

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: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-4)
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-MR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

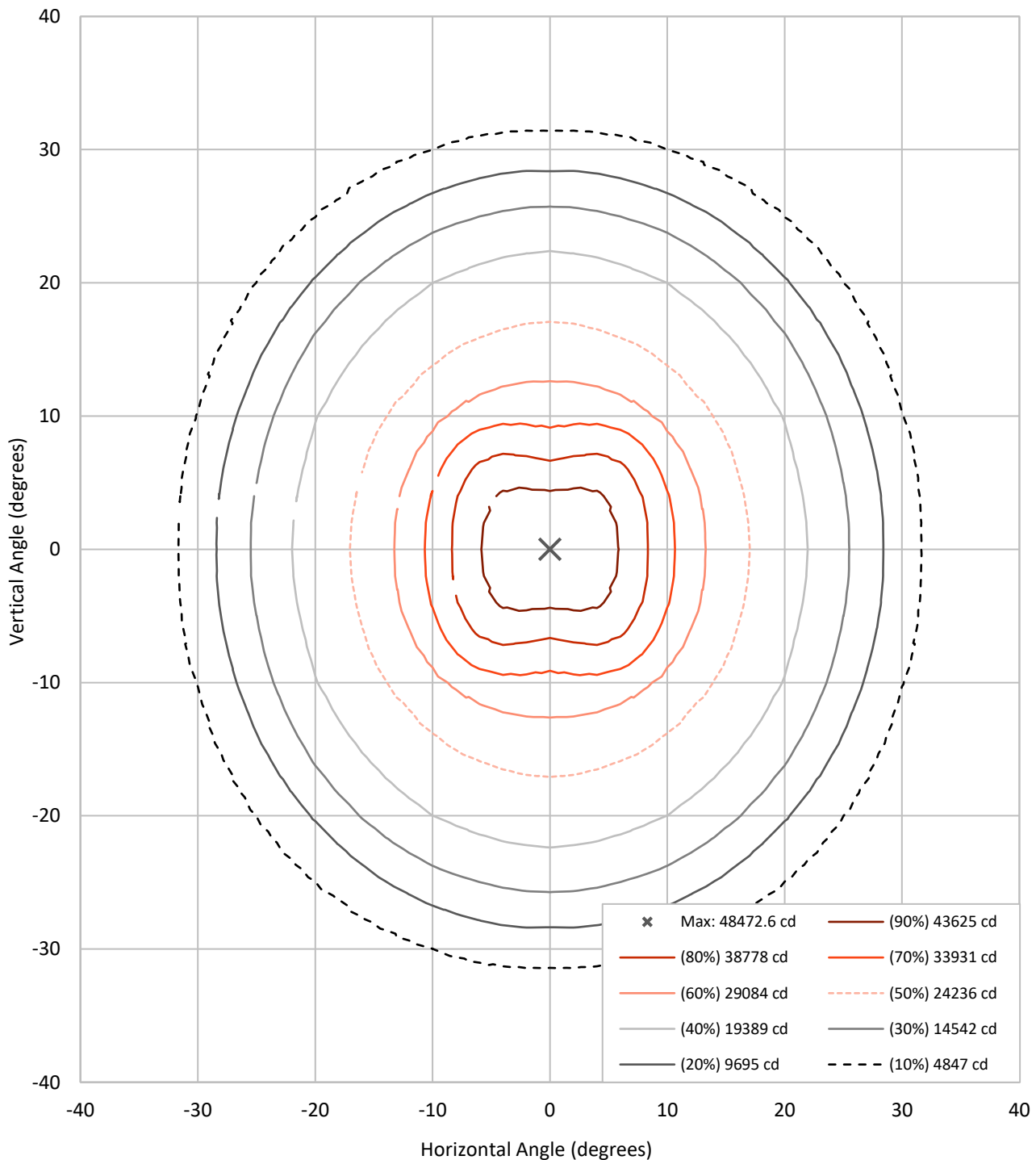
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	21442.9 lumens	Max Intensity:	48472.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	85.8 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	34°H x 34.1°V	Field Angle (10%):	63.3°H x 62.8°V
Beam Lumens:	9133.3 lumens	Field Lumens:	18666.7 lumens
Beam Efficiency:	42.6%	Field Efficiency:	87.1%

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



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

Iso-Candela Plot





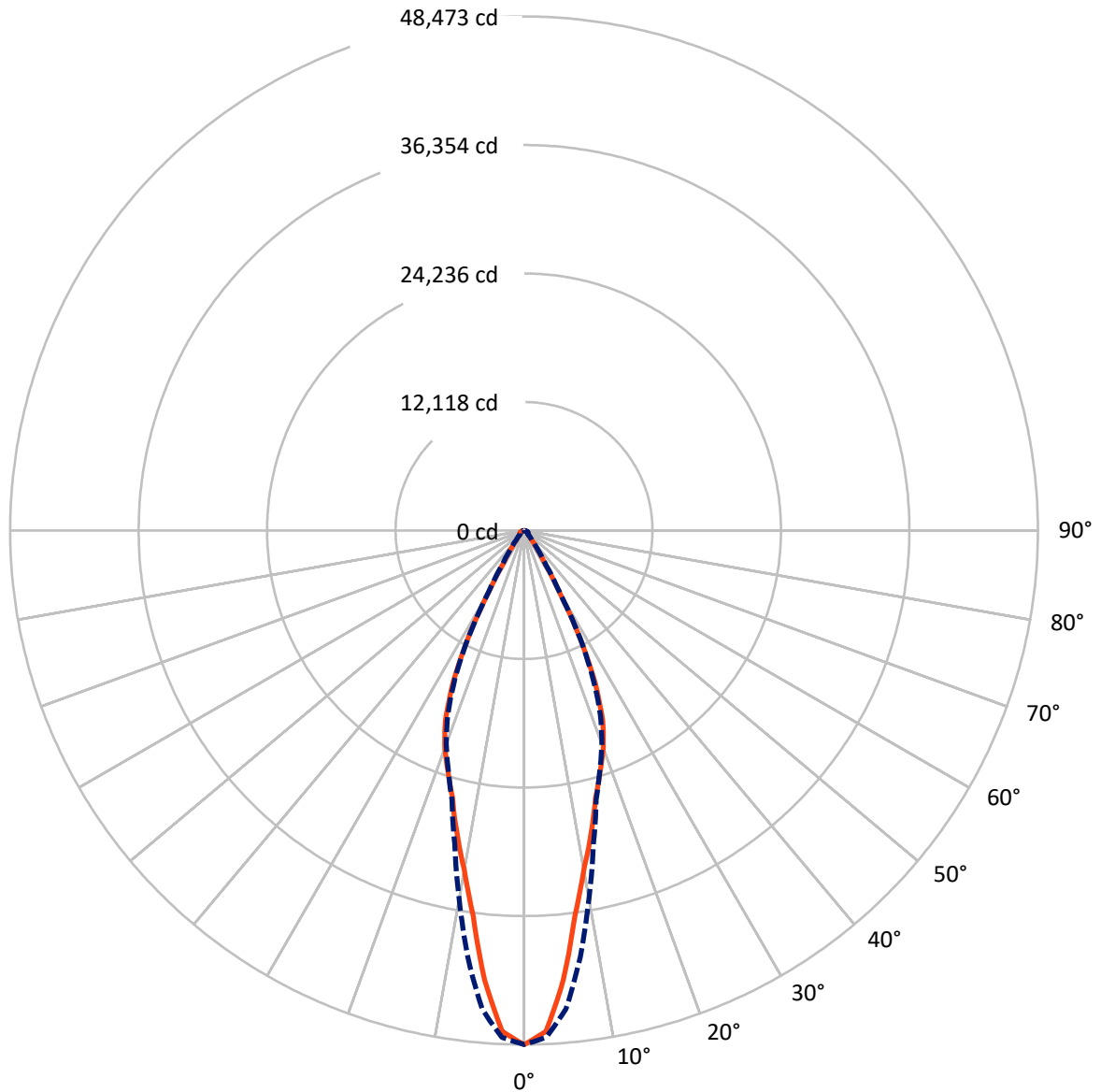
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 CATALOG NUMBER: GFLD-SA4E-930-U-MR-XX

Lumen Table

90																
80	0.3	2.4		6.7		11.0		12.8		11.0		6.7		2.4		0.3
70																
60	1.1	1.2	2.7	4.7	6.9	8.9	10.5	11.3	11.3	10.5	8.9	6.9	4.7	2.7	1.2	1.1
50		2.0	4.4	7.6	10.3	11.7	12.4	12.7	12.7	12.4	11.7	10.3	7.6	4.4	2.0	
40	2.0	2.8	6.1	9.1	10.7	13.2	17.0	19.5	19.5	17.0	13.2	10.7	9.1	6.1	2.8	2.0
30		3.5	7.1	9.2	13.9	27.3	52.0	79.4	79.4	52.0	27.3	13.9	9.2	7.1	3.5	
20	2.8	4.1	7.3	10.3	25.1	83.4	262.4	432.0	432.0	262.4	83.4	25.1	10.3	7.3	4.1	2.8
10		4.5	7.3	12.7	46.9	247.3	584.4	774.0	774.0	584.4	247.3	46.9	12.7	7.3	4.5	
0	3.0	4.7	7.3	14.6	71.2	389.6	760.0	1199.4	1199.4	760.0	389.6	71.2	14.6	7.3	4.7	3.0
-10		4.7	7.3	14.6	71.2	389.6	760.0	1199.4	1199.4	760.0	389.6	71.2	14.6	7.3	4.7	
-20	2.8	4.5	7.3	12.7	46.9	247.3	584.4	774.0	774.0	584.4	247.3	46.9	12.7	7.3	4.5	2.8
-30		4.1	7.3	10.3	25.1	83.4	262.4	432.0	432.0	262.4	83.4	25.1	10.3	7.3	4.1	
-40	2.0	3.5	7.1	9.2	13.9	27.3	52.0	79.4	79.4	52.0	27.3	13.9	9.2	7.1	3.5	2.0
-50		2.8	6.1	9.1	10.7	13.2	17.0	19.5	19.5	17.0	13.2	10.7	9.1	6.1	2.8	
-60	1.1	2.0	4.4	7.6	10.3	11.7	12.4	12.7	12.7	12.4	11.7	10.3	7.6	4.4	2.0	1.1
-70		1.2	2.7	4.7	6.9	8.9	10.5	11.3	11.3	10.5	8.9	6.9	4.7	2.7	1.2	
-80																
-90	0.3	2.4		6.7		11.0		12.8		11.0		6.7		2.4		0.3

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

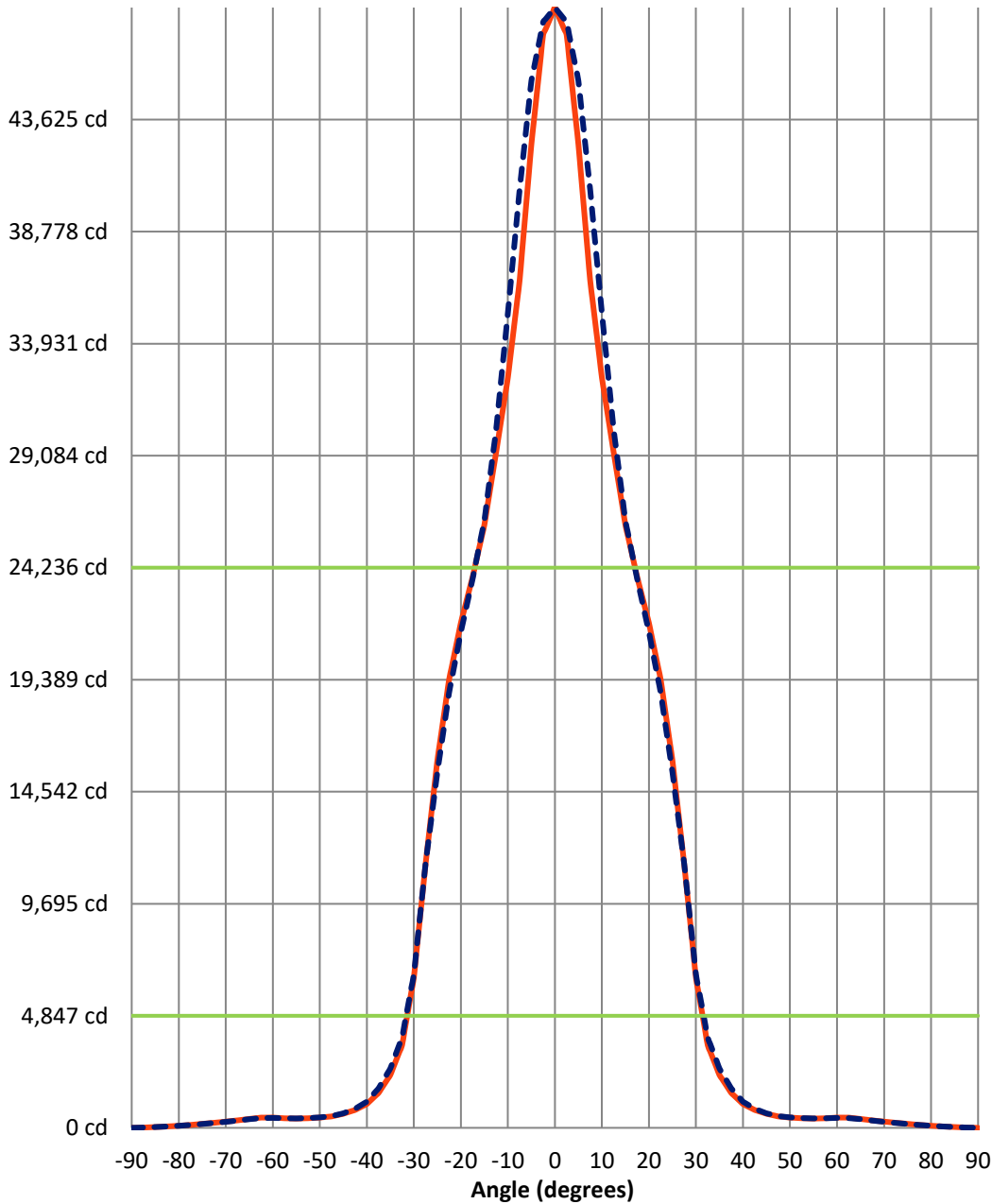
Luminous Intensity Polar Plot



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

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

Luminous Intensity Plot



Beam:
 H Angle: 34°
 V Angle: 34.1°
 Lumens: 9133.3
 Efficiency: 42.6%

Field:
 H Angle: 63.3°
 V Angle: 62.8°
 Lumens: 18666.7
 Efficiency: 87.1%

Spill:
 Lumens: 2776.3
 Efficiency: 12.9%

— 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	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.7	5.2
85°	0.0	1.1	2.1	3.2	4.3	5.3	6.4	7.4	8.4	9.4	10.4
82.5°	0.0	1.6	3.2	4.8	6.4	8.0	9.5	11.1	12.8	15.4	17.8
80°	0.0	2.1	4.3	6.4	8.5	10.6	13.0	16.7	20.2	23.4	26.4
77.5°	0.0	2.7	5.3	8.0	10.6	13.9	18.7	23.3	27.5	31.4	35.5
75°	0.0	3.2	6.4	9.5	13.0	18.6	24.4	29.8	34.8	40.1	45.6
72.5°	0.0	3.7	7.4	11.1	16.6	23.2	30.0	36.4	42.6	49.0	55.7
70°	0.0	4.2	8.4	12.8	20.1	27.7	35.5	43.0	50.3	57.9	67.6
67.5°	0.0	4.7	9.4	15.4	23.6	32.1	41.1	49.4	57.9	68.9	79.9
65°	0.0	5.2	10.4	17.9	27.0	36.6	46.6	55.8	67.6	79.9	92.9
62.5°	0.0	5.7	11.3	20.3	30.3	41.3	52.0	63.5	77.1	91.2	108.0
60°	0.0	6.1	12.3	22.7	33.5	45.9	57.4	71.7	86.5	104.5	122.8
57.5°	0.0	6.6	13.8	25.0	37.2	50.5	64.1	79.8	97.6	117.6	137.9
55°	0.0	7.1	15.4	27.3	40.8	54.9	70.9	87.7	108.9	130.4	152.9
52.5°	0.0	7.5	16.9	29.4	44.4	59.5	77.5	97.1	120.0	143.2	167.2
50°	0.0	7.9	18.3	31.5	47.9	64.8	83.9	106.3	130.6	155.4	182.3
47.5°	0.0	8.3	19.7	33.6	51.3	70.0	90.3	115.2	140.9	167.1	197.2
45°	0.0	8.7	21.1	36.1	54.6	74.9	97.4	123.6	150.8	180.1	211.7
42.5°	0.0	9.1	22.4	38.5	57.7	79.7	104.2	131.8	160.3	192.9	226.7
40°	0.0	9.4	23.6	40.8	61.1	84.2	110.7	139.8	170.0	205.2	241.3
37.5°	0.0	9.8	24.9	43.0	64.5	88.5	116.7	147.4	180.4	217.1	255.1
35°	0.0	10.1	26.0	45.1	67.8	93.1	122.4	154.7	190.2	228.7	268.4
32.5°	0.0	10.4	27.1	47.0	70.9	97.5	127.8	161.5	199.3	239.6	281.1
30°	0.0	10.7	28.1	48.7	73.8	101.6	133.3	168.2	207.8	249.8	293.0
27.5°	0.0	10.9	29.1	50.3	76.3	105.4	138.4	175.1	215.9	259.2	304.1
25°	0.0	11.1	30.0	51.8	78.5	108.8	143.1	181.4	223.6	268.2	314.3
22.5°	0.0	11.4	30.9	53.0	80.5	111.9	147.4	187.1	230.5	276.4	324.5
20°	0.0	11.6	31.6	54.1	82.3	114.5	151.3	192.2	236.8	283.9	333.6
17.5°	0.0	11.7	32.3	55.1	83.9	116.7	154.8	196.7	242.4	290.4	341.6
15°	0.0	11.9	32.9	55.9	85.3	118.7	157.8	200.7	247.2	296.2	348.5
12.5°	0.0	12.0	33.5	56.5	86.4	120.3	160.4	204.0	251.2	301.0	354.3
10°	0.0	12.1	34.0	57.0	87.2	121.6	162.6	206.8	254.4	305.4	359.4
7.5°	0.0	12.2	34.3	57.4	87.9	122.5	164.3	209.0	256.7	309.0	364.7
5°	0.0	12.3	34.6	57.6	88.3	123.2	165.5	210.6	258.3	311.8	369.0
2.5°	0.0	12.3	34.9	57.7	88.5	123.5	166.2	211.5	259.1	313.7	372.2
0°	0.0	12.3	35.0	57.6	88.4	123.4	166.5	211.8	259.1	314.6	374.2
-2.5°	0.0	12.3	34.9	57.7	88.5	123.5	166.2	211.5	259.1	313.7	372.2
-5°	0.0	12.3	34.6	57.6	88.3	123.2	165.5	210.6	258.3	311.8	369.0
-7.5°	0.0	12.2	34.3	57.4	87.9	122.5	164.3	209.0	256.7	309.0	364.7
-10°	0.0	12.1	34.0	57.0	87.2	121.6	162.6	206.8	254.4	305.4	359.4
-12.5°	0.0	12.0	33.5	56.5	86.4	120.3	160.4	204.0	251.2	301.0	354.3
-15°	0.0	11.9	32.9	55.9	85.3	118.7	157.8	200.7	247.2	296.2	348.5
-17.5°	0.0	11.7	32.3	55.1	83.9	116.7	154.8	196.7	242.4	290.4	341.6
-20°	0.0	11.6	31.6	54.1	82.3	114.5	151.3	192.2	236.8	283.9	333.6



REPORT NUMBER: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	11.4	30.9	53.0	80.5	111.9	147.4	187.1	230.5	276.4	324.5
-25°	0.0	11.1	30.0	51.8	78.5	108.8	143.1	181.4	223.6	268.2	314.3
-27.5°	0.0	10.9	29.1	50.3	76.3	105.4	138.4	175.1	215.9	259.2	304.1
-30°	0.0	10.7	28.1	48.7	73.8	101.6	133.3	168.2	207.8	249.8	293.0
-32.5°	0.0	10.4	27.1	47.0	70.9	97.5	127.8	161.5	199.3	239.6	281.1
-35°	0.0	10.1	26.0	45.1	67.8	93.1	122.4	154.7	190.2	228.7	268.4
-37.5°	0.0	9.8	24.9	43.0	64.5	88.5	116.7	147.4	180.4	217.1	255.1
-40°	0.0	9.4	23.6	40.8	61.1	84.2	110.7	139.8	170.0	205.2	241.3
-42.5°	0.0	9.1	22.4	38.5	57.7	79.7	104.2	131.8	160.3	192.9	226.7
-45°	0.0	8.7	21.1	36.1	54.6	74.9	97.4	123.6	150.8	180.1	211.7
-47.5°	0.0	8.3	19.7	33.6	51.3	70.0	90.3	115.2	140.9	167.1	197.2
-50°	0.0	7.9	18.3	31.5	47.9	64.8	83.9	106.3	130.6	155.4	182.3
-52.5°	0.0	7.5	16.9	29.4	44.4	59.5	77.5	97.1	120.0	143.2	167.2
-55°	0.0	7.1	15.4	27.3	40.8	54.9	70.9	87.7	108.9	130.4	152.9
-57.5°	0.0	6.6	13.8	25.0	37.2	50.5	64.1	79.8	97.6	117.6	137.9
-60°	0.0	6.1	12.3	22.7	33.5	45.9	57.4	71.7	86.5	104.5	122.8
-62.5°	0.0	5.7	11.3	20.3	30.3	41.3	52.0	63.5	77.1	91.2	108.0
-65°	0.0	5.2	10.4	17.9	27.0	36.6	46.6	55.8	67.6	79.9	92.9
-67.5°	0.0	4.7	9.4	15.4	23.6	32.1	41.1	49.4	57.9	68.9	79.9
-70°	0.0	4.2	8.4	12.8	20.1	27.7	35.5	43.0	50.3	57.9	67.6
-72.5°	0.0	3.7	7.4	11.1	16.6	23.2	30.0	36.4	42.6	49.0	55.7
-75°	0.0	3.2	6.4	9.5	13.0	18.6	24.4	29.8	34.8	40.1	45.6
-77.5°	0.0	2.7	5.3	8.0	10.6	13.9	18.7	23.3	27.5	31.4	35.5
-80°	0.0	2.1	4.3	6.4	8.5	10.6	13.0	16.7	20.2	23.4	26.4
-82.5°	0.0	1.6	3.2	4.8	6.4	8.0	9.5	11.1	12.8	15.4	17.8
-85°	0.0	1.1	2.1	3.2	4.3	5.3	6.4	7.4	8.4	9.4	10.4
-87.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.7	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: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-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°	5.7	6.1	6.6	7.1	7.5	7.9	8.3	8.7	9.1	9.4	9.8
85°	11.3	12.3	13.8	15.3	16.7	17.9	19.0	20.0	21.1	22.1	23.1
82.5°	20.2	22.5	24.8	27.1	28.9	30.4	32.0	34.3	36.8	39.3	41.7
80°	29.6	32.7	36.6	40.5	44.1	47.5	51.0	54.5	57.9	61.6	65.2
77.5°	40.3	45.3	50.4	55.6	60.5	66.3	72.1	77.8	82.9	87.5	91.7
75°	51.6	57.8	65.3	73.0	80.4	87.6	95.0	102.9	109.9	116.2	122.1
72.5°	63.9	72.9	82.0	91.1	101.3	111.2	120.7	129.8	138.3	146.2	154.0
70°	77.5	87.9	100.0	112.4	124.2	135.5	146.5	156.8	166.6	177.0	188.0
67.5°	91.5	105.8	119.8	133.7	147.6	160.4	172.4	185.8	199.0	212.0	224.5
65°	108.1	123.9	140.1	156.0	171.2	186.6	202.1	217.3	232.8	247.6	261.4
62.5°	124.5	142.9	160.9	178.4	196.4	214.0	232.1	250.0	267.2	285.2	302.4
60°	142.1	162.1	181.7	201.5	221.7	242.8	262.9	283.9	305.0	325.4	344.9
57.5°	159.3	181.0	202.5	225.0	248.5	271.7	295.6	319.2	343.3	366.4	386.6
55°	176.2	199.5	223.7	249.5	275.4	302.0	328.7	356.1	382.1	401.6	419.9
52.5°	193.0	218.2	246.0	274.0	302.7	332.6	363.6	390.1	411.8	428.4	432.4
50°	209.6	238.4	267.8	298.6	330.3	364.1	393.8	417.7	429.9	434.6	432.1
47.5°	227.2	258.1	289.7	322.8	358.3	390.6	418.6	430.8	436.6	430.3	422.5
45°	244.6	277.7	311.1	347.4	382.9	413.5	429.2	437.8	430.1	422.5	417.1
42.5°	261.3	296.7	333.3	370.7	403.8	425.4	435.3	430.3	423.6	417.8	419.8
40°	277.9	315.1	355.1	390.3	420.1	431.1	429.4	423.3	419.4	421.9	430.3
37.5°	293.8	334.3	375.2	409.3	425.4	429.8	422.4	418.5	421.4	431.2	449.7
35°	308.9	352.8	391.7	420.3	431.0	423.4	418.2	417.6	428.6	448.3	475.8
32.5°	324.2	370.4	407.2	425.1	426.8	418.4	414.5	423.9	441.2	467.3	513.6
30°	339.2	383.9	418.6	429.5	422.0	415.5	417.8	431.4	454.9	498.2	573.1
27.5°	352.7	396.2	422.3	427.4	417.8	412.4	422.6	443.1	477.3	535.0	641.9
25°	365.2	407.3	425.5	423.5	415.0	414.4	428.3	453.5	500.7	594.1	740.6
22.5°	375.3	417.5	428.5	419.9	412.2	417.7	437.1	472.2	535.3	649.9	843.5
20°	383.7	420.0	428.0	416.4	409.5	420.4	445.0	490.5	582.0	737.1	959.4
17.5°	391.2	422.2	425.1	414.1	411.1	424.7	453.2	506.8	623.4	812.0	1070.7
15°	397.9	424.2	422.3	412.1	413.1	430.5	466.6	537.6	673.0	882.7	1170.7
12.5°	403.6	425.9	419.7	410.5	414.6	435.3	477.9	565.6	722.1	959.3	1331.0
10°	408.5	427.2	417.3	409.1	415.6	439.2	487.2	587.8	759.8	1024.2	1465.6
7.5°	412.9	428.3	415.3	408.0	416.1	442.0	494.2	604.0	786.7	1076.4	1566.2
5°	416.2	429.1	414.2	407.5	417.6	445.1	499.3	614.5	803.0	1114.4	1633.6
2.5°	418.4	429.6	413.5	407.2	419.7	449.2	503.7	623.5	817.6	1133.2	1681.5
0°	419.4	429.7	413.3	407.1	421.5	452.3	505.8	627.1	824.5	1132.9	1710.7
-2.5°	418.4	429.6	413.5	407.2	419.7	449.2	503.7	623.5	817.6	1133.2	1681.5
-5°	416.2	429.1	414.2	407.5	417.6	445.1	499.3	614.5	803.0	1114.4	1633.6
-7.5°	412.9	428.3	415.3	408.0	416.1	442.0	494.2	604.0	786.7	1076.4	1566.2
-10°	408.5	427.2	417.3	409.1	415.6	439.2	487.2	587.8	759.8	1024.2	1465.6
-12.5°	403.6	425.9	419.7	410.5	414.6	435.3	477.9	565.6	722.1	959.3	1331.0
-15°	397.9	424.2	422.3	412.1	413.1	430.5	466.6	537.6	673.0	882.7	1170.7
-17.5°	391.2	422.2	425.1	414.1	411.1	424.7	453.2	506.8	623.4	812.0	1070.7
-20°	383.7	420.0	428.0	416.4	409.5	420.4	445.0	490.5	582.0	737.1	959.4



REPORT NUMBER: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	375.3	417.5	428.5	419.9	412.2	417.7	437.1	472.2	535.3	649.9	843.5
-25°	365.2	407.3	425.5	423.5	415.0	414.4	428.3	453.5	500.7	594.1	740.6
-27.5°	352.7	396.2	422.3	427.4	417.8	412.4	422.6	443.1	477.3	535.0	641.9
-30°	339.2	383.9	418.6	429.5	422.0	415.5	417.8	431.4	454.9	498.2	573.1
-32.5°	324.2	370.4	407.2	425.1	426.8	418.4	414.5	423.9	441.2	467.3	513.6
-35°	308.9	352.8	391.7	420.3	431.0	423.4	418.2	417.6	428.6	448.3	475.8
-37.5°	293.8	334.3	375.2	409.3	425.4	429.8	422.4	418.5	421.4	431.2	449.7
-40°	277.9	315.1	355.1	390.3	420.1	431.1	429.4	423.3	419.4	421.9	430.3
-42.5°	261.3	296.7	333.3	370.7	403.8	425.4	435.3	430.3	423.6	417.8	419.8
-45°	244.6	277.7	311.1	347.4	382.9	413.5	429.2	437.8	430.1	422.5	417.1
-47.5°	227.2	258.1	289.7	322.8	358.3	390.6	418.6	430.8	436.6	430.3	422.5
-50°	209.6	238.4	267.8	298.6	330.3	364.1	393.8	417.7	429.9	434.6	432.1
-52.5°	193.0	218.2	246.0	274.0	302.7	332.6	363.6	390.1	411.8	428.4	432.4
-55°	176.2	199.5	223.7	249.5	275.4	302.0	328.7	356.1	382.1	401.6	419.9
-57.5°	159.3	181.0	202.5	225.0	248.5	271.7	295.6	319.2	343.3	366.4	386.6
-60°	142.1	162.1	181.7	201.5	221.7	242.8	262.9	283.9	305.0	325.4	344.9
-62.5°	124.5	142.9	160.9	178.4	196.4	214.0	232.1	250.0	267.2	285.2	302.4
-65°	108.1	123.9	140.1	156.0	171.2	186.6	202.1	217.3	232.8	247.6	261.4
-67.5°	91.5	105.8	119.8	133.7	147.6	160.4	172.4	185.8	199.0	212.0	224.5
-70°	77.5	87.9	100.0	112.4	124.2	135.5	146.5	156.8	166.6	177.0	188.0
-72.5°	63.9	72.9	82.0	91.1	101.3	111.2	120.7	129.8	138.3	146.2	154.0
-75°	51.6	57.8	65.3	73.0	80.4	87.6	95.0	102.9	109.9	116.2	122.1
-77.5°	40.3	45.3	50.4	55.6	60.5	66.3	72.1	77.8	82.9	87.5	91.7
-80°	29.6	32.7	36.6	40.5	44.1	47.5	51.0	54.5	57.9	61.6	65.2
-82.5°	20.2	22.5	24.8	27.1	28.9	30.4	32.0	34.3	36.8	39.3	41.7
-85°	11.3	12.3	13.8	15.3	16.7	17.9	19.0	20.0	21.1	22.1	23.1
-87.5°	5.7	6.1	6.6	7.1	7.5	7.9	8.3	8.7	9.1	9.4	9.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-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°	10.1	10.0	9.8	9.6	9.3	9.5	9.7	9.8	9.9	10.5	11.1
85°	24.1	25.2	26.3	27.5	28.6	29.5	30.2	30.8	31.4	31.8	32.2
82.5°	43.9	46.2	48.4	50.3	52.0	53.5	54.7	55.9	56.9	57.7	58.4
80°	68.5	71.6	74.3	76.7	78.9	80.7	82.2	83.5	84.5	86.5	88.5
77.5°	96.0	100.2	104.2	107.8	111.1	114.3	117.3	120.0	122.4	124.3	125.6
75°	127.7	133.1	138.6	143.5	148.1	152.8	157.3	161.5	165.2	167.8	169.6
72.5°	161.9	169.2	175.8	182.1	187.7	193.4	199.1	204.2	208.7	212.2	214.9
70°	198.5	207.9	215.6	222.8	229.8	237.0	243.9	250.0	255.3	259.6	263.1
67.5°	236.3	247.1	256.8	266.2	275.6	284.5	292.9	300.8	308.0	313.5	317.1
65°	275.0	288.9	301.7	313.3	323.7	333.7	344.3	354.0	362.8	370.0	375.6
62.5°	318.8	334.5	349.0	361.9	373.6	382.9	392.9	402.1	410.3	417.9	425.5
60°	363.5	381.1	393.8	404.8	414.9	423.9	427.3	430.7	433.4	435.9	438.9
57.5°	402.6	417.7	428.6	431.1	433.3	435.2	434.0	430.4	426.8	423.1	420.2
55°	429.8	434.1	438.9	435.1	429.1	423.5	418.5	415.1	411.9	409.0	406.5
52.5°	437.0	432.9	427.8	422.2	418.1	413.8	409.5	410.3	411.6	412.6	413.1
50°	426.4	421.5	418.8	415.6	416.2	418.3	420.1	424.1	429.2	432.8	435.8
47.5°	418.2	415.0	419.1	424.3	429.2	438.0	445.8	453.5	465.4	474.9	482.5
45°	415.9	423.7	431.8	444.5	455.7	475.2	493.5	508.8	537.2	563.2	583.6
42.5°	427.7	441.1	455.7	480.5	507.3	541.7	585.8	623.2	666.9	707.7	737.2
40°	447.1	466.8	499.7	539.6	602.3	658.0	731.2	793.7	852.5	914.8	961.6
37.5°	475.0	511.8	573.4	645.2	740.3	831.5	932.3	1030.2	1113.6	1239.8	1338.6
35°	516.4	591.0	678.4	798.4	922.5	1062.4	1209.8	1399.7	1566.9	1763.2	1947.6
32.5°	591.9	692.8	829.9	992.2	1157.1	1398.5	1626.3	1934.8	2212.1	2558.2	2930.4
30°	680.3	830.9	1015.0	1226.9	1525.6	1857.7	2232.0	2705.4	3267.8	3937.6	4836.3
27.5°	802.1	995.4	1227.0	1570.6	1994.3	2439.3	3103.1	3898.8	5348.8	6612.5	8287.2
25°	933.2	1169.3	1535.7	1997.3	2554.9	3356.2	4654.0	6309.7	8654.8	10897.2	12689.9
22.5°	1084.4	1429.4	1891.8	2466.4	3368.7	4920.2	6935.2	9850.9	12466.0	14727.7	16469.5
20°	1251.7	1684.5	2305.9	3184.0	4720.7	6992.9	10227.6	13220.0	15891.0	17838.0	19376.9
17.5°	1468.5	2033.8	2822.2	4033.9	6392.5	9893.8	13228.6	16186.4	18510.3	20220.9	21585.2
15°	1670.9	2355.3	3377.1	5444.5	8663.8	12405.9	15824.1	18462.6	20473.7	22065.5	23292.1
12.5°	1909.7	2716.5	4025.8	6663.1	10752.2	14478.4	17667.0	20130.8	22067.4	23559.5	25203.4
10°	2122.5	3105.1	4955.3	8287.0	12467.3	16107.2	19203.6	21417.8	23359.7	25304.2	27769.3
7.5°	2298.2	3431.3	5717.5	9657.2	13784.0	17312.0	20132.9	22345.2	24485.5	27082.4	30638.0
5°	2437.7	3677.2	6344.6	10691.7	14741.2	18171.9	20842.6	23085.2	25502.6	28976.6	33748.1
2.5°	2531.0	3838.4	6736.6	11316.6	15345.1	18665.1	21368.7	23569.1	26103.7	30037.0	35022.0
0°	2568.1	3912.8	6637.1	11429.9	15381.7	18825.7	21447.2	23750.0	26274.9	30214.4	35255.9
-2.5°	2531.0	3838.4	6736.6	11316.6	15345.1	18665.1	21368.7	23569.1	26103.7	30037.0	35022.0
-5°	2437.7	3677.2	6344.6	10691.7	14741.2	18171.9	20842.6	23085.2	25502.6	28976.6	33748.1
-7.5°	2298.2	3431.3	5717.5	9657.2	13784.0	17312.0	20132.9	22345.2	24485.5	27082.4	30638.0
-10°	2122.5	3105.1	4955.3	8287.0	12467.3	16107.2	19203.6	21417.8	23359.7	25304.2	27769.3
-12.5°	1909.7	2716.5	4025.8	6663.1	10752.2	14478.4	17667.0	20130.8	22067.4	23559.5	25203.4
-15°	1670.9	2355.3	3377.1	5444.5	8663.8	12405.9	15824.1	18462.6	20473.7	22065.5	23292.1
-17.5°	1468.5	2033.8	2822.2	4033.9	6392.5	9893.8	13228.6	16186.4	18510.3	20220.9	21585.2
-20°	1251.7	1684.5	2305.9	3184.0	4720.7	6992.9	10227.6	13220.0	15891.0	17838.0	19376.9



REPORT NUMBER: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1084.4	1429.4	1891.8	2466.4	3368.7	4920.2	6935.2	9850.9	12466.0	14727.7	16469.5
-25°	933.2	1169.3	1535.7	1997.3	2554.9	3356.2	4654.0	6309.7	8654.8	10897.2	12689.9
-27.5°	802.1	995.4	1227.0	1570.6	1994.3	2439.3	3103.1	3898.8	5348.8	6612.5	8287.2
-30°	680.3	830.9	1015.0	1226.9	1525.6	1857.7	2232.0	2705.4	3267.8	3937.6	4836.3
-32.5°	591.9	692.8	829.9	992.2	1157.1	1398.5	1626.3	1934.8	2212.1	2558.2	2930.4
-35°	516.4	591.0	678.4	798.4	922.5	1062.4	1209.8	1399.7	1566.9	1763.2	1947.6
-37.5°	475.0	511.8	573.4	645.2	740.3	831.5	932.3	1030.2	1113.6	1239.8	1338.6
-40°	447.1	466.8	499.7	539.6	602.3	658.0	731.2	793.7	852.5	914.8	961.6
-42.5°	427.7	441.1	455.7	480.5	507.3	541.7	585.8	623.2	666.9	707.7	737.2
-45°	415.9	423.7	431.8	444.5	455.7	475.2	493.5	508.8	537.2	563.2	583.6
-47.5°	418.2	415.0	419.1	424.3	429.2	438.0	445.8	453.5	465.4	474.9	482.5
-50°	426.4	421.5	418.8	415.6	416.2	418.3	420.1	424.1	429.2	432.8	435.8
-52.5°	437.0	432.9	427.8	422.2	418.1	413.8	409.5	410.3	411.6	412.6	413.1
-55°	429.8	434.1	438.9	435.1	429.1	423.5	418.5	415.1	411.9	409.0	406.5
-57.5°	402.6	417.7	428.6	431.1	433.3	435.2	434.0	430.4	426.8	423.1	420.2
-60°	363.5	381.1	393.8	404.8	414.9	423.9	427.3	430.7	433.4	435.9	438.9
-62.5°	318.8	334.5	349.0	361.9	373.6	382.9	392.9	402.1	410.3	417.9	425.5
-65°	275.0	288.9	301.7	313.3	323.7	333.7	344.3	354.0	362.8	370.0	375.6
-67.5°	236.3	247.1	256.8	266.2	275.6	284.5	292.9	300.8	308.0	313.5	317.1
-70°	198.5	207.9	215.6	222.8	229.8	237.0	243.9	250.0	255.3	259.6	263.1
-72.5°	161.9	169.2	175.8	182.1	187.7	193.4	199.1	204.2	208.7	212.2	214.9
-75°	127.7	133.1	138.6	143.5	148.1	152.8	157.3	161.5	165.2	167.8	169.6
-77.5°	96.0	100.2	104.2	107.8	111.1	114.3	117.3	120.0	122.4	124.3	125.6
-80°	68.5	71.6	74.3	76.7	78.9	80.7	82.2	83.5	84.5	86.5	88.5
-82.5°	43.9	46.2	48.4	50.3	52.0	53.5	54.7	55.9	56.9	57.7	58.4
-85°	24.1	25.2	26.3	27.5	28.6	29.5	30.2	30.8	31.4	31.8	32.2
-87.5°	10.1	10.0	9.8	9.6	9.3	9.5	9.7	9.8	9.9	10.5	11.1
-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: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-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°	11.7	12.3	12.3	12.3	12.3	12.3	11.7	11.1	10.5	9.9	9.8
85°	32.5	32.7	33.9	35.0	33.9	32.7	32.5	32.2	31.8	31.4	30.8
82.5°	58.9	59.3	59.5	59.6	59.5	59.3	58.9	58.4	57.7	56.9	55.9
80°	90.3	92.0	91.4	90.5	91.4	92.0	90.3	88.5	86.5	84.5	83.5
77.5°	126.4	126.8	126.3	125.4	126.3	126.8	126.4	125.6	124.3	122.4	120.0
75°	170.9	171.7	172.4	172.7	172.4	171.7	170.9	169.6	167.8	165.2	161.5
72.5°	217.1	218.7	218.7	217.9	218.7	218.7	217.1	214.9	212.2	208.7	204.2
70°	265.8	267.7	268.9	269.3	268.9	267.7	265.8	263.1	259.6	255.3	250.0
67.5°	319.6	321.0	322.3	322.8	322.3	321.0	319.6	317.1	313.5	308.0	300.8
65°	380.2	383.8	385.0	384.5	385.0	383.8	380.2	375.6	370.0	362.8	354.0
62.5°	432.5	438.8	441.5	442.1	441.5	438.8	432.5	425.5	417.9	410.3	402.1
60°	441.4	443.5	444.1	444.1	444.1	443.5	441.4	438.9	435.9	433.4	430.7
57.5°	417.5	415.2	413.7	413.3	413.7	415.2	417.5	420.2	423.1	426.8	430.4
55°	404.2	402.1	401.1	400.9	401.1	402.1	404.2	406.5	409.0	411.9	415.1
52.5°	413.3	413.0	413.8	415.3	413.8	413.0	413.3	413.1	412.6	411.6	410.3
50°	438.5	440.3	442.3	444.1	442.3	440.3	438.5	435.8	432.8	429.2	424.1
47.5°	487.9	490.8	492.5	493.5	492.5	490.8	487.9	482.5	474.9	465.4	453.5
45°	597.0	604.1	607.5	608.6	607.5	604.1	597.0	583.6	563.2	537.2	508.8
42.5°	756.8	767.6	772.2	773.1	772.2	767.6	756.8	737.2	707.7	666.9	623.2
40°	995.2	1014.3	1023.5	1030.1	1023.5	1014.3	995.2	961.6	914.8	852.5	793.7
37.5°	1412.5	1460.5	1487.7	1511.2	1487.7	1460.5	1412.5	1338.6	1239.8	1113.6	1030.2
35°	2097.7	2207.6	2272.3	2286.4	2272.3	2207.6	2097.7	1947.6	1763.2	1566.9	1399.7
32.5°	3217.0	3432.6	3561.6	3577.6	3561.6	3432.6	3217.0	2930.4	2558.2	2212.1	1934.8
30°	5534.0	6138.1	6552.2	6495.2	6552.2	6138.1	5534.0	4836.3	3937.6	3267.8	2705.4
27.5°	9659.1	10754.8	11466.5	11407.2	11466.5	10754.8	9659.1	8287.2	6612.5	5348.8	3898.8
25°	14068.1	15076.5	15671.8	15891.6	15671.8	15076.5	14068.1	12689.9	10897.2	8654.8	6309.7
22.5°	17668.5	18570.0	19084.9	19393.1	19084.9	18570.0	17668.5	16469.5	14727.7	12466.0	9850.9
20°	20427.0	21208.9	21651.8	21842.0	21651.8	21208.9	20427.0	19376.9	17838.0	15891.0	13220.0
17.5°	22549.2	23203.7	23705.3	23834.3	23705.3	23203.7	22549.2	21585.2	20220.9	18510.3	16186.4
15°	24426.4	25271.9	25863.2	26083.7	25863.2	25271.9	24426.4	23292.1	22065.5	20473.7	18462.6
12.5°	26793.5	28263.6	29045.2	29225.4	29045.2	28263.6	26793.5	25203.4	23559.5	22067.4	20130.8
10°	30292.3	32552.0	32808.1	32457.6	32808.1	32552.0	30292.3	27769.3	25304.2	23359.7	21417.8
7.5°	35387.9	38401.1	37749.6	36664.4	37749.6	38401.1	35387.9	30638.0	27082.4	24485.5	22345.2
5°	39034.3	43217.8	43347.7	42551.0	43347.7	43217.8	39034.3	33748.1	28976.6	25502.6	23085.2
2.5°	40486.0	44792.5	46935.9	47287.2	46935.9	44792.5	40486.0	35022.0	30037.0	26103.7	23569.1
0°	40594.7	45300.0	47841.3	48472.6	47841.3	45300.0	40594.7	35255.9	30214.4	26274.9	23750.0
-2.5°	40486.0	44792.5	46935.9	47287.2	46935.9	44792.5	40486.0	35022.0	30037.0	26103.7	23569.1
-5°	39034.3	43217.8	43347.7	42551.0	43347.7	43217.8	39034.3	33748.1	28976.6	25502.6	23085.2
-7.5°	35387.9	38401.1	37749.6	36664.4	37749.6	38401.1	35387.9	30638.0	27082.4	24485.5	22345.2
-10°	30292.3	32552.0	32808.1	32457.6	32808.1	32552.0	30292.3	27769.3	25304.2	23359.7	21417.8
-12.5°	26793.5	28263.6	29045.2	29225.4	29045.2	28263.6	26793.5	25203.4	23559.5	22067.4	20130.8
-15°	24426.4	25271.9	25863.2	26083.7	25863.2	25271.9	24426.4	23292.1	22065.5	20473.7	18462.6
-17.5°	22549.2	23203.7	23705.3	23834.3	23705.3	23203.7	22549.2	21585.2	20220.9	18510.3	16186.4
-20°	20427.0	21208.9	21651.8	21842.0	21651.8	21208.9	20427.0	19376.9	17838.0	15891.0	13220.0



REPORT NUMBER: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17668.5	18570.0	19084.9	19393.1	19084.9	18570.0	17668.5	16469.5	14727.7	12466.0	9850.9
-25°	14068.1	15076.5	15671.8	15891.6	15671.8	15076.5	14068.1	12689.9	10897.2	8654.8	6309.7
-27.5°	9659.1	10754.8	11466.5	11407.2	11466.5	10754.8	9659.1	8287.2	6612.5	5348.8	3898.8
-30°	5534.0	6138.1	6552.2	6495.2	6552.2	6138.1	5534.0	4836.3	3937.6	3267.8	2705.4
-32.5°	3217.0	3432.6	3561.6	3577.6	3561.6	3432.6	3217.0	2930.4	2558.2	2212.1	1934.8
-35°	2097.7	2207.6	2272.3	2286.4	2272.3	2207.6	2097.7	1947.6	1763.2	1566.9	1399.7
-37.5°	1412.5	1460.5	1487.7	1511.2	1487.7	1460.5	1412.5	1338.6	1239.8	1113.6	1030.2
-40°	995.2	1014.3	1023.5	1030.1	1023.5	1014.3	995.2	961.6	914.8	852.5	793.7
-42.5°	756.8	767.6	772.2	773.1	772.2	767.6	756.8	737.2	707.7	666.9	623.2
-45°	597.0	604.1	607.5	608.6	607.5	604.1	597.0	583.6	563.2	537.2	508.8
-47.5°	487.9	490.8	492.5	493.5	492.5	490.8	487.9	482.5	474.9	465.4	453.5
-50°	438.5	440.3	442.3	444.1	442.3	440.3	438.5	435.8	432.8	429.2	424.1
-52.5°	413.3	413.0	413.8	415.3	413.8	413.0	413.3	413.1	412.6	411.6	410.3
-55°	404.2	402.1	401.1	400.9	401.1	402.1	404.2	406.5	409.0	411.9	415.1
-57.5°	417.5	415.2	413.7	413.3	413.7	415.2	417.5	420.2	423.1	426.8	430.4
-60°	441.4	443.5	444.1	444.1	444.1	443.5	441.4	438.9	435.9	433.4	430.7
-62.5°	432.5	438.8	441.5	442.1	441.5	438.8	432.5	425.5	417.9	410.3	402.1
-65°	380.2	383.8	385.0	384.5	385.0	383.8	380.2	375.6	370.0	362.8	354.0
-67.5°	319.6	321.0	322.3	322.8	322.3	321.0	319.6	317.1	313.5	308.0	300.8
-70°	265.8	267.7	268.9	269.3	268.9	267.7	265.8	263.1	259.6	255.3	250.0
-72.5°	217.1	218.7	218.7	217.9	218.7	218.7	217.1	214.9	212.2	208.7	204.2
-75°	170.9	171.7	172.4	172.7	172.4	171.7	170.9	169.6	167.8	165.2	161.5
-77.5°	126.4	126.8	126.3	125.4	126.3	126.8	126.4	125.6	124.3	122.4	120.0
-80°	90.3	92.0	91.4	90.5	91.4	92.0	90.3	88.5	86.5	84.5	83.5
-82.5°	58.9	59.3	59.5	59.6	59.5	59.3	58.9	58.4	57.7	56.9	55.9
-85°	32.5	32.7	33.9	35.0	33.9	32.7	32.5	32.2	31.8	31.4	30.8
-87.5°	11.7	12.3	12.3	12.3	12.3	12.3	11.7	11.1	10.5	9.9	9.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-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°	9.7	9.5	9.3	9.6	9.8	10.0	10.1	9.8	9.4	9.1	8.7
85°	30.2	29.5	28.6	27.5	26.3	25.2	24.1	23.1	22.1	21.1	20.0
82.5°	54.7	53.5	52.0	50.3	48.4	46.2	43.9	41.7	39.3	36.8	34.3
80°	82.2	80.7	78.9	76.7	74.3	71.6	68.5	65.2	61.6	57.9	54.5
77.5°	117.3	114.3	111.1	107.8	104.2	100.2	96.0	91.7	87.5	82.9	77.8
75°	157.3	152.8	148.1	143.5	138.6	133.1	127.7	122.1	116.2	109.9	102.9
72.5°	199.1	193.4	187.7	182.1	175.8	169.2	161.9	154.0	146.2	138.3	129.8
70°	243.9	237.0	229.8	222.8	215.6	207.9	198.5	188.0	177.0	166.6	156.8
67.5°	292.9	284.5	275.6	266.2	256.8	247.1	236.3	224.5	212.0	199.0	185.8
65°	344.3	333.7	323.7	313.3	301.7	288.9	275.0	261.4	247.6	232.8	217.3
62.5°	392.9	382.9	373.6	361.9	349.0	334.5	318.8	302.4	285.2	267.2	250.0
60°	427.3	423.9	414.9	404.8	393.8	381.1	363.5	344.9	325.4	305.0	283.9
57.5°	434.0	435.2	433.3	431.1	428.6	417.7	402.6	386.6	366.4	343.3	319.2
55°	418.5	423.5	429.1	435.1	438.9	434.1	429.8	419.9	401.6	382.1	356.1
52.5°	409.5	413.8	418.1	422.2	427.8	432.9	437.0	432.4	428.4	411.8	390.1
50°	420.1	418.3	416.2	415.6	418.8	421.5	426.4	432.1	434.6	429.9	417.7
47.5°	445.8	438.0	429.2	424.3	419.1	415.0	418.2	422.5	430.3	436.6	430.8
45°	493.5	475.2	455.7	444.5	431.8	423.7	415.9	417.1	422.5	430.1	437.8
42.5°	585.8	541.7	507.3	480.5	455.7	441.1	427.7	419.8	417.8	423.6	430.3
40°	731.2	658.0	602.3	539.6	499.7	466.8	447.1	430.3	421.9	419.4	423.3
37.5°	932.3	831.5	740.3	645.2	573.4	511.8	475.0	449.7	431.2	421.4	418.5
35°	1209.8	1062.4	922.5	798.4	678.4	591.0	516.4	475.8	448.3	428.6	417.6
32.5°	1626.3	1398.5	1157.1	992.2	829.9	692.8	591.9	513.6	467.3	441.2	423.9
30°	2232.0	1857.7	1525.6	1226.9	1015.0	830.9	680.3	573.1	498.2	454.9	431.4
27.5°	3103.1	2439.3	1994.3	1570.6	1227.0	995.4	802.1	641.9	535.0	477.3	443.1
25°	4654.0	3356.2	2554.9	1997.3	1535.7	1169.3	933.2	740.6	594.1	500.7	453.5
22.5°	6935.2	4920.2	3368.7	2466.4	1891.8	1429.4	1084.4	843.5	649.9	535.3	472.2
20°	10227.6	6992.9	4720.7	3184.0	2305.9	1684.5	1251.7	959.4	737.1	582.0	490.5
17.5°	13228.6	9893.8	6392.5	4033.9	2822.2	2033.8	1468.5	1070.7	812.0	623.4	506.8
15°	15824.1	12405.9	8663.8	5444.5	3377.1	2355.3	1670.9	1170.7	882.7	673.0	537.6
12.5°	17667.0	14478.4	10752.2	6663.1	4025.8	2716.5	1909.7	1331.0	959.3	722.1	565.6
10°	19203.6	16107.2	12467.3	8287.0	4955.3	3105.1	2122.5	1465.6	1024.2	759.8	587.8
7.5°	20132.9	17312.0	13784.0	9657.2	5717.5	3431.3	2298.2	1566.2	1076.4	786.7	604.0
5°	20842.6	18171.9	14741.2	10691.7	6344.6	3677.2	2437.7	1633.6	1114.4	803.0	614.5
2.5°	21368.7	18665.1	15345.1	11316.6	6736.6	3838.4	2531.0	1681.5	1133.2	817.6	623.5
0°	21447.2	18825.7	15381.7	11429.9	6637.1	3912.8	2568.1	1710.7	1132.9	824.5	627.1
-2.5°	21368.7	18665.1	15345.1	11316.6	6736.6	3838.4	2531.0	1681.5	1133.2	817.6	623.5
-5°	20842.6	18171.9	14741.2	10691.7	6344.6	3677.2	2437.7	1633.6	1114.4	803.0	614.5
-7.5°	20132.9	17312.0	13784.0	9657.2	5717.5	3431.3	2298.2	1566.2	1076.4	786.7	604.0
-10°	19203.6	16107.2	12467.3	8287.0	4955.3	3105.1	2122.5	1465.6	1024.2	759.8	587.8
-12.5°	17667.0	14478.4	10752.2	6663.1	4025.8	2716.5	1909.7	1331.0	959.3	722.1	565.6
-15°	15824.1	12405.9	8663.8	5444.5	3377.1	2355.3	1670.9	1170.7	882.7	673.0	537.6
-17.5°	13228.6	9893.8	6392.5	4033.9	2822.2	2033.8	1468.5	1070.7	812.0	623.4	506.8
-20°	10227.6	6992.9	4720.7	3184.0	2305.9	1684.5	1251.7	959.4	737.1	582.0	490.5



REPORT NUMBER: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6935.2	4920.2	3368.7	2466.4	1891.8	1429.4	1084.4	843.5	649.9	535.3	472.2
-25°	4654.0	3356.2	2554.9	1997.3	1535.7	1169.3	933.2	740.6	594.1	500.7	453.5
-27.5°	3103.1	2439.3	1994.3	1570.6	1227.0	995.4	802.1	641.9	535.0	477.3	443.1
-30°	2232.0	1857.7	1525.6	1226.9	1015.0	830.9	680.3	573.1	498.2	454.9	431.4
-32.5°	1626.3	1398.5	1157.1	992.2	829.9	692.8	591.9	513.6	467.3	441.2	423.9
-35°	1209.8	1062.4	922.5	798.4	678.4	591.0	516.4	475.8	448.3	428.6	417.6
-37.5°	932.3	831.5	740.3	645.2	573.4	511.8	475.0	449.7	431.2	421.4	418.5
-40°	731.2	658.0	602.3	539.6	499.7	466.8	447.1	430.3	421.9	419.4	423.3
-42.5°	585.8	541.7	507.3	480.5	455.7	441.1	427.7	419.8	417.8	423.6	430.3
-45°	493.5	475.2	455.7	444.5	431.8	423.7	415.9	417.1	422.5	430.1	437.8
-47.5°	445.8	438.0	429.2	424.3	419.1	415.0	418.2	422.5	430.3	436.6	430.8
-50°	420.1	418.3	416.2	415.6	418.8	421.5	426.4	432.1	434.6	429.9	417.7
-52.5°	409.5	413.8	418.1	422.2	427.8	432.9	437.0	432.4	428.4	411.8	390.1
-55°	418.5	423.5	429.1	435.1	438.9	434.1	429.8	419.9	401.6	382.1	356.1
-57.5°	434.0	435.2	433.3	431.1	428.6	417.7	402.6	386.6	366.4	343.3	319.2
-60°	427.3	423.9	414.9	404.8	393.8	381.1	363.5	344.9	325.4	305.0	283.9
-62.5°	392.9	382.9	373.6	361.9	349.0	334.5	318.8	302.4	285.2	267.2	250.0
-65°	344.3	333.7	323.7	313.3	301.7	288.9	275.0	261.4	247.6	232.8	217.3
-67.5°	292.9	284.5	275.6	266.2	256.8	247.1	236.3	224.5	212.0	199.0	185.8
-70°	243.9	237.0	229.8	222.8	215.6	207.9	198.5	188.0	177.0	166.6	156.8
-72.5°	199.1	193.4	187.7	182.1	175.8	169.2	161.9	154.0	146.2	138.3	129.8
-75°	157.3	152.8	148.1	143.5	138.6	133.1	127.7	122.1	116.2	109.9	102.9
-77.5°	117.3	114.3	111.1	107.8	104.2	100.2	96.0	91.7	87.5	82.9	77.8
-80°	82.2	80.7	78.9	76.7	74.3	71.6	68.5	65.2	61.6	57.9	54.5
-82.5°	54.7	53.5	52.0	50.3	48.4	46.2	43.9	41.7	39.3	36.8	34.3
-85°	30.2	29.5	28.6	27.5	26.3	25.2	24.1	23.1	22.1	21.1	20.0
-87.5°	9.7	9.5	9.3	9.6	9.8	10.0	10.1	9.8	9.4	9.1	8.7
-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: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-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°	8.3	7.9	7.5	7.1	6.6	6.1	5.7	5.2	4.7	4.2	3.7
85°	19.0	17.9	16.7	15.3	13.8	12.3	11.3	10.4	9.4	8.4	7.4
82.5°	32.0	30.4	28.9	27.1	24.8	22.5	20.2	17.8	15.4	12.8	11.1
80°	51.0	47.5	44.1	40.5	36.6	32.7	29.6	26.4	23.4	20.2	16.7
77.5°	72.1	66.3	60.5	55.6	50.4	45.3	40.3	35.5	31.4	27.5	23.3
75°	95.0	87.6	80.4	73.0	65.3	57.8	51.6	45.6	40.1	34.8	29.8
72.5°	120.7	111.2	101.3	91.1	82.0	72.9	63.9	55.7	49.0	42.6	36.4
70°	146.5	135.5	124.2	112.4	100.0	87.9	77.5	67.6	57.9	50.3	43.0
67.5°	172.4	160.4	147.6	133.7	119.8	105.8	91.5	79.9	68.9	57.9	49.4
65°	202.1	186.6	171.2	156.0	140.1	123.9	108.1	92.9	79.9	67.6	55.8
62.5°	232.1	214.0	196.4	178.4	160.9	142.9	124.5	108.0	91.2	77.1	63.5
60°	262.9	242.8	221.7	201.5	181.7	162.1	142.1	122.8	104.5	86.5	71.7
57.5°	295.6	271.7	248.5	225.0	202.5	181.0	159.3	137.9	117.6	97.6	79.8
55°	328.7	302.0	275.4	249.5	223.7	199.5	176.2	152.9	130.4	108.9	87.7
52.5°	363.6	332.6	302.7	274.0	246.0	218.2	193.0	167.2	143.2	120.0	97.1
50°	393.8	364.1	330.3	298.6	267.8	238.4	209.6	182.3	155.4	130.6	106.3
47.5°	418.6	390.6	358.3	322.8	289.7	258.1	227.2	197.2	167.1	140.9	115.2
45°	429.2	413.5	382.9	347.4	311.1	277.7	244.6	211.7	180.1	150.8	123.6
42.5°	435.3	425.4	403.8	370.7	333.3	296.7	261.3	226.7	192.9	160.3	131.8
40°	429.4	431.1	420.1	390.3	355.1	315.1	277.9	241.3	205.2	170.0	139.8
37.5°	422.4	429.8	425.4	409.3	375.2	334.3	293.8	255.1	217.1	180.4	147.4
35°	418.2	423.4	431.0	420.3	391.7	352.8	308.9	268.4	228.7	190.2	154.7
32.5°	414.5	418.4	426.8	425.1	407.2	370.4	324.2	281.1	239.6	199.3	161.5
30°	417.8	415.5	422.0	429.5	418.6	383.9	339.2	293.0	249.8	207.8	168.2
27.5°	422.6	412.4	417.8	427.4	422.3	396.2	352.7	304.1	259.2	215.9	175.1
25°	428.3	414.4	415.0	423.5	425.5	407.3	365.2	314.3	268.2	223.6	181.4
22.5°	437.1	417.7	412.2	419.9	428.5	417.5	375.3	324.5	276.4	230.5	187.1
20°	445.0	420.4	409.5	416.4	428.0	420.0	383.7	333.6	283.9	236.8	192.2
17.5°	453.2	424.7	411.1	414.1	425.1	422.2	391.2	341.6	290.4	242.4	196.7
15°	466.6	430.5	413.1	412.1	422.3	424.2	397.9	348.5	296.2	247.2	200.7
12.5°	477.9	435.3	414.6	410.5	419.7	425.9	403.6	354.3	301.0	251.2	204.0
10°	487.2	439.2	415.6	409.1	417.3	427.2	408.5	359.4	305.4	254.4	206.8
7.5°	494.2	442.0	416.1	408.0	415.3	428.3	412.9	364.7	309.0	256.7	209.0
5°	499.3	445.1	417.6	407.5	414.2	429.1	416.2	369.0	311.8	258.3	210.6
2.5°	503.7	449.2	419.7	407.2	413.5	429.6	418.4	372.2	313.7	259.1	211.5
0°	505.8	452.3	421.5	407.1	413.3	429.7	419.4	374.2	314.6	259.1	211.8
-2.5°	503.7	449.2	419.7	407.2	413.5	429.6	418.4	372.2	313.7	259.1	211.5
-5°	499.3	445.1	417.6	407.5	414.2	429.1	416.2	369.0	311.8	258.3	210.6
-7.5°	494.2	442.0	416.1	408.0	415.3	428.3	412.9	364.7	309.0	256.7	209.0
-10°	487.2	439.2	415.6	409.1	417.3	427.2	408.5	359.4	305.4	254.4	206.8
-12.5°	477.9	435.3	414.6	410.5	419.7	425.9	403.6	354.3	301.0	251.2	204.0
-15°	466.6	430.5	413.1	412.1	422.3	424.2	397.9	348.5	296.2	247.2	200.7
-17.5°	453.2	424.7	411.1	414.1	425.1	422.2	391.2	341.6	290.4	242.4	196.7
-20°	445.0	420.4	409.5	416.4	428.0	420.0	383.7	333.6	283.9	236.8	192.2



REPORT NUMBER: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	437.1	417.7	412.2	419.9	428.5	417.5	375.3	324.5	276.4	230.5	187.1
-25°	428.3	414.4	415.0	423.5	425.5	407.3	365.2	314.3	268.2	223.6	181.4
-27.5°	422.6	412.4	417.8	427.4	422.3	396.2	352.7	304.1	259.2	215.9	175.1
-30°	417.8	415.5	422.0	429.5	418.6	383.9	339.2	293.0	249.8	207.8	168.2
-32.5°	414.5	418.4	426.8	425.1	407.2	370.4	324.2	281.1	239.6	199.3	161.5
-35°	418.2	423.4	431.0	420.3	391.7	352.8	308.9	268.4	228.7	190.2	154.7
-37.5°	422.4	429.8	425.4	409.3	375.2	334.3	293.8	255.1	217.1	180.4	147.4
-40°	429.4	431.1	420.1	390.3	355.1	315.1	277.9	241.3	205.2	170.0	139.8
-42.5°	435.3	425.4	403.8	370.7	333.3	296.7	261.3	226.7	192.9	160.3	131.8
-45°	429.2	413.5	382.9	347.4	311.1	277.7	244.6	211.7	180.1	150.8	123.6
-47.5°	418.6	390.6	358.3	322.8	289.7	258.1	227.2	197.2	167.1	140.9	115.2
-50°	393.8	364.1	330.3	298.6	267.8	238.4	209.6	182.3	155.4	130.6	106.3
-52.5°	363.6	332.6	302.7	274.0	246.0	218.2	193.0	167.2	143.2	120.0	97.1
-55°	328.7	302.0	275.4	249.5	223.7	199.5	176.2	152.9	130.4	108.9	87.7
-57.5°	295.6	271.7	248.5	225.0	202.5	181.0	159.3	137.9	117.6	97.6	79.8
-60°	262.9	242.8	221.7	201.5	181.7	162.1	142.1	122.8	104.5	86.5	71.7
-62.5°	232.1	214.0	196.4	178.4	160.9	142.9	124.5	108.0	91.2	77.1	63.5
-65°	202.1	186.6	171.2	156.0	140.1	123.9	108.1	92.9	79.9	67.6	55.8
-67.5°	172.4	160.4	147.6	133.7	119.8	105.8	91.5	79.9	68.9	57.9	49.4
-70°	146.5	135.5	124.2	112.4	100.0	87.9	77.5	67.6	57.9	50.3	43.0
-72.5°	120.7	111.2	101.3	91.1	82.0	72.9	63.9	55.7	49.0	42.6	36.4
-75°	95.0	87.6	80.4	73.0	65.3	57.8	51.6	45.6	40.1	34.8	29.8
-77.5°	72.1	66.3	60.5	55.6	50.4	45.3	40.3	35.5	31.4	27.5	23.3
-80°	51.0	47.5	44.1	40.5	36.6	32.7	29.6	26.4	23.4	20.2	16.7
-82.5°	32.0	30.4	28.9	27.1	24.8	22.5	20.2	17.8	15.4	12.8	11.1
-85°	19.0	17.9	16.7	15.3	13.8	12.3	11.3	10.4	9.4	8.4	7.4
-87.5°	8.3	7.9	7.5	7.1	6.6	6.1	5.7	5.2	4.7	4.2	3.7
-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: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-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°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
85°	6.4	5.3	4.3	3.2	2.1	1.1	0.0
82.5°	9.5	8.0	6.4	4.8	3.2	1.6	0.0
80°	13.0	10.6	8.5	6.4	4.3	2.1	0.0
77.5°	18.7	13.9	10.6	8.0	5.3	2.7	0.0
75°	24.4	18.6	13.0	9.5	6.4	3.2	0.0
72.5°	30.0	23.2	16.6	11.1	7.4	3.7	0.0
70°	35.5	27.7	20.1	12.8	8.4	4.2	0.0
67.5°	41.1	32.1	23.6	15.4	9.4	4.7	0.0
65°	46.6	36.6	27.0	17.9	10.4	5.2	0.0
62.5°	52.0	41.3	30.3	20.3	11.3	5.7	0.0
60°	57.4	45.9	33.5	22.7	12.3	6.1	0.0
57.5°	64.1	50.5	37.2	25.0	13.8	6.6	0.0
55°	70.9	54.9	40.8	27.3	15.4	7.1	0.0
52.5°	77.5	59.5	44.4	29.4	16.9	7.5	0.0
50°	83.9	64.8	47.9	31.5	18.3	7.9	0.0
47.5°	90.3	70.0	51.3	33.6	19.7	8.3	0.0
45°	97.4	74.9	54.6	36.1	21.1	8.7	0.0
42.5°	104.2	79.7	57.7	38.5	22.4	9.1	0.0
40°	110.7	84.2	61.1	40.8	23.6	9.4	0.0
37.5°	116.7	88.5	64.5	43.0	24.9	9.8	0.0
35°	122.4	93.1	67.8	45.1	26.0	10.1	0.0
32.5°	127.8	97.5	70.9	47.0	27.1	10.4	0.0
30°	133.3	101.6	73.8	48.7	28.1	10.7	0.0
27.5°	138.4	105.4	76.3	50.3	29.1	10.9	0.0
25°	143.1	108.8	78.5	51.8	30.0	11.1	0.0
22.5°	147.4	111.9	80.5	53.0	30.9	11.4	0.0
20°	151.3	114.5	82.3	54.1	31.6	11.6	0.0
17.5°	154.8	116.7	83.9	55.1	32.3	11.7	0.0
15°	157.8	118.7	85.3	55.9	32.9	11.9	0.0
12.5°	160.4	120.3	86.4	56.5	33.5	12.0	0.0
10°	162.6	121.6	87.2	57.0	34.0	12.1	0.0
7.5°	164.3	122.5	87.9	57.4	34.3	12.2	0.0
5°	165.5	123.2	88.3	57.6	34.6	12.3	0.0
2.5°	166.2	123.5	88.5	57.7	34.9	12.3	0.0
0°	166.5	123.4	88.4	57.6	35.0	12.3	0.0
-2.5°	166.2	123.5	88.5	57.7	34.9	12.3	0.0
-5°	165.5	123.2	88.3	57.6	34.6	12.3	0.0
-7.5°	164.3	122.5	87.9	57.4	34.3	12.2	0.0
-10°	162.6	121.6	87.2	57.0	34.0	12.1	0.0
-12.5°	160.4	120.3	86.4	56.5	33.5	12.0	0.0
-15°	157.8	118.7	85.3	55.9	32.9	11.9	0.0
-17.5°	154.8	116.7	83.9	55.1	32.3	11.7	0.0
-20°	151.3	114.5	82.3	54.1	31.6	11.6	0.0



REPORT NUMBER: P558980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-MR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	147.4	111.9	80.5	53.0	30.9	11.4	0.0
-25°	143.1	108.8	78.5	51.8	30.0	11.1	0.0
-27.5°	138.4	105.4	76.3	50.3	29.1	10.9	0.0
-30°	133.3	101.6	73.8	48.7	28.1	10.7	0.0
-32.5°	127.8	97.5	70.9	47.0	27.1	10.4	0.0
-35°	122.4	93.1	67.8	45.1	26.0	10.1	0.0
-37.5°	116.7	88.5	64.5	43.0	24.9	9.8	0.0
-40°	110.7	84.2	61.1	40.8	23.6	9.4	0.0
-42.5°	104.2	79.7	57.7	38.5	22.4	9.1	0.0
-45°	97.4	74.9	54.6	36.1	21.1	8.7	0.0
-47.5°	90.3	70.0	51.3	33.6	19.7	8.3	0.0
-50°	83.9	64.8	47.9	31.5	18.3	7.9	0.0
-52.5°	77.5	59.5	44.4	29.4	16.9	7.5	0.0
-55°	70.9	54.9	40.8	27.3	15.4	7.1	0.0
-57.5°	64.1	50.5	37.2	25.0	13.8	6.6	0.0
-60°	57.4	45.9	33.5	22.7	12.3	6.1	0.0
-62.5°	52.0	41.3	30.3	20.3	11.3	5.7	0.0
-65°	46.6	36.6	27.0	17.9	10.4	5.2	0.0
-67.5°	41.1	32.1	23.6	15.4	9.4	4.7	0.0
-70°	35.5	27.7	20.1	12.8	8.4	4.2	0.0
-72.5°	30.0	23.2	16.6	11.1	7.4	3.7	0.0
-75°	24.4	18.6	13.0	9.5	6.4	3.2	0.0
-77.5°	18.7	13.9	10.6	8.0	5.3	2.7	0.0
-80°	13.0	10.6	8.5	6.4	4.3	2.1	0.0
-82.5°	9.5	8.0	6.4	4.8	3.2	1.6	0.0
-85°	6.4	5.3	4.3	3.2	2.1	1.1	0.0
-87.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)