332.8	9142.4
-15°	9194.0	9267.8	9314.7	9308.3	9314.7	9267.8	9194.0	9083.4	8976.8	8826.8	8661.7
-17.5°	8696.9	8764.2	8832.1	8830.5	8832.1	8764.2	8696.9	8601.5	8481.2	8343.6	8170.3
-20°	8183.6	8241.3	8314.0	8344.5	8314.0	8241.3	8183.6	8101.2	7960.1	7810.5	7632.9



REPORT NUMBER: P559122 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7590.1	7663.9	7716.7	7749.2	7716.7	7663.9	7590.1	7484.5	7360.0	7183.5	7026.8
-25°	6898.3	6974.0	7014.2	7028.4	7014.2	6974.0	6898.3	6817.8	6696.3	6526.0	6362.6
-27.5°	6134.0	6218.9	6260.2	6239.2	6260.2	6218.9	6134.0	6055.2	5921.7	5808.0	5649.4
-30°	5350.2	5404.6	5410.9	5458.3	5410.9	5404.6	5350.2	5291.0	5178.5	5069.9	4938.8
-32.5°	4576.8	4613.3	4592.6	4595.5	4592.6	4613.3	4576.8	4511.7	4420.8	4327.2	4237.3
-35°	3813.2	3842.3	3848.2	3901.9	3848.2	3842.3	3813.2	3779.4	3725.2	3623.4	3587.4
-37.5°	3199.3	3211.1	3193.1	3167.4	3193.1	3211.1	3199.3	3162.8	3127.5	3061.6	3035.9
-40°	2678.6	2687.7	2681.1	2667.7	2681.1	2687.7	2678.6	2652.6	2651.6	2618.9	2583.7
-42.5°	2304.1	2304.2	2298.0	2296.4	2298.0	2304.2	2304.1	2286.3	2281.8	2252.6	2207.1
-45°	2027.3	2030.3	2029.8	2028.8	2029.8	2030.3	2027.3	2014.7	2006.1	1986.3	1949.1
-47.5°	1812.7	1813.2	1810.4	1804.9	1810.4	1813.2	1812.7	1803.5	1790.5	1772.3	1743.8
-50°	1622.6	1622.6	1626.3	1632.9	1626.3	1622.6	1622.6	1616.3	1606.0	1592.9	1571.6
-52.5°	1462.1	1461.7	1463.8	1466.3	1463.8	1461.7	1462.1	1457.3	1448.3	1436.8	1419.0
-55°	1315.2	1314.3	1312.4	1307.9	1312.4	1314.3	1315.2	1311.7	1304.0	1292.2	1274.8
-57.5°	1174.7	1173.1	1169.5	1163.2	1169.5	1173.1	1174.7	1171.9	1164.3	1154.7	1143.2
-60°	1040.8	1041.4	1039.6	1034.9	1039.6	1041.4	1040.8	1037.3	1031.2	1026.5	1019.1
-62.5°	918.7	916.9	916.5	914.7	916.5	916.9	918.7	917.9	914.3	909.4	902.5
-65°	804.4	802.6	803.2	802.8	803.2	802.6	804.4	803.8	800.7	796.6	791.8
-67.5°	696.8	696.2	696.8	696.3	696.8	696.2	696.8	695.5	692.1	688.8	686.0
-70°	597.7	597.9	594.8	589.8	594.8	597.9	597.7	596.0	593.0	589.8	586.8
-72.5°	499.3	497.6	497.8	497.0	497.8	497.6	499.3	499.6	498.5	496.1	492.9
-75°	406.2	405.1	407.7	409.6	407.7	405.1	406.2	406.4	405.7	404.6	404.4
-77.5°	323.4	321.0	323.2	324.9	323.2	321.0	323.4	325.0	325.7	325.5	325.3
-80°	251.1	250.3	249.6	248.5	249.6	250.3	251.1	251.4	251.2	250.7	251.3
-82.5°	186.0	185.0	184.1	182.9	184.1	185.0	186.0	186.7	186.9	186.7	186.2
-85°	117.7	116.9	118.6	120.1	118.6	116.9	117.7	118.2	118.4	118.3	118.5
-87.5°	54.1	54.4	53.2	51.9	53.2	54.4	54.1	53.8	53.3	52.7	52.7
-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: P559122 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
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°	38.5	40.4	42.1	42.4	42.6	42.6	42.5	42.3	41.8	41.3	40.5
85°	121.5	121.9	122.0	124.1	125.3	125.7	125.2	123.0	120.0	116.3	111.6
82.5°	235.5	235.1	234.1	236.5	237.6	237.4	235.6	230.9	224.9	217.5	208.6
80°	365.4	365.0	364.3	369.4	371.9	371.7	368.2	359.9	348.9	337.7	326.4
77.5°	524.2	527.7	529.3	534.3	535.5	532.6	524.5	511.8	500.7	486.2	467.1
75°	723.6	728.2	731.4	736.2	736.5	732.2	723.9	708.5	688.1	662.7	628.7
72.5°	958.8	964.7	966.5	966.5	961.6	956.1	944.0	923.4	896.7	863.7	818.8
70°	1236.1	1240.0	1238.3	1230.4	1220.5	1207.5	1187.0	1158.1	1121.1	1082.1	1027.2
67.5°	1562.5	1558.3	1547.1	1531.6	1515.1	1490.4	1457.7	1416.0	1373.4	1324.5	1250.5
65°	1933.0	1920.1	1905.3	1884.4	1853.2	1811.5	1761.0	1708.4	1652.6	1584.6	1491.1
62.5°	2351.1	2309.5	2295.2	2274.9	2235.4	2177.4	2115.4	2048.6	1965.3	1868.0	1774.0
60°	2837.7	2802.3	2766.8	2719.9	2661.8	2589.5	2511.2	2420.6	2318.0	2209.6	2083.9
57.5°	3363.2	3315.8	3279.5	3216.8	3126.9	3042.2	2943.9	2819.1	2696.1	2570.6	2420.3
55°	3992.5	3927.4	3850.4	3762.8	3666.6	3556.9	3422.6	3276.9	3126.4	2953.6	2793.4
52.5°	4609.4	4551.5	4463.0	4337.5	4224.5	4109.8	3952.0	3781.2	3611.2	3431.9	3207.0
50°	5338.9	5250.7	5129.9	4983.8	4865.4	4709.1	4533.3	4326.0	4149.1	3944.0	3696.1
47.5°	6072.0	6014.6	5872.1	5702.6	5592.9	5411.4	5195.0	4962.9	4767.5	4488.6	4218.5
45°	6999.5	6894.8	6735.1	6589.3	6417.6	6216.0	5940.0	5718.2	5457.0	5152.4	4761.0
42.5°	8086.2	7935.0	7727.8	7605.2	7399.1	7133.5	6826.3	6547.1	6221.3	5865.2	5415.5
40°	9403.4	9154.1	8943.6	8746.3	8511.3	8160.9	7820.5	7448.7	7059.2	6621.0	6035.8
37.5°	10916.4	10652.1	10341.7	10015.5	9712.1	9312.2	8856.4	8418.7	7950.4	7291.4	6624.1
35°	12491.7	12190.2	11806.8	11411.5	10940.1	10379.9	9909.6	9393.4	8753.9	7898.8	7168.5
32.5°	14047.2	13551.9	13136.9	12710.1	12004.2	11312.5	10806.5	10347.8	9261.8	8379.4	7646.8
30°	15172.0	14545.1	14124.4	13540.1	12654.2	12024.6	11543.4	10591.2	9580.5	8714.6	8019.3
27.5°	15418.0	14954.1	14527.0	13650.1	12887.2	12330.3	11578.3	10607.7	9688.6	8873.8	8200.7
25°	14945.3	14521.7	14002.2	13273.0	12636.2	12064.0	11274.4	10395.3	9570.5	8852.1	8096.6
22.5°	14047.9	13660.7	13187.6	12618.7	12078.6	11494.9	10799.0	10037.1	9327.6	8655.1	7923.8
20°	13190.3	12842.0	12403.5	11952.6	11488.2	10934.6	10274.1	9651.2	9073.8	8422.6	7716.1
17.5°	12516.3	12156.1	11811.9	11420.9	10945.3	10379.6	9904.4	9391.1	8820.6	8173.7	7479.2
15°	11954.5	11683.2	11355.1	10943.1	10506.6	10103.9	9651.9	9127.1	8558.7	7904.7	7257.9
12.5°	11611.4	11321.5	10963.1	10640.6	10277.0	9855.7	9390.0	8854.6	8311.1	7763.3	7183.5
10°	11337.0	11062.5	10767.1	10427.8	10043.9	9606.9	9171.1	8705.9	8199.7	7662.0	7088.1
7.5°	11161.2	10878.0	10563.3	10232.6	9864.2	9471.4	9044.1	8581.1	8070.1	7533.4	6970.8
5°	10990.4	10708.4	10406.1	10088.4	9711.9	9319.7	8896.8	8432.6	7919.5	7377.9	6830.2
2.5°	10795.1	10528.2	10236.6	9919.1	9536.4	9145.2	8727.9	8258.0	7752.5	7232.0	6670.4
0°	10575.3	10329.6	10015.6	9696.1	9335.7	8953.4	8535.6	8055.0	7560.8	7069.3	6485.0
-2.5°	10366.4	10104.8	9814.9	9497.8	9152.5	8756.8	8341.6	7876.7	7372.0	6875.2	6303.8
-5°	10111.4	9857.1	9566.0	9234.8	8886.8	8496.3	8083.6	7634.4	7138.0	6646.8	6100.8
-7.5°	9782.9	9538.7	9263.7	8934.1	8578.8	8188.6	7771.3	7322.6	6839.0	6353.1	5822.4
-10°	9388.6	9128.8	8849.2	8542.0	8209.2	7840.7	7427.9	6979.9	6514.6	6030.6	5520.4
-12.5°	8926.0	8679.0	8399.0	8098.7	7770.7	7410.1	7028.0	6600.6	6165.6	5679.3	5195.3
-15°	8433.7	8216.4	7940.6	7626.2	7290.9	6949.4	6586.7	6179.2	5777.2	5301.6	4847.3
-17.5°	7962.0	7722.8	7450.8	7160.5	6824.4	6465.2	6114.6	5740.9	5352.2	4918.9	4503.2
-20°	7432.7	7190.5	6938.4	6659.2	6338.9	5993.2	5636.1	5279.5	4914.5	4537.2	4159.3



REPORT NUMBER: P559122 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6835.3	6623.3	6384.9	6120.9	5807.5	5483.0	5155.5	4818.8	4473.5	4148.6	3809.7
-25°	6194.7	6002.6	5768.2	5518.6	5241.9	4948.8	4661.7	4362.7	4065.5	3760.9	3460.3
-27.5°	5502.5	5324.1	5121.1	4902.4	4657.5	4419.5	4165.7	3908.0	3667.9	3399.2	3136.9
-30°	4792.9	4654.1	4479.9	4274.2	4103.8	3905.3	3675.1	3491.7	3283.7	3053.5	2839.9
-32.5°	4110.0	3998.1	3854.9	3718.1	3575.6	3417.1	3259.7	3089.5	2907.9	2744.1	2569.2
-35°	3494.0	3400.7	3322.7	3220.2	3086.9	2981.7	2860.4	2720.8	2582.0	2450.4	2310.1
-37.5°	2986.9	2903.9	2845.7	2769.5	2676.7	2578.5	2498.9	2403.0	2289.2	2184.0	2070.2
-40°	2551.9	2482.9	2440.5	2394.8	2331.4	2239.7	2189.4	2117.9	2039.6	1938.5	1846.9
-42.5°	2203.5	2170.9	2122.7	2093.8	2044.0	1981.9	1917.2	1876.1	1813.4	1734.5	1659.6
-45°	1937.4	1916.4	1875.0	1846.1	1809.5	1760.3	1694.6	1663.7	1616.3	1561.5	1490.7
-47.5°	1724.2	1708.9	1678.2	1640.3	1612.1	1569.5	1523.5	1479.9	1452.2	1405.2	1347.2
-50°	1547.6	1532.9	1505.6	1467.8	1442.0	1409.6	1373.1	1329.9	1303.5	1263.7	1215.4
-52.5°	1395.2	1376.5	1352.3	1321.0	1295.9	1273.4	1240.9	1201.1	1166.6	1139.2	1103.8
-55°	1251.5	1235.5	1219.3	1197.0	1169.6	1147.6	1117.1	1082.7	1054.2	1030.5	1000.3
-57.5°	1130.3	1116.1	1098.5	1077.2	1052.4	1030.8	1007.9	981.2	951.7	929.6	901.5
-60°	1007.4	992.1	979.4	963.4	944.0	924.2	905.5	882.7	855.7	833.8	809.2
-62.5°	892.9	880.6	869.9	857.1	841.4	824.0	807.1	788.1	765.7	743.0	722.4
-65°	785.0	776.3	767.1	756.0	742.9	728.1	713.7	697.6	679.6	659.4	640.1
-67.5°	680.9	673.2	665.3	657.0	648.0	637.6	626.2	612.4	597.3	580.9	564.7
-70°	581.6	574.3	568.0	563.2	557.7	550.8	541.8	531.1	518.8	505.9	491.5
-72.5°	488.7	483.7	479.7	477.0	472.5	466.8	460.2	452.6	443.8	433.7	420.3
-75°	403.0	400.4	397.6	395.5	392.0	387.0	381.6	376.1	369.0	360.3	349.4
-77.5°	324.3	322.5	320.1	318.1	314.8	310.1	304.8	300.6	295.8	289.2	280.8
-80°	251.1	250.1	248.5	247.0	244.7	241.6	237.9	233.8	228.2	221.9	215.6
-82.5°	185.2	183.9	182.3	180.8	178.8	176.1	172.8	169.7	166.0	161.9	157.5
-85°	118.5	118.1	117.3	116.1	114.8	113.4	111.9	110.5	108.8	106.7	104.2
-87.5°	52.6	52.3	51.9	53.3	54.4	55.3	56.0	55.3	54.4	53.3	52.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P559122 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-WAF-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°	39.6	38.6	37.4	36.0	35.2	34.1	32.8	31.1	28.5	25.7	22.8
85°	105.9	99.4	92.1	84.1	76.4	68.3	65.6	62.2	56.9	51.3	45.5
82.5°	197.6	188.1	178.1	167.0	154.7	141.8	128.1	113.5	95.6	78.5	68.2
80°	312.0	296.0	278.4	259.2	237.9	215.2	196.5	176.1	150.8	126.4	103.0
77.5°	442.2	415.1	385.7	360.6	334.6	306.5	276.2	242.1	205.4	173.9	143.5
75°	587.1	553.0	517.8	479.6	438.9	397.8	361.9	320.1	270.4	222.0	183.6
72.5°	767.6	714.6	660.1	604.0	555.2	505.0	453.4	396.9	338.5	281.5	226.0
70°	960.7	887.7	819.2	751.7	681.6	612.2	552.2	482.3	405.6	340.0	276.3
67.5°	1166.3	1086.6	999.6	904.0	819.4	737.3	653.2	568.5	482.7	397.5	325.7
65°	1399.9	1299.1	1190.3	1085.4	973.4	863.7	769.6	657.8	558.2	464.1	373.8
62.5°	1656.6	1525.1	1406.8	1274.8	1143.8	1014.5	882.1	756.2	634.5	529.1	427.5
60°	1947.5	1803.3	1637.1	1489.4	1331.4	1172.8	1015.5	851.3	718.5	592.4	482.5
57.5°	2267.5	2097.9	1920.2	1724.9	1539.5	1351.8	1148.7	960.1	799.5	661.2	535.3
55°	2602.1	2411.5	2210.7	1995.8	1766.8	1550.3	1288.8	1071.3	881.4	729.2	584.4
52.5°	2976.7	2748.8	2517.2	2275.0	2022.8	1743.0	1444.3	1176.3	973.2	794.2	636.5
50°	3408.3	3123.4	2848.5	2570.0	2282.3	1945.7	1589.6	1301.7	1059.4	859.7	686.1
47.5°	3900.6	3554.8	3214.0	2879.9	2561.7	2134.0	1749.7	1421.3	1139.7	929.7	732.3
45°	4410.3	4029.5	3616.7	3230.2	2788.6	2324.6	1905.6	1531.5	1236.8	990.7	774.9
42.5°	4922.1	4509.9	4067.0	3583.6	3021.6	2505.1	2047.9	1655.4	1326.2	1046.6	819.6
40°	5490.4	4988.7	4516.0	3911.9	3233.4	2669.3	2194.4	1771.5	1406.7	1103.1	864.3
37.5°	6032.5	5477.7	4958.0	4162.5	3427.2	2837.4	2328.2	1875.4	1480.2	1164.0	904.9
35°	6538.5	5951.7	5180.7	4366.3	3619.6	2979.6	2446.6	1973.4	1558.4	1217.7	941.4
32.5°	6999.9	6255.5	5351.5	4525.3	3772.1	3095.8	2554.1	2060.7	1625.3	1264.1	973.6
30°	7314.5	6369.0	5468.8	4640.2	3885.8	3208.3	2641.6	2133.0	1680.9	1303.1	1003.6
27.5°	7331.2	6421.8	5531.5	4711.9	3964.0	3290.8	2708.1	2190.6	1725.3	1339.5	1034.7
25°	7273.7	6398.6	5540.7	4738.5	4005.5	3358.4	2759.1	2233.7	1766.2	1374.9	1060.1
22.5°	7139.3	6316.2	5498.9	4720.5	4050.9	3405.0	2801.3	2270.6	1799.2	1401.5	1079.8
20°	6969.5	6182.4	5428.8	4738.1	4073.8	3434.8	2833.0	2294.5	1820.5	1419.6	1094.1
17.5°	6761.5	6076.2	5416.9	4734.8	4073.8	3443.7	2847.3	2305.5	1830.6	1429.5	1103.0
15°	6665.9	6034.5	5381.4	4709.6	4051.4	3432.1	2844.7	2304.0	1829.9	1431.5	1109.2
12.5°	6589.0	5969.0	5323.8	4662.4	4007.3	3401.1	2825.9	2290.3	1819.0	1431.5	1113.8
10°	6491.7	5879.7	5244.0	4593.6	3942.5	3351.5	2791.6	2269.5	1813.5	1429.1	1114.1
7.5°	6373.2	5766.7	5142.2	4503.5	3864.6	3295.9	2756.4	2246.3	1802.0	1420.7	1110.3
5°	6235.7	5642.1	5032.8	4417.2	3805.1	3237.1	2709.9	2211.9	1782.9	1406.5	1102.5
2.5°	6086.9	5513.3	4910.5	4312.7	3730.3	3163.9	2650.9	2167.2	1756.4	1387.0	1090.9
0°	5914.3	5362.7	4767.5	4188.6	3639.8	3077.3	2580.3	2113.4	1723.0	1362.5	1075.8
-2.5°	5762.7	5197.2	4613.5	4054.0	3507.9	2973.6	2503.5	2059.3	1685.9	1338.4	1060.0
-5°	5586.4	5010.4	4441.3	3902.1	3362.2	2859.0	2417.3	1998.1	1642.9	1310.1	1041.1
-7.5°	5327.5	4781.9	4245.2	3731.5	3204.6	2735.4	2323.1	1930.8	1594.5	1277.9	1019.3
-10°	5035.8	4523.3	4023.0	3538.7	3051.4	2613.4	2223.7	1858.2	1541.4	1242.1	994.8
-12.5°	4727.4	4250.8	3788.5	3336.6	2893.5	2493.2	2128.5	1786.9	1484.8	1203.0	968.0
-15°	4404.5	3966.8	3543.7	3127.6	2730.4	2366.8	2028.7	1714.1	1429.1	1163.0	938.9
-17.5°	4075.8	3673.4	3290.3	2913.9	2564.0	2235.5	1925.4	1637.6	1370.4	1123.1	909.9
-20°	3775.8	3399.4	3032.1	2697.7	2396.1	2100.3	1819.7	1558.1	1309.0	1080.9	880.5



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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°	3476.8	3146.5	2814.8	2496.8	2231.4	1962.2	1712.6	1476.0	1245.5	1036.8	849.0
-25°	3179.0	2895.1	2602.8	2329.7	2071.8	1834.0	1609.2	1392.0	1180.5	991.2	815.6
-27.5°	2898.4	2650.0	2389.9	2162.3	1932.3	1707.8	1509.4	1312.3	1117.4	944.4	780.4
-30°	2630.7	2415.9	2198.7	1998.6	1794.4	1597.9	1409.4	1232.8	1059.9	899.1	743.6
-32.5°	2383.4	2184.9	2016.4	1846.5	1667.6	1488.7	1316.7	1153.7	1002.1	854.0	709.3
-35°	2153.5	1987.6	1839.4	1699.5	1545.2	1389.6	1232.0	1075.4	944.3	807.5	675.4
-37.5°	1934.7	1812.6	1685.7	1561.3	1423.4	1292.4	1152.0	1010.7	886.7	759.9	640.8
-40°	1754.7	1650.5	1544.6	1430.5	1315.3	1197.4	1071.9	949.4	830.7	711.1	605.7
-42.5°	1583.3	1502.3	1411.0	1303.5	1215.0	1109.5	993.0	887.0	776.6	667.3	570.0
-45°	1430.7	1362.0	1284.2	1203.5	1118.9	1022.6	923.3	824.2	722.4	626.1	535.5
-47.5°	1287.0	1235.9	1172.6	1105.2	1027.0	939.0	853.0	764.2	668.1	584.9	502.5
-50°	1165.9	1121.8	1071.0	1009.9	937.0	862.5	783.9	704.5	622.6	544.2	468.8
-52.5°	1060.7	1018.7	973.2	916.9	854.9	785.8	720.1	645.9	576.1	504.8	434.5
-55°	962.0	920.8	879.2	831.0	775.4	717.7	657.1	593.9	528.9	465.5	400.1
-57.5°	868.8	828.7	792.9	749.6	703.0	652.7	598.0	541.3	483.8	425.6	369.5
-60°	779.2	746.5	711.2	675.7	635.0	589.2	540.4	489.5	438.9	386.3	338.6
-62.5°	696.8	667.3	638.1	605.9	568.4	527.3	483.1	439.9	393.5	350.9	307.1
-65°	619.4	595.1	567.3	536.8	502.7	466.7	429.4	389.9	352.6	315.0	275.6
-67.5°	545.6	523.1	496.1	468.0	440.9	410.6	375.9	344.3	312.5	278.8	244.4
-70°	473.5	451.6	429.1	407.6	383.2	355.6	328.0	300.3	272.2	244.1	213.1
-72.5°	404.0	386.7	368.7	349.2	328.1	305.3	280.9	256.9	234.5	209.4	181.6
-75°	336.3	323.1	309.1	293.3	274.9	255.2	236.2	216.7	196.8	174.5	153.6
-77.5°	271.4	261.1	250.0	238.6	224.4	209.3	193.3	176.6	160.4	144.1	126.8
-80°	210.1	203.5	196.0	187.2	175.7	163.4	151.8	140.0	127.5	114.1	99.9
-82.5°	153.1	148.6	143.5	137.3	129.5	121.4	113.0	104.4	94.5	84.0	73.7
-85°	101.2	97.7	93.6	88.9	84.1	79.2	74.4	69.2	62.6	56.0	49.2
-87.5°	50.3	48.3	46.1	43.9	41.8	39.6	37.2	34.6	31.3	28.0	24.6
-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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**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°	19.8	16.7	13.5	10.2	6.9	3.4	0.0
85°	39.6	33.4	27.0	20.5	13.8	6.8	0.0
82.5°	59.3	50.0	40.5	30.7	20.6	10.2	0.0
80°	80.6	66.5	53.8	40.8	27.5	13.5	0.0
77.5°	114.5	86.8	67.1	50.9	34.2	16.8	0.0
75°	147.9	113.8	81.7	60.9	40.9	20.1	0.0
72.5°	180.8	140.4	102.3	70.7	47.5	23.4	0.0
70°	214.3	166.5	122.6	81.4	54.0	26.6	0.0
67.5°	255.3	192.0	142.4	95.9	60.4	29.7	0.0
65°	295.1	220.4	161.8	110.0	66.7	32.8	0.0
62.5°	333.6	251.3	180.7	123.8	72.8	35.9	0.0
60°	370.6	281.2	199.0	137.2	78.8	38.8	0.0
57.5°	412.6	309.8	221.0	150.2	87.2	41.7	0.0
55°	453.3	337.3	242.3	162.8	95.4	44.5	0.0
52.5°	491.9	364.2	262.7	174.9	103.4	47.2	0.0
50°	528.1	393.8	282.1	186.4	111.0	49.8	0.0
47.5°	562.7	421.5	300.5	198.1	118.4	52.3	0.0
45°	598.8	447.4	317.8	211.0	125.5	54.8	0.0
42.5°	632.1	471.4	334.0	223.2	132.2	57.1	0.0
40°	662.5	493.5	350.4	234.8	138.6	59.3	0.0
37.5°	689.9	513.5	366.8	245.7	144.7	61.3	0.0
35°	714.2	533.5	381.8	256.0	150.4	63.3	0.0
32.5°	737.7	552.3	395.4	265.5	155.8	65.1	0.0
30°	762.9	568.7	407.4	274.3	160.7	66.8	0.0
27.5°	784.6	582.9	418.9	282.4	165.3	68.4	0.0
25°	803.0	594.9	429.0	289.7	169.5	69.8	0.0
22.5°	818.0	605.3	437.7	296.2	173.3	71.2	0.0
20°	829.6	615.6	445.0	301.9	176.6	72.3	0.0
17.5°	840.1	624.2	450.9	306.9	179.6	73.3	0.0
15°	848.5	630.9	455.4	311.0	182.1	74.2	0.0
12.5°	853.7	635.8	458.6	314.4	184.2	75.0	0.0
10°	855.8	638.9	460.5	317.0	185.9	75.6	0.0
7.5°	854.8	640.2	461.1	318.8	187.2	76.0	0.0
5°	851.0	639.7	460.6	319.8	188.0	76.3	0.0
2.5°	844.5	637.5	458.8	320.0	188.4	76.5	0.0
0°	835.5	633.5	456.0	319.5	188.4	76.5	0.0
-2.5°	825.9	627.5	453.8	318.0	187.9	76.6	0.0
-5°	814.1	619.9	450.5	315.9	187.1	76.6	0.0
-7.5°	800.1	610.8	446.3	312.9	185.8	76.4	0.0
-10°	784.0	600.3	441.0	309.3	184.1	76.0	0.0
-12.5°	766.0	588.4	434.7	305.0	182.0	75.5	0.0
-15°	746.2	575.4	427.4	300.1	179.6	74.9	0.0
-17.5°	724.6	561.3	419.2	294.5	176.7	74.1	0.0
-20°	702.3	546.2	410.0	288.2	173.6	73.2	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	679.9	530.2	400.0	281.4	170.0	72.1	0.0
-25°	656.1	514.2	389.0	274.0	166.1	70.9	0.0
-27.5°	631.2	497.5	377.1	266.0	161.9	69.5	0.0
-30°	605.1	479.8	364.5	257.5	157.4	68.0	0.0
-32.5°	578.0	461.0	351.5	248.5	152.6	66.3	0.0
-35°	552.7	441.4	337.7	239.0	147.5	64.6	0.0
-37.5°	527.7	421.6	323.3	229.1	142.1	62.6	0.0
-40°	501.7	402.5	308.3	218.7	136.5	60.6	0.0
-42.5°	474.9	382.8	293.3	207.9	130.6	58.4	0.0
-45°	447.3	362.6	278.5	196.8	124.5	56.1	0.0
-47.5°	418.9	341.7	263.1	185.3	118.2	53.7	0.0
-50°	392.9	320.3	247.2	175.0	111.6	51.2	0.0
-52.5°	367.0	298.5	230.8	164.8	104.8	48.5	0.0
-55°	340.7	277.3	214.0	154.4	97.9	45.8	0.0
-57.5°	313.9	255.9	196.7	143.6	90.7	42.9	0.0
-60°	286.9	234.1	179.2	132.6	83.4	40.0	0.0
-62.5°	260.6	211.8	164.3	121.4	77.2	37.0	0.0
-65°	233.7	189.2	149.2	109.9	70.8	33.9	0.0
-67.5°	206.6	168.1	133.8	98.2	64.2	30.7	0.0
-70°	179.0	148.8	118.1	86.3	57.5	27.5	0.0
-72.5°	155.3	129.3	102.3	75.6	50.6	24.2	0.0
-75°	132.0	109.6	86.2	65.0	43.6	20.8	0.0
-77.5°	108.5	89.6	71.8	54.4	36.5	17.4	0.0
-80°	84.8	71.2	57.6	43.6	29.3	14.0	0.0
-82.5°	63.4	53.5	43.3	32.8	22.0	10.5	0.0
-85°	42.4	35.7	28.9	21.9	14.7	7.0	0.0
-87.5°	21.2	17.9	14.5	11.0	7.4	3.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)