

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: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-7)
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-NAT-XX
Description: GALLEON FLOOD, FIVE LIGHT SQUARE, NARROW ASYMMETRICAL RECTANGULAR 6x4
Light Source: (80) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

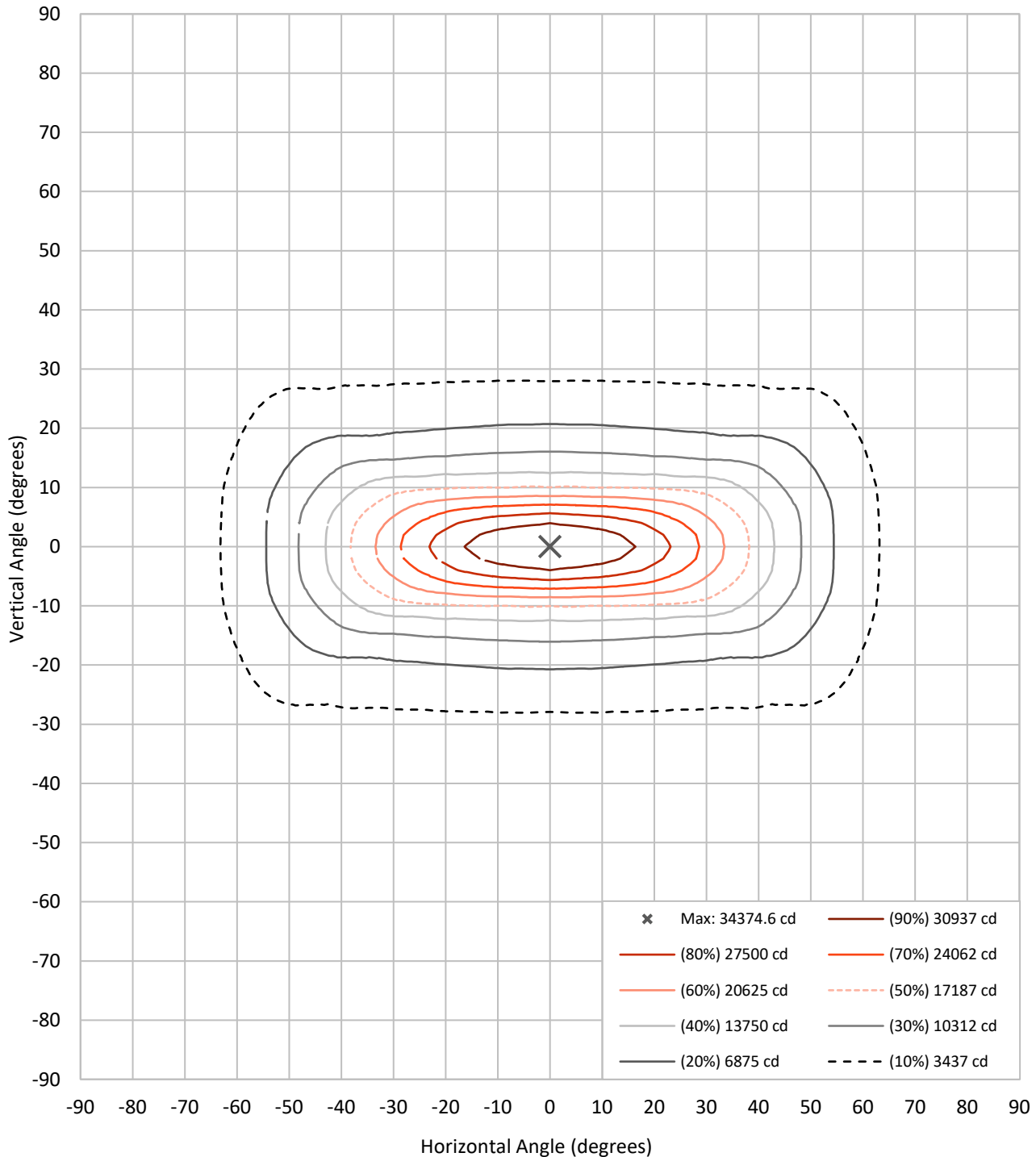
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	24618.5 lumens	Max Intensity:	34374.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	80.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	9849.7 lumens	Field Lumens:	20177.4 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

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-NAT-XX

Iso-Candela Plot





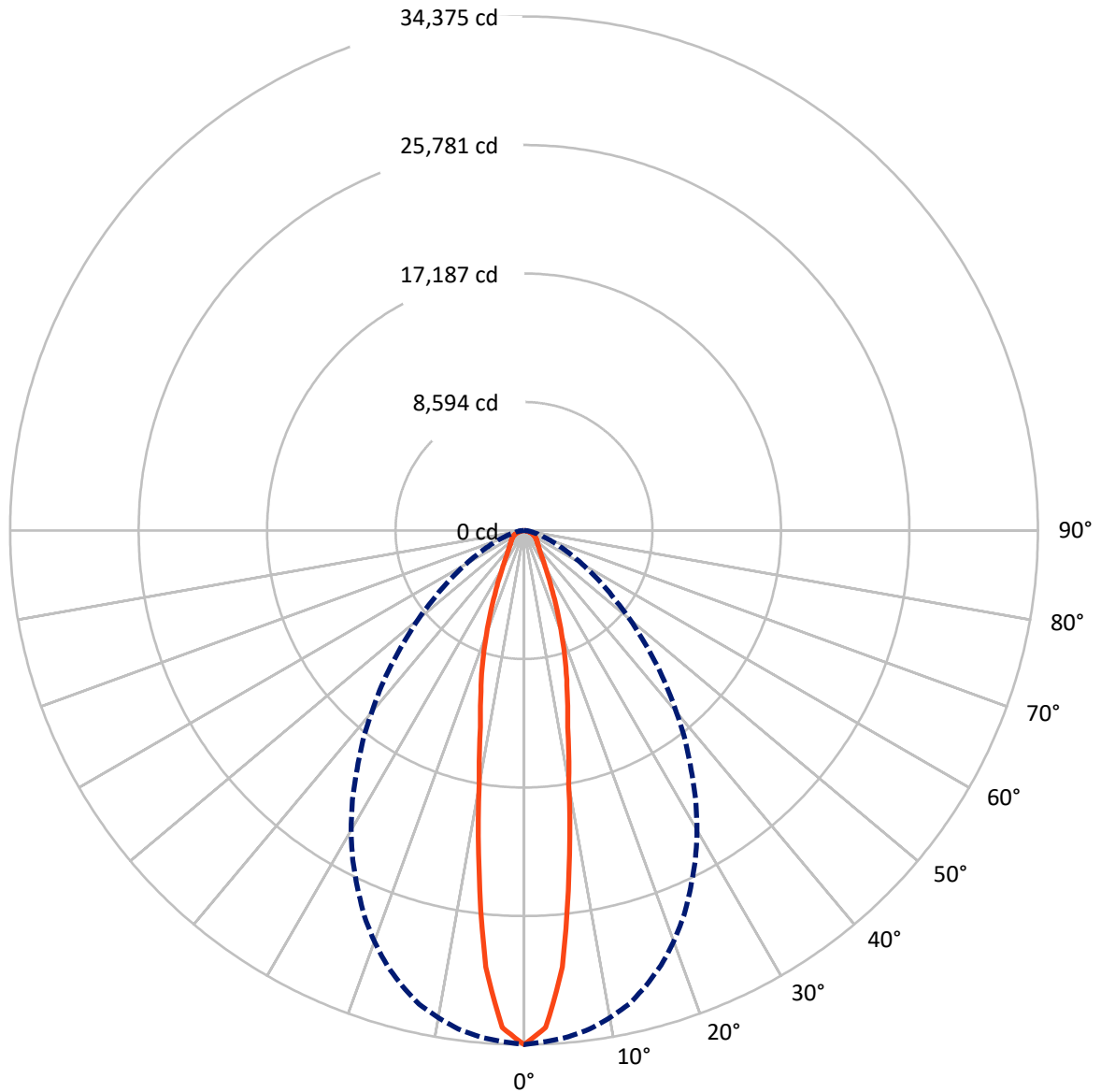
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Lumen Table

90																			
80	1.3	8.5		17.3		25.0		28.2		25.0		17.3		8.5		1.3			
70																			
60	5.3	4.9	8.6	11.8	14.6	17.5	20.0	21.4	21.4	20.0	17.5	14.6	11.8	8.6	4.9	5.3			
50		8.1	14.0	18.8	22.4	25.6	28.5	30.2	30.2	28.5	25.6	22.4	18.8	14.0	8.1				
40	10.6	12.3	21.4	28.3	32.8	36.0	38.7	40.2	40.2	38.7	36.0	32.8	28.3	21.4	12.3	10.6			
30		18.1	34.2	45.2	52.6	58.2	62.1	64.0	64.0	62.1	58.2	52.6	45.2	34.2	18.1				
20	16.2	25.5	58.2	86.7	104.8	121.6	135.4	143.3	143.3	135.4	121.6	104.8	86.7	58.2	25.5	16.2			
10		33.7	89.7	172.7	248.3	295.9	329.5	348.6	348.6	329.5	295.9	248.3	172.7	89.7	33.7				
0	18.6	38.6	115.2	254.4	440.1	624.2	759.7	830.9	830.9	759.7	624.2	440.1	254.4	115.2	38.6	18.6			
-10		38.6	115.2	254.4	440.1	624.2	759.7	830.9	830.9	759.7	624.2	440.1	254.4	115.2	38.6				
-20	16.2	33.7	89.7	172.7	248.3	295.9	329.5	348.6	348.6	329.5	295.9	248.3	172.7	89.7	33.7	16.2			
-30		25.5	58.2	86.7	104.8	121.6	135.4	143.3	143.3	135.4	121.6	104.8	86.7	58.2	25.5				
-40	10.6	18.1	34.2	45.2	52.6	58.2	62.1	64.0	64.0	62.1	58.2	52.6	45.2	34.2	18.1	10.6			
-50		12.3	21.4	28.3	32.8	36.0	38.7	40.2	40.2	38.7	36.0	32.8	28.3	21.4	12.3				
-60	5.3	8.1	14.0	18.8	22.4	25.6	28.5	30.2	30.2	28.5	25.6	22.4	18.8	14.0	8.1	5.3			
-70		4.9	8.6	11.8	14.6	17.5	20.0	21.4	21.4	20.0	17.5	14.6	11.8	8.6	4.9				
-80	1.3	8.5		17.3		25.0		28.2		25.0		17.3		8.5		1.3			
-90																			

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

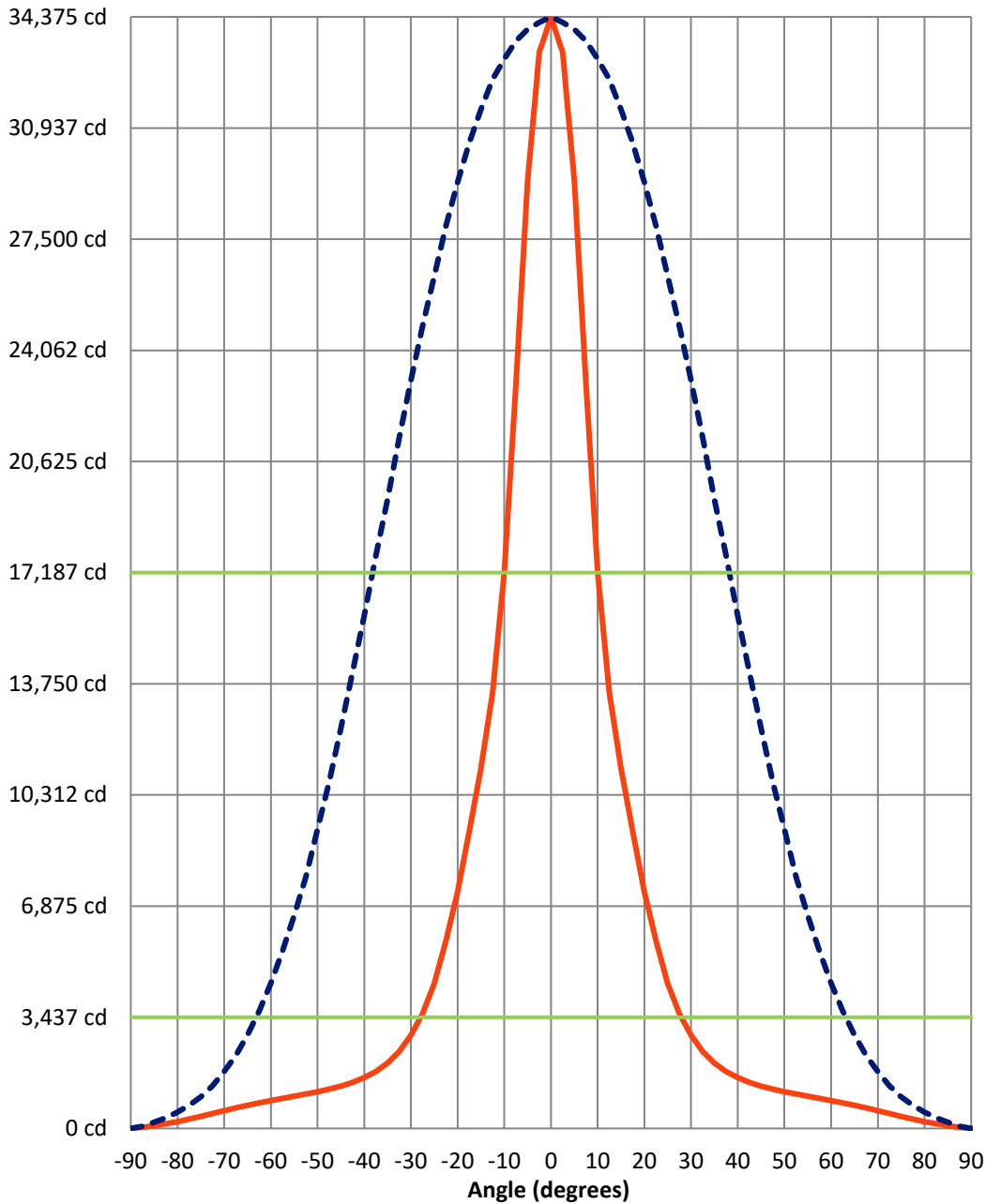
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 76.4°
V Angle: 20°
Lumens: 9849.7
Efficiency: 40.0%

Field:
H Angle: 126.3°
V Angle: 55.8°
Lumens: 20177.4
Efficiency: 82.0%

Spill:
Lumens: 4441.1
Efficiency: 18.0%

— 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	2.9	5.7	8.1	10.3	12.2	13.7	15.6	17.3	18.8	20.2
85°	0.0	5.7	11.4	16.3	20.6	24.3	27.4	31.1	34.5	37.6	40.5
82.5°	0.0	8.6	17.1	24.4	30.9	36.4	41.2	46.6	52.8	62.9	72.1
80°	0.0	11.4	22.8	32.5	41.1	48.6	56.4	71.7	85.9	98.8	110.4
77.5°	0.0	14.2	28.4	40.6	51.3	64.5	83.0	101.6	118.8	134.6	149.5
75°	0.0	17.0	33.9	48.6	63.1	87.3	109.5	131.3	152.2	173.3	191.3
72.5°	0.0	19.7	39.4	56.6	81.9	110.1	135.8	162.1	189.4	213.1	233.2
70°	0.0	22.4	44.8	65.7	100.5	132.7	162.7	196.3	226.7	253.2	279.2
67.5°	0.0	25.1	50.2	79.9	119.0	155.1	193.3	230.3	264.1	298.7	326.7
65°	0.0	27.7	55.4	94.0	137.2	179.4	223.9	264.2	307.2	344.7	377.6
62.5°	0.0	30.3	60.5	107.8	155.3	205.6	254.3	302.2	350.6	392.6	435.5
60°	0.0	32.8	65.5	121.4	173.0	231.6	284.5	341.9	394.1	447.1	493.9
57.5°	0.0	35.2	74.4	134.8	194.0	257.4	318.8	381.6	442.8	501.7	557.1
55°	0.0	37.6	83.1	147.9	214.8	282.8	353.2	421.1	492.7	558.4	623.9
52.5°	0.0	39.9	91.6	160.7	235.2	308.5	387.1	465.4	542.5	622.6	692.4
50°	0.0	42.2	99.8	173.2	255.3	336.6	420.6	510.5	595.1	687.9	773.8
47.5°	0.0	44.3	107.8	186.0	274.9	364.2	454.4	555.8	655.2	754.2	859.5
45°	0.0	46.4	115.5	200.4	294.0	391.1	493.6	601.2	716.6	835.1	948.2
42.5°	0.0	48.4	122.9	214.4	312.7	417.3	532.5	651.4	778.1	918.0	1049.3
40°	0.0	50.2	130.0	227.4	331.9	442.9	571.0	704.6	843.8	1002.4	1155.6
37.5°	0.0	52.0	136.8	239.6	351.5	467.6	609.0	757.2	918.3	1090.9	1265.5
35°	0.0	53.7	143.2	250.9	370.3	495.7	646.5	809.0	992.4	1188.9	1384.4
32.5°	0.0	55.3	149.3	261.5	388.4	525.1	684.9	859.9	1066.1	1288.1	1515.3
30°	0.0	56.8	155.1	271.3	405.5	553.6	725.9	912.3	1138.9	1388.3	1649.3
27.5°	0.0	58.2	160.4	280.4	419.9	581.0	765.5	971.7	1215.1	1488.9	1785.5
25°	0.0	59.5	165.4	288.6	433.0	607.2	803.6	1029.3	1297.4	1598.2	1923.9
22.5°	0.0	60.6	170.0	295.9	445.3	630.7	840.0	1084.9	1378.0	1711.4	2075.2
20°	0.0	61.6	174.2	302.5	456.5	648.6	874.6	1138.2	1456.6	1822.9	2225.1
17.5°	0.0	62.6	177.9	308.2	466.6	664.3	900.7	1188.9	1532.5	1932.0	2372.6
15°	0.0	63.4	181.2	313.1	475.7	677.8	920.1	1228.8	1605.2	2037.6	2516.4
12.5°	0.0	64.0	184.1	317.2	483.6	689.1	936.8	1254.8	1657.3	2138.8	2655.1
10°	0.0	64.6	186.6	320.4	490.3	698.3	950.6	1276.3	1690.6	2186.6	2763.3
7.5°	0.0	65.0	188.6	322.9	495.8	705.4	961.4	1293.3	1717.5	2218.1	2812.3
5°	0.0	65.4	190.1	324.5	500.0	710.3	969.3	1305.8	1737.8	2239.8	2850.3
2.5°	0.0	65.5	191.1	325.3	502.9	713.1	974.2	1313.6	1751.4	2252.0	2876.6
0°	0.0	65.6	191.7	325.4	504.5	713.8	976.1	1316.7	1758.1	2255.0	2890.6
-2.5°	0.0	65.5	191.1	325.3	502.9	713.1	974.2	1313.6	1751.4	2252.0	2876.6
-5°	0.0	65.4	190.1	324.5	500.0	710.3	969.3	1305.8	1737.8	2239.8	2850.3
-7.5°	0.0	65.0	188.6	322.9	495.8	705.4	961.4	1293.3	1717.5	2218.1	2812.3
-10°	0.0	64.6	186.6	320.4	490.3	698.3	950.6	1276.3	1690.6	2186.6	2763.3
-12.5°	0.0	64.0	184.1	317.2	483.6	689.1	936.8	1254.8	1657.3	2138.8	2655.1
-15°	0.0	63.4	181.2	313.1	475.7	677.8	920.1	1228.8	1605.2	2037.6	2516.4
-17.5°	0.0	62.6	177.9	308.2	466.6	664.3	900.7	1188.9	1532.5	1932.0	2372.6
-20°	0.0	61.6	174.2	302.5	456.5	648.6	874.6	1138.2	1456.6	1822.9	2225.1



REPORT NUMBER: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	60.6	170.0	295.9	445.3	630.7	840.0	1084.9	1378.0	1711.4	2075.2
-25°	0.0	59.5	165.4	288.6	433.0	607.2	803.6	1029.3	1297.4	1598.2	1923.9
-27.5°	0.0	58.2	160.4	280.4	419.9	581.0	765.5	971.7	1215.1	1488.9	1785.5
-30°	0.0	56.8	155.1	271.3	405.5	553.6	725.9	912.3	1138.9	1388.3	1649.3
-32.5°	0.0	55.3	149.3	261.5	388.4	525.1	684.9	859.9	1066.1	1288.1	1515.3
-35°	0.0	53.7	143.2	250.9	370.3	495.7	646.5	809.0	992.4	1188.9	1384.4
-37.5°	0.0	52.0	136.8	239.6	351.5	467.6	609.0	757.2	918.3	1090.9	1265.5
-40°	0.0	50.2	130.0	227.4	331.9	442.9	571.0	704.6	843.8	1002.4	1155.6
-42.5°	0.0	48.4	122.9	214.4	312.7	417.3	532.5	651.4	778.1	918.0	1049.3
-45°	0.0	46.4	115.5	200.4	294.0	391.1	493.6	601.2	716.6	835.1	948.2
-47.5°	0.0	44.3	107.8	186.0	274.9	364.2	454.4	555.8	655.2	754.2	859.5
-50°	0.0	42.2	99.8	173.2	255.3	336.6	420.6	510.5	595.1	687.9	773.8
-52.5°	0.0	39.9	91.6	160.7	235.2	308.5	387.1	465.4	542.5	622.6	692.4
-55°	0.0	37.6	83.1	147.9	214.8	282.8	353.2	421.1	492.7	558.4	623.9
-57.5°	0.0	35.2	74.4	134.8	194.0	257.4	318.8	381.6	442.8	501.7	557.1
-60°	0.0	32.8	65.5	121.4	173.0	231.6	284.5	341.9	394.1	447.1	493.9
-62.5°	0.0	30.3	60.5	107.8	155.3	205.6	254.3	302.2	350.6	392.6	435.5
-65°	0.0	27.7	55.4	94.0	137.2	179.4	223.9	264.2	307.2	344.7	377.6
-67.5°	0.0	25.1	50.2	79.9	119.0	155.1	193.3	230.3	264.1	298.7	326.7
-70°	0.0	22.4	44.8	65.7	100.5	132.7	162.7	196.3	226.7	253.2	279.2
-72.5°	0.0	19.7	39.4	56.6	81.9	110.1	135.8	162.1	189.4	213.1	233.2
-75°	0.0	17.0	33.9	48.6	63.1	87.3	109.5	131.3	152.2	173.3	191.3
-77.5°	0.0	14.2	28.4	40.6	51.3	64.5	83.0	101.6	118.8	134.6	149.5
-80°	0.0	11.4	22.8	32.5	41.1	48.6	56.4	71.7	85.9	98.8	110.4
-82.5°	0.0	8.6	17.1	24.4	30.9	36.4	41.2	46.6	52.8	62.9	72.1
-85°	0.0	5.7	11.4	16.3	20.6	24.3	27.4	31.1	34.5	37.6	40.5
-87.5°	0.0	2.9	5.7	8.1	10.3	12.2	13.7	15.6	17.3	18.8	20.2
-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: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-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°	21.8	23.3	24.7	26.0	27.3	28.4	29.4	30.3	31.6	32.9	34.0
85°	43.6	46.6	51.6	55.8	59.6	62.9	65.7	68.0	70.4	72.4	74.0
82.5°	80.2	87.0	92.4	96.4	101.1	105.1	108.6	111.5	114.7	117.6	120.1
80°	120.0	127.6	135.5	142.3	149.1	154.2	157.3	158.6	162.6	167.8	173.0
77.5°	162.7	174.3	184.5	193.3	200.5	206.8	211.3	214.0	220.4	227.8	234.2
75°	206.9	221.1	235.2	247.6	257.4	264.7	269.9	274.3	281.9	291.6	299.8
72.5°	253.0	272.1	288.8	303.3	316.4	326.5	333.9	338.8	346.5	357.8	367.0
70°	301.6	323.4	346.1	364.7	378.7	390.5	400.3	407.1	414.0	425.5	434.1
67.5°	351.8	382.9	408.1	427.7	443.3	457.9	469.0	476.2	479.3	490.9	500.6
65°	411.0	444.3	472.3	494.4	510.0	527.9	540.3	546.5	548.4	561.1	573.0
62.5°	471.3	508.1	538.8	564.1	584.5	601.5	615.4	623.3	624.6	633.9	647.6
60°	535.7	573.4	609.9	640.4	662.2	679.7	694.8	703.1	704.8	708.5	724.1
57.5°	602.8	643.5	686.1	720.4	745.8	760.3	776.8	785.9	789.5	787.3	803.4
55°	675.8	718.1	766.3	806.1	833.3	846.4	861.8	874.9	879.4	876.5	886.1
52.5°	758.5	800.6	852.0	895.8	926.1	941.9	952.7	968.6	975.8	972.6	970.7
50°	845.4	898.4	940.8	991.0	1027.5	1048.3	1048.5	1068.2	1077.7	1074.8	1061.8
47.5°	943.8	1003.6	1035.7	1093.1	1140.5	1165.0	1166.7	1174.6	1186.2	1189.3	1178.2
45°	1050.1	1123.0	1157.5	1208.8	1262.0	1292.0	1301.1	1287.0	1307.9	1314.4	1307.4
42.5°	1162.0	1255.0	1309.5	1330.4	1392.2	1434.0	1450.1	1440.2	1439.1	1453.7	1453.4
40°	1291.3	1398.1	1480.0	1501.7	1532.9	1590.5	1624.5	1622.7	1584.5	1611.7	1618.8
37.5°	1429.5	1568.4	1669.6	1714.6	1690.9	1767.6	1817.6	1837.7	1813.9	1787.2	1817.7
35°	1575.0	1750.4	1886.8	1963.6	1967.0	1965.2	2043.3	2085.3	2088.1	2039.2	2050.3
32.5°	1737.8	1943.7	2124.4	2248.5	2304.9	2270.0	2290.4	2378.5	2421.6	2402.9	2332.4
30°	1912.6	2165.3	2386.9	2561.9	2687.9	2725.0	2641.0	2709.8	2805.3	2843.4	2812.8
27.5°	2089.4	2400.4	2681.3	2924.0	3119.2	3242.9	3245.8	3139.7	3248.0	3340.0	3375.6
25°	2269.0	2635.6	2993.6	3322.6	3617.9	3830.6	3928.4	3939.7	3788.1	3926.0	4054.4
22.5°	2460.4	2877.6	3302.5	3747.0	4158.6	4470.7	4707.9	4850.8	4846.2	4701.6	4814.5
20°	2663.0	3141.1	3635.8	4163.1	4724.4	5153.5	5551.0	5855.0	6038.1	6098.9	5980.4
17.5°	2865.1	3406.8	3985.7	4613.8	5263.2	5858.1	6453.8	6938.9	7323.3	7638.9	7751.7
15°	3064.8	3672.0	4337.0	5067.5	5818.0	6562.5	7328.5	8071.5	8725.5	9303.0	9645.3
12.5°	3259.8	3933.5	4685.5	5519.1	6380.4	7276.7	8190.7	9095.8	10038.1	10973.3	11684.1
10°	3447.9	4188.1	5026.8	5962.9	6942.4	7990.6	9051.3	10125.5	11270.2	12373.2	13435.1
7.5°	3528.3	4354.6	5320.8	6392.8	7494.9	8693.5	9899.0	11146.0	12483.4	13770.5	15067.2
5°	3577.9	4420.7	5403.4	6520.3	7746.3	9152.2	10590.5	12135.2	13661.4	15143.4	16671.2
2.5°	3610.9	4465.9	5458.6	6570.6	7783.7	9227.6	10683.9	12287.9	14000.3	15713.7	17532.7
0°	3627.1	4489.8	5486.1	6585.9	7778.9	9252.0	10720.0	12374.7	14110.0	15853.0	17714.5
-2.5°	3610.9	4465.9	5458.6	6570.6	7783.7	9227.6	10683.9	12287.9	14000.3	15713.7	17532.7
-5°	3577.9	4420.7	5403.4	6520.3	7746.3	9152.2	10590.5	12135.2	13661.4	15143.4	16671.2
-7.5°	3528.3	4354.6	5320.8	6392.8	7494.9	8693.5	9899.0	11146.0	12483.4	13770.5	15067.2
-10°	3447.9	4188.1	5026.8	5962.9	6942.4	7990.6	9051.3	10125.5	11270.2	12373.2	13435.1
-12.5°	3259.8	3933.5	4685.5	5519.1	6380.4	7276.7	8190.7	9095.8	10038.1	10973.3	11684.1
-15°	3064.8	3672.0	4337.0	5067.5	5818.0	6562.5	7328.5	8071.5	8725.5	9303.0	9645.3
-17.5°	2865.1	3406.8	3985.7	4613.8	5263.2	5858.1	6453.8	6938.9	7323.3	7638.9	7751.7
-20°	2663.0	3141.1	3635.8	4163.1	4724.4	5153.5	5551.0	5855.0	6038.1	6098.9	5980.4



REPORT NUMBER: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2460.4	2877.6	3302.5	3747.0	4158.6	4470.7	4707.9	4850.8	4846.2	4701.6	4814.5
-25°	2269.0	2635.6	2993.6	3322.6	3617.9	3830.6	3928.4	3939.7	3788.1	3926.0	4054.4
-27.5°	2089.4	2400.4	2681.3	2924.0	3119.2	3242.9	3245.8	3139.7	3248.0	3340.0	3375.6
-30°	1912.6	2165.3	2386.9	2561.9	2687.9	2725.0	2641.0	2709.8	2805.3	2843.4	2812.8
-32.5°	1737.8	1943.7	2124.4	2248.5	2304.9	2270.0	2290.4	2378.5	2421.6	2402.9	2332.4
-35°	1575.0	1750.4	1886.8	1963.6	1967.0	1965.2	2043.3	2085.3	2088.1	2039.2	2050.3
-37.5°	1429.5	1568.4	1669.6	1714.6	1690.9	1767.6	1817.6	1837.7	1813.9	1787.2	1817.7
-40°	1291.3	1398.1	1480.0	1501.7	1532.9	1590.5	1624.5	1622.7	1584.5	1611.7	1618.8
-42.5°	1162.0	1255.0	1309.5	1330.4	1392.2	1434.0	1450.1	1440.2	1439.1	1453.7	1453.4
-45°	1050.1	1123.0	1157.5	1208.8	1262.0	1292.0	1301.1	1287.0	1307.9	1314.4	1307.4
-47.5°	943.8	1003.6	1035.7	1093.1	1140.5	1165.0	1166.7	1174.6	1186.2	1189.3	1178.2
-50°	845.4	898.4	940.8	991.0	1027.5	1048.3	1048.5	1068.2	1077.7	1074.8	1061.8
-52.5°	758.5	800.6	852.0	895.8	926.1	941.9	952.7	968.6	975.8	972.6	970.7
-55°	675.8	718.1	766.3	806.1	833.3	846.4	861.8	874.9	879.4	876.5	886.1
-57.5°	602.8	643.5	686.1	720.4	745.8	760.3	776.8	785.9	789.5	787.3	803.4
-60°	535.7	573.4	609.9	640.4	662.2	679.7	694.8	703.1	704.8	708.5	724.1
-62.5°	471.3	508.1	538.8	564.1	584.5	601.5	615.4	623.3	624.6	633.9	647.6
-65°	411.0	444.3	472.3	494.4	510.0	527.9	540.3	546.5	548.4	561.1	573.0
-67.5°	351.8	382.9	408.1	427.7	443.3	457.9	469.0	476.2	479.3	490.9	500.6
-70°	301.6	323.4	346.1	364.7	378.7	390.5	400.3	407.1	414.0	425.5	434.1
-72.5°	253.0	272.1	288.8	303.3	316.4	326.5	333.9	338.8	346.5	357.8	367.0
-75°	206.9	221.1	235.2	247.6	257.4	264.7	269.9	274.3	281.9	291.6	299.8
-77.5°	162.7	174.3	184.5	193.3	200.5	206.8	211.3	214.0	220.4	227.8	234.2
-80°	120.0	127.6	135.5	142.3	149.1	154.2	157.3	158.6	162.6	167.8	173.0
-82.5°	80.2	87.0	92.4	96.4	101.1	105.1	108.6	111.5	114.7	117.6	120.1
-85°	43.6	46.6	51.6	55.8	59.6	62.9	65.7	68.0	70.4	72.4	74.0
-87.5°	21.8	23.3	24.7	26.0	27.3	28.4	29.4	30.3	31.6	32.9	34.0
-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: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-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°	35.1	34.6	33.9	33.0	32.0	32.0	32.0	31.9	31.7	31.4	31.1
85°	75.1	76.5	77.9	79.2	80.4	81.7	82.9	83.8	84.5	84.4	84.1
82.5°	122.3	126.4	130.4	134.3	137.9	139.8	141.2	142.2	142.7	143.8	144.7
80°	177.5	183.5	189.1	193.7	197.4	200.2	202.4	204.2	205.5	207.0	208.0
77.5°	240.1	246.8	253.2	258.9	263.7	268.2	272.0	275.1	277.3	280.9	284.1
75°	306.7	314.3	322.2	329.3	335.6	342.2	348.8	354.8	360.2	364.7	368.0
72.5°	374.0	382.0	391.7	400.8	409.2	418.1	426.9	434.7	441.3	447.6	453.2
70°	440.5	447.9	460.4	472.5	483.8	494.6	505.2	514.7	523.1	531.2	538.6
67.5°	509.1	516.9	532.5	546.5	559.1	570.9	583.2	594.2	603.8	612.4	619.8
65°	582.3	589.2	606.0	621.4	634.6	645.7	659.0	671.0	681.8	691.2	699.2
62.5°	658.0	665.0	678.9	694.0	706.6	717.3	732.9	746.5	757.9	767.5	775.5
60°	734.9	740.9	751.6	768.3	782.4	793.9	807.7	820.9	832.1	841.5	850.0
57.5°	814.8	820.8	826.0	842.6	856.2	866.8	878.8	891.7	902.6	911.5	920.2
55°	897.2	901.9	900.2	915.7	928.4	937.0	946.0	959.7	970.4	978.3	986.3
52.5°	981.5	987.1	983.2	989.7	1003.6	1011.4	1015.2	1030.0	1041.0	1048.1	1055.4
50°	1075.4	1079.9	1076.4	1072.6	1086.2	1094.2	1096.4	1108.3	1118.3	1123.8	1129.0
47.5°	1177.2	1182.6	1179.9	1165.2	1177.2	1187.4	1187.7	1192.7	1203.1	1207.3	1210.4
45°	1287.9	1298.4	1296.2	1285.9	1284.3	1294.7	1293.7	1289.6	1301.5	1306.9	1308.6
42.5°	1433.2	1429.8	1433.1	1427.1	1408.8	1420.6	1422.1	1407.1	1422.1	1428.6	1424.9
40°	1611.0	1578.6	1596.5	1593.8	1576.7	1574.1	1583.4	1571.2	1573.5	1582.7	1575.6
37.5°	1822.6	1799.4	1789.7	1797.7	1792.7	1770.8	1788.2	1783.9	1770.1	1785.7	1778.9
35°	2083.0	2076.1	2023.8	2055.6	2062.2	2041.4	2047.4	2056.4	2026.4	2050.0	2047.6
32.5°	2387.5	2403.0	2391.7	2372.1	2401.9	2405.6	2371.2	2412.5	2395.9	2401.8	2418.1
30°	2732.4	2811.5	2850.1	2815.6	2834.1	2871.0	2854.1	2882.8	2896.5	2875.0	2915.7
27.5°	3334.9	3306.8	3399.1	3439.2	3396.3	3463.5	3512.2	3490.7	3562.0	3519.8	3580.1
25°	4100.6	4059.3	4084.0	4216.7	4246.2	4212.1	4349.6	4365.7	4422.4	4429.2	4471.3
22.5°	5000.1	5099.7	5088.1	5128.5	5295.1	5350.9	5401.7	5533.9	5503.8	5623.6	5644.5
20°	6005.9	6256.2	6428.6	6464.8	6536.0	6727.8	6815.7	6920.0	6990.0	7103.5	7199.5
17.5°	7707.5	7579.2	7917.4	8129.7	8241.5	8281.4	8512.3	8587.5	8760.9	8860.0	8958.4
15°	9892.1	9966.9	9814.2	10016.7	10358.7	10474.3	10341.5	10651.5	10738.7	10905.6	10935.1
12.5°	12227.1	12605.1	12790.4	12840.8	12662.1	13148.6	13343.5	13098.9	13376.4	13326.4	13554.7
10°	14455.2	15373.6	15923.3	16310.1	16545.2	16686.8	16827.5	17080.4	17084.8	17272.1	17162.8
7.5°	16284.4	17448.8	18561.3	19640.4	20503.6	20987.5	21367.5	21731.9	22218.2	22451.0	22602.4
5°	18074.0	19417.5	20748.5	22056.6	23241.2	24380.8	25497.8	26466.7	26980.1	27580.2	28115.1
2.5°	19231.5	20930.9	22630.7	24314.4	25683.2	26939.1	28101.7	29181.4	30128.6	31004.8	31744.8
0°	19457.4	21359.3	23132.5	24812.4	26353.5	27904.8	29259.3	30480.1	31511.7	32442.5	33070.5
-2.5°	19231.5	20930.9	22630.7	24314.4	25683.2	26939.1	28101.7	29181.4	30128.6	31004.8	31744.8
-5°	18074.0	19417.5	20748.5	22056.6	23241.2	24380.8	25497.8	26466.7	26980.1	27580.2	28115.1
-7.5°	16284.4	17448.8	18561.3	19640.4	20503.6	20987.5	21367.5	21731.9	22218.2	22451.0	22602.4
-10°	14455.2	15373.6	15923.3	16310.1	16545.2	16686.8	16827.5	17080.4	17084.8	17272.1	17162.8
-12.5°	12227.1	12605.1	12790.4	12840.8	12662.1	13148.6	13343.5	13098.9	13376.4	13326.4	13554.7
-15°	9892.1	9966.9	9814.2	10016.7	10358.7	10474.3	10341.5	10651.5	10738.7	10905.6	10935.1
-17.5°	7707.5	7579.2	7917.4	8129.7	8241.5	8281.4	8512.3	8587.5	8760.9	8860.0	8958.4
-20°	6005.9	6256.2	6428.6	6464.8	6536.0	6727.8	6815.7	6920.0	6990.0	7103.5	7199.5



REPORT NUMBER: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5000.1	5099.7	5088.1	5128.5	5295.1	5350.9	5401.7	5533.9	5503.8	5623.6	5644.5
-25°	4100.6	4059.3	4084.0	4216.7	4246.2	4212.1	4349.6	4365.7	4422.4	4429.2	4471.3
-27.5°	3334.9	3306.8	3399.1	3439.2	3396.3	3463.5	3512.2	3490.7	3562.0	3519.8	3580.1
-30°	2732.4	2811.5	2850.1	2815.6	2834.1	2871.0	2854.1	2882.8	2896.5	2875.0	2915.7
-32.5°	2387.5	2403.0	2391.7	2372.1	2401.9	2405.6	2371.2	2412.5	2395.9	2401.8	2418.1
-35°	2083.0	2076.1	2023.8	2055.6	2062.2	2041.4	2047.4	2056.4	2026.4	2050.0	2047.6
-37.5°	1822.6	1799.4	1789.7	1797.7	1792.7	1770.8	1788.2	1783.9	1770.1	1785.7	1778.9
-40°	1611.0	1578.6	1596.5	1593.8	1576.7	1574.1	1583.4	1571.2	1573.5	1582.7	1575.6
-42.5°	1433.2	1429.8	1433.1	1427.1	1408.8	1420.6	1422.1	1407.1	1422.1	1428.6	1424.9
-45°	1287.9	1298.4	1296.2	1285.9	1284.3	1294.7	1293.7	1289.6	1301.5	1306.9	1308.6
-47.5°	1177.2	1182.6	1179.9	1165.2	1177.2	1187.4	1187.7	1192.7	1203.1	1207.3	1210.4
-50°	1075.4	1079.9	1076.4	1072.6	1086.2	1094.2	1096.4	1108.3	1118.3	1123.8	1129.0
-52.5°	981.5	987.1	983.2	989.7	1003.6	1011.4	1015.2	1030.0	1041.0	1048.1	1055.4
-55°	897.2	901.9	900.2	915.7	928.4	937.0	946.0	959.7	970.4	978.3	986.3
-57.5°	814.8	820.8	826.0	842.6	856.2	866.8	878.8	891.7	902.6	911.5	920.2
-60°	734.9	740.9	751.6	768.3	782.4	793.9	807.7	820.9	832.1	841.5	850.0
-62.5°	658.0	665.0	678.9	694.0	706.6	717.3	732.9	746.5	757.9	767.5	775.5
-65°	582.3	589.2	606.0	621.4	634.6	645.7	659.0	671.0	681.8	691.2	699.2
-67.5°	509.1	516.9	532.5	546.5	559.1	570.9	583.2	594.2	603.8	612.4	619.8
-70°	440.5	447.9	460.4	472.5	483.8	494.6	505.2	514.7	523.1	531.2	538.6
-72.5°	374.0	382.0	391.7	400.8	409.2	418.1	426.9	434.7	441.3	447.6	453.2
-75°	306.7	314.3	322.2	329.3	335.6	342.2	348.8	354.8	360.2	364.7	368.0
-77.5°	240.1	246.8	253.2	258.9	263.7	268.2	272.0	275.1	277.3	280.9	284.1
-80°	177.5	183.5	189.1	193.7	197.4	200.2	202.4	204.2	205.5	207.0	208.0
-82.5°	122.3	126.4	130.4	134.3	137.9	139.8	141.2	142.2	142.7	143.8	144.7
-85°	75.1	76.5	77.9	79.2	80.4	81.7	82.9	83.8	84.5	84.4	84.1
-87.5°	35.1	34.6	33.9	33.0	32.0	32.0	32.0	31.9	31.7	31.4	31.1
-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: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-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°	30.7	30.2	31.5	32.8	31.5	30.2	30.7	31.1	31.4	31.7	31.9
85°	83.6	82.8	84.4	85.8	84.4	82.8	83.6	84.1	84.4	84.5	83.8
82.5°	145.3	145.6	146.1	146.3	146.1	145.6	145.3	144.7	143.8	142.7	142.2
80°	208.5	208.5	207.9	206.8	207.9	208.5	208.5	208.0	207.0	205.5	204.2
77.5°	286.7	288.5	289.7	290.1	289.7	288.5	286.7	284.1	280.9	277.3	275.1
75°	370.3	371.4	371.6	370.8	371.6	371.4	370.3	368.0	364.7	360.2	354.8
72.5°	457.9	461.5	462.3	461.6	462.3	461.5	457.9	453.2	447.6	441.3	434.7
70°	544.7	549.4	549.4	547.4	549.4	549.4	544.7	538.6	531.2	523.1	514.7
67.5°	625.7	630.1	633.5	635.6	633.5	630.1	625.7	619.8	612.4	603.8	594.2
65°	705.6	710.4	713.0	713.8	713.0	710.4	705.6	699.2	691.2	681.8	671.0
62.5°	781.7	786.1	788.6	789.5	788.6	786.1	781.7	775.5	767.5	757.9	746.5
60°	856.6	861.4	862.1	860.1	862.1	861.4	856.6	850.0	841.5	832.1	820.9
57.5°	927.0	931.9	931.7	928.2	931.7	931.9	927.0	920.2	911.5	902.6	891.7
55°	992.0	995.6	996.9	996.3	996.9	995.6	992.0	986.3	978.3	970.4	959.7
52.5°	1060.9	1063.7	1064.9	1064.4	1064.9	1063.7	1060.9	1055.4	1048.1	1041.0	1030.0
50°	1132.7	1133.1	1133.0	1132.5	1133.0	1133.1	1132.7	1129.0	1123.8	1118.3	1108.3
47.5°	1214.8	1215.6	1215.8	1215.8	1215.8	1215.6	1214.8	1210.4	1207.3	1203.1	1192.7
45°	1311.9	1309.2	1306.4	1306.6	1306.4	1309.2	1311.9	1308.6	1306.9	1301.5	1289.6
42.5°	1428.4	1425.3	1421.7	1422.6	1421.7	1425.3	1428.4	1424.9	1428.6	1422.1	1407.1
40°	1581.8	1581.0	1575.8	1573.9	1575.8	1581.0	1581.8	1575.6	1582.7	1573.5	1571.2
37.5°	1779.9	1777.0	1765.5	1760.6	1765.5	1777.0	1779.9	1778.9	1785.7	1770.1	1783.9
35°	2040.6	2036.7	2019.1	2020.4	2019.1	2036.7	2040.6	2047.6	2050.0	2026.4	2056.4
32.5°	2409.9	2411.3	2384.7	2378.6	2384.7	2411.3	2409.9	2418.1	2401.8	2395.9	2412.5
30°	2890.4	2900.9	2869.6	2883.0	2869.6	2900.9	2890.4	2915.7	2875.0	2896.5	2882.8
27.5°	3578.9	3599.0	3571.3	3548.9	3571.3	3599.0	3578.9	3580.1	3519.8	3562.0	3490.7
25°	4526.6	4541.6	4509.9	4482.2	4509.9	4541.6	4526.6	4471.3	4429.2	4422.4	4365.7
22.5°	5760.2	5759.3	5757.7	5801.4	5757.7	5759.3	5760.2	5644.5	5623.6	5503.8	5533.9
20°	7261.4	7225.1	7279.5	7314.8	7279.5	7225.1	7261.4	7199.5	7103.5	6990.0	6920.0
17.5°	8981.2	9049.4	9101.7	9188.9	9101.7	9049.4	8981.2	8958.4	8860.0	8760.9	8587.5
15°	11009.1	11112.0	11164.3	11136.2	11164.3	11112.0	11009.1	10935.1	10905.6	10738.7	10651.5
12.5°	13562.8	13685.5	13594.9	13482.0	13594.9	13685.5	13562.8	13554.7	13326.4	13376.4	13098.9
10°	17164.4	17428.8	17443.6	17222.6	17443.6	17428.8	17164.4	17162.8	17272.1	17084.8	17080.4
7.5°	22690.4	22818.9	23014.1	23024.0	23014.1	22818.9	22690.4	22602.4	22451.0	22218.2	21731.9
5°	28357.6	28699.9	28920.6	29302.2	28920.6	28699.9	28357.6	28115.1	27580.2	26980.1	26466.7
2.5°	32222.6	32665.1	32835.0	33267.3	32835.0	32665.1	32222.6	31744.8	31004.8	30128.6	29181.4
0°	33630.5	33988.7	34203.1	34374.6	34203.1	33988.7	33630.5	33070.5	32442.5	31511.7	30480.1
-2.5°	32222.6	32665.1	32835.0	33267.3	32835.0	32665.1	32222.6	31744.8	31004.8	30128.6	29181.4
-5°	28357.6	28699.9	28920.6	29302.2	28920.6	28699.9	28357.6	28115.1	27580.2	26980.1	26466.7
-7.5°	22690.4	22818.9	23014.1	23024.0	23014.1	22818.9	22690.4	22602.4	22451.0	22218.2	21731.9
-10°	17164.4	17428.8	17443.6	17222.6	17443.6	17428.8	17164.4	17162.8	17272.1	17084.8	17080.4
-12.5°	13562.8	13685.5	13594.9	13482.0	13594.9	13685.5	13562.8	13554.7	13326.4	13376.4	13098.9
-15°	11009.1	11112.0	11164.3	11136.2	11164.3	11112.0	11009.1	10935.1	10905.6	10738.7	10651.5
-17.5°	8981.2	9049.4	9101.7	9188.9	9101.7	9049.4	8981.2	8958.4	8860.0	8760.9	8587.5
-20°	7261.4	7225.1	7279.5	7314.8	7279.5	7225.1	7261.4	7199.5	7103.5	6990.0	6920.0



REPORT NUMBER: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5760.2	5759.3	5757.7	5801.4	5757.7	5759.3	5760.2	5644.5	5623.6	5503.8	5533.9
-25°	4526.6	4541.6	4509.9	4482.2	4509.9	4541.6	4526.6	4471.3	4429.2	4422.4	4365.7
-27.5°	3578.9	3599.0	3571.3	3548.9	3571.3	3599.0	3578.9	3580.1	3519.8	3562.0	3490.7
-30°	2890.4	2900.9	2869.6	2883.0	2869.6	2900.9	2890.4	2915.7	2875.0	2896.5	2882.8
-32.5°	2409.9	2411.3	2384.7	2378.6	2384.7	2411.3	2409.9	2418.1	2401.8	2395.9	2412.5
-35°	2040.6	2036.7	2019.1	2020.4	2019.1	2036.7	2040.6	2047.6	2050.0	2026.4	2056.4
-37.5°	1779.9	1777.0	1765.5	1760.6	1765.5	1777.0	1779.9	1778.9	1785.7	1770.1	1783.9
-40°	1581.8	1581.0	1575.8	1573.9	1575.8	1581.0	1581.8	1575.6	1582.7	1573.5	1571.2
-42.5°	1428.4	1425.3	1421.7	1422.6	1421.7	1425.3	1428.4	1424.9	1428.6	1422.1	1407.1
-45°	1311.9	1309.2	1306.4	1306.6	1306.4	1309.2	1311.9	1308.6	1306.9	1301.5	1289.6
-47.5°	1214.8	1215.6	1215.8	1215.8	1215.8	1215.6	1214.8	1210.4	1207.3	1203.1	1192.7
-50°	1132.7	1133.1	1133.0	1132.5	1133.0	1133.1	1132.7	1129.0	1123.8	1118.3	1108.3
-52.5°	1060.9	1063.7	1064.9	1064.4	1064.9	1063.7	1060.9	1055.4	1048.1	1041.0	1030.0
-55°	992.0	995.6	996.9	996.3	996.9	995.6	992.0	986.3	978.3	970.4	959.7
-57.5°	927.0	931.9	931.7	928.2	931.7	931.9	927.0	920.2	911.5	902.6	891.7
-60°	856.6	861.4	862.1	860.1	862.1	861.4	856.6	850.0	841.5	832.1	820.9
-62.5°	781.7	786.1	788.6	789.5	788.6	786.1	781.7	775.5	767.5	757.9	746.5
-65°	705.6	710.4	713.0	713.8	713.0	710.4	705.6	699.2	691.2	681.8	671.0
-67.5°	625.7	630.1	633.5	635.6	633.5	630.1	625.7	619.8	612.4	603.8	594.2
-70°	544.7	549.4	549.4	547.4	549.4	549.4	544.7	538.6	531.2	523.1	514.7
-72.5°	457.9	461.5	462.3	461.6	462.3	461.5	457.9	453.2	447.6	441.3	434.7
-75°	370.3	371.4	371.6	370.8	371.6	371.4	370.3	368.0	364.7	360.2	354.8
-77.5°	286.7	288.5	289.7	290.1	289.7	288.5	286.7	284.1	280.9	277.3	275.1
-80°	208.5	208.5	207.9	206.8	207.9	208.5	208.5	208.0	207.0	205.5	204.2
-82.5°	145.3	145.6	146.1	146.3	146.1	145.6	145.3	144.7	143.8	142.7	142.2
-85°	83.6	82.8	84.4	85.8	84.4	82.8	83.6	84.1	84.4	84.5	83.8
-87.5°	30.7	30.2	31.5	32.8	31.5	30.2	30.7	31.1	31.4	31.7	31.9
-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: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-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°	32.0	32.0	32.0	33.0	33.9	34.6	35.1	34.0	32.9	31.6	30.3
85°	82.9	81.7	80.4	79.2	77.9	76.5	75.1	74.0	72.4	70.4	68.0
82.5°	141.2	139.8	137.9	134.3	130.4	126.4	122.3	120.1	117.6	114.7	111.5
80°	202.4	200.2	197.4	193.7	189.1	183.5	177.5	173.0	167.8	162.6	158.6
77.5°	272.0	268.2	263.7	258.9	253.2	246.8	240.1	234.2	227.8	220.4	214.0
75°	348.8	342.2	335.6	329.3	322.2	314.3	306.7	299.8	291.6	281.9	274.3
72.5°	426.9	418.1	409.2	400.8	391.7	382.0	374.0	367.0	357.8	346.5	338.8
70°	505.2	494.6	483.8	472.5	460.4	447.9	440.5	434.1	425.5	414.0	407.1
67.5°	583.2	570.9	559.1	546.5	532.5	516.9	509.1	500.6	490.9	479.3	476.2
65°	659.0	645.7	634.6	621.4	606.0	589.2	582.3	573.0	561.1	548.4	546.5
62.5°	732.9	717.3	706.6	694.0	678.9	665.0	658.0	647.6	633.9	624.6	623.3
60°	807.7	793.9	782.4	768.3	751.6	740.9	734.9	724.1	708.5	704.8	703.1
57.5°	878.8	866.8	856.2	842.6	826.0	820.8	814.8	803.4	787.3	789.5	785.9
55°	946.0	937.0	928.4	915.7	900.2	901.9	897.2	886.1	876.5	879.4	874.9
52.5°	1015.2	1011.4	1003.6	989.7	983.2	987.1	981.5	970.7	972.6	975.8	968.6
50°	1096.4	1094.2	1086.2	1072.6	1076.4	1079.9	1075.4	1061.8	1074.8	1077.7	1068.2
47.5°	1187.7	1187.4	1177.2	1165.2	1179.9	1182.6	1177.2	1178.2	1189.3	1186.2	1174.6
45°	1293.7	1294.7	1284.3	1285.9	1296.2	1298.4	1287.9	1307.4	1314.4	1307.9	1287.0
42.5°	1422.1	1420.6	1408.8	1427.1	1433.1	1429.8	1433.2	1453.4	1453.7	1439.1	1440.2
40°	1583.4	1574.1	1576.7	1593.8	1596.5	1578.6	1611.0	1618.8	1611.7	1584.5	1622.7
37.5°	1788.2	1770.8	1792.7	1797.7	1789.7	1799.4	1822.6	1817.7	1787.2	1813.9	1837.7
35°	2047.4	2041.4	2062.2	2055.6	2023.8	2076.1	2083.0	2050.3	2039.2	2088.1	2085.3
32.5°	2371.2	2405.6	2401.9	2372.1	2391.7	2403.0	2387.5	2332.4	2402.9	2421.6	2378.5
30°	2854.1	2871.0	2834.1	2815.6	2850.1	2811.5	2732.4	2812.8	2843.4	2805.3	2709.8
27.5°	3512.2	3463.5	3396.3	3439.2	3399.1	3306.8	3334.9	3375.6	3340.0	3248.0	3139.7
25°	4349.6	4212.1	4246.2	4216.7	4084.0	4059.3	4100.6	4054.4	3926.0	3788.1	3939.7
22.5°	5401.7	5350.9	5295.1	5128.5	5088.1	5099.7	5000.1	4814.5	4701.6	4846.2	4850.8
20°	6815.7	6727.8	6536.0	6464.8	6428.6	6256.2	6005.9	5980.4	6098.9	6038.1	5855.0
17.5°	8512.3	8281.4	8241.5	8129.7	7917.4	7579.2	7707.5	7751.7	7638.9	7323.3	6938.9
15°	10341.5	10474.3	10358.7	10016.7	9814.2	9966.9	9892.1	9645.3	9303.0	8725.5	8071.5
12.5°	13343.5	13148.6	12662.1	12840.8	12790.4	12605.1	12227.1	11684.1	10973.3	10038.1	9095.8
10°	16827.5	16686.8	16545.2	16310.1	15923.3	15373.6	14455.2	13435.1	12373.2	11270.2	10125.5
7.5°	21367.5	20987.5	20503.6	19640.4	18561.3	17448.8	16284.4	15067.2	13770.5	12483.4	11146.0
5°	25497.8	24380.8	23241.2	22056.6	20748.5	19417.5	18074.0	16671.2	15143.4	13661.4	12135.2
2.5°	28101.7	26939.1	25683.2	24314.4	22630.7	20930.9	19231.5	17532.7	15713.7	14000.3	12287.9
0°	29259.3	27904.8	26353.5	24812.4	23132.5	21359.3	19457.4	17714.5	15853.0	14110.0	12374.7
-2.5°	28101.7	26939.1	25683.2	24314.4	22630.7	20930.9	19231.5	17532.7	15713.7	14000.3	12287.9
-5°	25497.8	24380.8	23241.2	22056.6	20748.5	19417.5	18074.0	16671.2	15143.4	13661.4	12135.2
-7.5°	21367.5	20987.5	20503.6	19640.4	18561.3	17448.8	16284.4	15067.2	13770.5	12483.4	11146.0
-10°	16827.5	16686.8	16545.2	16310.1	15923.3	15373.6	14455.2	13435.1	12373.2	11270.2	10125.5
-12.5°	13343.5	13148.6	12662.1	12840.8	12790.4	12605.1	12227.1	11684.1	10973.3	10038.1	9095.8
-15°	10341.5	10474.3	10358.7	10016.7	9814.2	9966.9	9892.1	9645.3	9303.0	8725.5	8071.5
-17.5°	8512.3	8281.4	8241.5	8129.7	7917.4	7579.2	7707.5	7751.7	7638.9	7323.3	6938.9
-20°	6815.7	6727.8	6536.0	6464.8	6428.6	6256.2	6005.9	5980.4	6098.9	6038.1	5855.0



REPORT NUMBER: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5401.7	5350.9	5295.1	5128.5	5088.1	5099.7	5000.1	4814.5	4701.6	4846.2	4850.8
-25°	4349.6	4212.1	4246.2	4216.7	4084.0	4059.3	4100.6	4054.4	3926.0	3788.1	3939.7
-27.5°	3512.2	3463.5	3396.3	3439.2	3399.1	3306.8	3334.9	3375.6	3340.0	3248.0	3139.7
-30°	2854.1	2871.0	2834.1	2815.6	2850.1	2811.5	2732.4	2812.8	2843.4	2805.3	2709.8
-32.5°	2371.2	2405.6	2401.9	2372.1	2391.7	2403.0	2387.5	2332.4	2402.9	2421.6	2378.5
-35°	2047.4	2041.4	2062.2	2055.6	2023.8	2076.1	2083.0	2050.3	2039.2	2088.1	2085.3
-37.5°	1788.2	1770.8	1792.7	1797.7	1789.7	1799.4	1822.6	1817.7	1787.2	1813.9	1837.7
-40°	1583.4	1574.1	1576.7	1593.8	1596.5	1578.6	1611.0	1618.8	1611.7	1584.5	1622.7
-42.5°	1422.1	1420.6	1408.8	1427.1	1433.1	1429.8	1433.2	1453.4	1453.7	1439.1	1440.2
-45°	1293.7	1294.7	1284.3	1285.9	1296.2	1298.4	1287.9	1307.4	1314.4	1307.9	1287.0
-47.5°	1187.7	1187.4	1177.2	1165.2	1179.9	1182.6	1177.2	1178.2	1189.3	1186.2	1174.6
-50°	1096.4	1094.2	1086.2	1072.6	1076.4	1079.9	1075.4	1061.8	1074.8	1077.7	1068.2
-52.5°	1015.2	1011.4	1003.6	989.7	983.2	987.1	981.5	970.7	972.6	975.8	968.6
-55°	946.0	937.0	928.4	915.7	900.2	901.9	897.2	886.1	876.5	879.4	874.9
-57.5°	878.8	866.8	856.2	842.6	826.0	820.8	814.8	803.4	787.3	789.5	785.9
-60°	807.7	793.9	782.4	768.3	751.6	740.9	734.9	724.1	708.5	704.8	703.1
-62.5°	732.9	717.3	706.6	694.0	678.9	665.0	658.0	647.6	633.9	624.6	623.3
-65°	659.0	645.7	634.6	621.4	606.0	589.2	582.3	573.0	561.1	548.4	546.5
-67.5°	583.2	570.9	559.1	546.5	532.5	516.9	509.1	500.6	490.9	479.3	476.2
-70°	505.2	494.6	483.8	472.5	460.4	447.9	440.5	434.1	425.5	414.0	407.1
-72.5°	426.9	418.1	409.2	400.8	391.7	382.0	374.0	367.0	357.8	346.5	338.8
-75°	348.8	342.2	335.6	329.3	322.2	314.3	306.7	299.8	291.6	281.9	274.3
-77.5°	272.0	268.2	263.7	258.9	253.2	246.8	240.1	234.2	227.8	220.4	214.0
-80°	202.4	200.2	197.4	193.7	189.1	183.5	177.5	173.0	167.8	162.6	158.6
-82.5°	141.2	139.8	137.9	134.3	130.4	126.4	122.3	120.1	117.6	114.7	111.5
-85°	82.9	81.7	80.4	79.2	77.9	76.5	75.1	74.0	72.4	70.4	68.0
-87.5°	32.0	32.0	32.0	33.0	33.9	34.6	35.1	34.0	32.9	31.6	30.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-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°	29.4	28.4	27.3	26.0	24.7	23.3	21.8	20.2	18.8	17.3	15.6
85°	65.7	62.9	59.6	55.8	51.6	46.6	43.6	40.5	37.6	34.5	31.1
82.5°	108.6	105.1	101.1	96.4	92.4	87.0	80.2	72.1	62.9	52.8	46.6
80°	157.3	154.2	149.1	142.3	135.5	127.6	120.0	110.4	98.8	85.9	71.7
77.5°	211.3	206.8	200.5	193.3	184.5	174.3	162.7	149.5	134.6	118.8	101.6
75°	269.9	264.7	257.4	247.6	235.2	221.1	206.9	191.3	173.3	152.2	131.3
72.5°	333.9	326.5	316.4	303.3	288.8	272.1	253.0	233.2	213.1	189.4	162.1
70°	400.3	390.5	378.7	364.7	346.1	323.4	301.6	279.2	253.2	226.7	196.3
67.5°	469.0	457.9	443.3	427.7	408.1	382.9	351.8	326.7	298.7	264.1	230.3
65°	540.3	527.9	510.0	494.4	472.3	444.3	411.0	377.6	344.7	307.2	264.2
62.5°	615.4	601.5	584.5	564.1	538.8	508.1	471.3	435.5	392.6	350.6	302.2
60°	694.8	679.7	662.2	640.4	609.9	573.4	535.7	493.9	447.1	394.1	341.9
57.5°	776.8	760.3	745.8	720.4	686.1	643.5	602.8	557.1	501.7	442.8	381.6
55°	861.8	846.4	833.3	806.1	766.3	718.1	675.8	623.9	558.4	492.7	421.1
52.5°	952.7	941.9	926.1	895.8	852.0	800.6	758.5	692.4	622.6	542.5	465.4
50°	1048.5	1048.3	1027.5	991.0	940.8	898.4	845.4	773.8	687.9	595.1	510.5
47.5°	1166.7	1165.0	1140.5	1093.1	1035.7	1003.6	943.8	859.5	754.2	655.2	555.8
45°	1301.1	1292.0	1262.0	1208.8	1157.5	1123.0	1050.1	948.2	835.1	716.6	601.2
42.5°	1450.1	1434.0	1392.2	1330.4	1309.5	1255.0	1162.0	1049.3	918.0	778.1	651.4
40°	1624.5	1590.5	1532.9	1501.7	1480.0	1398.1	1291.3	1155.6	1002.4	843.8	704.6
37.5°	1817.6	1767.6	1690.9	1714.6	1669.6	1568.4	1429.5	1265.5	1090.9	918.3	757.2
35°	2043.3	1965.2	1967.0	1963.6	1886.8	1750.4	1575.0	1384.4	1188.9	992.4	809.0
32.5°	2290.4	2270.0	2304.9	2248.5	2124.4	1943.7	1737.8	1515.3	1288.1	1066.1	859.9
30°	2641.0	2725.0	2687.9	2561.9	2386.9	2165.3	1912.6	1649.3	1388.3	1138.9	912.3
27.5°	3245.8	3242.9	3119.2	2924.0	2681.3	2400.4	2089.4	1785.5	1488.9	1215.1	971.7
25°	3928.4	3830.6	3617.9	3322.6	2993.6	2635.6	2269.0	1923.9	1598.2	1297.4	1029.3
22.5°	4707.9	4470.7	4158.6	3747.0	3302.5	2877.6	2460.4	2075.2	1711.4	1378.0	1084.9
20°	5551.0	5153.5	4724.4	4163.1	3635.8	3141.1	2663.0	2225.1	1822.9	1456.6	1138.2
17.5°	6453.8	5858.1	5263.2	4613.8	3985.7	3406.8	2865.1	2372.6	1932.0	1532.5	1188.9
15°	7328.5	6562.5	5818.0	5067.5	4337.0	3672.0	3064.8	2516.4	2037.6	1605.2	1228.8
12.5°	8190.7	7276.7	6380.4	5519.1	4685.5	3933.5	3259.8	2655.1	2138.8	1657.3	1254.8
10°	9051.3	7990.6	6942.4	5962.9	5026.8	4188.1	3447.9	2763.3	2186.6	1690.6	1276.3
7.5°	9899.0	8693.5	7494.9	6392.8	5320.8	4354.6	3528.3	2812.3	2218.1	1717.5	1293.3
5°	10590.5	9152.2	7746.3	6520.3	5403.4	4420.7	3577.9	2850.3	2239.8	1737.8	1305.8
2.5°	10683.9	9227.6	7783.7	6570.6	5458.6	4465.9	3610.9	2876.6	2252.0	1751.4	1313.6
0°	10720.0	9252.0	7778.9	6585.9	5486.1	4489.8	3627.1	2890.6	2255.0	1758.1	1316.7
-2.5°	10683.9	9227.6	7783.7	6570.6	5458.6	4465.9	3610.9	2876.6	2252.0	1751.4	1313.6
-5°	10590.5	9152.2	7746.3	6520.3	5403.4	4420.7	3577.9	2850.3	2239.8	1737.8	1305.8
-7.5°	9899.0	8693.5	7494.9	6392.8	5320.8	4354.6	3528.3	2812.3	2218.1	1717.5	1293.3
-10°	9051.3	7990.6	6942.4	5962.9	5026.8	4188.1	3447.9	2763.3	2186.6	1690.6	1276.3
-12.5°	8190.7	7276.7	6380.4	5519.1	4685.5	3933.5	3259.8	2655.1	2138.8	1657.3	1254.8
-15°	7328.5	6562.5	5818.0	5067.5	4337.0	3672.0	3064.8	2516.4	2037.6	1605.2	1228.8
-17.5°	6453.8	5858.1	5263.2	4613.8	3985.7	3406.8	2865.1	2372.6	1932.0	1532.5	1188.9
-20°	5551.0	5153.5	4724.4	4163.1	3635.8	3141.1	2663.0	2225.1	1822.9	1456.6	1138.2



REPORT NUMBER: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4707.9	4470.7	4158.6	3747.0	3302.5	2877.6	2460.4	2075.2	1711.4	1378.0	1084.9
-25°	3928.4	3830.6	3617.9	3322.6	2993.6	2635.6	2269.0	1923.9	1598.2	1297.4	1029.3
-27.5°	3245.8	3242.9	3119.2	2924.0	2681.3	2400.4	2089.4	1785.5	1488.9	1215.1	971.7
-30°	2641.0	2725.0	2687.9	2561.9	2386.9	2165.3	1912.6	1649.3	1388.3	1138.9	912.3
-32.5°	2290.4	2270.0	2304.9	2248.5	2124.4	1943.7	1737.8	1515.3	1288.1	1066.1	859.9
-35°	2043.3	1965.2	1967.0	1963.6	1886.8	1750.4	1575.0	1384.4	1188.9	992.4	809.0
-37.5°	1817.6	1767.6	1690.9	1714.6	1669.6	1568.4	1429.5	1265.5	1090.9	918.3	757.2
-40°	1624.5	1590.5	1532.9	1501.7	1480.0	1398.1	1291.3	1155.6	1002.4	843.8	704.6
-42.5°	1450.1	1434.0	1392.2	1330.4	1309.5	1255.0	1162.0	1049.3	918.0	778.1	651.4
-45°	1301.1	1292.0	1262.0	1208.8	1157.5	1123.0	1050.1	948.2	835.1	716.6	601.2
-47.5°	1166.7	1165.0	1140.5	1093.1	1035.7	1003.6	943.8	859.5	754.2	655.2	555.8
-50°	1048.5	1048.3	1027.5	991.0	940.8	898.4	845.4	773.8	687.9	595.1	510.5
-52.5°	952.7	941.9	926.1	895.8	852.0	800.6	758.5	692.4	622.6	542.5	465.4
-55°	861.8	846.4	833.3	806.1	766.3	718.1	675.8	623.9	558.4	492.7	421.1
-57.5°	776.8	760.3	745.8	720.4	686.1	643.5	602.8	557.1	501.7	442.8	381.6
-60°	694.8	679.7	662.2	640.4	609.9	573.4	535.7	493.9	447.1	394.1	341.9
-62.5°	615.4	601.5	584.5	564.1	538.8	508.1	471.3	435.5	392.6	350.6	302.2
-65°	540.3	527.9	510.0	494.4	472.3	444.3	411.0	377.6	344.7	307.2	264.2
-67.5°	469.0	457.9	443.3	427.7	408.1	382.9	351.8	326.7	298.7	264.1	230.3
-70°	400.3	390.5	378.7	364.7	346.1	323.4	301.6	279.2	253.2	226.7	196.3
-72.5°	333.9	326.5	316.4	303.3	288.8	272.1	253.0	233.2	213.1	189.4	162.1
-75°	269.9	264.7	257.4	247.6	235.2	221.1	206.9	191.3	173.3	152.2	131.3
-77.5°	211.3	206.8	200.5	193.3	184.5	174.3	162.7	149.5	134.6	118.8	101.6
-80°	157.3	154.2	149.1	142.3	135.5	127.6	120.0	110.4	98.8	85.9	71.7
-82.5°	108.6	105.1	101.1	96.4	92.4	87.0	80.2	72.1	62.9	52.8	46.6
-85°	65.7	62.9	59.6	55.8	51.6	46.6	43.6	40.5	37.6	34.5	31.1
-87.5°	29.4	28.4	27.3	26.0	24.7	23.3	21.8	20.2	18.8	17.3	15.6
-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: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-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°	13.7	12.2	10.3	8.1	5.7	2.9	0.0
85°	27.4	24.3	20.6	16.3	11.4	5.7	0.0
82.5°	41.2	36.4	30.9	24.4	17.1	8.6	0.0
80°	56.4	48.6	41.1	32.5	22.8	11.4	0.0
77.5°	83.0	64.5	51.3	40.6	28.4	14.2	0.0
75°	109.5	87.3	63.1	48.6	33.9	17.0	0.0
72.5°	135.8	110.1	81.9	56.6	39.4	19.7	0.0
70°	162.7	132.7	100.5	65.7	44.8	22.4	0.0
67.5°	193.3	155.1	119.0	79.9	50.2	25.1	0.0
65°	223.9	179.4	137.2	94.0	55.4	27.7	0.0
62.5°	254.3	205.6	155.3	107.8	60.5	30.3	0.0
60°	284.5	231.6	173.0	121.4	65.5	32.8	0.0
57.5°	318.8	257.4	194.0	134.8	74.4	35.2	0.0
55°	353.2	282.8	214.8	147.9	83.1	37.6	0.0
52.5°	387.1	308.5	235.2	160.7	91.6	39.9	0.0
50°	420.6	336.6	255.3	173.2	99.8	42.2	0.0
47.5°	454.4	364.2	274.9	186.0	107.8	44.3	0.0
45°	493.6	391.1	294.0	200.4	115.5	46.4	0.0
42.5°	532.5	417.3	312.7	214.4	122.9	48.4	0.0
40°	571.0	442.9	331.9	227.4	130.0	50.2	0.0
37.5°	609.0	467.6	351.5	239.6	136.8	52.0	0.0
35°	646.5	495.7	370.3	250.9	143.2	53.7	0.0
32.5°	684.9	525.1	388.4	261.5	149.3	55.3	0.0
30°	725.9	553.6	405.5	271.3	155.1	56.8	0.0
27.5°	765.5	581.0	419.9	280.4	160.4	58.2	0.0
25°	803.6	607.2	433.0	288.6	165.4	59.5	0.0
22.5°	840.0	630.7	445.3	295.9	170.0	60.6	0.0
20°	874.6	648.6	456.5	302.5	174.2	61.6	0.0
17.5°	900.7	664.3	466.6	308.2	177.9	62.6	0.0
15°	920.1	677.8	475.7	313.1	181.2	63.4	0.0
12.5°	936.8	689.1	483.6	317.2	184.1	64.0	0.0
10°	950.6	698.3	490.3	320.4	186.6	64.6	0.0
7.5°	961.4	705.4	495.8	322.9	188.6	65.0	0.0
5°	969.3	710.3	500.0	324.5	190.1	65.4	0.0
2.5°	974.2	713.1	502.9	325.3	191.1	65.5	0.0
0°	976.1	713.8	504.5	325.4	191.7	65.6	0.0
-2.5°	974.2	713.1	502.9	325.3	191.1	65.5	0.0
-5°	969.3	710.3	500.0	324.5	190.1	65.4	0.0
-7.5°	961.4	705.4	495.8	322.9	188.6	65.0	0.0
-10°	950.6	698.3	490.3	320.4	186.6	64.6	0.0
-12.5°	936.8	689.1	483.6	317.2	184.1	64.0	0.0
-15°	920.1	677.8	475.7	313.1	181.2	63.4	0.0
-17.5°	900.7	664.3	466.6	308.2	177.9	62.6	0.0
-20°	874.6	648.6	456.5	302.5	174.2	61.6	0.0



REPORT NUMBER: P559110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	840.0	630.7	445.3	295.9	170.0	60.6	0.0
-25°	803.6	607.2	433.0	288.6	165.4	59.5	0.0
-27.5°	765.5	581.0	419.9	280.4	160.4	58.2	0.0
-30°	725.9	553.6	405.5	271.3	155.1	56.8	0.0
-32.5°	684.9	525.1	388.4	261.5	149.3	55.3	0.0
-35°	646.5	495.7	370.3	250.9	143.2	53.7	0.0
-37.5°	609.0	467.6	351.5	239.6	136.8	52.0	0.0
-40°	571.0	442.9	331.9	227.4	130.0	50.2	0.0
-42.5°	532.5	417.3	312.7	214.4	122.9	48.4	0.0
-45°	493.6	391.1	294.0	200.4	115.5	46.4	0.0
-47.5°	454.4	364.2	274.9	186.0	107.8	44.3	0.0
-50°	420.6	336.6	255.3	173.2	99.8	42.2	0.0
-52.5°	387.1	308.5	235.2	160.7	91.6	39.9	0.0
-55°	353.2	282.8	214.8	147.9	83.1	37.6	0.0
-57.5°	318.8	257.4	194.0	134.8	74.4	35.2	0.0
-60°	284.5	231.6	173.0	121.4	65.5	32.8	0.0
-62.5°	254.3	205.6	155.3	107.8	60.5	30.3	0.0
-65°	223.9	179.4	137.2	94.0	55.4	27.7	0.0
-67.5°	193.3	155.1	119.0	79.9	50.2	25.1	0.0
-70°	162.7	132.7	100.5	65.7	44.8	22.4	0.0
-72.5°	135.8	110.1	81.9	56.6	39.4	19.7	0.0
-75°	109.5	87.3	63.1	48.6	33.9	17.0	0.0
-77.5°	83.0	64.5	51.3	40.6	28.4	14.2	0.0
-80°	56.4	48.6	41.1	32.5	22.8	11.4	0.0
-82.5°	41.2	36.4	30.9	24.4	17.1	8.6	0.0
-85°	27.4	24.3	20.6	16.3	11.4	5.7	0.0
-87.5°	13.7	12.2	10.3	8.1	5.7	2.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)