

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: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-930-U-MWR-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558981 (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-SA4E-930-U-MWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

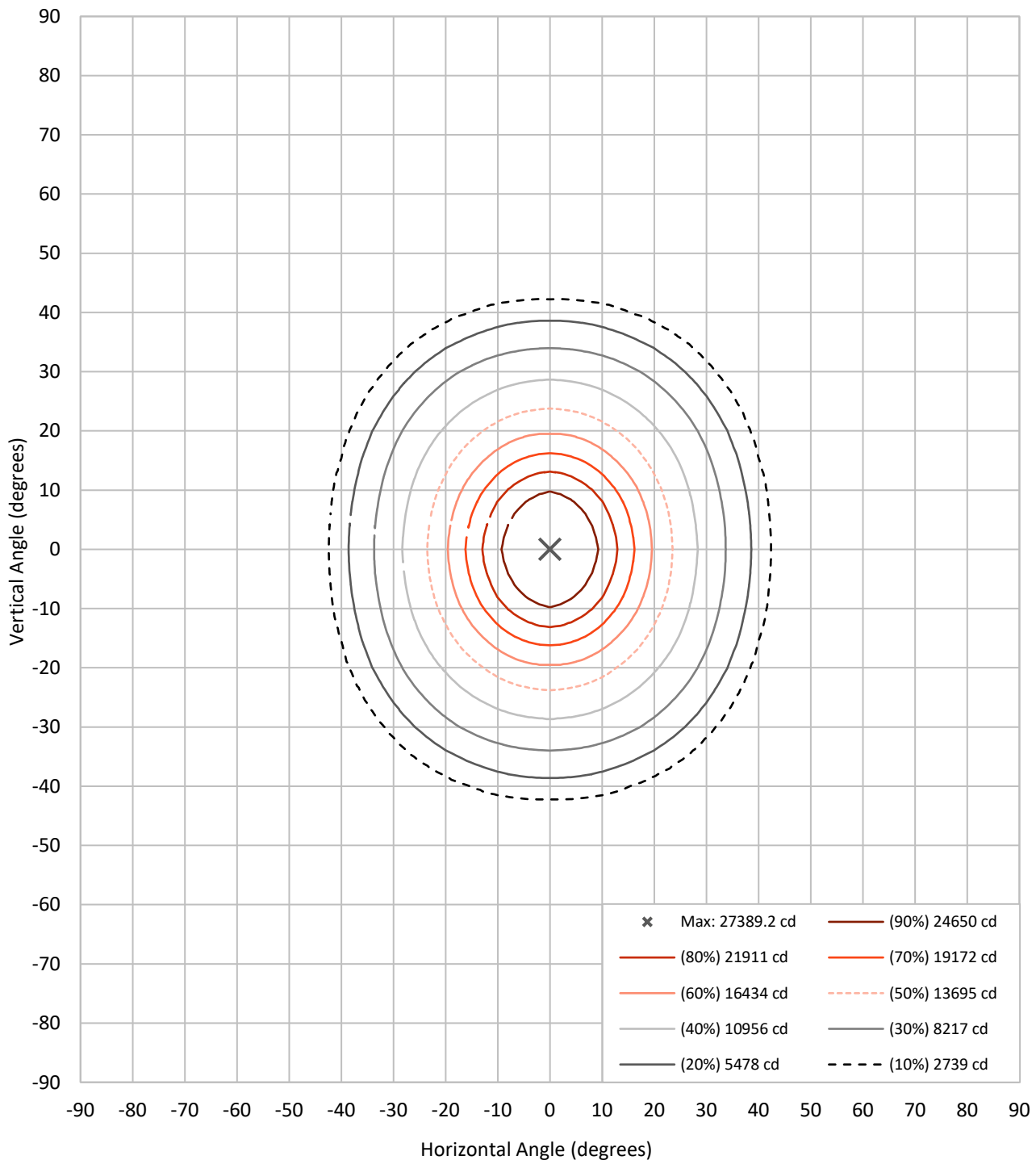
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	21321 lumens	Max Intensity:	27389.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	85.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	47°H x 47.6°V	Field Angle (10%):	84.6°H x 84.3°V
Beam Lumens:	10060.6 lumens	Field Lumens:	19359.4 lumens
Beam Efficiency:	47.2%	Field Efficiency:	90.8%

Input Watts (W): 250
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-930-U-MWR-XX

Iso-Candela Plot





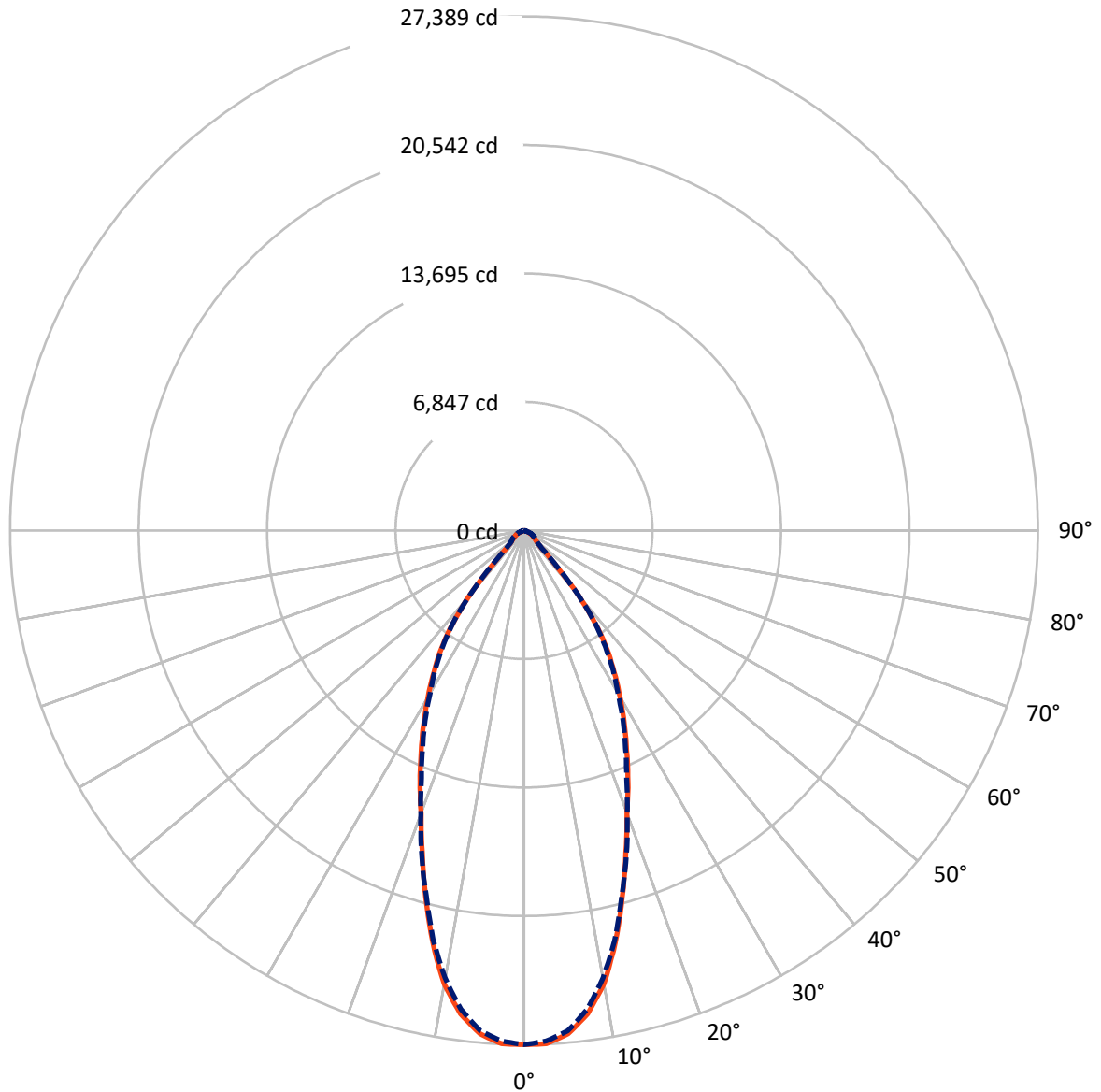
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Lumen Table

90																
80	0.3	2.6		5.9		9.6		7.5		9.6		5.9		2.6		0.3
70																
60	1.5	1.7	3.1	4.8	6.8	8.5	9.8	10.6	10.6	9.8	8.5	6.8	4.8	3.1	1.7	1.5
50		2.6	5.1	8.5	12.3	15.3	17.5	19.3	19.3	17.5	15.3	12.3	8.5	5.1	2.6	
40	2.3	3.4	7.1	12.0	17.5	23.9	37.9	53.0	53.0	37.9	23.9	17.5	12.0	7.1	3.4	2.3
30		4.1	8.9	15.0	28.1	89.9	174.9	222.9	222.9	174.9	89.9	28.1	15.0	8.9	4.1	
20	2.5	4.8	10.4	18.7	82.2	214.6	316.7	383.5	383.5	316.7	214.6	82.2	18.7	10.4	4.8	2.5
10		5.4	11.6	28.7	149.4	296.3	450.1	585.9	585.9	450.1	296.3	149.4	28.7	11.6	5.4	
0	2.6	5.7	12.5	39.6	182.0	345.7	566.2	765.8	765.8	566.2	345.7	182.0	39.6	12.5	5.7	2.6
-10		5.7	12.5	39.6	182.0	345.7	566.2	765.8	765.8	566.2	345.7	182.0	39.6	12.5	5.7	
-20	2.5	5.4	11.6	28.7	149.4	296.3	450.1	585.9	585.9	450.1	296.3	149.4	28.7	11.6	5.4	2.5
-30		4.8	10.4	18.7	82.2	214.6	316.7	383.5	383.5	316.7	214.6	82.2	18.7	10.4	4.8	
-40	2.3	4.1	8.9	15.0	28.1	89.9	174.9	222.9	222.9	174.9	89.9	28.1	15.0	8.9	4.1	2.3
-50		3.4	7.1	12.0	17.5	23.9	37.9	53.0	53.0	37.9	23.9	17.5	12.0	7.1	3.4	
-60	1.5	2.6	5.1	8.5	12.3	15.3	17.5	19.3	19.3	17.5	15.3	12.3	8.5	5.1	2.6	1.5
-70		1.7	3.1	4.8	6.8	8.5	9.8	10.6	10.6	9.8	8.5	6.8	4.8	3.1	1.7	
-80																
-90	0.3	2.6		5.9		9.6		7.5		9.6		5.9		2.6		0.3

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CATALOG NUMBER: GFLD-SA4E-930-U-MWR-XX

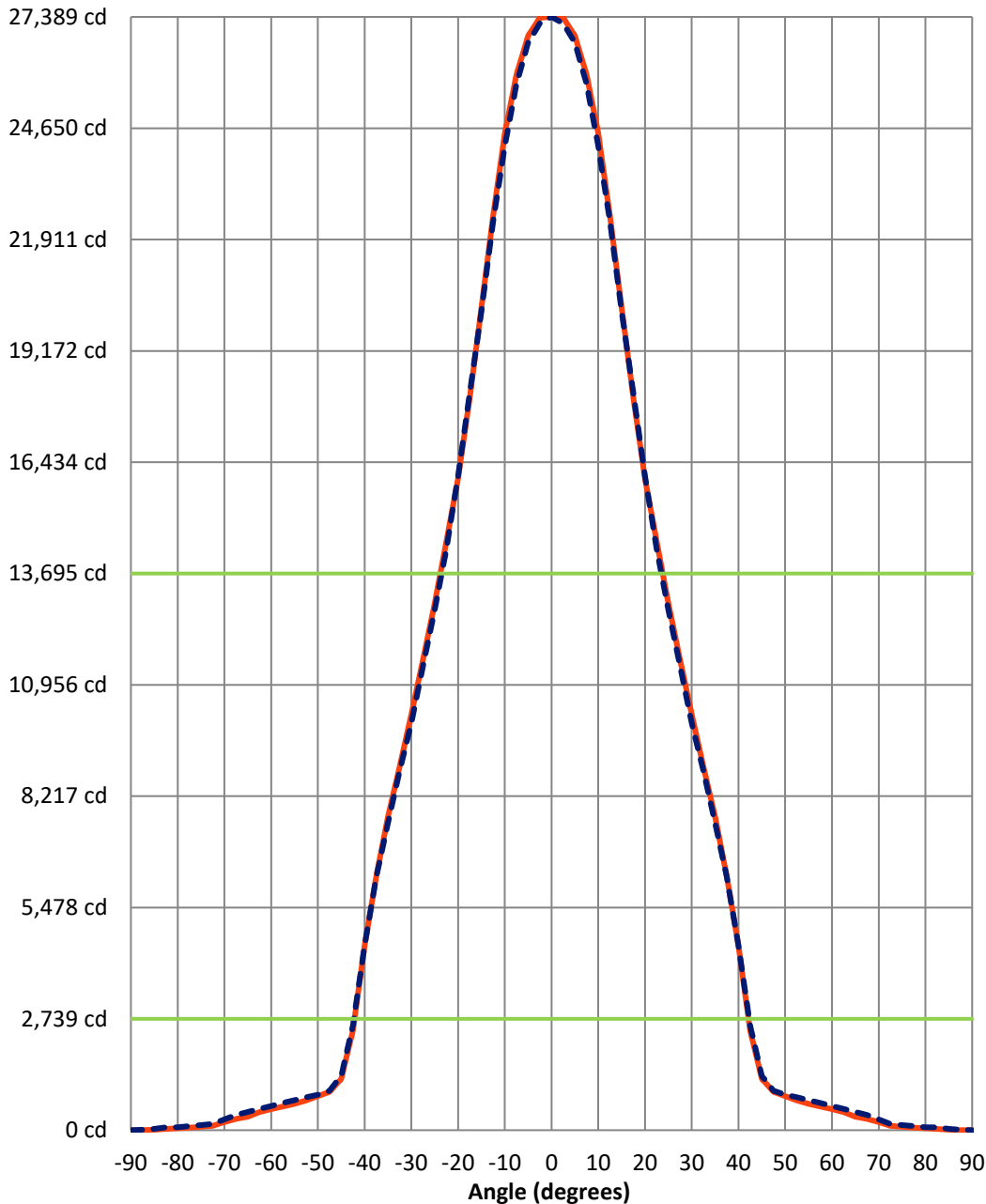
Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GFLD-SA4E-930-U-MWR-XX

Luminous Intensity Plot



Beam:
H Angle: 47°
V Angle: 47.6°
Lumens: 10060.6
Efficiency: 47.2%

Field:
H Angle: 84.6°
V Angle: 84.3°
Lumens: 19359.4
Efficiency: 90.8%

Spill:
Lumens: 1961.6
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	0.4	0.9	1.5	2.1	2.9	3.7	4.2	4.6	4.9	5.2
85°	0.0	0.9	1.8	2.9	4.3	5.8	7.4	8.3	9.1	9.8	10.4
82.5°	0.0	1.3	2.7	4.4	6.4	8.6	11.1	12.5	14.1	16.8	18.9
80°	0.0	1.8	3.6	5.9	8.5	11.5	15.4	20.4	24.3	27.3	29.5
77.5°	0.0	2.2	4.5	7.3	10.6	15.6	24.1	30.1	34.6	37.9	41.0
75°	0.0	2.7	5.3	8.7	13.1	22.3	32.7	39.9	45.1	50.8	55.2
72.5°	0.0	3.1	6.2	10.1	18.0	28.8	41.0	50.3	58.3	64.7	69.5
70°	0.0	3.5	7.0	11.8	22.7	35.1	49.4	62.5	71.5	78.7	90.0
67.5°	0.0	3.9	7.9	15.0	27.3	41.3	59.1	74.7	84.7	96.5	111.3
65°	0.0	4.4	8.7	18.1	31.7	47.9	68.5	87.0	98.7	113.5	131.3
62.5°	0.0	4.8	9.5	21.1	36.0	54.8	77.4	98.1	111.9	129.8	149.9
60°	0.0	5.1	10.3	23.9	40.0	61.4	85.9	108.2	124.5	146.4	168.2
57.5°	0.0	5.5	12.1	26.7	44.7	67.7	91.7	117.2	138.6	162.8	184.1
55°	0.0	5.9	13.9	29.3	49.2	73.6	96.6	123.7	152.9	178.2	198.8
52.5°	0.0	6.3	15.6	31.8	53.3	78.6	100.8	132.6	166.9	191.2	213.2
50°	0.0	6.6	17.2	34.2	57.2	81.2	104.2	140.9	179.8	204.0	229.2
47.5°	0.0	7.0	18.8	36.5	60.8	83.2	107.4	148.1	191.0	216.5	244.8
45°	0.0	7.3	20.3	38.9	64.1	84.7	112.6	154.4	196.6	229.9	259.8
42.5°	0.0	7.6	21.7	41.1	67.1	85.7	117.0	158.8	201.0	242.8	275.1
40°	0.0	7.9	23.0	43.5	68.6	86.2	120.6	161.7	204.9	254.2	289.9
37.5°	0.0	8.2	24.3	45.9	68.8	86.2	123.4	163.7	209.1	259.8	304.1
35°	0.0	8.4	25.5	48.3	68.7	87.3	125.4	164.9	212.6	268.1	317.7
32.5°	0.0	8.7	26.6	50.6	68.4	88.7	126.4	165.1	215.5	278.2	330.2
30°	0.0	8.9	27.6	52.8	67.7	89.5	126.3	165.1	217.6	289.9	342.4
27.5°	0.0	9.1	28.5	55.0	68.4	89.7	125.6	166.2	221.9	303.2	354.4
25°	0.0	9.3	29.4	57.0	69.2	89.5	124.2	166.7	230.8	314.2	366.2
22.5°	0.0	9.5	30.1	58.9	69.9	89.7	122.2	166.4	240.1	323.3	380.7
20°	0.0	9.7	30.8	60.8	70.4	92.0	119.6	165.6	249.6	331.9	393.8
17.5°	0.0	9.8	31.4	62.4	70.9	94.0	119.8	164.0	258.9	339.8	405.5
15°	0.0	9.9	31.9	64.0	71.3	95.8	121.6	163.5	267.9	346.9	415.8
12.5°	0.0	10.1	32.3	65.4	71.5	97.3	123.0	164.2	274.1	353.3	424.6
10°	0.0	10.1	32.6	66.7	71.7	98.6	124.1	163.8	276.7	358.6	432.1
7.5°	0.0	10.2	32.8	67.8	71.9	99.5	124.9	162.5	276.9	363.8	438.5
5°	0.0	10.3	32.9	68.7	72.0	100.2	125.4	160.3	275.1	368.4	443.3
2.5°	0.0	10.3	32.9	69.4	72.0	100.7	125.5	157.5	271.1	372.0	446.6
0°	0.0	10.3	32.9	69.9	72.0	100.8	125.4	154.2	265.3	374.2	448.3
-2.5°	0.0	10.3	32.9	69.4	72.0	100.7	125.5	157.5	271.1	372.0	446.6
-5°	0.0	10.3	32.9	68.7	72.0	100.2	125.4	160.3	275.1	368.4	443.3
-7.5°	0.0	10.2	32.8	67.8	71.9	99.5	124.9	162.5	276.9	363.8	438.5
-10°	0.0	10.1	32.6	66.7	71.7	98.6	124.1	163.8	276.7	358.6	432.1
-12.5°	0.0	10.1	32.3	65.4	71.5	97.3	123.0	164.2	274.1	353.3	424.6
-15°	0.0	9.9	31.9	64.0	71.3	95.8	121.6	163.5	267.9	346.9	415.8
-17.5°	0.0	9.8	31.4	62.4	70.9	94.0	119.8	164.0	258.9	339.8	405.5
-20°	0.0	9.7	30.8	60.8	70.4	92.0	119.6	165.6	249.6	331.9	393.8



REPORT NUMBER: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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	9.5	30.1	58.9	69.9	89.7	122.2	166.4	240.1	323.3	380.7
-25°	0.0	9.3	29.4	57.0	69.2	89.5	124.2	166.7	230.8	314.2	366.2
-27.5°	0.0	9.1	28.5	55.0	68.4	89.7	125.6	166.2	221.9	303.2	354.4
-30°	0.0	8.9	27.6	52.8	67.7	89.5	126.3	165.1	217.6	289.9	342.4
-32.5°	0.0	8.7	26.6	50.6	68.4	88.7	126.4	165.1	215.5	278.2	330.2
-35°	0.0	8.4	25.5	48.3	68.7	87.3	125.4	164.9	212.6	268.1	317.7
-37.5°	0.0	8.2	24.3	45.9	68.8	86.2	123.4	163.7	209.1	259.8	304.1
-40°	0.0	7.9	23.0	43.5	68.6	86.2	120.6	161.7	204.9	254.2	289.9
-42.5°	0.0	7.6	21.7	41.1	67.1	85.7	117.0	158.8	201.0	242.8	275.1
-45°	0.0	7.3	20.3	38.9	64.1	84.7	112.6	154.4	196.6	229.9	259.8
-47.5°	0.0	7.0	18.8	36.5	60.8	83.2	107.4	148.1	191.0	216.5	244.8
-50°	0.0	6.6	17.2	34.2	57.2	81.2	104.2	140.9	179.8	204.0	229.2
-52.5°	0.0	6.3	15.6	31.8	53.3	78.6	100.8	132.6	166.9	191.2	213.2
-55°	0.0	5.9	13.9	29.3	49.2	73.6	96.6	123.7	152.9	178.2	198.8
-57.5°	0.0	5.5	12.1	26.7	44.7	67.7	91.7	117.2	138.6	162.8	184.1
-60°	0.0	5.1	10.3	23.9	40.0	61.4	85.9	108.2	124.5	146.4	168.2
-62.5°	0.0	4.8	9.5	21.1	36.0	54.8	77.4	98.1	111.9	129.8	149.9
-65°	0.0	4.4	8.7	18.1	31.7	47.9	68.5	87.0	98.7	113.5	131.3
-67.5°	0.0	3.9	7.9	15.0	27.3	41.3	59.1	74.7	84.7	96.5	111.3
-70°	0.0	3.5	7.0	11.8	22.7	35.1	49.4	62.5	71.5	78.7	90.0
-72.5°	0.0	3.1	6.2	10.1	18.0	28.8	41.0	50.3	58.3	64.7	69.5
-75°	0.0	2.7	5.3	8.7	13.1	22.3	32.7	39.9	45.1	50.8	55.2
-77.5°	0.0	2.2	4.5	7.3	10.6	15.6	24.1	30.1	34.6	37.9	41.0
-80°	0.0	1.8	3.6	5.9	8.5	11.5	15.4	20.4	24.3	27.3	29.5
-82.5°	0.0	1.3	2.7	4.4	6.4	8.6	11.1	12.5	14.1	16.8	18.9
-85°	0.0	0.9	1.8	2.9	4.3	5.8	7.4	8.3	9.1	9.8	10.4
-87.5°	0.0	0.4	0.9	1.5	2.1	2.9	3.7	4.2	4.6	4.9	5.2
-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: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	5.2	5.1	5.0	4.7	4.4	4.0	3.5	2.9	3.0	3.1	3.3
85°	10.4	10.3	11.1	11.9	12.1	12.1	11.7	11.0	12.6	14.5	16.4
82.5°	20.8	22.6	24.3	26.0	26.1	25.5	24.6	23.6	27.2	31.6	36.4
80°	32.2	34.9	39.0	43.1	44.2	43.8	42.4	40.1	45.2	52.4	60.7
77.5°	46.0	51.6	57.2	62.9	64.3	63.2	60.4	56.2	62.5	74.4	87.5
75°	61.1	68.2	77.1	84.1	85.7	83.2	79.0	75.3	83.1	97.7	111.8
72.5°	79.8	91.3	100.2	106.4	106.8	104.6	102.5	100.6	109.2	126.6	141.1
70°	103.7	115.3	122.1	125.9	126.8	128.1	134.0	139.5	148.1	163.0	174.8
67.5°	127.3	136.5	142.7	147.2	156.1	164.4	172.5	180.8	190.4	203.1	212.0
65°	148.4	157.8	166.0	176.6	189.6	199.7	210.5	222.3	235.4	247.3	255.9
62.5°	169.2	179.3	190.8	204.9	219.9	233.5	249.4	265.7	281.4	294.8	309.6
60°	186.3	199.9	215.2	232.2	250.2	271.0	290.1	308.9	326.1	342.9	363.7
57.5°	202.6	221.0	239.7	260.0	283.7	309.0	331.4	352.0	373.6	398.0	418.3
55°	219.7	242.8	264.3	288.9	317.1	347.6	372.2	395.3	421.9	451.3	474.1
52.5°	238.2	263.6	288.9	318.4	352.5	382.8	408.5	437.4	469.7	501.5	528.0
50°	256.1	284.2	313.5	351.0	384.8	413.8	445.6	480.6	514.2	546.9	578.2
47.5°	274.1	304.1	343.2	381.5	413.1	447.1	484.3	520.1	555.5	589.6	622.4
45°	291.8	327.4	370.8	407.2	442.3	481.3	519.7	557.3	594.6	630.8	666.6
42.5°	308.8	350.3	394.0	432.0	472.5	513.2	553.4	593.2	632.5	671.3	709.4
40°	327.4	371.1	417.1	458.6	500.9	543.4	585.6	627.7	669.1	710.2	750.7
37.5°	344.6	392.7	440.5	484.1	527.5	572.0	616.4	660.9	704.6	747.4	793.4
35°	360.0	414.5	462.9	508.5	554.0	599.2	646.1	692.9	738.9	785.4	844.1
32.5°	377.3	436.5	483.9	532.0	579.2	625.7	674.4	723.9	772.9	827.1	911.7
30°	396.7	454.9	503.9	554.4	602.7	651.6	701.9	753.6	805.2	889.6	1084.7
27.5°	415.6	471.8	523.3	575.0	624.7	675.5	728.2	781.7	853.6	983.4	1299.9
25°	433.1	488.0	541.5	593.8	645.2	697.8	752.4	808.0	905.6	1167.6	1866.8
22.5°	447.9	503.7	559.2	611.1	663.7	718.1	774.8	848.6	999.4	1353.7	2497.6
20°	460.5	518.6	575.3	629.3	681.0	736.1	795.1	887.3	1142.0	1884.6	3253.6
17.5°	472.3	532.1	590.2	646.6	700.9	754.9	815.5	920.8	1270.3	2346.1	4013.7
15°	483.0	544.2	604.0	662.8	719.1	775.3	847.6	1015.7	1529.9	2804.2	4690.7
12.5°	492.7	554.8	616.7	677.8	735.3	793.4	876.5	1109.9	1847.8	3341.7	5152.8
10°	501.2	564.0	627.9	691.5	749.7	809.4	900.8	1187.4	2109.2	3783.7	5524.2
7.5°	509.1	572.8	638.4	703.6	762.1	823.1	920.7	1247.8	2311.1	4116.7	5820.5
5°	515.7	581.5	650.7	716.8	777.6	838.0	937.8	1291.1	2453.0	4341.0	6036.3
2.5°	520.8	588.7	661.4	728.5	794.9	856.0	957.3	1323.3	2544.5	4483.9	6174.3
0°	524.3	594.3	670.3	738.2	810.2	871.8	972.6	1338.6	2578.5	4536.1	6226.3
-2.5°	520.8	588.7	661.4	728.5	794.9	856.0	957.3	1323.3	2544.5	4483.9	6174.3
-5°	515.7	581.5	650.7	716.8	777.6	838.0	937.8	1291.1	2453.0	4341.0	6036.3
-7.5°	509.1	572.8	638.4	703.6	762.1	823.1	920.7	1247.8	2311.1	4116.7	5820.5
-10°	501.2	564.0	627.9	691.5	749.7	809.4	900.8	1187.4	2109.2	3783.7	5524.2
-12.5°	492.7	554.8	616.7	677.8	735.3	793.4	876.5	1109.9	1847.8	3341.7	5152.8
-15°	483.0	544.2	604.0	662.8	719.1	775.3	847.6	1015.7	1529.9	2804.2	4690.7
-17.5°	472.3	532.1	590.2	646.6	700.9	754.9	815.5	920.8	1270.3	2346.1	4013.7
-20°	460.5	518.6	575.3	629.3	681.0	736.1	795.1	887.3	1142.0	1884.6	3253.6



REPORT NUMBER: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	447.9	503.7	559.2	611.1	663.7	718.1	774.8	848.6	999.4	1353.7	2497.6
-25°	433.1	488.0	541.5	593.8	645.2	697.8	752.4	808.0	905.6	1167.6	1866.8
-27.5°	415.6	471.8	523.3	575.0	624.7	675.5	728.2	781.7	853.6	983.4	1299.9
-30°	396.7	454.9	503.9	554.4	602.7	651.6	701.9	753.6	805.2	889.6	1084.7
-32.5°	377.3	436.5	483.9	532.0	579.2	625.7	674.4	723.9	772.9	827.1	911.7
-35°	360.0	414.5	462.9	508.5	554.0	599.2	646.1	692.9	738.9	785.4	844.1
-37.5°	344.6	392.7	440.5	484.1	527.5	572.0	616.4	660.9	704.6	747.4	793.4
-40°	327.4	371.1	417.1	458.6	500.9	543.4	585.6	627.7	669.1	710.2	750.7
-42.5°	308.8	350.3	394.0	432.0	472.5	513.2	553.4	593.2	632.5	671.3	709.4
-45°	291.8	327.4	370.8	407.2	442.3	481.3	519.7	557.3	594.6	630.8	666.6
-47.5°	274.1	304.1	343.2	381.5	413.1	447.1	484.3	520.1	555.5	589.6	622.4
-50°	256.1	284.2	313.5	351.0	384.8	413.8	445.6	480.6	514.2	546.9	578.2
-52.5°	238.2	263.6	288.9	318.4	352.5	382.8	408.5	437.4	469.7	501.5	528.0
-55°	219.7	242.8	264.3	288.9	317.1	347.6	372.2	395.3	421.9	451.3	474.1
-57.5°	202.6	221.0	239.7	260.0	283.7	309.0	331.4	352.0	373.6	398.0	418.3
-60°	186.3	199.9	215.2	232.2	250.2	271.0	290.1	308.9	326.1	342.9	363.7
-62.5°	169.2	179.3	190.8	204.9	219.9	233.5	249.4	265.7	281.4	294.8	309.6
-65°	148.4	157.8	166.0	176.6	189.6	199.7	210.5	222.3	235.4	247.3	255.9
-67.5°	127.3	136.5	142.7	147.2	156.1	164.4	172.5	180.8	190.4	203.1	212.0
-70°	103.7	115.3	122.1	125.9	126.8	128.1	134.0	139.5	148.1	163.0	174.8
-72.5°	79.8	91.3	100.2	106.4	106.8	104.6	102.5	100.6	109.2	126.6	141.1
-75°	61.1	68.2	77.1	84.1	85.7	83.2	79.0	75.3	83.1	97.7	111.8
-77.5°	46.0	51.6	57.2	62.9	64.3	63.2	60.4	56.2	62.5	74.4	87.5
-80°	32.2	34.9	39.0	43.1	44.2	43.8	42.4	40.1	45.2	52.4	60.7
-82.5°	20.8	22.6	24.3	26.0	26.1	25.5	24.6	23.6	27.2	31.6	36.4
-85°	10.4	10.3	11.1	11.9	12.1	12.1	11.7	11.0	12.6	14.5	16.4
-87.5°	5.2	5.1	5.0	4.7	4.4	4.0	3.5	2.9	3.0	3.1	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: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0	3.5	3.1
85°	18.5	17.9	16.9	15.7	14.2	15.0	15.8	16.7	17.5	16.3	15.0
82.5°	41.4	42.0	42.0	41.9	41.7	43.5	45.2	46.7	48.0	44.4	40.1
80°	69.9	73.2	75.2	76.9	78.5	78.5	77.5	75.6	73.1	66.8	59.9
77.5°	101.0	106.3	108.8	111.5	114.2	115.1	115.7	116.5	117.2	106.3	92.5
75°	125.3	133.0	137.6	141.8	145.6	147.9	149.1	149.9	150.2	137.1	120.3
72.5°	152.8	160.4	165.8	171.1	175.9	179.1	180.9	182.3	183.2	171.8	155.6
70°	183.2	189.2	195.7	202.1	208.1	212.1	214.8	216.9	218.5	217.4	216.5
67.5°	219.1	224.4	232.2	238.4	244.6	249.1	253.7	257.3	260.0	263.0	266.5
65°	264.1	276.7	288.3	294.2	295.1	301.4	311.8	318.5	321.9	324.6	328.0
62.5°	326.7	342.1	350.4	360.1	372.8	384.6	389.1	395.2	402.5	411.3	421.3
60°	380.4	393.1	406.3	419.8	431.5	441.2	451.8	462.4	472.0	480.8	489.3
57.5°	435.2	449.2	462.6	478.5	489.6	496.2	506.5	519.1	528.9	536.5	548.0
55°	492.1	510.1	528.3	542.7	553.2	560.2	568.0	580.1	587.3	590.1	603.4
52.5°	549.3	570.6	593.1	610.0	621.1	631.5	641.1	651.7	659.0	662.5	675.5
50°	602.3	627.7	652.7	674.6	689.5	706.7	726.2	735.9	742.0	748.9	763.5
47.5°	652.7	681.1	707.9	732.7	754.1	773.4	790.2	806.4	830.2	849.1	867.9
45°	701.2	731.4	760.5	788.3	812.2	850.1	886.1	916.8	998.9	1067.8	1120.4
42.5°	746.7	783.3	816.1	862.4	912.9	1000.4	1135.3	1260.4	1502.5	1814.1	2074.4
40°	794.3	841.8	900.4	990.7	1161.4	1336.8	1861.6	2329.3	2789.1	3312.2	3760.3
37.5°	849.8	921.3	1093.2	1297.0	1844.4	2450.0	3193.7	3923.7	4559.3	5103.2	5557.3
35°	923.4	1144.2	1465.2	2208.2	3017.0	4009.7	4866.9	5553.4	6181.3	6685.3	7064.6
32.5°	1140.0	1544.1	2392.2	3414.0	4526.4	5485.6	6320.5	6977.8	7550.6	8002.3	8354.0
30°	1457.2	2385.9	3537.8	4761.6	5869.6	6785.5	7556.8	8183.4	8694.7	9154.3	9540.1
27.5°	2211.0	3406.1	4759.9	6008.2	7016.1	7873.4	8565.4	9186.1	9749.8	10233.7	10689.9
25°	3035.9	4515.4	5880.9	7017.0	7957.6	8761.9	9491.8	10170.7	10801.8	11368.1	11898.8
22.5°	4026.6	5502.0	6807.1	7858.6	8770.0	9596.4	10371.5	11127.1	11861.7	12552.9	13195.0
20°	4923.5	6371.6	7509.6	8559.7	9506.7	10367.7	11222.0	12102.7	12950.5	13783.1	14556.1
17.5°	5622.5	6969.6	8112.1	9176.5	10140.4	11115.5	12093.2	13104.7	14127.3	15094.2	16018.9
15°	6206.1	7468.5	8626.3	9690.6	10750.3	11826.2	12918.5	14110.0	15326.5	16483.8	17662.5
12.5°	6619.8	7884.7	9058.5	10126.5	11314.6	12482.5	13754.0	15112.0	16516.9	17864.9	19312.8
10°	6952.5	8216.8	9380.8	10532.3	11789.6	13084.7	14510.8	16006.6	17683.0	19279.1	20839.1
7.5°	7237.9	8493.9	9639.7	10863.1	12185.0	13608.4	15159.4	16850.5	18664.6	20440.7	22297.7
5°	7446.7	8682.8	9840.9	11134.4	12488.8	13991.0	15659.6	17466.6	19412.1	21358.3	23194.7
2.5°	7557.2	8790.5	9965.9	11302.7	12667.0	14222.7	15960.6	17875.9	19930.9	22054.5	23865.1
0°	7554.6	8835.7	10013.9	11416.3	12798.1	14292.9	16090.1	18138.1	20143.0	22349.3	24208.2
-2.5°	7557.2	8790.5	9965.9	11302.7	12667.0	14222.7	15960.6	17875.9	19930.9	22054.5	23865.1
-5°	7446.7	8682.8	9840.9	11134.4	12488.8	13991.0	15659.6	17466.6	19412.1	21358.3	23194.7
-7.5°	7237.9	8493.9	9639.7	10863.1	12185.0	13608.4	15159.4	16850.5	18664.6	20440.7	22297.7
-10°	6952.5	8216.8	9380.8	10532.3	11789.6	13084.7	14510.8	16006.6	17683.0	19279.1	20839.1
-12.5°	6619.8	7884.7	9058.5	10126.5	11314.6	12482.5	13754.0	15112.0	16516.9	17864.9	19312.8
-15°	6206.1	7468.5	8626.3	9690.6	10750.3	11826.2	12918.5	14110.0	15326.5	16483.8	17662.5
-17.5°	5622.5	6969.6	8112.1	9176.5	10140.4	11115.5	12093.2	13104.7	14127.3	15094.2	16018.9
-20°	4923.5	6371.6	7509.6	8559.7	9506.7	10367.7	11222.0	12102.7	12950.5	13783.1	14556.1



REPORT NUMBER: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	4026.6	5502.0	6807.1	7858.6	8770.0	9596.4	10371.5	11127.1	11861.7	12552.9	13195.0
-25°	3035.9	4515.4	5880.9	7017.0	7957.6	8761.9	9491.8	10170.7	10801.8	11368.1	11898.8
-27.5°	2211.0	3406.1	4759.9	6008.2	7016.1	7873.4	8565.4	9186.1	9749.8	10233.7	10689.9
-30°	1457.2	2385.9	3537.8	4761.6	5869.6	6785.5	7556.8	8183.4	8694.7	9154.3	9540.1
-32.5°	1140.0	1544.1	2392.2	3414.0	4526.4	5485.6	6320.5	6977.8	7550.6	8002.3	8354.0
-35°	923.4	1144.2	1465.2	2208.2	3017.0	4009.7	4866.9	5553.4	6181.3	6685.3	7064.6
-37.5°	849.8	921.3	1093.2	1297.0	1844.4	2450.0	3193.7	3923.7	4559.3	5103.2	5557.3
-40°	794.3	841.8	900.4	990.7	1161.4	1336.8	1861.6	2329.3	2789.1	3312.2	3760.3
-42.5°	746.7	783.3	816.1	862.4	912.9	1000.4	1135.3	1260.4	1502.5	1814.1	2074.4
-45°	701.2	731.4	760.5	788.3	812.2	850.1	886.1	916.8	998.9	1067.8	1120.4
-47.5°	652.7	681.1	707.9	732.7	754.1	773.4	790.2	806.4	830.2	849.1	867.9
-50°	602.3	627.7	652.7	674.6	689.5	706.7	726.2	735.9	742.0	748.9	763.5
-52.5°	549.3	570.6	593.1	610.0	621.1	631.5	641.1	651.7	659.0	662.5	675.5
-55°	492.1	510.1	528.3	542.7	553.2	560.2	568.0	580.1	587.3	590.1	603.4
-57.5°	435.2	449.2	462.6	478.5	489.6	496.2	506.5	519.1	528.9	536.5	548.0
-60°	380.4	393.1	406.3	419.8	431.5	441.2	451.8	462.4	472.0	480.8	489.3
-62.5°	326.7	342.1	350.4	360.1	372.8	384.6	389.1	395.2	402.5	411.3	421.3
-65°	264.1	276.7	288.3	294.2	295.1	301.4	311.8	318.5	321.9	324.6	328.0
-67.5°	219.1	224.4	232.2	238.4	244.6	249.1	253.7	257.3	260.0	263.0	266.5
-70°	183.2	189.2	195.7	202.1	208.1	212.1	214.8	216.9	218.5	217.4	216.5
-72.5°	152.8	160.4	165.8	171.1	175.9	179.1	180.9	182.3	183.2	171.8	155.6
-75°	125.3	133.0	137.6	141.8	145.6	147.9	149.1	149.9	150.2	137.1	120.3
-77.5°	101.0	106.3	108.8	111.5	114.2	115.1	115.7	116.5	117.2	106.3	92.5
-80°	69.9	73.2	75.2	76.9	78.5	78.5	77.5	75.6	73.1	66.8	59.9
-82.5°	41.4	42.0	42.0	41.9	41.7	43.5	45.2	46.7	48.0	44.4	40.1
-85°	18.5	17.9	16.9	15.7	14.2	15.0	15.8	16.7	17.5	16.3	15.0
-87.5°	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0	3.5	3.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	4.0	3.9
85°	13.7	12.2	12.3	12.3	12.3	12.2	13.7	15.0	16.3	17.5	16.7
82.5°	35.5	30.7	30.7	30.8	30.7	30.7	35.5	40.1	44.4	48.0	46.7
80°	52.7	45.2	46.2	47.3	46.2	45.2	52.7	59.9	66.8	73.1	75.6
77.5°	77.7	62.1	61.6	61.7	61.6	62.1	77.7	92.5	106.3	117.2	116.5
75°	102.9	85.0	84.2	84.3	84.2	85.0	102.9	120.3	137.1	150.2	149.9
72.5°	139.0	122.0	114.2	106.9	114.2	122.0	139.0	155.6	171.8	183.2	182.3
70°	216.7	217.2	209.6	199.5	209.6	217.2	216.7	216.5	217.4	218.5	216.9
67.5°	269.4	271.6	274.8	277.6	274.8	271.6	269.4	266.5	263.0	260.0	257.3
65°	329.5	329.4	330.5	331.1	330.5	329.4	329.5	328.0	324.6	321.9	318.5
62.5°	429.9	436.9	441.7	444.1	441.7	436.9	429.9	421.3	411.3	402.5	395.2
60°	496.5	502.1	510.2	518.2	510.2	502.1	496.5	489.3	480.8	472.0	462.4
57.5°	558.7	568.3	576.1	581.9	576.1	568.3	558.7	548.0	536.5	528.9	519.1
55°	616.0	627.2	638.0	647.7	638.0	627.2	616.0	603.4	590.1	587.3	580.1
52.5°	688.1	697.3	712.6	732.0	712.6	697.3	688.1	675.5	662.5	659.0	651.7
50°	780.3	794.2	813.6	836.9	813.6	794.2	780.3	763.5	748.9	742.0	735.9
47.5°	886.8	900.8	919.4	943.8	919.4	900.8	886.8	867.9	849.1	830.2	806.4
45°	1168.5	1201.4	1231.5	1264.6	1231.5	1201.4	1168.5	1120.4	1067.8	998.9	916.8
42.5°	2283.0	2427.2	2489.5	2453.1	2489.5	2427.2	2283.0	2074.4	1814.1	1502.5	1260.4
40°	4102.1	4341.8	4482.9	4532.0	4482.9	4341.8	4102.1	3760.3	3312.2	2789.1	2329.3
37.5°	5888.9	6109.6	6228.7	6242.8	6228.7	6109.6	5888.9	5557.3	5103.2	4559.3	3923.7
35°	7338.5	7520.3	7628.0	7708.9	7628.0	7520.3	7338.5	7064.6	6685.3	6181.3	5553.4
32.5°	8640.3	8847.5	8967.2	8940.5	8967.2	8847.5	8640.3	8354.0	8002.3	7550.6	6977.8
30°	9856.4	10082.9	10223.6	10227.8	10223.6	10082.9	9856.4	9540.1	9154.3	8694.7	8183.4
27.5°	11058.7	11313.0	11459.7	11574.6	11459.7	11313.0	11058.7	10689.9	10233.7	9749.8	9186.1
25°	12341.3	12658.3	12846.6	12960.5	12846.6	12658.3	12341.3	11898.8	11368.1	10801.8	10170.7
22.5°	13724.2	14116.9	14374.9	14482.1	14374.9	14116.9	13724.2	13195.0	12552.9	11861.7	11127.1
20°	15228.5	15715.1	16044.5	16034.6	16044.5	15715.1	15228.5	14556.1	13783.1	12950.5	12102.7
17.5°	16907.0	17534.7	17959.4	18020.9	17959.4	17534.7	16907.0	16018.9	15094.2	14127.3	13104.7
15°	18706.5	19515.7	20065.2	20235.5	20065.2	19515.7	18706.5	17662.5	16483.8	15326.5	14110.0
12.5°	20550.5	21513.1	22245.5	22489.1	22245.5	21513.1	20550.5	19312.8	17864.9	16516.9	15112.0
10°	22307.6	23373.7	24168.8	24520.7	24168.8	23373.7	22307.6	20839.1	19279.1	17683.0	16006.6
7.5°	23776.3	24859.6	25678.6	25968.3	25678.6	24859.6	23776.3	22297.7	20440.7	18664.6	16850.5
5°	24744.0	25927.5	26564.3	26922.4	26564.3	25927.5	24744.0	23194.7	21358.3	19412.1	17466.6
2.5°	25390.5	26394.1	27039.0	27368.6	27039.0	26394.1	25390.5	23865.1	22054.5	19930.9	17875.9
0°	25733.9	26755.8	27228.8	27389.2	27228.8	26755.8	25733.9	24208.2	22349.3	20143.0	18138.1
-2.5°	25390.5	26394.1	27039.0	27368.6	27039.0	26394.1	25390.5	23865.1	22054.5	19930.9	17875.9
-5°	24744.0	25927.5	26564.3	26922.4	26564.3	25927.5	24744.0	23194.7	21358.3	19412.1	17466.6
-7.5°	23776.3	24859.6	25678.6	25968.3	25678.6	24859.6	23776.3	22297.7	20440.7	18664.6	16850.5
-10°	22307.6	23373.7	24168.8	24520.7	24168.8	23373.7	22307.6	20839.1	19279.1	17683.0	16006.6
-12.5°	20550.5	21513.1	22245.5	22489.1	22245.5	21513.1	20550.5	19312.8	17864.9	16516.9	15112.0
-15°	18706.5	19515.7	20065.2	20235.5	20065.2	19515.7	18706.5	17662.5	16483.8	15326.5	14110.0
-17.5°	16907.0	17534.7	17959.4	18020.9	17959.4	17534.7	16907.0	16018.9	15094.2	14127.3	13104.7
-20°	15228.5	15715.1	16044.5	16034.6	16044.5	15715.1	15228.5	14556.1	13783.1	12950.5	12102.7



REPORT NUMBER: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	13724.2	14116.9	14374.9	14482.1	14374.9	14116.9	13724.2	13195.0	12552.9	11861.7	11127.1
-25°	12341.3	12658.3	12846.6	12960.5	12846.6	12658.3	12341.3	11898.8	11368.1	10801.8	10170.7
-27.5°	11058.7	11313.0	11459.7	11574.6	11459.7	11313.0	11058.7	10689.9	10233.7	9749.8	9186.1
-30°	9856.4	10082.9	10223.6	10227.8	10223.6	10082.9	9856.4	9540.1	9154.3	8694.7	8183.4
-32.5°	8640.3	8847.5	8967.2	8940.5	8967.2	8847.5	8640.3	8354.0	8002.3	7550.6	6977.8
-35°	7338.5	7520.3	7628.0	7708.9	7628.0	7520.3	7338.5	7064.6	6685.3	6181.3	5553.4
-37.5°	5888.9	6109.6	6228.7	6242.8	6228.7	6109.6	5888.9	5557.3	5103.2	4559.3	3923.7
-40°	4102.1	4341.8	4482.9	4532.0	4482.9	4341.8	4102.1	3760.3	3312.2	2789.1	2329.3
-42.5°	2283.0	2427.2	2489.5	2453.1	2489.5	2427.2	2283.0	2074.4	1814.1	1502.5	1260.4
-45°	1168.5	1201.4	1231.5	1264.6	1231.5	1201.4	1168.5	1120.4	1067.8	998.9	916.8
-47.5°	886.8	900.8	919.4	943.8	919.4	900.8	886.8	867.9	849.1	830.2	806.4
-50°	780.3	794.2	813.6	836.9	813.6	794.2	780.3	763.5	748.9	742.0	735.9
-52.5°	688.1	697.3	712.6	732.0	712.6	697.3	688.1	675.5	662.5	659.0	651.7
-55°	616.0	627.2	638.0	647.7	638.0	627.2	616.0	603.4	590.1	587.3	580.1
-57.5°	558.7	568.3	576.1	581.9	576.1	568.3	558.7	548.0	536.5	528.9	519.1
-60°	496.5	502.1	510.2	518.2	510.2	502.1	496.5	489.3	480.8	472.0	462.4
-62.5°	429.9	436.9	441.7	444.1	441.7	436.9	429.9	421.3	411.3	402.5	395.2
-65°	329.5	329.4	330.5	331.1	330.5	329.4	329.5	328.0	324.6	321.9	318.5
-67.5°	269.4	271.6	274.8	277.6	274.8	271.6	269.4	266.5	263.0	260.0	257.3
-70°	216.7	217.2	209.6	199.5	209.6	217.2	216.7	216.5	217.4	218.5	216.9
-72.5°	139.0	122.0	114.2	106.9	114.2	122.0	139.0	155.6	171.8	183.2	182.3
-75°	102.9	85.0	84.2	84.3	84.2	85.0	102.9	120.3	137.1	150.2	149.9
-77.5°	77.7	62.1	61.6	61.7	61.6	62.1	77.7	92.5	106.3	117.2	116.5
-80°	52.7	45.2	46.2	47.3	46.2	45.2	52.7	59.9	66.8	73.1	75.6
-82.5°	35.5	30.7	30.7	30.8	30.7	30.7	35.5	40.1	44.4	48.0	46.7
-85°	13.7	12.2	12.3	12.3	12.3	12.2	13.7	15.0	16.3	17.5	16.7
-87.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	4.0	3.9
-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: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.9
85°	15.8	15.0	14.2	15.7	16.9	17.9	18.5	16.4	14.5	12.6	11.0
82.5°	45.2	43.5	41.7	41.9	42.0	42.0	41.4	36.4	31.6	27.2	23.6
80°	77.5	78.5	78.5	76.9	75.2	73.2	69.9	60.7	52.4	45.2	40.1
77.5°	115.7	115.1	114.2	111.5	108.8	106.3	101.0	87.5	74.4	62.5	56.2
75°	149.1	147.9	145.6	141.8	137.6	133.0	125.3	111.8	97.7	83.1	75.3
72.5°	180.9	179.1	175.9	171.1	165.8	160.4	152.8	141.1	126.6	109.2	100.6
70°	214.8	212.1	208.1	202.1	195.7	189.2	183.2	174.8	163.0	148.1	139.5
67.5°	253.7	249.1	244.6	238.4	232.2	224.4	219.1	212.0	203.1	190.4	180.8
65°	311.8	301.4	295.1	294.2	288.3	276.7	264.1	255.9	247.3	235.4	222.3
62.5°	389.1	384.6	372.8	360.1	350.4	342.1	326.7	309.6	294.8	281.4	265.7
60°	451.8	441.2	431.5	419.8	406.3	393.1	380.4	363.7	342.9	326.1	308.9
57.5°	506.5	496.2	489.6	478.5	462.6	449.2	435.2	418.3	398.0	373.6	352.0
55°	568.0	560.2	553.2	542.7	528.3	510.1	492.1	474.1	451.3	421.9	395.3
52.5°	641.1	631.5	621.1	610.0	593.1	570.6	549.3	528.0	501.5	469.7	437.4
50°	726.2	706.7	689.5	674.6	652.7	627.7	602.3	578.2	546.9	514.2	480.6
47.5°	790.2	773.4	754.1	732.7	707.9	681.1	652.7	622.4	589.6	555.5	520.1
45°	886.1	850.1	812.2	788.3	760.5	731.4	701.2	666.6	630.8	594.6	557.3
42.5°	1135.3	1000.4	912.9	862.4	816.1	783.3	746.7	709.4	671.3	632.5	593.2
40°	1861.6	1336.8	1161.4	990.7	900.4	841.8	794.3	750.7	710.2	669.1	627.7
37.5°	3193.7	2450.0	1844.4	1297.0	1093.2	921.3	849.8	793.4	747.4	704.6	660.9
35°	4866.9	4009.7	3017.0	2208.2	1465.2	1144.2	923.4	844.1	785.4	738.9	692.9
32.5°	6320.5	5485.6	4526.4	3414.0	2392.2	1544.1	1140.0	911.7	827.1	772.9	723.9
30°	7556.8	6785.5	5869.6	4761.6	3537.8	2385.9	1457.2	1084.7	889.6	805.2	753.6
27.5°	8565.4	7873.4	7016.1	6008.2	4759.9	3406.1	2211.0	1299.9	983.4	853.6	781.7
25°	9491.8	8761.9	7957.6	7017.0	5880.9	4515.4	3035.9	1866.8	1167.6	905.6	808.0
22.5°	10371.5	9596.4	8770.0	7858.6	6807.1	5502.0	4026.6	2497.6	1353.7	999.4	848.6
20°	11222.0	10367.7	9506.7	8559.7	7509.6	6371.6	4923.5	3253.6	1884.6	1142.0	887.3
17.5°	12093.2	11115.5	10140.4	9176.5	8112.1	6969.6	5622.5	4013.7	2346.1	1270.3	920.8
15°	12918.5	11826.2	10750.3	9690.6	8626.3	7468.5	6206.1	4690.7	2804.2	1529.9	1015.7
12.5°	13754.0	12482.5	11314.6	10126.5	9058.5	7884.7	6619.8	5152.8	3341.7	1847.8	1109.9
10°	14510.8	13084.7	11789.6	10532.3	9380.8	8216.8	6952.5	5524.2	3783.7	2109.2	1187.4
7.5°	15159.4	13608.4	12185.0	10863.1	9639.7	8493.9	7237.9	5820.5	4116.7	2311.1	1247.8
5°	15659.6	13991.0	12488.8	11134.4	9840.9	8682.8	7446.7	6036.3	4341.0	2453.0	1291.1
2.5°	15960.6	14222.7	12667.0	11302.7	9965.9	8790.5	7557.2	6174.3	4483.9	2544.5	1323.3
0°	16090.1	14292.9	12798.1	11416.3	10013.9	8835.7	7554.6	6226.3	4536.1	2578.5	1338.6
-2.5°	15960.6	14222.7	12667.0	11302.7	9965.9	8790.5	7557.2	6174.3	4483.9	2544.5	1323.3
-5°	15659.6	13991.0	12488.8	11134.4	9840.9	8682.8	7446.7	6036.3	4341.0	2453.0	1291.1
-7.5°	15159.4	13608.4	12185.0	10863.1	9639.7	8493.9	7237.9	5820.5	4116.7	2311.1	1247.8
-10°	14510.8	13084.7	11789.6	10532.3	9380.8	8216.8	6952.5	5524.2	3783.7	2109.2	1187.4
-12.5°	13754.0	12482.5	11314.6	10126.5	9058.5	7884.7	6619.8	5152.8	3341.7	1847.8	1109.9
-15°	12918.5	11826.2	10750.3	9690.6	8626.3	7468.5	6206.1	4690.7	2804.2	1529.9	1015.7
-17.5°	12093.2	11115.5	10140.4	9176.5	8112.1	6969.6	5622.5	4013.7	2346.1	1270.3	920.8
-20°	11222.0	10367.7	9506.7	8559.7	7509.6	6371.6	4923.5	3253.6	1884.6	1142.0	887.3



REPORT NUMBER: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	10371.5	9596.4	8770.0	7858.6	6807.1	5502.0	4026.6	2497.6	1353.7	999.4	848.6
-25°	9491.8	8761.9	7957.6	7017.0	5880.9	4515.4	3035.9	1866.8	1167.6	905.6	808.0
-27.5°	8565.4	7873.4	7016.1	6008.2	4759.9	3406.1	2211.0	1299.9	983.4	853.6	781.7
-30°	7556.8	6785.5	5869.6	4761.6	3537.8	2385.9	1457.2	1084.7	889.6	805.2	753.6
-32.5°	6320.5	5485.6	4526.4	3414.0	2392.2	1544.1	1140.0	911.7	827.1	772.9	723.9
-35°	4866.9	4009.7	3017.0	2208.2	1465.2	1144.2	923.4	844.1	785.4	738.9	692.9
-37.5°	3193.7	2450.0	1844.4	1297.0	1093.2	921.3	849.8	793.4	747.4	704.6	660.9
-40°	1861.6	1336.8	1161.4	990.7	900.4	841.8	794.3	750.7	710.2	669.1	627.7
-42.5°	1135.3	1000.4	912.9	862.4	816.1	783.3	746.7	709.4	671.3	632.5	593.2
-45°	886.1	850.1	812.2	788.3	760.5	731.4	701.2	666.6	630.8	594.6	557.3
-47.5°	790.2	773.4	754.1	732.7	707.9	681.1	652.7	622.4	589.6	555.5	520.1
-50°	726.2	706.7	689.5	674.6	652.7	627.7	602.3	578.2	546.9	514.2	480.6
-52.5°	641.1	631.5	621.1	610.0	593.1	570.6	549.3	528.0	501.5	469.7	437.4
-55°	568.0	560.2	553.2	542.7	528.3	510.1	492.1	474.1	451.3	421.9	395.3
-57.5°	506.5	496.2	489.6	478.5	462.6	449.2	435.2	418.3	398.0	373.6	352.0
-60°	451.8	441.2	431.5	419.8	406.3	393.1	380.4	363.7	342.9	326.1	308.9
-62.5°	389.1	384.6	372.8	360.1	350.4	342.1	326.7	309.6	294.8	281.4	265.7
-65°	311.8	301.4	295.1	294.2	288.3	276.7	264.1	255.9	247.3	235.4	222.3
-67.5°	253.7	249.1	244.6	238.4	232.2	224.4	219.1	212.0	203.1	190.4	180.8
-70°	214.8	212.1	208.1	202.1	195.7	189.2	183.2	174.8	163.0	148.1	139.5
-72.5°	180.9	179.1	175.9	171.1	165.8	160.4	152.8	141.1	126.6	109.2	100.6
-75°	149.1	147.9	145.6	141.8	137.6	133.0	125.3	111.8	97.7	83.1	75.3
-77.5°	115.7	115.1	114.2	111.5	108.8	106.3	101.0	87.5	74.4	62.5	56.2
-80°	77.5	78.5	78.5	76.9	75.2	73.2	69.9	60.7	52.4	45.2	40.1
-82.5°	45.2	43.5	41.7	41.9	42.0	42.0	41.4	36.4	31.6	27.2	23.6
-85°	15.8	15.0	14.2	15.7	16.9	17.9	18.5	16.4	14.5	12.6	11.0
-87.5°	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.9
-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: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	3.5	4.0	4.4	4.7	5.0	5.1	5.2	5.2	4.9	4.6	4.2
85°	11.7	12.1	12.1	11.9	11.1	10.3	10.4	10.4	9.8	9.1	8.3
82.5°	24.6	25.5	26.1	26.0	24.3	22.6	20.8	18.9	16.8	14.1	12.5
80°	42.4	43.8	44.2	43.1	39.0	34.9	32.2	29.5	27.3	24.3	20.4
77.5°	60.4	63.2	64.3	62.9	57.2	51.6	46.0	41.0	37.9	34.6	30.1
75°	79.0	83.2	85.7	84.1	77.1	68.2	61.1	55.2	50.8	45.1	39.9
72.5°	102.5	104.6	106.8	106.4	100.2	91.3	79.8	69.5	64.7	58.3	50.3
70°	134.0	128.1	126.8	125.9	122.1	115.3	103.7	90.0	78.7	71.5	62.5
67.5°	172.5	164.4	156.1	147.2	142.7	136.5	127.3	111.3	96.5	84.7	74.7
65°	210.5	199.7	189.6	176.6	166.0	157.8	148.4	131.3	113.5	98.7	87.0
62.5°	249.4	233.5	219.9	204.9	190.8	179.3	169.2	149.9	129.8	111.9	98.1
60°	290.1	271.0	250.2	232.2	215.2	199.9	186.3	168.2	146.4	124.5	108.2
57.5°	331.4	309.0	283.7	260.0	239.7	221.0	202.6	184.1	162.8	138.6	117.2
55°	372.2	347.6	317.1	288.9	264.3	242.8	219.7	198.8	178.2	152.9	123.7
52.5°	408.5	382.8	352.5	318.4	288.9	263.6	238.2	213.2	191.2	166.9	132.6
50°	445.6	413.8	384.8	351.0	313.5	284.2	256.1	229.2	204.0	179.8	140.9
47.5°	484.3	447.1	413.1	381.5	343.2	304.1	274.1	244.8	216.5	191.0	148.1
45°	519.7	481.3	442.3	407.2	370.8	327.4	291.8	259.8	229.9	196.6	154.4
42.5°	553.4	513.2	472.5	432.0	394.0	350.3	308.8	275.1	242.8	201.0	158.8
40°	585.6	543.4	500.9	458.6	417.1	371.1	327.4	289.9	254.2	204.9	161.7
37.5°	616.4	572.0	527.5	484.1	440.5	392.7	344.6	304.1	259.8	209.1	163.7
35°	646.1	599.2	554.0	508.5	462.9	414.5	360.0	317.7	268.1	212.6	164.9
32.5°	674.4	625.7	579.2	532.0	483.9	436.5	377.3	330.2	278.2	215.5	165.1
30°	701.9	651.6	602.7	554.4	503.9	454.9	396.7	342.4	289.9	217.6	165.1
27.5°	728.2	675.5	624.7	575.0	523.3	471.8	415.6	354.4	303.2	221.9	166.2
25°	752.4	697.8	645.2	593.8	541.5	488.0	433.1	366.2	314.2	230.8	166.7
22.5°	774.8	718.1	663.7	611.1	559.2	503.7	447.9	380.7	323.3	240.1	166.4
20°	795.1	736.1	681.0	629.3	575.3	518.6	460.5	393.8	331.9	249.6	165.6
17.5°	815.5	754.9	700.9	646.6	590.2	532.1	472.3	405.5	339.8	258.9	164.0
15°	847.6	775.3	719.1	662.8	604.0	544.2	483.0	415.8	346.9	267.9	163.5
12.5°	876.5	793.4	735.3	677.8	616.7	554.8	492.7	424.6	353.3	274.1	164.2
10°	900.8	809.4	749.7	691.5	627.9	564.0	501.2	432.1	358.6	276.7	163.8
7.5°	920.7	823.1	762.1	703.6	638.4	572.8	509.1	438.5	363.8	276.9	162.5
5°	937.8	838.0	777.6	716.8	650.7	581.5	515.7	443.3	368.4	275.1	160.3
2.5°	957.3	856.0	794.9	728.5	661.4	588.7	520.8	446.6	372.0	271.1	157.5
0°	972.6	871.8	810.2	738.2	670.3	594.3	524.3	448.3	374.2	265.3	154.2
-2.5°	957.3	856.0	794.9	728.5	661.4	588.7	520.8	446.6	372.0	271.1	157.5
-5°	937.8	838.0	777.6	716.8	650.7	581.5	515.7	443.3	368.4	275.1	160.3
-7.5°	920.7	823.1	762.1	703.6	638.4	572.8	509.1	438.5	363.8	276.9	162.5
-10°	900.8	809.4	749.7	691.5	627.9	564.0	501.2	432.1	358.6	276.7	163.8
-12.5°	876.5	793.4	735.3	677.8	616.7	554.8	492.7	424.6	353.3	274.1	164.2
-15°	847.6	775.3	719.1	662.8	604.0	544.2	483.0	415.8	346.9	267.9	163.5
-17.5°	815.5	754.9	700.9	646.6	590.2	532.1	472.3	405.5	339.8	258.9	164.0
-20°	795.1	736.1	681.0	629.3	575.3	518.6	460.5	393.8	331.9	249.6	165.6



REPORT NUMBER: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	774.8	718.1	663.7	611.1	559.2	503.7	447.9	380.7	323.3	240.1	166.4
-25°	752.4	697.8	645.2	593.8	541.5	488.0	433.1	366.2	314.2	230.8	166.7
-27.5°	728.2	675.5	624.7	575.0	523.3	471.8	415.6	354.4	303.2	221.9	166.2
-30°	701.9	651.6	602.7	554.4	503.9	454.9	396.7	342.4	289.9	217.6	165.1
-32.5°	674.4	625.7	579.2	532.0	483.9	436.5	377.3	330.2	278.2	215.5	165.1
-35°	646.1	599.2	554.0	508.5	462.9	414.5	360.0	317.7	268.1	212.6	164.9
-37.5°	616.4	572.0	527.5	484.1	440.5	392.7	344.6	304.1	259.8	209.1	163.7
-40°	585.6	543.4	500.9	458.6	417.1	371.1	327.4	289.9	254.2	204.9	161.7
-42.5°	553.4	513.2	472.5	432.0	394.0	350.3	308.8	275.1	242.8	201.0	158.8
-45°	519.7	481.3	442.3	407.2	370.8	327.4	291.8	259.8	229.9	196.6	154.4
-47.5°	484.3	447.1	413.1	381.5	343.2	304.1	274.1	244.8	216.5	191.0	148.1
-50°	445.6	413.8	384.8	351.0	313.5	284.2	256.1	229.2	204.0	179.8	140.9
-52.5°	408.5	382.8	352.5	318.4	288.9	263.6	238.2	213.2	191.2	166.9	132.6
-55°	372.2	347.6	317.1	288.9	264.3	242.8	219.7	198.8	178.2	152.9	123.7
-57.5°	331.4	309.0	283.7	260.0	239.7	221.0	202.6	184.1	162.8	138.6	117.2
-60°	290.1	271.0	250.2	232.2	215.2	199.9	186.3	168.2	146.4	124.5	108.2
-62.5°	249.4	233.5	219.9	204.9	190.8	179.3	169.2	149.9	129.8	111.9	98.1
-65°	210.5	199.7	189.6	176.6	166.0	157.8	148.4	131.3	113.5	98.7	87.0
-67.5°	172.5	164.4	156.1	147.2	142.7	136.5	127.3	111.3	96.5	84.7	74.7
-70°	134.0	128.1	126.8	125.9	122.1	115.3	103.7	90.0	78.7	71.5	62.5
-72.5°	102.5	104.6	106.8	106.4	100.2	91.3	79.8	69.5	64.7	58.3	50.3
-75°	79.0	83.2	85.7	84.1	77.1	68.2	61.1	55.2	50.8	45.1	39.9
-77.5°	60.4	63.2	64.3	62.9	57.2	51.6	46.0	41.0	37.9	34.6	30.1
-80°	42.4	43.8	44.2	43.1	39.0	34.9	32.2	29.5	27.3	24.3	20.4
-82.5°	24.6	25.5	26.1	26.0	24.3	22.6	20.8	18.9	16.8	14.1	12.5
-85°	11.7	12.1	12.1	11.9	11.1	10.3	10.4	10.4	9.8	9.1	8.3
-87.5°	3.5	4.0	4.4	4.7	5.0	5.1	5.2	5.2	4.9	4.6	4.2
-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: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	3.7	2.9	2.1	1.5	0.9	0.4	0.0
85°	7.4	5.8	4.3	2.9	1.8	0.9	0.0
82.5°	11.1	8.6	6.4	4.4	2.7	1.3	0.0
80°	15.4	11.5	8.5	5.9	3.6	1.8	0.0
77.5°	24.1	15.6	10.6	7.3	4.5	2.2	0.0
75°	32.7	22.3	13.1	8.7	5.3	2.7	0.0
72.5°	41.0	28.8	18.0	10.1	6.2	3.1	0.0
70°	49.4	35.1	22.7	11.8	7.0	3.5	0.0
67.5°	59.1	41.3	27.3	15.0	7.9	3.9	0.0
65°	68.5	47.9	31.7	18.1	8.7	4.4	0.0
62.5°	77.4	54.8	36.0	21.1	9.5	4.8	0.0
60°	85.9	61.4	40.0	23.9	10.3	5.1	0.0
57.5°	91.7	67.7	44.7	26.7	12.1	5.5	0.0
55°	96.6	73.6	49.2	29.3	13.9	5.9	0.0
52.5°	100.8	78.6	53.3	31.8	15.6	6.3	0.0
50°	104.2	81.2	57.2	34.2	17.2	6.6	0.0
47.5°	107.4	83.2	60.8	36.5	18.8	7.0	0.0
45°	112.6	84.7	64.1	38.9	20.3	7.3	0.0
42.5°	117.0	85.7	67.1	41.1	21.7	7.6	0.0
40°	120.6	86.2	68.6	43.5	23.0	7.9	0.0
37.5°	123.4	86.2	68.8	45.9	24.3	8.2	0.0
35°	125.4	87.3	68.7	48.3	25.5	8.4	0.0
32.5°	126.4	88.7	68.4	50.6	26.6	8.7	0.0
30°	126.3	89.5	67.7	52.8	27.6	8.9	0.0
27.5°	125.6	89.7	68.4	55.0	28.5	9.1	0.0
25°	124.2	89.5	69.2	57.0	29.4	9.3	0.0
22.5°	122.2	89.7	69.9	58.9	30.1	9.5	0.0
20°	119.6	92.0	70.4	60.8	30.8	9.7	0.0
17.5°	119.8	94.0	70.9	62.4	31.4	9.8	0.0
15°	121.6	95.8	71.3	64.0	31.9	9.9	0.0
12.5°	123.0	97.3	71.5	65.4	32.3	10.1	0.0
10°	124.1	98.6	71.7	66.7	32.6	10.1	0.0
7.5°	124.9	99.5	71.9	67.8	32.8	10.2	0.0
5°	125.4	100.2	72.0	68.7	32.9	10.3	0.0
2.5°	125.5	100.7	72.0	69.4	32.9	10.3	0.0
0°	125.4	100.8	72.0	69.9	32.9	10.3	0.0
-2.5°	125.5	100.7	72.0	69.4	32.9	10.3	0.0
-5°	125.4	100.2	72.0	68.7	32.9	10.3	0.0
-7.5°	124.9	99.5	71.9	67.8	32.8	10.2	0.0
-10°	124.1	98.6	71.7	66.7	32.6	10.1	0.0
-12.5°	123.0	97.3	71.5	65.4	32.3	10.1	0.0
-15°	121.6	95.8	71.3	64.0	31.9	9.9	0.0
-17.5°	119.8	94.0	70.9	62.4	31.4	9.8	0.0
-20°	119.6	92.0	70.4	60.8	30.8	9.7	0.0



REPORT NUMBER: P558981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	122.2	89.7	69.9	58.9	30.1	9.5	0.0
-25°	124.2	89.5	69.2	57.0	29.4	9.3	0.0
-27.5°	125.6	89.7	68.4	55.0	28.5	9.1	0.0
-30°	126.3	89.5	67.7	52.8	27.6	8.9	0.0
-32.5°	126.4	88.7	68.4	50.6	26.6	8.7	0.0
-35°	125.4	87.3	68.7	48.3	25.5	8.4	0.0
-37.5°	123.4	86.2	68.8	45.9	24.3	8.2	0.0
-40°	120.6	86.2	68.6	43.5	23.0	7.9	0.0
-42.5°	117.0	85.7	67.1	41.1	21.7	7.6	0.0
-45°	112.6	84.7	64.1	38.9	20.3	7.3	0.0
-47.5°	107.4	83.2	60.8	36.5	18.8	7.0	0.0
-50°	104.2	81.2	57.2	34.2	17.2	6.6	0.0
-52.5°	100.8	78.6	53.3	31.8	15.6	6.3	0.0
-55°	96.6	73.6	49.2	29.3	13.9	5.9	0.0
-57.5°	91.7	67.7	44.7	26.7	12.1	5.5	0.0
-60°	85.9	61.4	40.0	23.9	10.3	5.1	0.0
-62.5°	77.4	54.8	36.0	21.1	9.5	4.8	0.0
-65°	68.5	47.9	31.7	18.1	8.7	4.4	0.0
-67.5°	59.1	41.3	27.3	15.0	7.9	3.9	0.0
-70°	49.4	35.1	22.7	11.8	7.0	3.5	0.0
-72.5°	41.0	28.8	18.0	10.1	6.2	3.1	0.0
-75°	32.7	22.3	13.1	8.7	5.3	2.7	0.0
-77.5°	24.1	15.6	10.6	7.3	4.5	2.2	0.0
-80°	15.4	11.5	8.5	5.9	3.6	1.8	0.0
-82.5°	11.1	8.6	6.4	4.4	2.7	1.3	0.0
-85°	7.4	5.8	4.3	2.9	1.8	0.9	0.0
-87.5°	3.7	2.9	2.1	1.5	0.9	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)