

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: P558930 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-935-U-WAF-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P558930 (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-SA4C-935-U-WAF-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7  
Light Source: (64) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

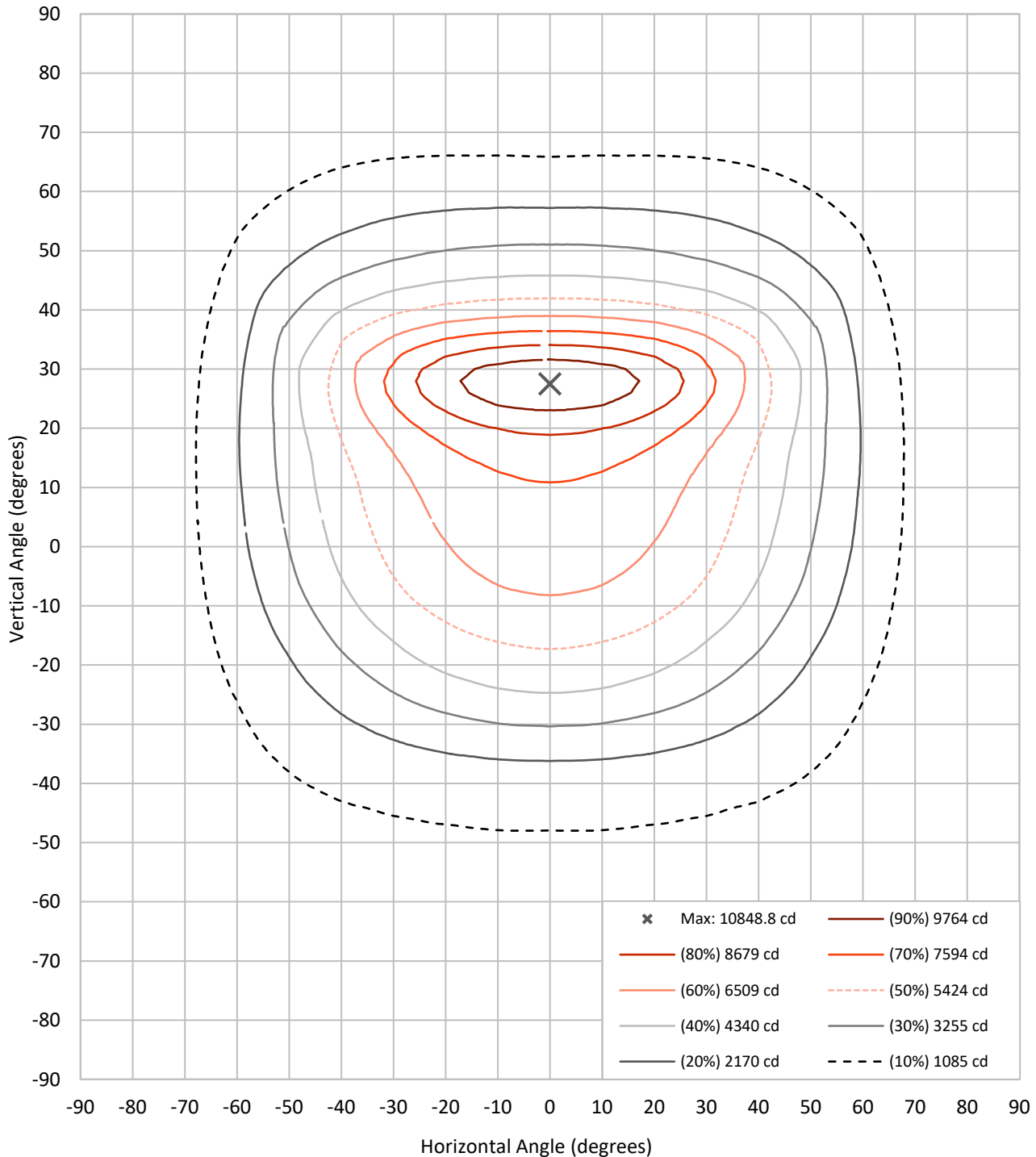
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	15815.6 lumens	Max Intensity:	10848.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	96.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	8202.8 lumens	Field Lumens:	14630.8 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%

Input Watts (W): 164  
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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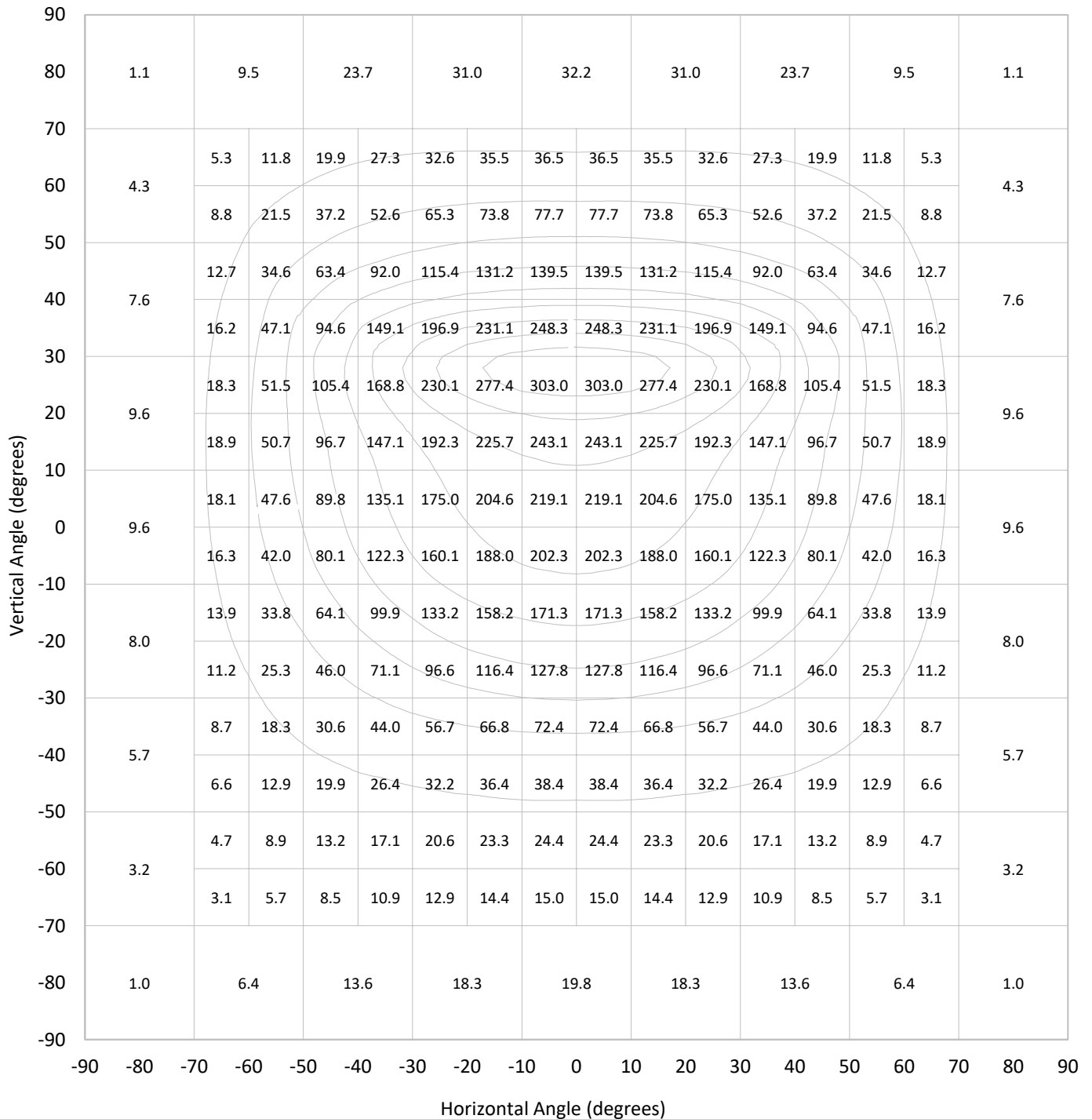
### Iso-Candela Plot





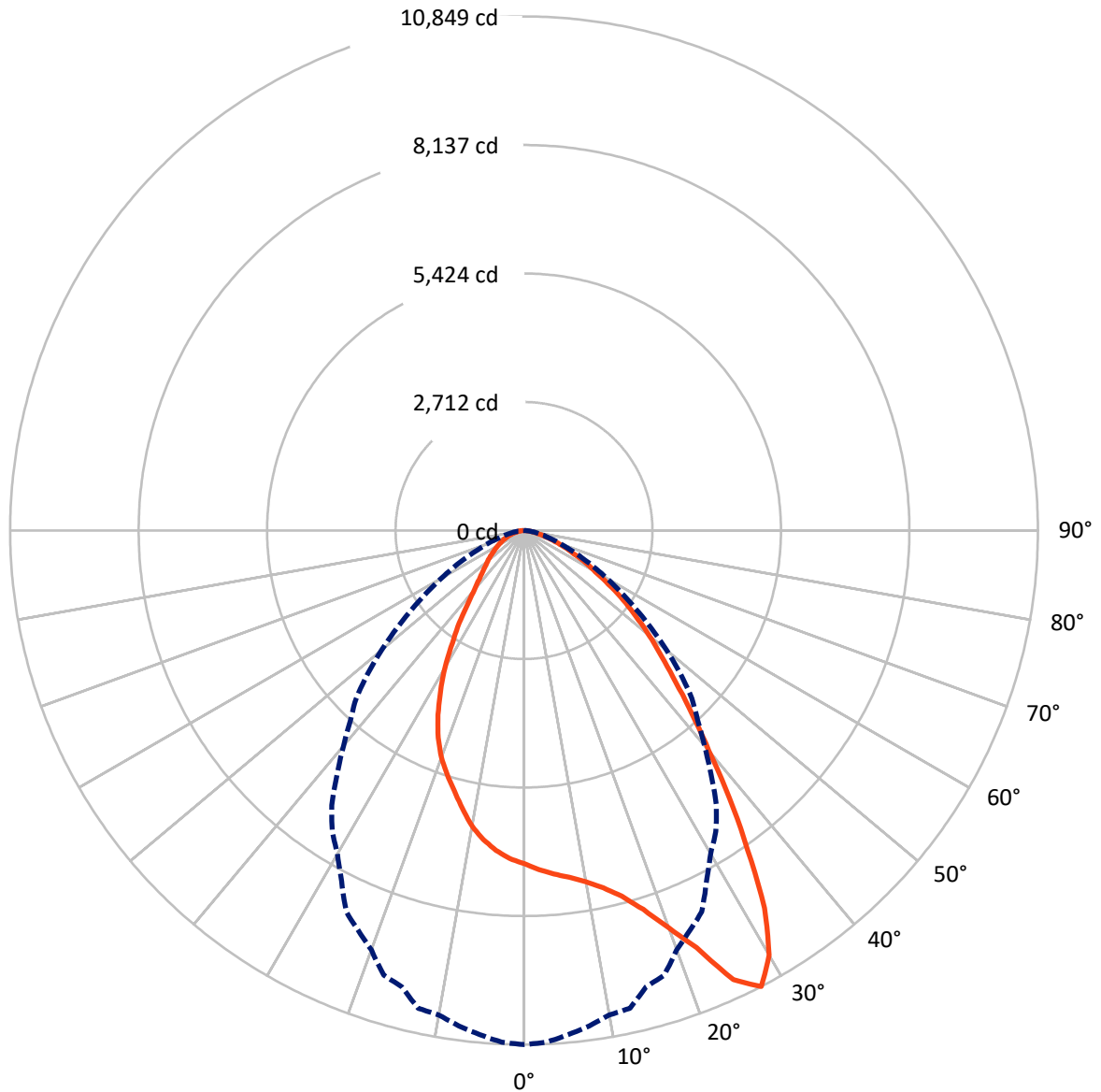
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### Lumen Table



REPORT NUMBER: P558930 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4C-935-U-WAF-XX

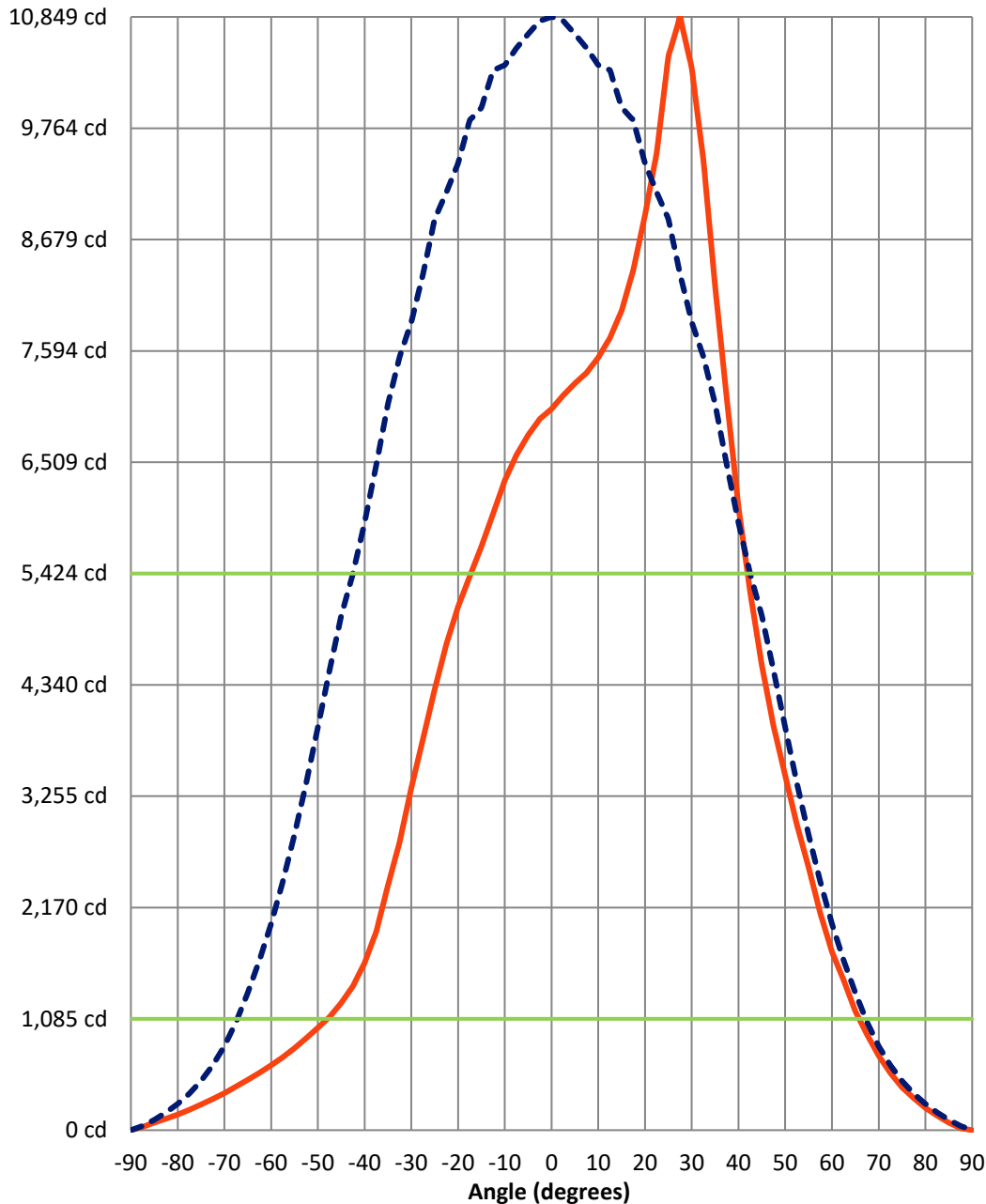
### Luminous Intensity Polar Plot



— 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: 8202.8  
 Efficiency: 51.9%

**Field:**  
 H Angle: 134.5°  
 V Angle: 113.8°  
 Lumens: 14630.8  
 Efficiency: 92.5%

**Spill:**  
 Lumens: 1184.8  
 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	2.1	4.2	6.3	8.3	10.2	12.1	13.9	15.7	17.4	19.1
85°	0.0	4.1	8.4	12.5	16.5	20.4	24.1	27.8	31.4	34.8	38.1
82.5°	0.0	6.2	12.6	18.7	24.7	30.5	36.2	41.7	48.0	58.5	69.4
80°	0.0	8.3	16.8	24.9	32.9	40.6	49.2	62.9	77.2	92.2	107.6
77.5°	0.0	10.3	20.9	31.1	41.0	53.0	69.9	87.7	106.2	125.5	147.9
75°	0.0	12.3	25.0	37.2	49.9	69.5	90.4	112.2	135.6	165.3	195.6
72.5°	0.0	14.3	29.0	43.2	62.5	85.8	110.5	138.1	172.0	206.9	242.6
70°	0.0	16.2	33.0	49.8	74.9	101.7	130.9	168.9	207.8	247.9	294.8
67.5°	0.0	18.2	36.9	58.6	87.0	117.3	156.0	199.0	243.0	295.0	347.4
65°	0.0	20.1	40.7	67.2	98.9	134.7	180.3	228.5	283.7	341.1	402.0
62.5°	0.0	21.9	44.5	75.6	110.4	153.6	203.9	261.3	323.4	387.7	462.1
60°	0.0	23.7	48.1	83.8	121.6	171.8	226.5	294.9	362.0	439.1	520.3
57.5°	0.0	25.5	53.3	91.8	135.1	189.4	252.1	327.1	404.1	488.6	586.8
55°	0.0	27.2	58.3	99.5	148.1	206.1	277.0	357.1	445.6	538.7	654.8
52.5°	0.0	28.8	63.2	106.9	160.6	222.6	300.6	389.0	485.4	594.8	718.9
50°	0.0	30.4	67.8	113.9	172.4	240.7	322.8	419.3	525.5	647.5	795.5
47.5°	0.0	32.0	72.4	121.1	183.7	257.6	343.9	447.6	568.2	696.6	868.7
45°	0.0	33.4	76.7	129.0	194.2	273.5	366.0	473.6	605.5	755.9	936.0
42.5°	0.0	34.8	80.8	136.4	204.1	288.1	386.3	500.9	639.7	810.5	1011.7
40°	0.0	36.2	84.7	143.5	214.2	301.6	404.9	528.3	674.2	859.7	1082.6
37.5°	0.0	37.5	88.4	150.2	224.2	313.9	421.6	553.1	711.4	904.6	1146.2
35°	0.0	38.6	91.9	156.5	233.4	326.1	436.5	575.4	744.2	952.4	1206.1
32.5°	0.0	39.8	95.2	162.3	241.7	337.6	450.9	595.1	772.5	993.3	1259.4
30°	0.0	40.8	98.2	167.7	249.1	347.6	466.2	613.4	796.4	1027.3	1303.6
27.5°	0.0	41.8	101.0	172.6	256.1	356.3	479.5	632.4	818.6	1054.4	1338.8
25°	0.0	42.6	103.6	177.0	262.2	363.6	490.8	647.9	840.2	1079.4	1365.2
22.5°	0.0	43.4	105.9	181.0	267.6	370.0	499.9	660.0	856.5	1099.6	1387.8
20°	0.0	44.2	107.9	184.5	272.0	376.3	507.0	668.7	867.6	1112.6	1402.3
17.5°	0.0	44.8	109.7	187.5	275.6	381.5	513.4	674.1	873.6	1118.8	1409.1
15°	0.0	45.3	111.3	190.0	278.4	385.6	518.6	677.9	874.8	1118.4	1408.1
12.5°	0.0	45.8	112.6	192.1	280.3	388.6	521.8	680.8	874.8	1111.7	1399.8
10°	0.0	46.1	113.6	193.7	281.5	390.5	523.0	680.9	873.4	1108.4	1387.1
7.5°	0.0	46.4	114.4	194.8	281.8	391.3	522.4	678.6	868.2	1101.4	1372.9
5°	0.0	46.6	114.9	195.4	281.5	391.0	520.1	673.8	859.6	1089.6	1351.8
2.5°	0.0	46.7	115.1	195.5	280.4	389.6	516.1	666.7	847.7	1073.4	1324.5
0°	0.0	46.7	115.1	195.2	278.7	387.2	510.6	657.5	832.7	1053.0	1291.6
-2.5°	0.0	46.8	114.8	194.3	277.3	383.5	504.8	647.8	818.0	1030.3	1258.5
-5°	0.0	46.7	114.3	193.0	275.4	378.9	497.5	636.3	800.7	1004.1	1221.2
-7.5°	0.0	46.6	113.5	191.2	272.7	373.3	489.0	622.9	781.0	974.5	1180.0
-10°	0.0	46.4	112.5	189.0	269.5	366.9	479.2	608.0	759.1	942.1	1135.7
-12.5°	0.0	46.1	111.2	186.4	265.7	359.6	468.2	591.6	735.2	907.5	1092.1
-15°	0.0	45.7	109.7	183.3	261.2	351.7	456.1	573.8	710.8	873.5	1047.6
-17.5°	0.0	45.3	108.0	179.9	256.2	343.0	442.9	556.1	686.4	837.5	1000.9
-20°	0.0	44.7	106.0	176.1	250.6	333.8	429.2	538.1	660.6	800.0	952.2



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 CATALOG NUMBER: GFLD-SA4C-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	44.0	103.9	171.9	244.4	324.0	415.5	518.9	633.7	761.2	902.1
-25°	0.0	43.3	101.5	167.4	237.7	314.2	401.0	498.5	605.8	721.5	850.7
-27.5°	0.0	42.4	99.0	162.5	230.5	304.0	385.8	477.0	577.2	682.9	802.0
-30°	0.0	41.5	96.2	157.4	222.7	293.2	369.8	454.5	549.5	647.7	753.4
-32.5°	0.0	40.5	93.3	151.9	214.8	281.8	353.3	433.5	521.9	612.4	705.1
-35°	0.0	39.4	90.1	146.1	206.4	269.7	337.8	412.8	493.5	577.1	657.2
-37.5°	0.0	38.3	86.9	140.0	197.5	257.6	322.5	391.6	464.4	541.9	617.7
-40°	0.0	37.0	83.4	133.7	188.4	246.0	306.6	370.2	434.6	507.7	580.2
-42.5°	0.0	35.7	79.8	127.1	179.2	234.0	290.2	348.4	407.8	474.6	542.1
-45°	0.0	34.3	76.1	120.3	170.2	221.6	273.3	327.3	382.6	441.5	503.7
-47.5°	0.0	32.8	72.2	113.3	160.8	208.8	256.0	307.1	357.4	408.3	467.0
-50°	0.0	31.2	68.2	106.9	151.1	195.8	240.1	286.5	332.6	380.5	430.5
-52.5°	0.0	29.6	64.1	100.7	141.0	182.4	224.3	265.5	308.5	352.1	394.7
-55°	0.0	28.0	59.8	94.4	130.8	169.5	208.2	244.5	284.5	323.3	363.0
-57.5°	0.0	26.2	55.4	87.8	120.2	156.4	191.8	225.8	260.1	295.7	330.9
-60°	0.0	24.4	51.0	81.1	109.5	143.0	175.3	206.9	236.1	268.3	299.2
-62.5°	0.0	22.6	47.2	74.2	100.4	129.4	159.2	187.7	214.4	240.5	268.9
-65°	0.0	20.7	43.3	67.2	91.2	115.6	142.8	168.4	192.5	215.5	238.3
-67.5°	0.0	18.8	39.2	60.0	81.8	102.8	126.2	149.4	170.4	191.0	210.4
-70°	0.0	16.8	35.1	52.8	72.2	91.0	109.4	130.2	149.2	166.4	183.5
-72.5°	0.0	14.8	30.9	46.2	62.5	79.0	94.9	110.9	127.9	143.3	157.0
-75°	0.0	12.7	26.6	39.8	52.7	67.0	80.7	93.9	106.6	120.3	132.5
-77.5°	0.0	10.6	22.3	33.2	43.9	54.8	66.3	77.5	88.1	98.0	107.9
-80°	0.0	8.5	17.9	26.7	35.2	43.5	51.9	61.1	69.8	77.9	85.5
-82.5°	0.0	6.4	13.5	20.0	26.4	32.7	38.8	45.1	51.4	57.8	63.8
-85°	0.0	4.3	9.0	13.4	17.7	21.8	25.9	30.1	34.2	38.3	42.3
-87.5°	0.0	2.1	4.5	6.7	8.8	10.9	13.0	15.1	17.1	19.2	21.2
-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: P558930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-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°	20.1	20.9	21.5	22.0	22.9	23.6	24.2	24.8	25.2	25.6	25.8
85°	40.1	41.8	46.7	51.4	56.3	60.7	64.7	68.2	71.0	73.3	75.2
82.5°	78.3	86.7	94.6	102.0	108.8	114.9	120.8	127.4	132.9	137.4	141.1
80°	120.1	131.5	145.4	158.4	170.1	180.9	190.6	199.5	206.3	213.2	219.9
77.5°	168.8	187.3	204.5	220.4	235.7	253.7	270.2	285.4	297.1	306.0	312.8
75°	221.2	243.1	268.2	293.1	316.5	338.0	358.8	384.2	405.0	420.5	433.0
72.5°	277.1	308.7	339.3	369.1	403.4	436.7	469.1	500.4	527.8	548.0	564.3
70°	337.5	374.1	416.5	459.4	500.7	542.5	587.2	627.8	661.4	685.2	707.8
67.5°	399.2	450.6	500.8	552.5	610.9	664.1	712.9	764.3	809.5	839.4	865.4
65°	470.3	527.9	594.9	663.4	727.5	794.0	855.6	911.3	968.5	1010.0	1044.1
62.5°	539.1	620.0	699.1	779.1	859.8	932.1	1012.5	1084.2	1141.7	1201.1	1252.0
60°	620.7	716.8	813.7	910.3	1000.6	1102.1	1190.3	1273.6	1350.5	1416.7	1479.4
57.5°	702.1	826.2	940.9	1054.2	1173.5	1282.2	1385.8	1479.2	1571.0	1647.7	1722.9
55°	787.7	947.5	1079.8	1219.8	1351.1	1473.8	1590.3	1707.2	1805.1	1910.7	2002.7
52.5°	882.7	1065.3	1236.2	1390.3	1538.4	1679.9	1819.2	1960.0	2097.4	2207.0	2310.9
50°	971.5	1189.1	1394.8	1570.7	1740.9	1908.9	2082.9	2258.9	2410.4	2535.7	2643.9
47.5°	1069.3	1304.2	1565.6	1760.1	1964.3	2172.5	2383.8	2578.2	2743.3	2913.7	3033.2
45°	1164.6	1420.7	1704.3	1974.2	2210.4	2462.6	2695.4	2909.8	3149.0	3335.1	3494.8
42.5°	1251.5	1531.0	1846.7	2190.2	2485.6	2756.2	3008.2	3309.8	3584.6	3802.2	4001.3
40°	1341.1	1631.4	1976.2	2390.8	2760.0	3048.9	3355.5	3688.8	4046.5	4314.3	4552.4
37.5°	1422.9	1734.1	2094.6	2543.9	3030.1	3347.8	3686.8	4048.4	4456.2	4859.0	5145.2
35°	1495.3	1821.0	2212.1	2668.5	3166.2	3637.4	3996.0	4381.1	4827.4	5350.0	5740.9
32.5°	1561.0	1892.0	2305.3	2765.6	3270.6	3823.1	4278.1	4673.4	5121.2	5660.5	6324.2
30°	1614.5	1960.8	2374.8	2835.9	3342.3	3892.5	4470.4	4901.1	5326.0	5855.2	6472.9
27.5°	1655.1	2011.2	2422.6	2879.7	3380.6	3924.8	4480.5	5011.9	5423.3	5921.3	6483.0
25°	1686.2	2052.5	2448.0	2896.0	3386.3	3910.6	4445.4	4948.3	5410.0	5849.1	6353.2
22.5°	1712.0	2081.0	2475.8	2885.0	3360.7	3860.2	4363.2	4842.7	5289.7	5700.7	6134.3
20°	1731.4	2099.2	2489.8	2895.7	3317.8	3778.4	4259.5	4715.8	5147.5	5545.5	5898.4
17.5°	1740.2	2104.6	2489.8	2893.7	3310.6	3713.5	4132.3	4570.9	4995.4	5390.8	5739.5
15°	1738.6	2097.6	2476.1	2878.3	3288.9	3688.0	4073.9	4435.7	4831.0	5230.7	5578.1
12.5°	1727.1	2078.6	2449.1	2849.5	3253.7	3648.0	4026.9	4390.2	4744.6	5079.4	5411.6
10°	1706.1	2048.3	2409.5	2807.4	3204.9	3593.4	3967.5	4332.0	4682.7	5011.4	5320.6
7.5°	1684.6	2014.3	2361.9	2752.4	3142.7	3524.4	3895.0	4260.2	4604.1	4932.1	5244.4
5°	1656.2	1978.3	2325.6	2699.6	3075.9	3448.3	3811.0	4174.3	4509.1	4840.1	5153.6
2.5°	1620.1	1933.6	2279.8	2635.7	3001.1	3369.6	3720.1	4076.7	4419.9	4738.0	5046.9
0°	1577.0	1880.7	2224.5	2559.9	2913.7	3277.5	3614.6	3963.4	4320.5	4620.9	4922.9
-2.5°	1530.0	1817.3	2143.9	2477.6	2819.5	3176.4	3522.0	3852.6	4201.9	4505.5	4813.9
-5°	1477.4	1747.3	2054.9	2384.8	2714.3	3062.1	3414.2	3728.6	4062.3	4362.5	4665.9
-7.5°	1419.8	1671.8	1958.6	2280.5	2594.5	2922.5	3256.0	3558.4	3882.8	4179.7	4475.3
-10°	1359.1	1597.2	1864.9	2162.7	2458.7	2764.4	3077.7	3373.8	3685.7	3981.5	4265.8
-12.5°	1300.9	1523.7	1768.4	2039.2	2315.4	2597.9	2889.2	3175.1	3471.0	3768.2	4034.0
-15°	1239.8	1446.5	1668.7	1911.5	2165.8	2424.3	2691.9	2962.5	3240.1	3530.9	3776.4
-17.5°	1176.7	1366.2	1567.0	1780.9	2010.9	2245.0	2491.0	2752.2	3006.3	3271.1	3508.6
-20°	1112.1	1283.6	1464.4	1648.7	1853.1	2077.6	2307.7	2542.0	2772.9	3003.6	3226.6



REPORT NUMBER: P558930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-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°	1046.7	1199.2	1363.7	1525.9	1720.3	1923.0	2124.9	2328.3	2535.5	2734.1	2945.1
-25°	983.5	1120.9	1266.2	1423.8	1590.7	1769.4	1942.8	2114.8	2298.5	2484.7	2666.3
-27.5°	922.5	1043.7	1180.9	1321.5	1460.6	1619.6	1771.4	1917.2	2077.5	2241.6	2388.4
-30°	861.4	976.5	1096.7	1221.4	1343.8	1476.5	1607.8	1735.6	1866.2	2006.8	2133.9
-32.5°	804.7	909.8	1019.2	1128.5	1232.3	1335.3	1456.7	1570.2	1677.1	1777.3	1888.2
-35°	752.9	849.3	944.3	1038.6	1124.1	1214.7	1316.2	1411.8	1497.5	1578.0	1662.8
-37.5°	704.1	789.9	869.9	954.2	1030.2	1107.8	1182.4	1265.2	1334.7	1399.0	1468.6
-40°	655.1	731.8	803.9	874.2	944.0	1008.7	1072.4	1128.8	1184.7	1246.5	1294.3
-42.5°	606.9	678.1	742.6	796.6	862.3	918.2	967.6	1014.3	1060.1	1108.2	1146.6
-45°	564.3	625.0	683.8	735.5	784.8	832.4	874.4	911.1	954.4	987.8	1016.8
-47.5°	521.3	573.9	627.7	675.5	716.6	755.3	786.5	823.4	858.8	887.6	904.5
-50°	479.0	527.1	572.7	617.2	654.5	685.6	712.5	742.8	772.3	796.7	812.8
-52.5°	440.1	480.2	522.4	560.3	594.8	622.6	648.3	674.6	696.2	713.0	734.1
-55°	401.6	438.6	473.8	507.8	537.3	562.8	587.9	611.3	629.8	644.3	661.7
-57.5°	365.5	398.9	429.6	458.1	484.5	506.4	530.9	551.0	568.2	581.7	599.7
-60°	330.3	360.1	388.1	412.9	434.6	456.2	476.1	494.5	509.6	523.0	539.5
-62.5°	295.3	322.3	347.4	370.3	390.0	407.8	425.8	441.5	454.0	468.0	481.6
-65°	262.5	285.2	307.3	328.1	346.7	363.7	378.5	391.2	403.0	415.3	426.3
-67.5°	229.8	251.0	269.4	286.0	303.2	319.7	333.4	345.1	355.0	365.0	374.3
-70°	200.5	217.3	234.2	249.1	262.2	275.9	289.3	300.3	309.1	317.1	324.6
-72.5°	171.7	186.6	200.6	213.4	225.3	236.4	246.9	256.8	265.0	271.2	276.6
-75°	144.3	156.0	168.0	179.2	188.9	197.5	205.6	213.5	220.2	225.5	229.8
-77.5°	118.2	127.9	137.2	145.8	152.8	159.6	165.8	171.6	176.8	180.8	183.7
-80°	92.8	99.9	107.4	114.4	119.8	124.4	128.4	131.8	135.6	139.5	142.8
-82.5°	69.1	74.2	79.1	83.9	87.7	90.9	93.6	96.2	99.0	101.5	103.7
-85°	45.5	48.4	51.4	54.3	57.2	59.7	61.9	63.7	65.2	66.5	67.5
-87.5°	22.7	24.2	25.5	26.8	28.2	29.5	30.7	31.9	32.6	33.2	33.8
-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):**

	-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°	26.0	26.0	26.0	25.9	25.7	24.7	23.5	22.3	21.0	21.6	22.2
85°	76.5	76.8	76.6	75.8	74.6	74.5	74.2	73.8	73.1	74.2	75.1
82.5°	144.0	145.1	145.2	144.5	143.0	143.7	144.0	143.7	142.8	143.8	144.5
80°	225.1	227.2	227.3	225.7	222.6	223.1	223.3	222.7	221.2	221.6	221.5
77.5°	320.6	325.5	327.2	326.5	323.4	322.5	320.4	316.0	309.6	309.4	309.6
75°	442.4	447.5	450.1	449.9	447.0	445.0	442.2	437.2	430.1	429.8	429.8
72.5°	576.9	584.3	587.7	590.7	590.7	589.6	586.0	578.5	567.4	566.1	567.5
70°	725.5	738.0	745.9	752.0	756.8	757.8	755.5	749.4	739.8	737.2	736.4
67.5°	890.9	910.9	926.0	936.1	945.5	952.3	954.9	952.2	944.4	941.8	942.9
65°	1076.3	1107.1	1132.6	1151.6	1164.4	1173.5	1181.3	1186.1	1187.2	1190.0	1193.7
62.5°	1292.9	1330.7	1366.1	1390.3	1402.7	1411.5	1436.9	1451.6	1455.8	1456.7	1462.3
60°	1534.7	1582.6	1626.8	1662.3	1691.0	1712.6	1734.3	1748.6	1754.0	1755.0	1762.8
57.5°	1799.2	1859.3	1911.0	1966.0	2004.3	2026.5	2055.4	2085.2	2100.8	2105.3	2123.6
55°	2091.8	2173.8	2240.8	2299.6	2353.2	2400.2	2440.0	2470.8	2493.5	2507.1	2531.4
52.5°	2415.3	2511.7	2581.8	2650.8	2727.6	2781.7	2817.1	2873.9	2915.0	2937.7	2966.6
50°	2770.6	2878.0	2973.5	3045.9	3135.2	3209.1	3263.0	3316.7	3354.4	3375.9	3403.9
47.5°	3175.0	3307.2	3418.1	3485.2	3588.8	3675.9	3711.0	3751.6	3822.5	3856.6	3886.6
45°	3630.3	3799.0	3922.2	4027.1	4116.2	4213.8	4277.8	4324.0	4393.9	4428.9	4451.0
42.5°	4172.0	4359.7	4522.0	4648.0	4722.9	4849.5	4942.0	4967.9	5066.9	5134.1	5153.8
40°	4779.6	4987.6	5201.8	5345.4	5466.0	5594.6	5747.0	5831.9	5915.6	5981.4	5996.3
37.5°	5412.7	5691.3	5935.6	6121.1	6320.4	6510.2	6671.7	6759.7	6814.6	6940.6	6987.6
35°	6056.4	6343.8	6686.1	6974.3	7215.9	7450.1	7634.4	7779.5	7917.7	8031.1	8098.9
32.5°	6604.5	6913.7	7336.5	7767.9	8028.7	8282.4	8585.1	8751.1	8935.5	9084.9	9193.9
30°	7054.8	7348.9	7733.7	8275.1	8632.3	8889.4	9272.5	9502.1	9702.9	9956.0	10044.1
27.5°	7076.2	7535.8	7876.1	8342.4	8878.3	9139.3	9422.8	9840.1	9966.7	10327.7	10379.7
25°	6890.5	7373.0	7722.8	8112.0	8557.6	8875.1	9134.0	9480.9	9662.6	9894.8	10073.1
22.5°	6600.0	7025.2	7382.0	7712.1	8059.8	8348.9	8585.5	8829.4	9028.8	9208.9	9376.3
20°	6279.1	6682.8	7021.2	7305.0	7580.5	7848.5	8061.4	8266.3	8438.7	8593.3	8688.5
17.5°	6053.2	6343.6	6689.3	6980.1	7218.9	7429.3	7649.5	7820.9	7972.2	8111.3	8198.4
15°	5898.9	6175.1	6421.2	6688.0	6939.8	7140.3	7306.1	7483.0	7613.7	7733.5	7827.8
12.5°	5738.7	6023.4	6281.0	6503.1	6700.2	6919.2	7096.4	7235.6	7372.7	7466.8	7563.7
10°	5605.0	5871.3	6138.5	6373.1	6580.5	6760.9	6928.7	7084.7	7207.8	7313.4	7389.7
7.5°	5527.4	5788.6	6028.6	6253.8	6455.9	6648.2	6821.2	6964.3	7086.3	7195.5	7275.4
5°	5437.4	5695.9	5935.5	6165.6	6359.8	6544.5	6716.9	6864.1	6990.3	7087.6	7164.1
2.5°	5334.2	5589.2	5828.2	6062.1	6256.2	6434.4	6597.5	6741.1	6872.6	6965.3	7030.4
0°	5216.6	5472.0	5705.6	5925.9	6121.1	6313.0	6463.2	6608.4	6736.9	6828.7	6893.8
-2.5°	5098.0	5351.8	5593.6	5804.6	5998.5	6175.7	6335.6	6472.6	6595.4	6686.7	6743.9
-5°	4940.4	5192.6	5431.2	5643.9	5846.4	6024.3	6179.7	6319.1	6437.4	6537.0	6614.5
-7.5°	4749.5	5004.6	5243.0	5460.1	5661.6	5829.7	5978.9	6119.4	6245.7	6354.5	6449.8
-10°	4539.6	4791.9	5017.2	5220.5	5408.3	5579.1	5737.9	5876.8	5992.4	6099.0	6179.3
-12.5°	4295.2	4528.8	4749.1	4949.6	5133.1	5304.2	5455.2	5587.5	5703.9	5798.4	5870.7
-15°	4025.5	4247.2	4455.9	4660.8	4853.0	5021.5	5154.3	5293.7	5394.6	5486.3	5551.4
-17.5°	3737.0	3951.3	4170.8	4376.3	4553.7	4719.9	4866.0	4993.4	5099.3	5183.4	5256.9
-20°	3444.5	3662.9	3874.1	4069.9	4240.5	4394.6	4542.6	4664.9	4773.4	4864.9	4951.1



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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°	3150.8	3351.0	3549.3	3740.9	3902.2	4047.9	4177.5	4294.5	4390.3	4498.1	4574.3
-25°	2849.0	3024.6	3203.6	3372.8	3525.4	3668.6	3786.0	3888.6	3988.5	4092.6	4166.8
-27.5°	2545.9	2701.0	2846.5	2996.2	3129.8	3253.9	3362.9	3452.7	3549.6	3619.1	3700.7
-30°	2246.0	2386.8	2508.1	2612.3	2737.9	2844.4	2929.2	3018.4	3098.5	3164.9	3233.7
-32.5°	1992.2	2088.4	2185.3	2272.4	2356.0	2443.5	2511.9	2589.7	2644.6	2701.8	2757.3
-35°	1748.2	1822.3	1886.6	1968.1	2030.7	2078.4	2135.4	2192.5	2214.5	2276.7	2309.8
-37.5°	1527.2	1575.9	1635.9	1692.7	1739.2	1774.7	1825.5	1855.4	1871.2	1911.4	1933.0
-40°	1338.1	1368.8	1424.9	1463.6	1491.6	1517.4	1559.6	1579.0	1600.5	1620.6	1621.2
-42.5°	1171.7	1211.3	1249.2	1279.7	1297.3	1326.8	1346.7	1348.9	1376.7	1394.5	1397.3
-45°	1035.6	1075.8	1105.9	1128.3	1145.9	1171.2	1184.0	1191.2	1213.9	1226.0	1231.3
-47.5°	931.1	959.2	985.3	1002.5	1025.7	1044.4	1053.8	1065.7	1083.2	1094.3	1102.2
-50°	839.2	861.5	881.3	897.1	920.2	936.9	945.8	960.5	973.6	981.6	987.8
-52.5°	758.4	778.2	792.0	807.3	826.5	841.3	852.7	867.3	878.1	885.2	890.7
-55°	682.7	701.4	714.8	731.5	745.2	755.1	764.8	779.1	789.7	796.9	801.6
-57.5°	616.0	630.0	643.2	658.3	671.4	682.1	690.9	698.7	705.7	711.6	716.2
-60°	553.4	564.8	576.9	588.8	598.6	606.4	615.7	622.9	627.4	630.2	634.0
-62.5°	493.3	503.6	514.3	523.9	531.7	538.2	545.7	551.6	555.8	558.8	561.0
-65°	436.1	445.0	454.1	462.0	468.8	474.5	479.8	483.9	486.8	489.4	491.3
-67.5°	382.7	389.7	396.0	401.5	406.6	411.4	416.1	419.3	421.0	423.0	425.1
-70°	331.1	336.7	340.9	344.2	347.2	351.0	355.5	358.6	360.4	362.4	364.3
-72.5°	281.3	285.3	288.8	291.5	293.2	295.6	298.7	301.3	303.2	304.7	305.4
-75°	233.2	236.6	239.6	241.7	243.0	244.7	246.3	247.1	247.3	247.9	248.3
-77.5°	186.2	189.5	192.4	194.4	195.6	197.0	198.2	198.8	198.9	199.0	198.6
-80°	145.4	147.6	149.5	150.9	151.8	152.8	153.4	153.5	153.2	153.5	153.6
-82.5°	105.6	107.6	109.3	110.5	111.4	112.4	113.2	113.8	114.1	114.2	114.1
-85°	68.3	69.3	70.1	70.9	71.7	72.1	72.4	72.4	72.3	72.3	72.2
-87.5°	34.2	33.8	33.2	32.5	31.7	32.0	32.1	32.2	32.3	32.6	32.9
-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: P558930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-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°	22.8	23.3	21.7	20.0	21.7	23.3	22.8	22.2	21.6	21.0	22.3
85°	75.9	76.4	75.0	73.4	75.0	76.4	75.9	75.1	74.2	73.1	73.8
82.5°	144.7	144.4	143.3	141.8	143.3	144.4	144.7	144.5	143.8	142.8	143.7
80°	220.7	219.2	218.3	216.9	218.3	219.2	220.7	221.5	221.6	221.2	222.7
77.5°	308.8	307.2	309.9	312.1	309.9	307.2	308.8	309.6	309.4	309.6	316.0
75°	428.2	424.9	421.7	417.2	421.7	424.9	428.2	429.8	429.8	430.1	437.2
72.5°	566.8	564.2	561.7	557.4	561.7	564.2	566.8	567.5	566.1	567.4	578.5
70°	732.0	724.2	725.5	725.9	725.5	724.2	732.0	736.4	737.2	739.8	749.4
67.5°	939.9	932.8	933.7	932.9	933.7	932.8	939.9	942.9	941.8	944.4	952.2
65°	1191.4	1183.5	1173.9	1159.8	1173.9	1183.5	1191.4	1193.7	1190.0	1187.2	1186.1
62.5°	1461.6	1454.6	1458.7	1461.9	1458.7	1454.6	1461.6	1462.3	1456.7	1455.8	1451.6
60°	1761.5	1751.7	1746.8	1738.9	1746.8	1751.7	1761.5	1762.8	1755.0	1754.0	1748.6
57.5°	2132.0	2130.2	2125.9	2114.4	2125.9	2130.2	2132.0	2123.6	2105.3	2100.8	2085.2
55°	2542.8	2540.5	2550.0	2561.6	2550.0	2540.5	2542.8	2531.4	2507.1	2493.5	2470.8
52.5°	2988.0	2995.5	2992.8	2977.1	2992.8	2995.5	2988.0	2966.6	2937.7	2915.0	2873.9
50°	3428.6	3437.1	3446.1	3454.4	3446.1	3437.1	3428.6	3403.9	3375.9	3354.4	3316.7
47.5°	3928.0	3950.3	3954.1	3938.3	3954.1	3950.3	3928.0	3886.6	3856.6	3822.5	3751.6
45°	4495.4	4508.8	4515.6	4529.1	4515.6	4508.8	4495.4	4451.0	4428.9	4393.9	4324.0
42.5°	5210.8	5226.3	5228.7	5243.3	5228.7	5226.3	5210.8	5153.8	5134.1	5066.9	4967.9
40°	6059.8	6085.0	6080.7	6074.4	6080.7	6085.0	6059.8	5996.3	5981.4	5915.6	5831.9
37.5°	7053.8	7096.5	7101.0	7127.4	7101.0	7096.5	7053.8	6987.6	6940.6	6814.6	6759.7
35°	8169.2	8219.6	8210.9	8223.8	8210.9	8219.6	8169.2	8098.9	8031.1	7917.7	7779.5
32.5°	9294.4	9369.9	9385.1	9448.7	9385.1	9369.9	9294.4	9193.9	9084.9	8935.5	8751.1
30°	10178.5	10284.3	10353.4	10348.1	10353.4	10284.3	10178.5	10044.1	9956.0	9702.9	9502.1
27.5°	10544.7	10681.7	10810.0	10848.8	10810.0	10681.7	10544.7	10379.7	10327.7	9966.7	9840.1
25°	10187.4	10287.5	10400.9	10461.6	10400.9	10287.5	10187.4	10073.1	9894.8	9662.6	9480.9
22.5°	9453.2	9518.4	9557.0	9525.4	9557.0	9518.4	9453.2	9376.3	9208.9	9028.8	8829.4
20°	8787.0	8869.5	8884.8	8918.0	8884.8	8869.5	8787.0	8688.5	8593.3	8438.7	8266.3
17.5°	8291.1	8345.2	8376.9	8384.0	8376.9	8345.2	8291.1	8198.4	8111.3	7972.2	7820.9
15°	7902.5	7945.8	7974.2	7986.8	7974.2	7945.8	7902.5	7827.8	7733.5	7613.7	7483.0
12.5°	7627.2	7679.9	7705.8	7721.5	7705.8	7679.9	7627.2	7563.7	7466.8	7372.7	7235.6
10°	7450.6	7501.5	7522.0	7529.6	7522.0	7501.5	7450.6	7389.7	7313.4	7207.8	7084.7
7.5°	7323.7	7356.4	7370.3	7381.0	7370.3	7356.4	7323.7	7275.4	7195.5	7086.3	6964.3
5°	7221.5	7247.5	7262.1	7277.6	7262.1	7247.5	7221.5	7164.1	7087.6	6990.3	6864.1
2.5°	7082.2	7119.4	7145.2	7160.8	7145.2	7119.4	7082.2	7030.4	6965.3	6872.6	6741.1
0°	6945.5	6980.5	6998.9	7028.9	6998.9	6980.5	6945.5	6893.8	6828.7	6736.9	6608.4
-2.5°	6795.1	6835.7	6883.9	6930.5	6883.9	6835.7	6795.1	6743.9	6686.7	6595.4	6472.6
-5°	6680.1	6733.7	6743.8	6773.6	6743.8	6733.7	6680.1	6614.5	6537.0	6437.4	6319.1
-7.5°	6506.6	6531.1	6572.7	6580.0	6572.7	6531.1	6506.6	6449.8	6354.5	6245.7	6119.4
-10°	6239.3	6279.0	6304.9	6331.4	6304.9	6279.0	6239.3	6179.3	6099.0	5992.4	5876.8
-12.5°	5925.1	5971.8	6013.5	6007.6	6013.5	5971.8	5925.1	5870.7	5798.4	5703.9	5587.5
-15°	5619.0	5664.1	5692.8	5688.9	5692.8	5664.1	5619.0	5551.4	5486.3	5394.6	5293.7
-17.5°	5315.2	5356.4	5397.8	5396.9	5397.8	5356.4	5315.2	5256.9	5183.4	5099.3	4993.4
-20°	5001.5	5036.8	5081.2	5099.8	5081.2	5036.8	5001.5	4951.1	4864.9	4773.4	4664.9



REPORT NUMBER: P558930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-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°	4638.8	4683.9	4716.2	4736.0	4716.2	4683.9	4638.8	4574.3	4498.1	4390.3	4294.5
-25°	4216.0	4262.3	4286.8	4295.5	4286.8	4262.3	4216.0	4166.8	4092.6	3988.5	3888.6
-27.5°	3748.8	3800.8	3826.0	3813.2	3826.0	3800.8	3748.8	3700.7	3619.1	3549.6	3452.7
-30°	3269.8	3303.1	3307.0	3335.9	3307.0	3303.1	3269.8	3233.7	3164.9	3098.5	3018.4
-32.5°	2797.2	2819.5	2806.8	2808.6	2806.8	2819.5	2797.2	2757.3	2701.8	2644.6	2589.7
-35°	2330.4	2348.2	2351.8	2384.7	2351.8	2348.2	2330.4	2309.8	2276.7	2214.5	2192.5
-37.5°	1955.3	1962.4	1951.5	1935.8	1951.5	1962.4	1955.3	1933.0	1911.4	1871.2	1855.4
-40°	1637.1	1642.6	1638.6	1630.4	1638.6	1642.6	1637.1	1621.2	1620.6	1600.5	1579.0
-42.5°	1408.1	1408.2	1404.4	1403.4	1404.4	1408.2	1408.1	1397.3	1394.5	1376.7	1348.9
-45°	1239.0	1240.8	1240.5	1239.9	1240.5	1240.8	1239.0	1231.3	1226.0	1213.9	1191.2
-47.5°	1107.9	1108.2	1106.5	1103.1	1106.5	1108.2	1107.9	1102.2	1094.3	1083.2	1065.7
-50°	991.7	991.7	993.9	997.9	993.9	991.7	991.7	987.8	981.6	973.6	960.5
-52.5°	893.6	893.3	894.6	896.1	894.6	893.3	893.6	890.7	885.2	878.1	867.3
-55°	803.8	803.3	802.1	799.3	802.1	803.3	803.8	801.6	796.9	789.7	779.1
-57.5°	717.9	716.9	714.7	710.9	714.7	716.9	717.9	716.2	711.6	705.7	698.7
-60°	636.1	636.4	635.4	632.5	635.4	636.4	636.1	634.0	630.2	627.4	622.9
-62.5°	561.5	560.4	560.1	559.0	560.1	560.4	561.5	561.0	558.8	555.8	551.6
-65°	491.7	490.5	490.9	490.6	490.9	490.5	491.7	491.3	489.4	486.8	483.9
-67.5°	425.9	425.5	425.9	425.5	425.9	425.5	425.9	425.1	423.0	421.0	419.3
-70°	365.3	365.4	363.5	360.5	363.5	365.4	365.3	364.3	362.4	360.4	358.6
-72.5°	305.2	304.1	304.2	303.7	304.2	304.1	305.2	305.4	304.7	303.2	301.3
-75°	248.2	247.5	249.1	250.3	249.1	247.5	248.2	248.3	247.9	247.3	247.1
-77.5°	197.6	196.2	197.5	198.6	197.5	196.2	197.6	198.6	199.0	198.9	198.8
-80°	153.4	152.9	152.6	151.9	152.6	152.9	153.4	153.6	153.5	153.2	153.5
-82.5°	113.7	113.0	112.5	111.8	112.5	113.0	113.7	114.1	114.2	114.1	113.8
-85°	72.0	71.5	72.5	73.4	72.5	71.5	72.0	72.2	72.3	72.3	72.4
-87.5°	33.1	33.3	32.5	31.7	32.5	33.3	33.1	32.9	32.6	32.3	32.2
-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: P558930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-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°	23.5	24.7	25.7	25.9	26.0	26.0	26.0	25.8	25.6	25.2	24.8
85°	74.2	74.5	74.6	75.8	76.6	76.8	76.5	75.2	73.3	71.0	68.2
82.5°	144.0	143.7	143.0	144.5	145.2	145.1	144.0	141.1	137.4	132.9	127.4
80°	223.3	223.1	222.6	225.7	227.3	227.2	225.1	219.9	213.2	206.3	199.5
77.5°	320.4	322.5	323.4	326.5	327.2	325.5	320.6	312.8	306.0	297.1	285.4
75°	442.2	445.0	447.0	449.9	450.1	447.5	442.4	433.0	420.5	405.0	384.2
72.5°	586.0	589.6	590.7	590.7	587.7	584.3	576.9	564.3	548.0	527.8	500.4
70°	755.5	757.8	756.8	752.0	745.9	738.0	725.5	707.8	685.2	661.4	627.8
67.5°	954.9	952.3	945.5	936.1	926.0	910.9	890.9	865.4	839.4	809.5	764.3
65°	1181.3	1173.5	1164.4	1151.6	1132.6	1107.1	1076.3	1044.1	1010.0	968.5	911.3
62.5°	1436.9	1411.5	1402.7	1390.3	1366.1	1330.7	1292.9	1252.0	1201.1	1141.7	1084.2
60°	1734.3	1712.6	1691.0	1662.3	1626.8	1582.6	1534.7	1479.4	1416.7	1350.5	1273.6
57.5°	2055.4	2026.5	2004.3	1966.0	1911.0	1859.3	1799.2	1722.9	1647.7	1571.0	1479.2
55°	2440.0	2400.2	2353.2	2299.6	2240.8	2173.8	2091.8	2002.7	1910.7	1805.1	1707.2
52.5°	2817.1	2781.7	2727.6	2650.8	2581.8	2511.7	2415.3	2310.9	2207.0	2097.4	1960.0
50°	3263.0	3209.1	3135.2	3045.9	2973.5	2878.0	2770.6	2643.9	2535.7	2410.4	2258.9
47.5°	3711.0	3675.9	3588.8	3485.2	3418.1	3307.2	3175.0	3033.2	2913.7	2743.3	2578.2
45°	4277.8	4213.8	4116.2	4027.1	3922.2	3799.0	3630.3	3494.8	3335.1	3149.0	2909.8
42.5°	4942.0	4849.5	4722.9	4648.0	4522.0	4359.7	4172.0	4001.3	3802.2	3584.6	3309.8
40°	5747.0	5594.6	5466.0	5345.4	5201.8	4987.6	4779.6	4552.4	4314.3	4046.5	3688.8
37.5°	6671.7	6510.2	6320.4	6121.1	5935.6	5691.3	5412.7	5145.2	4859.0	4456.2	4048.4
35°	7634.4	7450.1	7215.9	6974.3	6686.1	6343.8	6056.4	5740.9	5350.0	4827.4	4381.1
32.5°	8585.1	8282.4	8028.7	7767.9	7336.5	6913.7	6604.5	6324.2	5660.5	5121.2	4673.4
30°	9272.5	8889.4	8632.3	8275.1	7733.7	7348.9	7054.8	6472.9	5855.2	5326.0	4901.1
27.5°	9422.8	9139.3	8878.3	8342.4	7876.1	7535.8	7076.2	6483.0	5921.3	5423.3	5011.9
25°	9134.0	8875.1	8557.6	8112.0	7722.8	7373.0	6890.5	6353.2	5849.1	5410.0	4948.3
22.5°	8585.5	8348.9	8059.8	7712.1	7382.0	7025.2	6600.0	6134.3	5700.7	5289.7	4842.7
20°	8061.4	7848.5	7580.5	7305.0	7021.2	6682.8	6279.1	5898.4	5545.5	5147.5	4715.8
17.5°	7649.5	7429.3	7218.9	6980.1	6689.3	6343.6	6053.2	5739.5	5390.8	4995.4	4570.9
15°	7306.1	7140.3	6939.8	6688.0	6421.2	6175.1	5898.9	5578.1	5230.7	4831.0	4435.7
12.5°	7096.4	6919.2	6700.2	6503.1	6281.0	6023.4	5738.7	5411.6	5079.4	4744.6	4390.2
10°	6928.7	6760.9	6580.5	6373.1	6138.5	5871.3	5605.0	5320.6	5011.4	4682.7	4332.0
7.5°	6821.2	6648.2	6455.9	6253.8	6028.6	5788.6	5527.4	5244.4	4932.1	4604.1	4260.2
5°	6716.9	6544.5	6359.8	6165.6	5935.5	5695.9	5437.4	5153.6	4840.1	4509.1	4174.3
2.5°	6597.5	6434.4	6256.2	6062.1	5828.2	5589.2	5334.2	5046.9	4738.0	4419.9	4076.7
0°	6463.2	6313.0	6121.1	5925.9	5705.6	5472.0	5216.6	4922.9	4620.9	4320.5	3963.4
-2.5°	6335.6	6175.7	5998.5	5804.6	5593.6	5351.8	5098.0	4813.9	4505.5	4201.9	3852.6
-5°	6179.7	6024.3	5846.4	5643.9	5431.2	5192.6	4940.4	4665.9	4362.5	4062.3	3728.6
-7.5°	5978.9	5829.7	5661.6	5460.1	5243.0	5004.6	4749.5	4475.3	4179.7	3882.8	3558.4
-10°	5737.9	5579.1	5408.3	5220.5	5017.2	4791.9	4539.6	4265.8	3981.5	3685.7	3373.8
-12.5°	5455.2	5304.2	5133.1	4949.6	4749.1	4528.8	4295.2	4034.0	3768.2	3471.0	3175.1
-15°	5154.3	5021.5	4853.0	4660.8	4455.9	4247.2	4025.5	3776.4	3530.9	3240.1	2962.5
-17.5°	4866.0	4719.9	4553.7	4376.3	4170.8	3951.3	3737.0	3508.6	3271.1	3006.3	2752.2
-20°	4542.6	4394.6	4240.5	4069.9	3874.1	3662.9	3444.5	3226.6	3003.6	2772.9	2542.0



REPORT NUMBER: P558930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-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°	4177.5	4047.9	3902.2	3740.9	3549.3	3351.0	3150.8	2945.1	2734.1	2535.5	2328.3
-25°	3786.0	3668.6	3525.4	3372.8	3203.6	3024.6	2849.0	2666.3	2484.7	2298.5	2114.8
-27.5°	3362.9	3253.9	3129.8	2996.2	2846.5	2701.0	2545.9	2388.4	2241.6	2077.5	1917.2
-30°	2929.2	2844.4	2737.9	2612.3	2508.1	2386.8	2246.0	2133.9	2006.8	1866.2	1735.6
-32.5°	2511.9	2443.5	2356.0	2272.4	2185.3	2088.4	1992.2	1888.2	1777.3	1677.1	1570.2
-35°	2135.4	2078.4	2030.7	1968.1	1886.6	1822.3	1748.2	1662.8	1578.0	1497.5	1411.8
-37.5°	1825.5	1774.7	1739.2	1692.7	1635.9	1575.9	1527.2	1468.6	1399.0	1334.7	1265.2
-40°	1559.6	1517.4	1491.6	1463.6	1424.9	1368.8	1338.1	1294.3	1246.5	1184.7	1128.8
-42.5°	1346.7	1326.8	1297.3	1279.7	1249.2	1211.3	1171.7	1146.6	1108.2	1060.1	1014.3
-45°	1184.0	1171.2	1145.9	1128.3	1105.9	1075.8	1035.6	1016.8	987.8	954.4	911.1
-47.5°	1053.8	1044.4	1025.7	1002.5	985.3	959.2	931.1	904.5	887.6	858.8	823.4
-50°	945.8	936.9	920.2	897.1	881.3	861.5	839.2	812.8	796.7	772.3	742.8
-52.5°	852.7	841.3	826.5	807.3	792.0	778.2	758.4	734.1	713.0	696.2	674.6
-55°	764.8	755.1	745.2	731.5	714.8	701.4	682.7	661.7	644.3	629.8	611.3
-57.5°	690.9	682.1	671.4	658.3	643.2	630.0	616.0	599.7	581.7	568.2	551.0
-60°	615.7	606.4	598.6	588.8	576.9	564.8	553.4	539.5	523.0	509.6	494.5
-62.5°	545.7	538.2	531.7	523.9	514.3	503.6	493.3	481.6	468.0	454.0	441.5
-65°	479.8	474.5	468.8	462.0	454.1	445.0	436.1	426.3	415.3	403.0	391.2
-67.5°	416.1	411.4	406.6	401.5	396.0	389.7	382.7	374.3	365.0	355.0	345.1
-70°	355.5	351.0	347.2	344.2	340.9	336.7	331.1	324.6	317.1	309.1	300.3
-72.5°	298.7	295.6	293.2	291.5	288.8	285.3	281.3	276.6	271.2	265.0	256.8
-75°	246.3	244.7	243.0	241.7	239.6	236.6	233.2	229.8	225.5	220.2	213.5
-77.5°	198.2	197.0	195.6	194.4	192.4	189.5	186.2	183.7	180.8	176.8	171.6
-80°	153.4	152.8	151.8	150.9	149.5	147.6	145.4	142.8	139.5	135.6	131.8
-82.5°	113.2	112.4	111.4	110.5	109.3	107.6	105.6	103.7	101.5	99.0	96.2
-85°	72.4	72.1	71.7	70.9	70.1	69.3	68.3	67.5	66.5	65.2	63.7
-87.5°	32.1	32.0	31.7	32.5	33.2	33.8	34.2	33.8	33.2	32.6	31.9
-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: P558930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-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°	24.2	23.6	22.9	22.0	21.5	20.9	20.1	19.1	17.4	15.7	13.9
85°	64.7	60.7	56.3	51.4	46.7	41.8	40.1	38.1	34.8	31.4	27.8
82.5°	120.8	114.9	108.8	102.0	94.6	86.7	78.3	69.4	58.5	48.0	41.7
80°	190.6	180.9	170.1	158.4	145.4	131.5	120.1	107.6	92.2	77.2	62.9
77.5°	270.2	253.7	235.7	220.4	204.5	187.3	168.8	147.9	125.5	106.2	87.7
75°	358.8	338.0	316.5	293.1	268.2	243.1	221.2	195.6	165.3	135.6	112.2
72.5°	469.1	436.7	403.4	369.1	339.3	308.7	277.1	242.6	206.9	172.0	138.1
70°	587.2	542.5	500.7	459.4	416.5	374.1	337.5	294.8	247.9	207.8	168.9
67.5°	712.9	664.1	610.9	552.5	500.8	450.6	399.2	347.4	295.0	243.0	199.0
65°	855.6	794.0	727.5	663.4	594.9	527.9	470.3	402.0	341.1	283.7	228.5
62.5°	1012.5	932.1	859.8	779.1	699.1	620.0	539.1	462.1	387.7	323.4	261.3
60°	1190.3	1102.1	1000.6	910.3	813.7	716.8	620.7	520.3	439.1	362.0	294.9
57.5°	1385.8	1282.2	1173.5	1054.2	940.9	826.2	702.1	586.8	488.6	404.1	327.1
55°	1590.3	1473.8	1351.1	1219.8	1079.8	947.5	787.7	654.8	538.7	445.6	357.1
52.5°	1819.2	1679.9	1538.4	1390.3	1236.2	1065.3	882.7	718.9	594.8	485.4	389.0
50°	2082.9	1908.9	1740.9	1570.7	1394.8	1189.1	971.5	795.5	647.5	525.5	419.3
47.5°	2383.8	2172.5	1964.3	1760.1	1565.6	1304.2	1069.3	868.7	696.6	568.2	447.6
45°	2695.4	2462.6	2210.4	1974.2	1704.3	1420.7	1164.6	936.0	755.9	605.5	473.6
42.5°	3008.2	2756.2	2485.6	2190.2	1846.7	1531.0	1251.5	1011.7	810.5	639.7	500.9
40°	3355.5	3048.9	2760.0	2390.8	1976.2	1631.4	1341.1	1082.6	859.7	674.2	528.3
37.5°	3686.8	3347.8	3030.1	2543.9	2094.6	1734.1	1422.9	1146.2	904.6	711.4	553.1
35°	3996.0	3637.4	3166.2	2668.5	2212.1	1821.0	1495.3	1206.1	952.4	744.2	575.4
32.5°	4278.1	3823.1	3270.6	2765.6	2305.3	1892.0	1561.0	1259.4	993.3	772.5	595.1
30°	4470.4	3892.5	3342.3	2835.9	2374.8	1960.8	1614.5	1303.6	1027.3	796.4	613.4
27.5°	4480.5	3924.8	3380.6	2879.7	2422.6	2011.2	1655.1	1338.8	1054.4	818.6	632.4
25°	4445.4	3910.6	3386.3	2896.0	2448.0	2052.5	1686.2	1365.2	1079.4	840.2	647.9
22.5°	4363.2	3860.2	3360.7	2885.0	2475.8	2081.0	1712.0	1387.8	1099.6	856.5	660.0
20°	4259.5	3778.4	3317.8	2895.7	2489.8	2099.2	1731.4	1402.3	1112.6	867.6	668.7
17.5°	4132.3	3713.5	3310.6	2893.7	2489.8	2104.6	1740.2	1409.1	1118.8	873.6	674.1
15°	4073.9	3688.0	3288.9	2878.3	2476.1	2097.6	1738.6	1408.1	1118.4	874.8	677.9
12.5°	4026.9	3648.0	3253.7	2849.5	2449.1	2078.6	1727.1	1399.8	1111.7	874.8	680.8
10°	3967.5	3593.4	3204.9	2807.4	2409.5	2048.3	1706.1	1387.1	1108.4	873.4	680.9
7.5°	3895.0	3524.4	3142.7	2752.4	2361.9	2014.3	1684.6	1372.9	1101.4	868.2	678.6
5°	3811.0	3448.3	3075.9	2699.6	2325.6	1978.3	1656.2	1351.8	1089.6	859.6	673.8
2.5°	3720.1	3369.6	3001.1	2635.7	2279.8	1933.6	1620.1	1324.5	1073.4	847.7	666.7
0°	3614.6	3277.5	2913.7	2559.9	2224.5	1880.7	1577.0	1291.6	1053.0	832.7	657.5
-2.5°	3522.0	3176.4	2819.5	2477.6	2143.9	1817.3	1530.0	1258.5	1030.3	818.0	647.8
-5°	3414.2	3062.1	2714.3	2384.8	2054.9	1747.3	1477.4	1221.2	1004.1	800.7	636.3
-7.5°	3256.0	2922.5	2594.5	2280.5	1958.6	1671.8	1419.8	1180.0	974.5	781.0	622.9
-10°	3077.7	2764.4	2458.7	2162.7	1864.9	1597.2	1359.1	1135.7	942.1	759.1	608.0
-12.5°	2889.2	2597.9	2315.4	2039.2	1768.4	1523.7	1300.9	1092.1	907.5	735.2	591.6
-15°	2691.9	2424.3	2165.8	1911.5	1668.7	1446.5	1239.8	1047.6	873.5	710.8	573.8
-17.5°	2491.0	2245.0	2010.9	1780.9	1567.0	1366.2	1176.7	1000.9	837.5	686.4	556.1
-20°	2307.7	2077.6	1853.1	1648.7	1464.4	1283.6	1112.1	952.2	800.0	660.6	538.1



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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°	2124.9	1923.0	1720.3	1525.9	1363.7	1199.2	1046.7	902.1	761.2	633.7	518.9
-25°	1942.8	1769.4	1590.7	1423.8	1266.2	1120.9	983.5	850.7	721.5	605.8	498.5
-27.5°	1771.4	1619.6	1460.6	1321.5	1180.9	1043.7	922.5	802.0	682.9	577.2	477.0
-30°	1607.8	1476.5	1343.8	1221.4	1096.7	976.5	861.4	753.4	647.7	549.5	454.5
-32.5°	1456.7	1335.3	1232.3	1128.5	1019.2	909.8	804.7	705.1	612.4	521.9	433.5
-35°	1316.2	1214.7	1124.1	1038.6	944.3	849.3	752.9	657.2	577.1	493.5	412.8
-37.5°	1182.4	1107.8	1030.2	954.2	869.9	789.9	704.1	617.7	541.9	464.4	391.6
-40°	1072.4	1008.7	944.0	874.2	803.9	731.8	655.1	580.2	507.7	434.6	370.2
-42.5°	967.6	918.2	862.3	796.6	742.6	678.1	606.9	542.1	474.6	407.8	348.4
-45°	874.4	832.4	784.8	735.5	683.8	625.0	564.3	503.7	441.5	382.6	327.3
-47.5°	786.5	755.3	716.6	675.5	627.7	573.9	521.3	467.0	408.3	357.4	307.1
-50°	712.5	685.6	654.5	617.2	572.7	527.1	479.0	430.5	380.5	332.6	286.5
-52.5°	648.3	622.6	594.8	560.3	522.4	480.2	440.1	394.7	352.1	308.5	265.5
-55°	587.9	562.8	537.3	507.8	473.8	438.6	401.6	363.0	323.3	284.5	244.5
-57.5°	530.9	506.4	484.5	458.1	429.6	398.9	365.5	330.9	295.7	260.1	225.8
-60°	476.1	456.2	434.6	412.9	388.1	360.1	330.3	299.2	268.3	236.1	206.9
-62.5°	425.8	407.8	390.0	370.3	347.4	322.3	295.3	268.9	240.5	214.4	187.7
-65°	378.5	363.7	346.7	328.1	307.3	285.2	262.5	238.3	215.5	192.5	168.4
-67.5°	333.4	319.7	303.2	286.0	269.4	251.0	229.8	210.4	191.0	170.4	149.4
-70°	289.3	275.9	262.2	249.1	234.2	217.3	200.5	183.5	166.4	149.2	130.2
-72.5°	246.9	236.4	225.3	213.4	200.6	186.6	171.7	157.0	143.3	127.9	110.9
-75°	205.6	197.5	188.9	179.2	168.0	156.0	144.3	132.5	120.3	106.6	93.9
-77.5°	165.8	159.6	152.8	145.8	137.2	127.9	118.2	107.9	98.0	88.1	77.5
-80°	128.4	124.4	119.8	114.4	107.4	99.9	92.8	85.5	77.9	69.8	61.1
-82.5°	93.6	90.9	87.7	83.9	79.1	74.2	69.1	63.8	57.8	51.4	45.1
-85°	61.9	59.7	57.2	54.3	51.4	48.4	45.5	42.3	38.3	34.2	30.1
-87.5°	30.7	29.5	28.2	26.8	25.5	24.2	22.7	21.2	19.2	17.1	15.1
-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°	12.1	10.2	8.3	6.3	4.2	2.1	0.0
85°	24.1	20.4	16.5	12.5	8.4	4.1	0.0
82.5°	36.2	30.5	24.7	18.7	12.6	6.2	0.0
80°	49.2	40.6	32.9	24.9	16.8	8.3	0.0
77.5°	69.9	53.0	41.0	31.1	20.9	10.3	0.0
75°	90.4	69.5	49.9	37.2	25.0	12.3	0.0
72.5°	110.5	85.8	62.5	43.2	29.0	14.3	0.0
70°	130.9	101.7	74.9	49.8	33.0	16.2	0.0
67.5°	156.0	117.3	87.0	58.6	36.9	18.2	0.0
65°	180.3	134.7	98.9	67.2	40.7	20.1	0.0
62.5°	203.9	153.6	110.4	75.6	44.5	21.9	0.0
60°	226.5	171.8	121.6	83.8	48.1	23.7	0.0
57.5°	252.1	189.4	135.1	91.8	53.3	25.5	0.0
55°	277.0	206.1	148.1	99.5	58.3	27.2	0.0
52.5°	300.6	222.6	160.6	106.9	63.2	28.8	0.0
50°	322.8	240.7	172.4	113.9	67.8	30.4	0.0
47.5°	343.9	257.6	183.7	121.1	72.4	32.0	0.0
45°	366.0	273.5	194.2	129.0	76.7	33.4	0.0
42.5°	386.3	288.1	204.1	136.4	80.8	34.8	0.0
40°	404.9	301.6	214.2	143.5	84.7	36.2	0.0
37.5°	421.6	313.9	224.2	150.2	88.4	37.5	0.0
35°	436.5	326.1	233.4	156.5	91.9	38.6	0.0
32.5°	450.9	337.6	241.7	162.3	95.2	39.8	0.0
30°	466.2	347.6	249.1	167.7	98.2	40.8	0.0
27.5°	479.5	356.3	256.1	172.6	101.0	41.8	0.0
25°	490.8	363.6	262.2	177.0	103.6	42.6	0.0
22.5°	499.9	370.0	267.6	181.0	105.9	43.4	0.0
20°	507.0	376.3	272.0	184.5	107.9	44.2	0.0
17.5°	513.4	381.5	275.6	187.5	109.7	44.8	0.0
15°	518.6	385.6	278.4	190.0	111.3	45.3	0.0
12.5°	521.8	388.6	280.3	192.1	112.6	45.8	0.0
10°	523.0	390.5	281.5	193.7	113.6	46.1	0.0
7.5°	522.4	391.3	281.8	194.8	114.4	46.4	0.0
5°	520.1	391.0	281.5	195.4	114.9	46.6	0.0
2.5°	516.1	389.6	280.4	195.5	115.1	46.7	0.0
0°	510.6	387.2	278.7	195.2	115.1	46.7	0.0
-2.5°	504.8	383.5	277.3	194.3	114.8	46.8	0.0
-5°	497.5	378.9	275.4	193.0	114.3	46.7	0.0
-7.5°	489.0	373.3	272.7	191.2	113.5	46.6	0.0
-10°	479.2	366.9	269.5	189.0	112.5	46.4	0.0
-12.5°	468.2	359.6	265.7	186.4	111.2	46.1	0.0
-15°	456.1	351.7	261.2	183.3	109.7	45.7	0.0
-17.5°	442.9	343.0	256.2	179.9	108.0	45.3	0.0
-20°	429.2	333.8	250.6	176.1	106.0	44.7	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	415.5	324.0	244.4	171.9	103.9	44.0	0.0
-25°	401.0	314.2	237.7	167.4	101.5	43.3	0.0
-27.5°	385.8	304.0	230.5	162.5	99.0	42.4	0.0
-30°	369.8	293.2	222.7	157.4	96.2	41.5	0.0
-32.5°	353.3	281.8	214.8	151.9	93.3	40.5	0.0
-35°	337.8	269.7	206.4	146.1	90.1	39.4	0.0
-37.5°	322.5	257.6	197.5	140.0	86.9	38.3	0.0
-40°	306.6	246.0	188.4	133.7	83.4	37.0	0.0
-42.5°	290.2	234.0	179.2	127.1	79.8	35.7	0.0
-45°	273.3	221.6	170.2	120.3	76.1	34.3	0.0
-47.5°	256.0	208.8	160.8	113.3	72.2	32.8	0.0
-50°	240.1	195.8	151.1	106.9	68.2	31.2	0.0
-52.5°	224.3	182.4	141.0	100.7	64.1	29.6	0.0
-55°	208.2	169.5	130.8	94.4	59.8	28.0	0.0
-57.5°	191.8	156.4	120.2	87.8	55.4	26.2	0.0
-60°	175.3	143.0	109.5	81.1	51.0	24.4	0.0
-62.5°	159.2	129.4	100.4	74.2	47.2	22.6	0.0
-65°	142.8	115.6	91.2	67.2	43.3	20.7	0.0
-67.5°	126.2	102.8	81.8	60.0	39.2	18.8	0.0
-70°	109.4	91.0	72.2	52.8	35.1	16.8	0.0
-72.5°	94.9	79.0	62.5	46.2	30.9	14.8	0.0
-75°	80.7	67.0	52.7	39.8	26.6	12.7	0.0
-77.5°	66.3	54.8	43.9	33.2	22.3	10.6	0.0
-80°	51.9	43.5	35.2	26.7	17.9	8.5	0.0
-82.5°	38.8	32.7	26.4	20.0	13.5	6.4	0.0
-85°	25.9	21.8	17.7	13.4	9.0	4.3	0.0
-87.5°	13.0	10.9	8.8	6.7	4.5	2.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)