

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: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-930-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA5E-930-U-WAF-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (80) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

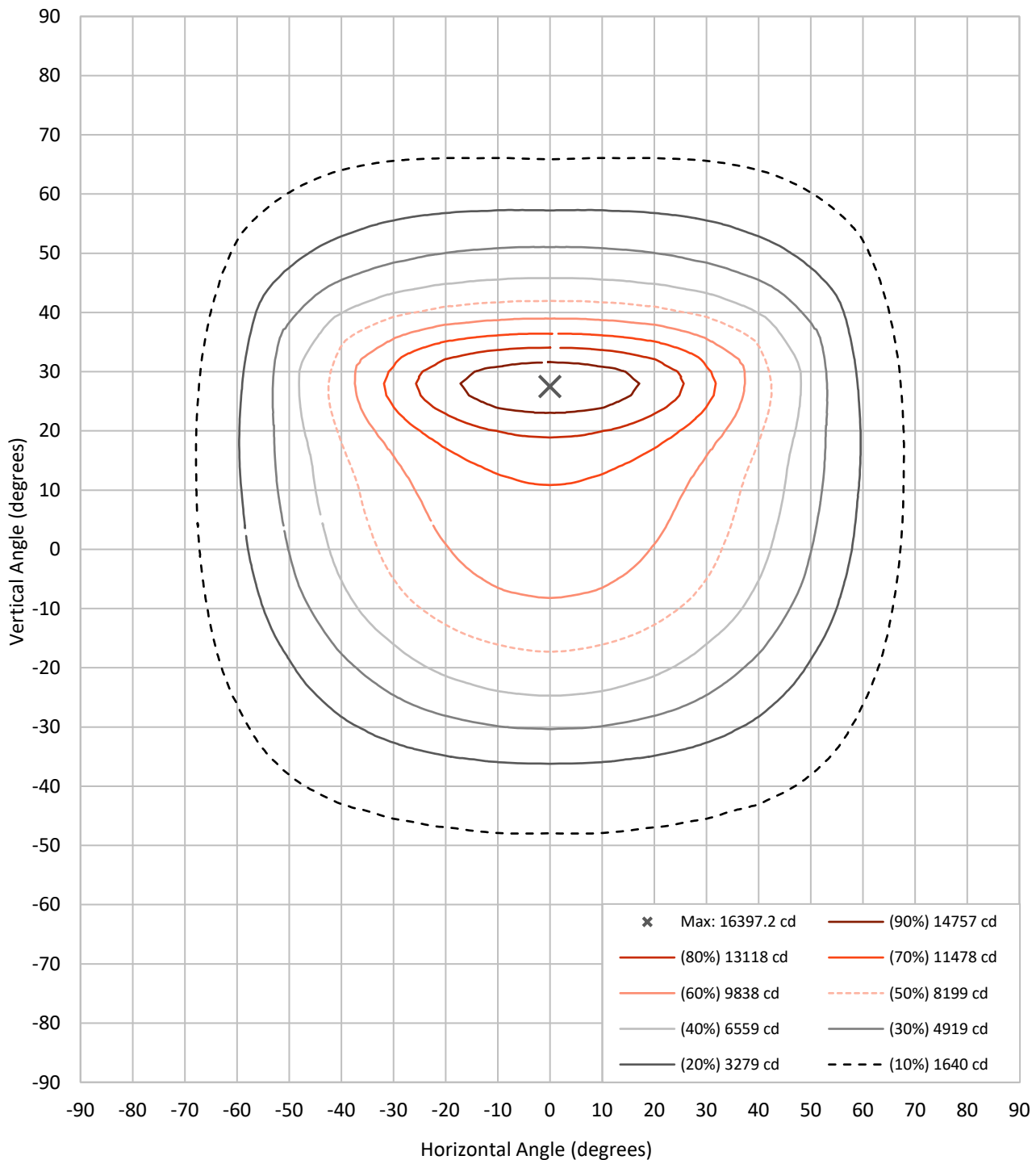
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	23904.4 lumens	Max Intensity:	16397.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	77.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	12423.1 lumens	Field Lumens:	22113.6 lumens
Beam Efficiency:	52.0%	Field Efficiency:	92.5%
Input Watts (W):	307		
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-SA5E-930-U-WAF-XX

Iso-Candela Plot





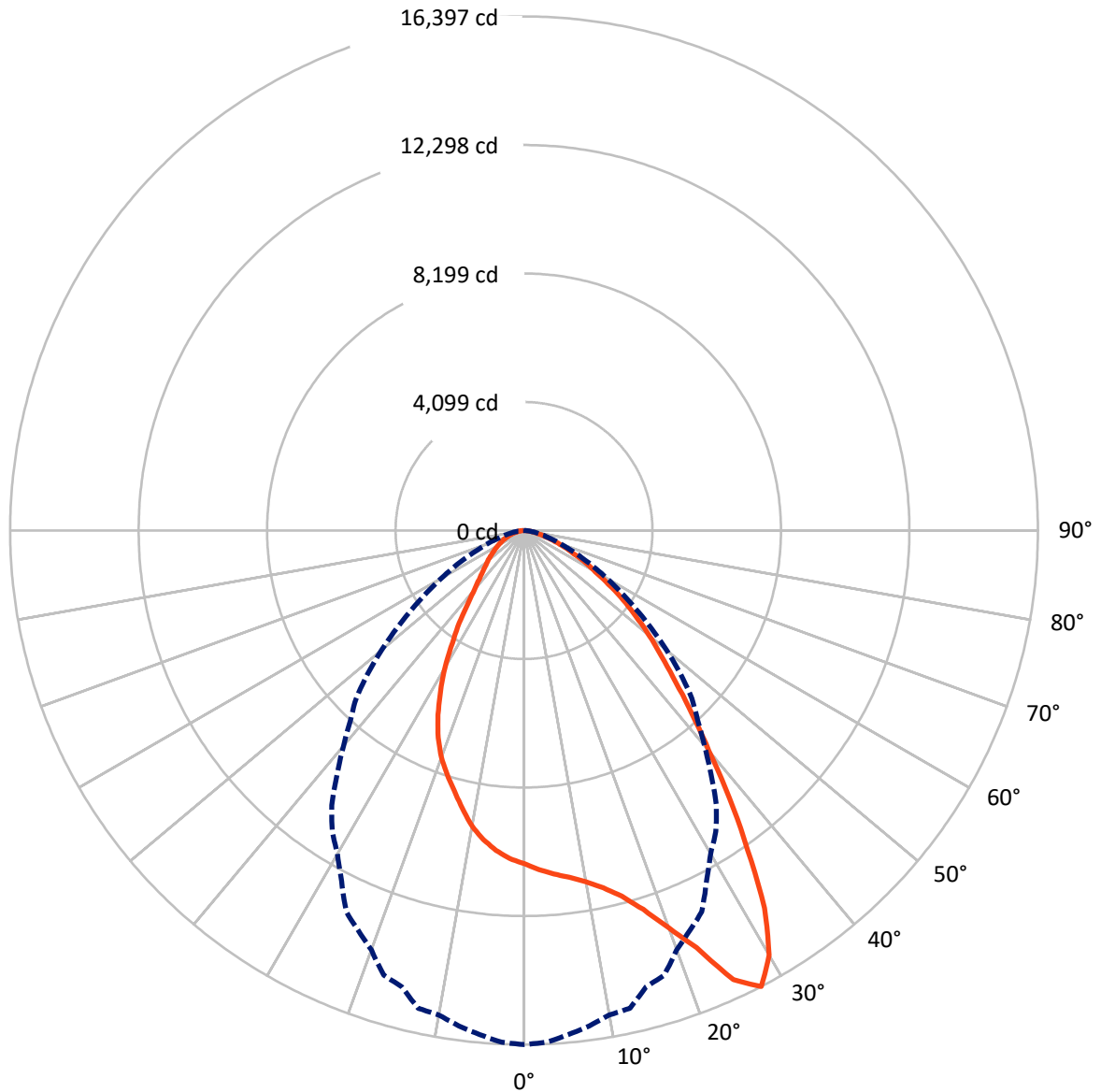
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 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

Lumen Table

90																			
80	1.6	14.3		35.8		46.9		48.6		46.9		35.8		14.3		1.6			
70																			
60	6.5	8.1	17.8	30.1	41.3	49.3	53.7	55.2	55.2	53.7	49.3	41.3	30.1	17.8	8.1	6.5			
50		13.3	32.5	56.2	79.5	98.7	111.5	117.4	117.4	111.5	98.7	79.5	56.2	32.5	13.3				
40	11.5	19.2	52.3	95.8	139.1	174.4	198.4	210.8	210.8	198.4	174.4	139.1	95.8	52.3	19.2	11.5			
30		24.5	71.2	142.9	225.3	297.7	349.3	375.3	375.3	349.3	297.7	225.3	142.9	71.2	24.5				
20	14.5	27.7	77.8	159.3	255.2	347.8	419.2	458.0	458.0	419.2	347.8	255.2	159.3	77.8	27.7	14.5			
10		28.5	76.6	146.2	222.4	290.7	341.1	367.4	367.4	341.1	290.7	222.4	146.2	76.6	28.5				
0	14.5	27.4	71.9	135.7	204.1	264.6	309.3	331.2	331.2	309.3	264.6	204.1	135.7	71.9	27.4	14.5			
-10		24.7	63.5	121.0	184.9	242.0	284.1	305.8	305.8	284.1	242.0	184.9	121.0	63.5	24.7				
-20	12.1	21.0	51.1	96.9	151.0	201.4	239.1	259.0	259.0	239.1	201.4	151.0	96.9	51.1	21.0	12.1			
-30		16.9	38.2	69.5	107.5	146.0	176.0	193.2	193.2	176.0	146.0	107.5	69.5	38.2	16.9				
-40	8.6	13.2	27.6	46.2	66.5	85.7	101.0	109.5	109.5	101.0	85.7	66.5	46.2	27.6	13.2	8.6			
-50		9.9	19.5	30.0	40.0	48.7	54.9	58.0	58.0	54.9	48.7	40.0	30.0	19.5	9.9				
-60	4.9	7.1	13.5	19.9	25.9	31.2	35.2	36.9	36.9	35.2	31.2	25.9	19.9	13.5	7.1	4.9			
-70		4.7	8.7	12.8	16.5	19.6	21.7	22.6	22.6	21.7	19.6	16.5	12.8	8.7	4.7				
-80	1.5	9.6		20.5		27.7		29.9		27.7		20.5		9.6		1.5			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

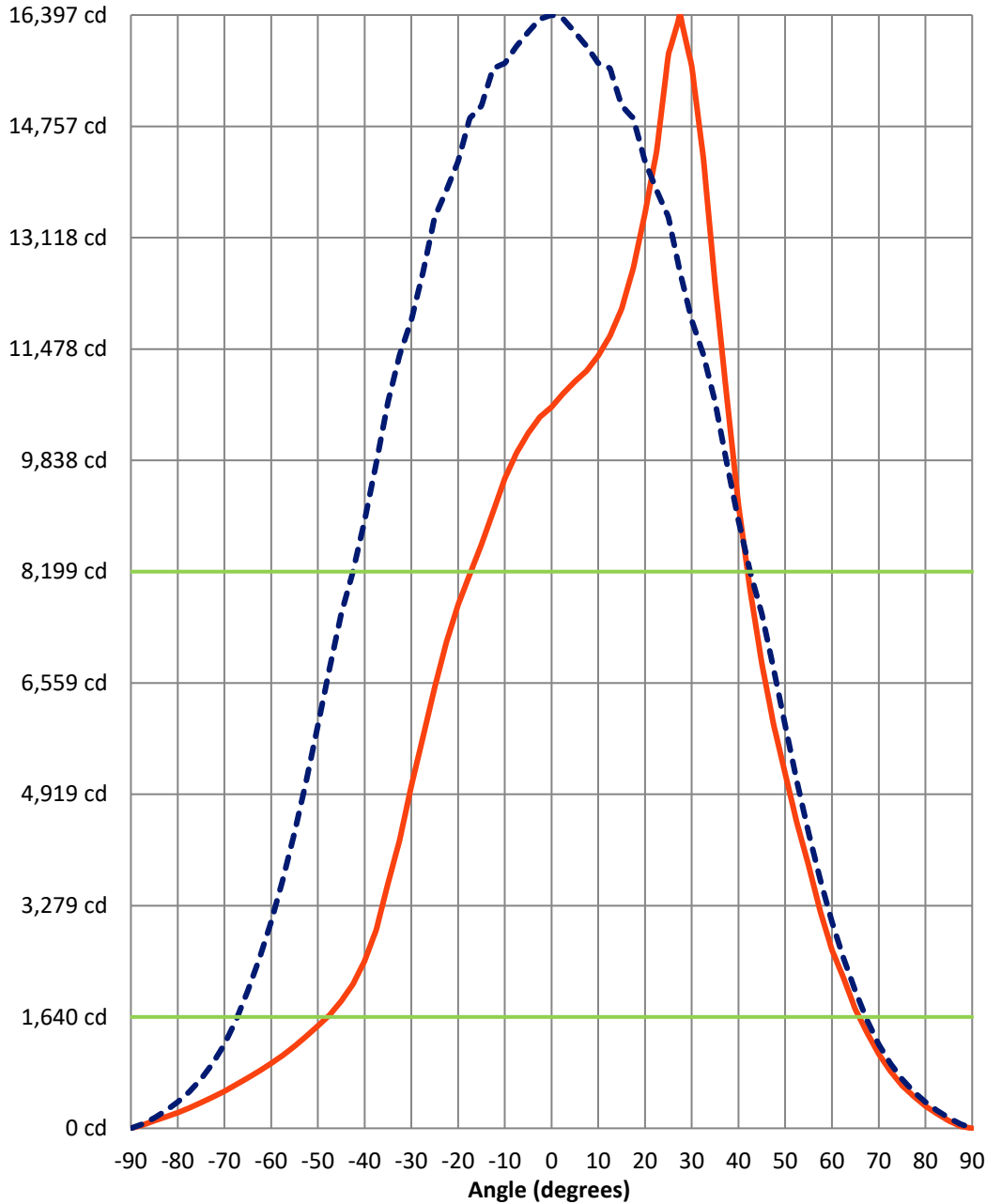
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 27.5-Deg

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 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

Luminous Intensity Plot



Beam:
 H Angle: 85°
 V Angle: 59.2°
 Lumens: 12423.1
 Efficiency: 52.0%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 22113.6
 Efficiency: 92.5%

Spill:
 Lumens: 1790.8
 Efficiency: 7.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 27.5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	3.1	6.4	9.5	12.5	15.4	18.3	21.0	23.7	26.3	28.8
85°	0.0	6.3	12.7	18.9	24.9	30.8	36.5	42.0	47.4	52.6	57.5
82.5°	0.0	9.4	19.1	28.3	37.3	46.1	54.7	63.0	72.5	88.3	104.8
80°	0.0	12.5	25.3	37.7	49.7	61.4	74.4	95.1	116.7	139.3	162.6
77.5°	0.0	15.5	31.6	47.0	62.0	80.1	105.7	132.5	160.6	189.7	223.6
75°	0.0	18.6	37.8	56.2	75.4	105.0	136.6	169.5	205.0	249.8	295.7
72.5°	0.0	21.6	43.8	65.3	94.5	129.6	166.9	208.7	260.0	312.7	366.6
70°	0.0	24.5	49.8	75.2	113.2	153.7	197.9	255.2	314.0	374.7	445.5
67.5°	0.0	27.5	55.7	88.5	131.5	177.3	235.7	300.8	367.2	445.9	525.2
65°	0.0	30.3	61.5	101.6	149.4	203.5	272.5	345.3	428.7	515.6	607.7
62.5°	0.0	33.1	67.2	114.3	166.9	232.1	308.1	394.9	488.8	586.1	698.5
60°	0.0	35.8	72.7	126.7	183.8	259.7	342.3	445.7	547.3	663.7	786.4
57.5°	0.0	38.5	80.5	138.7	204.1	286.2	381.1	494.5	610.8	738.5	886.8
55°	0.0	41.1	88.1	150.3	223.8	311.5	418.7	539.8	673.6	814.2	989.6
52.5°	0.0	43.6	95.4	161.5	242.7	336.4	454.3	588.0	733.6	899.0	1086.5
50°	0.0	46.0	102.5	172.2	260.6	363.7	487.9	633.8	794.2	978.6	1202.4
47.5°	0.0	48.3	109.3	183.0	277.6	389.4	519.8	676.5	858.8	1052.8	1312.9
45°	0.0	50.5	115.9	194.9	293.6	413.3	553.2	715.8	915.1	1142.4	1414.7
42.5°	0.0	52.7	122.1	206.2	308.5	435.5	583.9	757.1	966.8	1225.0	1529.1
40°	0.0	54.7	128.0	216.9	323.7	455.8	611.9	798.4	1018.9	1299.3	1636.4
37.5°	0.0	56.6	133.6	227.0	338.9	474.3	637.2	835.9	1075.2	1367.3	1732.4
35°	0.0	58.4	138.9	236.5	352.7	492.8	659.7	869.6	1124.8	1439.5	1822.9
32.5°	0.0	60.1	143.9	245.3	365.2	510.1	681.4	899.3	1167.6	1501.3	1903.5
30°	0.0	61.7	148.4	253.4	376.4	525.3	704.6	927.0	1203.7	1552.7	1970.4
27.5°	0.0	63.1	152.7	260.8	386.9	538.4	724.7	955.8	1237.3	1593.7	2023.5
25°	0.0	64.5	156.5	267.6	396.3	549.5	741.7	979.2	1270.0	1631.5	2063.4
22.5°	0.0	65.7	160.0	273.6	404.3	559.1	755.5	997.4	1294.6	1661.9	2097.5
20°	0.0	66.7	163.1	278.9	411.0	568.6	766.3	1010.6	1311.3	1681.7	2119.5
17.5°	0.0	67.7	165.9	283.4	416.5	576.5	776.0	1018.9	1320.4	1691.0	2129.7
15°	0.0	68.5	168.2	287.3	420.7	582.7	783.8	1024.6	1322.3	1690.4	2128.3
12.5°	0.0	69.2	170.2	290.4	423.6	587.3	788.6	1028.9	1322.3	1680.3	2115.7
10°	0.0	69.7	171.7	292.8	425.4	590.1	790.5	1029.2	1320.1	1675.2	2096.5
7.5°	0.0	70.2	172.9	294.4	425.9	591.4	789.6	1025.6	1312.3	1664.6	2075.0
5°	0.0	70.4	173.7	295.4	425.4	590.9	786.1	1018.4	1299.3	1646.9	2043.2
2.5°	0.0	70.6	174.0	295.6	423.8	588.9	780.1	1007.7	1281.2	1622.4	2001.9
0°	0.0	70.6	174.0	295.1	421.2	585.2	771.8	993.8	1258.6	1591.5	1952.2
-2.5°	0.0	70.7	173.6	293.8	419.2	579.7	763.0	979.2	1236.3	1557.2	1902.2
-5°	0.0	70.7	172.8	291.7	416.2	572.6	752.0	961.7	1210.2	1517.5	1845.7
-7.5°	0.0	70.5	171.6	289.1	412.2	564.2	739.1	941.6	1180.4	1472.9	1783.5
-10°	0.0	70.2	170.0	285.7	407.3	554.5	724.2	919.0	1147.3	1423.8	1716.5
-12.5°	0.0	69.7	168.1	281.7	401.5	543.6	707.6	894.2	1111.3	1371.6	1650.6
-15°	0.0	69.1	165.9	277.2	394.8	531.5	689.3	867.3	1074.3	1320.1	1583.4
-17.5°	0.0	68.4	163.3	272.0	387.2	518.5	669.4	840.5	1037.4	1265.8	1512.8
-20°	0.0	67.6	160.3	266.2	378.8	504.5	648.7	813.3	998.4	1209.1	1439.3



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 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	66.6	157.0	259.9	369.5	489.8	628.0	784.2	957.7	1150.5	1363.5
-25°	0.0	65.4	153.5	253.1	359.3	475.0	606.1	753.4	915.6	1090.4	1285.9
-27.5°	0.0	64.2	149.6	245.7	348.4	459.6	583.0	720.9	872.4	1032.2	1212.2
-30°	0.0	62.8	145.4	237.9	336.7	443.2	558.9	686.9	830.5	979.0	1138.8
-32.5°	0.0	61.3	141.0	229.6	324.7	425.9	533.9	655.2	788.8	925.6	1065.7
-35°	0.0	59.6	136.3	220.8	312.0	407.7	510.6	623.9	745.9	872.3	993.4
-37.5°	0.0	57.8	131.3	211.6	298.6	389.4	487.4	591.9	701.9	819.1	933.6
-40°	0.0	55.9	126.1	202.1	284.8	371.8	463.5	559.5	656.9	767.3	877.0
-42.5°	0.0	53.9	120.7	192.1	270.9	353.7	438.7	526.6	616.4	717.3	819.4
-45°	0.0	51.8	115.0	181.9	257.2	334.9	413.2	494.7	578.3	667.2	761.3
-47.5°	0.0	49.6	109.2	171.2	243.0	315.7	387.0	464.2	540.3	617.1	705.9
-50°	0.0	47.2	103.1	161.7	228.3	295.9	363.0	433.0	502.7	575.1	650.7
-52.5°	0.0	44.8	96.9	152.3	213.2	275.7	339.0	401.3	466.3	532.2	596.6
-55°	0.0	42.3	90.4	142.6	197.7	256.2	314.7	369.6	430.0	488.6	548.6
-57.5°	0.0	39.6	83.8	132.7	181.7	236.4	290.0	341.3	393.2	446.9	500.0
-60°	0.0	36.9	77.1	122.6	165.5	216.2	265.0	312.7	356.8	405.5	452.1
-62.5°	0.0	34.1	71.4	112.2	151.8	195.6	240.6	283.7	324.1	363.5	406.3
-65°	0.0	31.3	65.4	101.6	137.8	174.7	215.9	254.5	291.0	325.7	360.2
-67.5°	0.0	28.4	59.3	90.8	123.6	155.3	190.8	225.8	257.5	288.7	318.0
-70°	0.0	25.4	53.1	79.8	109.1	137.5	165.3	196.8	225.5	251.4	277.4
-72.5°	0.0	22.3	46.8	69.9	94.5	119.5	143.5	167.7	193.4	216.6	237.3
-75°	0.0	19.2	40.3	60.1	79.7	101.2	121.9	141.9	161.2	181.8	200.2
-77.5°	0.0	16.1	33.7	50.3	66.3	82.8	100.2	117.1	133.1	148.1	163.1
-80°	0.0	12.9	27.1	40.3	53.2	65.8	78.4	92.3	105.4	117.8	129.3
-82.5°	0.0	9.7	20.4	30.3	40.0	49.4	58.6	68.1	77.6	87.3	96.5
-85°	0.0	6.5	13.6	20.2	26.7	33.0	39.1	45.5	51.7	57.9	63.9
-87.5°	0.0	3.2	6.8	10.1	13.4	16.5	19.6	22.8	25.9	29.0	32.0
-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: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	30.3	31.5	32.5	33.3	34.5	35.7	36.7	37.5	38.1	38.7	39.0
85°	60.6	63.1	70.6	77.7	85.1	91.8	97.8	103.1	107.4	110.9	113.6
82.5°	118.3	131.0	143.0	154.2	164.5	173.7	182.6	192.7	200.9	207.8	213.3
80°	181.5	198.8	219.8	239.4	257.2	273.4	288.2	301.5	311.9	322.3	332.4
77.5°	255.1	283.1	309.1	333.1	356.3	383.4	408.4	431.4	449.1	462.5	472.8
75°	334.3	367.4	405.4	442.9	478.3	510.8	542.3	580.8	612.1	635.6	654.4
72.5°	418.8	466.5	512.9	557.9	609.7	660.1	709.0	756.3	797.8	828.2	852.9
70°	510.1	565.5	629.5	694.4	756.7	820.0	887.4	948.8	999.6	1035.6	1069.8
67.5°	603.4	681.1	756.9	835.0	923.3	1003.8	1077.4	1155.1	1223.6	1268.6	1308.0
65°	710.9	797.9	899.2	1002.6	1099.6	1200.1	1293.1	1377.4	1463.8	1526.6	1578.1
62.5°	814.8	937.1	1056.6	1177.6	1299.5	1408.8	1530.3	1638.7	1725.6	1815.4	1892.4
60°	938.1	1083.4	1229.9	1375.8	1512.2	1665.8	1799.0	1925.0	2041.1	2141.3	2236.0
57.5°	1061.1	1248.7	1422.1	1593.3	1773.8	1938.0	2094.6	2235.7	2374.6	2490.5	2604.2
55°	1190.5	1432.1	1632.1	1843.6	2042.1	2227.6	2403.6	2580.3	2728.3	2888.0	3027.0
52.5°	1334.2	1610.1	1868.6	2101.5	2325.2	2539.2	2749.6	2962.4	3170.2	3335.7	3492.8
50°	1468.4	1797.3	2108.3	2374.0	2631.2	2885.2	3148.3	3414.2	3643.2	3832.6	3996.1
47.5°	1616.2	1971.3	2366.3	2660.2	2968.9	3283.6	3603.1	3896.8	4146.3	4403.9	4584.4
45°	1760.3	2147.3	2575.8	2983.8	3340.9	3722.1	4073.9	4397.9	4759.5	5040.8	5282.1
42.5°	1891.7	2314.0	2791.1	3310.3	3756.8	4165.9	4546.7	5002.5	5417.8	5746.8	6047.8
40°	2027.0	2465.7	2986.8	3613.6	4171.5	4608.2	5071.7	5575.4	6116.1	6520.8	6880.6
37.5°	2150.6	2621.0	3165.9	3845.0	4579.8	5059.9	5572.4	6118.9	6735.3	7344.0	7776.6
35°	2260.1	2752.4	3343.5	4033.3	4785.5	5497.7	6039.8	6621.8	7296.3	8086.3	8677.0
32.5°	2359.3	2859.7	3484.4	4180.1	4943.3	5778.3	6466.0	7063.6	7740.3	8555.4	9558.5
30°	2440.2	2963.6	3589.4	4286.3	5051.6	5883.3	6756.6	7407.6	8049.9	8849.8	9783.4
27.5°	2501.6	3039.8	3661.7	4352.5	5109.6	5932.0	6772.0	7575.2	8197.0	8949.7	9798.6
25°	2548.6	3102.3	3700.0	4377.1	5118.1	5910.6	6718.9	7479.1	8177.0	8840.6	9602.4
22.5°	2587.7	3145.3	3742.0	4360.5	5079.5	5834.5	6594.8	7319.4	7995.0	8616.2	9271.6
20°	2616.9	3172.9	3763.1	4376.7	5014.7	5710.9	6437.9	7127.6	7780.2	8381.7	8915.1
17.5°	2630.2	3181.0	3763.1	4373.7	5003.8	5612.7	6245.8	6908.7	7550.2	8147.9	8674.8
15°	2627.8	3170.4	3742.4	4350.3	4971.0	5574.2	6157.5	6704.4	7301.7	7905.9	8431.0
12.5°	2610.4	3141.7	3701.7	4306.8	4917.7	5513.7	6086.5	6635.6	7171.2	7677.2	8179.2
10°	2578.7	3095.8	3641.8	4243.2	4844.0	5431.2	5996.6	6547.5	7077.6	7574.3	8041.8
7.5°	2546.2	3044.5	3569.8	4160.0	4750.0	5326.9	5887.1	6439.1	6958.9	7454.6	7926.6
5°	2503.2	2990.2	3514.9	4080.3	4649.0	5211.8	5760.1	6309.3	6815.3	7315.5	7789.4
2.5°	2448.7	2922.6	3445.8	3983.7	4536.0	5092.9	5622.6	6161.6	6680.4	7161.2	7628.1
0°	2383.5	2842.6	3362.2	3869.2	4403.9	4953.7	5463.2	5990.4	6530.1	6984.2	7440.7
-2.5°	2312.5	2746.8	3240.4	3744.8	4261.6	4800.8	5323.2	5823.0	6350.9	6809.7	7276.0
-5°	2232.9	2641.0	3105.8	3604.5	4102.6	4628.2	5160.3	5635.5	6139.9	6593.6	7052.1
-7.5°	2145.9	2526.8	2960.2	3446.9	3921.4	4417.2	4921.1	5378.3	5868.6	6317.4	6764.1
-10°	2054.1	2414.1	2818.7	3268.8	3716.1	4178.3	4651.7	5099.3	5570.7	6017.7	6447.5
-12.5°	1966.1	2303.0	2672.8	3082.1	3499.6	3926.6	4366.8	4799.0	5246.2	5695.3	6097.2
-15°	1873.9	2186.3	2522.2	2889.0	3273.4	3664.2	4068.6	4477.6	4897.2	5336.6	5707.9
-17.5°	1778.6	2065.0	2368.4	2691.7	3039.4	3393.2	3765.0	4159.7	4543.8	4944.0	5303.0
-20°	1680.9	1940.1	2213.3	2491.9	2800.9	3140.1	3487.9	3842.1	4191.1	4539.7	4876.8



REPORT NUMBER: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1582.0	1812.5	2061.2	2306.3	2600.2	2906.5	3211.6	3519.2	3832.2	4132.3	4451.2
-25°	1486.4	1694.1	1913.8	2152.0	2404.3	2674.3	2936.5	3196.5	3474.0	3755.4	4029.9
-27.5°	1394.3	1577.5	1784.9	1997.4	2207.6	2447.9	2677.3	2897.7	3140.0	3388.1	3609.9
-30°	1301.9	1476.0	1657.5	1846.2	2031.0	2231.7	2430.0	2623.3	2820.7	3033.2	3225.3
-32.5°	1216.3	1375.2	1540.4	1705.7	1862.6	2018.2	2201.6	2373.3	2534.8	2686.2	2853.9
-35°	1138.1	1283.7	1427.3	1569.8	1699.1	1835.9	1989.3	2133.9	2263.5	2385.1	2513.2
-37.5°	1064.2	1193.9	1314.9	1442.2	1557.1	1674.3	1787.1	1912.3	2017.4	2114.6	2219.7
-40°	990.1	1106.1	1215.1	1321.4	1426.7	1524.7	1620.9	1706.1	1790.6	1884.0	1956.4
-42.5°	917.2	1024.9	1122.4	1204.1	1303.4	1387.8	1462.5	1533.1	1602.2	1675.1	1733.0
-45°	852.9	944.6	1033.5	1111.7	1186.2	1258.1	1321.6	1377.0	1442.5	1493.0	1536.8
-47.5°	788.0	867.4	948.7	1020.9	1083.2	1141.6	1188.8	1244.5	1298.1	1341.5	1367.1
-50°	724.1	796.8	865.6	932.8	989.3	1036.2	1076.9	1122.7	1167.3	1204.2	1228.5
-52.5°	665.2	725.9	789.7	847.0	899.0	941.0	979.8	1019.7	1052.3	1077.6	1109.5
-55°	607.0	663.0	716.2	767.6	812.1	850.6	888.6	924.0	952.0	973.8	1000.1
-57.5°	552.4	602.9	649.3	692.5	732.4	765.5	802.5	832.7	858.8	879.2	906.4
-60°	499.2	544.3	586.6	624.1	656.9	689.5	719.7	747.5	770.2	790.5	815.4
-62.5°	446.3	487.0	525.1	559.7	589.4	616.4	643.6	667.3	686.3	707.3	727.9
-65°	396.7	431.1	464.4	495.9	524.0	549.7	572.2	591.3	609.1	627.8	644.4
-67.5°	347.3	379.3	407.3	432.3	458.3	483.2	504.0	521.6	536.6	551.8	565.7
-70°	303.0	328.5	354.0	376.5	396.4	417.2	437.4	454.0	467.3	479.2	490.6
-72.5°	259.4	282.0	303.1	322.5	340.6	357.2	373.2	388.2	400.6	410.0	418.1
-75°	218.2	235.7	253.9	270.9	285.5	298.5	310.6	322.7	332.8	340.8	347.4
-77.5°	178.6	193.4	207.3	220.3	230.9	241.1	250.6	259.4	267.1	273.2	277.7
-80°	140.3	150.9	162.2	172.9	181.1	188.0	194.0	199.2	205.0	210.8	216.0
-82.5°	104.4	112.1	119.6	126.8	132.5	137.3	141.5	145.5	149.6	153.4	156.8
-85°	68.7	73.1	77.7	82.1	86.4	90.2	93.5	96.3	98.6	100.5	102.1
-87.5°	34.4	36.6	38.6	40.5	42.6	44.6	46.4	48.2	49.3	50.3	51.1
-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: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-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°	39.2	39.4	39.3	39.2	38.9	37.3	35.6	33.7	31.7	32.6	33.5
85°	115.6	116.1	115.7	114.6	112.7	112.6	112.2	111.4	110.4	112.1	113.5
82.5°	217.7	219.3	219.5	218.4	216.2	217.2	217.6	217.1	215.9	217.4	218.3
80°	340.2	343.3	343.5	341.2	336.5	337.2	337.5	336.6	334.3	334.9	334.7
77.5°	484.5	492.0	494.6	493.5	488.9	487.5	484.2	477.6	467.9	467.7	468.0
75°	668.7	676.4	680.3	680.0	675.6	672.7	668.5	660.9	650.1	649.6	649.7
72.5°	872.0	883.2	888.2	892.8	892.8	891.1	885.6	874.3	857.6	855.6	857.6
70°	1096.5	1115.4	1127.4	1136.5	1143.8	1145.4	1141.8	1132.6	1118.0	1114.1	1113.0
67.5°	1346.5	1376.8	1399.6	1414.8	1429.2	1439.5	1443.4	1439.2	1427.4	1423.4	1425.0
65°	1626.7	1673.4	1711.8	1740.6	1760.0	1773.7	1785.6	1792.7	1794.4	1798.6	1804.2
62.5°	1954.1	2011.3	2064.9	2101.4	2120.1	2133.4	2171.8	2193.9	2200.3	2201.7	2210.2
60°	2319.7	2392.0	2458.8	2512.4	2555.8	2588.5	2621.3	2642.9	2651.0	2652.6	2664.3
57.5°	2719.4	2810.2	2888.4	2971.5	3029.4	3063.0	3106.7	3151.7	3175.3	3182.0	3209.7
55°	3161.6	3285.6	3387.0	3475.8	3556.7	3627.8	3688.0	3734.5	3768.8	3789.5	3826.2
52.5°	3650.6	3796.3	3902.3	4006.6	4122.6	4204.4	4257.9	4343.8	4405.9	4440.2	4483.9
50°	4187.5	4349.8	4494.3	4603.7	4738.6	4850.3	4931.7	5013.0	5069.9	5102.5	5144.9
47.5°	4798.7	4998.6	5166.3	5267.7	5424.3	5555.9	5608.9	5670.3	5777.6	5829.1	5874.4
45°	5486.9	5741.9	5928.2	6086.8	6221.5	6369.0	6465.7	6535.4	6641.1	6694.1	6727.5
42.5°	6305.7	6589.4	6834.8	7025.2	7138.4	7329.8	7469.5	7508.7	7658.3	7759.9	7789.7
40°	7224.0	7538.5	7862.1	8079.2	8261.5	8455.8	8686.2	8814.5	8941.0	9040.5	9063.0
37.5°	8181.0	8601.9	8971.3	9251.6	9552.9	9839.7	10083.8	10216.9	10299.9	10490.3	10561.3
35°	9153.8	9588.2	10105.7	10541.2	10906.3	11260.4	11538.9	11758.2	11967.1	12138.4	12241.1
32.5°	9982.2	10449.7	11088.6	11740.6	12134.9	12518.3	12975.8	13226.8	13505.4	13731.2	13896.1
30°	10663.0	11107.4	11689.1	12507.4	13047.1	13435.8	14014.8	14361.8	14665.3	15047.9	15181.1
27.5°	10695.2	11389.9	11904.3	12609.0	13419.0	13813.5	14242.0	14872.7	15064.0	15609.6	15688.3
25°	10414.5	11143.9	11672.5	12260.7	12934.2	13414.1	13805.4	14329.9	14604.4	14955.3	15224.8
22.5°	9975.4	10618.2	11157.4	11656.3	12181.8	12618.8	12976.5	13345.1	13646.4	13918.7	14171.6
20°	9490.5	10100.7	10612.0	11041.0	11457.5	11862.5	12184.3	12493.9	12754.5	12988.2	13132.1
17.5°	9149.0	9588.0	10110.5	10549.9	10911.0	11228.9	11561.7	11820.9	12049.5	12259.8	12391.4
15°	8915.8	9333.3	9705.3	10108.5	10489.0	10792.1	11042.7	11310.1	11507.7	11688.8	11831.3
12.5°	8673.8	9104.0	9493.2	9829.0	10127.0	10458.0	10725.8	10936.1	11143.4	11285.6	11432.0
10°	8471.6	8874.1	9277.9	9632.5	9946.0	10218.7	10472.3	10708.2	10894.2	11053.7	11169.0
7.5°	8354.3	8749.0	9111.9	9452.1	9757.7	10048.3	10309.9	10526.2	10710.5	10875.5	10996.4
5°	8218.3	8608.9	8971.2	9318.9	9612.4	9891.7	10152.2	10374.6	10565.5	10712.5	10828.2
2.5°	8062.3	8447.6	8809.1	9162.5	9455.9	9725.2	9971.7	10188.7	10387.5	10527.6	10626.1
0°	7884.6	8270.5	8623.6	8956.6	9251.7	9541.7	9768.7	9988.2	10182.4	10321.1	10419.5
-2.5°	7705.4	8088.9	8454.4	8773.4	9066.4	9334.1	9575.8	9783.0	9968.5	10106.6	10193.0
-5°	7467.1	7848.3	8209.0	8530.5	8836.5	9105.3	9340.2	9551.0	9729.7	9880.2	9997.3
-7.5°	7178.6	7564.1	7924.4	8252.6	8557.2	8811.2	9036.8	9249.2	9439.9	9604.4	9748.5
-10°	6861.4	7242.6	7583.1	7890.5	8174.3	8432.5	8672.5	8882.3	9057.1	9218.2	9339.5
-12.5°	6492.0	6845.0	7178.0	7481.0	7758.4	8017.0	8245.2	8445.1	8621.0	8763.8	8873.2
-15°	6084.3	6419.4	6734.9	7044.6	7335.0	7589.7	7790.5	8001.1	8153.5	8292.1	8390.6
-17.5°	5648.2	5972.1	6303.9	6614.4	6882.5	7133.8	7354.7	7547.2	7707.2	7834.3	7945.4
-20°	5206.2	5536.2	5855.4	6151.3	6409.2	6642.1	6865.8	7050.7	7214.7	7353.0	7483.3



REPORT NUMBER: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4762.2	5064.9	5364.6	5654.1	5897.9	6118.2	6314.0	6490.9	6635.7	6798.7	6913.7
-25°	4306.1	4571.4	4842.1	5097.8	5328.4	5544.8	5722.3	5877.4	6028.3	6185.7	6297.8
-27.5°	3847.9	4082.4	4302.3	4528.5	4730.6	4918.1	5082.8	5218.6	5365.0	5470.1	5593.4
-30°	3394.8	3607.5	3790.8	3948.3	4138.2	4299.1	4427.3	4562.1	4683.1	4783.5	4887.5
-32.5°	3011.1	3156.5	3302.9	3434.5	3560.9	3693.1	3796.4	3914.1	3997.1	4083.6	4167.5
-35°	2642.3	2754.3	2851.6	2974.6	3069.3	3141.3	3227.5	3313.8	3347.0	3441.1	3491.2
-37.5°	2308.3	2381.8	2472.6	2558.3	2628.6	2682.4	2759.1	2804.4	2828.2	2889.0	2921.6
-40°	2022.4	2068.8	2153.6	2212.1	2254.4	2293.5	2357.2	2386.6	2419.2	2449.4	2450.3
-42.5°	1771.0	1830.7	1888.1	1934.2	1960.8	2005.4	2035.4	2038.7	2080.8	2107.7	2111.9
-45°	1565.3	1626.0	1671.5	1705.3	1731.9	1770.3	1789.6	1800.4	1834.8	1853.0	1861.0
-47.5°	1407.3	1449.7	1489.1	1515.2	1550.2	1578.6	1592.7	1610.8	1637.1	1653.9	1665.9
-50°	1268.4	1302.1	1332.0	1355.9	1390.8	1416.0	1429.6	1451.8	1471.4	1483.6	1493.0
-52.5°	1146.3	1176.2	1197.1	1220.3	1249.2	1271.5	1288.8	1310.8	1327.2	1337.9	1346.2
-55°	1031.9	1060.1	1080.4	1105.7	1126.3	1141.4	1156.1	1177.6	1193.7	1204.5	1211.7
-57.5°	931.0	952.2	972.1	995.0	1014.7	1031.0	1044.2	1056.0	1066.6	1075.5	1082.5
-60°	836.5	853.7	872.0	889.9	904.8	916.5	930.6	941.4	948.2	952.5	958.2
-62.5°	745.6	761.1	777.2	791.8	803.6	813.4	824.8	833.7	840.0	844.5	847.9
-65°	659.2	672.6	686.3	698.3	708.6	717.1	725.1	731.4	735.8	739.6	742.6
-67.5°	578.5	589.0	598.6	606.9	614.6	621.9	628.9	633.7	636.3	639.4	642.5
-70°	500.5	508.8	515.2	520.2	524.7	530.5	537.3	542.0	544.7	547.7	550.5
-72.5°	425.1	431.2	436.4	440.5	443.1	446.8	451.4	455.3	458.2	460.5	461.5
-75°	352.5	357.5	362.1	365.3	367.2	369.8	372.2	373.5	373.7	374.7	375.4
-77.5°	281.5	286.5	290.8	293.8	295.7	297.8	299.6	300.5	300.7	300.8	300.2
-80°	219.8	223.2	226.0	228.1	229.5	231.0	231.9	232.1	231.6	232.0	232.2
-82.5°	159.7	162.7	165.2	167.0	168.3	169.8	171.0	171.9	172.5	172.6	172.4
-85°	103.4	104.7	106.1	107.3	108.4	109.1	109.4	109.5	109.2	109.3	109.2
-87.5°	51.7	51.1	50.3	49.3	48.1	48.4	48.6	48.7	48.7	49.2	49.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	34.4	35.2	32.8	30.3	32.8	35.2	34.4	33.5	32.6	31.7	33.7
85°	114.6	115.4	113.4	111.0	113.4	115.4	114.6	113.5	112.1	110.4	111.4
82.5°	218.6	218.2	216.6	214.4	216.6	218.2	218.6	218.3	217.4	215.9	217.1
80°	333.5	331.3	330.0	327.9	330.0	331.3	333.5	334.7	334.9	334.3	336.6
77.5°	466.8	464.3	468.4	471.7	468.4	464.3	466.8	468.0	467.7	467.9	477.6
75°	647.2	642.2	637.4	630.6	637.4	642.2	647.2	649.7	649.6	650.1	660.9
72.5°	856.7	852.8	848.9	842.4	848.9	852.8	856.7	857.6	855.6	857.6	874.3
70°	1106.3	1094.6	1096.6	1097.2	1096.6	1094.6	1106.3	1113.0	1114.1	1118.0	1132.6
67.5°	1420.5	1409.8	1411.2	1409.9	1411.2	1409.8	1420.5	1425.0	1423.4	1427.4	1439.2
65°	1800.8	1788.8	1774.3	1753.0	1774.3	1788.8	1800.8	1804.2	1798.6	1794.4	1792.7
62.5°	2209.1	2198.5	2204.6	2209.5	2204.6	2198.5	2209.1	2210.2	2201.7	2200.3	2193.9
60°	2662.4	2647.6	2640.2	2628.2	2640.2	2647.6	2662.4	2664.3	2652.6	2651.0	2642.9
57.5°	3222.4	3219.7	3213.1	3195.7	3213.1	3219.7	3222.4	3209.7	3182.0	3175.3	3151.7
55°	3843.4	3839.9	3854.2	3871.7	3854.2	3839.9	3843.4	3826.2	3789.5	3768.8	3734.5
52.5°	4516.2	4527.5	4523.4	4499.7	4523.4	4527.5	4516.2	4483.9	4440.2	4405.9	4343.8
50°	5182.2	5194.9	5208.6	5221.1	5208.6	5194.9	5182.2	5144.9	5102.5	5069.9	5013.0
47.5°	5937.0	5970.6	5976.5	5952.5	5976.5	5970.6	5937.0	5874.4	5829.1	5777.6	5670.3
45°	6794.5	6814.8	6825.1	6845.4	6825.1	6814.8	6794.5	6727.5	6694.1	6641.1	6535.4
42.5°	7875.8	7899.2	7902.9	7925.0	7902.9	7899.2	7875.8	7789.7	7759.9	7658.3	7508.7
40°	9159.1	9197.1	9190.5	9181.0	9190.5	9197.1	9159.1	9063.0	9040.5	8941.0	8814.5
37.5°	10661.4	10725.9	10732.7	10772.6	10732.7	10725.9	10661.4	10561.3	10490.3	10299.9	10216.9
35°	12347.3	12423.4	12410.2	12429.7	12410.2	12423.4	12347.3	12241.1	12138.4	11967.1	11758.2
32.5°	14048.0	14162.1	14185.0	14281.1	14185.0	14162.1	14048.0	13896.1	13731.2	13505.4	13226.8
30°	15384.1	15544.0	15648.4	15640.6	15648.4	15544.0	15384.1	15181.1	15047.9	14665.3	14361.8
27.5°	15937.6	16144.8	16338.8	16397.2	16338.8	16144.8	15937.6	15688.3	15609.6	15064.0	14872.7
25°	15397.6	15548.9	15720.2	15812.1	15720.2	15548.9	15397.6	15224.8	14955.3	14604.4	14329.9
22.5°	14287.9	14386.4	14444.7	14397.1	14444.7	14386.4	14287.9	14171.6	13918.7	13646.4	13345.1
20°	13281.1	13405.6	13428.8	13479.0	13428.8	13405.6	13281.1	13132.1	12988.2	12754.5	12493.9
17.5°	12531.6	12613.2	12661.1	12671.9	12661.1	12613.2	12531.6	12391.4	12259.8	12049.5	11820.9
15°	11944.2	12009.6	12052.6	12071.6	12052.6	12009.6	11944.2	11831.3	11688.8	11507.7	11310.1
12.5°	11528.0	11607.7	11646.8	11670.5	11646.8	11607.7	11528.0	11432.0	11285.6	11143.4	10936.1
10°	11261.1	11338.0	11369.0	11380.5	11369.0	11338.0	11261.1	11169.0	11053.7	10894.2	10708.2
7.5°	11069.4	11118.8	11139.7	11156.0	11139.7	11118.8	11069.4	10996.4	10875.5	10710.5	10526.2
5°	10914.8	10954.2	10976.2	10999.6	10976.2	10954.2	10914.8	10828.2	10712.5	10565.5	10374.6
2.5°	10704.3	10760.6	10799.5	10823.0	10799.5	10760.6	10704.3	10626.1	10527.6	10387.5	10188.7
0°	10497.7	10550.6	10578.4	10623.8	10578.4	10550.6	10497.7	10419.5	10321.1	10182.4	9988.2
-2.5°	10270.4	10331.7	10404.6	10475.0	10404.6	10331.7	10270.4	10193.0	10106.6	9968.5	9783.0
-5°	10096.6	10177.6	10192.8	10237.9	10192.8	10177.6	10096.6	9997.3	9880.2	9729.7	9551.0
-7.5°	9834.3	9871.3	9934.1	9945.3	9934.1	9871.3	9834.3	9748.5	9604.4	9439.9	9249.2
-10°	9430.2	9490.3	9529.5	9569.5	9529.5	9490.3	9430.2	9339.5	9218.2	9057.1	8882.3
-12.5°	8955.4	9026.0	9089.1	9080.2	9089.1	9026.0	8955.4	8873.2	8763.8	8621.0	8445.1
-15°	8492.8	8561.0	8604.3	8598.4	8604.3	8561.0	8492.8	8390.6	8292.1	8153.5	8001.1
-17.5°	8033.6	8095.8	8158.5	8157.0	8158.5	8095.8	8033.6	7945.4	7834.3	7707.2	7547.2
-20°	7559.5	7612.7	7679.9	7708.0	7679.9	7612.7	7559.5	7483.3	7353.0	7214.7	7050.7



REPORT NUMBER: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7011.2	7079.4	7128.2	7158.2	7128.2	7079.4	7011.2	6913.7	6798.7	6635.7	6490.9
-25°	6372.2	6442.1	6479.2	6492.3	6479.2	6442.1	6372.2	6297.8	6185.7	6028.3	5877.4
-27.5°	5666.1	5744.6	5782.7	5763.4	5782.7	5744.6	5666.1	5593.4	5470.1	5365.0	5218.6
-30°	4942.1	4992.4	4998.3	5042.0	4998.3	4992.4	4942.1	4887.5	4783.5	4683.1	4562.1
-32.5°	4227.7	4261.5	4242.3	4245.0	4242.3	4261.5	4227.7	4167.5	4083.6	3997.1	3914.1
-35°	3522.4	3549.3	3554.6	3604.3	3554.6	3549.3	3522.4	3491.2	3441.1	3347.0	3313.8
-37.5°	2955.3	2966.1	2949.5	2925.8	2949.5	2966.1	2955.3	2921.6	2889.0	2828.2	2804.4
-40°	2474.3	2482.7	2476.6	2464.3	2476.6	2482.7	2474.3	2450.3	2449.4	2419.2	2386.6
-42.5°	2128.3	2128.4	2122.7	2121.2	2122.7	2128.4	2128.3	2111.9	2107.7	2080.8	2038.7
-45°	1872.7	1875.4	1874.9	1874.0	1874.9	1875.4	1872.7	1861.0	1853.0	1834.8	1800.4
-47.5°	1674.4	1674.9	1672.3	1667.2	1672.3	1674.9	1674.4	1665.9	1653.9	1637.1	1610.8
-50°	1498.8	1498.9	1502.3	1508.3	1502.3	1498.9	1498.8	1493.0	1483.6	1471.4	1451.8
-52.5°	1350.6	1350.3	1352.2	1354.5	1352.2	1350.3	1350.6	1346.2	1337.9	1327.2	1310.8
-55°	1214.9	1214.2	1212.3	1208.2	1212.3	1214.2	1214.9	1211.7	1204.5	1193.7	1177.6
-57.5°	1085.1	1083.6	1080.3	1074.5	1080.3	1083.6	1085.1	1082.5	1075.5	1066.6	1056.0
-60°	961.4	961.9	960.3	955.9	960.3	961.9	961.4	958.2	952.5	948.2	941.4
-62.5°	848.7	846.9	846.6	845.0	846.6	846.9	848.7	847.9	844.5	840.0	833.7
-65°	743.1	741.4	741.9	741.5	741.9	741.4	743.1	742.6	739.6	735.8	731.4
-67.5°	643.7	643.1	643.7	643.2	643.7	643.1	643.7	642.5	639.4	636.3	633.7
-70°	552.1	552.3	549.5	544.8	549.5	552.3	552.1	550.5	547.7	544.7	542.0
-72.5°	461.2	459.7	459.8	459.1	459.8	459.7	461.2	461.5	460.5	458.2	455.3
-75°	375.2	374.2	376.5	378.3	376.5	374.2	375.2	375.4	374.7	373.7	373.5
-77.5°	298.7	296.5	298.5	300.1	298.5	296.5	298.7	300.2	300.8	300.7	300.5
-80°	231.9	231.1	230.5	229.5	230.5	231.1	231.9	232.2	232.0	231.6	232.1
-82.5°	171.8	170.8	170.1	169.0	170.1	170.8	171.8	172.4	172.6	172.5	171.9
-85°	108.7	108.1	109.6	111.0	109.6	108.1	108.7	109.2	109.3	109.2	109.5
-87.5°	50.0	50.2	49.1	47.9	49.1	50.2	50.0	49.6	49.2	48.7	48.7
-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: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	35.6	37.3	38.9	39.2	39.3	39.4	39.2	39.0	38.7	38.1	37.5
85°	112.2	112.6	112.7	114.6	115.7	116.1	115.6	113.6	110.9	107.4	103.1
82.5°	217.6	217.2	216.2	218.4	219.5	219.3	217.7	213.3	207.8	200.9	192.7
80°	337.5	337.2	336.5	341.2	343.5	343.3	340.2	332.4	322.3	311.9	301.5
77.5°	484.2	487.5	488.9	493.5	494.6	492.0	484.5	472.8	462.5	449.1	431.4
75°	668.5	672.7	675.6	680.0	680.3	676.4	668.7	654.4	635.6	612.1	580.8
72.5°	885.6	891.1	892.8	892.8	888.2	883.2	872.0	852.9	828.2	797.8	756.3
70°	1141.8	1145.4	1143.8	1136.5	1127.4	1115.4	1096.5	1069.8	1035.6	999.6	948.8
67.5°	1443.4	1439.5	1429.2	1414.8	1399.6	1376.8	1346.5	1308.0	1268.6	1223.6	1155.1
65°	1785.6	1773.7	1760.0	1740.6	1711.8	1673.4	1626.7	1578.1	1526.6	1463.8	1377.4
62.5°	2171.8	2133.4	2120.1	2101.4	2064.9	2011.3	1954.1	1892.4	1815.4	1725.6	1638.7
60°	2621.3	2588.5	2555.8	2512.4	2458.8	2392.0	2319.7	2236.0	2141.3	2041.1	1925.0
57.5°	3106.7	3063.0	3029.4	2971.5	2888.4	2810.2	2719.4	2604.2	2490.5	2374.6	2235.7
55°	3688.0	3627.8	3556.7	3475.8	3387.0	3285.6	3161.6	3027.0	2888.0	2728.3	2580.3
52.5°	4257.9	4204.4	4122.6	4006.6	3902.3	3796.3	3650.6	3492.8	3335.7	3170.2	2962.4
50°	4931.7	4850.3	4738.6	4603.7	4494.3	4349.8	4187.5	3996.1	3832.6	3643.2	3414.2
47.5°	5608.9	5555.9	5424.3	5267.7	5166.3	4998.6	4798.7	4584.4	4403.9	4146.3	3896.8
45°	6465.7	6369.0	6221.5	6086.8	5928.2	5741.9	5486.9	5282.1	5040.8	4759.5	4397.9
42.5°	7469.5	7329.8	7138.4	7025.2	6834.8	6589.4	6305.7	6047.8	5746.8	5417.8	5002.5
40°	8686.2	8455.8	8261.5	8079.2	7862.1	7538.5	7224.0	6880.6	6520.8	6116.1	5575.4
37.5°	10083.8	9839.7	9552.9	9251.6	8971.3	8601.9	8181.0	7776.6	7344.0	6735.3	6118.9
35°	11538.9	11260.4	10906.3	10541.2	10105.7	9588.2	9153.8	8677.0	8086.3	7296.3	6621.8
32.5°	12975.8	12518.3	12134.9	11740.6	11088.6	10449.7	9982.2	9558.5	8555.4	7740.3	7063.6
30°	14014.8	13435.8	13047.1	12507.4	11689.1	11107.4	10663.0	9783.4	8849.8	8049.9	7407.6
27.5°	14242.0	13813.5	13419.0	12609.0	11904.3	11389.9	10695.2	9798.6	8949.7	8197.0	7575.2
25°	13805.4	13414.1	12934.2	12260.7	11672.5	11143.9	10414.5	9602.4	8840.6	8177.0	7479.1
22.5°	12976.5	12618.8	12181.8	11656.3	11157.4	10618.2	9975.4	9271.6	8616.2	7995.0	7319.4
20°	12184.3	11862.5	11457.5	11041.0	10612.0	10100.7	9490.5	8915.1	8381.7	7780.2	7127.6
17.5°	11561.7	11228.9	10911.0	10549.9	10110.5	9588.0	9149.0	8674.8	8147.9	7550.2	6908.7
15°	11042.7	10792.1	10489.0	10108.5	9705.3	9333.3	8915.8	8431.0	7905.9	7301.7	6704.4
12.5°	10725.8	10458.0	10127.0	9829.0	9493.2	9104.0	8673.8	8179.2	7677.2	7171.2	6635.6
10°	10472.3	10218.7	9946.0	9632.5	9277.9	8874.1	8471.6	8041.8	7574.3	7077.6	6547.5
7.5°	10309.9	10048.3	9757.7	9452.1	9111.9	8749.0	8354.3	7926.6	7454.6	6958.9	6439.1
5°	10152.2	9891.7	9612.4	9318.9	8971.2	8608.9	8218.3	7789.4	7315.5	6815.3	6309.3
2.5°	9971.7	9725.2	9455.9	9162.5	8809.1	8447.6	8062.3	7628.1	7161.2	6680.4	6161.6
0°	9768.7	9541.7	9251.7	8956.6	8623.6	8270.5	7884.6	7440.7	6984.2	6530.1	5990.4
-2.5°	9575.8	9334.1	9066.4	8773.4	8454.4	8088.9	7705.4	7276.0	6809.7	6350.9	5823.0
-5°	9340.2	9105.3	8836.5	8530.5	8209.0	7848.3	7467.1	7052.1	6593.6	6139.9	5635.5
-7.5°	9036.8	8811.2	8557.2	8252.6	7924.4	7564.1	7178.6	6764.1	6317.4	5868.6	5378.3
-10°	8672.5	8432.5	8174.3	7890.5	7583.1	7242.6	6861.4	6447.5	6017.7	5570.7	5099.3
-12.5°	8245.2	8017.0	7758.4	7481.0	7178.0	6845.0	6492.0	6097.2	5695.3	5246.2	4799.0
-15°	7790.5	7589.7	7335.0	7044.6	6734.9	6419.4	6084.3	5707.9	5336.6	4897.2	4477.6
-17.5°	7354.7	7133.8	6882.5	6614.4	6303.9	5972.1	5648.2	5303.0	4944.0	4543.8	4159.7
-20°	6865.8	6642.1	6409.2	6151.3	5855.4	5536.2	5206.2	4876.8	4539.7	4191.1	3842.1



REPORT NUMBER: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6314.0	6118.2	5897.9	5654.1	5364.6	5064.9	4762.2	4451.2	4132.3	3832.2	3519.2
-25°	5722.3	5544.8	5328.4	5097.8	4842.1	4571.4	4306.1	4029.9	3755.4	3474.0	3196.5
-27.5°	5082.8	4918.1	4730.6	4528.5	4302.3	4082.4	3847.9	3609.9	3388.1	3140.0	2897.7
-30°	4427.3	4299.1	4138.2	3948.3	3790.8	3607.5	3394.8	3225.3	3033.2	2820.7	2623.3
-32.5°	3796.4	3693.1	3560.9	3434.5	3302.9	3156.5	3011.1	2853.9	2686.2	2534.8	2373.3
-35°	3227.5	3141.3	3069.3	2974.6	2851.6	2754.3	2642.3	2513.2	2385.1	2263.5	2133.9
-37.5°	2759.1	2682.4	2628.6	2558.3	2472.6	2381.8	2308.3	2219.7	2114.6	2017.4	1912.3
-40°	2357.2	2293.5	2254.4	2212.1	2153.6	2068.8	2022.4	1956.4	1884.0	1790.6	1706.1
-42.5°	2035.4	2005.4	1960.8	1934.2	1888.1	1830.7	1771.0	1733.0	1675.1	1602.2	1533.1
-45°	1789.6	1770.3	1731.9	1705.3	1671.5	1626.0	1565.3	1536.8	1493.0	1442.5	1377.0
-47.5°	1592.7	1578.6	1550.2	1515.2	1489.1	1449.7	1407.3	1367.1	1341.5	1298.1	1244.5
-50°	1429.6	1416.0	1390.8	1355.9	1332.0	1302.1	1268.4	1228.5	1204.2	1167.3	1122.7
-52.5°	1288.8	1271.5	1249.2	1220.3	1197.1	1176.2	1146.3	1109.5	1077.6	1052.3	1019.7
-55°	1156.1	1141.4	1126.3	1105.7	1080.4	1060.1	1031.9	1000.1	973.8	952.0	924.0
-57.5°	1044.2	1031.0	1014.7	995.0	972.1	952.2	931.0	906.4	879.2	858.8	832.7
-60°	930.6	916.5	904.8	889.9	872.0	853.7	836.5	815.4	790.5	770.2	747.5
-62.5°	824.8	813.4	803.6	791.8	777.2	761.1	745.6	727.9	707.3	686.3	667.3
-65°	725.1	717.1	708.6	698.3	686.3	672.6	659.2	644.4	627.8	609.1	591.3
-67.5°	628.9	621.9	614.6	606.9	598.6	589.0	578.5	565.7	551.8	536.6	521.6
-70°	537.3	530.5	524.7	520.2	515.2	508.8	500.5	490.6	479.2	467.3	454.0
-72.5°	451.4	446.8	443.1	440.5	436.4	431.2	425.1	418.1	410.0	400.6	388.2
-75°	372.2	369.8	367.2	365.3	362.1	357.5	352.5	347.4	340.8	332.8	322.7
-77.5°	299.6	297.8	295.7	293.8	290.8	286.5	281.5	277.7	273.2	267.1	259.4
-80°	231.9	231.0	229.5	228.1	226.0	223.2	219.8	216.0	210.8	205.0	199.2
-82.5°	171.0	169.8	168.3	167.0	165.2	162.7	159.7	156.8	153.4	149.6	145.5
-85°	109.4	109.1	108.4	107.3	106.1	104.7	103.4	102.1	100.5	98.6	96.3
-87.5°	48.6	48.4	48.1	49.3	50.3	51.1	51.7	51.1	50.3	49.3	48.2
-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: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	36.7	35.7	34.5	33.3	32.5	31.5	30.3	28.8	26.3	23.7	21.0
85°	97.8	91.8	85.1	77.7	70.6	63.1	60.6	57.5	52.6	47.4	42.0
82.5°	182.6	173.7	164.5	154.2	143.0	131.0	118.3	104.8	88.3	72.5	63.0
80°	288.2	273.4	257.2	239.4	219.8	198.8	181.5	162.6	139.3	116.7	95.1
77.5°	408.4	383.4	356.3	333.1	309.1	283.1	255.1	223.6	189.7	160.6	132.5
75°	542.3	510.8	478.3	442.9	405.4	367.4	334.3	295.7	249.8	205.0	169.5
72.5°	709.0	660.1	609.7	557.9	512.9	466.5	418.8	366.6	312.7	260.0	208.7
70°	887.4	820.0	756.7	694.4	629.5	565.5	510.1	445.5	374.7	314.0	255.2
67.5°	1077.4	1003.8	923.3	835.0	756.9	681.1	603.4	525.2	445.9	367.2	300.8
65°	1293.1	1200.1	1099.6	1002.6	899.2	797.9	710.9	607.7	515.6	428.7	345.3
62.5°	1530.3	1408.8	1299.5	1177.6	1056.6	937.1	814.8	698.5	586.1	488.8	394.9
60°	1799.0	1665.8	1512.2	1375.8	1229.9	1083.4	938.1	786.4	663.7	547.3	445.7
57.5°	2094.6	1938.0	1773.8	1593.3	1422.1	1248.7	1061.1	886.8	738.5	610.8	494.5
55°	2403.6	2227.6	2042.1	1843.6	1632.1	1432.1	1190.5	989.6	814.2	673.6	539.8
52.5°	2749.6	2539.2	2325.2	2101.5	1868.6	1610.1	1334.2	1086.5	899.0	733.6	588.0
50°	3148.3	2885.2	2631.2	2374.0	2108.3	1797.3	1468.4	1202.4	978.6	794.2	633.8
47.5°	3603.1	3283.6	2968.9	2660.2	2366.3	1971.3	1616.2	1312.9	1052.8	858.8	676.5
45°	4073.9	3722.1	3340.9	2983.8	2575.8	2147.3	1760.3	1414.7	1142.4	915.1	715.8
42.5°	4546.7	4165.9	3756.8	3310.3	2791.1	2314.0	1891.7	1529.1	1225.0	966.8	757.1
40°	5071.7	4608.2	4171.5	3613.6	2986.8	2465.7	2027.0	1636.4	1299.3	1018.9	798.4
37.5°	5572.4	5059.9	4579.8	3845.0	3165.9	2621.0	2150.6	1732.4	1367.3	1075.2	835.9
35°	6039.8	5497.7	4785.5	4033.3	3343.5	2752.4	2260.1	1822.9	1439.5	1124.8	869.6
32.5°	6466.0	5778.3	4943.3	4180.1	3484.4	2859.7	2359.3	1903.5	1501.3	1167.6	899.3
30°	6756.6	5883.3	5051.6	4286.3	3589.4	2963.6	2440.2	1970.4	1552.7	1203.7	927.0
27.5°	6772.0	5932.0	5109.6	4352.5	3661.7	3039.8	2501.6	2023.5	1593.7	1237.3	955.8
25°	6718.9	5910.6	5118.1	4377.1	3700.0	3102.3	2548.6	2063.4	1631.5	1270.0	979.2
22.5°	6594.8	5834.5	5079.5	4360.5	3742.0	3145.3	2587.7	2097.5	1661.9	1294.6	997.4
20°	6437.9	5710.9	5014.7	4376.7	3763.1	3172.9	2616.9	2119.5	1681.7	1311.3	1010.6
17.5°	6245.8	5612.7	5003.8	4373.7	3763.1	3181.0	2630.2	2129.7	1691.0	1320.4	1018.9
15°	6157.5	5574.2	4971.0	4350.3	3742.4	3170.4	2627.8	2128.3	1690.4	1322.3	1024.6
12.5°	6086.5	5513.7	4917.7	4306.8	3701.7	3141.7	2610.4	2115.7	1680.3	1322.3	1028.9
10°	5996.6	5431.2	4844.0	4243.2	3641.8	3095.8	2578.7	2096.5	1675.2	1320.1	1029.2
7.5°	5887.1	5326.9	4750.0	4160.0	3569.8	3044.5	2546.2	2075.0	1664.6	1312.3	1025.6
5°	5760.1	5211.8	4649.0	4080.3	3514.9	2990.2	2503.2	2043.2	1646.9	1299.3	1018.4
2.5°	5622.6	5092.9	4536.0	3983.7	3445.8	2922.6	2448.7	2001.9	1622.4	1281.2	1007.7
0°	5463.2	4953.7	4403.9	3869.2	3362.2	2842.6	2383.5	1952.2	1591.5	1258.6	993.8
-2.5°	5323.2	4800.8	4261.6	3744.8	3240.4	2746.8	2312.5	1902.2	1557.2	1236.3	979.2
-5°	5160.3	4628.2	4102.6	3604.5	3105.8	2641.0	2232.9	1845.7	1517.5	1210.2	961.7
-7.5°	4921.1	4417.2	3921.4	3446.9	2960.2	2526.8	2145.9	1783.5	1472.9	1180.4	941.6
-10°	4651.7	4178.3	3716.1	3268.8	2818.7	2414.1	2054.1	1716.5	1423.8	1147.3	919.0
-12.5°	4366.8	3926.6	3499.6	3082.1	2672.8	2303.0	1966.1	1650.6	1371.6	1111.3	894.2
-15°	4068.6	3664.2	3273.4	2889.0	2522.2	2186.3	1873.9	1583.4	1320.1	1074.3	867.3
-17.5°	3765.0	3393.2	3039.4	2691.7	2368.4	2065.0	1778.6	1512.8	1265.8	1037.4	840.5
-20°	3487.9	3140.1	2800.9	2491.9	2213.3	1940.1	1680.9	1439.3	1209.1	998.4	813.3



REPORT NUMBER: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3211.6	2906.5	2600.2	2306.3	2061.2	1812.5	1582.0	1363.5	1150.5	957.7	784.2
-25°	2936.5	2674.3	2404.3	2152.0	1913.8	1694.1	1486.4	1285.9	1090.4	915.6	753.4
-27.5°	2677.3	2447.9	2207.6	1997.4	1784.9	1577.5	1394.3	1212.2	1032.2	872.4	720.9
-30°	2430.0	2231.7	2031.0	1846.2	1657.5	1476.0	1301.9	1138.8	979.0	830.5	686.9
-32.5°	2201.6	2018.2	1862.6	1705.7	1540.4	1375.2	1216.3	1065.7	925.6	788.8	655.2
-35°	1989.3	1835.9	1699.1	1569.8	1427.3	1283.7	1138.1	993.4	872.3	745.9	623.9
-37.5°	1787.1	1674.3	1557.1	1442.2	1314.9	1193.9	1064.2	933.6	819.1	701.9	591.9
-40°	1620.9	1524.7	1426.7	1321.4	1215.1	1106.1	990.1	877.0	767.3	656.9	559.5
-42.5°	1462.5	1387.8	1303.4	1204.1	1122.4	1024.9	917.2	819.4	717.3	616.4	526.6
-45°	1321.6	1258.1	1186.2	1111.7	1033.5	944.6	852.9	761.3	667.2	578.3	494.7
-47.5°	1188.8	1141.6	1083.2	1020.9	948.7	867.4	788.0	705.9	617.1	540.3	464.2
-50°	1076.9	1036.2	989.3	932.8	865.6	796.8	724.1	650.7	575.1	502.7	433.0
-52.5°	979.8	941.0	899.0	847.0	789.7	725.9	665.2	596.6	532.2	466.3	401.3
-55°	888.6	850.6	812.1	767.6	716.2	663.0	607.0	548.6	488.6	430.0	369.6
-57.5°	802.5	765.5	732.4	692.5	649.3	602.9	552.4	500.0	446.9	393.2	341.3
-60°	719.7	689.5	656.9	624.1	586.6	544.3	499.2	452.1	405.5	356.8	312.7
-62.5°	643.6	616.4	589.4	559.7	525.1	487.0	446.3	406.3	363.5	324.1	283.7
-65°	572.2	549.7	524.0	495.9	464.4	431.1	396.7	360.2	325.7	291.0	254.5
-67.5°	504.0	483.2	458.3	432.3	407.3	379.3	347.3	318.0	288.7	257.5	225.8
-70°	437.4	417.2	396.4	376.5	354.0	328.5	303.0	277.4	251.4	225.5	196.8
-72.5°	373.2	357.2	340.6	322.5	303.1	282.0	259.4	237.3	216.6	193.4	167.7
-75°	310.6	298.5	285.5	270.9	253.9	235.7	218.2	200.2	181.8	161.2	141.9
-77.5°	250.6	241.1	230.9	220.3	207.3	193.4	178.6	163.1	148.1	133.1	117.1
-80°	194.0	188.0	181.1	172.9	162.2	150.9	140.3	129.3	117.8	105.4	92.3
-82.5°	141.5	137.3	132.5	126.8	119.6	112.1	104.4	96.5	87.3	77.6	68.1
-85°	93.5	90.2	86.4	82.1	77.7	73.1	68.7	63.9	57.9	51.7	45.5
-87.5°	46.4	44.6	42.6	40.5	38.6	36.6	34.4	32.0	29.0	25.9	22.8
-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: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-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°	18.3	15.4	12.5	9.5	6.4	3.1	0.0
85°	36.5	30.8	24.9	18.9	12.7	6.3	0.0
82.5°	54.7	46.1	37.3	28.3	19.1	9.4	0.0
80°	74.4	61.4	49.7	37.7	25.3	12.5	0.0
77.5°	105.7	80.1	62.0	47.0	31.6	15.5	0.0
75°	136.6	105.0	75.4	56.2	37.8	18.6	0.0
72.5°	166.9	129.6	94.5	65.3	43.8	21.6	0.0
70°	197.9	153.7	113.2	75.2	49.8	24.5	0.0
67.5°	235.7	177.3	131.5	88.5	55.7	27.5	0.0
65°	272.5	203.5	149.4	101.6	61.5	30.3	0.0
62.5°	308.1	232.1	166.9	114.3	67.2	33.1	0.0
60°	342.3	259.7	183.8	126.7	72.7	35.8	0.0
57.5°	381.1	286.2	204.1	138.7	80.5	38.5	0.0
55°	418.7	311.5	223.8	150.3	88.1	41.1	0.0
52.5°	454.3	336.4	242.7	161.5	95.4	43.6	0.0
50°	487.9	363.7	260.6	172.2	102.5	46.0	0.0
47.5°	519.8	389.4	277.6	183.0	109.3	48.3	0.0
45°	553.2	413.3	293.6	194.9	115.9	50.5	0.0
42.5°	583.9	435.5	308.5	206.2	122.1	52.7	0.0
40°	611.9	455.8	323.7	216.9	128.0	54.7	0.0
37.5°	637.2	474.3	338.9	227.0	133.6	56.6	0.0
35°	659.7	492.8	352.7	236.5	138.9	58.4	0.0
32.5°	681.4	510.1	365.2	245.3	143.9	60.1	0.0
30°	704.6	525.3	376.4	253.4	148.4	61.7	0.0
27.5°	724.7	538.4	386.9	260.8	152.7	63.1	0.0
25°	741.7	549.5	396.3	267.6	156.5	64.5	0.0
22.5°	755.5	559.1	404.3	273.6	160.0	65.7	0.0
20°	766.3	568.6	411.0	278.9	163.1	66.7	0.0
17.5°	776.0	576.5	416.5	283.4	165.9	67.7	0.0
15°	783.8	582.7	420.7	287.3	168.2	68.5	0.0
12.5°	788.6	587.3	423.6	290.4	170.2	69.2	0.0
10°	790.5	590.1	425.4	292.8	171.7	69.7	0.0
7.5°	789.6	591.4	425.9	294.4	172.9	70.2	0.0
5°	786.1	590.9	425.4	295.4	173.7	70.4	0.0
2.5°	780.1	588.9	423.8	295.6	174.0	70.6	0.0
0°	771.8	585.2	421.2	295.1	174.0	70.6	0.0
-2.5°	763.0	579.7	419.2	293.8	173.6	70.7	0.0
-5°	752.0	572.6	416.2	291.7	172.8	70.7	0.0
-7.5°	739.1	564.2	412.2	289.1	171.6	70.5	0.0
-10°	724.2	554.5	407.3	285.7	170.0	70.2	0.0
-12.5°	707.6	543.6	401.5	281.7	168.1	69.7	0.0
-15°	689.3	531.5	394.8	277.2	165.9	69.1	0.0
-17.5°	669.4	518.5	387.2	272.0	163.3	68.4	0.0
-20°	648.7	504.5	378.8	266.2	160.3	67.6	0.0



REPORT NUMBER: P559114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	628.0	489.8	369.5	259.9	157.0	66.6	0.0
-25°	606.1	475.0	359.3	253.1	153.5	65.4	0.0
-27.5°	583.0	459.6	348.4	245.7	149.6	64.2	0.0
-30°	558.9	443.2	336.7	237.9	145.4	62.8	0.0
-32.5°	533.9	425.9	324.7	229.6	141.0	61.3	0.0
-35°	510.6	407.7	312.0	220.8	136.3	59.6	0.0
-37.5°	487.4	389.4	298.6	211.6	131.3	57.8	0.0
-40°	463.5	371.8	284.8	202.1	126.1	55.9	0.0
-42.5°	438.7	353.7	270.9	192.1	120.7	53.9	0.0
-45°	413.2	334.9	257.2	181.9	115.0	51.8	0.0
-47.5°	387.0	315.7	243.0	171.2	109.2	49.6	0.0
-50°	363.0	295.9	228.3	161.7	103.1	47.2	0.0
-52.5°	339.0	275.7	213.2	152.3	96.9	44.8	0.0
-55°	314.7	256.2	197.7	142.6	90.4	42.3	0.0
-57.5°	290.0	236.4	181.7	132.7	83.8	39.6	0.0
-60°	265.0	216.2	165.5	122.6	77.1	36.9	0.0
-62.5°	240.6	195.6	151.8	112.2	71.4	34.1	0.0
-65°	215.9	174.7	137.8	101.6	65.4	31.3	0.0
-67.5°	190.8	155.3	123.6	90.8	59.3	28.4	0.0
-70°	165.3	137.5	109.1	79.8	53.1	25.4	0.0
-72.5°	143.5	119.5	94.5	69.9	46.8	22.3	0.0
-75°	121.9	101.2	79.7	60.1	40.3	19.2	0.0
-77.5°	100.2	82.8	66.3	50.3	33.7	16.1	0.0
-80°	78.4	65.8	53.2	40.3	27.1	12.9	0.0
-82.5°	58.6	49.4	40.0	30.3	20.4	9.7	0.0
-85°	39.1	33.0	26.7	20.2	13.6	6.5	0.0
-87.5°	19.6	16.5	13.4	10.1	6.8	3.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)