

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: P559090 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-935-U-WAF-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559090 (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-SA5D-935-U-WAF-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7  
Light Source: (80) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

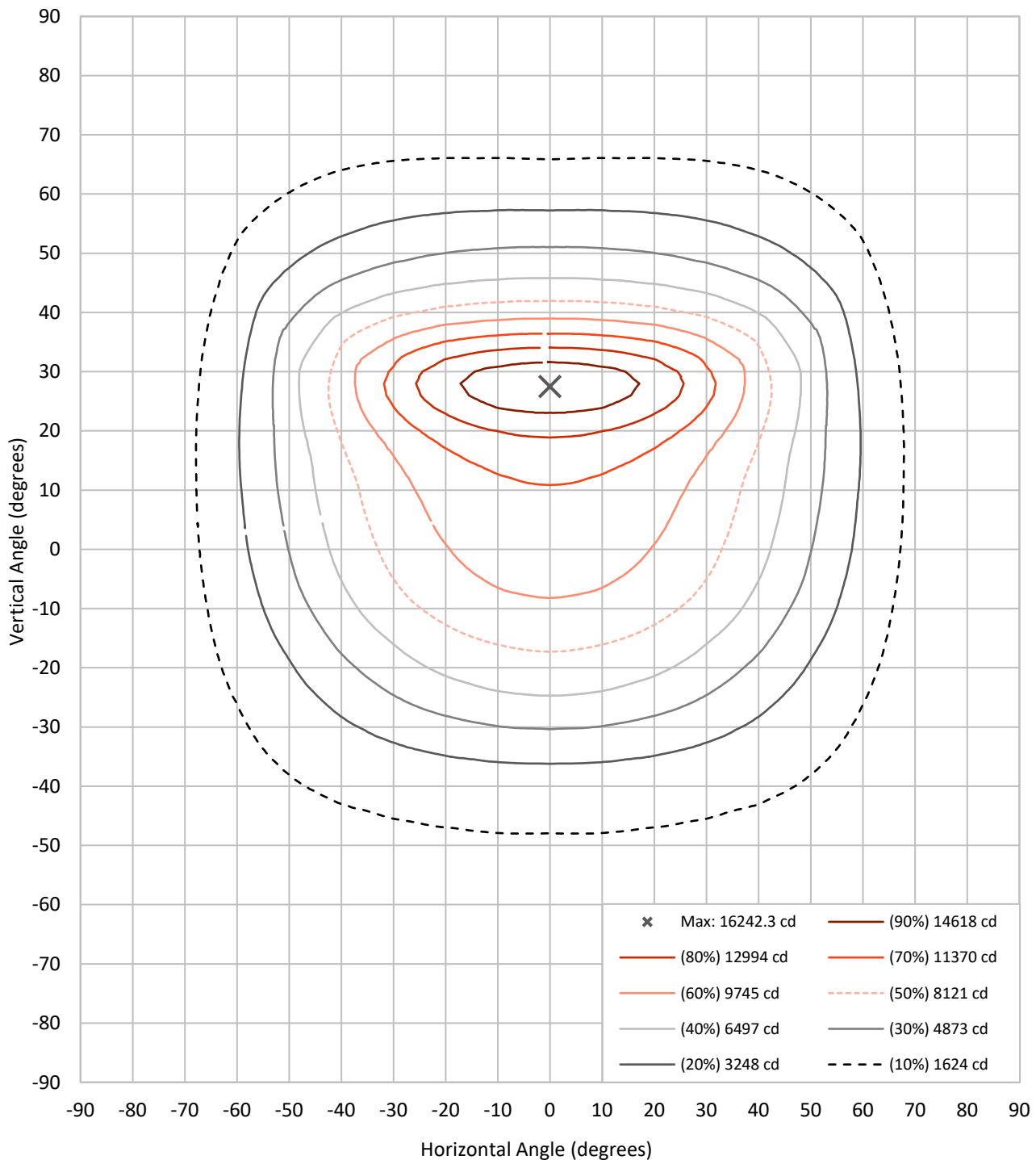
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	23678.5 lumens	Max Intensity:	16242.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	89.0 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:	12280.8 lumens	Field Lumens:	21904.7 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%
Input Watts (W):	266		
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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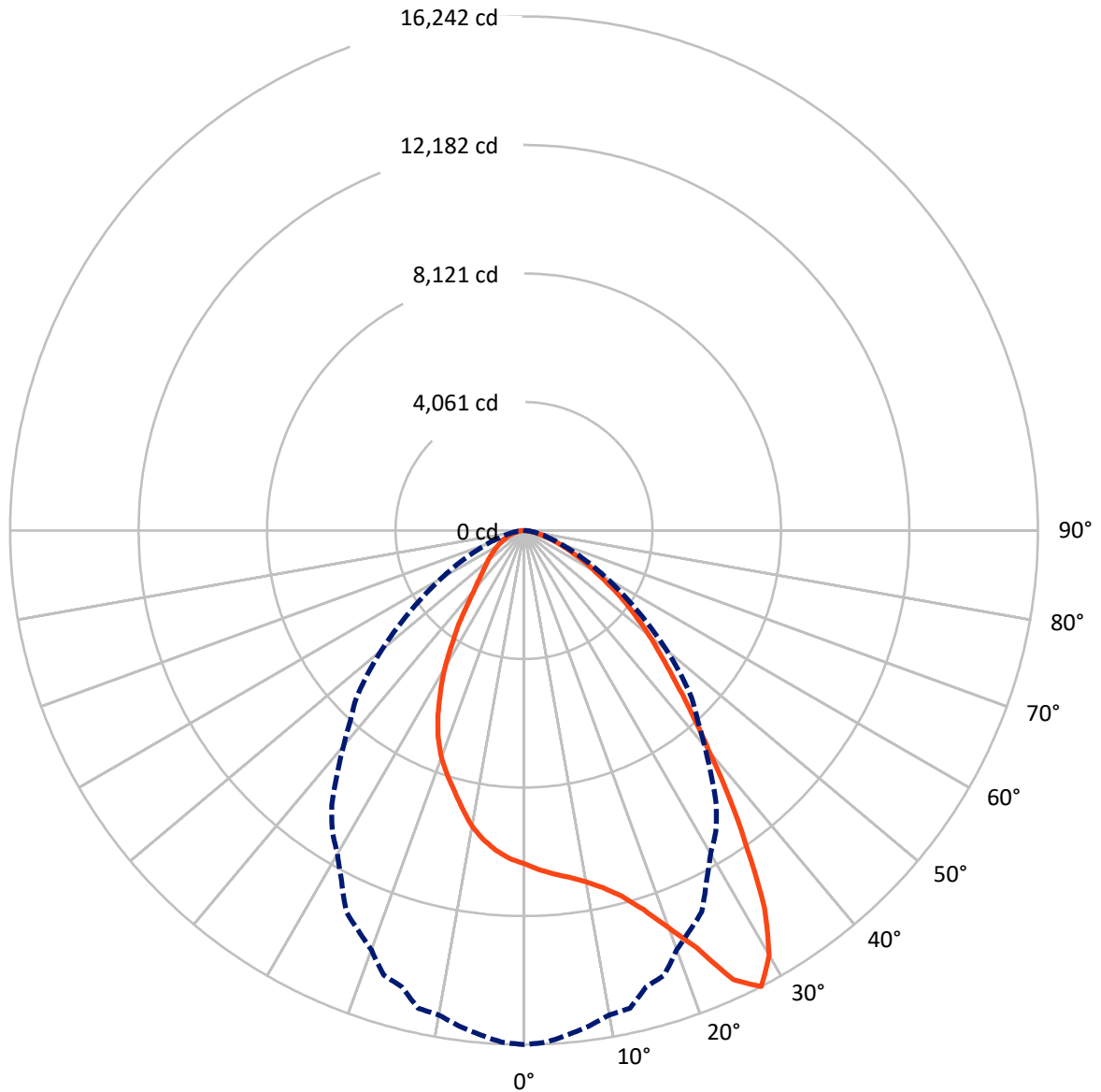
### Iso-Candela Plot





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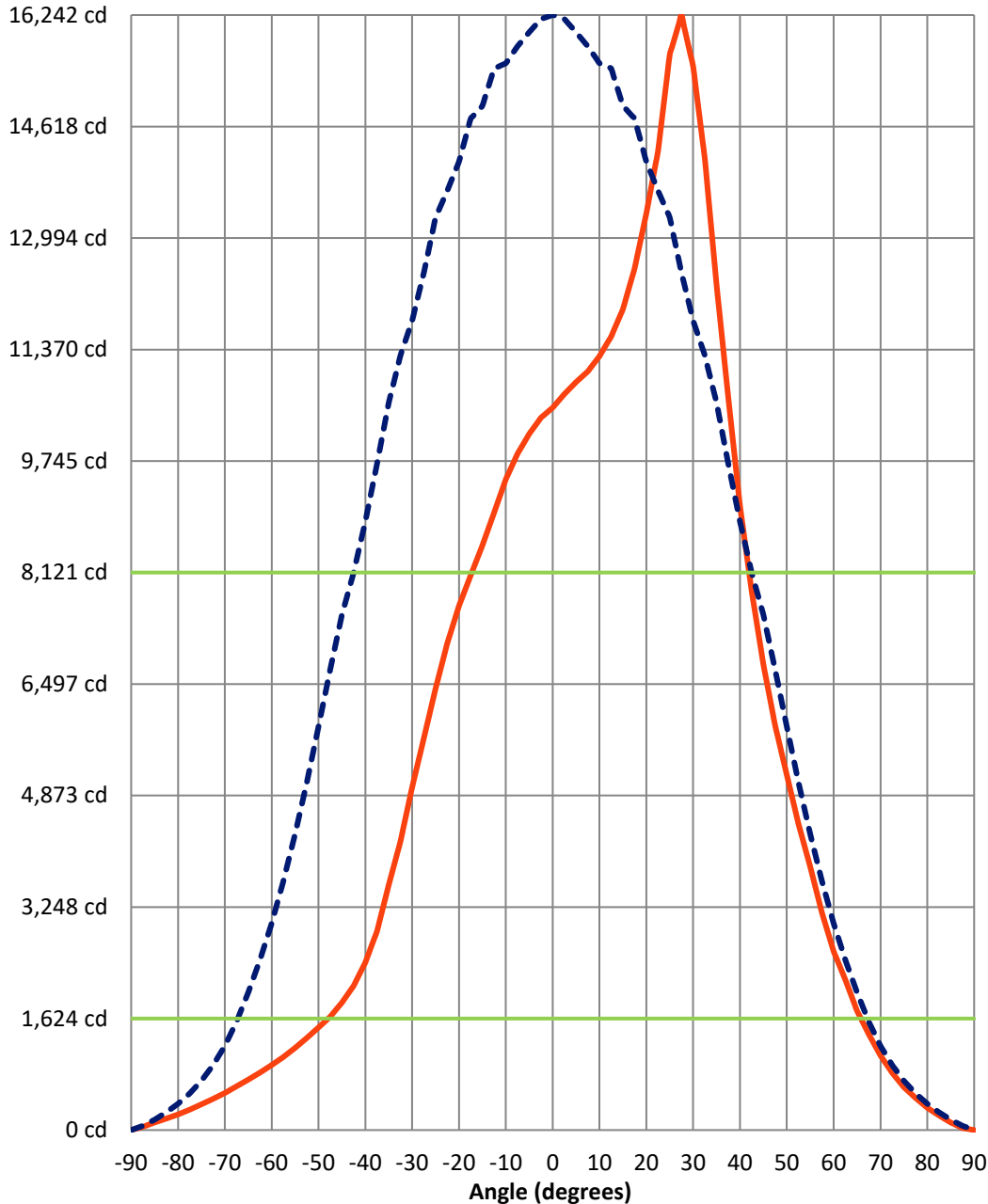
### Luminous Intensity Polar Plot



— 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: 12280.8  
 Efficiency: 51.9%

**Field:**  
 H Angle: 134.5°  
 V Angle: 113.8°  
 Lumens: 21904.7  
 Efficiency: 92.5%

**Spill:**  
 Lumens: 1773.9  
 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	3.1	6.3	9.4	12.4	15.3	18.1	20.9	23.5	26.1	28.5
85°	0.0	6.2	12.6	18.7	24.7	30.5	36.2	41.7	47.0	52.1	57.0
82.5°	0.0	9.3	18.9	28.1	37.0	45.8	54.2	62.5	71.8	87.5	103.9
80°	0.0	12.4	25.1	37.4	49.3	60.9	73.8	94.2	115.7	138.0	161.1
77.5°	0.0	15.4	31.3	46.6	61.4	79.4	104.7	131.3	159.1	187.9	221.5
75°	0.0	18.4	37.4	55.7	74.8	104.1	135.3	167.9	203.1	247.5	292.9
72.5°	0.0	21.4	43.5	64.7	93.6	128.4	165.4	206.8	257.6	309.8	363.2
70°	0.0	24.3	49.4	74.5	112.2	152.3	196.0	252.9	311.1	371.2	441.3
67.5°	0.0	27.2	55.3	87.7	130.3	175.7	233.5	298.0	363.8	441.7	520.2
65°	0.0	30.1	61.0	100.7	148.0	201.6	270.0	342.1	424.7	510.7	601.9
62.5°	0.0	32.8	66.6	113.3	165.3	229.9	305.2	391.2	484.2	580.5	691.9
60°	0.0	35.5	72.1	125.5	182.1	257.3	339.1	441.5	542.1	657.4	779.0
57.5°	0.0	38.2	79.8	137.4	202.2	283.5	377.5	489.8	605.0	731.5	878.5
55°	0.0	40.7	87.3	148.9	221.7	308.6	414.8	534.7	667.2	806.5	980.3
52.5°	0.0	43.2	94.6	160.0	240.4	333.3	450.1	582.4	726.7	890.5	1076.3
50°	0.0	45.6	101.6	170.6	258.2	360.3	483.3	627.8	786.6	969.4	1191.1
47.5°	0.0	47.9	108.4	181.3	275.0	385.7	514.9	670.1	850.7	1042.8	1300.5
45°	0.0	50.1	114.8	193.1	290.8	409.4	547.9	709.0	906.5	1131.7	1401.3
42.5°	0.0	52.2	121.0	204.2	305.6	431.4	578.4	749.9	957.7	1213.5	1514.7
40°	0.0	54.2	126.9	214.8	320.7	451.5	606.2	790.8	1009.3	1287.1	1620.9
37.5°	0.0	56.1	132.4	224.8	335.7	469.9	631.2	828.0	1065.1	1354.4	1716.0
35°	0.0	57.9	137.6	234.2	349.4	488.2	653.5	861.4	1114.2	1425.9	1805.7
32.5°	0.0	59.6	142.5	243.0	361.8	505.3	675.0	890.9	1156.6	1487.1	1885.5
30°	0.0	61.2	147.1	251.0	372.8	520.4	698.0	918.3	1192.4	1538.0	1951.7
27.5°	0.0	62.6	151.3	258.4	383.3	533.4	717.9	946.8	1225.6	1578.6	2004.4
25°	0.0	63.9	155.1	265.0	392.6	544.3	734.7	970.0	1258.0	1616.0	2043.9
22.5°	0.0	65.1	158.5	271.0	400.5	553.8	748.4	988.0	1282.3	1646.2	2077.7
20°	0.0	66.2	161.6	276.2	407.2	563.3	759.1	1001.1	1298.9	1665.8	2099.5
17.5°	0.0	67.1	164.3	280.8	412.5	571.1	768.7	1009.3	1307.9	1675.0	2109.5
15°	0.0	67.9	166.7	284.6	416.7	577.2	776.4	1014.9	1309.8	1674.4	2108.2
12.5°	0.0	68.6	168.6	287.6	419.6	581.7	781.2	1019.2	1309.8	1664.4	2095.6
10°	0.0	69.1	170.1	290.0	421.3	584.5	783.1	1019.4	1307.6	1659.4	2076.6
7.5°	0.0	69.6	171.3	291.6	421.9	585.7	782.2	1015.9	1299.9	1648.9	2055.4
5°	0.0	69.8	172.1	292.6	421.4	585.3	778.7	1008.8	1287.0	1631.3	2023.8
2.5°	0.0	70.0	172.4	292.8	419.8	583.2	772.8	998.2	1269.1	1607.1	1983.0
0°	0.0	70.0	172.4	292.3	417.2	579.6	764.5	984.4	1246.7	1576.5	1933.8
-2.5°	0.0	70.1	172.0	291.0	415.2	574.1	755.7	969.9	1224.7	1542.6	1884.3
-5°	0.0	70.1	171.2	289.0	412.2	567.2	744.9	952.6	1198.8	1503.2	1828.3
-7.5°	0.0	69.9	170.0	286.3	408.3	558.8	732.1	932.7	1169.3	1459.0	1766.7
-10°	0.0	69.6	168.5	283.0	403.4	549.2	717.4	910.3	1136.5	1410.4	1700.2
-12.5°	0.0	69.1	166.6	279.1	397.7	538.4	701.0	885.7	1100.8	1358.6	1635.0
-15°	0.0	68.6	164.3	274.5	391.0	526.5	682.8	859.1	1064.2	1307.7	1568.4
-17.5°	0.0	67.8	161.7	269.4	383.5	513.6	663.1	832.6	1027.6	1253.9	1498.5
-20°	0.0	67.0	158.8	263.7	375.1	499.7	642.6	805.7	989.0	1197.7	1425.7



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 CATALOG NUMBER: GFLD-SA5D-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	66.0	155.6	257.5	365.9	485.1	622.1	776.8	948.7	1139.7	1350.6
-25°	0.0	64.9	152.0	250.7	355.9	470.5	600.4	746.3	907.0	1080.1	1273.7
-27.5°	0.0	63.6	148.2	243.4	345.0	455.2	577.5	714.1	864.1	1022.4	1200.8
-30°	0.0	62.2	144.1	235.6	333.5	439.0	553.7	680.4	822.7	969.8	1128.0
-32.5°	0.0	60.7	139.7	227.4	321.5	421.8	528.9	649.0	781.4	916.9	1055.7
-35°	0.0	59.1	135.0	218.7	309.0	403.8	505.7	618.0	738.9	864.0	984.0
-37.5°	0.0	57.3	130.1	209.6	295.8	385.7	482.8	586.4	695.3	811.4	924.8
-40°	0.0	55.5	125.0	200.1	282.0	368.3	459.1	554.2	650.7	760.1	868.7
-42.5°	0.0	53.5	119.6	190.3	268.3	350.3	434.5	521.6	610.6	710.6	811.6
-45°	0.0	51.4	114.0	180.1	254.8	331.7	409.2	490.0	572.9	661.0	754.1
-47.5°	0.0	49.2	108.2	169.6	240.7	312.6	383.3	459.8	535.1	611.3	699.2
-50°	0.0	46.8	102.2	160.1	226.2	293.1	359.5	428.9	497.9	569.6	644.6
-52.5°	0.0	44.4	96.0	150.9	211.2	273.1	335.8	397.5	461.9	527.1	590.9
-55°	0.0	41.9	89.6	141.3	195.8	253.7	311.7	366.1	426.0	484.0	543.4
-57.5°	0.0	39.3	83.1	131.5	180.0	234.2	287.2	338.1	389.5	442.7	495.3
-60°	0.0	36.6	76.4	121.4	164.0	214.2	262.5	309.8	353.5	401.6	447.8
-62.5°	0.0	33.9	70.7	111.1	150.4	193.8	238.4	281.0	321.1	360.1	402.5
-65°	0.0	31.0	64.8	100.6	136.5	173.1	213.8	252.1	288.2	322.6	356.8
-67.5°	0.0	28.1	58.8	89.9	122.4	153.8	189.0	223.6	255.1	286.0	315.0
-70°	0.0	25.1	52.6	79.1	108.1	136.2	163.8	195.0	223.3	249.0	274.8
-72.5°	0.0	22.1	46.3	69.2	93.6	118.3	142.1	166.1	191.5	214.5	235.0
-75°	0.0	19.0	39.9	59.6	79.0	100.3	120.8	140.5	159.6	180.0	198.3
-77.5°	0.0	15.9	33.4	49.8	65.7	82.1	99.3	116.0	131.9	146.7	161.5
-80°	0.0	12.8	26.8	40.0	52.7	65.2	77.6	91.4	104.4	116.7	128.1
-82.5°	0.0	9.6	20.2	30.0	39.6	49.0	58.1	67.5	76.9	86.5	95.5
-85°	0.0	6.4	13.5	20.0	26.5	32.7	38.8	45.1	51.2	57.3	63.3
-87.5°	0.0	3.2	6.8	10.0	13.2	16.4	19.4	22.5	25.6	28.7	31.7
-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: P559090 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	30.0	31.3	32.2	33.0	34.2	35.4	36.3	37.1	37.8	38.3	38.7
85°	60.0	62.5	69.9	77.0	84.3	91.0	96.9	102.2	106.4	109.9	112.6
82.5°	117.3	129.8	141.6	152.8	163.0	172.1	180.9	190.9	199.0	205.8	211.3
80°	179.8	196.9	217.7	237.2	254.8	270.8	285.5	298.7	309.0	319.3	329.3
77.5°	252.7	280.5	306.2	330.0	353.0	379.8	404.6	427.4	444.9	458.1	468.3
75°	331.2	364.0	401.6	438.8	473.8	506.0	537.2	575.3	606.3	629.6	648.3
72.5°	414.9	462.1	508.1	552.7	604.0	653.9	702.3	749.1	790.3	820.4	844.9
70°	505.3	560.1	623.6	687.8	749.6	812.3	879.1	939.8	990.1	1025.7	1059.6
67.5°	597.6	674.7	749.8	827.1	914.6	994.3	1067.2	1144.2	1212.0	1256.6	1295.7
65°	704.1	790.3	890.7	993.1	1089.2	1188.7	1280.9	1364.4	1450.0	1512.1	1563.2
62.5°	807.1	928.3	1046.6	1166.5	1287.2	1395.5	1515.9	1623.2	1709.2	1798.3	1874.5
60°	929.2	1073.2	1218.3	1362.8	1498.0	1650.0	1782.0	1906.8	2021.8	2121.1	2214.9
57.5°	1051.1	1236.9	1408.6	1578.3	1757.0	1919.6	2074.8	2214.6	2352.1	2467.0	2579.5
55°	1179.3	1418.5	1616.7	1826.2	2022.8	2206.5	2380.9	2556.0	2702.6	2860.7	2998.4
52.5°	1321.6	1594.9	1850.9	2081.6	2303.2	2515.2	2723.7	2934.4	3140.2	3304.2	3459.8
50°	1454.5	1780.3	2088.3	2351.6	2606.3	2857.9	3118.6	3381.9	3608.8	3796.4	3958.3
47.5°	1601.0	1952.6	2343.9	2635.2	2940.8	3252.6	3569.0	3859.9	4107.1	4362.3	4541.1
45°	1743.6	2127.0	2551.6	2955.6	3309.3	3686.9	4035.4	4356.4	4714.5	4993.2	5232.2
42.5°	1873.8	2292.2	2764.8	3279.0	3721.3	4126.5	4503.7	4955.2	5366.7	5692.5	5990.7
40°	2007.8	2442.5	2958.6	3579.4	4132.1	4564.7	5023.8	5522.8	6058.3	6459.2	6815.7
37.5°	2130.3	2596.2	3135.9	3808.6	4536.5	5012.1	5519.8	6061.1	6671.7	7274.7	7703.2
35°	2238.7	2726.4	3311.9	3995.1	4740.3	5445.8	5982.7	6559.2	7227.4	8009.9	8594.9
32.5°	2337.0	2832.7	3451.4	4140.6	4896.6	5723.8	6404.9	6996.9	7667.2	8474.5	9468.2
30°	2417.1	2935.6	3555.5	4245.8	5003.9	5827.7	6692.8	7337.7	7973.8	8766.2	9691.0
27.5°	2477.9	3011.1	3627.1	4311.4	5061.3	5876.0	6708.1	7503.6	8119.5	8865.1	9706.1
25°	2524.6	3072.9	3665.0	4335.7	5069.8	5854.8	6655.5	7408.4	8099.7	8757.0	9511.7
22.5°	2563.2	3115.6	3706.6	4319.3	5031.5	5779.4	6532.5	7250.3	7919.5	8534.8	9184.0
20°	2592.2	3142.9	3727.6	4335.3	4967.4	5656.9	6377.1	7060.3	7706.7	8302.5	8830.9
17.5°	2605.3	3151.0	3727.6	4332.4	4956.5	5559.7	6186.8	6843.4	7478.9	8070.9	8592.9
15°	2602.9	3140.5	3707.1	4309.3	4924.0	5521.6	6099.3	6641.0	7232.8	7831.2	8351.4
12.5°	2585.7	3112.1	3666.7	4266.1	4871.3	5461.6	6029.0	6572.9	7103.5	7604.7	8102.0
10°	2554.3	3066.7	3607.4	4203.2	4798.2	5379.9	5939.9	6485.7	7010.8	7502.8	7965.9
7.5°	2522.2	3015.8	3536.1	4120.7	4705.1	5276.6	5831.5	6378.3	6893.1	7384.2	7851.8
5°	2479.6	2961.9	3481.7	4041.8	4605.1	5162.6	5705.7	6249.7	6750.9	7246.4	7715.8
2.5°	2425.6	2895.0	3413.2	3946.1	4493.2	5044.7	5569.5	6103.4	6617.3	7093.6	7556.1
0°	2361.0	2815.7	3330.4	3832.6	4362.3	4906.9	5411.6	5933.8	6468.4	6918.2	7370.4
-2.5°	2290.7	2720.8	3209.7	3709.4	4221.3	4755.5	5272.9	5768.0	6290.8	6745.4	7207.2
-5°	2211.8	2616.0	3076.4	3570.4	4063.8	4584.5	5111.6	5582.3	6081.8	6531.3	6985.5
-7.5°	2125.7	2502.9	2932.2	3414.3	3884.4	4375.5	4874.7	5327.6	5813.1	6257.7	6700.1
-10°	2034.7	2391.3	2792.0	3237.9	3681.1	4138.8	4607.7	5051.2	5518.1	5960.9	6386.6
-12.5°	1947.5	2281.2	2647.6	3053.0	3466.5	3889.5	4325.6	4753.7	5196.6	5641.5	6039.5
-15°	1856.2	2165.6	2498.3	2861.7	3242.5	3629.6	4030.1	4435.3	4851.0	5286.2	5653.9
-17.5°	1761.7	2045.4	2346.0	2666.2	3010.7	3361.2	3729.4	4120.4	4500.8	4897.3	5253.0
-20°	1665.0	1921.7	2192.4	2468.4	2774.4	3110.5	3454.9	3805.8	4151.5	4496.8	4830.8



REPORT NUMBER: P559090 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	1567.0	1795.4	2041.7	2284.5	2575.6	2879.1	3181.3	3485.9	3796.0	4093.3	4409.2
-25°	1472.4	1678.1	1895.7	2131.7	2381.6	2649.1	2908.8	3166.2	3441.2	3719.9	3991.9
-27.5°	1381.1	1562.6	1768.0	1978.5	2186.7	2424.8	2652.1	2870.3	3110.3	3356.1	3575.8
-30°	1289.7	1462.0	1641.9	1828.7	2011.8	2210.6	2407.1	2598.5	2794.0	3004.6	3194.9
-32.5°	1204.8	1362.2	1525.8	1689.6	1845.0	1999.2	2180.8	2350.9	2510.9	2660.8	2826.9
-35°	1127.3	1271.6	1413.8	1555.0	1683.1	1818.6	1970.5	2113.7	2242.1	2362.5	2489.5
-37.5°	1054.2	1182.6	1302.4	1428.6	1542.4	1658.5	1770.2	1894.2	1998.3	2094.6	2198.7
-40°	980.8	1095.7	1203.6	1308.9	1413.3	1510.2	1605.6	1689.9	1773.7	1866.2	1937.9
-42.5°	908.6	1015.3	1111.8	1192.7	1291.1	1374.7	1448.7	1518.6	1587.1	1659.2	1716.6
-45°	844.8	935.7	1023.8	1101.2	1175.1	1246.2	1309.1	1363.9	1428.8	1478.9	1522.2
-47.5°	780.5	859.3	939.8	1011.3	1073.0	1130.9	1177.6	1232.7	1285.8	1328.8	1354.1
-50°	717.3	789.2	857.4	924.0	979.9	1026.5	1066.8	1112.1	1156.3	1192.8	1216.9
-52.5°	658.9	719.0	782.3	839.0	890.4	932.0	970.6	1010.0	1042.4	1067.5	1099.1
-55°	601.3	656.7	709.5	760.4	804.4	842.5	880.2	915.2	942.9	964.6	990.7
-57.5°	547.2	597.2	643.2	685.9	725.4	758.2	794.9	824.8	850.6	870.9	897.8
-60°	494.4	539.1	581.0	618.2	650.7	683.0	712.9	740.4	762.9	783.0	807.7
-62.5°	442.0	482.4	520.1	554.3	583.8	610.6	637.6	661.0	679.8	700.6	721.1
-65°	392.9	427.0	460.0	491.2	519.1	544.5	566.7	585.7	603.3	621.8	638.3
-67.5°	344.0	375.7	403.4	428.2	453.9	478.6	499.2	516.7	531.5	546.5	560.4
-70°	300.1	325.4	350.7	373.0	392.6	413.2	433.2	449.7	462.8	474.7	485.9
-72.5°	257.0	279.4	300.3	319.5	337.4	353.9	369.6	384.6	396.9	406.1	414.2
-75°	216.1	233.5	251.5	268.4	282.9	295.7	307.7	319.7	329.7	337.6	344.1
-77.5°	176.9	191.5	205.4	218.3	228.8	238.9	248.3	256.9	264.6	270.7	275.0
-80°	138.9	149.5	160.7	171.3	179.4	186.2	192.2	197.3	203.0	208.8	213.9
-82.5°	103.4	111.1	118.5	125.6	131.3	136.0	140.2	144.1	148.2	151.9	155.3
-85°	68.1	72.5	77.0	81.4	85.6	89.4	92.7	95.4	97.7	99.6	101.1
-87.5°	34.1	36.2	38.3	40.1	42.2	44.2	46.0	47.7	48.8	49.8	50.6
-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: P559090 (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°	38.9	39.0	39.0	38.8	38.5	37.0	35.3	33.4	31.4	32.3	33.2
85°	114.5	115.0	114.6	113.5	111.6	111.5	111.1	110.4	109.3	111.0	112.4
82.5°	215.6	217.2	217.4	216.3	214.1	215.1	215.5	215.1	213.9	215.4	216.3
80°	336.9	340.1	340.2	338.0	333.4	334.0	334.4	333.4	331.2	331.8	331.6
77.5°	479.9	487.4	489.9	488.9	484.3	482.9	479.6	473.1	463.5	463.3	463.6
75°	662.4	670.0	673.9	673.6	669.2	666.3	662.1	654.6	643.9	643.5	643.6
72.5°	863.7	874.8	879.8	884.3	884.3	882.7	877.2	866.0	849.5	847.5	849.5
70°	1086.1	1104.8	1116.7	1125.8	1133.0	1134.5	1131.0	1122.0	1107.5	1103.7	1102.5
67.5°	1333.8	1363.7	1386.3	1401.4	1415.7	1425.9	1429.7	1425.7	1414.0	1410.1	1411.6
65°	1611.3	1657.5	1695.6	1724.2	1743.3	1756.9	1768.7	1775.7	1777.5	1781.6	1787.1
62.5°	1935.6	1992.4	2045.4	2081.5	2100.1	2113.2	2151.3	2173.2	2179.6	2180.9	2189.3
60°	2297.7	2369.4	2435.5	2488.7	2531.6	2564.1	2596.5	2618.0	2626.0	2627.6	2639.2
57.5°	2693.7	2783.6	2861.1	2943.4	3000.8	3034.0	3077.3	3122.0	3145.3	3151.9	3179.4
55°	3131.7	3254.5	3355.0	3443.0	3523.1	3593.6	3653.1	3699.2	3733.1	3753.6	3790.0
52.5°	3616.1	3760.4	3865.4	3968.7	4083.7	4164.6	4217.6	4302.7	4364.3	4398.2	4441.5
50°	4148.0	4308.8	4451.8	4560.2	4693.9	4804.4	4885.1	4965.7	5022.1	5054.4	5096.3
47.5°	4753.4	4951.4	5117.5	5217.9	5373.0	5503.4	5555.9	5616.8	5723.0	5774.0	5818.9
45°	5435.1	5687.7	5872.2	6029.2	6162.6	6308.8	6404.6	6473.7	6578.3	6630.9	6664.0
42.5°	6246.2	6527.2	6770.2	6958.8	7070.9	7260.5	7398.9	7437.8	7586.0	7686.5	7716.1
40°	7155.8	7467.3	7787.9	8002.9	8183.4	8375.9	8604.1	8731.2	8856.5	8955.1	8977.3
37.5°	8103.7	8520.7	8886.6	9164.1	9462.6	9746.7	9988.5	10120.4	10202.6	10391.1	10461.5
35°	9067.3	9497.6	10010.2	10441.6	10803.3	11154.0	11429.9	11647.2	11854.0	12023.8	12125.4
32.5°	9887.9	10351.0	10983.8	11629.7	12020.3	12400.1	12853.3	13101.8	13377.8	13601.5	13764.8
30°	10562.2	11002.5	11578.7	12389.2	12923.9	13308.9	13882.4	14226.1	14526.7	14905.7	15037.6
27.5°	10594.2	11282.3	11791.8	12489.9	13292.3	13683.0	14107.5	14732.2	14921.7	15462.2	15540.0
25°	10316.1	11038.6	11562.2	12144.9	12812.0	13287.4	13675.0	14194.5	14466.4	14814.0	15081.0
22.5°	9881.2	10517.9	11052.0	11546.1	12066.7	12499.6	12853.9	13219.0	13517.5	13787.2	14037.7
20°	9400.8	10005.2	10511.8	10936.7	11349.2	11750.5	12069.2	12375.8	12634.0	12865.5	13008.1
17.5°	9062.5	9497.3	10014.9	10450.2	10807.9	11122.8	11452.5	11709.1	11935.6	12144.0	12274.3
15°	8831.5	9245.1	9613.5	10013.0	10390.0	10690.1	10938.4	11203.2	11398.9	11578.3	11719.5
12.5°	8591.8	9017.9	9403.5	9736.2	10031.3	10359.2	10624.5	10832.8	11038.1	11179.0	11324.0
10°	8391.6	8790.3	9190.2	9541.5	9852.0	10122.2	10373.3	10607.0	10791.3	10949.2	11063.5
7.5°	8275.4	8666.3	9025.8	9362.8	9665.4	9953.4	10212.5	10426.7	10609.3	10772.8	10892.5
5°	8140.6	8527.6	8886.4	9230.9	9521.6	9798.2	10056.2	10276.6	10465.6	10611.3	10725.8
2.5°	7986.1	8367.8	8725.8	9075.9	9366.5	9633.3	9877.5	10092.4	10289.4	10428.1	10525.7
0°	7810.1	8192.4	8542.1	8871.9	9164.3	9451.6	9676.4	9893.8	10086.2	10223.6	10321.0
-2.5°	7632.6	8012.5	8374.6	8690.6	8980.7	9246.0	9485.3	9690.6	9874.3	10011.1	10096.7
-5°	7396.6	7774.1	8131.5	8449.9	8753.0	9019.3	9252.0	9460.7	9637.7	9786.9	9902.9
-7.5°	7110.8	7492.6	7849.6	8174.7	8476.3	8728.0	8951.4	9161.7	9350.7	9513.6	9656.4
-10°	6796.5	7174.2	7511.5	7816.0	8097.1	8352.9	8590.6	8798.4	8971.6	9131.1	9251.3
-12.5°	6430.6	6780.3	7110.2	7410.4	7685.1	7941.3	8167.3	8365.3	8539.6	8681.1	8789.4
-15°	6026.8	6358.7	6671.2	6978.0	7265.7	7518.0	7716.9	7925.5	8076.5	8213.8	8311.3
-17.5°	5594.8	5915.7	6244.4	6552.0	6817.5	7066.4	7285.3	7475.9	7634.4	7760.3	7870.3
-20°	5157.0	5483.8	5800.1	6093.2	6348.7	6579.4	6801.0	6984.1	7146.6	7283.5	7412.6



REPORT NUMBER: P559090 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4717.3	5017.0	5313.9	5600.6	5842.2	6060.4	6254.4	6429.6	6573.0	6734.4	6848.4
-25°	4265.5	4528.2	4796.3	5049.6	5277.9	5492.4	5668.2	5821.9	5971.3	6127.2	6238.3
-27.5°	3811.6	4043.9	4261.6	4485.7	4685.8	4871.6	5034.8	5169.2	5314.3	5418.4	5540.5
-30°	3362.7	3573.4	3755.0	3910.9	4099.1	4258.5	4385.5	4519.0	4638.9	4738.4	4841.3
-32.5°	2982.6	3126.7	3271.7	3402.1	3527.3	3658.3	3760.6	3877.2	3959.3	4045.0	4128.2
-35°	2617.3	2728.3	2824.6	2946.6	3040.3	3111.7	3197.0	3282.5	3315.4	3408.6	3458.2
-37.5°	2286.5	2359.3	2449.2	2534.1	2603.8	2657.1	2733.1	2777.8	2801.4	2861.7	2894.0
-40°	2003.3	2049.3	2133.2	2191.2	2233.1	2271.8	2334.9	2364.1	2396.3	2426.2	2427.1
-42.5°	1754.2	1813.4	1870.3	1915.9	1942.3	1986.4	2016.2	2019.5	2061.2	2087.8	2091.9
-45°	1550.5	1610.6	1655.7	1689.2	1715.6	1753.5	1772.7	1783.5	1817.4	1835.5	1843.5
-47.5°	1394.0	1436.0	1475.0	1500.9	1535.5	1563.7	1577.7	1595.6	1621.7	1638.3	1650.1
-50°	1256.4	1289.7	1319.3	1343.0	1377.6	1402.6	1416.0	1438.0	1457.5	1469.5	1478.9
-52.5°	1135.4	1165.1	1185.7	1208.7	1237.3	1259.5	1276.6	1298.4	1314.6	1325.2	1333.5
-55°	1022.2	1050.1	1070.1	1095.2	1115.7	1130.6	1145.1	1166.4	1182.4	1193.1	1200.2
-57.5°	922.2	943.2	962.9	985.6	1005.1	1021.3	1034.3	1046.1	1056.5	1065.4	1072.2
-60°	828.6	845.7	863.7	881.5	896.2	907.8	921.8	932.5	939.3	943.5	949.2
-62.5°	738.5	753.9	769.9	784.3	796.0	805.7	817.0	825.8	832.1	836.6	839.9
-65°	653.0	666.2	679.8	691.7	701.9	710.3	718.3	724.5	728.9	732.6	735.5
-67.5°	573.0	583.5	592.9	601.2	608.8	616.0	623.0	627.7	630.3	633.3	636.4
-70°	495.7	504.0	510.4	515.3	519.8	525.5	532.2	536.9	539.6	542.5	545.3
-72.5°	421.1	427.1	432.3	436.4	438.9	442.5	447.2	451.0	453.9	456.1	457.2
-75°	349.2	354.2	358.7	361.9	363.7	366.4	368.7	370.0	370.2	371.2	371.9
-77.5°	278.8	283.7	288.0	291.0	292.9	295.0	296.7	297.7	297.9	298.0	297.3
-80°	217.7	221.1	223.8	225.9	227.3	228.8	229.7	229.9	229.4	229.9	230.1
-82.5°	158.2	161.1	163.6	165.4	166.7	168.2	169.4	170.3	170.8	171.0	170.8
-85°	102.4	103.7	105.0	106.2	107.3	108.0	108.4	108.4	108.2	108.3	108.1
-87.5°	51.2	50.6	49.8	48.8	47.6	47.9	48.2	48.3	48.3	48.8	49.2
-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: P559090 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	34.1	34.9	32.5	30.0	32.5	34.9	34.1	33.2	32.3	31.4	33.4
85°	113.5	114.3	112.3	109.9	112.3	114.3	113.5	112.4	111.0	109.3	110.4
82.5°	216.6	216.3	214.6	212.4	214.6	216.3	216.6	216.3	215.4	213.9	215.1
80°	330.4	328.2	326.9	324.8	326.9	328.2	330.4	331.6	331.8	331.2	333.4
77.5°	462.4	459.9	464.0	467.2	464.0	459.9	462.4	463.6	463.3	463.5	473.1
75°	641.1	636.1	631.4	624.6	631.4	636.1	641.1	643.6	643.5	643.9	654.6
72.5°	848.6	844.8	840.9	834.5	840.9	844.8	848.6	849.5	847.5	849.5	866.0
70°	1095.9	1084.3	1086.2	1086.8	1086.2	1084.3	1095.9	1102.5	1103.7	1107.5	1122.0
67.5°	1407.1	1396.5	1397.8	1396.6	1397.8	1396.5	1407.1	1411.6	1410.1	1414.0	1425.7
65°	1783.8	1771.9	1757.6	1736.4	1757.6	1771.9	1783.8	1787.1	1781.6	1777.5	1775.7
62.5°	2188.2	2177.7	2183.8	2188.6	2183.8	2177.7	2188.2	2189.3	2180.9	2179.6	2173.2
60°	2637.3	2622.6	2615.3	2603.4	2615.3	2622.6	2637.3	2639.2	2627.6	2626.0	2618.0
57.5°	3192.0	3189.3	3182.8	3165.5	3182.8	3189.3	3192.0	3179.4	3151.9	3145.3	3122.0
55°	3807.0	3803.5	3817.8	3835.1	3817.8	3803.5	3807.0	3790.0	3753.6	3733.1	3699.2
52.5°	4473.5	4484.8	4480.7	4457.2	4480.7	4484.8	4473.5	4441.5	4398.2	4364.3	4302.7
50°	5133.3	5145.9	5159.4	5171.8	5159.4	5145.9	5133.3	5096.3	5054.4	5022.1	4965.7
47.5°	5880.9	5914.2	5920.0	5896.3	5920.0	5914.2	5880.9	5818.9	5774.0	5723.0	5616.8
45°	6730.4	6750.5	6760.7	6780.8	6760.7	6750.5	6730.4	6664.0	6630.9	6578.3	6473.7
42.5°	7801.3	7824.6	7828.2	7850.1	7828.2	7824.6	7801.3	7716.1	7686.5	7586.0	7437.8
40°	9072.5	9110.2	9103.7	9094.3	9103.7	9110.2	9072.5	8977.3	8955.1	8856.5	8731.2
37.5°	10560.6	10624.6	10631.3	10670.8	10631.3	10624.6	10560.6	10461.5	10391.1	10202.6	10120.4
35°	12230.7	12306.0	12293.0	12312.3	12293.0	12306.0	12230.7	12125.4	12023.8	11854.0	11647.2
32.5°	13915.2	14028.3	14051.0	14146.1	14051.0	14028.3	13915.2	13764.8	13601.5	13377.8	13101.8
30°	15238.8	15397.2	15500.6	15492.8	15500.6	15397.2	15238.8	15037.6	14905.7	14526.7	14226.1
27.5°	15787.0	15992.2	16184.3	16242.3	16184.3	15992.2	15787.0	15540.0	15462.2	14921.7	14732.2
25°	15252.1	15402.0	15571.7	15662.7	15571.7	15402.0	15252.1	15081.0	14814.0	14466.4	14194.5
22.5°	14152.9	14250.5	14308.2	14261.1	14308.2	14250.5	14152.9	14037.7	13787.2	13517.5	13219.0
20°	13155.6	13278.9	13301.9	13351.6	13301.9	13278.9	13155.6	13008.1	12865.5	12634.0	12375.8
17.5°	12413.2	12494.0	12541.4	12552.1	12541.4	12494.0	12413.2	12274.3	12144.0	11935.6	11709.1
15°	11831.4	11896.1	11938.7	11957.5	11938.7	11896.1	11831.4	11719.5	11578.3	11398.9	11203.2
12.5°	11419.1	11498.0	11536.8	11560.3	11536.8	11498.0	11419.1	11324.0	11179.0	11038.1	10832.8
10°	11154.7	11230.9	11261.6	11272.9	11261.6	11230.9	11154.7	11063.5	10949.2	10791.3	10607.0
7.5°	10964.8	11013.8	11034.5	11050.6	11034.5	11013.8	10964.8	10892.5	10772.8	10609.3	10426.7
5°	10811.7	10850.6	10872.5	10895.7	10872.5	10850.6	10811.7	10725.8	10611.3	10465.6	10276.6
2.5°	10603.2	10658.9	10697.5	10720.8	10697.5	10658.9	10603.2	10525.7	10428.1	10289.4	10092.4
0°	10398.5	10451.0	10478.4	10523.4	10478.4	10451.0	10398.5	10321.0	10223.6	10086.2	9893.8
-2.5°	10173.4	10234.2	10306.3	10376.0	10306.3	10234.2	10173.4	10096.7	10011.1	9874.3	9690.6
-5°	10001.2	10081.5	10096.5	10141.1	10096.5	10081.5	10001.2	9902.9	9786.9	9637.7	9460.7
-7.5°	9741.4	9778.0	9840.3	9851.3	9840.3	9778.0	9741.4	9656.4	9513.6	9350.7	9161.7
-10°	9341.2	9400.7	9439.5	9479.1	9439.5	9400.7	9341.2	9251.3	9131.1	8971.6	8798.4
-12.5°	8870.8	8940.7	9003.2	8994.4	9003.2	8940.7	8870.8	8789.4	8681.1	8539.6	8365.3
-15°	8412.5	8480.1	8523.0	8517.2	8523.0	8480.1	8412.5	8311.3	8213.8	8076.5	7925.5
-17.5°	7957.7	8019.3	8081.4	8079.9	8081.4	8019.3	7957.7	7870.3	7760.3	7634.4	7475.9
-20°	7488.0	7540.8	7607.3	7635.2	7607.3	7540.8	7488.0	7412.6	7283.5	7146.6	6984.1



REPORT NUMBER: P559090 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	6945.0	7012.5	7060.9	7090.6	7060.9	7012.5	6945.0	6848.4	6734.4	6573.0	6429.6
-25°	6312.0	6381.3	6418.0	6431.0	6418.0	6381.3	6312.0	6238.3	6127.2	5971.3	5821.9
-27.5°	5612.6	5690.3	5728.1	5708.9	5728.1	5690.3	5612.6	5540.5	5418.4	5314.3	5169.2
-30°	4895.4	4945.3	4951.1	4994.4	4951.1	4945.3	4895.4	4841.3	4738.4	4638.9	4519.0
-32.5°	4187.8	4221.2	4202.3	4204.9	4202.3	4221.2	4187.8	4128.2	4045.0	3959.3	3877.2
-35°	3489.1	3515.7	3521.1	3570.3	3521.1	3515.7	3489.1	3458.2	3408.6	3315.4	3282.5
-37.5°	2927.4	2938.2	2921.7	2898.2	2921.7	2938.2	2927.4	2894.0	2861.7	2801.4	2777.8
-40°	2450.9	2459.3	2453.2	2441.0	2453.2	2459.3	2450.9	2427.1	2426.2	2396.3	2364.1
-42.5°	2108.2	2108.3	2102.7	2101.2	2102.7	2108.3	2108.2	2091.9	2087.8	2061.2	2019.5
-45°	1855.0	1857.7	1857.2	1856.3	1857.2	1857.7	1855.0	1843.5	1835.5	1817.4	1783.5
-47.5°	1658.6	1659.2	1656.6	1651.5	1656.6	1659.2	1658.6	1650.1	1638.3	1621.7	1595.6
-50°	1484.7	1484.7	1488.1	1494.1	1488.1	1484.7	1484.7	1478.9	1469.5	1457.5	1438.0
-52.5°	1337.8	1337.5	1339.4	1341.7	1339.4	1337.5	1337.8	1333.5	1325.2	1314.6	1298.4
-55°	1203.4	1202.6	1200.8	1196.8	1200.8	1202.6	1203.4	1200.2	1193.1	1182.4	1166.4
-57.5°	1074.8	1073.3	1070.1	1064.3	1070.1	1073.3	1074.8	1072.2	1065.4	1056.5	1046.1
-60°	952.3	952.9	951.3	946.9	951.3	952.9	952.3	949.2	943.5	939.3	932.5
-62.5°	840.7	839.0	838.6	837.0	838.6	839.0	840.7	839.9	836.6	832.1	825.8
-65°	736.0	734.3	734.9	734.5	734.9	734.3	736.0	735.5	732.6	728.9	724.5
-67.5°	637.6	637.1	637.6	637.1	637.6	637.1	637.6	636.4	633.3	630.3	627.7
-70°	546.9	547.2	544.3	539.7	544.3	547.2	546.9	545.3	542.5	539.6	536.9
-72.5°	456.9	455.3	455.4	454.7	455.4	455.3	456.9	457.2	456.1	453.9	451.0
-75°	371.7	370.7	373.1	374.8	373.1	370.7	371.7	371.9	371.2	370.2	370.0
-77.5°	295.9	293.7	295.7	297.3	295.7	293.7	295.9	297.3	298.0	297.9	297.7
-80°	229.8	229.0	228.4	227.4	228.4	229.0	229.8	230.1	229.9	229.4	229.9
-82.5°	170.2	169.2	168.5	167.4	168.5	169.2	170.2	170.8	171.0	170.8	170.3
-85°	107.7	107.0	108.5	109.9	108.5	107.0	107.7	108.1	108.3	108.2	108.4
-87.5°	49.6	49.8	48.7	47.5	48.7	49.8	49.6	49.2	48.8	48.3	48.3
-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: P559090 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-935-U-WAF-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°	35.3	37.0	38.5	38.8	39.0	39.0	38.9	38.7	38.3	37.8	37.1
85°	111.1	111.5	111.6	113.5	114.6	115.0	114.5	112.6	109.9	106.4	102.2
82.5°	215.5	215.1	214.1	216.3	217.4	217.2	215.6	211.3	205.8	199.0	190.9
80°	334.4	334.0	333.4	338.0	340.2	340.1	336.9	329.3	319.3	309.0	298.7
77.5°	479.6	482.9	484.3	488.9	489.9	487.4	479.9	468.3	458.1	444.9	427.4
75°	662.1	666.3	669.2	673.6	673.9	670.0	662.4	648.3	629.6	606.3	575.3
72.5°	877.2	882.7	884.3	884.3	879.8	874.8	863.7	844.9	820.4	790.3	749.1
70°	1131.0	1134.5	1133.0	1125.8	1116.7	1104.8	1086.1	1059.6	1025.7	990.1	939.8
67.5°	1429.7	1425.9	1415.7	1401.4	1386.3	1363.7	1333.8	1295.7	1256.6	1212.0	1144.2
65°	1768.7	1756.9	1743.3	1724.2	1695.6	1657.5	1611.3	1563.2	1512.1	1450.0	1364.4
62.5°	2151.3	2113.2	2100.1	2081.5	2045.4	1992.4	1935.6	1874.5	1798.3	1709.2	1623.2
60°	2596.5	2564.1	2531.6	2488.7	2435.5	2369.4	2297.7	2214.9	2121.1	2021.8	1906.8
57.5°	3077.3	3034.0	3000.8	2943.4	2861.1	2783.6	2693.7	2579.5	2467.0	2352.1	2214.6
55°	3653.1	3593.6	3523.1	3443.0	3355.0	3254.5	3131.7	2998.4	2860.7	2702.6	2556.0
52.5°	4217.6	4164.6	4083.7	3968.7	3865.4	3760.4	3616.1	3459.8	3304.2	3140.2	2934.4
50°	4885.1	4804.4	4693.9	4560.2	4451.8	4308.8	4148.0	3958.3	3796.4	3608.8	3381.9
47.5°	5555.9	5503.4	5373.0	5217.9	5117.5	4951.4	4753.4	4541.1	4362.3	4107.1	3859.9
45°	6404.6	6308.8	6162.6	6029.2	5872.2	5687.7	5435.1	5232.2	4993.2	4714.5	4356.4
42.5°	7398.9	7260.5	7070.9	6958.8	6770.2	6527.2	6246.2	5990.7	5692.5	5366.7	4955.2
40°	8604.1	8375.9	8183.4	8002.9	7787.9	7467.3	7155.8	6815.7	6459.2	6058.3	5522.8
37.5°	9988.5	9746.7	9462.6	9164.1	8886.6	8520.7	8103.7	7703.2	7274.7	6671.7	6061.1
35°	11429.9	11154.0	10803.3	10441.6	10010.2	9497.6	9067.3	8594.9	8009.9	7227.4	6559.2
32.5°	12853.3	12400.1	12020.3	11629.7	10983.8	10351.0	9887.9	9468.2	8474.5	7667.2	6996.9
30°	13882.4	13308.9	12923.9	12389.2	11578.7	11002.5	10562.2	9691.0	8766.2	7973.8	7337.7
27.5°	14107.5	13683.0	13292.3	12489.9	11791.8	11282.3	10594.2	9706.1	8865.1	8119.5	7503.6
25°	13675.0	13287.4	12812.0	12144.9	11562.2	11038.6	10316.1	9511.7	8757.0	8099.7	7408.4
22.5°	12853.9	12499.6	12066.7	11546.1	11052.0	10517.9	9881.2	9184.0	8534.8	7919.5	7250.3
20°	12069.2	11750.5	11349.2	10936.7	10511.8	10005.2	9400.8	8830.9	8302.5	7706.7	7060.3
17.5°	11452.5	11122.8	10807.9	10450.2	10014.9	9497.3	9062.5	8592.9	8070.9	7478.9	6843.4
15°	10938.4	10690.1	10390.0	10013.0	9613.5	9245.1	8831.5	8351.4	7831.2	7232.8	6641.0
12.5°	10624.5	10359.2	10031.3	9736.2	9403.5	9017.9	8591.8	8102.0	7604.7	7103.5	6572.9
10°	10373.3	10122.2	9852.0	9541.5	9190.2	8790.3	8391.6	7965.9	7502.8	7010.8	6485.7
7.5°	10212.5	9953.4	9665.4	9362.8	9025.8	8666.3	8275.4	7851.8	7384.2	6893.1	6378.3
5°	10056.2	9798.2	9521.6	9230.9	8886.4	8527.6	8140.6	7715.8	7246.4	6750.9	6249.7
2.5°	9877.5	9633.3	9366.5	9075.9	8725.8	8367.8	7986.1	7556.1	7093.6	6617.3	6103.4
0°	9676.4	9451.6	9164.3	8871.9	8542.1	8192.4	7810.1	7370.4	6918.2	6468.4	5933.8
-2.5°	9485.3	9246.0	8980.7	8690.6	8374.6	8012.5	7632.6	7207.2	6745.4	6290.8	5768.0
-5°	9252.0	9019.3	8753.0	8449.9	8131.5	7774.1	7396.6	6985.5	6531.3	6081.8	5582.3
-7.5°	8951.4	8728.0	8476.3	8174.7	7849.6	7492.6	7110.8	6700.1	6257.7	5813.1	5327.6
-10°	8590.6	8352.9	8097.1	7816.0	7511.5	7174.2	6796.5	6386.6	5960.9	5518.1	5051.2
-12.5°	8167.3	7941.3	7685.1	7410.4	7110.2	6780.3	6430.6	6039.5	5641.5	5196.6	4753.7
-15°	7716.9	7518.0	7265.7	6978.0	6671.2	6358.7	6026.8	5653.9	5286.2	4851.0	4435.3
-17.5°	7285.3	7066.4	6817.5	6552.0	6244.4	5915.7	5594.8	5253.0	4897.3	4500.8	4120.4
-20°	6801.0	6579.4	6348.7	6093.2	5800.1	5483.8	5157.0	4830.8	4496.8	4151.5	3805.8



REPORT NUMBER: P559090 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	6254.4	6060.4	5842.2	5600.6	5313.9	5017.0	4717.3	4409.2	4093.3	3796.0	3485.9
-25°	5668.2	5492.4	5277.9	5049.6	4796.3	4528.2	4265.5	3991.9	3719.9	3441.2	3166.2
-27.5°	5034.8	4871.6	4685.8	4485.7	4261.6	4043.9	3811.6	3575.8	3356.1	3110.3	2870.3
-30°	4385.5	4258.5	4099.1	3910.9	3755.0	3573.4	3362.7	3194.9	3004.6	2794.0	2598.5
-32.5°	3760.6	3658.3	3527.3	3402.1	3271.7	3126.7	2982.6	2826.9	2660.8	2510.9	2350.9
-35°	3197.0	3111.7	3040.3	2946.6	2824.6	2728.3	2617.3	2489.5	2362.5	2242.1	2113.7
-37.5°	2733.1	2657.1	2603.8	2534.1	2449.2	2359.3	2286.5	2198.7	2094.6	1998.3	1894.2
-40°	2334.9	2271.8	2233.1	2191.2	2133.2	2049.3	2003.3	1937.9	1866.2	1773.7	1689.9
-42.5°	2016.2	1986.4	1942.3	1915.9	1870.3	1813.4	1754.2	1716.6	1659.2	1587.1	1518.6
-45°	1772.7	1753.5	1715.6	1689.2	1655.7	1610.6	1550.5	1522.2	1478.9	1428.8	1363.9
-47.5°	1577.7	1563.7	1535.5	1500.9	1475.0	1436.0	1394.0	1354.1	1328.8	1285.8	1232.7
-50°	1416.0	1402.6	1377.6	1343.0	1319.3	1289.7	1256.4	1216.9	1192.8	1156.3	1112.1
-52.5°	1276.6	1259.5	1237.3	1208.7	1185.7	1165.1	1135.4	1099.1	1067.5	1042.4	1010.0
-55°	1145.1	1130.6	1115.7	1095.2	1070.1	1050.1	1022.2	990.7	964.6	942.9	915.2
-57.5°	1034.3	1021.3	1005.1	985.6	962.9	943.2	922.2	897.8	870.9	850.6	824.8
-60°	921.8	907.8	896.2	881.5	863.7	845.7	828.6	807.7	783.0	762.9	740.4
-62.5°	817.0	805.7	796.0	784.3	769.9	753.9	738.5	721.1	700.6	679.8	661.0
-65°	718.3	710.3	701.9	691.7	679.8	666.2	653.0	638.3	621.8	603.3	585.7
-67.5°	623.0	616.0	608.8	601.2	592.9	583.5	573.0	560.4	546.5	531.5	516.7
-70°	532.2	525.5	519.8	515.3	510.4	504.0	495.7	485.9	474.7	462.8	449.7
-72.5°	447.2	442.5	438.9	436.4	432.3	427.1	421.1	414.2	406.1	396.9	384.6
-75°	368.7	366.4	363.7	361.9	358.7	354.2	349.2	344.1	337.6	329.7	319.7
-77.5°	296.7	295.0	292.9	291.0	288.0	283.7	278.8	275.0	270.7	264.6	256.9
-80°	229.7	228.8	227.3	225.9	223.8	221.1	217.7	213.9	208.8	203.0	197.3
-82.5°	169.4	168.2	166.7	165.4	163.6	161.1	158.2	155.3	151.9	148.2	144.1
-85°	108.4	108.0	107.3	106.2	105.0	103.7	102.4	101.1	99.6	97.7	95.4
-87.5°	48.2	47.9	47.6	48.8	49.8	50.6	51.2	50.6	49.8	48.8	47.7
-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: P559090 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	36.3	35.4	34.2	33.0	32.2	31.3	30.0	28.5	26.1	23.5	20.9
85°	96.9	91.0	84.3	77.0	69.9	62.5	60.0	57.0	52.1	47.0	41.7
82.5°	180.9	172.1	163.0	152.8	141.6	129.8	117.3	103.9	87.5	71.8	62.5
80°	285.5	270.8	254.8	237.2	217.7	196.9	179.8	161.1	138.0	115.7	94.2
77.5°	404.6	379.8	353.0	330.0	306.2	280.5	252.7	221.5	187.9	159.1	131.3
75°	537.2	506.0	473.8	438.8	401.6	364.0	331.2	292.9	247.5	203.1	167.9
72.5°	702.3	653.9	604.0	552.7	508.1	462.1	414.9	363.2	309.8	257.6	206.8
70°	879.1	812.3	749.6	687.8	623.6	560.1	505.3	441.3	371.2	311.1	252.9
67.5°	1067.2	994.3	914.6	827.1	749.8	674.7	597.6	520.2	441.7	363.8	298.0
65°	1280.9	1188.7	1089.2	993.1	890.7	790.3	704.1	601.9	510.7	424.7	342.1
62.5°	1515.9	1395.5	1287.2	1166.5	1046.6	928.3	807.1	691.9	580.5	484.2	391.2
60°	1782.0	1650.0	1498.0	1362.8	1218.3	1073.2	929.2	779.0	657.4	542.1	441.5
57.5°	2074.8	1919.6	1757.0	1578.3	1408.6	1236.9	1051.1	878.5	731.5	605.0	489.8
55°	2380.9	2206.5	2022.8	1826.2	1616.7	1418.5	1179.3	980.3	806.5	667.2	534.7
52.5°	2723.7	2515.2	2303.2	2081.6	1850.9	1594.9	1321.6	1076.3	890.5	726.7	582.4
50°	3118.6	2857.9	2606.3	2351.6	2088.3	1780.3	1454.5	1191.1	969.4	786.6	627.8
47.5°	3569.0	3252.6	2940.8	2635.2	2343.9	1952.6	1601.0	1300.5	1042.8	850.7	670.1
45°	4035.4	3686.9	3309.3	2955.6	2551.6	2127.0	1743.6	1401.3	1131.7	906.5	709.0
42.5°	4503.7	4126.5	3721.3	3279.0	2764.8	2292.2	1873.8	1514.7	1213.5	957.7	749.9
40°	5023.8	4564.7	4132.1	3579.4	2958.6	2442.5	2007.8	1620.9	1287.1	1009.3	790.8
37.5°	5519.8	5012.1	4536.5	3808.6	3135.9	2596.2	2130.3	1716.0	1354.4	1065.1	828.0
35°	5982.7	5445.8	4740.3	3995.1	3311.9	2726.4	2238.7	1805.7	1425.9	1114.2	861.4
32.5°	6404.9	5723.8	4896.6	4140.6	3451.4	2832.7	2337.0	1885.5	1487.1	1156.6	890.9
30°	6692.8	5827.7	5003.9	4245.8	3555.5	2935.6	2417.1	1951.7	1538.0	1192.4	918.3
27.5°	6708.1	5876.0	5061.3	4311.4	3627.1	3011.1	2477.9	2004.4	1578.6	1225.6	946.8
25°	6655.5	5854.8	5069.8	4335.7	3665.0	3072.9	2524.6	2043.9	1616.0	1258.0	970.0
22.5°	6532.5	5779.4	5031.5	4319.3	3706.6	3115.6	2563.2	2077.7	1646.2	1282.3	988.0
20°	6377.1	5656.9	4967.4	4335.3	3727.6	3142.9	2592.2	2099.5	1665.8	1298.9	1001.1
17.5°	6186.8	5559.7	4956.5	4332.4	3727.6	3151.0	2605.3	2109.5	1675.0	1307.9	1009.3
15°	6099.3	5521.6	4924.0	4309.3	3707.1	3140.5	2602.9	2108.2	1674.4	1309.8	1014.9
12.5°	6029.0	5461.6	4871.3	4266.1	3666.7	3112.1	2585.7	2095.6	1664.4	1309.8	1019.2
10°	5939.9	5379.9	4798.2	4203.2	3607.4	3066.7	2554.3	2076.6	1659.4	1307.6	1019.4
7.5°	5831.5	5276.6	4705.1	4120.7	3536.1	3015.8	2522.2	2055.4	1648.9	1299.9	1015.9
5°	5705.7	5162.6	4605.1	4041.8	3481.7	2961.9	2479.6	2023.8	1631.3	1287.0	1008.8
2.5°	5569.5	5044.7	4493.2	3946.1	3413.2	2895.0	2425.6	1983.0	1607.1	1269.1	998.2
0°	5411.6	4906.9	4362.3	3832.6	3330.4	2815.7	2361.0	1933.8	1576.5	1246.7	984.4
-2.5°	5272.9	4755.5	4221.3	3709.4	3209.7	2720.8	2290.7	1884.3	1542.6	1224.7	969.9
-5°	5111.6	4584.5	4063.8	3570.4	3076.4	2616.0	2211.8	1828.3	1503.2	1198.8	952.6
-7.5°	4874.7	4375.5	3884.4	3414.3	2932.2	2502.9	2125.7	1766.7	1459.0	1169.3	932.7
-10°	4607.7	4138.8	3681.1	3237.9	2792.0	2391.3	2034.7	1700.2	1410.4	1136.5	910.3
-12.5°	4325.6	3889.5	3466.5	3053.0	2647.6	2281.2	1947.5	1635.0	1358.6	1100.8	885.7
-15°	4030.1	3629.6	3242.5	2861.7	2498.3	2165.6	1856.2	1568.4	1307.7	1064.2	859.1
-17.5°	3729.4	3361.2	3010.7	2666.2	2346.0	2045.4	1761.7	1498.5	1253.9	1027.6	832.6
-20°	3454.9	3110.5	2774.4	2468.4	2192.4	1921.7	1665.0	1425.7	1197.7	989.0	805.7



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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°	3181.3	2879.1	2575.6	2284.5	2041.7	1795.4	1567.0	1350.6	1139.7	948.7	776.8
-25°	2908.8	2649.1	2381.6	2131.7	1895.7	1678.1	1472.4	1273.7	1080.1	907.0	746.3
-27.5°	2652.1	2424.8	2186.7	1978.5	1768.0	1562.6	1381.1	1200.8	1022.4	864.1	714.1
-30°	2407.1	2210.6	2011.8	1828.7	1641.9	1462.0	1289.7	1128.0	969.8	822.7	680.4
-32.5°	2180.8	1999.2	1845.0	1689.6	1525.8	1362.2	1204.8	1055.7	916.9	781.4	649.0
-35°	1970.5	1818.6	1683.1	1555.0	1413.8	1271.6	1127.3	984.0	864.0	738.9	618.0
-37.5°	1770.2	1658.5	1542.4	1428.6	1302.4	1182.6	1054.2	924.8	811.4	695.3	586.4
-40°	1605.6	1510.2	1413.3	1308.9	1203.6	1095.7	980.8	868.7	760.1	650.7	554.2
-42.5°	1448.7	1374.7	1291.1	1192.7	1111.8	1015.3	908.6	811.6	710.6	610.6	521.6
-45°	1309.1	1246.2	1175.1	1101.2	1023.8	935.7	844.8	754.1	661.0	572.9	490.0
-47.5°	1177.6	1130.9	1073.0	1011.3	939.8	859.3	780.5	699.2	611.3	535.1	459.8
-50°	1066.8	1026.5	979.9	924.0	857.4	789.2	717.3	644.6	569.6	497.9	428.9
-52.5°	970.6	932.0	890.4	839.0	782.3	719.0	658.9	590.9	527.1	461.9	397.5
-55°	880.2	842.5	804.4	760.4	709.5	656.7	601.3	543.4	484.0	426.0	366.1
-57.5°	794.9	758.2	725.4	685.9	643.2	597.2	547.2	495.3	442.7	389.5	338.1
-60°	712.9	683.0	650.7	618.2	581.0	539.1	494.4	447.8	401.6	353.5	309.8
-62.5°	637.6	610.6	583.8	554.3	520.1	482.4	442.0	402.5	360.1	321.1	281.0
-65°	566.7	544.5	519.1	491.2	460.0	427.0	392.9	356.8	322.6	288.2	252.1
-67.5°	499.2	478.6	453.9	428.2	403.4	375.7	344.0	315.0	286.0	255.1	223.6
-70°	433.2	413.2	392.6	373.0	350.7	325.4	300.1	274.8	249.0	223.3	195.0
-72.5°	369.6	353.9	337.4	319.5	300.3	279.4	257.0	235.0	214.5	191.5	166.1
-75°	307.7	295.7	282.9	268.4	251.5	233.5	216.1	198.3	180.0	159.6	140.5
-77.5°	248.3	238.9	228.8	218.3	205.4	191.5	176.9	161.5	146.7	131.9	116.0
-80°	192.2	186.2	179.4	171.3	160.7	149.5	138.9	128.1	116.7	104.4	91.4
-82.5°	140.2	136.0	131.3	125.6	118.5	111.1	103.4	95.5	86.5	76.9	67.5
-85°	92.7	89.4	85.6	81.4	77.0	72.5	68.1	63.3	57.3	51.2	45.1
-87.5°	46.0	44.2	42.2	40.1	38.3	36.2	34.1	31.7	28.7	25.6	22.5
-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°	18.1	15.3	12.4	9.4	6.3	3.1	0.0
85°	36.2	30.5	24.7	18.7	12.6	6.2	0.0
82.5°	54.2	45.8	37.0	28.1	18.9	9.3	0.0
80°	73.8	60.9	49.3	37.4	25.1	12.4	0.0
77.5°	104.7	79.4	61.4	46.6	31.3	15.4	0.0
75°	135.3	104.1	74.8	55.7	37.4	18.4	0.0
72.5°	165.4	128.4	93.6	64.7	43.5	21.4	0.0
70°	196.0	152.3	112.2	74.5	49.4	24.3	0.0
67.5°	233.5	175.7	130.3	87.7	55.3	27.2	0.0
65°	270.0	201.6	148.0	100.7	61.0	30.1	0.0
62.5°	305.2	229.9	165.3	113.3	66.6	32.8	0.0
60°	339.1	257.3	182.1	125.5	72.1	35.5	0.0
57.5°	377.5	283.5	202.2	137.4	79.8	38.2	0.0
55°	414.8	308.6	221.7	148.9	87.3	40.7	0.0
52.5°	450.1	333.3	240.4	160.0	94.6	43.2	0.0
50°	483.3	360.3	258.2	170.6	101.6	45.6	0.0
47.5°	514.9	385.7	275.0	181.3	108.4	47.9	0.0
45°	547.9	409.4	290.8	193.1	114.8	50.1	0.0
42.5°	578.4	431.4	305.6	204.2	121.0	52.2	0.0
40°	606.2	451.5	320.7	214.8	126.9	54.2	0.0
37.5°	631.2	469.9	335.7	224.8	132.4	56.1	0.0
35°	653.5	488.2	349.4	234.2	137.6	57.9	0.0
32.5°	675.0	505.3	361.8	243.0	142.5	59.6	0.0
30°	698.0	520.4	372.8	251.0	147.1	61.2	0.0
27.5°	717.9	533.4	383.3	258.4	151.3	62.6	0.0
25°	734.7	544.3	392.6	265.0	155.1	63.9	0.0
22.5°	748.4	553.8	400.5	271.0	158.5	65.1	0.0
20°	759.1	563.3	407.2	276.2	161.6	66.2	0.0
17.5°	768.7	571.1	412.5	280.8	164.3	67.1	0.0
15°	776.4	577.2	416.7	284.6	166.7	67.9	0.0
12.5°	781.2	581.7	419.6	287.6	168.6	68.6	0.0
10°	783.1	584.5	421.3	290.0	170.1	69.1	0.0
7.5°	782.2	585.7	421.9	291.6	171.3	69.6	0.0
5°	778.7	585.3	421.4	292.6	172.1	69.8	0.0
2.5°	772.8	583.2	419.8	292.8	172.4	70.0	0.0
0°	764.5	579.6	417.2	292.3	172.4	70.0	0.0
-2.5°	755.7	574.1	415.2	291.0	172.0	70.1	0.0
-5°	744.9	567.2	412.2	289.0	171.2	70.1	0.0
-7.5°	732.1	558.8	408.3	286.3	170.0	69.9	0.0
-10°	717.4	549.2	403.4	283.0	168.5	69.6	0.0
-12.5°	701.0	538.4	397.7	279.1	166.6	69.1	0.0
-15°	682.8	526.5	391.0	274.5	164.3	68.6	0.0
-17.5°	663.1	513.6	383.5	269.4	161.7	67.8	0.0
-20°	642.6	499.7	375.1	263.7	158.8	67.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	622.1	485.1	365.9	257.5	155.6	66.0	0.0
-25°	600.4	470.5	355.9	250.7	152.0	64.9	0.0
-27.5°	577.5	455.2	345.0	243.4	148.2	63.6	0.0
-30°	553.7	439.0	333.5	235.6	144.1	62.2	0.0
-32.5°	528.9	421.8	321.5	227.4	139.7	60.7	0.0
-35°	505.7	403.8	309.0	218.7	135.0	59.1	0.0
-37.5°	482.8	385.7	295.8	209.6	130.1	57.3	0.0
-40°	459.1	368.3	282.0	200.1	125.0	55.5	0.0
-42.5°	434.5	350.3	268.3	190.3	119.6	53.5	0.0
-45°	409.2	331.7	254.8	180.1	114.0	51.4	0.0
-47.5°	383.3	312.6	240.7	169.6	108.2	49.2	0.0
-50°	359.5	293.1	226.2	160.1	102.2	46.8	0.0
-52.5°	335.8	273.1	211.2	150.9	96.0	44.4	0.0
-55°	311.7	253.7	195.8	141.3	89.6	41.9	0.0
-57.5°	287.2	234.2	180.0	131.5	83.1	39.3	0.0
-60°	262.5	214.2	164.0	121.4	76.4	36.6	0.0
-62.5°	238.4	193.8	150.4	111.1	70.7	33.9	0.0
-65°	213.8	173.1	136.5	100.6	64.8	31.0	0.0
-67.5°	189.0	153.8	122.4	89.9	58.8	28.1	0.0
-70°	163.8	136.2	108.1	79.1	52.6	25.1	0.0
-72.5°	142.1	118.3	93.6	69.2	46.3	22.1	0.0
-75°	120.8	100.3	79.0	59.6	39.9	19.0	0.0
-77.5°	99.3	82.1	65.7	49.8	33.4	15.9	0.0
-80°	77.6	65.2	52.7	40.0	26.8	12.8	0.0
-82.5°	58.1	49.0	39.6	30.0	20.2	9.6	0.0
-85°	38.8	32.7	26.5	20.0	13.5	6.4	0.0
-87.5°	19.4	16.4	13.2	10.0	6.8	3.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)