

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: P559002 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-940-U-WAF-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559002 (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-SA4E-940-U-WAF-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7  
Light Source: (64) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

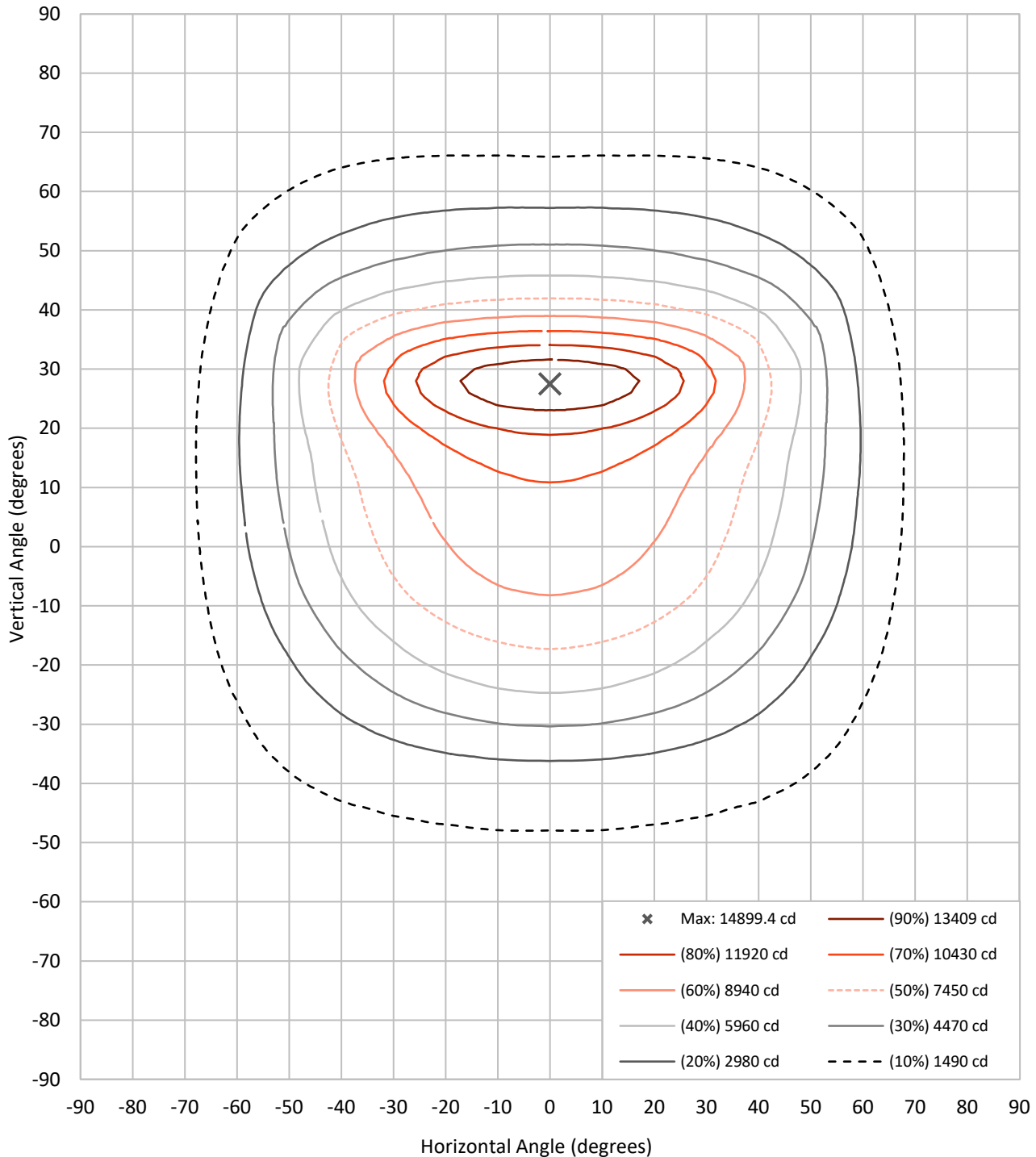
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	21720.8 lumens	Max Intensity:	14899.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	86.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	11265.5 lumens	Field Lumens:	20093.6 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%

Input Watts (W): 250  
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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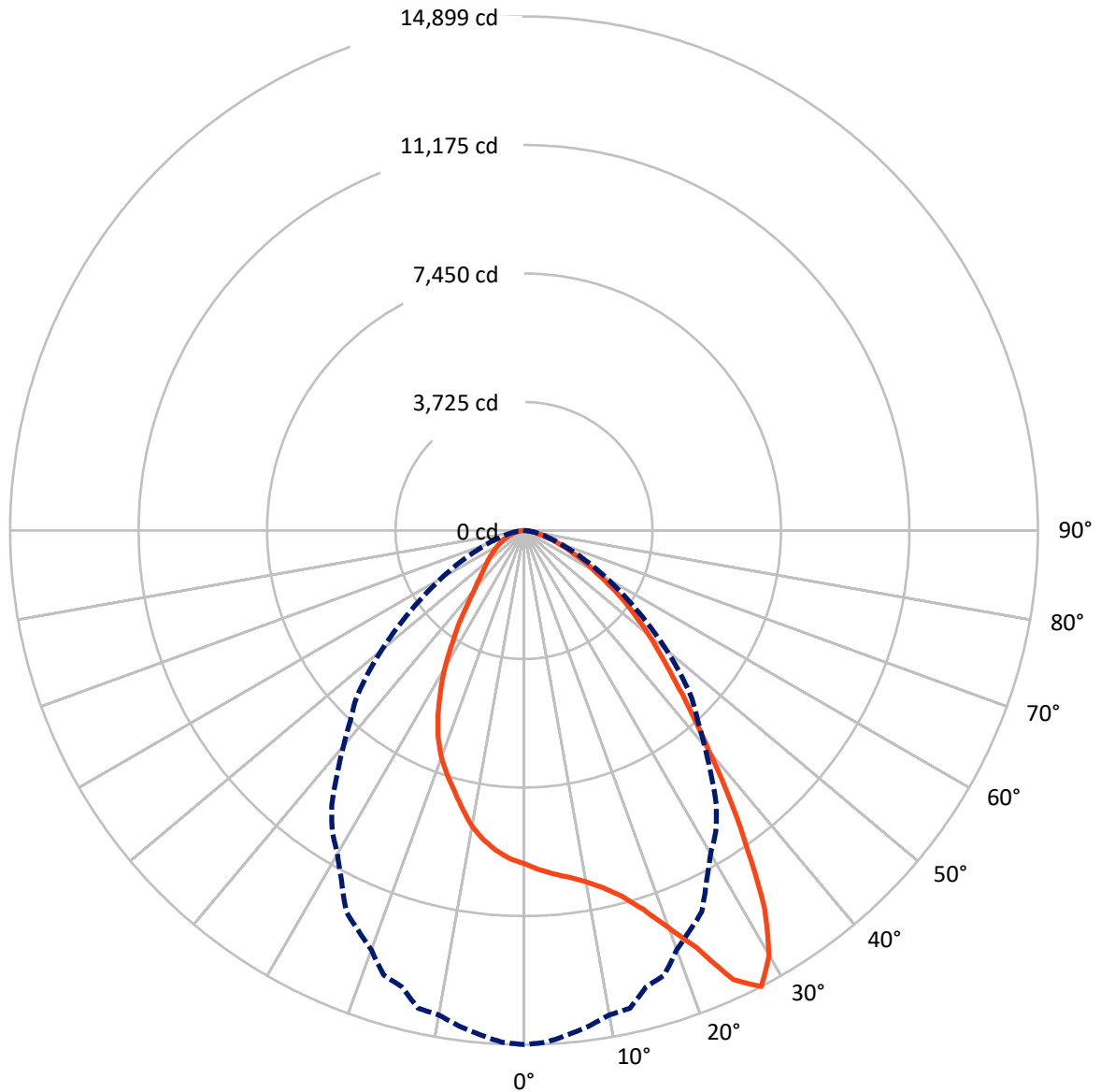
### Iso-Candela Plot





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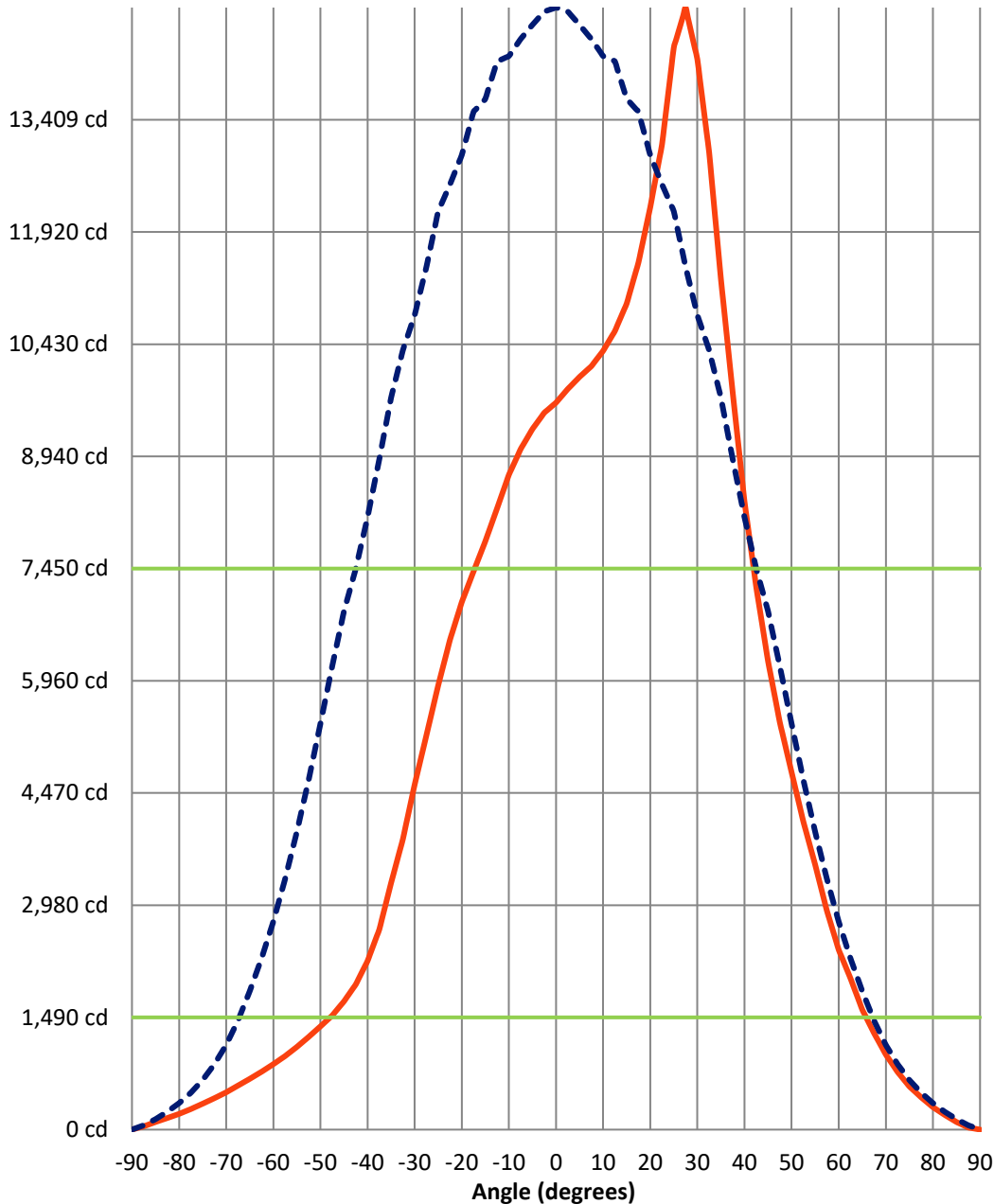
### Luminous Intensity Polar Plot



— 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: 11265.5  
 Efficiency: 51.9%

**Field:**  
 H Angle: 134.5°  
 V Angle: 113.8°  
 Lumens: 20093.6  
 Efficiency: 92.5%

**Spill:**  
 Lumens: 1627.2  
 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	2.8	5.8	8.6	11.3	14.0	16.6	19.1	21.6	23.9	26.2
85°	0.0	5.7	11.6	17.2	22.7	28.0	33.2	38.2	43.1	47.8	52.3
82.5°	0.0	8.5	17.3	25.7	34.0	42.0	49.7	57.3	65.9	80.3	95.2
80°	0.0	11.3	23.1	34.3	45.2	55.8	67.7	86.4	106.1	126.6	147.8
77.5°	0.0	14.1	28.7	42.7	56.3	72.8	96.1	120.5	145.9	172.4	203.2
75°	0.0	16.9	34.3	51.1	68.6	95.5	124.1	154.1	186.3	227.0	268.7
72.5°	0.0	19.6	39.9	59.4	85.9	117.8	151.7	189.7	236.3	284.1	333.2
70°	0.0	22.3	45.3	68.4	102.9	139.7	179.8	232.0	285.4	340.5	404.8
67.5°	0.0	25.0	50.7	80.5	119.5	161.1	214.2	273.4	333.7	405.2	477.2
65°	0.0	27.6	56.0	92.3	135.8	185.0	247.7	313.8	389.6	468.5	552.1
62.5°	0.0	30.1	61.1	103.9	151.6	210.9	280.0	358.8	444.1	532.5	634.7
60°	0.0	32.6	66.1	115.1	167.0	236.0	311.1	405.0	497.2	603.0	714.5
57.5°	0.0	35.0	73.2	126.1	185.5	260.1	346.3	449.3	554.9	671.0	805.8
55°	0.0	37.4	80.1	136.6	203.4	283.1	380.5	490.5	612.0	739.8	899.2
52.5°	0.0	39.6	86.8	146.7	220.5	305.7	412.8	534.2	666.6	816.9	987.3
50°	0.0	41.8	93.2	156.5	236.8	330.5	443.3	575.9	721.6	889.2	1092.6
47.5°	0.0	43.9	99.4	166.2	252.2	353.8	472.3	614.6	780.4	956.6	1193.0
45°	0.0	46.0	105.3	177.1	266.8	375.5	502.6	650.4	831.5	1038.1	1285.5
42.5°	0.0	47.9	111.0	187.3	280.4	395.7	530.5	687.9	878.5	1113.1	1389.4
40°	0.0	49.7	116.4	197.0	294.1	414.2	556.0	725.5	925.8	1180.7	1486.9
37.5°	0.0	51.5	121.4	206.2	307.9	431.0	579.0	759.6	977.0	1242.4	1574.2
35°	0.0	53.1	126.2	214.9	320.5	447.8	599.5	790.2	1022.1	1308.0	1656.4
32.5°	0.0	54.7	130.7	222.9	331.9	463.5	619.2	817.2	1061.0	1364.2	1729.6
30°	0.0	56.1	134.9	230.2	342.0	477.4	640.3	842.4	1093.8	1410.9	1790.4
27.5°	0.0	57.4	138.7	237.0	351.6	489.3	658.6	868.5	1124.3	1448.1	1838.6
25°	0.0	58.6	142.2	243.1	360.1	499.3	674.0	889.8	1154.0	1482.4	1874.9
22.5°	0.0	59.7	145.4	248.6	367.4	508.0	686.6	906.4	1176.3	1510.1	1905.9
20°	0.0	60.7	148.2	253.4	373.5	516.7	696.3	918.3	1191.5	1528.0	1925.9
17.5°	0.0	61.6	150.7	257.5	378.4	523.9	705.1	925.8	1199.8	1536.5	1935.1
15°	0.0	62.3	152.8	261.0	382.2	529.5	712.2	931.1	1201.5	1536.0	1933.9
12.5°	0.0	62.9	154.6	263.8	384.9	533.6	716.6	934.9	1201.5	1526.7	1922.4
10°	0.0	63.4	156.0	266.0	386.5	536.2	718.3	935.2	1199.5	1522.2	1905.0
7.5°	0.0	63.8	157.1	267.5	387.0	537.3	717.5	931.9	1192.5	1512.5	1885.5
5°	0.0	64.1	157.8	268.3	386.5	536.9	714.3	925.4	1180.6	1496.5	1856.5
2.5°	0.0	64.2	158.1	268.5	385.1	535.0	708.9	915.7	1164.2	1474.2	1819.0
0°	0.0	64.2	158.1	268.1	382.7	531.7	701.3	903.0	1143.6	1446.2	1773.9
-2.5°	0.0	64.3	157.7	266.9	380.8	526.7	693.3	889.7	1123.4	1415.1	1728.5
-5°	0.0	64.3	157.0	265.0	378.1	520.3	683.3	873.9	1099.6	1379.0	1677.1
-7.5°	0.0	64.1	155.9	262.6	374.5	512.7	671.6	855.6	1072.6	1338.4	1620.6
-10°	0.0	63.8	154.5	259.6	370.1	503.8	658.1	835.1	1042.5	1293.8	1559.7
-12.5°	0.0	63.4	152.8	256.0	364.8	493.9	643.0	812.5	1009.8	1246.3	1499.8
-15°	0.0	62.9	150.7	251.8	358.7	483.0	626.3	788.1	976.2	1199.6	1438.8
-17.5°	0.0	62.2	148.3	247.1	351.8	471.1	608.2	763.8	942.6	1150.2	1374.6
-20°	0.0	61.4	145.7	241.9	344.1	458.5	589.5	739.1	907.3	1098.7	1307.8



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 CATALOG NUMBER: GFLD-SA4E-940-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	60.5	142.7	236.2	335.7	445.0	570.7	712.6	870.3	1045.5	1238.9
-25°	0.0	59.5	139.5	230.0	326.5	431.6	550.7	684.6	832.0	990.8	1168.4
-27.5°	0.0	58.3	135.9	223.3	316.5	417.6	529.8	655.1	792.7	937.9	1101.5
-30°	0.0	57.1	132.2	216.2	305.9	402.7	507.9	624.2	754.7	889.6	1034.8
-32.5°	0.0	55.7	128.1	208.6	295.0	387.0	485.2	595.4	716.8	841.1	968.4
-35°	0.0	54.2	123.8	200.7	283.4	370.5	463.9	566.9	677.8	792.6	902.7
-37.5°	0.0	52.6	119.3	192.3	271.3	353.8	442.9	537.9	637.8	744.3	848.3
-40°	0.0	50.8	114.6	183.6	258.7	337.8	421.1	508.4	596.9	697.3	796.9
-42.5°	0.0	49.0	109.7	174.6	246.2	321.3	398.6	478.5	560.1	651.8	744.5
-45°	0.0	47.1	104.5	165.3	233.7	304.3	375.4	449.5	525.5	606.3	691.8
-47.5°	0.0	45.1	99.2	155.6	220.8	286.8	351.6	421.7	490.9	560.8	641.4
-50°	0.0	42.9	93.7	146.9	207.5	268.9	329.8	393.5	456.8	522.5	591.3
-52.5°	0.0	40.7	88.0	138.4	193.7	250.5	308.0	364.7	423.7	483.6	542.1
-55°	0.0	38.4	82.1	129.6	179.6	232.8	285.9	335.8	390.7	443.9	498.5
-57.5°	0.0	36.0	76.2	120.6	165.1	214.8	263.5	310.1	357.2	406.1	454.3
-60°	0.0	33.6	70.0	111.4	150.4	196.5	240.8	284.1	324.2	368.4	410.8
-62.5°	0.0	31.0	64.8	101.9	138.0	177.8	218.7	257.8	294.5	330.3	369.2
-65°	0.0	28.4	59.4	92.3	125.2	158.8	196.2	231.3	264.4	295.9	327.3
-67.5°	0.0	25.8	53.9	82.4	112.3	141.1	173.4	205.1	234.0	262.3	289.0
-70°	0.0	23.0	48.2	72.5	99.2	125.0	150.3	178.8	204.9	228.5	252.1
-72.5°	0.0	20.3	42.5	63.5	85.9	108.6	130.4	152.4	175.7	196.8	215.6
-75°	0.0	17.5	36.6	54.6	72.4	92.0	110.8	128.9	146.4	165.2	181.9
-77.5°	0.0	14.6	30.6	45.6	60.3	75.3	91.1	106.5	121.0	134.6	148.2
-80°	0.0	11.7	24.6	36.6	48.3	59.8	71.2	83.9	95.8	107.0	117.5
-82.5°	0.0	8.8	18.5	27.5	36.3	44.9	53.3	61.9	70.6	79.4	87.6
-85°	0.0	5.9	12.4	18.4	24.2	30.0	35.6	41.3	47.0	52.6	58.1
-87.5°	0.0	2.9	6.2	9.2	12.1	15.0	17.8	20.7	23.5	26.3	29.1
-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: P559002 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-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°	27.5	28.7	29.6	30.2	31.4	32.4	33.3	34.0	34.6	35.1	35.4
85°	55.1	57.3	64.1	70.6	77.3	83.4	88.9	93.7	97.6	100.7	103.2
82.5°	107.5	119.0	129.9	140.2	149.5	157.9	165.9	175.1	182.5	188.8	193.8
80°	164.9	180.6	199.7	217.6	233.7	248.4	261.8	273.9	283.4	292.9	302.1
77.5°	231.8	257.3	280.9	302.7	323.8	348.4	371.1	392.0	408.1	420.2	429.6
75°	303.8	333.9	368.4	402.5	434.6	464.1	492.8	527.7	556.2	577.6	594.7
72.5°	380.6	423.9	466.1	506.9	554.0	599.8	644.2	687.2	724.9	752.6	775.0
70°	463.5	513.8	572.1	631.0	687.6	745.1	806.4	862.1	908.3	941.0	972.0
67.5°	548.2	618.9	687.8	758.7	839.0	912.1	979.0	1049.6	1111.8	1152.7	1188.5
65°	645.9	725.0	817.0	911.0	999.1	1090.4	1175.0	1251.6	1330.1	1387.1	1433.9
62.5°	740.3	851.5	960.1	1070.0	1180.8	1280.1	1390.5	1489.0	1567.9	1649.5	1719.5
60°	852.4	984.5	1117.6	1250.1	1374.1	1513.6	1634.7	1749.1	1854.6	1945.6	2031.7
57.5°	964.2	1134.7	1292.2	1447.8	1611.8	1761.0	1903.3	2031.4	2157.6	2263.0	2366.2
55°	1081.8	1301.2	1483.0	1675.2	1855.6	2024.1	2184.0	2344.6	2479.1	2624.2	2750.5
52.5°	1212.3	1463.0	1697.9	1909.5	2112.8	2307.2	2498.5	2691.8	2880.6	3031.0	3173.7
50°	1334.3	1633.1	1915.7	2157.2	2390.8	2621.6	2860.7	3102.3	3310.4	3482.5	3631.0
47.5°	1468.6	1791.2	2150.1	2417.3	2697.7	2983.7	3273.9	3540.8	3767.5	4001.6	4165.6
45°	1599.5	1951.1	2340.6	2711.2	3035.7	3382.1	3701.8	3996.2	4324.7	4580.4	4799.6
42.5°	1718.9	2102.7	2536.2	3007.9	3413.6	3785.4	4131.4	4545.6	4923.0	5221.8	5495.3
40°	1841.8	2240.5	2714.0	3283.5	3790.5	4187.3	4608.4	5066.2	5557.4	5925.2	6252.1
37.5°	1954.2	2381.6	2876.7	3493.8	4161.5	4597.8	5063.4	5560.0	6120.1	6673.2	7066.3
35°	2053.6	2501.0	3038.1	3664.9	4348.5	4995.6	5488.1	6016.9	6629.9	7347.6	7884.3
32.5°	2143.8	2598.5	3166.1	3798.3	4491.8	5250.5	5875.4	6418.4	7033.3	7773.9	8685.3
30°	2217.3	2692.9	3261.5	3894.7	4590.2	5345.9	6139.5	6731.0	7314.6	8041.4	8889.7
27.5°	2273.1	2762.2	3327.2	3954.9	4642.9	5390.2	6153.4	6883.2	7448.2	8132.1	8903.6
25°	2315.9	2818.9	3362.0	3977.3	4650.6	5370.7	6105.2	6795.9	7430.1	8033.0	8725.3
22.5°	2351.3	2858.0	3400.1	3962.2	4615.5	5301.5	5992.4	6650.8	7264.7	7829.2	8424.7
20°	2377.9	2883.0	3419.4	3976.9	4556.7	5189.2	5849.9	6476.6	7069.5	7616.1	8100.8
17.5°	2389.9	2890.4	3419.4	3974.2	4546.7	5100.0	5675.3	6277.6	6860.6	7403.6	7882.4
15°	2387.7	2880.8	3400.6	3953.0	4516.9	5065.1	5595.0	6091.9	6634.8	7183.8	7660.8
12.5°	2371.9	2854.7	3363.6	3913.4	4468.5	5010.1	5530.5	6029.4	6516.2	6975.9	7432.1
10°	2343.1	2813.1	3309.1	3855.7	4401.5	4935.1	5448.8	5949.4	6431.1	6882.5	7307.2
7.5°	2313.6	2766.4	3243.7	3780.0	4316.1	4840.3	5349.4	5850.9	6323.2	6773.7	7202.6
5°	2274.5	2717.0	3193.9	3707.6	4224.3	4735.8	5233.9	5732.9	6192.7	6647.3	7077.9
2.5°	2225.0	2655.6	3131.0	3619.8	4121.7	4627.6	5109.0	5598.8	6070.2	6507.1	6931.3
0°	2165.8	2582.9	3055.1	3515.7	4001.6	4501.2	4964.2	5443.2	5933.6	6346.2	6761.0
-2.5°	2101.3	2495.8	2944.4	3402.7	3872.3	4362.3	4837.0	5291.1	5770.7	6187.7	6611.4
-5°	2028.9	2399.7	2822.1	3275.2	3727.8	4205.4	4689.0	5120.8	5579.0	5991.4	6408.0
-7.5°	1949.9	2295.9	2689.8	3132.0	3563.2	4013.7	4471.6	4887.1	5332.5	5740.4	6146.2
-10°	1866.4	2193.6	2561.2	2970.2	3376.7	3796.6	4226.8	4633.5	5061.8	5468.1	5858.6
-12.5°	1786.5	2092.6	2428.7	2800.6	3179.9	3567.9	3967.9	4360.6	4766.9	5175.1	5540.2
-15°	1702.7	1986.5	2291.7	2625.1	2974.4	3329.5	3696.9	4068.6	4449.9	4849.2	5186.4
-17.5°	1616.1	1876.3	2152.1	2445.8	2761.8	3083.3	3421.0	3779.7	4128.7	4492.4	4818.6
-20°	1527.4	1762.9	2011.2	2264.3	2545.0	2853.3	3169.2	3491.1	3808.3	4125.0	4431.3



REPORT NUMBER: P559002 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-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°	1437.5	1647.0	1872.9	2095.6	2362.7	2641.0	2918.2	3197.7	3482.1	3754.8	4044.6
-25°	1350.7	1539.4	1739.0	1955.4	2184.6	2430.0	2668.3	2904.4	3156.7	3412.4	3661.8
-27.5°	1266.9	1433.4	1621.9	1815.0	2005.9	2224.3	2432.7	2633.0	2853.2	3078.6	3280.2
-30°	1183.0	1341.2	1506.1	1677.5	1845.5	2027.8	2208.0	2383.6	2563.0	2756.1	2930.7
-32.5°	1105.2	1249.6	1399.7	1549.9	1692.4	1833.9	2000.5	2156.4	2303.2	2440.8	2593.1
-35°	1034.1	1166.4	1297.0	1426.4	1543.9	1668.2	1807.6	1938.9	2056.7	2167.2	2283.7
-37.5°	967.0	1084.8	1194.7	1310.5	1414.9	1521.4	1623.9	1737.6	1833.1	1921.4	2016.9
-40°	899.7	1005.1	1104.1	1200.7	1296.4	1385.3	1472.8	1550.2	1627.1	1711.9	1777.6
-42.5°	833.5	931.3	1019.9	1094.1	1184.3	1261.0	1328.9	1393.0	1455.9	1522.1	1574.7
-45°	775.0	858.3	939.2	1010.2	1077.9	1143.2	1200.9	1251.2	1310.7	1356.6	1396.4
-47.5°	716.0	788.2	862.1	927.7	984.2	1037.3	1080.3	1130.8	1179.5	1219.0	1242.2
-50°	657.9	723.9	786.5	847.6	898.9	941.6	978.6	1020.2	1060.7	1094.2	1116.3
-52.5°	604.4	659.5	717.5	769.6	816.8	855.0	890.3	926.5	956.2	979.2	1008.2
-55°	551.5	602.4	650.8	697.5	737.9	772.9	807.4	839.6	865.0	884.9	908.8
-57.5°	501.9	547.8	590.0	629.2	665.5	695.6	729.2	756.6	780.3	798.9	823.6
-60°	453.5	494.5	533.0	567.1	597.0	626.6	654.0	679.2	699.8	718.2	740.9
-62.5°	405.5	442.5	477.1	508.5	535.6	560.2	584.9	606.4	623.6	642.7	661.5
-65°	360.4	391.7	422.0	450.6	476.1	499.5	519.9	537.3	553.4	570.4	585.6
-67.5°	315.5	344.7	370.1	392.8	416.4	439.0	457.9	473.9	487.5	501.3	514.0
-70°	275.3	298.5	321.7	342.2	360.2	379.0	397.4	412.5	424.5	435.4	445.8
-72.5°	235.7	256.3	275.5	293.2	309.5	324.6	339.1	352.7	364.0	372.5	379.9
-75°	198.2	214.2	230.7	246.2	259.5	271.3	282.3	293.3	302.4	309.7	315.6
-77.5°	162.3	175.7	188.4	200.3	209.9	219.2	227.8	235.7	242.7	248.3	252.3
-80°	127.4	137.1	147.4	157.1	164.6	170.8	176.3	181.0	186.2	191.6	196.2
-82.5°	94.9	101.9	108.7	115.2	120.4	124.8	128.6	132.2	136.0	139.4	142.5
-85°	62.5	66.5	70.6	74.6	78.6	82.0	85.0	87.6	89.6	91.3	92.8
-87.5°	31.2	33.2	35.1	36.8	38.7	40.5	42.2	43.8	44.8	45.7	46.4
-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: P559002 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-U-WAF-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°	35.6	35.7	35.7	35.6	35.4	33.9	32.3	30.6	28.8	29.7	30.5
85°	105.0	105.5	105.1	104.1	102.4	102.3	102.0	101.3	100.3	101.8	103.1
82.5°	197.8	199.2	199.4	198.5	196.5	197.3	197.7	197.3	196.2	197.6	198.4
80°	309.1	312.0	312.1	310.0	305.8	306.4	306.7	305.9	303.8	304.3	304.2
77.5°	440.3	447.1	449.5	448.5	444.3	443.0	440.0	434.0	425.2	425.0	425.2
75°	607.6	614.6	618.2	617.9	613.9	611.2	607.4	600.5	590.7	590.3	590.3
72.5°	792.3	802.5	807.1	811.2	811.2	809.7	804.7	794.5	779.3	777.5	779.3
70°	996.3	1013.5	1024.4	1032.7	1039.3	1040.7	1037.5	1029.2	1015.9	1012.4	1011.4
67.5°	1223.5	1250.9	1271.7	1285.5	1298.6	1307.9	1311.5	1307.8	1297.0	1293.4	1294.9
65°	1478.1	1520.5	1555.4	1581.6	1599.2	1611.7	1622.5	1628.9	1630.5	1634.3	1639.3
62.5°	1775.6	1827.6	1876.3	1909.4	1926.5	1938.5	1973.4	1993.5	1999.3	2000.6	2008.3
60°	2107.8	2173.5	2234.2	2282.9	2322.3	2352.1	2381.8	2401.5	2408.8	2410.3	2420.9
57.5°	2471.0	2553.5	2624.6	2700.1	2752.7	2783.2	2822.9	2863.8	2885.2	2891.3	2916.5
55°	2872.8	2985.4	3077.5	3158.3	3231.8	3296.5	3351.1	3393.3	3424.5	3443.3	3476.6
52.5°	3317.1	3449.5	3545.9	3640.6	3746.0	3820.3	3869.0	3947.0	4003.5	4034.5	4074.3
50°	3805.0	3952.5	4083.8	4183.1	4305.8	4407.2	4481.2	4555.1	4606.8	4636.4	4674.9
47.5°	4360.3	4542.0	4694.3	4786.5	4928.8	5048.4	5096.6	5152.4	5249.8	5296.6	5337.8
45°	4985.7	5217.4	5386.6	5530.8	5653.1	5787.2	5875.1	5938.5	6034.5	6082.6	6113.0
42.5°	5729.7	5987.5	6210.4	6383.5	6486.3	6660.2	6787.2	6822.9	6958.8	7051.0	7078.1
40°	6564.2	6849.9	7144.0	7341.2	7506.8	7683.4	7892.8	8009.3	8124.3	8214.7	8235.1
37.5°	7433.6	7816.2	8151.8	8406.5	8680.3	8940.8	9162.7	9283.6	9359.1	9532.0	9596.6
35°	8317.6	8712.4	9182.6	9578.3	9910.1	10231.8	10484.9	10684.2	10874.0	11029.6	11122.9
32.5°	9070.4	9495.2	10075.7	10668.2	11026.4	11374.8	11790.5	12018.6	12271.8	12476.9	12626.7
30°	9689.0	10092.8	10621.3	11364.9	11855.4	12208.5	12734.6	13049.9	13325.6	13673.3	13794.3
27.5°	9718.3	10349.5	10816.9	11457.2	12193.3	12551.7	12941.1	13514.1	13687.9	14183.7	14255.2
25°	9463.2	10125.9	10606.2	11140.7	11752.7	12188.8	12544.4	13020.9	13270.3	13589.2	13834.1
22.5°	9064.2	9648.3	10138.2	10591.5	11069.1	11466.1	11791.1	12126.1	12399.9	12647.3	12877.1
20°	8623.5	9178.0	9642.7	10032.4	10410.9	10778.9	11071.3	11352.6	11589.4	11801.8	11932.6
17.5°	8313.2	8712.1	9186.9	9586.2	9914.3	10203.2	10505.6	10741.1	10948.8	11139.9	11259.4
15°	8101.4	8480.7	8818.7	9185.1	9530.9	9806.3	10034.0	10276.9	10456.5	10621.0	10750.6
12.5°	7881.4	8272.3	8626.1	8931.2	9201.9	9502.7	9746.1	9937.1	10125.5	10254.7	10387.8
10°	7697.7	8063.5	8430.4	8752.7	9037.4	9285.3	9515.8	9730.1	9899.1	10044.0	10148.8
7.5°	7591.2	7949.8	8279.6	8588.8	8866.3	9130.4	9368.1	9564.6	9732.1	9882.1	9991.9
5°	7467.5	7822.5	8151.8	8467.7	8734.3	8988.1	9224.8	9426.9	9600.4	9734.0	9839.0
2.5°	7325.8	7676.0	8004.4	8325.6	8592.1	8836.8	9060.9	9258.0	9438.7	9566.0	9655.5
0°	7164.4	7515.0	7835.9	8138.4	8406.6	8670.1	8876.4	9075.8	9252.3	9378.3	9467.7
-2.5°	7001.5	7350.0	7682.2	7972.0	8238.2	8481.5	8701.1	8889.4	9057.9	9183.4	9261.9
-5°	6785.0	7131.3	7459.1	7751.3	8029.3	8273.6	8487.0	8678.5	8840.9	8977.7	9084.1
-7.5°	6522.9	6873.1	7200.6	7498.8	7775.5	8006.3	8211.3	8404.3	8577.6	8727.1	8858.0
-10°	6234.6	6581.1	6890.4	7169.7	7427.6	7662.3	7880.4	8071.0	8229.8	8376.2	8486.5
-12.5°	5898.9	6219.7	6522.3	6797.7	7049.7	7284.7	7492.1	7673.7	7833.6	7963.3	8062.7
-15°	5528.5	5833.0	6119.7	6401.1	6665.0	6896.4	7078.8	7270.2	7408.8	7534.7	7624.2
-17.5°	5132.2	5426.6	5728.1	6010.2	6253.8	6482.1	6682.9	6857.8	7003.2	7118.7	7219.6
-20°	4730.6	5030.4	5320.6	5589.4	5823.7	6035.4	6238.7	6406.6	6555.7	6681.3	6799.7



REPORT NUMBER: P559002 (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°	4327.2	4602.2	4874.5	5137.6	5359.2	5559.3	5737.3	5897.9	6029.5	6177.6	6282.2
-25°	3912.8	4153.8	4399.8	4632.1	4841.6	5038.3	5199.6	5340.5	5477.6	5620.6	5722.5
-27.5°	3496.4	3709.5	3909.3	4114.9	4298.4	4468.8	4618.5	4741.8	4874.9	4970.4	5082.4
-30°	3084.7	3277.9	3444.6	3587.6	3760.2	3906.4	4022.9	4145.4	4255.4	4346.6	4441.0
-32.5°	2736.0	2868.1	3001.2	3120.8	3235.6	3355.8	3449.7	3556.6	3632.0	3710.6	3786.9
-35°	2400.9	2502.7	2591.1	2702.9	2789.0	2854.4	2932.7	3011.1	3041.3	3126.7	3172.3
-37.5°	2097.4	2164.2	2246.7	2324.6	2388.5	2437.4	2507.1	2548.2	2569.8	2625.1	2654.7
-40°	1837.7	1879.9	1956.8	2010.1	2048.5	2084.0	2141.9	2168.6	2198.2	2225.6	2226.4
-42.5°	1609.2	1663.5	1715.7	1757.5	1781.7	1822.2	1849.5	1852.5	1890.8	1915.2	1919.0
-45°	1422.4	1477.5	1518.8	1549.6	1573.7	1608.6	1626.1	1635.9	1667.2	1683.8	1691.1
-47.5°	1278.8	1317.4	1353.1	1376.8	1408.6	1434.4	1447.2	1463.7	1487.6	1502.8	1513.7
-50°	1152.6	1183.1	1210.3	1232.0	1263.7	1286.6	1298.9	1319.1	1337.0	1348.0	1356.6
-52.5°	1041.6	1068.8	1087.7	1108.8	1135.1	1155.4	1171.1	1191.1	1205.9	1215.6	1223.2
-55°	937.6	963.3	981.7	1004.7	1023.5	1037.1	1050.5	1070.0	1084.6	1094.5	1101.0
-57.5°	846.0	865.2	883.3	904.2	922.0	936.9	948.8	959.6	969.2	977.3	983.6
-60°	760.1	775.8	792.3	808.6	822.1	832.8	845.6	855.5	861.6	865.5	870.7
-62.5°	677.5	691.6	706.2	719.4	730.1	739.1	749.5	757.6	763.3	767.4	770.5
-65°	599.0	611.2	623.6	634.5	643.8	651.6	658.9	664.6	668.6	672.0	674.7
-67.5°	525.6	535.3	543.9	551.5	558.5	565.1	571.5	575.8	578.2	581.0	583.8
-70°	454.8	462.4	468.2	472.7	476.8	482.1	488.2	492.5	495.0	497.7	500.3
-72.5°	386.3	391.9	396.6	400.3	402.6	406.0	410.2	413.7	416.4	418.4	419.4
-75°	320.3	324.8	329.0	331.9	333.7	336.1	338.2	339.4	339.5	340.5	341.1
-77.5°	255.8	260.3	264.2	267.0	268.7	270.6	272.2	273.1	273.2	273.3	272.8
-80°	199.7	202.8	205.4	207.3	208.6	209.9	210.7	210.9	210.4	210.9	211.0
-82.5°	145.1	147.8	150.1	151.8	152.9	154.3	155.4	156.2	156.7	156.8	156.6
-85°	93.9	95.2	96.4	97.4	98.4	99.1	99.4	99.4	99.2	99.3	99.2
-87.5°	46.9	46.4	45.7	44.7	43.6	43.9	44.1	44.2	44.2	44.7	45.1
-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: P559002 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-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°	31.3	32.0	29.8	27.5	29.8	32.0	31.3	30.5	29.7	28.8	30.6
85°	104.1	104.8	103.0	100.8	103.0	104.8	104.1	103.1	101.8	100.3	101.3
82.5°	198.7	198.4	196.8	194.8	196.8	198.4	198.7	198.4	197.6	196.2	197.3
80°	303.1	301.0	299.8	297.9	299.8	301.0	303.1	304.2	304.3	303.8	305.9
77.5°	424.2	421.9	425.6	428.6	425.6	421.9	424.2	425.2	425.0	425.2	434.0
75°	588.1	583.5	579.2	573.0	579.2	583.5	588.1	590.3	590.3	590.7	600.5
72.5°	778.4	774.8	771.4	765.5	771.4	774.8	778.4	779.3	777.5	779.3	794.5
70°	1005.3	994.7	996.4	997.0	996.4	994.7	1005.3	1011.4	1012.4	1015.9	1029.2
67.5°	1290.7	1281.0	1282.3	1281.2	1282.3	1281.0	1290.7	1294.9	1293.4	1297.0	1307.8
65°	1636.3	1625.4	1612.2	1592.8	1612.2	1625.4	1636.3	1639.3	1634.3	1630.5	1628.9
62.5°	2007.3	1997.7	2003.3	2007.7	2003.3	1997.7	2007.3	2008.3	2000.6	1999.3	1993.5
60°	2419.2	2405.7	2399.0	2388.1	2399.0	2405.7	2419.2	2420.9	2410.3	2408.8	2401.5
57.5°	2928.1	2925.6	2919.7	2903.8	2919.7	2925.6	2928.1	2916.5	2891.3	2885.2	2863.8
55°	3492.3	3489.1	3502.1	3518.0	3502.1	3489.1	3492.3	3476.6	3443.3	3424.5	3393.3
52.5°	4103.6	4113.9	4110.3	4088.7	4110.3	4113.9	4103.6	4074.3	4034.5	4003.5	3947.0
50°	4708.8	4720.4	4732.8	4744.2	4732.8	4720.4	4708.8	4674.9	4636.4	4606.8	4555.1
47.5°	5394.7	5425.2	5430.5	5408.8	5430.5	5425.2	5394.7	5337.8	5296.6	5249.8	5152.4
45°	6173.9	6192.3	6201.6	6220.1	6201.6	6192.3	6173.9	6113.0	6082.6	6034.5	5938.5
42.5°	7156.3	7177.6	7180.9	7201.0	7180.9	7177.6	7156.3	7078.1	7051.0	6958.8	6822.9
40°	8322.4	8357.0	8351.0	8342.4	8351.0	8357.0	8322.4	8235.1	8214.7	8124.3	8009.3
37.5°	9687.5	9746.1	9752.3	9788.6	9752.3	9746.1	9687.5	9596.6	9532.0	9359.1	9283.6
35°	11219.4	11288.5	11276.6	11294.3	11276.6	11288.5	11219.4	11122.9	11029.6	10874.0	10684.2
32.5°	12764.7	12868.4	12889.3	12976.5	12889.3	12868.4	12764.7	12626.7	12476.9	12271.8	12018.6
30°	13978.9	14124.2	14219.0	14211.9	14219.0	14124.2	13978.9	13794.3	13673.3	13325.6	13049.9
27.5°	14481.7	14670.0	14846.3	14899.4	14846.3	14670.0	14481.7	14255.2	14183.7	13687.9	13514.1
25°	13991.1	14128.6	14284.3	14367.7	14284.3	14128.6	13991.1	13834.1	13589.2	13270.3	13020.9
22.5°	12982.8	13072.3	13125.2	13082.0	13125.2	13072.3	12982.8	12877.1	12647.3	12399.9	12126.1
20°	12067.9	12181.0	12202.1	12247.7	12202.1	12181.0	12067.9	11932.6	11801.8	11589.4	11352.6
17.5°	11386.8	11461.0	11504.5	11514.3	11504.5	11461.0	11386.8	11259.4	11139.9	10948.8	10741.1
15°	10853.1	10912.6	10951.6	10968.9	10951.6	10912.6	10853.1	10750.6	10621.0	10456.5	10276.9
12.5°	10475.0	10547.4	10582.9	10604.5	10582.9	10547.4	10475.0	10387.8	10254.7	10125.5	9937.1
10°	10232.5	10302.3	10330.5	10340.9	10330.5	10302.3	10232.5	10148.8	10044.0	9899.1	9730.1
7.5°	10058.3	10103.1	10122.1	10136.9	10122.1	10103.1	10058.3	9991.9	9882.1	9732.1	9564.6
5°	9917.8	9953.5	9973.6	9994.8	9973.6	9953.5	9917.8	9839.0	9734.0	9600.4	9426.9
2.5°	9726.5	9777.6	9813.0	9834.4	9813.0	9777.6	9726.5	9655.5	9566.0	9438.7	9258.0
0°	9538.7	9586.9	9612.1	9653.3	9612.1	9586.9	9538.7	9467.7	9378.3	9252.3	9075.8
-2.5°	9332.2	9388.0	9454.2	9518.1	9454.2	9388.0	9332.2	9261.9	9183.4	9057.9	8889.4
-5°	9174.3	9248.0	9261.8	9302.7	9261.8	9248.0	9174.3	9084.1	8977.7	8840.9	8678.5
-7.5°	8936.0	8969.6	9026.7	9036.8	9026.7	8969.6	8936.0	8858.0	8727.1	8577.6	8404.3
-10°	8568.8	8623.4	8659.0	8695.3	8659.0	8623.4	8568.8	8486.5	8376.2	8229.8	8071.0
-12.5°	8137.3	8201.5	8258.8	8250.7	8258.8	8201.5	8137.3	8062.7	7963.3	7833.6	7673.7
-15°	7717.0	7778.9	7818.3	7813.0	7818.3	7778.9	7717.0	7624.2	7534.7	7408.8	7270.2
-17.5°	7299.7	7356.3	7413.2	7411.9	7413.2	7356.3	7299.7	7219.6	7118.7	7003.2	6857.8
-20°	6868.9	6917.4	6978.4	7003.9	6978.4	6917.4	6868.9	6799.7	6681.3	6555.7	6406.6



REPORT NUMBER: P559002 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-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°	6370.8	6432.7	6477.0	6504.3	6477.0	6432.7	6370.8	6282.2	6177.6	6029.5	5897.9
-25°	5790.1	5853.7	5887.3	5899.3	5887.3	5853.7	5790.1	5722.5	5620.6	5477.6	5340.5
-27.5°	5148.5	5219.9	5254.5	5236.9	5254.5	5219.9	5148.5	5082.4	4970.4	4874.9	4741.8
-30°	4490.7	4536.4	4541.7	4581.4	4541.7	4536.4	4490.7	4441.0	4346.6	4255.4	4145.4
-32.5°	3841.5	3872.2	3854.8	3857.2	3854.8	3872.2	3841.5	3786.9	3710.6	3632.0	3556.6
-35°	3200.6	3225.0	3230.0	3275.1	3230.0	3225.0	3200.6	3172.3	3126.7	3041.3	3011.1
-37.5°	2685.4	2695.2	2680.1	2658.6	2680.1	2695.2	2685.4	2654.7	2625.1	2569.8	2548.2
-40°	2248.3	2255.9	2250.4	2239.2	2250.4	2255.9	2248.3	2226.4	2225.6	2198.2	2168.6
-42.5°	1933.9	1934.0	1928.8	1927.5	1928.8	1934.0	1933.9	1919.0	1915.2	1890.8	1852.5
-45°	1701.7	1704.1	1703.7	1702.9	1703.7	1704.1	1701.7	1691.1	1683.8	1667.2	1635.9
-47.5°	1521.5	1522.0	1519.6	1514.9	1519.6	1522.0	1521.5	1513.7	1502.8	1487.6	1463.7
-50°	1361.9	1362.0	1365.1	1370.5	1365.1	1362.0	1361.9	1356.6	1348.0	1337.0	1319.1
-52.5°	1227.2	1226.9	1228.6	1230.7	1228.6	1226.9	1227.2	1223.2	1215.6	1205.9	1191.1
-55°	1103.9	1103.2	1101.6	1097.8	1101.6	1103.2	1103.9	1101.0	1094.5	1084.6	1070.0
-57.5°	986.0	984.6	981.6	976.3	981.6	984.6	986.0	983.6	977.3	969.2	959.6
-60°	873.6	874.1	872.6	868.6	872.6	874.1	873.6	870.7	865.5	861.6	855.5
-62.5°	771.2	769.6	769.3	767.8	769.3	769.6	771.2	770.5	767.4	763.3	757.6
-65°	675.2	673.6	674.2	673.8	674.2	673.6	675.2	674.7	672.0	668.6	664.6
-67.5°	584.9	584.4	584.9	584.4	584.9	584.4	584.9	583.8	581.0	578.2	575.8
-70°	501.7	501.9	499.2	495.0	499.2	501.9	501.7	500.3	497.7	495.0	492.5
-72.5°	419.1	417.6	417.8	417.1	417.8	417.6	419.1	419.4	418.4	416.4	413.7
-75°	340.9	340.0	342.2	343.8	342.2	340.0	340.9	341.1	340.5	339.5	339.4
-77.5°	271.4	269.4	271.2	272.7	271.2	269.4	271.4	272.8	273.3	273.2	273.1
-80°	210.8	210.1	209.6	208.6	209.6	210.1	210.8	211.0	210.9	210.4	210.9
-82.5°	156.1	155.2	154.6	153.6	154.6	155.2	156.1	156.6	156.8	156.7	156.2
-85°	98.8	98.2	99.6	100.8	99.6	98.2	98.8	99.2	99.3	99.2	99.4
-87.5°	45.4	45.6	44.6	43.5	44.6	45.6	45.4	45.1	44.7	44.2	44.2
-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: P559002 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-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°	32.3	33.9	35.4	35.6	35.7	35.7	35.6	35.4	35.1	34.6	34.0
85°	102.0	102.3	102.4	104.1	105.1	105.5	105.0	103.2	100.7	97.6	93.7
82.5°	197.7	197.3	196.5	198.5	199.4	199.2	197.8	193.8	188.8	182.5	175.1
80°	306.7	306.4	305.8	310.0	312.1	312.0	309.1	302.1	292.9	283.4	273.9
77.5°	440.0	443.0	444.3	448.5	449.5	447.1	440.3	429.6	420.2	408.1	392.0
75°	607.4	611.2	613.9	617.9	618.2	614.6	607.6	594.7	577.6	556.2	527.7
72.5°	804.7	809.7	811.2	811.2	807.1	802.5	792.3	775.0	752.6	724.9	687.2
70°	1037.5	1040.7	1039.3	1032.7	1024.4	1013.5	996.3	972.0	941.0	908.3	862.1
67.5°	1311.5	1307.9	1298.6	1285.5	1271.7	1250.9	1223.5	1188.5	1152.7	1111.8	1049.6
65°	1622.5	1611.7	1599.2	1581.6	1555.4	1520.5	1478.1	1433.9	1387.1	1330.1	1251.6
62.5°	1973.4	1938.5	1926.5	1909.4	1876.3	1827.6	1775.6	1719.5	1649.5	1567.9	1489.0
60°	2381.8	2352.1	2322.3	2282.9	2234.2	2173.5	2107.8	2031.7	1945.6	1854.6	1749.1
57.5°	2822.9	2783.2	2752.7	2700.1	2624.6	2553.5	2471.0	2366.2	2263.0	2157.6	2031.4
55°	3351.1	3296.5	3231.8	3158.3	3077.5	2985.4	2872.8	2750.5	2624.2	2479.1	2344.6
52.5°	3869.0	3820.3	3746.0	3640.6	3545.9	3449.5	3317.1	3173.7	3031.0	2880.6	2691.8
50°	4481.2	4407.2	4305.8	4183.1	4083.8	3952.5	3805.0	3631.0	3482.5	3310.4	3102.3
47.5°	5096.6	5048.4	4928.8	4786.5	4694.3	4542.0	4360.3	4165.6	4001.6	3767.5	3540.8
45°	5875.1	5787.2	5653.1	5530.8	5386.6	5217.4	4985.7	4799.6	4580.4	4324.7	3996.2
42.5°	6787.2	6660.2	6486.3	6383.5	6210.4	5987.5	5729.7	5495.3	5221.8	4923.0	4545.6
40°	7892.8	7683.4	7506.8	7341.2	7144.0	6849.9	6564.2	6252.1	5925.2	5557.4	5066.2
37.5°	9162.7	8940.8	8680.3	8406.5	8151.8	7816.2	7433.6	7066.3	6673.2	6120.1	5560.0
35°	10484.9	10231.8	9910.1	9578.3	9182.6	8712.4	8317.6	7884.3	7347.6	6629.9	6016.9
32.5°	11790.5	11374.8	11026.4	10668.2	10075.7	9495.2	9070.4	8685.3	7773.9	7033.3	6418.4
30°	12734.6	12208.5	11855.4	11364.9	10621.3	10092.8	9689.0	8889.7	8041.4	7314.6	6731.0
27.5°	12941.1	12551.7	12193.3	11457.2	10816.9	10349.5	9718.3	8903.6	8132.1	7448.2	6883.2
25°	12544.4	12188.8	11752.7	11140.7	10606.2	10125.9	9463.2	8725.3	8033.0	7430.1	6795.9
22.5°	11791.1	11466.1	11069.1	10591.5	10138.2	9648.3	9064.2	8424.7	7829.2	7264.7	6650.8
20°	11071.3	10778.9	10410.9	10032.4	9642.7	9178.0	8623.5	8100.8	7616.1	7069.5	6476.6
17.5°	10505.6	10203.2	9914.3	9586.2	9186.9	8712.1	8313.2	7882.4	7403.6	6860.6	6277.6
15°	10034.0	9806.3	9530.9	9185.1	8818.7	8480.7	8101.4	7660.8	7183.8	6634.8	6091.9
12.5°	9746.1	9502.7	9201.9	8931.2	8626.1	8272.3	7881.4	7432.1	6975.9	6516.2	6029.4
10°	9515.8	9285.3	9037.4	8752.7	8430.4	8063.5	7697.7	7307.2	6882.5	6431.1	5949.4
7.5°	9368.1	9130.4	8866.3	8588.8	8279.6	7949.8	7591.2	7202.6	6773.7	6323.2	5850.9
5°	9224.8	8988.1	8734.3	8467.7	8151.8	7822.5	7467.5	7077.9	6647.3	6192.7	5732.9
2.5°	9060.9	8836.8	8592.1	8325.6	8004.4	7676.0	7325.8	6931.3	6507.1	6070.2	5598.8
0°	8876.4	8670.1	8406.6	8138.4	7835.9	7515.0	7164.4	6761.0	6346.2	5933.6	5443.2
-2.5°	8701.1	8481.5	8238.2	7972.0	7682.2	7350.0	7001.5	6611.4	6187.7	5770.7	5291.1
-5°	8487.0	8273.6	8029.3	7751.3	7459.1	7131.3	6785.0	6408.0	5991.4	5579.0	5120.8
-7.5°	8211.3	8006.3	7775.5	7498.8	7200.6	6873.1	6522.9	6146.2	5740.4	5332.5	4887.1
-10°	7880.4	7662.3	7427.6	7169.7	6890.4	6581.1	6234.6	5858.6	5468.1	5061.8	4633.5
-12.5°	7492.1	7284.7	7049.7	6797.7	6522.3	6219.7	5898.9	5540.2	5175.1	4766.9	4360.6
-15°	7078.8	6896.4	6665.0	6401.1	6119.7	5833.0	5528.5	5186.4	4849.2	4449.9	4068.6
-17.5°	6682.9	6482.1	6253.8	6010.2	5728.1	5426.6	5132.2	4818.6	4492.4	4128.7	3779.7
-20°	6238.7	6035.4	5823.7	5589.4	5320.6	5030.4	4730.6	4431.3	4125.0	3808.3	3491.1



REPORT NUMBER: P559002 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5737.3	5559.3	5359.2	5137.6	4874.5	4602.2	4327.2	4044.6	3754.8	3482.1	3197.7
-25°	5199.6	5038.3	4841.6	4632.1	4399.8	4153.8	3912.8	3661.8	3412.4	3156.7	2904.4
-27.5°	4618.5	4468.8	4298.4	4114.9	3909.3	3709.5	3496.4	3280.2	3078.6	2853.2	2633.0
-30°	4022.9	3906.4	3760.2	3587.6	3444.6	3277.9	3084.7	2930.7	2756.1	2563.0	2383.6
-32.5°	3449.7	3355.8	3235.6	3120.8	3001.2	2868.1	2736.0	2593.1	2440.8	2303.2	2156.4
-35°	2932.7	2854.4	2789.0	2702.9	2591.1	2502.7	2400.9	2283.7	2167.2	2056.7	1938.9
-37.5°	2507.1	2437.4	2388.5	2324.6	2246.7	2164.2	2097.4	2016.9	1921.4	1833.1	1737.6
-40°	2141.9	2084.0	2048.5	2010.1	1956.8	1879.9	1837.7	1777.6	1711.9	1627.1	1550.2
-42.5°	1849.5	1822.2	1781.7	1757.5	1715.7	1663.5	1609.2	1574.7	1522.1	1455.9	1393.0
-45°	1626.1	1608.6	1573.7	1549.6	1518.8	1477.5	1422.4	1396.4	1356.6	1310.7	1251.2
-47.5°	1447.2	1434.4	1408.6	1376.8	1353.1	1317.4	1278.8	1242.2	1219.0	1179.5	1130.8
-50°	1298.9	1286.6	1263.7	1232.0	1210.3	1183.1	1152.6	1116.3	1094.2	1060.7	1020.2
-52.5°	1171.1	1155.4	1135.1	1108.8	1087.7	1068.8	1041.6	1008.2	979.2	956.2	926.5
-55°	1050.5	1037.1	1023.5	1004.7	981.7	963.3	937.6	908.8	884.9	865.0	839.6
-57.5°	948.8	936.9	922.0	904.2	883.3	865.2	846.0	823.6	798.9	780.3	756.6
-60°	845.6	832.8	822.1	808.6	792.3	775.8	760.1	740.9	718.2	699.8	679.2
-62.5°	749.5	739.1	730.1	719.4	706.2	691.6	677.5	661.5	642.7	623.6	606.4
-65°	658.9	651.6	643.8	634.5	623.6	611.2	599.0	585.6	570.4	553.4	537.3
-67.5°	571.5	565.1	558.5	551.5	543.9	535.3	525.6	514.0	501.3	487.5	473.9
-70°	488.2	482.1	476.8	472.7	468.2	462.4	454.8	445.8	435.4	424.5	412.5
-72.5°	410.2	406.0	402.6	400.3	396.6	391.9	386.3	379.9	372.5	364.0	352.7
-75°	338.2	336.1	333.7	331.9	329.0	324.8	320.3	315.6	309.7	302.4	293.3
-77.5°	272.2	270.6	268.7	267.0	264.2	260.3	255.8	252.3	248.3	242.7	235.7
-80°	210.7	209.9	208.6	207.3	205.4	202.8	199.7	196.2	191.6	186.2	181.0
-82.5°	155.4	154.3	152.9	151.8	150.1	147.8	145.1	142.5	139.4	136.0	132.2
-85°	99.4	99.1	98.4	97.4	96.4	95.2	93.9	92.8	91.3	89.6	87.6
-87.5°	44.1	43.9	43.6	44.7	45.7	46.4	46.9	46.4	45.7	44.8	43.8
-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: P559002 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-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°	33.3	32.4	31.4	30.2	29.6	28.7	27.5	26.2	23.9	21.6	19.1
85°	88.9	83.4	77.3	70.6	64.1	57.3	55.1	52.3	47.8	43.1	38.2
82.5°	165.9	157.9	149.5	140.2	129.9	119.0	107.5	95.2	80.3	65.9	57.3
80°	261.8	248.4	233.7	217.6	199.7	180.6	164.9	147.8	126.6	106.1	86.4
77.5°	371.1	348.4	323.8	302.7	280.9	257.3	231.8	203.2	172.4	145.9	120.5
75°	492.8	464.1	434.6	402.5	368.4	333.9	303.8	268.7	227.0	186.3	154.1
72.5°	644.2	599.8	554.0	506.9	466.1	423.9	380.6	333.2	284.1	236.3	189.7
70°	806.4	745.1	687.6	631.0	572.1	513.8	463.5	404.8	340.5	285.4	232.0
67.5°	979.0	912.1	839.0	758.7	687.8	618.9	548.2	477.2	405.2	333.7	273.4
65°	1175.0	1090.4	999.1	911.0	817.0	725.0	645.9	552.1	468.5	389.6	313.8
62.5°	1390.5	1280.1	1180.8	1070.0	960.1	851.5	740.3	634.7	532.5	444.1	358.8
60°	1634.7	1513.6	1374.1	1250.1	1117.6	984.5	852.4	714.5	603.0	497.2	405.0
57.5°	1903.3	1761.0	1611.8	1447.8	1292.2	1134.7	964.2	805.8	671.0	554.9	449.3
55°	2184.0	2024.1	1855.6	1675.2	1483.0	1301.2	1081.8	899.2	739.8	612.0	490.5
52.5°	2498.5	2307.2	2112.8	1909.5	1697.9	1463.0	1212.3	987.3	816.9	666.6	534.2
50°	2860.7	2621.6	2390.8	2157.2	1915.7	1633.1	1334.3	1092.6	889.2	721.6	575.9
47.5°	3273.9	2983.7	2697.7	2417.3	2150.1	1791.2	1468.6	1193.0	956.6	780.4	614.6
45°	3701.8	3382.1	3035.7	2711.2	2340.6	1951.1	1599.5	1285.5	1038.1	831.5	650.4
42.5°	4131.4	3785.4	3413.6	3007.9	2536.2	2102.7	1718.9	1389.4	1113.1	878.5	687.9
40°	4608.4	4187.3	3790.5	3283.5	2714.0	2240.5	1841.8	1486.9	1180.7	925.8	725.5
37.5°	5063.4	4597.8	4161.5	3493.8	2876.7	2381.6	1954.2	1574.2	1242.4	977.0	759.6
35°	5488.1	4995.6	4348.5	3664.9	3038.1	2501.0	2053.6	1656.4	1308.0	1022.1	790.2
32.5°	5875.4	5250.5	4491.8	3798.3	3166.1	2598.5	2143.8	1729.6	1364.2	1061.0	817.2
30°	6139.5	5345.9	4590.2	3894.7	3261.5	2692.9	2217.3	1790.4	1410.9	1093.8	842.4
27.5°	6153.4	5390.2	4642.9	3954.9	3327.2	2762.2	2273.1	1838.6	1448.1	1124.3	868.5
25°	6105.2	5370.7	4650.6	3977.3	3362.0	2818.9	2315.9	1874.9	1482.4	1154.0	889.8
22.5°	5992.4	5301.5	4615.5	3962.2	3400.1	2858.0	2351.3	1905.9	1510.1	1176.3	906.4
20°	5849.9	5189.2	4556.7	3976.9	3419.4	2883.0	2377.9	1925.9	1528.0	1191.5	918.3
17.5°	5675.3	5100.0	4546.7	3974.2	3419.4	2890.4	2389.9	1935.1	1536.5	1199.8	925.8
15°	5595.0	5065.1	4516.9	3953.0	3400.6	2880.8	2387.7	1933.9	1536.0	1201.5	931.1
12.5°	5530.5	5010.1	4468.5	3913.4	3363.6	2854.7	2371.9	1922.4	1526.7	1201.5	934.9
10°	5448.8	4935.1	4401.5	3855.7	3309.1	2813.1	2343.1	1905.0	1522.2	1199.5	935.2
7.5°	5349.4	4840.3	4316.1	3780.0	3243.7	2766.4	2313.6	1885.5	1512.5	1192.5	931.9
5°	5233.9	4735.8	4224.3	3707.6	3193.9	2717.0	2274.5	1856.5	1496.5	1180.6	925.4
2.5°	5109.0	4627.6	4121.7	3619.8	3131.0	2655.6	2225.0	1819.0	1474.2	1164.2	915.7
0°	4964.2	4501.2	4001.6	3515.7	3055.1	2582.9	2165.8	1773.9	1446.2	1143.6	903.0
-2.5°	4837.0	4362.3	3872.3	3402.7	2944.4	2495.8	2101.3	1728.5	1415.1	1123.4	889.7
-5°	4689.0	4205.4	3727.8	3275.2	2822.1	2399.7	2028.9	1677.1	1379.0	1099.6	873.9
-7.5°	4471.6	4013.7	3563.2	3132.0	2689.8	2295.9	1949.9	1620.6	1338.4	1072.6	855.6
-10°	4226.8	3796.6	3376.7	2970.2	2561.2	2193.6	1866.4	1559.7	1293.8	1042.5	835.1
-12.5°	3967.9	3567.9	3179.9	2800.6	2428.7	2092.6	1786.5	1499.8	1246.3	1009.8	812.5
-15°	3696.9	3329.5	2974.4	2625.1	2291.7	1986.5	1702.7	1438.8	1199.6	976.2	788.1
-17.5°	3421.0	3083.3	2761.8	2445.8	2152.1	1876.3	1616.1	1374.6	1150.2	942.6	763.8
-20°	3169.2	2853.3	2545.0	2264.3	2011.2	1762.9	1527.4	1307.8	1098.7	907.3	739.1



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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°	2918.2	2641.0	2362.7	2095.6	1872.9	1647.0	1437.5	1238.9	1045.5	870.3	712.6
-25°	2668.3	2430.0	2184.6	1955.4	1739.0	1539.4	1350.7	1168.4	990.8	832.0	684.6
-27.5°	2432.7	2224.3	2005.9	1815.0	1621.9	1433.4	1266.9	1101.5	937.9	792.7	655.1
-30°	2208.0	2027.8	1845.5	1677.5	1506.1	1341.2	1183.0	1034.8	889.6	754.7	624.2
-32.5°	2000.5	1833.9	1692.4	1549.9	1399.7	1249.6	1105.2	968.4	841.1	716.8	595.4
-35°	1807.6	1668.2	1543.9	1426.4	1297.0	1166.4	1034.1	902.7	792.6	677.8	566.9
-37.5°	1623.9	1521.4	1414.9	1310.5	1194.7	1084.8	967.0	848.3	744.3	637.8	537.9
-40°	1472.8	1385.3	1296.4	1200.7	1104.1	1005.1	899.7	796.9	697.3	596.9	508.4
-42.5°	1328.9	1261.0	1184.3	1094.1	1019.9	931.3	833.5	744.5	651.8	560.1	478.5
-45°	1200.9	1143.2	1077.9	1010.2	939.2	858.3	775.0	691.8	606.3	525.5	449.5
-47.5°	1080.3	1037.3	984.2	927.7	862.1	788.2	716.0	641.4	560.8	490.9	421.7
-50°	978.6	941.6	898.9	847.6	786.5	723.9	657.9	591.3	522.5	456.8	393.5
-52.5°	890.3	855.0	816.8	769.6	717.5	659.5	604.4	542.1	483.6	423.7	364.7
-55°	807.4	772.9	737.9	697.5	650.8	602.4	551.5	498.5	443.9	390.7	335.8
-57.5°	729.2	695.6	665.5	629.2	590.0	547.8	501.9	454.3	406.1	357.2	310.1
-60°	654.0	626.6	597.0	567.1	533.0	494.5	453.5	410.8	368.4	324.2	284.1
-62.5°	584.9	560.2	535.6	508.5	477.1	442.5	405.5	369.2	330.3	294.5	257.8
-65°	519.9	499.5	476.1	450.6	422.0	391.7	360.4	327.3	295.9	264.4	231.3
-67.5°	457.9	439.0	416.4	392.8	370.1	344.7	315.5	289.0	262.3	234.0	205.1
-70°	397.4	379.0	360.2	342.2	321.7	298.5	275.3	252.1	228.5	204.9	178.8
-72.5°	339.1	324.6	309.5	293.2	275.5	256.3	235.7	215.6	196.8	175.7	152.4
-75°	282.3	271.3	259.5	246.2	230.7	214.2	198.2	181.9	165.2	146.4	128.9
-77.5°	227.8	219.2	209.9	200.3	188.4	175.7	162.3	148.2	134.6	121.0	106.5
-80°	176.3	170.8	164.6	157.1	147.4	137.1	127.4	117.5	107.0	95.8	83.9
-82.5°	128.6	124.8	120.4	115.2	108.7	101.9	94.9	87.6	79.4	70.6	61.9
-85°	85.0	82.0	78.6	74.6	70.6	66.5	62.5	58.1	52.6	47.0	41.3
-87.5°	42.2	40.5	38.7	36.8	35.1	33.2	31.2	29.1	26.3	23.5	20.7
-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°	16.6	14.0	11.3	8.6	5.8	2.8	0.0
85°	33.2	28.0	22.7	17.2	11.6	5.7	0.0
82.5°	49.7	42.0	34.0	25.7	17.3	8.5	0.0
80°	67.7	55.8	45.2	34.3	23.1	11.3	0.0
77.5°	96.1	72.8	56.3	42.7	28.7	14.1	0.0
75°	124.1	95.5	68.6	51.1	34.3	16.9	0.0
72.5°	151.7	117.8	85.9	59.4	39.9	19.6	0.0
70°	179.8	139.7	102.9	68.4	45.3	22.3	0.0
67.5°	214.2	161.1	119.5	80.5	50.7	25.0	0.0
65°	247.7	185.0	135.8	92.3	56.0	27.6	0.0
62.5°	280.0	210.9	151.6	103.9	61.1	30.1	0.0
60°	311.1	236.0	167.0	115.1	66.1	32.6	0.0
57.5°	346.3	260.1	185.5	126.1	73.2	35.0	0.0
55°	380.5	283.1	203.4	136.6	80.1	37.4	0.0
52.5°	412.8	305.7	220.5	146.7	86.8	39.6	0.0
50°	443.3	330.5	236.8	156.5	93.2	41.8	0.0
47.5°	472.3	353.8	252.2	166.2	99.4	43.9	0.0
45°	502.6	375.5	266.8	177.1	105.3	46.0	0.0
42.5°	530.5	395.7	280.4	187.3	111.0	47.9	0.0
40°	556.0	414.2	294.1	197.0	116.4	49.7	0.0
37.5°	579.0	431.0	307.9	206.2	121.4	51.5	0.0
35°	599.5	447.8	320.5	214.9	126.2	53.1	0.0
32.5°	619.2	463.5	331.9	222.9	130.7	54.7	0.0
30°	640.3	477.4	342.0	230.2	134.9	56.1	0.0
27.5°	658.6	489.3	351.6	237.0	138.7	57.4	0.0
25°	674.0	499.3	360.1	243.1	142.2	58.6	0.0
22.5°	686.6	508.0	367.4	248.6	145.4	59.7	0.0
20°	696.3	516.7	373.5	253.4	148.2	60.7	0.0
17.5°	705.1	523.9	378.4	257.5	150.7	61.6	0.0
15°	712.2	529.5	382.2	261.0	152.8	62.3	0.0
12.5°	716.6	533.6	384.9	263.8	154.6	62.9	0.0
10°	718.3	536.2	386.5	266.0	156.0	63.4	0.0
7.5°	717.5	537.3	387.0	267.5	157.1	63.8	0.0
5°	714.3	536.9	386.5	268.3	157.8	64.1	0.0
2.5°	708.9	535.0	385.1	268.5	158.1	64.2	0.0
0°	701.3	531.7	382.7	268.1	158.1	64.2	0.0
-2.5°	693.3	526.7	380.8	266.9	157.7	64.3	0.0
-5°	683.3	520.3	378.1	265.0	157.0	64.3	0.0
-7.5°	671.6	512.7	374.5	262.6	155.9	64.1	0.0
-10°	658.1	503.8	370.1	259.6	154.5	63.8	0.0
-12.5°	643.0	493.9	364.8	256.0	152.8	63.4	0.0
-15°	626.3	483.0	358.7	251.8	150.7	62.9	0.0
-17.5°	608.2	471.1	351.8	247.1	148.3	62.2	0.0
-20°	589.5	458.5	344.1	241.9	145.7	61.4	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	570.7	445.0	335.7	236.2	142.7	60.5	0.0
-25°	550.7	431.6	326.5	230.0	139.5	59.5	0.0
-27.5°	529.8	417.6	316.5	223.3	135.9	58.3	0.0
-30°	507.9	402.7	305.9	216.2	132.2	57.1	0.0
-32.5°	485.2	387.0	295.0	208.6	128.1	55.7	0.0
-35°	463.9	370.5	283.4	200.7	123.8	54.2	0.0
-37.5°	442.9	353.8	271.3	192.3	119.3	52.6	0.0
-40°	421.1	337.8	258.7	183.6	114.6	50.8	0.0
-42.5°	398.6	321.3	246.2	174.6	109.7	49.0	0.0
-45°	375.4	304.3	233.7	165.3	104.5	47.1	0.0
-47.5°	351.6	286.8	220.8	155.6	99.2	45.1	0.0
-50°	329.8	268.9	207.5	146.9	93.7	42.9	0.0
-52.5°	308.0	250.5	193.7	138.4	88.0	40.7	0.0
-55°	285.9	232.8	179.6	129.6	82.1	38.4	0.0
-57.5°	263.5	214.8	165.1	120.6	76.2	36.0	0.0
-60°	240.8	196.5	150.4	111.4	70.0	33.6	0.0
-62.5°	218.7	177.8	138.0	101.9	64.8	31.0	0.0
-65°	196.2	158.8	125.2	92.3	59.4	28.4	0.0
-67.5°	173.4	141.1	112.3	82.4	53.9	25.8	0.0
-70°	150.3	125.0	99.2	72.5	48.2	23.0	0.0
-72.5°	130.4	108.6	85.9	63.5	42.5	20.3	0.0
-75°	110.8	92.0	72.4	54.6	36.6	17.5	0.0
-77.5°	91.1	75.3	60.3	45.6	30.6	14.6	0.0
-80°	71.2	59.8	48.3	36.6	24.6	11.7	0.0
-82.5°	53.3	44.9	36.3	27.5	18.5	8.8	0.0
-85°	35.6	30.0	24.2	18.4	12.4	5.9	0.0
-87.5°	17.8	15.0	12.1	9.2	6.2	2.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)