

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: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-930-U-MWR-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA5D-930-U-MWR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQUARE, MEDIUM WIDE SYMMETRICAL ROUND N5  
Light Source: (80) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

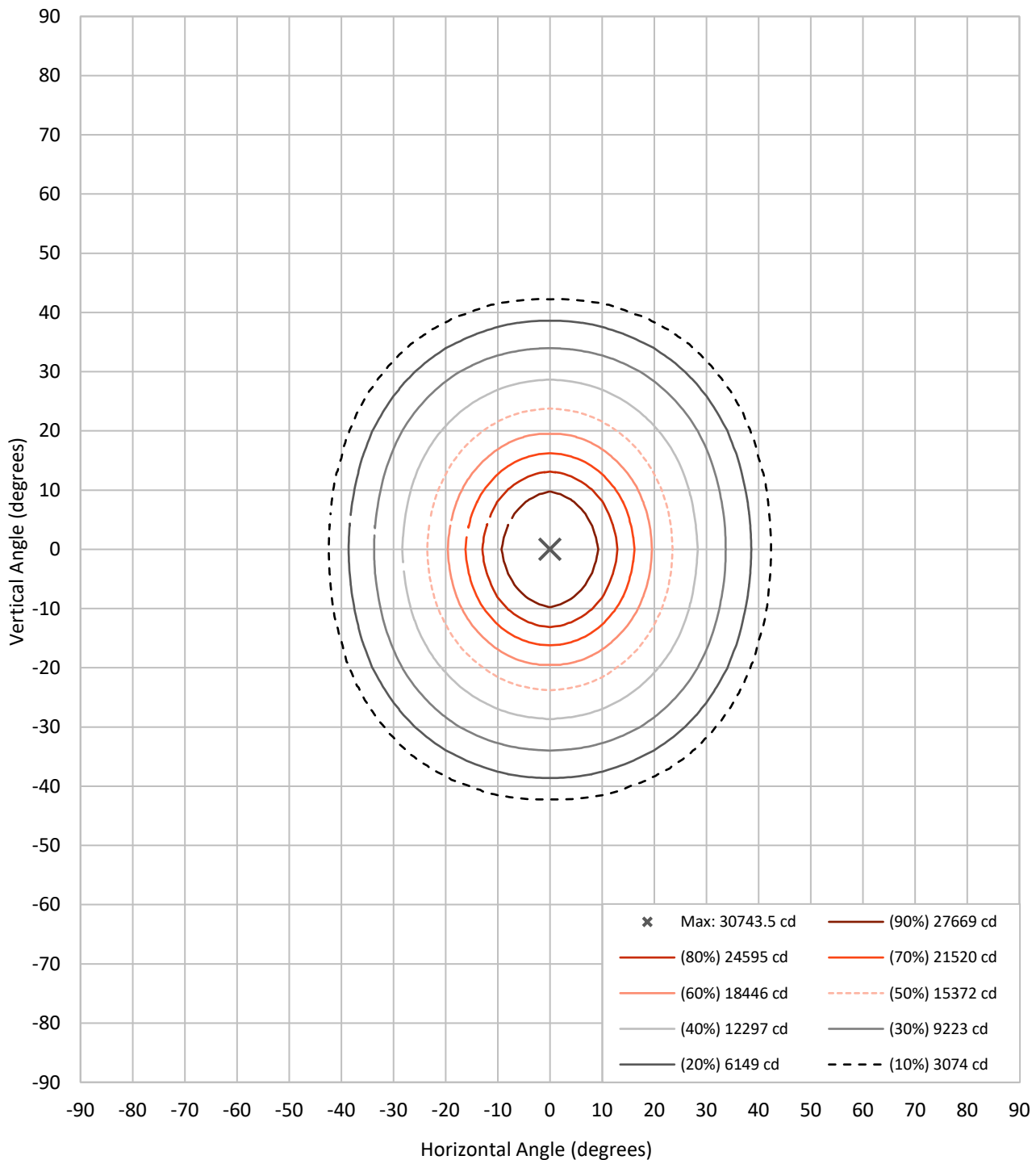
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	23932.1 lumens	Max Intensity:	30743.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	90.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47°H x 47.6°V	Field Angle (10%):	84.6°H x 84.3°V
Beam Lumens:	11292.8 lumens	Field Lumens:	21730.3 lumens
Beam Efficiency:	47.2%	Field Efficiency:	90.8%

Input Watts (W): 266  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Candela Plot





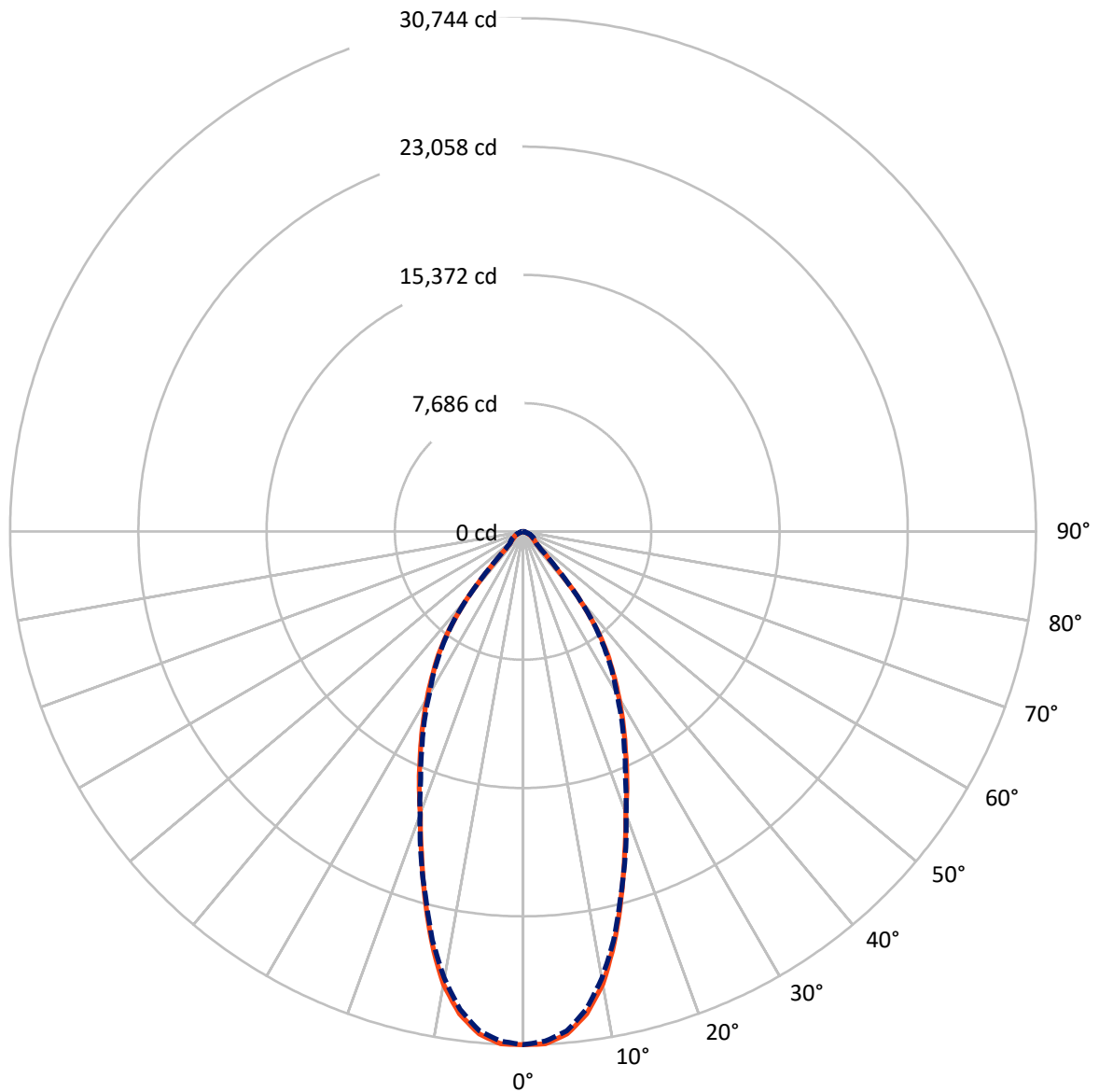
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### Lumen Table

90																
80	0.4	2.9		6.6		10.8		8.4		10.8		6.6		2.9		0.4
70																
60	1.7	1.9	3.5	5.4	7.6	9.5	11.0	11.9	11.9	11.0	9.5	7.6	5.4	3.5	1.9	1.7
50		2.9	5.7	9.6	13.8	17.2	19.6	21.6	21.6	19.6	17.2	13.8	9.6	5.7	2.9	
40	2.6	3.8	8.0	13.5	19.6	26.8	42.5	59.5	59.5	42.5	26.8	19.6	13.5	8.0	3.8	2.6
30		4.6	10.0	16.8	31.5	100.9	196.4	250.2	250.2	196.4	100.9	31.5	16.8	10.0	4.6	
20	2.8	5.4	11.7	21.0	32.2	44.5	63.5	85.9	85.9	63.5	44.5	32.2	21.0	11.7	5.4	2.8
10		6.1	13.0	21.0	32.2	44.5	63.5	85.9	85.9	63.5	44.5	32.2	21.0	11.7	5.4	
0	2.9	6.4	14.1	21.0	32.2	44.5	63.5	85.9	85.9	63.5	44.5	32.2	21.0	11.7	5.4	2.9
-10		6.4	14.1	21.0	32.2	44.5	63.5	85.9	85.9	63.5	44.5	32.2	21.0	11.7	5.4	
-20	2.8	6.1	13.0	21.0	32.2	44.5	63.5	85.9	85.9	63.5	44.5	32.2	21.0	11.7	5.4	2.8
-30		5.4	11.7	21.0	32.2	44.5	63.5	85.9	85.9	63.5	44.5	32.2	21.0	11.7	5.4	
-40	2.6	4.6	10.0	16.8	31.5	100.9	196.4	250.2	250.2	196.4	100.9	31.5	16.8	10.0	4.6	2.6
-50		3.8	8.0	13.5	19.6	26.8	42.5	59.5	59.5	42.5	26.8	19.6	13.5	8.0	3.8	
-60	1.7	2.9	5.7	9.6	13.8	17.2	19.6	21.6	21.6	19.6	17.2	13.8	9.6	5.7	2.9	1.7
-70		1.9	3.5	5.4	7.6	9.5	11.0	11.9	11.9	11.0	9.5	7.6	5.4	3.5	1.9	
-80																
-90	0.4	2.9		6.6		10.8		8.4		10.8		6.6		2.9		0.4

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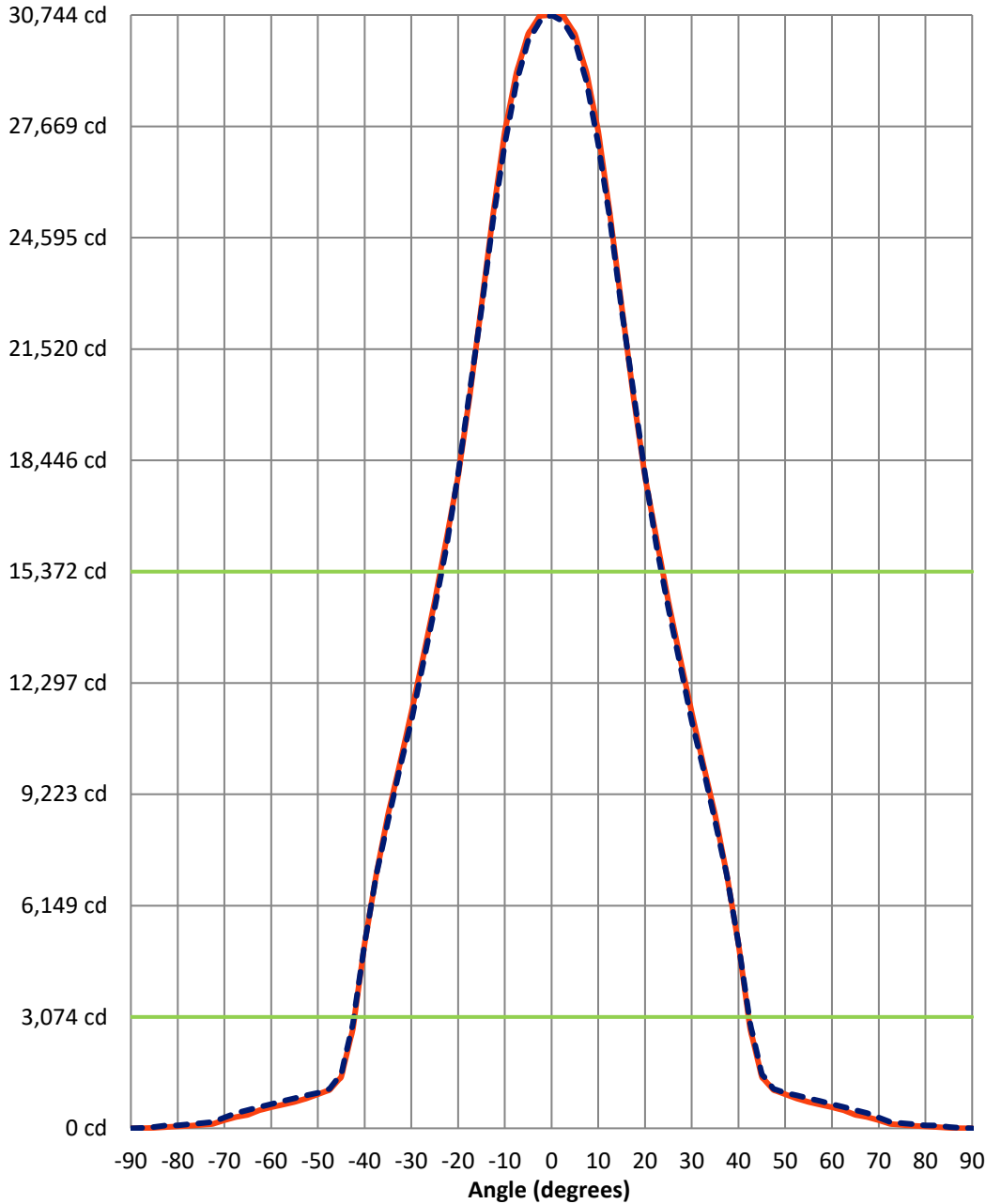
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 47°  
V Angle: 47.6°  
Lumens: 11292.8  
Efficiency: 47.2%

**Field:**  
H Angle: 84.6°  
V Angle: 84.3°  
Lumens: 21730.3  
Efficiency: 90.8%

**Spill:**  
Lumens: 2201.8  
Efficiency: 9.2%

— 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	0.5	1.0	1.7	2.4	3.2	4.2	4.7	5.1	5.5	5.8
85°	0.0	1.0	2.0	3.3	4.8	6.5	8.4	9.4	10.3	11.0	11.7
82.5°	0.0	1.5	3.0	4.9	7.2	9.7	12.5	14.1	15.8	18.9	21.2
80°	0.0	2.0	4.0	6.6	9.5	12.9	17.3	22.9	27.3	30.7	33.1
77.5°	0.0	2.5	5.0	8.2	11.8	17.6	27.1	33.8	38.8	42.5	46.0
75°	0.0	3.0	5.9	9.7	14.7	25.0	36.7	44.8	50.7	57.1	61.9
72.5°	0.0	3.5	6.9	11.3	20.1	32.3	46.1	56.5	65.4	72.6	78.1
70°	0.0	3.9	7.9	13.2	25.4	39.5	55.5	70.2	80.3	88.4	101.1
67.5°	0.0	4.4	8.8	16.8	30.6	46.3	66.4	84.0	95.2	108.3	125.0
65°	0.0	4.9	9.7	20.2	35.6	53.7	76.9	97.7	110.8	127.4	147.5
62.5°	0.0	5.3	10.6	23.6	40.3	61.6	87.0	110.1	125.7	145.8	168.3
60°	0.0	5.7	11.5	26.8	44.9	69.0	96.5	121.5	139.8	164.4	188.8
57.5°	0.0	6.2	13.5	29.9	50.2	76.0	103.0	131.5	155.6	182.7	206.7
55°	0.0	6.6	15.5	32.9	55.2	82.7	108.4	138.8	171.6	200.0	223.2
52.5°	0.0	7.0	17.4	35.7	59.9	88.4	113.1	148.8	187.3	214.7	239.3
50°	0.0	7.4	19.2	38.3	64.3	91.2	117.0	158.1	201.9	229.0	257.2
47.5°	0.0	7.8	21.0	40.9	68.3	93.4	120.6	166.3	214.4	243.0	274.8
45°	0.0	8.1	22.7	43.6	72.0	95.1	126.4	173.3	220.7	258.1	291.6
42.5°	0.0	8.5	24.3	46.1	75.4	96.3	131.4	178.2	225.7	272.5	308.8
40°	0.0	8.8	25.8	48.8	77.1	96.8	135.4	181.5	230.0	285.3	325.4
37.5°	0.0	9.1	27.2	51.5	77.3	96.8	138.5	183.8	234.7	291.6	341.3
35°	0.0	9.4	28.5	54.2	77.2	98.0	140.8	185.1	238.6	300.9	356.6
32.5°	0.0	9.7	29.8	56.8	76.8	99.5	141.9	185.4	241.8	312.2	370.6
30°	0.0	10.0	30.9	59.3	76.0	100.4	141.8	185.4	244.3	325.4	384.3
27.5°	0.0	10.2	32.0	61.7	76.8	100.7	140.9	186.6	249.0	340.3	397.8
25°	0.0	10.4	32.9	64.0	77.7	100.4	139.4	187.1	259.1	352.7	411.0
22.5°	0.0	10.6	33.8	66.2	78.5	100.6	137.2	186.8	269.5	362.9	427.2
20°	0.0	10.8	34.5	68.2	79.1	103.2	134.3	185.9	280.1	372.5	441.9
17.5°	0.0	11.0	35.2	70.1	79.6	105.5	134.5	184.1	290.6	381.3	455.1
15°	0.0	11.1	35.7	71.9	80.0	107.5	136.5	183.6	300.7	389.4	466.6
12.5°	0.0	11.2	36.2	73.5	80.3	109.2	138.1	184.3	307.7	396.5	476.6
10°	0.0	11.3	36.5	74.9	80.5	110.6	139.3	183.9	310.5	402.5	485.0
7.5°	0.0	11.4	36.8	76.1	80.7	111.7	140.2	182.4	310.8	408.3	492.2
5°	0.0	11.5	36.9	77.1	80.7	112.5	140.8	180.0	308.7	413.5	497.6
2.5°	0.0	11.5	37.0	77.9	80.8	112.9	140.9	176.9	304.3	417.6	501.3
0°	0.0	11.5	36.9	78.5	80.8	113.1	140.8	173.1	297.7	420.1	503.2
-2.5°	0.0	11.5	37.0	77.9	80.8	112.9	140.9	176.9	304.3	417.6	501.3
-5°	0.0	11.5	36.9	77.1	80.7	112.5	140.8	180.0	308.7	413.5	497.6
-7.5°	0.0	11.4	36.8	76.1	80.7	111.7	140.2	182.4	310.8	408.3	492.2
-10°	0.0	11.3	36.5	74.9	80.5	110.6	139.3	183.9	310.5	402.5	485.0
-12.5°	0.0	11.2	36.2	73.5	80.3	109.2	138.1	184.3	307.7	396.5	476.6
-15°	0.0	11.1	35.7	71.9	80.0	107.5	136.5	183.6	300.7	389.4	466.6
-17.5°	0.0	11.0	35.2	70.1	79.6	105.5	134.5	184.1	290.6	381.3	455.1
-20°	0.0	10.8	34.5	68.2	79.1	103.2	134.3	185.9	280.1	372.5	441.9



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 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	10.6	33.8	66.2	78.5	100.6	137.2	186.8	269.5	362.9	427.2
-25°	0.0	10.4	32.9	64.0	77.7	100.4	139.4	187.1	259.1	352.7	411.0
-27.5°	0.0	10.2	32.0	61.7	76.8	100.7	140.9	186.6	249.0	340.3	397.8
-30°	0.0	10.0	30.9	59.3	76.0	100.4	141.8	185.4	244.3	325.4	384.3
-32.5°	0.0	9.7	29.8	56.8	76.8	99.5	141.9	185.4	241.8	312.2	370.6
-35°	0.0	9.4	28.5	54.2	77.2	98.0	140.8	185.1	238.6	300.9	356.6
-37.5°	0.0	9.1	27.2	51.5	77.3	96.8	138.5	183.8	234.7	291.6	341.3
-40°	0.0	8.8	25.8	48.8	77.1	96.8	135.4	181.5	230.0	285.3	325.4
-42.5°	0.0	8.5	24.3	46.1	75.4	96.3	131.4	178.2	225.7	272.5	308.8
-45°	0.0	8.1	22.7	43.6	72.0	95.1	126.4	173.3	220.7	258.1	291.6
-47.5°	0.0	7.8	21.0	40.9	68.3	93.4	120.6	166.3	214.4	243.0	274.8
-50°	0.0	7.4	19.2	38.3	64.3	91.2	117.0	158.1	201.9	229.0	257.2
-52.5°	0.0	7.0	17.4	35.7	59.9	88.4	113.1	148.8	187.3	214.7	239.3
-55°	0.0	6.6	15.5	32.9	55.2	82.7	108.4	138.8	171.6	200.0	223.2
-57.5°	0.0	6.2	13.5	29.9	50.2	76.0	103.0	131.5	155.6	182.7	206.7
-60°	0.0	5.7	11.5	26.8	44.9	69.0	96.5	121.5	139.8	164.4	188.8
-62.5°	0.0	5.3	10.6	23.6	40.3	61.6	87.0	110.1	125.7	145.8	168.3
-65°	0.0	4.9	9.7	20.2	35.6	53.7	76.9	97.7	110.8	127.4	147.5
-67.5°	0.0	4.4	8.8	16.8	30.6	46.3	66.4	84.0	95.2	108.3	125.0
-70°	0.0	3.9	7.9	13.2	25.4	39.5	55.5	70.2	80.3	88.4	101.1
-72.5°	0.0	3.5	6.9	11.3	20.1	32.3	46.1	56.5	65.4	72.6	78.1
-75°	0.0	3.0	5.9	9.7	14.7	25.0	36.7	44.8	50.7	57.1	61.9
-77.5°	0.0	2.5	5.0	8.2	11.8	17.6	27.1	33.8	38.8	42.5	46.0
-80°	0.0	2.0	4.0	6.6	9.5	12.9	17.3	22.9	27.3	30.7	33.1
-82.5°	0.0	1.5	3.0	4.9	7.2	9.7	12.5	14.1	15.8	18.9	21.2
-85°	0.0	1.0	2.0	3.3	4.8	6.5	8.4	9.4	10.3	11.0	11.7
-87.5°	0.0	0.5	1.0	1.7	2.4	3.2	4.2	4.7	5.1	5.5	5.8
-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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 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-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°	5.8	5.8	5.6	5.3	4.9	4.4	3.9	3.3	3.4	3.5	3.6
85°	11.7	11.5	12.4	13.3	13.6	13.6	13.1	12.3	14.1	16.2	18.4
82.5°	23.3	25.4	27.3	29.2	29.2	28.6	27.6	26.5	30.5	35.5	40.9
80°	36.1	39.2	43.7	48.3	49.6	49.2	47.6	45.1	50.7	58.8	68.1
77.5°	51.6	57.9	64.2	70.6	72.2	70.9	67.8	63.1	70.2	83.5	98.2
75°	68.6	76.6	86.6	94.4	96.1	93.4	88.7	84.6	93.3	109.7	125.5
72.5°	89.6	102.5	112.5	119.4	119.9	117.4	115.1	113.0	122.6	142.1	158.3
70°	116.4	129.4	137.1	141.3	142.3	143.8	150.4	156.6	166.2	182.9	196.2
67.5°	142.9	153.2	160.2	165.2	175.2	184.6	193.6	203.0	213.7	227.9	238.0
65°	166.6	177.2	186.4	198.3	212.8	224.2	236.4	249.5	264.3	277.6	287.3
62.5°	190.0	201.3	214.2	230.0	246.9	262.2	280.0	298.2	315.8	330.9	347.5
60°	209.2	224.3	241.6	260.7	280.9	304.3	325.7	346.7	366.0	384.9	408.1
57.5°	227.4	248.0	269.1	291.9	318.5	346.9	372.1	395.1	419.3	446.7	469.5
55°	246.6	272.5	296.7	324.3	355.9	390.2	417.8	443.8	473.6	506.5	532.1
52.5°	267.3	295.9	324.3	357.5	395.7	429.8	458.6	491.0	527.2	562.9	592.6
50°	287.4	319.0	351.9	394.1	432.0	464.5	500.2	539.4	577.2	613.9	649.0
47.5°	307.6	341.4	385.3	428.3	463.8	501.9	543.5	583.8	623.6	661.8	698.6
45°	327.5	367.5	416.2	457.0	496.5	540.3	583.4	625.6	667.4	708.1	748.2
42.5°	346.6	393.2	442.2	484.9	530.3	576.1	621.2	665.8	710.0	753.5	796.3
40°	367.5	416.6	468.1	514.8	562.2	609.9	657.4	704.5	751.1	797.2	842.6
37.5°	386.8	440.8	494.5	543.4	592.1	642.1	691.8	741.8	790.9	838.9	890.6
35°	404.1	465.3	519.5	570.8	621.9	672.5	725.2	777.7	829.4	881.5	947.5
32.5°	423.5	490.0	543.1	597.2	650.1	702.3	757.0	812.5	867.6	928.5	1023.3
30°	445.3	510.6	565.6	622.4	676.5	731.4	787.9	845.9	903.8	998.6	1217.5
27.5°	466.5	529.6	587.3	645.4	701.2	758.2	817.4	877.5	958.2	1103.8	1459.1
25°	486.2	547.8	607.8	666.6	724.2	783.3	844.5	907.0	1016.5	1310.6	2095.5
22.5°	502.8	565.3	627.7	685.9	745.0	806.0	869.6	952.6	1121.8	1519.4	2803.5
20°	516.9	582.1	645.8	706.3	764.4	826.2	892.5	996.0	1281.8	2115.4	3652.1
17.5°	530.1	597.3	662.5	725.7	786.8	847.3	915.3	1033.5	1425.9	2633.4	4505.3
15°	542.2	610.8	678.0	744.0	807.1	870.2	951.4	1140.0	1717.3	3147.7	5265.2
12.5°	553.0	622.8	692.1	760.8	825.4	890.6	983.8	1245.8	2074.1	3751.0	5783.9
10°	562.6	633.1	704.8	776.1	841.5	908.5	1011.1	1332.8	2367.6	4247.2	6200.8
7.5°	571.4	642.9	716.5	789.7	855.4	923.9	1033.5	1400.6	2594.2	4620.9	6533.4
5°	578.9	652.7	730.4	804.6	872.9	940.6	1052.7	1449.3	2753.4	4872.7	6775.6
2.5°	584.6	660.7	742.4	817.7	892.2	960.9	1074.6	1485.4	2856.1	5033.0	6930.5
0°	588.6	667.0	752.4	828.6	909.4	978.6	1091.7	1502.6	2894.3	5091.6	6988.8
-2.5°	584.6	660.7	742.4	817.7	892.2	960.9	1074.6	1485.4	2856.1	5033.0	6930.5
-5°	578.9	652.7	730.4	804.6	872.9	940.6	1052.7	1449.3	2753.4	4872.7	6775.6
-7.5°	571.4	642.9	716.5	789.7	855.4	923.9	1033.5	1400.6	2594.2	4620.9	6533.4
-10°	562.6	633.1	704.8	776.1	841.5	908.5	1011.1	1332.8	2367.6	4247.2	6200.8
-12.5°	553.0	622.8	692.1	760.8	825.4	890.6	983.8	1245.8	2074.1	3751.0	5783.9
-15°	542.2	610.8	678.0	744.0	807.1	870.2	951.4	1140.0	1717.3	3147.7	5265.2
-17.5°	530.1	597.3	662.5	725.7	786.8	847.3	915.3	1033.5	1425.9	2633.4	4505.3
-20°	516.9	582.1	645.8	706.3	764.4	826.2	892.5	996.0	1281.8	2115.4	3652.1



REPORT NUMBER: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	502.8	565.3	627.7	685.9	745.0	806.0	869.6	952.6	1121.8	1519.4	2803.5
-25°	486.2	547.8	607.8	666.6	724.2	783.3	844.5	907.0	1016.5	1310.6	2095.5
-27.5°	466.5	529.6	587.3	645.4	701.2	758.2	817.4	877.5	958.2	1103.8	1459.1
-30°	445.3	510.6	565.6	622.4	676.5	731.4	787.9	845.9	903.8	998.6	1217.5
-32.5°	423.5	490.0	543.1	597.2	650.1	702.3	757.0	812.5	867.6	928.5	1023.3
-35°	404.1	465.3	519.5	570.8	621.9	672.5	725.2	777.7	829.4	881.5	947.5
-37.5°	386.8	440.8	494.5	543.4	592.1	642.1	691.8	741.8	790.9	838.9	890.6
-40°	367.5	416.6	468.1	514.8	562.2	609.9	657.4	704.5	751.1	797.2	842.6
-42.5°	346.6	393.2	442.2	484.9	530.3	576.1	621.2	665.8	710.0	753.5	796.3
-45°	327.5	367.5	416.2	457.0	496.5	540.3	583.4	625.6	667.4	708.1	748.2
-47.5°	307.6	341.4	385.3	428.3	463.8	501.9	543.5	583.8	623.6	661.8	698.6
-50°	287.4	319.0	351.9	394.1	432.0	464.5	500.2	539.4	577.2	613.9	649.0
-52.5°	267.3	295.9	324.3	357.5	395.7	429.8	458.6	491.0	527.2	562.9	592.6
-55°	246.6	272.5	296.7	324.3	355.9	390.2	417.8	443.8	473.6	506.5	532.1
-57.5°	227.4	248.0	269.1	291.9	318.5	346.9	372.1	395.1	419.3	446.7	469.5
-60°	209.2	224.3	241.6	260.7	280.9	304.3	325.7	346.7	366.0	384.9	408.1
-62.5°	190.0	201.3	214.2	230.0	246.9	262.2	280.0	298.2	315.8	330.9	347.5
-65°	166.6	177.2	186.4	198.3	212.8	224.2	236.4	249.5	264.3	277.6	287.3
-67.5°	142.9	153.2	160.2	165.2	175.2	184.6	193.6	203.0	213.7	227.9	238.0
-70°	116.4	129.4	137.1	141.3	142.3	143.8	150.4	156.6	166.2	182.9	196.2
-72.5°	89.6	102.5	112.5	119.4	119.9	117.4	115.1	113.0	122.6	142.1	158.3
-75°	68.6	76.6	86.6	94.4	96.1	93.4	88.7	84.6	93.3	109.7	125.5
-77.5°	51.6	57.9	64.2	70.6	72.2	70.9	67.8	63.1	70.2	83.5	98.2
-80°	36.1	39.2	43.7	48.3	49.6	49.2	47.6	45.1	50.7	58.8	68.1
-82.5°	23.3	25.4	27.3	29.2	29.2	28.6	27.6	26.5	30.5	35.5	40.9
-85°	11.7	11.5	12.4	13.3	13.6	13.6	13.1	12.3	14.1	16.2	18.4
-87.5°	5.8	5.8	5.6	5.3	4.9	4.4	3.9	3.3	3.4	3.5	3.6
-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: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-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°	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.4	3.9	3.4
85°	20.8	20.1	19.1	17.7	16.0	16.9	17.8	18.8	19.7	18.4	16.9
82.5°	46.5	47.1	47.2	47.0	46.8	48.8	50.8	52.5	53.9	49.8	45.0
80°	78.4	82.2	84.4	86.4	88.1	88.1	87.0	84.9	82.0	75.0	67.3
77.5°	113.4	119.2	122.2	125.2	128.2	129.2	129.9	130.7	131.5	119.3	103.8
75°	140.6	149.3	154.4	159.1	163.4	165.9	167.3	168.2	168.6	153.9	135.0
72.5°	171.4	180.0	186.1	192.0	197.4	201.0	203.0	204.6	205.7	192.9	174.8
70°	205.6	212.4	219.6	226.9	233.5	238.1	241.1	243.5	245.3	244.1	243.1
67.5°	245.9	251.9	260.7	267.6	274.6	279.5	284.7	288.8	291.9	295.3	299.1
65°	296.5	310.7	323.6	330.2	331.1	338.3	350.0	357.5	361.2	364.3	368.1
62.5°	366.6	384.0	393.2	404.2	418.5	431.7	436.8	443.6	451.7	461.6	472.9
60°	426.9	441.2	456.0	471.2	484.3	495.3	507.2	519.0	529.8	539.6	549.3
57.5°	488.5	504.2	519.2	537.1	549.6	557.0	568.6	582.7	593.6	602.2	615.1
55°	552.4	572.6	593.1	609.2	621.0	628.7	637.5	651.1	659.2	662.3	677.3
52.5°	616.6	640.5	665.7	684.6	697.1	708.8	719.5	731.5	739.7	743.7	758.3
50°	676.1	704.6	732.7	757.3	773.9	793.3	815.2	826.0	832.9	840.7	857.0
47.5°	732.6	764.5	794.6	822.4	846.4	868.2	887.0	905.2	931.9	953.1	974.1
45°	787.0	821.0	853.6	884.8	911.7	954.2	994.6	1029.1	1121.2	1198.6	1257.7
42.5°	838.2	879.3	916.0	968.1	1024.7	1122.8	1274.3	1414.8	1686.5	2036.3	2328.4
40°	891.6	944.9	1010.7	1111.9	1303.6	1500.5	2089.6	2614.5	3130.7	3717.8	4220.9
37.5°	953.9	1034.1	1227.0	1455.9	2070.3	2750.0	3584.8	4404.2	5117.6	5728.2	6237.9
35°	1036.4	1284.3	1644.8	2478.7	3386.5	4500.9	5463.0	6233.5	6938.4	7504.1	7929.9
32.5°	1279.7	1733.2	2685.2	3832.1	5080.8	6157.5	7094.5	7832.4	8475.3	8982.3	9377.1
30°	1635.7	2678.2	3971.1	5344.7	6588.5	7616.5	8482.2	9185.6	9759.5	10275.4	10708.5
27.5°	2481.8	3823.3	5342.9	6744.0	7875.3	8837.7	9614.4	10311.1	10943.9	11487.1	11999.2
25°	3407.8	5068.4	6601.1	7876.4	8932.1	9835.0	10654.2	11416.3	12124.7	12760.5	13356.1
22.5°	4519.7	6175.9	7640.8	8821.0	9844.1	10771.6	11641.7	12489.8	13314.4	14090.3	14811.0
20°	5526.5	7152.0	8429.3	9608.0	10670.9	11637.4	12596.4	13584.9	14536.5	15471.1	16338.8
17.5°	6311.1	7823.2	9105.6	10300.3	11382.2	12476.8	13574.3	14709.7	15857.5	16942.8	17980.8
15°	6966.2	8383.1	9682.7	10877.3	12066.9	13274.6	14500.7	15838.1	17203.5	18502.5	19825.7
12.5°	7430.6	8850.4	10167.9	11366.6	12700.3	14011.3	15438.5	16962.8	18539.7	20052.8	21678.1
10°	7803.9	9223.1	10529.6	11822.2	13233.5	14687.2	16288.0	17966.9	19848.6	21640.2	23391.3
7.5°	8124.3	9534.1	10820.3	12193.5	13677.2	15275.0	17016.0	18914.2	20950.4	22944.1	25028.5
5°	8358.7	9746.2	11046.1	12498.1	14018.4	15704.4	17577.4	19605.7	21789.6	23974.1	26035.4
2.5°	8482.7	9867.1	11186.4	12687.0	14218.4	15964.6	17915.3	20065.2	22371.9	24755.5	26787.9
0°	8479.9	9917.8	11240.3	12814.4	14365.4	16043.4	18060.7	20359.5	22609.9	25086.4	27172.9
-2.5°	8482.7	9867.1	11186.4	12687.0	14218.4	15964.6	17915.3	20065.2	22371.9	24755.5	26787.9
-5°	8358.7	9746.2	11046.1	12498.1	14018.4	15704.4	17577.4	19605.7	21789.6	23974.1	26035.4
-7.5°	8124.3	9534.1	10820.3	12193.5	13677.2	15275.0	17016.0	18914.2	20950.4	22944.1	25028.5
-10°	7803.9	9223.1	10529.6	11822.2	13233.5	14687.2	16288.0	17966.9	19848.6	21640.2	23391.3
-12.5°	7430.6	8850.4	10167.9	11366.6	12700.3	14011.3	15438.5	16962.8	18539.7	20052.8	21678.1
-15°	6966.2	8383.1	9682.7	10877.3	12066.9	13274.6	14500.7	15838.1	17203.5	18502.5	19825.7
-17.5°	6311.1	7823.2	9105.6	10300.3	11382.2	12476.8	13574.3	14709.7	15857.5	16942.8	17980.8
-20°	5526.5	7152.0	8429.3	9608.0	10670.9	11637.4	12596.4	13584.9	14536.5	15471.1	16338.8



REPORT NUMBER: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4519.7	6175.9	7640.8	8821.0	9844.1	10771.6	11641.7	12489.8	13314.4	14090.3	14811.0
-25°	3407.8	5068.4	6601.1	7876.4	8932.1	9835.0	10654.2	11416.3	12124.7	12760.5	13356.1
-27.5°	2481.8	3823.3	5342.9	6744.0	7875.3	8837.7	9614.4	10311.1	10943.9	11487.1	11999.2
-30°	1635.7	2678.2	3971.1	5344.7	6588.5	7616.5	8482.2	9185.6	9759.5	10275.4	10708.5
-32.5°	1279.7	1733.2	2685.2	3832.1	5080.8	6157.5	7094.5	7832.4	8475.3	8982.3	9377.1
-35°	1036.4	1284.3	1644.8	2478.7	3386.5	4500.9	5463.0	6233.5	6938.4	7504.1	7929.9
-37.5°	953.9	1034.1	1227.0	1455.9	2070.3	2750.0	3584.8	4404.2	5117.6	5728.2	6237.9
-40°	891.6	944.9	1010.7	1111.9	1303.6	1500.5	2089.6	2614.5	3130.7	3717.8	4220.9
-42.5°	838.2	879.3	916.0	968.1	1024.7	1122.8	1274.3	1414.8	1686.5	2036.3	2328.4
-45°	787.0	821.0	853.6	884.8	911.7	954.2	994.6	1029.1	1121.2	1198.6	1257.7
-47.5°	732.6	764.5	794.6	822.4	846.4	868.2	887.0	905.2	931.9	953.1	974.1
-50°	676.1	704.6	732.7	757.3	773.9	793.3	815.2	826.0	832.9	840.7	857.0
-52.5°	616.6	640.5	665.7	684.6	697.1	708.8	719.5	731.5	739.7	743.7	758.3
-55°	552.4	572.6	593.1	609.2	621.0	628.7	637.5	651.1	659.2	662.3	677.3
-57.5°	488.5	504.2	519.2	537.1	549.6	557.0	568.6	582.7	593.6	602.2	615.1
-60°	426.9	441.2	456.0	471.2	484.3	495.3	507.2	519.0	529.8	539.6	549.3
-62.5°	366.6	384.0	393.2	404.2	418.5	431.7	436.8	443.6	451.7	461.6	472.9
-65°	296.5	310.7	323.6	330.2	331.1	338.3	350.0	357.5	361.2	364.3	368.1
-67.5°	245.9	251.9	260.7	267.6	274.6	279.5	284.7	288.8	291.9	295.3	299.1
-70°	205.6	212.4	219.6	226.9	233.5	238.1	241.1	243.5	245.3	244.1	243.1
-72.5°	171.4	180.0	186.1	192.0	197.4	201.0	203.0	204.6	205.7	192.9	174.8
-75°	140.6	149.3	154.4	159.1	163.4	165.9	167.3	168.2	168.6	153.9	135.0
-77.5°	113.4	119.2	122.2	125.2	128.2	129.2	129.9	130.7	131.5	119.3	103.8
-80°	78.4	82.2	84.4	86.4	88.1	88.1	87.0	84.9	82.0	75.0	67.3
-82.5°	46.5	47.1	47.2	47.0	46.8	48.8	50.8	52.5	53.9	49.8	45.0
-85°	20.8	20.1	19.1	17.7	16.0	16.9	17.8	18.8	19.7	18.4	16.9
-87.5°	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.4	3.9	3.4
-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: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-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°	2.9	2.3	2.3	2.3	2.3	2.3	2.9	3.4	3.9	4.4	4.4
85°	15.4	13.7	13.8	13.8	13.8	13.7	15.4	16.9	18.4	19.7	18.8
82.5°	39.9	34.5	34.5	34.6	34.5	34.5	39.9	45.0	49.8	53.9	52.5
80°	59.2	50.8	51.9	53.1	51.9	50.8	59.2	67.3	75.0	82.0	84.9
77.5°	87.2	69.7	69.1	69.2	69.1	69.7	87.2	103.8	119.3	131.5	130.7
75°	115.4	95.4	94.5	94.6	94.5	95.4	115.4	135.0	153.9	168.6	168.2
72.5°	156.1	137.0	128.3	120.0	128.3	137.0	156.1	174.8	192.9	205.7	204.6
70°	243.3	243.8	235.3	223.9	235.3	243.8	243.3	243.1	244.1	245.3	243.5
67.5°	302.4	304.8	308.5	311.6	308.5	304.8	302.4	299.1	295.3	291.9	288.8
65°	369.8	369.7	371.0	371.6	371.0	369.7	369.8	368.1	364.3	361.2	357.5
62.5°	482.6	490.3	495.8	498.5	495.8	490.3	482.6	472.9	461.6	451.7	443.6
60°	557.3	563.7	572.7	581.6	572.7	563.7	557.3	549.3	539.6	529.8	519.0
57.5°	627.1	637.9	646.7	653.2	646.7	637.9	627.1	615.1	602.2	593.6	582.7
55°	691.5	704.1	716.1	727.0	716.1	704.1	691.5	677.3	662.3	659.2	651.1
52.5°	772.4	782.8	799.9	821.7	799.9	782.8	772.4	758.3	743.7	739.7	731.5
50°	875.9	891.5	913.2	939.4	913.2	891.5	875.9	857.0	840.7	832.9	826.0
47.5°	995.4	1011.2	1032.0	1059.4	1032.0	1011.2	995.4	974.1	953.1	931.9	905.2
45°	1311.7	1348.5	1382.3	1419.5	1382.3	1348.5	1311.7	1257.7	1198.6	1121.2	1029.1
42.5°	2562.6	2724.5	2794.4	2753.5	2794.4	2724.5	2562.6	2328.4	2036.3	1686.5	1414.8
40°	4604.5	4873.5	5031.9	5087.0	5031.9	4873.5	4604.5	4220.9	3717.8	3130.7	2614.5
37.5°	6610.2	6857.9	6991.5	7007.3	6991.5	6857.9	6610.2	6237.9	5728.2	5117.6	4404.2
35°	8237.3	8441.3	8562.2	8653.0	8562.2	8441.3	8237.3	7929.9	7504.1	6938.4	6233.5
32.5°	9698.5	9931.0	10065.4	10035.5	10065.4	9931.0	9698.5	9377.1	8982.3	8475.3	7832.4
30°	11063.5	11317.8	11475.7	11480.4	11475.7	11317.8	11063.5	10708.5	10275.4	9759.5	9185.6
27.5°	12413.1	12698.5	12863.2	12992.1	12863.2	12698.5	12413.1	11999.2	11487.1	10943.9	10311.1
25°	13852.8	14208.6	14419.9	14547.8	14419.9	14208.6	13852.8	13356.1	12760.5	12124.7	11416.3
22.5°	15405.0	15845.8	16135.4	16255.8	16135.4	15845.8	15405.0	14811.0	14090.3	13314.4	12489.8
20°	17093.6	17639.8	18009.5	17998.4	18009.5	17639.8	17093.6	16338.8	15471.1	14536.5	13584.9
17.5°	18977.6	19682.2	20159.0	20228.0	20159.0	19682.2	18977.6	17980.8	16942.8	15857.5	14709.7
15°	20997.5	21905.8	22522.6	22713.8	22522.6	21905.8	20997.5	19825.7	18502.5	17203.5	15838.1
12.5°	23067.4	24147.8	24970.0	25243.4	24970.0	24147.8	23067.4	21678.1	20052.8	18539.7	16962.8
10°	25039.6	26236.3	27128.8	27523.8	27128.8	26236.3	25039.6	23391.3	21640.2	19848.6	17966.9
7.5°	26688.2	27904.2	28823.5	29148.7	28823.5	27904.2	26688.2	25028.5	22944.1	20950.4	18914.2
5°	27774.4	29102.8	29817.7	30219.6	29817.7	29102.8	27774.4	26035.4	23974.1	21789.6	19605.7
2.5°	28500.1	29626.6	30350.5	30720.5	30350.5	29626.6	28500.1	26787.9	24755.5	22371.9	20065.2
0°	28885.5	30032.7	30563.5	30743.5	30563.5	30032.7	28885.5	27172.9	25086.4	22609.9	20359.5
-2.5°	28500.1	29626.6	30350.5	30720.5	30350.5	29626.6	28500.1	26787.9	24755.5	22371.9	20065.2
-5°	27774.4	29102.8	29817.7	30219.6	29817.7	29102.8	27774.4	26035.4	23974.1	21789.6	19605.7
-7.5°	26688.2	27904.2	28823.5	29148.7	28823.5	27904.2	26688.2	25028.5	22944.1	20950.4	18914.2
-10°	25039.6	26236.3	27128.8	27523.8	27128.8	26236.3	25039.6	23391.3	21640.2	19848.6	17966.9
-12.5°	23067.4	24147.8	24970.0	25243.4	24970.0	24147.8	23067.4	21678.1	20052.8	18539.7	16962.8
-15°	20997.5	21905.8	22522.6	22713.8	22522.6	21905.8	20997.5	19825.7	18502.5	17203.5	15838.1
-17.5°	18977.6	19682.2	20159.0	20228.0	20159.0	19682.2	18977.6	17980.8	16942.8	15857.5	14709.7
-20°	17093.6	17639.8	18009.5	17998.4	18009.5	17639.8	17093.6	16338.8	15471.1	14536.5	13584.9



REPORT NUMBER: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15405.0	15845.8	16135.4	16255.8	16135.4	15845.8	15405.0	14811.0	14090.3	13314.4	12489.8
-25°	13852.8	14208.6	14419.9	14547.8	14419.9	14208.6	13852.8	13356.1	12760.5	12124.7	11416.3
-27.5°	12413.1	12698.5	12863.2	12992.1	12863.2	12698.5	12413.1	11999.2	11487.1	10943.9	10311.1
-30°	11063.5	11317.8	11475.7	11480.4	11475.7	11317.8	11063.5	10708.5	10275.4	9759.5	9185.6
-32.5°	9698.5	9931.0	10065.4	10035.5	10065.4	9931.0	9698.5	9377.1	8982.3	8475.3	7832.4
-35°	8237.3	8441.3	8562.2	8653.0	8562.2	8441.3	8237.3	7929.9	7504.1	6938.4	6233.5
-37.5°	6610.2	6857.9	6991.5	7007.3	6991.5	6857.9	6610.2	6237.9	5728.2	5117.6	4404.2
-40°	4604.5	4873.5	5031.9	5087.0	5031.9	4873.5	4604.5	4220.9	3717.8	3130.7	2614.5
-42.5°	2562.6	2724.5	2794.4	2753.5	2794.4	2724.5	2562.6	2328.4	2036.3	1686.5	1414.8
-45°	1311.7	1348.5	1382.3	1419.5	1382.3	1348.5	1311.7	1257.7	1198.6	1121.2	1029.1
-47.5°	995.4	1011.2	1032.0	1059.4	1032.0	1011.2	995.4	974.1	953.1	931.9	905.2
-50°	875.9	891.5	913.2	939.4	913.2	891.5	875.9	857.0	840.7	832.9	826.0
-52.5°	772.4	782.8	799.9	821.7	799.9	782.8	772.4	758.3	743.7	739.7	731.5
-55°	691.5	704.1	716.1	727.0	716.1	704.1	691.5	677.3	662.3	659.2	651.1
-57.5°	627.1	637.9	646.7	653.2	646.7	637.9	627.1	615.1	602.2	593.6	582.7
-60°	557.3	563.7	572.7	581.6	572.7	563.7	557.3	549.3	539.6	529.8	519.0
-62.5°	482.6	490.3	495.8	498.5	495.8	490.3	482.6	472.9	461.6	451.7	443.6
-65°	369.8	369.7	371.0	371.6	371.0	369.7	369.8	368.1	364.3	361.2	357.5
-67.5°	302.4	304.8	308.5	311.6	308.5	304.8	302.4	299.1	295.3	291.9	288.8
-70°	243.3	243.8	235.3	223.9	235.3	243.8	243.3	243.1	244.1	245.3	243.5
-72.5°	156.1	137.0	128.3	120.0	128.3	137.0	156.1	174.8	192.9	205.7	204.6
-75°	115.4	95.4	94.5	94.6	94.5	95.4	115.4	135.0	153.9	168.6	168.2
-77.5°	87.2	69.7	69.1	69.2	69.1	69.7	87.2	103.8	119.3	131.5	130.7
-80°	59.2	50.8	51.9	53.1	51.9	50.8	59.2	67.3	75.0	82.0	84.9
-82.5°	39.9	34.5	34.5	34.6	34.5	34.5	39.9	45.0	49.8	53.9	52.5
-85°	15.4	13.7	13.8	13.8	13.8	13.7	15.4	16.9	18.4	19.7	18.8
-87.5°	2.9	2.3	2.3	2.3	2.3	2.3	2.9	3.4	3.9	4.4	4.4
-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: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-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°	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3
85°	17.8	16.9	16.0	17.7	19.1	20.1	20.8	18.4	16.2	14.1	12.3
82.5°	50.8	48.8	46.8	47.0	47.2	47.1	46.5	40.9	35.5	30.5	26.5
80°	87.0	88.1	88.1	86.4	84.4	82.2	78.4	68.1	58.8	50.7	45.1
77.5°	129.9	129.2	128.2	125.2	122.2	119.2	113.4	98.2	83.5	70.2	63.1
75°	167.3	165.9	163.4	159.1	154.4	149.3	140.6	125.5	109.7	93.3	84.6
72.5°	203.0	201.0	197.4	192.0	186.1	180.0	171.4	158.3	142.1	122.6	113.0
70°	241.1	238.1	233.5	226.9	219.6	212.4	205.6	196.2	182.9	166.2	156.6
67.5°	284.7	279.5	274.6	267.6	260.7	251.9	245.9	238.0	227.9	213.7	203.0
65°	350.0	338.3	331.1	330.2	323.6	310.7	296.5	287.3	277.6	264.3	249.5
62.5°	436.8	431.7	418.5	404.2	393.2	384.0	366.6	347.5	330.9	315.8	298.2
60°	507.2	495.3	484.3	471.2	456.0	441.2	426.9	408.1	384.9	366.0	346.7
57.5°	568.6	557.0	549.6	537.1	519.2	504.2	488.5	469.5	446.7	419.3	395.1
55°	637.5	628.7	621.0	609.2	593.1	572.6	552.4	532.1	506.5	473.6	443.8
52.5°	719.5	708.8	697.1	684.6	665.7	640.5	616.6	592.6	562.9	527.2	491.0
50°	815.2	793.3	773.9	757.3	732.7	704.6	676.1	649.0	613.9	577.2	539.4
47.5°	887.0	868.2	846.4	822.4	794.6	764.5	732.6	698.6	661.8	623.6	583.8
45°	994.6	954.2	911.7	884.8	853.6	821.0	787.0	748.2	708.1	667.4	625.6
42.5°	1274.3	1122.8	1024.7	968.1	916.0	879.3	838.2	796.3	753.5	710.0	665.8
40°	2089.6	1500.5	1303.6	1111.9	1010.7	944.9	891.6	842.6	797.2	751.1	704.5
37.5°	3584.8	2750.0	2070.3	1455.9	1227.0	1034.1	953.9	890.6	838.9	790.9	741.8
35°	5463.0	4500.9	3386.5	2478.7	1644.8	1284.3	1036.4	947.5	881.5	829.4	777.7
32.5°	7094.5	6157.5	5080.8	3832.1	2685.2	1733.2	1279.7	1023.3	928.5	867.6	812.5
30°	8482.2	7616.5	6588.5	5344.7	3971.1	2678.2	1635.7	1217.5	998.6	903.8	845.9
27.5°	9614.4	8837.7	7875.3	6744.0	5342.9	3823.3	2481.8	1459.1	1103.8	958.2	877.5
25°	10654.2	9835.0	8932.1	7876.4	6601.1	5068.4	3407.8	2095.5	1310.6	1016.5	907.0
22.5°	11641.7	10771.6	9844.1	8821.0	7640.8	6175.9	4519.7	2803.5	1519.4	1121.8	952.6
20°	12596.4	11637.4	10670.9	9608.0	8429.3	7152.0	5526.5	3652.1	2115.4	1281.8	996.0
17.5°	13574.3	12476.8	11382.2	10300.3	9105.6	7823.2	6311.1	4505.3	2633.4	1425.9	1033.5
15°	14500.7	13274.6	12066.9	10877.3	9682.7	8383.1	6966.2	5265.2	3147.7	1717.3	1140.0
12.5°	15438.5	14011.3	12700.3	11366.6	10167.9	8850.4	7430.6	5783.9	3751.0	2074.1	1245.8
10°	16288.0	14687.2	13233.5	11822.2	10529.6	9223.1	7803.9	6200.8	4247.2	2367.6	1332.8
7.5°	17016.0	15275.0	13677.2	12193.5	10820.3	9534.1	8124.3	6533.4	4620.9	2594.2	1400.6
5°	17577.4	15704.4	14018.4	12498.1	11046.1	9746.2	8358.7	6775.6	4872.7	2753.4	1449.3
2.5°	17915.3	15964.6	14218.4	12687.0	11186.4	9867.1	8482.7	6930.5	5033.0	2856.1	1485.4
0°	18060.7	16043.4	14365.4	12814.4	11240.3	9917.8	8479.9	6988.8	5091.6	2894.3	1502.6
-2.5°	17915.3	15964.6	14218.4	12687.0	11186.4	9867.1	8482.7	6930.5	5033.0	2856.1	1485.4
-5°	17577.4	15704.4	14018.4	12498.1	11046.1	9746.2	8358.7	6775.6	4872.7	2753.4	1449.3
-7.5°	17016.0	15275.0	13677.2	12193.5	10820.3	9534.1	8124.3	6533.4	4620.9	2594.2	1400.6
-10°	16288.0	14687.2	13233.5	11822.2	10529.6	9223.1	7803.9	6200.8	4247.2	2367.6	1332.8
-12.5°	15438.5	14011.3	12700.3	11366.6	10167.9	8850.4	7430.6	5783.9	3751.0	2074.1	1245.8
-15°	14500.7	13274.6	12066.9	10877.3	9682.7	8383.1	6966.2	5265.2	3147.7	1717.3	1140.0
-17.5°	13574.3	12476.8	11382.2	10300.3	9105.6	7823.2	6311.1	4505.3	2633.4	1425.9	1033.5
-20°	12596.4	11637.4	10670.9	9608.0	8429.3	7152.0	5526.5	3652.1	2115.4	1281.8	996.0



REPORT NUMBER: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11641.7	10771.6	9844.1	8821.0	7640.8	6175.9	4519.7	2803.5	1519.4	1121.8	952.6
-25°	10654.2	9835.0	8932.1	7876.4	6601.1	5068.4	3407.8	2095.5	1310.6	1016.5	907.0
-27.5°	9614.4	8837.7	7875.3	6744.0	5342.9	3823.3	2481.8	1459.1	1103.8	958.2	877.5
-30°	8482.2	7616.5	6588.5	5344.7	3971.1	2678.2	1635.7	1217.5	998.6	903.8	845.9
-32.5°	7094.5	6157.5	5080.8	3832.1	2685.2	1733.2	1279.7	1023.3	928.5	867.6	812.5
-35°	5463.0	4500.9	3386.5	2478.7	1644.8	1284.3	1036.4	947.5	881.5	829.4	777.7
-37.5°	3584.8	2750.0	2070.3	1455.9	1227.0	1034.1	953.9	890.6	838.9	790.9	741.8
-40°	2089.6	1500.5	1303.6	1111.9	1010.7	944.9	891.6	842.6	797.2	751.1	704.5
-42.5°	1274.3	1122.8	1024.7	968.1	916.0	879.3	838.2	796.3	753.5	710.0	665.8
-45°	994.6	954.2	911.7	884.8	853.6	821.0	787.0	748.2	708.1	667.4	625.6
-47.5°	887.0	868.2	846.4	822.4	794.6	764.5	732.6	698.6	661.8	623.6	583.8
-50°	815.2	793.3	773.9	757.3	732.7	704.6	676.1	649.0	613.9	577.2	539.4
-52.5°	719.5	708.8	697.1	684.6	665.7	640.5	616.6	592.6	562.9	527.2	491.0
-55°	637.5	628.7	621.0	609.2	593.1	572.6	552.4	532.1	506.5	473.6	443.8
-57.5°	568.6	557.0	549.6	537.1	519.2	504.2	488.5	469.5	446.7	419.3	395.1
-60°	507.2	495.3	484.3	471.2	456.0	441.2	426.9	408.1	384.9	366.0	346.7
-62.5°	436.8	431.7	418.5	404.2	393.2	384.0	366.6	347.5	330.9	315.8	298.2
-65°	350.0	338.3	331.1	330.2	323.6	310.7	296.5	287.3	277.6	264.3	249.5
-67.5°	284.7	279.5	274.6	267.6	260.7	251.9	245.9	238.0	227.9	213.7	203.0
-70°	241.1	238.1	233.5	226.9	219.6	212.4	205.6	196.2	182.9	166.2	156.6
-72.5°	203.0	201.0	197.4	192.0	186.1	180.0	171.4	158.3	142.1	122.6	113.0
-75°	167.3	165.9	163.4	159.1	154.4	149.3	140.6	125.5	109.7	93.3	84.6
-77.5°	129.9	129.2	128.2	125.2	122.2	119.2	113.4	98.2	83.5	70.2	63.1
-80°	87.0	88.1	88.1	86.4	84.4	82.2	78.4	68.1	58.8	50.7	45.1
-82.5°	50.8	48.8	46.8	47.0	47.2	47.1	46.5	40.9	35.5	30.5	26.5
-85°	17.8	16.9	16.0	17.7	19.1	20.1	20.8	18.4	16.2	14.1	12.3
-87.5°	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-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°	3.9	4.4	4.9	5.3	5.6	5.8	5.8	5.8	5.5	5.1	4.7
85°	13.1	13.6	13.6	13.3	12.4	11.5	11.7	11.7	11.0	10.3	9.4
82.5°	27.6	28.6	29.2	29.2	27.3	25.4	23.3	21.2	18.9	15.8	14.1
80°	47.6	49.2	49.6	48.3	43.7	39.2	36.1	33.1	30.7	27.3	22.9
77.5°	67.8	70.9	72.2	70.6	64.2	57.9	51.6	46.0	42.5	38.8	33.8
75°	88.7	93.4	96.1	94.4	86.6	76.6	68.6	61.9	57.1	50.7	44.8
72.5°	115.1	117.4	119.9	119.4	112.5	102.5	89.6	78.1	72.6	65.4	56.5
70°	150.4	143.8	142.3	141.3	137.1	129.4	116.4	101.1	88.4	80.3	70.2
67.5°	193.6	184.6	175.2	165.2	160.2	153.2	142.9	125.0	108.3	95.2	84.0
65°	236.4	224.2	212.8	198.3	186.4	177.2	166.6	147.5	127.4	110.8	97.7
62.5°	280.0	262.2	246.9	230.0	214.2	201.3	190.0	168.3	145.8	125.7	110.1
60°	325.7	304.3	280.9	260.7	241.6	224.3	209.2	188.8	164.4	139.8	121.5
57.5°	372.1	346.9	318.5	291.9	269.1	248.0	227.4	206.7	182.7	155.6	131.5
55°	417.8	390.2	355.9	324.3	296.7	272.5	246.6	223.2	200.0	171.6	138.8
52.5°	458.6	429.8	395.7	357.5	324.3	295.9	267.3	239.3	214.7	187.3	148.8
50°	500.2	464.5	432.0	394.1	351.9	319.0	287.4	257.2	229.0	201.9	158.1
47.5°	543.5	501.9	463.8	428.3	385.3	341.4	307.6	274.8	243.0	214.4	166.3
45°	583.4	540.3	496.5	457.0	416.2	367.5	327.5	291.6	258.1	220.7	173.3
42.5°	621.2	576.1	530.3	484.9	442.2	393.2	346.6	308.8	272.5	225.7	178.2
40°	657.4	609.9	562.2	514.8	468.1	416.6	367.5	325.4	285.3	230.0	181.5
37.5°	691.8	642.1	592.1	543.4	494.5	440.8	386.8	341.3	291.6	234.7	183.8
35°	725.2	672.5	621.9	570.8	519.5	465.3	404.1	356.6	300.9	238.6	185.1
32.5°	757.0	702.3	650.1	597.2	543.1	490.0	423.5	370.6	312.2	241.8	185.4
30°	787.9	731.4	676.5	622.4	565.6	510.6	445.3	384.3	325.4	244.3	185.4
27.5°	817.4	758.2	701.2	645.4	587.3	529.6	466.5	397.8	340.3	249.0	186.6
25°	844.5	783.3	724.2	666.6	607.8	547.8	486.2	411.0	352.7	259.1	187.1
22.5°	869.6	806.0	745.0	685.9	627.7	565.3	502.8	427.2	362.9	269.5	186.8
20°	892.5	826.2	764.4	706.3	645.8	582.1	516.9	441.9	372.5	280.1	185.9
17.5°	915.3	847.3	786.8	725.7	662.5	597.3	530.1	455.1	381.3	290.6	184.1
15°	951.4	870.2	807.1	744.0	678.0	610.8	542.2	466.6	389.4	300.7	183.6
12.5°	983.8	890.6	825.4	760.8	692.1	622.8	553.0	476.6	396.5	307.7	184.3
10°	1011.1	908.5	841.5	776.1	704.8	633.1	562.6	485.0	402.5	310.5	183.9
7.5°	1033.5	923.9	855.4	789.7	716.5	642.9	571.4	492.2	408.3	310.8	182.4
5°	1052.7	940.6	872.9	804.6	730.4	652.7	578.9	497.6	413.5	308.7	180.0
2.5°	1074.6	960.9	892.2	817.7	742.4	660.7	584.6	501.3	417.6	304.3	176.9
0°	1091.7	978.6	909.4	828.6	752.4	667.0	588.6	503.2	420.1	297.7	173.1
-2.5°	1074.6	960.9	892.2	817.7	742.4	660.7	584.6	501.3	417.6	304.3	176.9
-5°	1052.7	940.6	872.9	804.6	730.4	652.7	578.9	497.6	413.5	308.7	180.0
-7.5°	1033.5	923.9	855.4	789.7	716.5	642.9	571.4	492.2	408.3	310.8	182.4
-10°	1011.1	908.5	841.5	776.1	704.8	633.1	562.6	485.0	402.5	310.5	183.9
-12.5°	983.8	890.6	825.4	760.8	692.1	622.8	553.0	476.6	396.5	307.7	184.3
-15°	951.4	870.2	807.1	744.0	678.0	610.8	542.2	466.6	389.4	300.7	183.6
-17.5°	915.3	847.3	786.8	725.7	662.5	597.3	530.1	455.1	381.3	290.6	184.1
-20°	892.5	826.2	764.4	706.3	645.8	582.1	516.9	441.9	372.5	280.1	185.9



REPORT NUMBER: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	869.6	806.0	745.0	685.9	627.7	565.3	502.8	427.2	362.9	269.5	186.8
-25°	844.5	783.3	724.2	666.6	607.8	547.8	486.2	411.0	352.7	259.1	187.1
-27.5°	817.4	758.2	701.2	645.4	587.3	529.6	466.5	397.8	340.3	249.0	186.6
-30°	787.9	731.4	676.5	622.4	565.6	510.6	445.3	384.3	325.4	244.3	185.4
-32.5°	757.0	702.3	650.1	597.2	543.1	490.0	423.5	370.6	312.2	241.8	185.4
-35°	725.2	672.5	621.9	570.8	519.5	465.3	404.1	356.6	300.9	238.6	185.1
-37.5°	691.8	642.1	592.1	543.4	494.5	440.8	386.8	341.3	291.6	234.7	183.8
-40°	657.4	609.9	562.2	514.8	468.1	416.6	367.5	325.4	285.3	230.0	181.5
-42.5°	621.2	576.1	530.3	484.9	442.2	393.2	346.6	308.8	272.5	225.7	178.2
-45°	583.4	540.3	496.5	457.0	416.2	367.5	327.5	291.6	258.1	220.7	173.3
-47.5°	543.5	501.9	463.8	428.3	385.3	341.4	307.6	274.8	243.0	214.4	166.3
-50°	500.2	464.5	432.0	394.1	351.9	319.0	287.4	257.2	229.0	201.9	158.1
-52.5°	458.6	429.8	395.7	357.5	324.3	295.9	267.3	239.3	214.7	187.3	148.8
-55°	417.8	390.2	355.9	324.3	296.7	272.5	246.6	223.2	200.0	171.6	138.8
-57.5°	372.1	346.9	318.5	291.9	269.1	248.0	227.4	206.7	182.7	155.6	131.5
-60°	325.7	304.3	280.9	260.7	241.6	224.3	209.2	188.8	164.4	139.8	121.5
-62.5°	280.0	262.2	246.9	230.0	214.2	201.3	190.0	168.3	145.8	125.7	110.1
-65°	236.4	224.2	212.8	198.3	186.4	177.2	166.6	147.5	127.4	110.8	97.7
-67.5°	193.6	184.6	175.2	165.2	160.2	153.2	142.9	125.0	108.3	95.2	84.0
-70°	150.4	143.8	142.3	141.3	137.1	129.4	116.4	101.1	88.4	80.3	70.2
-72.5°	115.1	117.4	119.9	119.4	112.5	102.5	89.6	78.1	72.6	65.4	56.5
-75°	88.7	93.4	96.1	94.4	86.6	76.6	68.6	61.9	57.1	50.7	44.8
-77.5°	67.8	70.9	72.2	70.6	64.2	57.9	51.6	46.0	42.5	38.8	33.8
-80°	47.6	49.2	49.6	48.3	43.7	39.2	36.1	33.1	30.7	27.3	22.9
-82.5°	27.6	28.6	29.2	29.2	27.3	25.4	23.3	21.2	18.9	15.8	14.1
-85°	13.1	13.6	13.6	13.3	12.4	11.5	11.7	11.7	11.0	10.3	9.4
-87.5°	3.9	4.4	4.9	5.3	5.6	5.8	5.8	5.8	5.5	5.1	4.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-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°	4.2	3.2	2.4	1.7	1.0	0.5	0.0
85°	8.4	6.5	4.8	3.3	2.0	1.0	0.0
82.5°	12.5	9.7	7.2	4.9	3.0	1.5	0.0
80°	17.3	12.9	9.5	6.6	4.0	2.0	0.0
77.5°	27.1	17.6	11.8	8.2	5.0	2.5	0.0
75°	36.7	25.0	14.7	9.7	5.9	3.0	0.0
72.5°	46.1	32.3	20.1	11.3	6.9	3.5	0.0
70°	55.5	39.5	25.4	13.2	7.9	3.9	0.0
67.5°	66.4	46.3	30.6	16.8	8.8	4.4	0.0
65°	76.9	53.7	35.6	20.2	9.7	4.9	0.0
62.5°	87.0	61.6	40.3	23.6	10.6	5.3	0.0
60°	96.5	69.0	44.9	26.8	11.5	5.7	0.0
57.5°	103.0	76.0	50.2	29.9	13.5	6.2	0.0
55°	108.4	82.7	55.2	32.9	15.5	6.6	0.0
52.5°	113.1	88.4	59.9	35.7	17.4	7.0	0.0
50°	117.0	91.2	64.3	38.3	19.2	7.4	0.0
47.5°	120.6	93.4	68.3	40.9	21.0	7.8	0.0
45°	126.4	95.1	72.0	43.6	22.7	8.1	0.0
42.5°	131.4	96.3	75.4	46.1	24.3	8.5	0.0
40°	135.4	96.8	77.1	48.8	25.8	8.8	0.0
37.5°	138.5	96.8	77.3	51.5	27.2	9.1	0.0
35°	140.8	98.0	77.2	54.2	28.5	9.4	0.0
32.5°	141.9	99.5	76.8	56.8	29.8	9.7	0.0
30°	141.8	100.4	76.0	59.3	30.9	10.0	0.0
27.5°	140.9	100.7	76.8	61.7	32.0	10.2	0.0
25°	139.4	100.4	77.7	64.0	32.9	10.4	0.0
22.5°	137.2	100.6	78.5	66.2	33.8	10.6	0.0
20°	134.3	103.2	79.1	68.2	34.5	10.8	0.0
17.5°	134.5	105.5	79.6	70.1	35.2	11.0	0.0
15°	136.5	107.5	80.0	71.9	35.7	11.1	0.0
12.5°	138.1	109.2	80.3	73.5	36.2	11.2	0.0
10°	139.3	110.6	80.5	74.9	36.5	11.3	0.0
7.5°	140.2	111.7	80.7	76.1	36.8	11.4	0.0
5°	140.8	112.5	80.7	77.1	36.9	11.5	0.0
2.5°	140.9	112.9	80.8	77.9	37.0	11.5	0.0
0°	140.8	113.1	80.8	78.5	36.9	11.5	0.0
-2.5°	140.9	112.9	80.8	77.9	37.0	11.5	0.0
-5°	140.8	112.5	80.7	77.1	36.9	11.5	0.0
-7.5°	140.2	111.7	80.7	76.1	36.8	11.4	0.0
-10°	139.3	110.6	80.5	74.9	36.5	11.3	0.0
-12.5°	138.1	109.2	80.3	73.5	36.2	11.2	0.0
-15°	136.5	107.5	80.0	71.9	35.7	11.1	0.0
-17.5°	134.5	105.5	79.6	70.1	35.2	11.0	0.0
-20°	134.3	103.2	79.1	68.2	34.5	10.8	0.0



REPORT NUMBER: P559077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	137.2	100.6	78.5	66.2	33.8	10.6	0.0
-25°	139.4	100.4	77.7	64.0	32.9	10.4	0.0
-27.5°	140.9	100.7	76.8	61.7	32.0	10.2	0.0
-30°	141.8	100.4	76.0	59.3	30.9	10.0	0.0
-32.5°	141.9	99.5	76.8	56.8	29.8	9.7	0.0
-35°	140.8	98.0	77.2	54.2	28.5	9.4	0.0
-37.5°	138.5	96.8	77.3	51.5	27.2	9.1	0.0
-40°	135.4	96.8	77.1	48.8	25.8	8.8	0.0
-42.5°	131.4	96.3	75.4	46.1	24.3	8.5	0.0
-45°	126.4	95.1	72.0	43.6	22.7	8.1	0.0
-47.5°	120.6	93.4	68.3	40.9	21.0	7.8	0.0
-50°	117.0	91.2	64.3	38.3	19.2	7.4	0.0
-52.5°	113.1	88.4	59.9	35.7	17.4	7.0	0.0
-55°	108.4	82.7	55.2	32.9	15.5	6.6	0.0
-57.5°	103.0	76.0	50.2	29.9	13.5	6.2	0.0
-60°	96.5	69.0	44.9	26.8	11.5	5.7	0.0
-62.5°	87.0	61.6	40.3	23.6	10.6	5.3	0.0
-65°	76.9	53.7	35.6	20.2	9.7	4.9	0.0
-67.5°	66.4	46.3	30.6	16.8	8.8	4.4	0.0
-70°	55.5	39.5	25.4	13.2	7.9	3.9	0.0
-72.5°	46.1	32.3	20.1	11.3	6.9	3.5	0.0
-75°	36.7	25.0	14.7	9.7	5.9	3.0	0.0
-77.5°	27.1	17.6	11.8	8.2	5.0	2.5	0.0
-80°	17.3	12.9	9.5	6.6	4.0	2.0	0.0
-82.5°	12.5	9.7	7.2	4.9	3.0	1.5	0.0
-85°	8.4	6.5	4.8	3.3	2.0	1.0	0.0
-87.5°	4.2	3.2	2.4	1.7	1.0	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)