

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: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-940-U-WR-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA4D-940-U-WR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

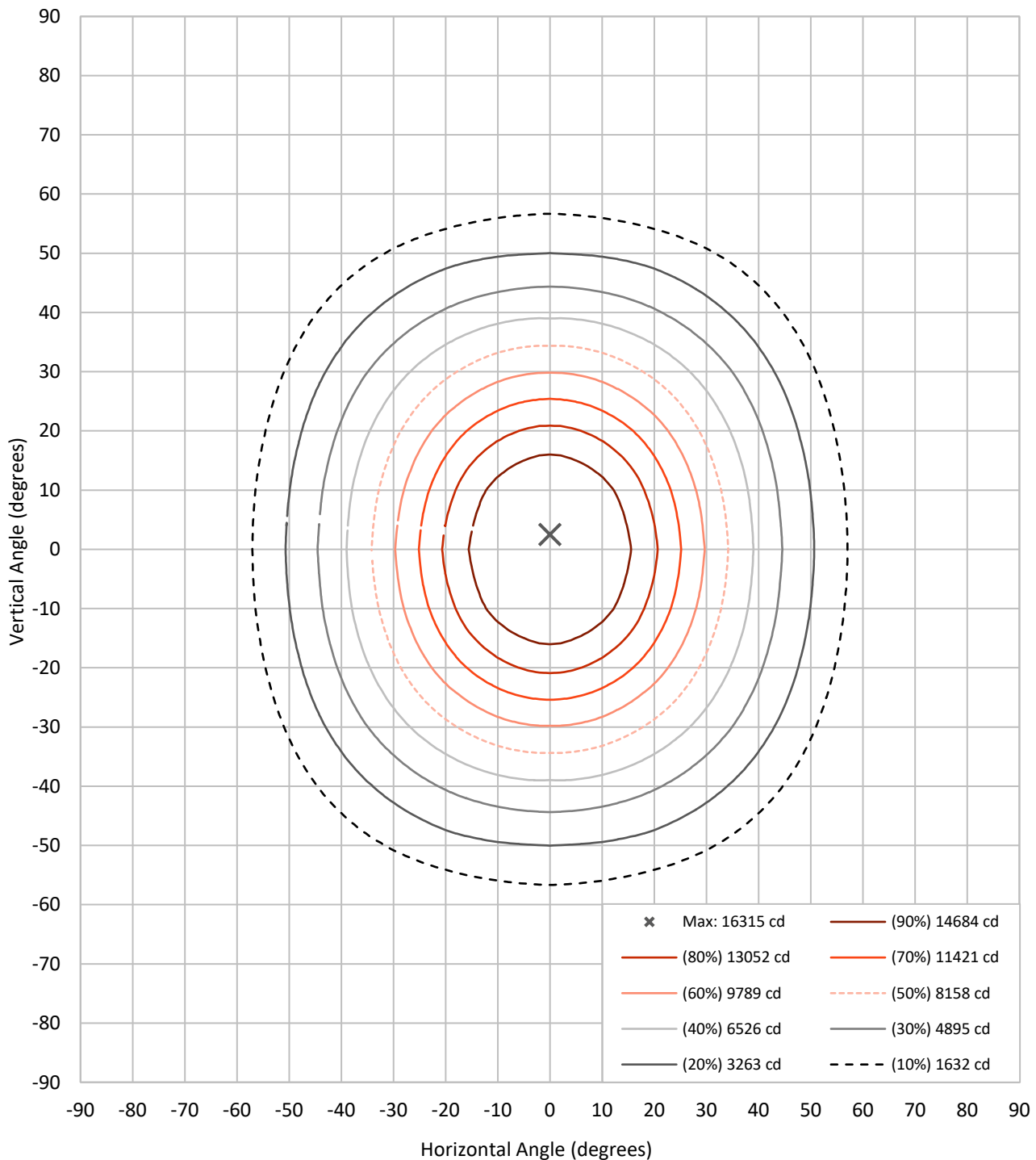
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	22080.9 lumens	Max Intensity:	16315 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	101.8 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	68°H x 68.7°V	Field Angle (10%):	114°H x 113.4°V
Beam Lumens:	13239.1 lumens	Field Lumens:	21093.2 lumens
Beam Efficiency:	60.0%	Field Efficiency:	95.5%

Input Watts (W): 217
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-SA4D-940-U-WR-XX

Iso-Candela Plot





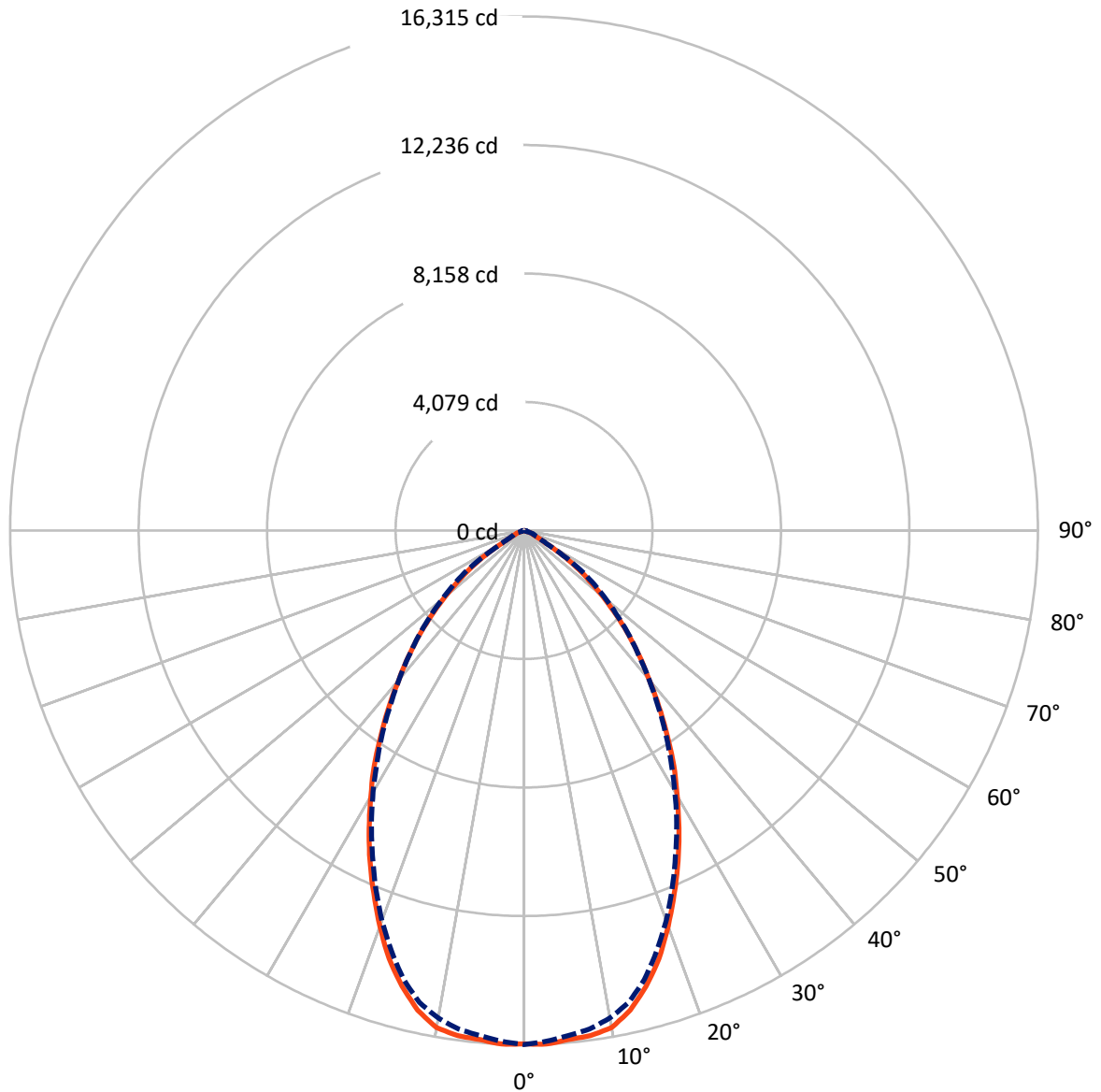
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Lumen Table

90																			
80	0.2	2.1		5.3		9.2		6.5		9.2		5.3		2.1	0.2				
70																			
60	1.0	1.5	2.9	4.7	6.8	8.9	11.0	12.3	12.3	11.0	8.9	6.8	4.7	2.9	1.5	1.0			
50		2.4	4.9	8.9	17.1	33.2	49.8	59.6	59.6	49.8	33.2	17.1	8.9	4.9	2.4				
40	1.7	3.2	7.3	21.1	55.7	92.6	123.1	140.4	140.4	123.1	92.6	55.7	21.1	7.3	3.2	1.7			
30		3.9	12.4	48.8	99.9	156.0	206.7	237.1	237.1	206.7	156.0	99.9	48.8	12.4	3.9				
20	1.9	4.7	22.6	73.7	141.8	221.9	296.6	343.5	343.5	296.6	221.9	141.8	73.7	22.6	4.7	1.9			
10		5.6	32.3	91.8	174.7	277.2	377.6	441.1	441.1	377.6	277.2	174.7	91.8	32.3	5.6				
0	2.0	6.1	37.6	101.4	193.3	309.8	424.1	484.8	484.8	424.1	309.8	193.3	101.4	37.6	6.1	2.0			
-10		6.1	37.6	101.4	193.3	309.8	424.1	484.8	484.8	424.1	309.8	193.3	101.4	37.6	6.1				
-20	1.9	5.6	32.3	91.8	174.7	277.2	377.6	441.1	441.1	377.6	277.2	174.7	91.8	32.3	5.6	1.9			
-30		4.7	22.6	73.7	141.8	221.9	296.6	343.5	343.5	296.6	221.9	141.8	73.7	22.6	4.7				
-40	1.7	3.9	12.4	48.8	99.9	156.0	206.7	237.1	237.1	206.7	156.0	99.9	48.8	12.4	3.9	1.7			
-50		3.2	7.3	21.1	55.7	92.6	123.1	140.4	140.4	123.1	92.6	55.7	21.1	7.3	3.2				
-60	1.0	2.4	4.9	8.9	17.1	33.2	49.8	59.6	59.6	49.8	33.2	17.1	8.9	4.9	2.4	1.0			
-70		1.5	2.9	4.7	6.8	8.9	11.0	12.3	12.3	11.0	8.9	6.8	4.7	2.9	1.5				
-80																			
-90	0.2	2.1		5.3		9.2		6.5		9.2		5.3		2.1	0.2				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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CATALOG NUMBER: GFLD-SA4D-940-U-WR-XX

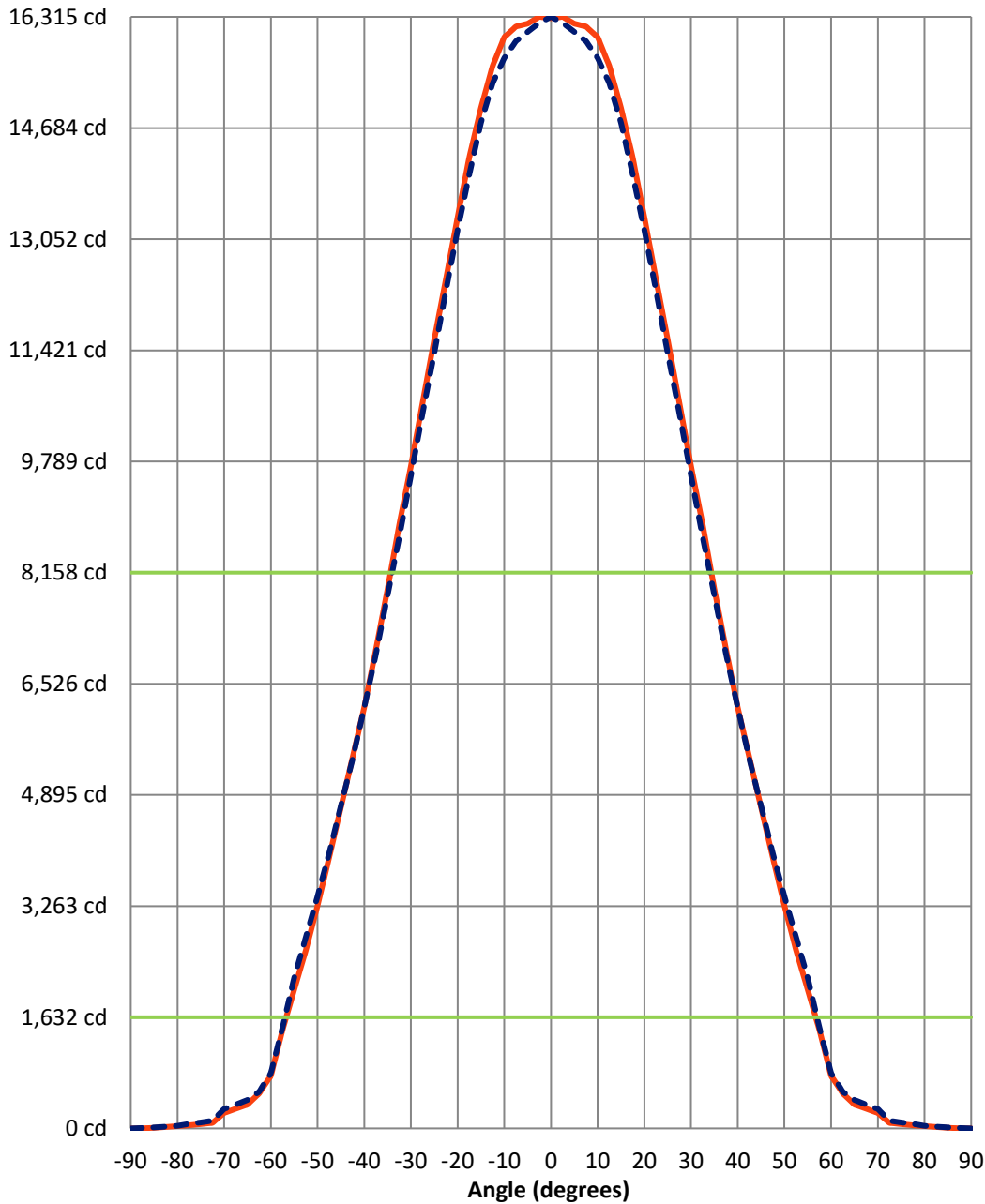
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 2.5-Deg

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Luminous Intensity Plot



Beam:
H Angle: 68°
V Angle: 68.7°
Lumens: 13239.1
Efficiency: 60.0%

Field:
H Angle: 114°
V Angle: 113.4°
Lumens: 21093.2
Efficiency: 95.5%

Spill:
Lumens: 987.7
Efficiency: 4.5%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 2.5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.4	2.7
85°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.3	4.8	5.3
82.5°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.7	6.8	9.3	11.9
80°	0.0	1.1	2.2	3.3	4.4	5.4	6.9	10.1	13.5	17.0	20.6
77.5°	0.0	1.4	2.7	4.1	5.4	7.5	11.6	15.8	20.2	24.6	30.7
75°	0.0	1.6	3.3	4.9	6.7	10.8	16.2	21.5	27.2	36.4	45.4
72.5°	0.0	1.9	3.8	5.7	8.9	14.0	20.6	28.2	38.9	49.5	59.9
70°	0.0	2.2	4.3	6.5	11.0	17.1	25.3	38.4	50.5	62.5	79.7
67.5°	0.0	2.4	4.8	7.8	13.0	20.1	33.0	48.4	61.9	79.9	100.2
65°	0.0	2.7	5.3	9.0	15.0	24.0	40.3	58.2	76.0	96.7	119.6
62.5°	0.0	2.9	5.8	10.2	16.8	28.7	47.0	68.8	89.4	113.1	138.2
60°	0.0	3.1	6.3	11.3	18.5	33.1	53.1	79.4	102.2	130.8	156.9
57.5°	0.0	3.4	6.9	12.3	21.0	37.0	59.3	88.9	117.8	148.5	172.5
55°	0.0	3.6	7.5	13.2	23.4	40.5	64.8	96.3	134.1	165.2	186.6
52.5°	0.0	3.8	8.1	14.0	25.5	43.6	69.6	107.2	150.3	178.2	200.7
50°	0.0	4.0	8.7	14.8	27.3	46.5	73.5	117.4	165.1	191.1	215.6
47.5°	0.0	4.3	9.2	15.6	28.7	48.8	77.2	126.3	176.6	204.0	229.7
45°	0.0	4.5	9.8	16.4	29.9	50.6	83.5	133.8	181.6	215.6	242.8
42.5°	0.0	4.6	10.3	17.0	30.7	51.8	88.7	137.9	184.9	226.5	257.2
40°	0.0	4.8	10.8	17.8	31.3	52.3	92.8	139.5	186.8	235.6	271.6
37.5°	0.0	5.0	11.2	18.7	31.5	52.3	95.9	140.0	188.8	239.5	285.4
35°	0.0	5.2	11.7	19.5	31.4	53.5	98.0	139.3	190.8	248.3	299.2
32.5°	0.0	5.3	12.1	20.2	31.0	55.0	98.4	137.4	192.7	259.4	312.9
30°	0.0	5.5	12.4	21.0	30.2	55.7	96.6	135.4	194.6	272.8	325.9
27.5°	0.0	5.6	12.8	21.6	31.0	55.7	93.9	135.8	199.4	288.0	338.1
25°	0.0	5.7	13.1	22.2	31.9	55.0	90.5	135.8	209.7	300.1	349.7
22.5°	0.0	5.8	13.4	22.8	32.8	55.0	86.4	135.5	220.6	309.3	364.4
20°	0.0	5.9	13.7	23.3	33.6	57.6	81.6	134.8	231.8	317.7	377.5
17.5°	0.0	6.0	13.9	23.7	34.4	59.8	80.8	133.5	243.1	325.2	389.0
15°	0.0	6.1	14.1	24.1	35.1	61.8	82.4	132.8	254.2	331.9	398.8
12.5°	0.0	6.2	14.3	24.4	35.8	63.4	83.9	132.0	263.9	337.5	406.9
10°	0.0	6.2	14.4	24.7	36.3	64.8	85.1	129.3	272.0	341.9	413.0
7.5°	0.0	6.2	14.6	24.9	36.8	65.8	86.2	125.2	278.4	345.4	416.6
5°	0.0	6.3	14.6	25.1	37.2	66.5	87.1	119.9	283.0	348.1	418.4
2.5°	0.0	6.3	14.7	25.2	37.6	67.0	87.7	113.8	285.4	349.7	418.7
0°	0.0	6.3	14.7	25.2	37.8	67.1	88.1	107.0	285.2	350.3	417.4
-2.5°	0.0	6.3	14.7	25.2	37.6	67.0	87.7	113.8	285.4	349.7	418.7
-5°	0.0	6.3	14.6	25.1	37.2	66.5	87.1	119.9	283.0	348.1	418.4
-7.5°	0.0	6.2	14.6	24.9	36.8	65.8	86.2	125.2	278.4	345.4	416.6
-10°	0.0	6.2	14.4	24.7	36.3	64.8	85.1	129.3	272.0	341.9	413.0
-12.5°	0.0	6.2	14.3	24.4	35.8	63.4	83.9	132.0	263.9	337.5	406.9
-15°	0.0	6.1	14.1	24.1	35.1	61.8	82.4	132.8	254.2	331.9	398.8
-17.5°	0.0	6.0	13.9	23.7	34.4	59.8	80.8	133.5	243.1	325.2	389.0
-20°	0.0	5.9	13.7	23.3	33.6	57.6	81.6	134.8	231.8	317.7	377.5



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 CATALOG NUMBER: GFLD-SA4D-940-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.8	13.4	22.8	32.8	55.0	86.4	135.5	220.6	309.3	364.4
-25°	0.0	5.7	13.1	22.2	31.9	55.0	90.5	135.8	209.7	300.1	349.7
-27.5°	0.0	5.6	12.8	21.6	31.0	55.7	93.9	135.8	199.4	288.0	338.1
-30°	0.0	5.5	12.4	21.0	30.2	55.7	96.6	135.4	194.6	272.8	325.9
-32.5°	0.0	5.3	12.1	20.2	31.0	55.0	98.4	137.4	192.7	259.4	312.9
-35°	0.0	5.2	11.7	19.5	31.4	53.5	98.0	139.3	190.8	248.3	299.2
-37.5°	0.0	5.0	11.2	18.7	31.5	52.3	95.9	140.0	188.8	239.5	285.4
-40°	0.0	4.8	10.8	17.8	31.3	52.3	92.8	139.5	186.8	235.6	271.6
-42.5°	0.0	4.6	10.3	17.0	30.7	51.8	88.7	137.9	184.9	226.5	257.2
-45°	0.0	4.5	9.8	16.4	29.9	50.6	83.5	133.8	181.6	215.6	242.8
-47.5°	0.0	4.3	9.2	15.6	28.7	48.8	77.2	126.3	176.6	204.0	229.7
-50°	0.0	4.0	8.7	14.8	27.3	46.5	73.5	117.4	165.1	191.1	215.6
-52.5°	0.0	3.8	8.1	14.0	25.5	43.6	69.6	107.2	150.3	178.2	200.7
-55°	0.0	3.6	7.5	13.2	23.4	40.5	64.8	96.3	134.1	165.2	186.6
-57.5°	0.0	3.4	6.9	12.3	21.0	37.0	59.3	88.9	117.8	148.5	172.5
-60°	0.0	3.1	6.3	11.3	18.5	33.1	53.1	79.4	102.2	130.8	156.9
-62.5°	0.0	2.9	5.8	10.2	16.8	28.7	47.0	68.8	89.4	113.1	138.2
-65°	0.0	2.7	5.3	9.0	15.0	24.0	40.3	58.2	76.0	96.7	119.6
-67.5°	0.0	2.4	4.8	7.8	13.0	20.1	33.0	48.4	61.9	79.9	100.2
-70°	0.0	2.2	4.3	6.5	11.0	17.1	25.3	38.4	50.5	62.5	79.7
-72.5°	0.0	1.9	3.8	5.7	8.9	14.0	20.6	28.2	38.9	49.5	59.9
-75°	0.0	1.6	3.3	4.9	6.7	10.8	16.2	21.5	27.2	36.4	45.4
-77.5°	0.0	1.4	2.7	4.1	5.4	7.5	11.6	15.8	20.2	24.6	30.7
-80°	0.0	1.1	2.2	3.3	4.4	5.4	6.9	10.1	13.5	17.0	20.6
-82.5°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.7	6.8	9.3	11.9
-85°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.3	4.8	5.3
-87.5°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.4	2.7
-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-SA4D-940-U-WR-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°	2.7	2.6	2.5	2.4	2.6	2.7	2.8	3.0	2.7	2.4	2.1
85°	5.3	5.3	5.9	6.4	7.1	7.5	7.7	7.7	8.6	9.8	11.2
82.5°	13.3	14.2	14.8	14.9	15.1	15.0	14.9	14.8	18.2	22.6	27.5
80°	22.3	23.3	26.8	30.6	32.6	32.5	30.8	27.5	32.6	40.7	50.5
77.5°	36.4	41.8	47.4	53.1	54.2	51.5	47.0	40.8	48.0	62.5	78.9
75°	52.9	60.2	68.4	74.6	74.7	70.2	64.3	63.1	75.3	92.8	107.3
72.5°	72.3	83.0	91.0	96.3	95.8	95.1	97.4	102.6	112.6	125.4	136.5
70°	95.8	106.4	112.4	115.1	116.1	122.0	130.6	137.2	144.3	156.9	168.6
67.5°	119.0	127.2	132.4	136.0	145.8	156.9	165.6	173.6	182.4	195.3	205.9
65°	139.7	148.1	155.4	166.3	180.7	191.2	201.5	212.2	227.5	242.0	250.7
62.5°	160.0	168.9	180.1	194.9	210.4	223.8	240.7	259.7	279.6	294.4	311.4
60°	175.7	188.4	204.2	221.8	240.2	262.2	283.8	306.1	326.5	346.4	371.4
57.5°	190.7	208.9	228.6	249.3	273.7	301.1	327.5	351.6	377.3	404.9	433.1
55°	207.0	230.9	252.8	277.4	307.2	342.0	371.4	399.9	430.6	477.2	517.8
52.5°	225.0	251.4	276.1	306.2	343.3	380.4	413.8	453.8	505.1	574.3	686.4
50°	241.9	270.3	299.2	338.1	378.2	417.3	465.7	521.3	624.1	753.0	978.7
47.5°	258.8	288.8	327.1	369.1	412.8	464.4	525.7	647.3	787.5	1108.5	1428.3
45°	275.4	311.1	353.4	401.2	453.2	518.0	645.3	795.3	1176.6	1545.9	1930.5
42.5°	291.7	333.5	381.9	432.7	500.7	618.0	782.0	1178.2	1591.0	2015.1	2384.3
40°	310.3	354.4	410.4	474.9	564.8	742.9	1110.9	1556.9	2022.3	2422.9	2782.1
37.5°	327.7	379.9	440.8	515.9	677.4	974.7	1448.7	1943.5	2394.1	2785.6	3169.3
35°	343.7	404.7	477.2	589.8	787.7	1277.6	1791.6	2294.8	2725.4	3143.4	3563.1
32.5°	362.5	428.6	512.1	687.7	1040.8	1570.2	2117.0	2596.5	3047.5	3493.2	3972.6
30°	383.2	458.2	560.8	781.2	1291.4	1854.3	2396.2	2885.9	3353.5	3848.5	4362.0
27.5°	402.8	486.8	641.5	962.3	1527.1	2119.7	2650.1	3154.1	3656.1	4183.2	4736.0
25°	420.5	513.9	717.2	1160.9	1754.6	2346.1	2883.7	3396.7	3938.7	4511.6	5093.3
22.5°	439.7	540.4	785.4	1341.8	1962.7	2547.6	3090.1	3633.9	4207.6	4814.8	5421.6
20°	460.3	596.9	897.7	1508.9	2151.9	2730.8	3275.3	3854.4	4459.3	5088.1	5729.0
17.5°	479.1	646.9	1031.8	1667.3	2310.9	2890.0	3441.9	4054.1	4678.1	5335.5	6010.6
15°	496.1	690.2	1149.9	1807.4	2445.8	3025.2	3604.5	4231.3	4872.5	5557.3	6258.5
12.5°	510.9	726.8	1251.5	1928.6	2559.7	3140.9	3741.1	4380.7	5045.9	5751.2	6481.9
10°	523.6	756.6	1336.0	2029.9	2652.3	3236.3	3850.8	4505.1	5183.8	5907.3	6662.0
7.5°	531.7	781.2	1402.8	2110.9	2723.8	3311.0	3933.5	4603.1	5284.8	6029.2	6798.3
5°	536.8	801.2	1451.1	2170.7	2775.8	3367.3	3993.1	4673.5	5349.5	6114.8	6890.0
2.5°	539.3	815.0	1480.5	2209.0	2808.5	3406.9	4042.4	4735.2	5417.7	6175.7	6960.9
0°	539.0	822.1	1491.2	2225.3	2820.9	3424.9	4066.7	4767.2	5461.4	6201.8	7009.2
-2.5°	539.3	815.0	1480.5	2209.0	2808.5	3406.9	4042.4	4735.2	5417.7	6175.7	6960.9
-5°	536.8	801.2	1451.1	2170.7	2775.8	3367.3	3993.1	4673.5	5349.5	6114.8	6890.0
-7.5°	531.7	781.2	1402.8	2110.9	2723.8	3311.0	3933.5	4603.1	5284.8	6029.2	6798.3
-10°	523.6	756.6	1336.0	2029.9	2652.3	3236.3	3850.8	4505.1	5183.8	5907.3	6662.0
-12.5°	510.9	726.8	1251.5	1928.6	2559.7	3140.9	3741.1	4380.7	5045.9	5751.2	6481.9
-15°	496.1	690.2	1149.9	1807.4	2445.8	3025.2	3604.5	4231.3	4872.5	5557.3	6258.5
-17.5°	479.1	646.9	1031.8	1667.3	2310.9	2890.0	3441.9	4054.1	4678.1	5335.5	6010.6
-20°	460.3	596.9	897.7	1508.9	2151.9	2730.8	3275.3	3854.4	4459.3	5088.1	5729.0



REPORT NUMBER: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-940-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	439.7	540.4	785.4	1341.8	1962.7	2547.6	3090.1	3633.9	4207.6	4814.8	5421.6
-25°	420.5	513.9	717.2	1160.9	1754.6	2346.1	2883.7	3396.7	3938.7	4511.6	5093.3
-27.5°	402.8	486.8	641.5	962.3	1527.1	2119.7	2650.1	3154.1	3656.1	4183.2	4736.0
-30°	383.2	458.2	560.8	781.2	1291.4	1854.3	2396.2	2885.9	3353.5	3848.5	4362.0
-32.5°	362.5	428.6	512.1	687.7	1040.8	1570.2	2117.0	2596.5	3047.5	3493.2	3972.6
-35°	343.7	404.7	477.2	589.8	787.7	1277.6	1791.6	2294.8	2725.4	3143.4	3563.1
-37.5°	327.7	379.9	440.8	515.9	677.4	974.7	1448.7	1943.5	2394.1	2785.6	3169.3
-40°	310.3	354.4	410.4	474.9	564.8	742.9	1110.9	1556.9	2022.3	2422.9	2782.1
-42.5°	291.7	333.5	381.9	432.7	500.7	618.0	782.0	1178.2	1591.0	2015.1	2384.3
-45°	275.4	311.1	353.4	401.2	453.2	518.0	645.3	795.3	1176.6	1545.9	1930.5
-47.5°	258.8	288.8	327.1	369.1	412.8	464.4	525.7	647.3	787.5	1108.5	1428.3
-50°	241.9	270.3	299.2	338.1	378.2	417.3	465.7	521.3	624.1	753.0	978.7
-52.5°	225.0	251.4	276.1	306.2	343.3	380.4	413.8	453.8	505.1	574.3	686.4
-55°	207.0	230.9	252.8	277.4	307.2	342.0	371.4	399.9	430.6	477.2	517.8
-57.5°	190.7	208.9	228.6	249.3	273.7	301.1	327.5	351.6	377.3	404.9	433.1
-60°	175.7	188.4	204.2	221.8	240.2	262.2	283.8	306.1	326.5	346.4	371.4
-62.5°	160.0	168.9	180.1	194.9	210.4	223.8	240.7	259.7	279.6	294.4	311.4
-65°	139.7	148.1	155.4	166.3	180.7	191.2	201.5	212.2	227.5	242.0	250.7
-67.5°	119.0	127.2	132.4	136.0	145.8	156.9	165.6	173.6	182.4	195.3	205.9
-70°	95.8	106.4	112.4	115.1	116.1	122.0	130.6	137.2	144.3	156.9	168.6
-72.5°	72.3	83.0	91.0	96.3	95.8	95.1	97.4	102.6	112.6	125.4	136.5
-75°	52.9	60.2	68.4	74.6	74.7	70.2	64.3	63.1	75.3	92.8	107.3
-77.5°	36.4	41.8	47.4	53.1	54.2	51.5	47.0	40.8	48.0	62.5	78.9
-80°	22.3	23.3	26.8	30.6	32.6	32.5	30.8	27.5	32.6	40.7	50.5
-82.5°	13.3	14.2	14.8	14.9	15.1	15.0	14.9	14.8	18.2	22.6	27.5
-85°	5.3	5.3	5.9	6.4	7.1	7.5	7.7	7.7	8.6	9.8	11.2
-87.5°	2.7	2.6	2.5	2.4	2.6	2.7	2.8	3.0	2.7	2.4	2.1
-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: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-940-U-WR-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°	1.7	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1
85°	12.8	12.6	12.1	11.5	10.7	11.0	11.3	11.6	11.9	11.1	10.3
82.5°	32.9	35.3	37.6	40.1	42.6	42.2	41.1	39.3	37.2	33.1	28.7
80°	61.6	67.4	71.2	74.4	76.8	74.4	70.8	66.7	62.1	55.1	47.6
77.5°	95.7	101.5	104.5	108.1	112.1	112.9	113.1	113.5	113.9	101.1	84.8
75°	118.8	126.5	132.8	138.4	143.3	145.8	147.4	149.0	150.4	133.4	111.0
72.5°	146.1	153.5	159.6	165.6	171.0	175.1	178.2	180.8	182.9	169.1	149.6
70°	177.9	185.3	192.3	198.5	204.7	210.2	215.2	219.8	224.0	224.8	225.8
67.5°	213.9	218.3	226.5	234.4	243.8	250.7	258.4	265.6	272.2	277.8	282.5
65°	258.4	274.3	290.3	298.1	298.8	308.8	324.4	333.1	335.7	337.7	342.6
62.5°	333.2	353.6	364.4	378.4	397.7	418.7	426.8	438.3	452.4	468.3	482.8
60°	392.5	409.9	435.9	462.2	485.7	507.1	558.7	604.6	644.0	677.8	710.5
57.5°	466.2	494.9	534.5	606.0	671.4	730.5	831.6	955.0	1065.0	1161.2	1245.8
55°	583.6	667.2	742.4	911.2	1091.6	1247.7	1393.8	1550.0	1677.2	1776.7	1868.7
52.5°	783.9	1013.7	1246.7	1465.9	1681.3	1877.5	2053.5	2192.0	2300.1	2381.2	2458.1
50°	1254.9	1531.9	1815.7	2077.1	2288.8	2482.2	2665.4	2802.8	2917.7	3016.7	3104.3
47.5°	1768.5	2092.7	2360.9	2602.1	2830.2	3044.7	3245.1	3412.4	3554.0	3684.6	3793.3
45°	2279.5	2569.6	2844.6	3103.2	3351.4	3591.9	3807.5	3997.7	4185.1	4339.9	4462.4
42.5°	2711.7	3018.7	3311.3	3607.2	3884.7	4154.4	4414.9	4646.2	4845.2	5014.5	5150.7
40°	3126.4	3457.5	3804.9	4133.4	4463.0	4770.8	5059.3	5323.5	5550.2	5750.5	5920.1
37.5°	3548.5	3935.1	4316.8	4691.2	5054.4	5389.2	5720.3	6025.0	6290.6	6525.0	6721.9
35°	3994.0	4420.1	4835.5	5257.3	5653.9	6041.3	6407.3	6742.7	7036.8	7313.0	7550.4
32.5°	4440.3	4902.0	5369.7	5826.2	6265.4	6699.3	7100.8	7478.9	7826.6	8132.3	8385.7
30°	4874.9	5383.1	5883.6	6380.9	6882.3	7355.0	7799.7	8214.9	8592.2	8925.2	9213.2
27.5°	5291.9	5838.2	6374.9	6943.8	7488.6	8002.9	8485.9	8932.3	9353.6	9732.3	10059.1
25°	5677.7	6258.1	6883.7	7480.3	8063.2	8633.6	9162.8	9647.8	10129.4	10546.0	10900.9
22.5°	6042.2	6689.9	7348.6	7974.2	8617.5	9244.6	9837.1	10399.1	10913.4	11350.0	11728.4
20°	6388.9	7085.8	7764.5	8457.3	9153.8	9830.4	10482.8	11083.4	11626.8	12102.6	12529.4
17.5°	6716.3	7437.5	8158.7	8898.4	9650.7	10362.0	11053.2	11706.6	12299.9	12827.7	13308.8
15°	6999.5	7744.7	8517.0	9303.2	10090.0	10846.3	11579.9	12291.7	12959.1	13533.7	14018.9
12.5°	7240.2	8016.5	8833.4	9658.3	10487.7	11280.5	12058.0	12819.7	13529.2	14146.9	14645.0
10°	7439.8	8253.2	9106.5	9965.7	10816.3	11640.1	12448.8	13236.9	13998.9	14639.1	15150.8
7.5°	7606.2	8450.7	9323.8	10208.9	11067.2	11922.7	12766.1	13562.2	14313.0	14988.0	15513.9
5°	7730.5	8589.2	9480.7	10387.8	11259.3	12145.3	13013.7	13828.4	14571.7	15183.5	15612.7
2.5°	7823.0	8675.4	9582.4	10495.7	11378.7	12296.6	13183.6	13999.1	14759.9	15338.9	15710.6
0°	7885.9	8722.8	9674.9	10570.5	11468.1	12409.8	13286.5	14110.8	14874.2	15440.5	15824.3
-2.5°	7823.0	8675.4	9582.4	10495.7	11378.7	12296.6	13183.6	13999.1	14759.9	15338.9	15710.6
-5°	7730.5	8589.2	9480.7	10387.8	11259.3	12145.3	13013.7	13828.4	14571.7	15183.5	15612.7
-7.5°	7606.2	8450.7	9323.8	10208.9	11067.2	11922.7	12766.1	13562.2	14313.0	14988.0	15513.9
-10°	7439.8	8253.2	9106.5	9965.7	10816.3	11640.1	12448.8	13236.9	13998.9	14639.1	15150.8
-12.5°	7240.2	8016.5	8833.4	9658.3	10487.7	11280.5	12058.0	12819.7	13529.2	14146.9	14645.0
-15°	6999.5	7744.7	8517.0	9303.2	10090.0	10846.3	11579.9	12291.7	12959.1	13533.7	14018.9
-17.5°	6716.3	7437.5	8158.7	8898.4	9650.7	10362.0	11053.2	11706.6	12299.9	12827.7	13308.8
-20°	6388.9	7085.8	7764.5	8457.3	9153.8	9830.4	10482.8	11083.4	11626.8	12102.6	12529.4



REPORT NUMBER: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-940-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6042.2	6689.9	7348.6	7974.2	8617.5	9244.6	9837.1	10399.1	10913.4	11350.0	11728.4
-25°	5677.7	6258.1	6883.7	7480.3	8063.2	8633.6	9162.8	9647.8	10129.4	10546.0	10900.9
-27.5°	5291.9	5838.2	6374.9	6943.8	7488.6	8002.9	8485.9	8932.3	9353.6	9732.3	10059.1
-30°	4874.9	5383.1	5883.6	6380.9	6882.3	7355.0	7799.7	8214.9	8592.2	8925.2	9213.2
-32.5°	4440.3	4902.0	5369.7	5826.2	6265.4	6699.3	7100.8	7478.9	7826.6	8132.3	8385.7
-35°	3994.0	4420.1	4835.5	5257.3	5653.9	6041.3	6407.3	6742.7	7036.8	7313.0	7550.4
-37.5°	3548.5	3935.1	4316.8	4691.2	5054.4	5389.2	5720.3	6025.0	6290.6	6525.0	6721.9
-40°	3126.4	3457.5	3804.9	4133.4	4463.0	4770.8	5059.3	5323.5	5550.2	5750.5	5920.1
-42.5°	2711.7	3018.7	3311.3	3607.2	3884.7	4154.4	4414.9	4646.2	4845.2	5014.5	5150.7
-45°	2279.5	2569.6	2844.6	3103.2	3351.4	3591.9	3807.5	3997.7	4185.1	4339.9	4462.4
-47.5°	1768.5	2092.7	2360.9	2602.1	2830.2	3044.7	3245.1	3412.4	3554.0	3684.6	3793.3
-50°	1254.9	1531.9	1815.7	2077.1	2288.8	2482.2	2665.4	2802.8	2917.7	3016.7	3104.3
-52.5°	783.9	1013.7	1246.7	1465.9	1681.3	1877.5	2053.5	2192.0	2300.1	2381.2	2458.1
-55°	583.6	667.2	742.4	911.2	1091.6	1247.7	1393.8	1550.0	1677.2	1776.7	1868.7
-57.5°	466.2	494.9	534.5	606.0	671.4	730.5	831.6	955.0	1065.0	1161.2	1245.8
-60°	392.5	409.9	435.9	462.2	485.7	507.1	558.7	604.6	644.0	677.8	710.5
-62.5°	333.2	353.6	364.4	378.4	397.7	418.7	426.8	438.3	452.4	468.3	482.8
-65°	258.4	274.3	290.3	298.1	298.8	308.8	324.4	333.1	335.7	337.7	342.6
-67.5°	213.9	218.3	226.5	234.4	243.8	250.7	258.4	265.6	272.2	277.8	282.5
-70°	177.9	185.3	192.3	198.5	204.7	210.2	215.2	219.8	224.0	224.8	225.8
-72.5°	146.1	153.5	159.6	165.6	171.0	175.1	178.2	180.8	182.9	169.1	149.6
-75°	118.8	126.5	132.8	138.4	143.3	145.8	147.4	149.0	150.4	133.4	111.0
-77.5°	95.7	101.5	104.5	108.1	112.1	112.9	113.1	113.5	113.9	101.1	84.8
-80°	61.6	67.4	71.2	74.4	76.8	74.4	70.8	66.7	62.1	55.1	47.6
-82.5°	32.9	35.3	37.6	40.1	42.6	42.2	41.1	39.3	37.2	33.1	28.7
-85°	12.8	12.6	12.1	11.5	10.7	11.0	11.3	11.6	11.9	11.1	10.3
-87.5°	1.7	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1
-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: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-940-U-WR-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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
85°	9.3	8.4	8.4	8.4	8.4	8.4	9.3	10.3	11.1	11.9	11.6
82.5°	23.9	18.9	19.9	21.0	19.9	18.9	23.9	28.7	33.1	37.2	39.3
80°	39.7	31.6	32.5	33.6	32.5	31.6	39.7	47.6	55.1	62.1	66.7
77.5°	67.2	48.8	47.1	46.1	47.1	48.8	67.2	84.8	101.1	113.9	113.5
75°	87.9	64.2	62.8	62.9	62.8	64.2	87.9	111.0	133.4	150.4	149.0
72.5°	129.9	109.8	95.9	81.8	95.9	109.8	129.9	149.6	169.1	182.9	180.8
70°	228.2	231.1	229.9	226.5	229.9	231.1	228.2	225.8	224.8	224.0	219.8
67.5°	286.4	289.4	290.0	289.4	290.0	289.4	286.4	282.5	277.8	272.2	265.6
65°	346.1	348.1	349.7	350.3	349.7	348.1	346.1	342.6	337.7	335.7	333.1
62.5°	493.6	500.8	508.5	513.8	508.5	500.8	493.6	482.8	468.3	452.4	438.3
60°	739.0	762.5	773.0	773.9	773.0	762.5	739.0	710.5	677.8	644.0	604.6
57.5°	1313.5	1364.1	1409.2	1443.0	1409.2	1364.1	1313.5	1245.8	1161.2	1065.0	955.0
55°	1942.0	1995.8	2026.2	2034.4	2026.2	1995.8	1942.0	1868.7	1776.7	1677.2	1550.0
52.5°	2516.4	2552.2	2586.2	2615.4	2586.2	2552.2	2516.4	2458.1	2381.2	2300.1	2192.0
50°	3170.4	3210.3	3243.9	3269.7	3243.9	3210.3	3170.4	3104.3	3016.7	2917.7	2802.8
47.5°	3869.6	3918.4	3954.4	3978.6	3954.4	3918.4	3869.6	3793.3	3684.6	3554.0	3412.4
45°	4567.2	4650.8	4701.7	4710.6	4701.7	4650.8	4567.2	4462.4	4339.9	4185.1	3997.7
42.5°	5268.4	5348.5	5402.6	5442.5	5402.6	5348.5	5268.4	5150.7	5014.5	4845.2	4646.2
40°	6061.4	6162.0	6208.1	6178.7	6208.1	6162.0	6061.4	5920.1	5750.5	5550.2	5323.5
37.5°	6873.7	6977.2	7030.6	7028.1	7030.6	6977.2	6873.7	6721.9	6525.0	6290.6	6025.0
35°	7735.0	7863.3	7932.7	7915.3	7932.7	7863.3	7735.0	7550.4	7313.0	7036.8	6742.7
32.5°	8588.2	8743.3	8843.6	8859.1	8843.6	8743.3	8588.2	8385.7	8132.3	7826.6	7478.9
30°	9444.0	9611.7	9711.3	9721.1	9711.3	9611.7	9444.0	9213.2	8925.2	8592.2	8214.9
27.5°	10333.4	10520.9	10625.3	10650.2	10625.3	10520.9	10333.4	10059.1	9732.3	9353.6	8932.3
25°	11203.5	11411.7	11531.3	11577.2	11531.3	11411.7	11203.5	10900.9	10546.0	10129.4	9647.8
22.5°	12042.5	12270.8	12426.7	12466.5	12426.7	12270.8	12042.5	11728.4	11350.0	10913.4	10399.1
20°	12884.0	13153.4	13352.8	13372.5	13352.8	13153.4	12884.0	12529.4	12102.6	11626.8	11083.4
17.5°	13694.2	13985.7	14199.2	14251.3	14199.2	13985.7	13694.2	13308.8	12827.7	12299.9	11706.6
15°	14419.6	14725.5	14931.6	14977.0	14931.6	14725.5	14419.6	14018.9	13533.7	12959.1	12291.7
12.5°	15045.5	15327.6	15520.0	15593.6	15520.0	15327.6	15045.5	14645.0	14146.9	13529.2	12819.7
10°	15549.8	15767.6	15939.7	16017.2	15939.7	15767.6	15549.8	15150.8	14639.1	13998.9	13236.9
7.5°	15831.2	16010.5	16129.6	16172.4	16129.6	16010.5	15831.2	15513.9	14988.0	14313.0	13562.2
5°	15942.5	16114.3	16178.8	16216.5	16178.8	16114.3	15942.5	15612.7	15183.5	14571.7	13828.4
2.5°	15957.7	16095.2	16227.8	16315.0	16227.8	16095.2	15957.7	15710.6	15338.9	14759.9	13999.1
0°	16046.6	16180.8	16254.2	16296.2	16254.2	16180.8	16046.6	15824.3	15440.5	14874.2	14110.8
-2.5°	15957.7	16095.2	16227.8	16315.0	16227.8	16095.2	15957.7	15710.6	15338.9	14759.9	13999.1
-5°	15942.5	16114.3	16178.8	16216.5	16178.8	16114.3	15942.5	15612.7	15183.5	14571.7	13828.4
-7.5°	15831.2	16010.5	16129.6	16172.4	16129.6	16010.5	15831.2	15513.9	14988.0	14313.0	13562.2
-10°	15549.8	15767.6	15939.7	16017.2	15939.7	15767.6	15549.8	15150.8	14639.1	13998.9	13236.9
-12.5°	15045.5	15327.6	15520.0	15593.6	15520.0	15327.6	15045.5	14645.0	14146.9	13529.2	12819.7
-15°	14419.6	14725.5	14931.6	14977.0	14931.6	14725.5	14419.6	14018.9	13533.7	12959.1	12291.7
-17.5°	13694.2	13985.7	14199.2	14251.3	14199.2	13985.7	13694.2	13308.8	12827.7	12299.9	11706.6
-20°	12884.0	13153.4	13352.8	13372.5	13352.8	13153.4	12884.0	12529.4	12102.6	11626.8	11083.4



REPORT NUMBER: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-940-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12042.5	12270.8	12426.7	12466.5	12426.7	12270.8	12042.5	11728.4	11350.0	10913.4	10399.1
-25°	11203.5	11411.7	11531.3	11577.2	11531.3	11411.7	11203.5	10900.9	10546.0	10129.4	9647.8
-27.5°	10333.4	10520.9	10625.3	10650.2	10625.3	10520.9	10333.4	10059.1	9732.3	9353.6	8932.3
-30°	9444.0	9611.7	9711.3	9721.1	9711.3	9611.7	9444.0	9213.2	8925.2	8592.2	8214.9
-32.5°	8588.2	8743.3	8843.6	8859.1	8843.6	8743.3	8588.2	8385.7	8132.3	7826.6	7478.9
-35°	7735.0	7863.3	7932.7	7915.3	7932.7	7863.3	7735.0	7550.4	7313.0	7036.8	6742.7
-37.5°	6873.7	6977.2	7030.6	7028.1	7030.6	6977.2	6873.7	6721.9	6525.0	6290.6	6025.0
-40°	6061.4	6162.0	6208.1	6178.7	6208.1	6162.0	6061.4	5920.1	5750.5	5550.2	5323.5
-42.5°	5268.4	5348.5	5402.6	5442.5	5402.6	5348.5	5268.4	5150.7	5014.5	4845.2	4646.2
-45°	4567.2	4650.8	4701.7	4710.6	4701.7	4650.8	4567.2	4462.4	4339.9	4185.1	3997.7
-47.5°	3869.6	3918.4	3954.4	3978.6	3954.4	3918.4	3869.6	3793.3	3684.6	3554.0	3412.4
-50°	3170.4	3210.3	3243.9	3269.7	3243.9	3210.3	3170.4	3104.3	3016.7	2917.7	2802.8
-52.5°	2516.4	2552.2	2586.2	2615.4	2586.2	2552.2	2516.4	2458.1	2381.2	2300.1	2192.0
-55°	1942.0	1995.8	2026.2	2034.4	2026.2	1995.8	1942.0	1868.7	1776.7	1677.2	1550.0
-57.5°	1313.5	1364.1	1409.2	1443.0	1409.2	1364.1	1313.5	1245.8	1161.2	1065.0	955.0
-60°	739.0	762.5	773.0	773.9	773.0	762.5	739.0	710.5	677.8	644.0	604.6
-62.5°	493.6	500.8	508.5	513.8	508.5	500.8	493.6	482.8	468.3	452.4	438.3
-65°	346.1	348.1	349.7	350.3	349.7	348.1	346.1	342.6	337.7	335.7	333.1
-67.5°	286.4	289.4	290.0	289.4	290.0	289.4	286.4	282.5	277.8	272.2	265.6
-70°	228.2	231.1	229.9	226.5	229.9	231.1	228.2	225.8	224.8	224.0	219.8
-72.5°	129.9	109.8	95.9	81.8	95.9	109.8	129.9	149.6	169.1	182.9	180.8
-75°	87.9	64.2	62.8	62.9	62.8	64.2	87.9	111.0	133.4	150.4	149.0
-77.5°	67.2	48.8	47.1	46.1	47.1	48.8	67.2	84.8	101.1	113.9	113.5
-80°	39.7	31.6	32.5	33.6	32.5	31.6	39.7	47.6	55.1	62.1	66.7
-82.5°	23.9	18.9	19.9	21.0	19.9	18.9	23.9	28.7	33.1	37.2	39.3
-85°	9.3	8.4	8.4	8.4	8.4	8.4	9.3	10.3	11.1	11.9	11.6
-87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
-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: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-940-U-WR-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°	2.0	1.9	1.9	1.9	1.8	1.8	1.7	2.1	2.4	2.7	3.0
85°	11.3	11.0	10.7	11.5	12.1	12.6	12.8	11.2	9.8	8.6	7.7
82.5°	41.1	42.2	42.6	40.1	37.6	35.3	32.9	27.5	22.6	18.2	14.8
80°	70.8	74.4	76.8	74.4	71.2	67.4	61.6	50.5	40.7	32.6	27.5
77.5°	113.1	112.9	112.1	108.1	104.5	101.5	95.7	78.9	62.5	48.0	40.8
75°	147.4	145.8	143.3	138.4	132.8	126.5	118.8	107.3	92.8	75.3	63.1
72.5°	178.2	175.1	171.0	165.6	159.6	153.5	146.1	136.5	125.4	112.6	102.6
70°	215.2	210.2	204.7	198.5	192.3	185.3	177.9	168.6	156.9	144.3	137.2
67.5°	258.4	250.7	243.8	234.4	226.5	218.3	213.9	205.9	195.3	182.4	173.6
65°	324.4	308.8	298.8	298.1	290.3	274.3	258.4	250.7	242.0	227.5	212.2
62.5°	426.8	418.7	397.7	378.4	364.4	353.6	333.2	311.4	294.4	279.6	259.7
60°	558.7	507.1	485.7	462.2	435.9	409.9	392.5	371.4	346.4	326.5	306.1
57.5°	831.6	730.5	671.4	606.0	534.5	494.9	466.2	433.1	404.9	377.3	351.6
55°	1393.8	1247.7	1091.6	911.2	742.4	667.2	583.6	517.8	477.2	430.6	399.9
52.5°	2053.5	1877.5	1681.3	1465.9	1246.7	1013.7	783.9	686.4	574.3	505.1	453.8
50°	2665.4	2482.2	2288.8	2077.1	1815.7	1531.9	1254.9	978.7	753.0	624.1	521.3
47.5°	3245.1	3044.7	2830.2	2602.1	2360.9	2092.7	1768.5	1428.3	1108.5	787.5	647.3
45°	3807.5	3591.9	3351.4	3103.2	2844.6	2569.6	2279.5	1930.5	1545.9	1176.6	795.3
42.5°	4414.9	4154.4	3884.7	3607.2	3311.3	3018.7	2711.7	2384.3	2015.1	1591.0	1178.2
40°	5059.3	4770.8	4463.0	4133.4	3804.9	3457.5	3126.4	2782.1	2422.9	2022.3	1556.9
37.5°	5720.3	5389.2	5054.4	4691.2	4316.8	3935.1	3548.5	3169.3	2785.6	2394.1	1943.5
35°	6407.3	6041.3	5653.9	5257.3	4835.5	4420.1	3994.0	3563.1	3143.4	2725.4	2294.8
32.5°	7100.8	6699.3	6265.4	5826.2	5369.7	4902.0	4440.3	3972.6	3493.2	3047.5	2596.5
30°	7799.7	7355.0	6882.3	6380.9	5883.6	5383.1	4874.9	4362.0	3848.5	3353.5	2885.9
27.5°	8485.9	8002.9	7488.6	6943.8	6374.9	5838.2	5291.9	4736.0	4183.2	3656.1	3154.1
25°	9162.8	8633.6	8063.2	7480.3	6883.7	6258.1	5677.7	5093.3	4511.6	3938.7	3396.7
22.5°	9837.1	9244.6	8617.5	7974.2	7348.6	6689.9	6042.2	5421.6	4814.8	4207.6	3633.9
20°	10482.8	9830.4	9153.8	8457.3	7764.5	7085.8	6388.9	5729.0	5088.1	4459.3	3854.4
17.5°	11053.2	10362.0	9650.7	8898.4	8158.7	7437.5	6716.3	6010.6	5335.5	4678.1	4054.1
15°	11579.9	10846.3	10090.0	9303.2	8517.0	7744.7	6999.5	6258.5	5557.3	4872.5	4231.3
12.5°	12058.0	11280.5	10487.7	9658.3	8833.4	8016.5	7240.2	6481.9	5751.2	5045.9	4380.7
10°	12448.8	11640.1	10816.3	9965.7	9106.5	8253.2	7439.8	6662.0	5907.3	5183.8	4505.1
7.5°	12766.1	11922.7	11067.2	10208.9	9323.8	8450.7	7606.2	6798.3	6029.2	5284.8	4603.1
5°	13013.7	12145.3	11259.3	10387.8	9480.7	8589.2	7730.5	6890.0	6114.8	5349.5	4673.5
2.5°	13183.6	12296.6	11378.7	10495.7	9582.4	8675.4	7823.0	6960.9	6175.7	5417.7	4735.2
0°	13286.5	12409.8	11468.1	10570.5	9674.9	8722.8	7885.9	7009.2	6201.8	5461.4	4767.2
-2.5°	13183.6	12296.6	11378.7	10495.7	9582.4	8675.4	7823.0	6960.9	6175.7	5417.7	4735.2
-5°	13013.7	12145.3	11259.3	10387.8	9480.7	8589.2	7730.5	6890.0	6114.8	5349.5	4673.5
-7.5°	12766.1	11922.7	11067.2	10208.9	9323.8	8450.7	7606.2	6798.3	6029.2	5284.8	4603.1
-10°	12448.8	11640.1	10816.3	9965.7	9106.5	8253.2	7439.8	6662.0	5907.3	5183.8	4505.1
-12.5°	12058.0	11280.5	10487.7	9658.3	8833.4	8016.5	7240.2	6481.9	5751.2	5045.9	4380.7
-15°	11579.9	10846.3	10090.0	9303.2	8517.0	7744.7	6999.5	6258.5	5557.3	4872.5	4231.3
-17.5°	11053.2	10362.0	9650.7	8898.4	8158.7	7437.5	6716.3	6010.6	5335.5	4678.1	4054.1
-20°	10482.8	9830.4	9153.8	8457.3	7764.5	7085.8	6388.9	5729.0	5088.1	4459.3	3854.4



REPORT NUMBER: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-940-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9837.1	9244.6	8617.5	7974.2	7348.6	6689.9	6042.2	5421.6	4814.8	4207.6	3633.9
-25°	9162.8	8633.6	8063.2	7480.3	6883.7	6258.1	5677.7	5093.3	4511.6	3938.7	3396.7
-27.5°	8485.9	8002.9	7488.6	6943.8	6374.9	5838.2	5291.9	4736.0	4183.2	3656.1	3154.1
-30°	7799.7	7355.0	6882.3	6380.9	5883.6	5383.1	4874.9	4362.0	3848.5	3353.5	2885.9
-32.5°	7100.8	6699.3	6265.4	5826.2	5369.7	4902.0	4440.3	3972.6	3493.2	3047.5	2596.5
-35°	6407.3	6041.3	5653.9	5257.3	4835.5	4420.1	3994.0	3563.1	3143.4	2725.4	2294.8
-37.5°	5720.3	5389.2	5054.4	4691.2	4316.8	3935.1	3548.5	3169.3	2785.6	2394.1	1943.5
-40°	5059.3	4770.8	4463.0	4133.4	3804.9	3457.5	3126.4	2782.1	2422.9	2022.3	1556.9
-42.5°	4414.9	4154.4	3884.7	3607.2	3311.3	3018.7	2711.7	2384.3	2015.1	1591.0	1178.2
-45°	3807.5	3591.9	3351.4	3103.2	2844.6	2569.6	2279.5	1930.5	1545.9	1176.6	795.3
-47.5°	3245.1	3044.7	2830.2	2602.1	2360.9	2092.7	1768.5	1428.3	1108.5	787.5	647.3
-50°	2665.4	2482.2	2288.8	2077.1	1815.7	1531.9	1254.9	978.7	753.0	624.1	521.3
-52.5°	2053.5	1877.5	1681.3	1465.9	1246.7	1013.7	783.9	686.4	574.3	505.1	453.8
-55°	1393.8	1247.7	1091.6	911.2	742.4	667.2	583.6	517.8	477.2	430.6	399.9
-57.5°	831.6	730.5	671.4	606.0	534.5	494.9	466.2	433.1	404.9	377.3	351.6
-60°	558.7	507.1	485.7	462.2	435.9	409.9	392.5	371.4	346.4	326.5	306.1
-62.5°	426.8	418.7	397.7	378.4	364.4	353.6	333.2	311.4	294.4	279.6	259.7
-65°	324.4	308.8	298.8	298.1	290.3	274.3	258.4	250.7	242.0	227.5	212.2
-67.5°	258.4	250.7	243.8	234.4	226.5	218.3	213.9	205.9	195.3	182.4	173.6
-70°	215.2	210.2	204.7	198.5	192.3	185.3	177.9	168.6	156.9	144.3	137.2
-72.5°	178.2	175.1	171.0	165.6	159.6	153.5	146.1	136.5	125.4	112.6	102.6
-75°	147.4	145.8	143.3	138.4	132.8	126.5	118.8	107.3	92.8	75.3	63.1
-77.5°	113.1	112.9	112.1	108.1	104.5	101.5	95.7	78.9	62.5	48.0	40.8
-80°	70.8	74.4	76.8	74.4	71.2	67.4	61.6	50.5	40.7	32.6	27.5
-82.5°	41.1	42.2	42.6	40.1	37.6	35.3	32.9	27.5	22.6	18.2	14.8
-85°	11.3	11.0	10.7	11.5	12.1	12.6	12.8	11.2	9.8	8.6	7.7
-87.5°	2.0	1.9	1.9	1.9	1.8	1.8	1.7	2.1	2.4	2.7	3.0
-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: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-940-U-WR-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°	2.8	2.7	2.6	2.4	2.5	2.6	2.7	2.7	2.4	2.2	1.9
85°	7.7	7.5	7.1	6.4	5.9	5.3	5.3	5.3	4.8	4.3	3.8
82.5°	14.9	15.0	15.1	14.9	14.8	14.2	13.3	11.9	9.3	6.8	5.7
80°	30.8	32.5	32.6	30.6	26.8	23.3	22.3	20.6	17.0	13.5	10.1
77.5°	47.0	51.5	54.2	53.1	47.4	41.8	36.4	30.7	24.6	20.2	15.8
75°	64.3	70.2	74.7	74.6	68.4	60.2	52.9	45.4	36.4	27.2	21.5
72.5°	97.4	95.1	95.8	96.3	91.0	83.0	72.3	59.9	49.5	38.9	28.2
70°	130.6	122.0	116.1	115.1	112.4	106.4	95.8	79.7	62.5	50.5	38.4
67.5°	165.6	156.9	145.8	136.0	132.4	127.2	119.0	100.2	79.9	61.9	48.4
65°	201.5	191.2	180.7	166.3	155.4	148.1	139.7	119.6	96.7	76.0	58.2
62.5°	240.7	223.8	210.4	194.9	180.1	168.9	160.0	138.2	113.1	89.4	68.8
60°	283.8	262.2	240.2	221.8	204.2	188.4	175.7	156.9	130.8	102.2	79.4
57.5°	327.5	301.1	273.7	249.3	228.6	208.9	190.7	172.5	148.5	117.8	88.9
55°	371.4	342.0	307.2	277.4	252.8	230.9	207.0	186.6	165.2	134.1	96.3
52.5°	413.8	380.4	343.3	306.2	276.1	251.4	225.0	200.7	178.2	150.3	107.2
50°	465.7	417.3	378.2	338.1	299.2	270.3	241.9	215.6	191.1	165.1	117.4
47.5°	525.7	464.4	412.8	369.1	327.1	288.8	258.8	229.7	204.0	176.6	126.3
45°	645.3	518.0	453.2	401.2	353.4	311.1	275.4	242.8	215.6	181.6	133.8
42.5°	782.0	618.0	500.7	432.7	381.9	333.5	291.7	257.2	226.5	184.9	137.9
40°	1110.9	742.9	564.8	474.9	410.4	354.4	310.3	271.6	235.6	186.8	139.5
37.5°	1448.7	974.7	677.4	515.9	440.8	379.9	327.7	285.4	239.5	188.8	140.0
35°	1791.6	1277.6	787.7	589.8	477.2	404.7	343.7	299.2	248.3	190.8	139.3
32.5°	2117.0	1570.2	1040.8	687.7	512.1	428.6	362.5	312.9	259.4	192.7	137.4
30°	2396.2	1854.3	1291.4	781.2	560.8	458.2	383.2	325.9	272.8	194.6	135.4
27.5°	2650.1	2119.7	1527.1	962.3	641.5	486.8	402.8	338.1	288.0	199.4	135.8
25°	2883.7	2346.1	1754.6	1160.9	717.2	513.9	420.5	349.7	300.1	209.7	135.8
22.5°	3090.1	2547.6	1962.7	1341.8	785.4	540.4	439.7	364.4	309.3	220.6	135.5
20°	3275.3	2730.8	2151.9	1508.9	897.7	596.9	460.3	377.5	317.7	231.8	134.8
17.5°	3441.9	2890.0	2310.9	1667.3	1031.8	646.9	479.1	389.0	325.2	243.1	133.5
15°	3604.5	3025.2	2445.8	1807.4	1149.9	690.2	496.1	398.8	331.9	254.2	132.8
12.5°	3741.1	3140.9	2559.7	1928.6	1251.5	726.8	510.9	406.9	337.5	263.9	132.0
10°	3850.8	3236.3	2652.3	2029.9	1336.0	756.6	523.6	413.0	341.9	272.0	129.3
7.5°	3933.5	3311.0	2723.8	2110.9	1402.8	781.2	531.7	416.6	345.4	278.4	125.2
5°	3993.1	3367.3	2775.8	2170.7	1451.1	801.2	536.8	418.4	348.1	283.0	119.9
2.5°	4042.4	3406.9	2808.5	2209.0	1480.5	815.0	539.3	418.7	349.7	285.4	113.8
0°	4066.7	3424.9	2820.9	2225.3	1491.2	822.1	539.0	417.4	350.3	285.2	107.0
-2.5°	4042.4	3406.9	2808.5	2209.0	1480.5	815.0	539.3	418.7	349.7	285.4	113.8
-5°	3993.1	3367.3	2775.8	2170.7	1451.1	801.2	536.8	418.4	348.1	283.0	119.9
-7.5°	3933.5	3311.0	2723.8	2110.9	1402.8	781.2	531.7	416.6	345.4	278.4	125.2
-10°	3850.8	3236.3	2652.3	2029.9	1336.0	756.6	523.6	413.0	341.9	272.0	129.3
-12.5°	3741.1	3140.9	2559.7	1928.6	1251.5	726.8	510.9	406.9	337.5	263.9	132.0
-15°	3604.5	3025.2	2445.8	1807.4	1149.9	690.2	496.1	398.8	331.9	254.2	132.8
-17.5°	3441.9	2890.0	2310.9	1667.3	1031.8	646.9	479.1	389.0	325.2	243.1	133.5
-20°	3275.3	2730.8	2151.9	1508.9	897.7	596.9	460.3	377.5	317.7	231.8	134.8



REPORT NUMBER: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-940-U-WR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3090.1	2547.6	1962.7	1341.8	785.4	540.4	439.7	364.4	309.3	220.6	135.5
-25°	2883.7	2346.1	1754.6	1160.9	717.2	513.9	420.5	349.7	300.1	209.7	135.8
-27.5°	2650.1	2119.7	1527.1	962.3	641.5	486.8	402.8	338.1	288.0	199.4	135.8
-30°	2396.2	1854.3	1291.4	781.2	560.8	458.2	383.2	325.9	272.8	194.6	135.4
-32.5°	2117.0	1570.2	1040.8	687.7	512.1	428.6	362.5	312.9	259.4	192.7	137.4
-35°	1791.6	1277.6	787.7	589.8	477.2	404.7	343.7	299.2	248.3	190.8	139.3
-37.5°	1448.7	974.7	677.4	515.9	440.8	379.9	327.7	285.4	239.5	188.8	140.0
-40°	1110.9	742.9	564.8	474.9	410.4	354.4	310.3	271.6	235.6	186.8	139.5
-42.5°	782.0	618.0	500.7	432.7	381.9	333.5	291.7	257.2	226.5	184.9	137.9
-45°	645.3	518.0	453.2	401.2	353.4	311.1	275.4	242.8	215.6	181.6	133.8
-47.5°	525.7	464.4	412.8	369.1	327.1	288.8	258.8	229.7	204.0	176.6	126.3
-50°	465.7	417.3	378.2	338.1	299.2	270.3	241.9	215.6	191.1	165.1	117.4
-52.5°	413.8	380.4	343.3	306.2	276.1	251.4	225.0	200.7	178.2	150.3	107.2
-55°	371.4	342.0	307.2	277.4	252.8	230.9	207.0	186.6	165.2	134.1	96.3
-57.5°	327.5	301.1	273.7	249.3	228.6	208.9	190.7	172.5	148.5	117.8	88.9
-60°	283.8	262.2	240.2	221.8	204.2	188.4	175.7	156.9	130.8	102.2	79.4
-62.5°	240.7	223.8	210.4	194.9	180.1	168.9	160.0	138.2	113.1	89.4	68.8
-65°	201.5	191.2	180.7	166.3	155.4	148.1	139.7	119.6	96.7	76.0	58.2
-67.5°	165.6	156.9	145.8	136.0	132.4	127.2	119.0	100.2	79.9	61.9	48.4
-70°	130.6	122.0	116.1	115.1	112.4	106.4	95.8	79.7	62.5	50.5	38.4
-72.5°	97.4	95.1	95.8	96.3	91.0	83.0	72.3	59.9	49.5	38.9	28.2
-75°	64.3	70.2	74.7	74.6	68.4	60.2	52.9	45.4	36.4	27.2	21.5
-77.5°	47.0	51.5	54.2	53.1	47.4	41.8	36.4	30.7	24.6	20.2	15.8
-80°	30.8	32.5	32.6	30.6	26.8	23.3	22.3	20.6	17.0	13.5	10.1
-82.5°	14.9	15.0	15.1	14.9	14.8	14.2	13.3	11.9	9.3	6.8	5.7
-85°	7.7	7.5	7.1	6.4	5.9	5.3	5.3	5.3	4.8	4.3	3.8
-87.5°	2.8	2.7	2.6	2.4	2.5	2.6	2.7	2.7	2.4	2.2	1.9
-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: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-940-U-WR-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°	1.6	1.4	1.1	0.8	0.5	0.3	0.0
85°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
82.5°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
80°	6.9	5.4	4.4	3.3	2.2	1.1	0.0
77.5°	11.6	7.5	5.4	4.1	2.7	1.4	0.0
75°	16.2	10.8	6.7	4.9	3.3	1.6	0.0
72.5°	20.6	14.0	8.9	5.7	3.8	1.9	0.0
70°	25.3	17.1	11.0	6.5	4.3	2.2	0.0
67.5°	33.0	20.1	13.0	7.8	4.8	2.4	0.0
65°	40.3	24.0	15.0	9.0	5.3	2.7	0.0
62.5°	47.0	28.7	16.8	10.2	5.8	2.9	0.0
60°	53.1	33.1	18.5	11.3	6.3	3.1	0.0
57.5°	59.3	37.0	21.0	12.3	6.9	3.4	0.0
55°	64.8	40.5	23.4	13.2	7.5	3.6	0.0
52.5°	69.6	43.6	25.5	14.0	8.1	3.8	0.0
50°	73.5	46.5	27.3	14.8	8.7	4.0	0.0
47.5°	77.2	48.8	28.7	15.6	9.2	4.3	0.0
45°	83.5	50.6	29.9	16.4	9.8	4.5	0.0
42.5°	88.7	51.8	30.7	17.0	10.3	4.6	0.0
40°	92.8	52.3	31.3	17.8	10.8	4.8	0.0
37.5°	95.9	52.3	31.5	18.7	11.2	5.0	0.0
35°	98.0	53.5	31.4	19.5	11.7	5.2	0.0
32.5°	98.4	55.0	31.0	20.2	12.1	5.3	0.0
30°	96.6	55.7	30.2	21.0	12.4	5.5	0.0
27.5°	93.9	55.7	31.0	21.6	12.8	5.6	0.0
25°	90.5	55.0	31.9	22.2	13.1	5.7	0.0
22.5°	86.4	55.0	32.8	22.8	13.4	5.8	0.0
20°	81.6	57.6	33.6	23.3	13.7	5.9	0.0
17.5°	80.8	59.8	34.4	23.7	13.9	6.0	0.0
15°	82.4	61.8	35.1	24.1	14.1	6.1	0.0
12.5°	83.9	63.4	35.8	24.4	14.3	6.2	0.0
10°	85.1	64.8	36.3	24.7	14.4	6.2	0.0
7.5°	86.2	65.8	36.8	24.9	14.6	6.2	0.0
5°	87.1	66.5	37.2	25.1	14.6	6.3	0.0
2.5°	87.7	67.0	37.6	25.2	14.7	6.3	0.0
0°	88.1	67.1	37.8	25.2	14.7	6.3	0.0
-2.5°	87.7	67.0	37.6	25.2	14.7	6.3	0.0
-5°	87.1	66.5	37.2	25.1	14.6	6.3	0.0
-7.5°	86.2	65.8	36.8	24.9	14.6	6.2	0.0
-10°	85.1	64.8	36.3	24.7	14.4	6.2	0.0
-12.5°	83.9	63.4	35.8	24.4	14.3	6.2	0.0
-15°	82.4	61.8	35.1	24.1	14.1	6.1	0.0
-17.5°	80.8	59.8	34.4	23.7	13.9	6.0	0.0
-20°	81.6	57.6	33.6	23.3	13.7	5.9	0.0



REPORT NUMBER: P558971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-940-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	86.4	55.0	32.8	22.8	13.4	5.8	0.0
-25°	90.5	55.0	31.9	22.2	13.1	5.7	0.0
-27.5°	93.9	55.7	31.0	21.6	12.8	5.6	0.0
-30°	96.6	55.7	30.2	21.0	12.4	5.5	0.0
-32.5°	98.4	55.0	31.0	20.2	12.1	5.3	0.0
-35°	98.0	53.5	31.4	19.5	11.7	5.2	0.0
-37.5°	95.9	52.3	31.5	18.7	11.2	5.0	0.0
-40°	92.8	52.3	31.3	17.8	10.8	4.8	0.0
-42.5°	88.7	51.8	30.7	17.0	10.3	4.6	0.0
-45°	83.5	50.6	29.9	16.4	9.8	4.5	0.0
-47.5°	77.2	48.8	28.7	15.6	9.2	4.3	0.0
-50°	73.5	46.5	27.3	14.8	8.7	4.0	0.0
-52.5°	69.6	43.6	25.5	14.0	8.1	3.8	0.0
-55°	64.8	40.5	23.4	13.2	7.5	3.6	0.0
-57.5°	59.3	37.0	21.0	12.3	6.9	3.4	0.0
-60°	53.1	33.1	18.5	11.3	6.3	3.1	0.0
-62.5°	47.0	28.7	16.8	10.2	5.8	2.9	0.0
-65°	40.3	24.0	15.0	9.0	5.3	2.7	0.0
-67.5°	33.0	20.1	13.0	7.8	4.8	2.4	0.0
-70°	25.3	17.1	11.0	6.5	4.3	2.2	0.0
-72.5°	20.6	14.0	8.9	5.7	3.8	1.9	0.0
-75°	16.2	10.8	6.7	4.9	3.3	1.6	0.0
-77.5°	11.6	7.5	5.4	4.1	2.7	1.4	0.0
-80°	6.9	5.4	4.4	3.3	2.2	1.1	0.0
-82.5°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
-85°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
-87.5°	1.6	1.4	1.1	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)