

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: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-7)  
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-NAT-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQUARE, NARROW ASYMMETRICAL RECTANGULAR 6x4  
Light Source: (80) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

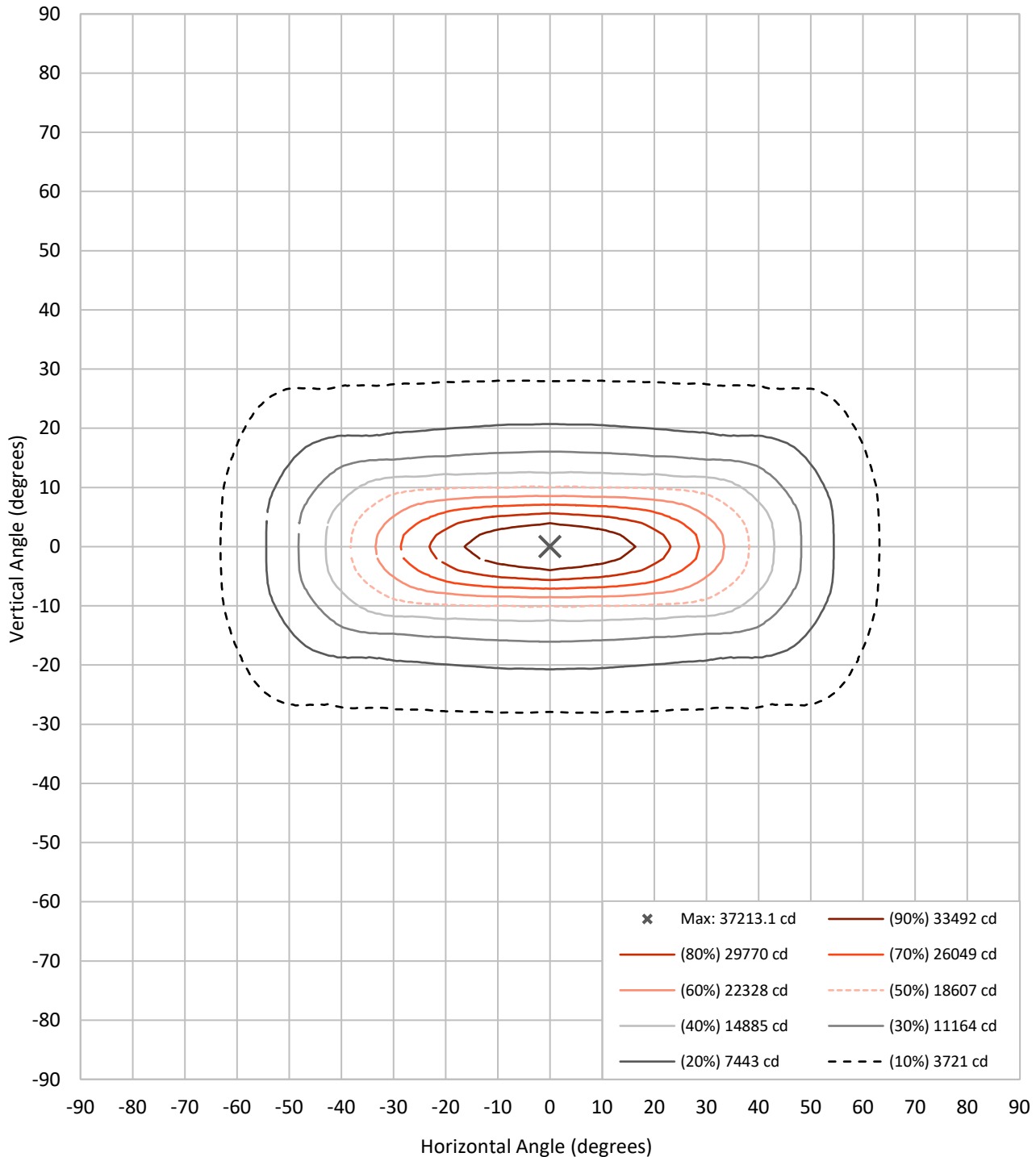
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	26651.3 lumens	Max Intensity:	37213.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	86.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	10663.1 lumens	Field Lumens:	21843.5 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

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

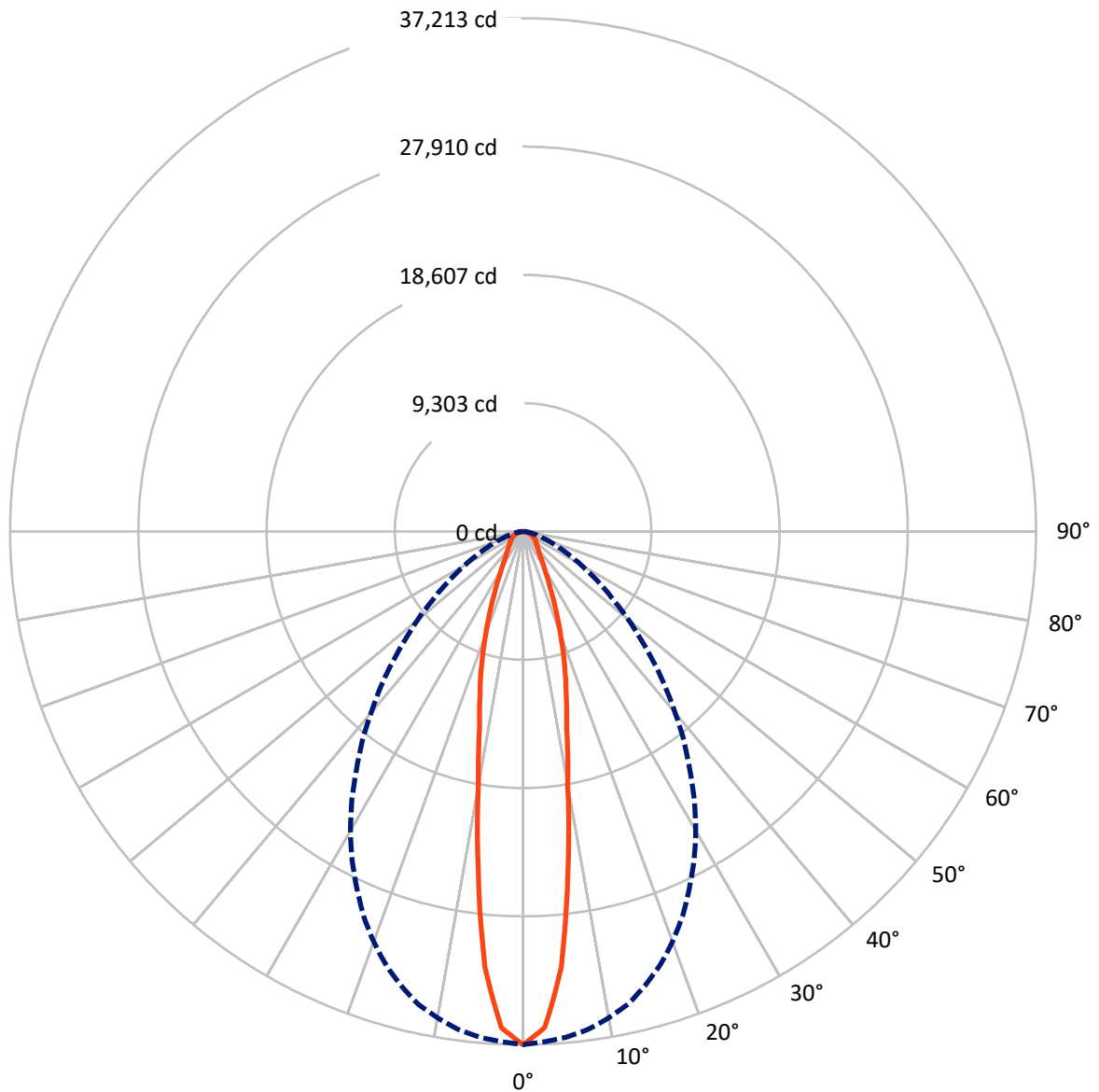
### Iso-Candela Plot





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

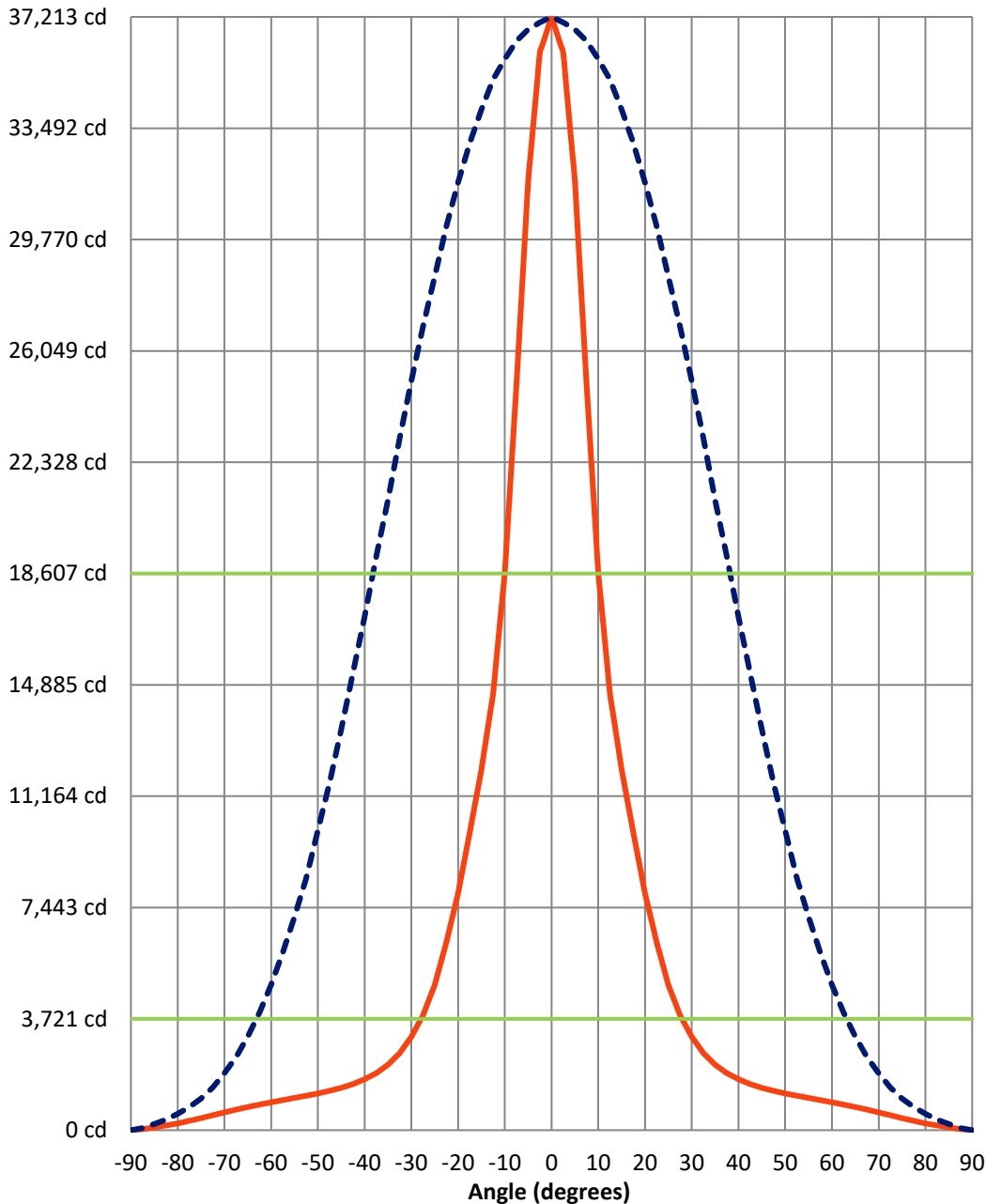
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 76.4°  
 V Angle: 20°  
 Lumens: 10663.1  
 Efficiency: 40.0%

**Field:**  
 H Angle: 126.3°  
 V Angle: 55.8°  
 Lumens: 21843.5  
 Efficiency: 82.0%

**Spill:**  
 Lumens: 4807.8  
 Efficiency: 18.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	3.1	6.2	8.8	11.1	13.1	14.8	16.8	18.7	20.4	21.9
85°	0.0	6.2	12.4	17.6	22.3	26.3	29.7	33.6	37.3	40.7	43.9
82.5°	0.0	9.3	18.5	26.4	33.4	39.4	44.5	50.4	57.2	68.2	78.1
80°	0.0	12.3	24.6	35.2	44.5	52.5	61.0	77.6	92.9	107.0	119.6
77.5°	0.0	15.4	30.7	43.9	55.5	69.7	89.8	109.9	128.7	145.7	161.9
75°	0.0	18.4	36.7	52.6	68.3	94.5	118.5	142.1	164.7	187.6	207.1
72.5°	0.0	21.3	42.7	61.2	88.6	119.1	147.0	175.5	205.1	230.7	252.5
70°	0.0	24.3	48.5	71.1	108.8	143.6	176.1	212.5	245.4	274.1	302.3
67.5°	0.0	27.2	54.3	86.5	128.8	167.9	209.3	249.3	285.9	323.4	353.6
65°	0.0	30.0	59.9	101.7	148.5	194.2	242.3	286.0	332.6	373.1	408.7
62.5°	0.0	32.8	65.5	116.7	168.1	222.6	275.2	327.2	379.5	425.0	471.5
60°	0.0	35.5	70.9	131.5	187.3	250.8	308.0	370.1	426.6	484.0	534.7
57.5°	0.0	38.1	80.5	145.9	210.0	278.6	345.1	413.1	479.3	543.2	603.1
55°	0.0	40.7	90.0	160.1	232.5	306.1	382.4	455.8	533.4	604.6	675.4
52.5°	0.0	43.2	99.1	174.0	254.6	333.9	419.1	503.8	587.2	674.1	749.5
50°	0.0	45.6	108.1	187.5	276.3	364.4	455.3	552.6	644.2	744.7	837.7
47.5°	0.0	48.0	116.7	201.4	297.6	394.2	492.0	601.6	709.3	816.5	930.4
45°	0.0	50.2	125.0	217.0	318.3	423.4	534.4	650.8	775.8	904.0	1026.5
42.5°	0.0	52.3	133.0	232.1	338.6	451.8	576.5	705.2	842.4	993.7	1135.9
40°	0.0	54.4	140.7	246.2	359.4	479.4	618.2	762.8	913.5	1085.2	1251.1
37.5°	0.0	56.3	148.1	259.4	380.5	506.2	659.4	819.7	994.1	1181.0	1370.0
35°	0.0	58.2	155.0	271.7	400.9	536.6	699.9	875.8	1074.4	1287.0	1498.8
32.5°	0.0	59.9	161.6	283.1	420.4	568.5	741.4	930.9	1154.1	1394.5	1640.5
30°	0.0	61.5	167.8	293.8	439.0	599.3	785.8	987.7	1233.0	1502.9	1785.5
27.5°	0.0	63.0	173.7	303.5	454.5	629.0	828.7	1051.9	1315.5	1611.8	1933.0
25°	0.0	64.3	179.0	312.4	468.8	657.4	870.0	1114.3	1404.5	1730.2	2082.8
22.5°	0.0	65.6	184.0	320.4	482.0	682.8	909.4	1174.5	1491.8	1852.7	2246.6
20°	0.0	66.7	188.5	327.5	494.1	702.2	946.9	1232.2	1576.8	1973.5	2408.9
17.5°	0.0	67.7	192.6	333.7	505.1	719.2	975.1	1287.1	1659.0	2091.6	2568.6
15°	0.0	68.6	196.2	339.0	514.9	733.8	996.1	1330.3	1737.7	2205.9	2724.2
12.5°	0.0	69.3	199.3	343.4	523.5	746.1	1014.2	1358.4	1794.1	2315.5	2874.3
10°	0.0	69.9	202.0	346.9	530.7	756.0	1029.1	1381.7	1830.2	2367.2	2991.5
7.5°	0.0	70.4	204.1	349.6	536.7	763.6	1040.9	1400.1	1859.3	2401.2	3044.5
5°	0.0	70.7	205.7	351.3	541.2	769.0	1049.4	1413.6	1881.3	2424.8	3085.6
2.5°	0.0	70.9	206.9	352.2	544.4	772.0	1054.8	1422.0	1896.0	2438.0	3114.1
0°	0.0	71.0	207.5	352.3	546.1	772.8	1056.8	1425.4	1903.3	2441.2	3129.3
-2.5°	0.0	70.9	206.9	352.2	544.4	772.0	1054.8	1422.0	1896.0	2438.0	3114.1
-5°	0.0	70.7	205.7	351.3	541.2	769.0	1049.4	1413.6	1881.3	2424.8	3085.6
-7.5°	0.0	70.4	204.1	349.6	536.7	763.6	1040.9	1400.1	1859.3	2401.2	3044.5
-10°	0.0	69.9	202.0	346.9	530.7	756.0	1029.1	1381.7	1830.2	2367.2	2991.5
-12.5°	0.0	69.3	199.3	343.4	523.5	746.1	1014.2	1358.4	1794.1	2315.5	2874.3
-15°	0.0	68.6	196.2	339.0	514.9	733.8	996.1	1330.3	1737.7	2205.9	2724.2
-17.5°	0.0	67.7	192.6	333.7	505.1	719.2	975.1	1287.1	1659.0	2091.6	2568.6
-20°	0.0	66.7	188.5	327.5	494.1	702.2	946.9	1232.2	1576.8	1973.5	2408.9



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

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	65.6	184.0	320.4	482.0	682.8	909.4	1174.5	1491.8	1852.7	2246.6
-25°	0.0	64.3	179.0	312.4	468.8	657.4	870.0	1114.3	1404.5	1730.2	2082.8
-27.5°	0.0	63.0	173.7	303.5	454.5	629.0	828.7	1051.9	1315.5	1611.8	1933.0
-30°	0.0	61.5	167.8	293.8	439.0	599.3	785.8	987.7	1233.0	1502.9	1785.5
-32.5°	0.0	59.9	161.6	283.1	420.4	568.5	741.4	930.9	1154.1	1394.5	1640.5
-35°	0.0	58.2	155.0	271.7	400.9	536.6	699.9	875.8	1074.4	1287.0	1498.8
-37.5°	0.0	56.3	148.1	259.4	380.5	506.2	659.4	819.7	994.1	1181.0	1370.0
-40°	0.0	54.4	140.7	246.2	359.4	479.4	618.2	762.8	913.5	1085.2	1251.1
-42.5°	0.0	52.3	133.0	232.1	338.6	451.8	576.5	705.2	842.4	993.7	1135.9
-45°	0.0	50.2	125.0	217.0	318.3	423.4	534.4	650.8	775.8	904.0	1026.5
-47.5°	0.0	48.0	116.7	201.4	297.6	394.2	492.0	601.6	709.3	816.5	930.4
-50°	0.0	45.6	108.1	187.5	276.3	364.4	455.3	552.6	644.2	744.7	837.7
-52.5°	0.0	43.2	99.1	174.0	254.6	333.9	419.1	503.8	587.2	674.1	749.5
-55°	0.0	40.7	90.0	160.1	232.5	306.1	382.4	455.8	533.4	604.6	675.4
-57.5°	0.0	38.1	80.5	145.9	210.0	278.6	345.1	413.1	479.3	543.2	603.1
-60°	0.0	35.5	70.9	131.5	187.3	250.8	308.0	370.1	426.6	484.0	534.7
-62.5°	0.0	32.8	65.5	116.7	168.1	222.6	275.2	327.2	379.5	425.0	471.5
-65°	0.0	30.0	59.9	101.7	148.5	194.2	242.3	286.0	332.6	373.1	408.7
-67.5°	0.0	27.2	54.3	86.5	128.8	167.9	209.3	249.3	285.9	323.4	353.6
-70°	0.0	24.3	48.5	71.1	108.8	143.6	176.1	212.5	245.4	274.1	302.3
-72.5°	0.0	21.3	42.7	61.2	88.6	119.1	147.0	175.5	205.1	230.7	252.5
-75°	0.0	18.4	36.7	52.6	68.3	94.5	118.5	142.1	164.7	187.6	207.1
-77.5°	0.0	15.4	30.7	43.9	55.5	69.7	89.8	109.9	128.7	145.7	161.9
-80°	0.0	12.3	24.6	35.2	44.5	52.5	61.0	77.6	92.9	107.0	119.6
-82.5°	0.0	9.3	18.5	26.4	33.4	39.4	44.5	50.4	57.2	68.2	78.1
-85°	0.0	6.2	12.4	17.6	22.3	26.3	29.7	33.6	37.3	40.7	43.9
-87.5°	0.0	3.1	6.2	8.8	11.1	13.1	14.8	16.8	18.7	20.4	21.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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 CATALOG NUMBER: GFLD-SA5E-935-U-NAT-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°	23.6	25.3	26.8	28.2	29.5	30.7	31.8	32.8	34.2	35.5	36.8
85°	47.3	50.5	55.9	60.4	64.5	68.1	71.1	73.6	76.2	78.4	80.1
82.5°	86.9	94.2	100.1	104.4	109.4	113.8	117.6	120.8	124.2	127.4	130.1
80°	129.9	138.2	146.7	154.1	161.4	166.9	170.3	171.8	176.1	181.6	187.3
77.5°	176.1	188.7	199.7	209.3	217.0	223.9	228.8	231.7	238.6	246.5	253.5
75°	224.1	239.3	254.6	268.0	278.6	286.5	292.2	296.9	305.2	315.6	324.6
72.5°	274.0	294.5	312.6	328.3	342.5	353.4	361.5	366.8	375.1	387.3	397.2
70°	326.5	350.1	374.6	394.7	409.9	422.8	433.4	440.7	448.2	460.6	469.9
67.5°	380.9	414.5	441.7	463.0	479.9	495.7	507.7	515.5	518.9	531.4	541.9
65°	444.9	480.9	511.3	535.2	552.1	571.5	585.0	591.6	593.7	607.4	620.3
62.5°	510.3	550.1	583.3	610.7	632.7	651.2	666.3	674.7	676.2	686.3	701.1
60°	580.0	620.7	660.3	693.3	716.9	735.9	752.2	761.2	763.0	767.0	784.0
57.5°	652.6	696.6	742.8	779.9	807.4	823.1	840.9	850.8	854.8	852.3	869.7
55°	731.6	777.4	829.5	872.7	902.1	916.4	933.0	947.2	952.1	948.9	959.3
52.5°	821.1	866.7	922.4	969.8	1002.5	1019.7	1031.5	1048.6	1056.4	1052.9	1050.8
50°	915.2	972.5	1018.5	1072.8	1112.3	1134.9	1135.2	1156.4	1166.7	1163.5	1149.5
47.5°	1021.7	1086.4	1121.2	1183.3	1234.7	1261.3	1263.0	1271.5	1284.1	1287.5	1275.4
45°	1136.8	1215.7	1253.1	1308.6	1366.2	1398.6	1408.5	1393.2	1415.9	1422.9	1415.3
42.5°	1258.0	1358.6	1417.7	1440.2	1507.2	1552.3	1569.8	1559.0	1557.9	1573.7	1573.4
40°	1397.9	1513.5	1602.2	1625.7	1659.5	1721.8	1758.7	1756.7	1715.3	1744.8	1752.5
37.5°	1547.6	1697.9	1807.4	1856.2	1830.5	1913.6	1967.6	1989.5	1963.8	1934.8	1967.8
35°	1705.0	1895.0	2042.6	2125.7	2129.4	2127.5	2212.1	2257.5	2260.6	2207.6	2219.5
32.5°	1881.3	2104.2	2299.8	2434.2	2495.2	2457.5	2479.5	2574.9	2621.5	2601.3	2525.0
30°	2070.5	2344.1	2583.9	2773.5	2909.9	2950.0	2859.1	2933.5	3036.9	3078.3	3045.1
27.5°	2261.9	2598.5	2902.7	3165.5	3376.8	3510.7	3513.8	3398.9	3516.2	3615.9	3654.4
25°	2456.4	2853.2	3240.8	3597.0	3916.6	4146.8	4252.7	4265.0	4101.0	4250.2	4389.1
22.5°	2663.6	3115.2	3575.2	4056.5	4502.0	4839.9	5096.7	5251.4	5246.4	5089.9	5212.0
20°	2882.8	3400.4	3936.0	4506.9	5114.5	5579.0	6009.4	6338.5	6536.7	6602.5	6474.2
17.5°	3101.7	3688.1	4314.8	4994.8	5697.8	6341.7	6986.7	7511.9	7928.1	8269.6	8391.8
15°	3317.9	3975.2	4695.1	5486.0	6298.3	7104.4	7933.7	8738.0	9446.0	10071.1	10441.7
12.5°	3529.0	4258.3	5072.4	5974.9	6907.3	7877.6	8867.0	9846.9	10867.0	11879.4	12648.9
10°	3732.6	4534.0	5441.9	6455.3	7515.7	8650.5	9798.7	10961.6	12200.8	13394.9	14544.5
7.5°	3819.7	4714.2	5760.2	6920.7	8113.8	9411.4	10716.3	12066.4	13514.3	14907.6	16311.4
5°	3873.4	4785.7	5849.6	7058.7	8385.9	9908.0	11465.0	13137.4	14789.6	16393.8	18047.9
2.5°	3909.1	4834.6	5909.3	7113.2	8426.5	9989.6	11566.1	13302.6	15156.4	17011.2	18980.4
0°	3926.7	4860.5	5939.1	7129.7	8421.3	10016.0	11605.2	13396.5	15275.2	17162.1	19177.3
-2.5°	3909.1	4834.6	5909.3	7113.2	8426.5	9989.6	11566.1	13302.6	15156.4	17011.2	18980.4
-5°	3873.4	4785.7	5849.6	7058.7	8385.9	9908.0	11465.0	13137.4	14789.6	16393.8	18047.9
-7.5°	3819.7	4714.2	5760.2	6920.7	8113.8	9411.4	10716.3	12066.4	13514.3	14907.6	16311.4
-10°	3732.6	4534.0	5441.9	6455.3	7515.7	8650.5	9798.7	10961.6	12200.8	13394.9	14544.5
-12.5°	3529.0	4258.3	5072.4	5974.9	6907.3	7877.6	8867.0	9846.9	10867.0	11879.4	12648.9
-15°	3317.9	3975.2	4695.1	5486.0	6298.3	7104.4	7933.7	8738.0	9446.0	10071.1	10441.7
-17.5°	3101.7	3688.1	4314.8	4994.8	5697.8	6341.7	6986.7	7511.9	7928.1	8269.6	8391.8
-20°	2882.8	3400.4	3936.0	4506.9	5114.5	5579.0	6009.4	6338.5	6536.7	6602.5	6474.2



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

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2663.6	3115.2	3575.2	4056.5	4502.0	4839.9	5096.7	5251.4	5246.4	5089.9	5212.0
-25°	2456.4	2853.2	3240.8	3597.0	3916.6	4146.8	4252.7	4265.0	4101.0	4250.2	4389.1
-27.5°	2261.9	2598.5	2902.7	3165.5	3376.8	3510.7	3513.8	3398.9	3516.2	3615.9	3654.4
-30°	2070.5	2344.1	2583.9	2773.5	2909.9	2950.0	2859.1	2933.5	3036.9	3078.3	3045.1
-32.5°	1881.3	2104.2	2299.8	2434.2	2495.2	2457.5	2479.5	2574.9	2621.5	2601.3	2525.0
-35°	1705.0	1895.0	2042.6	2125.7	2129.4	2127.5	2212.1	2257.5	2260.6	2207.6	2219.5
-37.5°	1547.6	1697.9	1807.4	1856.2	1830.5	1913.6	1967.6	1989.5	1963.8	1934.8	1967.8
-40°	1397.9	1513.5	1602.2	1625.7	1659.5	1721.8	1758.7	1756.7	1715.3	1744.8	1752.5
-42.5°	1258.0	1358.6	1417.7	1440.2	1507.2	1552.3	1569.8	1559.0	1557.9	1573.7	1573.4
-45°	1136.8	1215.7	1253.1	1308.6	1366.2	1398.6	1408.5	1393.2	1415.9	1422.9	1415.3
-47.5°	1021.7	1086.4	1121.2	1183.3	1234.7	1261.3	1263.0	1271.5	1284.1	1287.5	1275.4
-50°	915.2	972.5	1018.5	1072.8	1112.3	1134.9	1135.2	1156.4	1166.7	1163.5	1149.5
-52.5°	821.1	866.7	922.4	969.8	1002.5	1019.7	1031.5	1048.6	1056.4	1052.9	1050.8
-55°	731.6	777.4	829.5	872.7	902.1	916.4	933.0	947.2	952.1	948.9	959.3
-57.5°	652.6	696.6	742.8	779.9	807.4	823.1	840.9	850.8	854.8	852.3	869.7
-60°	580.0	620.7	660.3	693.3	716.9	735.9	752.2	761.2	763.0	767.0	784.0
-62.5°	510.3	550.1	583.3	610.7	632.7	651.2	666.3	674.7	676.2	686.3	701.1
-65°	444.9	480.9	511.3	535.2	552.1	571.5	585.0	591.6	593.7	607.4	620.3
-67.5°	380.9	414.5	441.7	463.0	479.9	495.7	507.7	515.5	518.9	531.4	541.9
-70°	326.5	350.1	374.6	394.7	409.9	422.8	433.4	440.7	448.2	460.6	469.9
-72.5°	274.0	294.5	312.6	328.3	342.5	353.4	361.5	366.8	375.1	387.3	397.2
-75°	224.1	239.3	254.6	268.0	278.6	286.5	292.2	296.9	305.2	315.6	324.6
-77.5°	176.1	188.7	199.7	209.3	217.0	223.9	228.8	231.7	238.6	246.5	253.5
-80°	129.9	138.2	146.7	154.1	161.4	166.9	170.3	171.8	176.1	181.6	187.3
-82.5°	86.9	94.2	100.1	104.4	109.4	113.8	117.6	120.8	124.2	127.4	130.1
-85°	47.3	50.5	55.9	60.4	64.5	68.1	71.1	73.6	76.2	78.4	80.1
-87.5°	23.6	25.3	26.8	28.2	29.5	30.7	31.8	32.8	34.2	35.5	36.8
-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: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-NAT-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°	38.0	37.4	36.6	35.7	34.6	34.7	34.6	34.5	34.3	34.0	33.6
85°	81.3	82.8	84.3	85.7	87.0	88.5	89.7	90.7	91.5	91.4	91.1
82.5°	132.4	136.8	141.2	145.4	149.3	151.4	152.9	153.9	154.5	155.7	156.7
80°	192.1	198.6	204.6	209.6	213.7	216.7	219.1	221.1	222.5	224.1	225.2
77.5°	259.9	267.2	274.1	280.2	285.4	290.3	294.4	297.7	300.2	304.0	307.5
75°	332.0	340.2	348.8	356.4	363.2	370.4	377.5	384.0	389.8	394.7	398.4
72.5°	404.9	413.5	424.1	433.8	442.9	452.6	462.1	470.5	477.7	484.5	490.6
70°	476.8	484.9	498.4	511.5	523.7	535.4	546.8	557.1	566.3	575.0	583.0
67.5°	551.1	559.6	576.4	591.6	605.2	617.9	631.3	643.2	653.6	662.9	671.0
65°	630.4	637.9	656.1	672.7	687.1	699.0	713.4	726.5	738.1	748.3	757.0
62.5°	712.4	719.9	734.9	751.3	765.0	776.5	793.4	808.1	820.5	830.9	839.6
60°	795.6	802.1	813.7	831.7	847.0	859.5	874.4	888.7	900.8	911.0	920.2
57.5°	882.0	888.6	894.2	912.2	926.9	938.4	951.4	965.4	977.1	986.7	996.2
55°	971.3	976.4	974.6	991.3	1005.1	1014.4	1024.2	1038.9	1050.5	1059.1	1067.7
52.5°	1062.6	1068.6	1064.4	1071.4	1086.5	1094.9	1099.1	1115.1	1127.0	1134.7	1142.6
50°	1164.2	1169.0	1165.3	1161.2	1175.9	1184.6	1187.0	1199.8	1210.7	1216.6	1222.2
47.5°	1274.4	1280.2	1277.3	1261.4	1274.4	1285.4	1285.7	1291.2	1302.5	1307.0	1310.4
45°	1394.2	1405.6	1403.2	1392.1	1390.3	1401.6	1400.5	1396.1	1409.0	1414.8	1416.6
42.5°	1551.6	1547.8	1551.4	1545.0	1525.2	1537.9	1539.5	1523.4	1539.6	1546.6	1542.5
40°	1744.0	1708.9	1728.3	1725.4	1706.9	1704.1	1714.1	1700.9	1703.4	1713.4	1705.7
37.5°	1973.0	1948.0	1937.5	1946.1	1940.7	1917.0	1935.9	1931.3	1916.3	1933.1	1925.7
35°	2255.0	2247.5	2190.9	2225.3	2232.5	2210.0	2216.5	2226.2	2193.7	2219.3	2216.6
32.5°	2584.7	2601.4	2589.2	2568.0	2600.2	2604.2	2567.0	2611.7	2593.7	2600.1	2617.7
30°	2958.0	3043.7	3085.4	3048.1	3068.1	3108.0	3089.8	3120.8	3135.7	3112.4	3156.4
27.5°	3610.2	3579.8	3679.7	3723.2	3676.7	3749.4	3802.2	3778.9	3856.1	3810.4	3875.7
25°	4439.1	4394.5	4421.3	4564.9	4596.8	4559.9	4708.7	4726.2	4787.5	4795.0	4840.6
22.5°	5413.0	5520.8	5508.2	5552.0	5732.4	5792.8	5847.7	5990.9	5958.3	6088.0	6110.6
20°	6501.9	6772.8	6959.4	6998.6	7075.7	7283.3	7378.5	7491.4	7567.2	7690.1	7794.0
17.5°	8343.9	8205.1	8571.1	8801.1	8922.0	8965.2	9215.2	9296.6	9484.4	9591.6	9698.1
15°	10708.9	10789.9	10624.6	10843.8	11214.1	11339.2	11195.4	11531.1	11625.5	11806.2	11838.1
12.5°	13236.8	13646.0	13846.7	13901.2	13707.6	14234.4	14445.4	14180.5	14481.0	14426.8	14674.0
10°	15648.8	16643.1	17238.3	17657.0	17911.4	18064.7	18217.0	18490.9	18495.6	18698.4	18580.0
7.5°	17629.1	18889.7	20094.0	21262.2	22196.7	22720.6	23131.9	23526.5	24052.9	24305.0	24468.8
5°	19566.5	21020.9	22461.8	23878.0	25160.4	26394.1	27603.3	28652.2	29208.1	29857.6	30436.8
2.5°	20819.5	22659.3	24499.5	26322.2	27804.0	29163.7	30422.2	31591.1	32616.5	33565.1	34366.1
0°	21064.1	23123.0	25042.7	26861.3	28529.7	30209.0	31675.4	32997.0	34113.9	35121.5	35801.4
-2.5°	20819.5	22659.3	24499.5	26322.2	27804.0	29163.7	30422.2	31591.1	32616.5	33565.1	34366.1
-5°	19566.5	21020.9	22461.8	23878.0	25160.4	26394.1	27603.3	28652.2	29208.1	29857.6	30436.8
-7.5°	17629.1	18889.7	20094.0	21262.2	22196.7	22720.6	23131.9	23526.5	24052.9	24305.0	24468.8
-10°	15648.8	16643.1	17238.3	17657.0	17911.4	18064.7	18217.0	18490.9	18495.6	18698.4	18580.0
-12.5°	13236.8	13646.0	13846.7	13901.2	13707.6	14234.4	14445.4	14180.5	14481.0	14426.8	14674.0
-15°	10708.9	10789.9	10624.6	10843.8	11214.1	11339.2	11195.4	11531.1	11625.5	11806.2	11838.1
-17.5°	8343.9	8205.1	8571.1	8801.1	8922.0	8965.2	9215.2	9296.6	9484.4	9591.6	9698.1
-20°	6501.9	6772.8	6959.4	6998.6	7075.7	7283.3	7378.5	7491.4	7567.2	7690.1	7794.0



REPORT NUMBER: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5413.0	5520.8	5508.2	5552.0	5732.4	5792.8	5847.7	5990.9	5958.3	6088.0	6110.6
-25°	4439.1	4394.5	4421.3	4564.9	4596.8	4559.9	4708.7	4726.2	4787.5	4795.0	4840.6
-27.5°	3610.2	3579.8	3679.7	3723.2	3676.7	3749.4	3802.2	3778.9	3856.1	3810.4	3875.7
-30°	2958.0	3043.7	3085.4	3048.1	3068.1	3108.0	3089.8	3120.8	3135.7	3112.4	3156.4
-32.5°	2584.7	2601.4	2589.2	2568.0	2600.2	2604.2	2567.0	2611.7	2593.7	2600.1	2617.7
-35°	2255.0	2247.5	2190.9	2225.3	2232.5	2210.0	2216.5	2226.2	2193.7	2219.3	2216.6
-37.5°	1973.0	1948.0	1937.5	1946.1	1940.7	1917.0	1935.9	1931.3	1916.3	1933.1	1925.7
-40°	1744.0	1708.9	1728.3	1725.4	1706.9	1704.1	1714.1	1700.9	1703.4	1713.4	1705.7
-42.5°	1551.6	1547.8	1551.4	1545.0	1525.2	1537.9	1539.5	1523.4	1539.6	1546.6	1542.5
-45°	1394.2	1405.6	1403.2	1392.1	1390.3	1401.6	1400.5	1396.1	1409.0	1414.8	1416.6
-47.5°	1274.4	1280.2	1277.3	1261.4	1274.4	1285.4	1285.7	1291.2	1302.5	1307.0	1310.4
-50°	1164.2	1169.0	1165.3	1161.2	1175.9	1184.6	1187.0	1199.8	1210.7	1216.6	1222.2
-52.5°	1062.6	1068.6	1064.4	1071.4	1086.5	1094.9	1099.1	1115.1	1127.0	1134.7	1142.6
-55°	971.3	976.4	974.6	991.3	1005.1	1014.4	1024.2	1038.9	1050.5	1059.1	1067.7
-57.5°	882.0	888.6	894.2	912.2	926.9	938.4	951.4	965.4	977.1	986.7	996.2
-60°	795.6	802.1	813.7	831.7	847.0	859.5	874.4	888.7	900.8	911.0	920.2
-62.5°	712.4	719.9	734.9	751.3	765.0	776.5	793.4	808.1	820.5	830.9	839.6
-65°	630.4	637.9	656.1	672.7	687.1	699.0	713.4	726.5	738.1	748.3	757.0
-67.5°	551.1	559.6	576.4	591.6	605.2	617.9	631.3	643.2	653.6	662.9	671.0
-70°	476.8	484.9	498.4	511.5	523.7	535.4	546.8	557.1	566.3	575.0	583.0
-72.5°	404.9	413.5	424.1	433.8	442.9	452.6	462.1	470.5	477.7	484.5	490.6
-75°	332.0	340.2	348.8	356.4	363.2	370.4	377.5	384.0	389.8	394.7	398.4
-77.5°	259.9	267.2	274.1	280.2	285.4	290.3	294.4	297.7	300.2	304.0	307.5
-80°	192.1	198.6	204.6	209.6	213.7	216.7	219.1	221.1	222.5	224.1	225.2
-82.5°	132.4	136.8	141.2	145.4	149.3	151.4	152.9	153.9	154.5	155.7	156.7
-85°	81.3	82.8	84.3	85.7	87.0	88.5	89.7	90.7	91.5	91.4	91.1
-87.5°	38.0	37.4	36.6	35.7	34.6	34.7	34.6	34.5	34.3	34.0	33.6
-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: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-NAT-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°	33.2	32.7	34.1	35.5	34.1	32.7	33.2	33.6	34.0	34.3	34.5
85°	90.5	89.7	91.3	92.8	91.3	89.7	90.5	91.1	91.4	91.5	90.7
82.5°	157.3	157.6	158.2	158.4	158.2	157.6	157.3	156.7	155.7	154.5	153.9
80°	225.7	225.6	225.0	223.9	225.0	225.6	225.7	225.2	224.1	222.5	221.1
77.5°	310.3	312.3	313.6	314.0	313.6	312.3	310.3	307.5	304.0	300.2	297.7
75°	400.8	402.1	402.3	401.4	402.3	402.1	400.8	398.4	394.7	389.8	384.0
72.5°	495.7	499.6	500.4	499.7	500.4	499.6	495.7	490.6	484.5	477.7	470.5
70°	589.6	594.8	594.7	592.5	594.7	594.8	589.6	583.0	575.0	566.3	557.1
67.5°	677.4	682.1	685.8	688.1	685.8	682.1	677.4	671.0	662.9	653.6	643.2
65°	763.9	769.1	771.9	772.8	771.9	769.1	763.9	757.0	748.3	738.1	726.5
62.5°	846.3	851.0	853.8	854.7	853.8	851.0	846.3	839.6	830.9	820.5	808.1
60°	927.3	932.5	933.3	931.1	933.3	932.5	927.3	920.2	911.0	900.8	888.7
57.5°	1003.6	1008.9	1008.7	1004.9	1008.7	1008.9	1003.6	996.2	986.7	977.1	965.4
55°	1073.9	1077.7	1079.2	1078.6	1079.2	1077.7	1073.9	1067.7	1059.1	1050.5	1038.9
52.5°	1148.5	1151.5	1152.8	1152.3	1152.8	1151.5	1148.5	1142.6	1134.7	1127.0	1115.1
50°	1226.2	1226.6	1226.5	1226.1	1226.5	1226.6	1226.2	1222.2	1216.6	1210.7	1199.8
47.5°	1315.1	1316.0	1316.2	1316.2	1316.2	1316.0	1315.1	1310.4	1307.0	1302.5	1291.2
45°	1420.2	1417.3	1414.3	1414.5	1414.3	1417.3	1420.2	1416.6	1414.8	1409.0	1396.1
42.5°	1546.3	1543.0	1539.1	1540.1	1539.1	1543.0	1546.3	1542.5	1546.6	1539.6	1523.4
40°	1712.4	1711.5	1705.9	1703.9	1705.9	1711.5	1712.4	1705.7	1713.4	1703.4	1700.9
37.5°	1926.9	1923.7	1911.3	1906.0	1911.3	1923.7	1926.9	1925.7	1933.1	1916.3	1931.3
35°	2209.0	2204.8	2185.7	2187.2	2185.7	2204.8	2209.0	2216.6	2219.3	2193.7	2226.2
32.5°	2608.9	2610.4	2581.6	2575.0	2581.6	2610.4	2608.9	2617.7	2600.1	2593.7	2611.7
30°	3129.1	3140.5	3106.6	3121.1	3106.6	3140.5	3129.1	3156.4	3112.4	3135.7	3120.8
27.5°	3874.5	3896.2	3866.2	3842.0	3866.2	3896.2	3874.5	3875.7	3810.4	3856.1	3778.9
25°	4900.4	4916.6	4882.4	4852.3	4882.4	4916.6	4900.4	4840.6	4795.0	4787.5	4726.2
22.5°	6235.8	6234.8	6233.1	6280.5	6233.1	6234.8	6235.8	6110.6	6088.0	5958.3	5990.9
20°	7861.1	7821.6	7880.6	7918.8	7880.6	7821.6	7861.1	7794.0	7690.1	7567.2	7491.4
17.5°	9722.9	9796.6	9853.2	9947.7	9853.2	9796.6	9722.9	9698.1	9591.6	9484.4	9296.6
15°	11918.2	12029.6	12086.2	12055.8	12086.2	12029.6	11918.2	11838.1	11806.2	11625.5	11531.1
12.5°	14682.7	14815.6	14717.4	14595.3	14717.4	14815.6	14682.7	14674.0	14426.8	14481.0	14180.5
10°	18581.8	18868.0	18884.0	18644.8	18884.0	18868.0	18581.8	18580.0	18698.4	18495.6	18490.9
7.5°	24564.0	24703.1	24914.6	24925.3	24914.6	24703.1	24564.0	24468.8	24305.0	24052.9	23526.5
5°	30699.3	31069.9	31308.8	31721.8	31308.8	31069.9	30699.3	30436.8	29857.6	29208.1	28652.2
2.5°	34883.5	35362.4	35546.3	36014.4	35546.3	35362.4	34883.5	34366.1	33565.1	32616.5	31591.1
0°	36407.6	36795.3	37027.4	37213.1	37027.4	36795.3	36407.6	35801.4	35121.5	34113.9	32997.0
-2.5°	34883.5	35362.4	35546.3	36014.4	35546.3	35362.4	34883.5	34366.1	33565.1	32616.5	31591.1
-5°	30699.3	31069.9	31308.8	31721.8	31308.8	31069.9	30699.3	30436.8	29857.6	29208.1	28652.2
-7.5°	24564.0	24703.1	24914.6	24925.3	24914.6	24703.1	24564.0	24468.8	24305.0	24052.9	23526.5
-10°	18581.8	18868.0	18884.0	18644.8	18884.0	18868.0	18581.8	18580.0	18698.4	18495.6	18490.9
-12.5°	14682.7	14815.6	14717.4	14595.3	14717.4	14815.6	14682.7	14674.0	14426.8	14481.0	14180.5
-15°	11918.2	12029.6	12086.2	12055.8	12086.2	12029.6	11918.2	11838.1	11806.2	11625.5	11531.1
-17.5°	9722.9	9796.6	9853.2	9947.7	9853.2	9796.6	9722.9	9698.1	9591.6	9484.4	9296.6
-20°	7861.1	7821.6	7880.6	7918.8	7880.6	7821.6	7861.1	7794.0	7690.1	7567.2	7491.4



REPORT NUMBER: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6235.8	6234.8	6233.1	6280.5	6233.1	6234.8	6235.8	6110.6	6088.0	5958.3	5990.9
-25°	4900.4	4916.6	4882.4	4852.3	4882.4	4916.6	4900.4	4840.6	4795.0	4787.5	4726.2
-27.5°	3874.5	3896.2	3866.2	3842.0	3866.2	3896.2	3874.5	3875.7	3810.4	3856.1	3778.9
-30°	3129.1	3140.5	3106.6	3121.1	3106.6	3140.5	3129.1	3156.4	3112.4	3135.7	3120.8
-32.5°	2608.9	2610.4	2581.6	2575.0	2581.6	2610.4	2608.9	2617.7	2600.1	2593.7	2611.7
-35°	2209.0	2204.8	2185.7	2187.2	2185.7	2204.8	2209.0	2216.6	2219.3	2193.7	2226.2
-37.5°	1926.9	1923.7	1911.3	1906.0	1911.3	1923.7	1926.9	1925.7	1933.1	1916.3	1931.3
-40°	1712.4	1711.5	1705.9	1703.9	1705.9	1711.5	1712.4	1705.7	1713.4	1703.4	1700.9
-42.5°	1546.3	1543.0	1539.1	1540.1	1539.1	1543.0	1546.3	1542.5	1546.6	1539.6	1523.4
-45°	1420.2	1417.3	1414.3	1414.5	1414.3	1417.3	1420.2	1416.6	1414.8	1409.0	1396.1
-47.5°	1315.1	1316.0	1316.2	1316.2	1316.2	1316.0	1315.1	1310.4	1307.0	1302.5	1291.2
-50°	1226.2	1226.6	1226.5	1226.1	1226.5	1226.6	1226.2	1222.2	1216.6	1210.7	1199.8
-52.5°	1148.5	1151.5	1152.8	1152.3	1152.8	1151.5	1148.5	1142.6	1134.7	1127.0	1115.1
-55°	1073.9	1077.7	1079.2	1078.6	1079.2	1077.7	1073.9	1067.7	1059.1	1050.5	1038.9
-57.5°	1003.6	1008.9	1008.7	1004.9	1008.7	1008.9	1003.6	996.2	986.7	977.1	965.4
-60°	927.3	932.5	933.3	931.1	933.3	932.5	927.3	920.2	911.0	900.8	888.7
-62.5°	846.3	851.0	853.8	854.7	853.8	851.0	846.3	839.6	830.9	820.5	808.1
-65°	763.9	769.1	771.9	772.8	771.9	769.1	763.9	757.0	748.3	738.1	726.5
-67.5°	677.4	682.1	685.8	688.1	685.8	682.1	677.4	671.0	662.9	653.6	643.2
-70°	589.6	594.8	594.7	592.5	594.7	594.8	589.6	583.0	575.0	566.3	557.1
-72.5°	495.7	499.6	500.4	499.7	500.4	499.6	495.7	490.6	484.5	477.7	470.5
-75°	400.8	402.1	402.3	401.4	402.3	402.1	400.8	398.4	394.7	389.8	384.0
-77.5°	310.3	312.3	313.6	314.0	313.6	312.3	310.3	307.5	304.0	300.2	297.7
-80°	225.7	225.6	225.0	223.9	225.0	225.6	225.7	225.2	224.1	222.5	221.1
-82.5°	157.3	157.6	158.2	158.4	158.2	157.6	157.3	156.7	155.7	154.5	153.9
-85°	90.5	89.7	91.3	92.8	91.3	89.7	90.5	91.1	91.4	91.5	90.7
-87.5°	33.2	32.7	34.1	35.5	34.1	32.7	33.2	33.6	34.0	34.3	34.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-NAT-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°	34.6	34.7	34.6	35.7	36.6	37.4	38.0	36.8	35.5	34.2	32.8
85°	89.7	88.5	87.0	85.7	84.3	82.8	81.3	80.1	78.4	76.2	73.6
82.5°	152.9	151.4	149.3	145.4	141.2	136.8	132.4	130.1	127.4	124.2	120.8
80°	219.1	216.7	213.7	209.6	204.6	198.6	192.1	187.3	181.6	176.1	171.8
77.5°	294.4	290.3	285.4	280.2	274.1	267.2	259.9	253.5	246.5	238.6	231.7
75°	377.5	370.4	363.2	356.4	348.8	340.2	332.0	324.6	315.6	305.2	296.9
72.5°	462.1	452.6	442.9	433.8	424.1	413.5	404.9	397.2	387.3	375.1	366.8
70°	546.8	535.4	523.7	511.5	498.4	484.9	476.8	469.9	460.6	448.2	440.7
67.5°	631.3	617.9	605.2	591.6	576.4	559.6	551.1	541.9	531.4	518.9	515.5
65°	713.4	699.0	687.1	672.7	656.1	637.9	630.4	620.3	607.4	593.7	591.6
62.5°	793.4	776.5	765.0	751.3	734.9	719.9	712.4	701.1	686.3	676.2	674.7
60°	874.4	859.5	847.0	831.7	813.7	802.1	795.6	784.0	767.0	763.0	761.2
57.5°	951.4	938.4	926.9	912.2	894.2	888.6	882.0	869.7	852.3	854.8	850.8
55°	1024.2	1014.4	1005.1	991.3	974.6	976.4	971.3	959.3	948.9	952.1	947.2
52.5°	1099.1	1094.9	1086.5	1071.4	1064.4	1068.6	1062.6	1050.8	1052.9	1056.4	1048.6
50°	1187.0	1184.6	1175.9	1161.2	1165.3	1169.0	1164.2	1149.5	1163.5	1166.7	1156.4
47.5°	1285.7	1285.4	1274.4	1261.4	1277.3	1280.2	1274.4	1275.4	1287.5	1284.1	1271.5
45°	1400.5	1401.6	1390.3	1392.1	1403.2	1405.6	1394.2	1415.3	1422.9	1415.9	1393.2
42.5°	1539.5	1537.9	1525.2	1545.0	1551.4	1547.8	1551.6	1573.4	1573.7	1557.9	1559.0
40°	1714.1	1704.1	1706.9	1725.4	1728.3	1708.9	1744.0	1752.5	1744.8	1715.3	1756.7
37.5°	1935.9	1917.0	1940.7	1946.1	1937.5	1948.0	1973.0	1967.8	1934.8	1963.8	1989.5
35°	2216.5	2210.0	2232.5	2225.3	2190.9	2247.5	2255.0	2219.5	2207.6	2260.6	2257.5
32.5°	2567.0	2604.2	2600.2	2568.0	2589.2	2601.4	2584.7	2525.0	2601.3	2621.5	2574.9
30°	3089.8	3108.0	3068.1	3048.1	3085.4	3043.7	2958.0	3045.1	3078.3	3036.9	2933.5
27.5°	3802.2	3749.4	3676.7	3723.2	3679.7	3579.8	3610.2	3654.4	3615.9	3516.2	3398.9
25°	4708.7	4559.9	4596.8	4564.9	4421.3	4394.5	4439.1	4389.1	4250.2	4101.0	4265.0
22.5°	5847.7	5792.8	5732.4	5552.0	5508.2	5520.8	5413.0	5212.0	5089.9	5246.4	5251.4
20°	7378.5	7283.3	7075.7	6998.6	6959.4	6772.8	6501.9	6474.2	6602.5	6536.7	6338.5
17.5°	9215.2	8965.2	8922.0	8801.1	8571.1	8205.1	8343.9	8391.8	8269.6	7928.1	7511.9
15°	11195.4	11339.2	11214.1	10843.8	10624.6	10789.9	10708.9	10441.7	10071.1	9446.0	8738.0
12.5°	14445.4	14234.4	13707.6	13901.2	13846.7	13646.0	13236.8	12648.9	11879.4	10867.0	9846.9
10°	18217.0	18064.7	17911.4	17657.0	17238.3	16643.1	15648.8	14544.5	13394.9	12200.8	10961.6
7.5°	23131.9	22720.6	22196.7	21262.2	20094.0	18889.7	17629.1	16311.4	14907.6	13514.3	12066.4
5°	27603.3	26394.1	25160.4	23878.0	22461.8	21020.9	19566.5	18047.9	16393.8	14789.6	13137.4
2.5°	30422.2	29163.7	27804.0	26322.2	24499.5	22659.3	20819.5	18980.4	17011.2	15156.4	13302.6
0°	31675.4	30209.0	28529.7	26861.3	25042.7	23123.0	21064.1	19177.3	17162.1	15275.2	13396.5
-2.5°	30422.2	29163.7	27804.0	26322.2	24499.5	22659.3	20819.5	18980.4	17011.2	15156.4	13302.6
-5°	27603.3	26394.1	25160.4	23878.0	22461.8	21020.9	19566.5	18047.9	16393.8	14789.6	13137.4
-7.5°	23131.9	22720.6	22196.7	21262.2	20094.0	18889.7	17629.1	16311.4	14907.6	13514.3	12066.4
-10°	18217.0	18064.7	17911.4	17657.0	17238.3	16643.1	15648.8	14544.5	13394.9	12200.8	10961.6
-12.5°	14445.4	14234.4	13707.6	13901.2	13846.7	13646.0	13236.8	12648.9	11879.4	10867.0	9846.9
-15°	11195.4	11339.2	11214.1	10843.8	10624.6	10789.9	10708.9	10441.7	10071.1	9446.0	8738.0
-17.5°	9215.2	8965.2	8922.0	8801.1	8571.1	8205.1	8343.9	8391.8	8269.6	7928.1	7511.9
-20°	7378.5	7283.3	7075.7	6998.6	6959.4	6772.8	6501.9	6474.2	6602.5	6536.7	6338.5



REPORT NUMBER: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5847.7	5792.8	5732.4	5552.0	5508.2	5520.8	5413.0	5212.0	5089.9	5246.4	5251.4
-25°	4708.7	4559.9	4596.8	4564.9	4421.3	4394.5	4439.1	4389.1	4250.2	4101.0	4265.0
-27.5°	3802.2	3749.4	3676.7	3723.2	3679.7	3579.8	3610.2	3654.4	3615.9	3516.2	3398.9
-30°	3089.8	3108.0	3068.1	3048.1	3085.4	3043.7	2958.0	3045.1	3078.3	3036.9	2933.5
-32.5°	2567.0	2604.2	2600.2	2568.0	2589.2	2601.4	2584.7	2525.0	2601.3	2621.5	2574.9
-35°	2216.5	2210.0	2232.5	2225.3	2190.9	2247.5	2255.0	2219.5	2207.6	2260.6	2257.5
-37.5°	1935.9	1917.0	1940.7	1946.1	1937.5	1948.0	1973.0	1967.8	1934.8	1963.8	1989.5
-40°	1714.1	1704.1	1706.9	1725.4	1728.3	1708.9	1744.0	1752.5	1744.8	1715.3	1756.7
-42.5°	1539.5	1537.9	1525.2	1545.0	1551.4	1547.8	1551.6	1573.4	1573.7	1557.9	1559.0
-45°	1400.5	1401.6	1390.3	1392.1	1403.2	1405.6	1394.2	1415.3	1422.9	1415.9	1393.2
-47.5°	1285.7	1285.4	1274.4	1261.4	1277.3	1280.2	1274.4	1275.4	1287.5	1284.1	1271.5
-50°	1187.0	1184.6	1175.9	1161.2	1165.3	1169.0	1164.2	1149.5	1163.5	1166.7	1156.4
-52.5°	1099.1	1094.9	1086.5	1071.4	1064.4	1068.6	1062.6	1050.8	1052.9	1056.4	1048.6
-55°	1024.2	1014.4	1005.1	991.3	974.6	976.4	971.3	959.3	948.9	952.1	947.2
-57.5°	951.4	938.4	926.9	912.2	894.2	888.6	882.0	869.7	852.3	854.8	850.8
-60°	874.4	859.5	847.0	831.7	813.7	802.1	795.6	784.0	767.0	763.0	761.2
-62.5°	793.4	776.5	765.0	751.3	734.9	719.9	712.4	701.1	686.3	676.2	674.7
-65°	713.4	699.0	687.1	672.7	656.1	637.9	630.4	620.3	607.4	593.7	591.6
-67.5°	631.3	617.9	605.2	591.6	576.4	559.6	551.1	541.9	531.4	518.9	515.5
-70°	546.8	535.4	523.7	511.5	498.4	484.9	476.8	469.9	460.6	448.2	440.7
-72.5°	462.1	452.6	442.9	433.8	424.1	413.5	404.9	397.2	387.3	375.1	366.8
-75°	377.5	370.4	363.2	356.4	348.8	340.2	332.0	324.6	315.6	305.2	296.9
-77.5°	294.4	290.3	285.4	280.2	274.1	267.2	259.9	253.5	246.5	238.6	231.7
-80°	219.1	216.7	213.7	209.6	204.6	198.6	192.1	187.3	181.6	176.1	171.8
-82.5°	152.9	151.4	149.3	145.4	141.2	136.8	132.4	130.1	127.4	124.2	120.8
-85°	89.7	88.5	87.0	85.7	84.3	82.8	81.3	80.1	78.4	76.2	73.6
-87.5°	34.6	34.7	34.6	35.7	36.6	37.4	38.0	36.8	35.5	34.2	32.8
-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: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-NAT-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°	31.8	30.7	29.5	28.2	26.8	25.3	23.6	21.9	20.4	18.7	16.8
85°	71.1	68.1	64.5	60.4	55.9	50.5	47.3	43.9	40.7	37.3	33.6
82.5°	117.6	113.8	109.4	104.4	100.1	94.2	86.9	78.1	68.2	57.2	50.4
80°	170.3	166.9	161.4	154.1	146.7	138.2	129.9	119.6	107.0	92.9	77.6
77.5°	228.8	223.9	217.0	209.3	199.7	188.7	176.1	161.9	145.7	128.7	109.9
75°	292.2	286.5	278.6	268.0	254.6	239.3	224.1	207.1	187.6	164.7	142.1
72.5°	361.5	353.4	342.5	328.3	312.6	294.5	274.0	252.5	230.7	205.1	175.5
70°	433.4	422.8	409.9	394.7	374.6	350.1	326.5	302.3	274.1	245.4	212.5
67.5°	507.7	495.7	479.9	463.0	441.7	414.5	380.9	353.6	323.4	285.9	249.3
65°	585.0	571.5	552.1	535.2	511.3	480.9	444.9	408.7	373.1	332.6	286.0
62.5°	666.3	651.2	632.7	610.7	583.3	550.1	510.3	471.5	425.0	379.5	327.2
60°	752.2	735.9	716.9	693.3	660.3	620.7	580.0	534.7	484.0	426.6	370.1
57.5°	840.9	823.1	807.4	779.9	742.8	696.6	652.6	603.1	543.2	479.3	413.1
55°	933.0	916.4	902.1	872.7	829.5	777.4	731.6	675.4	604.6	533.4	455.8
52.5°	1031.5	1019.7	1002.5	969.8	922.4	866.7	821.1	749.5	674.1	587.2	503.8
50°	1135.2	1134.9	1112.3	1072.8	1018.5	972.5	915.2	837.7	744.7	644.2	552.6
47.5°	1263.0	1261.3	1234.7	1183.3	1121.2	1086.4	1021.7	930.4	816.5	709.3	601.6
45°	1408.5	1398.6	1366.2	1308.6	1253.1	1215.7	1136.8	1026.5	904.0	775.8	650.8
42.5°	1569.8	1552.3	1507.2	1440.2	1417.7	1358.6	1258.0	1135.9	993.7	842.4	705.2
40°	1758.7	1721.8	1659.5	1625.7	1602.2	1513.5	1397.9	1251.1	1085.2	913.5	762.8
37.5°	1967.6	1913.6	1830.5	1856.2	1807.4	1697.9	1547.6	1370.0	1181.0	994.1	819.7
35°	2212.1	2127.5	2129.4	2125.7	2042.6	1895.0	1705.0	1498.8	1287.0	1074.4	875.8
32.5°	2479.5	2457.5	2495.2	2434.2	2299.8	2104.2	1881.3	1640.5	1394.5	1154.1	930.9
30°	2859.1	2950.0	2909.9	2773.5	2583.9	2344.1	2070.5	1785.5	1502.9	1233.0	987.7
27.5°	3513.8	3510.7	3376.8	3165.5	2902.7	2598.5	2261.9	1933.0	1611.8	1315.5	1051.9
25°	4252.7	4146.8	3916.6	3597.0	3240.8	2853.2	2456.4	2082.8	1730.2	1404.5	1114.3
22.5°	5096.7	4839.9	4502.0	4056.5	3575.2	3115.2	2663.6	2246.6	1852.7	1491.8	1174.5
20°	6009.4	5579.0	5114.5	4506.9	3936.0	3400.4	2882.8	2408.9	1973.5	1576.8	1232.2
17.5°	6986.7	6341.7	5697.8	4994.8	4314.8	3688.1	3101.7	2568.6	2091.6	1659.0	1287.1
15°	7933.7	7104.4	6298.3	5486.0	4695.1	3975.2	3317.9	2724.2	2205.9	1737.7	1330.3
12.5°	8867.0	7877.6	6907.3	5974.9	5072.4	4258.3	3529.0	2874.3	2315.5	1794.1	1358.4
10°	9798.7	8650.5	7515.7	6455.3	5441.9	4534.0	3732.6	2991.5	2367.2	1830.2	1381.7
7.5°	10716.3	9411.4	8113.8	6920.7	5760.2	4714.2	3819.7	3044.5	2401.2	1859.3	1400.1
5°	11465.0	9908.0	8385.9	7058.7	5849.6	4785.7	3873.4	3085.6	2424.8	1881.3	1413.6
2.5°	11566.1	9989.6	8426.5	7113.2	5909.3	4834.6	3909.1	3114.1	2438.0	1896.0	1422.0
0°	11605.2	10016.0	8421.3	7129.7	5939.1	4860.5	3926.7	3129.3	2441.2	1903.3	1425.4
-2.5°	11566.1	9989.6	8426.5	7113.2	5909.3	4834.6	3909.1	3114.1	2438.0	1896.0	1422.0
-5°	11465.0	9908.0	8385.9	7058.7	5849.6	4785.7	3873.4	3085.6	2424.8	1881.3	1413.6
-7.5°	10716.3	9411.4	8113.8	6920.7	5760.2	4714.2	3819.7	3044.5	2401.2	1859.3	1400.1
-10°	9798.7	8650.5	7515.7	6455.3	5441.9	4534.0	3732.6	2991.5	2367.2	1830.2	1381.7
-12.5°	8867.0	7877.6	6907.3	5974.9	5072.4	4258.3	3529.0	2874.3	2315.5	1794.1	1358.4
-15°	7933.7	7104.4	6298.3	5486.0	4695.1	3975.2	3317.9	2724.2	2205.9	1737.7	1330.3
-17.5°	6986.7	6341.7	5697.8	4994.8	4314.8	3688.1	3101.7	2568.6	2091.6	1659.0	1287.1
-20°	6009.4	5579.0	5114.5	4506.9	3936.0	3400.4	2882.8	2408.9	1973.5	1576.8	1232.2



REPORT NUMBER: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5096.7	4839.9	4502.0	4056.5	3575.2	3115.2	2663.6	2246.6	1852.7	1491.8	1174.5
-25°	4252.7	4146.8	3916.6	3597.0	3240.8	2853.2	2456.4	2082.8	1730.2	1404.5	1114.3
-27.5°	3513.8	3510.7	3376.8	3165.5	2902.7	2598.5	2261.9	1933.0	1611.8	1315.5	1051.9
-30°	2859.1	2950.0	2909.9	2773.5	2583.9	2344.1	2070.5	1785.5	1502.9	1233.0	987.7
-32.5°	2479.5	2457.5	2495.2	2434.2	2299.8	2104.2	1881.3	1640.5	1394.5	1154.1	930.9
-35°	2212.1	2127.5	2129.4	2125.7	2042.6	1895.0	1705.0	1498.8	1287.0	1074.4	875.8
-37.5°	1967.6	1913.6	1830.5	1856.2	1807.4	1697.9	1547.6	1370.0	1181.0	994.1	819.7
-40°	1758.7	1721.8	1659.5	1625.7	1602.2	1513.5	1397.9	1251.1	1085.2	913.5	762.8
-42.5°	1569.8	1552.3	1507.2	1440.2	1417.7	1358.6	1258.0	1135.9	993.7	842.4	705.2
-45°	1408.5	1398.6	1366.2	1308.6	1253.1	1215.7	1136.8	1026.5	904.0	775.8	650.8
-47.5°	1263.0	1261.3	1234.7	1183.3	1121.2	1086.4	1021.7	930.4	816.5	709.3	601.6
-50°	1135.2	1134.9	1112.3	1072.8	1018.5	972.5	915.2	837.7	744.7	644.2	552.6
-52.5°	1031.5	1019.7	1002.5	969.8	922.4	866.7	821.1	749.5	674.1	587.2	503.8
-55°	933.0	916.4	902.1	872.7	829.5	777.4	731.6	675.4	604.6	533.4	455.8
-57.5°	840.9	823.1	807.4	779.9	742.8	696.6	652.6	603.1	543.2	479.3	413.1
-60°	752.2	735.9	716.9	693.3	660.3	620.7	580.0	534.7	484.0	426.6	370.1
-62.5°	666.3	651.2	632.7	610.7	583.3	550.1	510.3	471.5	425.0	379.5	327.2
-65°	585.0	571.5	552.1	535.2	511.3	480.9	444.9	408.7	373.1	332.6	286.0
-67.5°	507.7	495.7	479.9	463.0	441.7	414.5	380.9	353.6	323.4	285.9	249.3
-70°	433.4	422.8	409.9	394.7	374.6	350.1	326.5	302.3	274.1	245.4	212.5
-72.5°	361.5	353.4	342.5	328.3	312.6	294.5	274.0	252.5	230.7	205.1	175.5
-75°	292.2	286.5	278.6	268.0	254.6	239.3	224.1	207.1	187.6	164.7	142.1
-77.5°	228.8	223.9	217.0	209.3	199.7	188.7	176.1	161.9	145.7	128.7	109.9
-80°	170.3	166.9	161.4	154.1	146.7	138.2	129.9	119.6	107.0	92.9	77.6
-82.5°	117.6	113.8	109.4	104.4	100.1	94.2	86.9	78.1	68.2	57.2	50.4
-85°	71.1	68.1	64.5	60.4	55.9	50.5	47.3	43.9	40.7	37.3	33.6
-87.5°	31.8	30.7	29.5	28.2	26.8	25.3	23.6	21.9	20.4	18.7	16.8
-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: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-NAT-XX

**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°	14.8	13.1	11.1	8.8	6.2	3.1	0.0
85°	29.7	26.3	22.3	17.6	12.4	6.2	0.0
82.5°	44.5	39.4	33.4	26.4	18.5	9.3	0.0
80°	61.0	52.5	44.5	35.2	24.6	12.3	0.0
77.5°	89.8	69.7	55.5	43.9	30.7	15.4	0.0
75°	118.5	94.5	68.3	52.6	36.7	18.4	0.0
72.5°	147.0	119.1	88.6	61.2	42.7	21.3	0.0
70°	176.1	143.6	108.8	71.1	48.5	24.3	0.0
67.5°	209.3	167.9	128.8	86.5	54.3	27.2	0.0
65°	242.3	194.2	148.5	101.7	59.9	30.0	0.0
62.5°	275.2	222.6	168.1	116.7	65.5	32.8	0.0
60°	308.0	250.8	187.3	131.5	70.9	35.5	0.0
57.5°	345.1	278.6	210.0	145.9	80.5	38.1	0.0
55°	382.4	306.1	232.5	160.1	90.0	40.7	0.0
52.5°	419.1	333.9	254.6	174.0	99.1	43.2	0.0
50°	455.3	364.4	276.3	187.5	108.1	45.6	0.0
47.5°	492.0	394.2	297.6	201.4	116.7	48.0	0.0
45°	534.4	423.4	318.3	217.0	125.0	50.2	0.0
42.5°	576.5	451.8	338.6	232.1	133.0	52.3	0.0
40°	618.2	479.4	359.4	246.2	140.7	54.4	0.0
37.5°	659.4	506.2	380.5	259.4	148.1	56.3	0.0
35°	699.9	536.6	400.9	271.7	155.0	58.2	0.0
32.5°	741.4	568.5	420.4	283.1	161.6	59.9	0.0
30°	785.8	599.3	439.0	293.8	167.8	61.5	0.0
27.5°	828.7	629.0	454.5	303.5	173.7	63.0	0.0
25°	870.0	657.4	468.8	312.4	179.0	64.3	0.0
22.5°	909.4	682.8	482.0	320.4	184.0	65.6	0.0
20°	946.9	702.2	494.1	327.5	188.5	66.7	0.0
17.5°	975.1	719.2	505.1	333.7	192.6	67.7	0.0
15°	996.1	733.8	514.9	339.0	196.2	68.6	0.0
12.5°	1014.2	746.1	523.5	343.4	199.3	69.3	0.0
10°	1029.1	756.0	530.7	346.9	202.0	69.9	0.0
7.5°	1040.9	763.6	536.7	349.6	204.1	70.4	0.0
5°	1049.4	769.0	541.2	351.3	205.7	70.7	0.0
2.5°	1054.8	772.0	544.4	352.2	206.9	70.9	0.0
0°	1056.8	772.8	546.1	352.3	207.5	71.0	0.0
-2.5°	1054.8	772.0	544.4	352.2	206.9	70.9	0.0
-5°	1049.4	769.0	541.2	351.3	205.7	70.7	0.0
-7.5°	1040.9	763.6	536.7	349.6	204.1	70.4	0.0
-10°	1029.1	756.0	530.7	346.9	202.0	69.9	0.0
-12.5°	1014.2	746.1	523.5	343.4	199.3	69.3	0.0
-15°	996.1	733.8	514.9	339.0	196.2	68.6	0.0
-17.5°	975.1	719.2	505.1	333.7	192.6	67.7	0.0
-20°	946.9	702.2	494.1	327.5	188.5	66.7	0.0



REPORT NUMBER: P559118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-935-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	909.4	682.8	482.0	320.4	184.0	65.6	0.0
-25°	870.0	657.4	468.8	312.4	179.0	64.3	0.0
-27.5°	828.7	629.0	454.5	303.5	173.7	63.0	0.0
-30°	785.8	599.3	439.0	293.8	167.8	61.5	0.0
-32.5°	741.4	568.5	420.4	283.1	161.6	59.9	0.0
-35°	699.9	536.6	400.9	271.7	155.0	58.2	0.0
-37.5°	659.4	506.2	380.5	259.4	148.1	56.3	0.0
-40°	618.2	479.4	359.4	246.2	140.7	54.4	0.0
-42.5°	576.5	451.8	338.6	232.1	133.0	52.3	0.0
-45°	534.4	423.4	318.3	217.0	125.0	50.2	0.0
-47.5°	492.0	394.2	297.6	201.4	116.7	48.0	0.0
-50°	455.3	364.4	276.3	187.5	108.1	45.6	0.0
-52.5°	419.1	333.9	254.6	174.0	99.1	43.2	0.0
-55°	382.4	306.1	232.5	160.1	90.0	40.7	0.0
-57.5°	345.1	278.6	210.0	145.9	80.5	38.1	0.0
-60°	308.0	250.8	187.3	131.5	70.9	35.5	0.0
-62.5°	275.2	222.6	168.1	116.7	65.5	32.8	0.0
-65°	242.3	194.2	148.5	101.7	59.9	30.0	0.0
-67.5°	209.3	167.9	128.8	86.5	54.3	27.2	0.0
-70°	176.1	143.6	108.8	71.1	48.5	24.3	0.0
-72.5°	147.0	119.1	88.6	61.2	42.7	21.3	0.0
-75°	118.5	94.5	68.3	52.6	36.7	18.4	0.0
-77.5°	89.8	69.7	55.5	43.9	30.7	15.4	0.0
-80°	61.0	52.5	44.5	35.2	24.6	12.3	0.0
-82.5°	44.5	39.4	33.4	26.4	18.5	9.3	0.0
-85°	29.7	26.3	22.3	17.6	12.4	6.2	0.0
-87.5°	14.8	13.1	11.1	8.8	6.2	3.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)