

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: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-940-U-NAT-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558838 (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-SA3D-940-U-NAT-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, NARROW ASYMMETRICAL RECTANGULAR
6x4
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

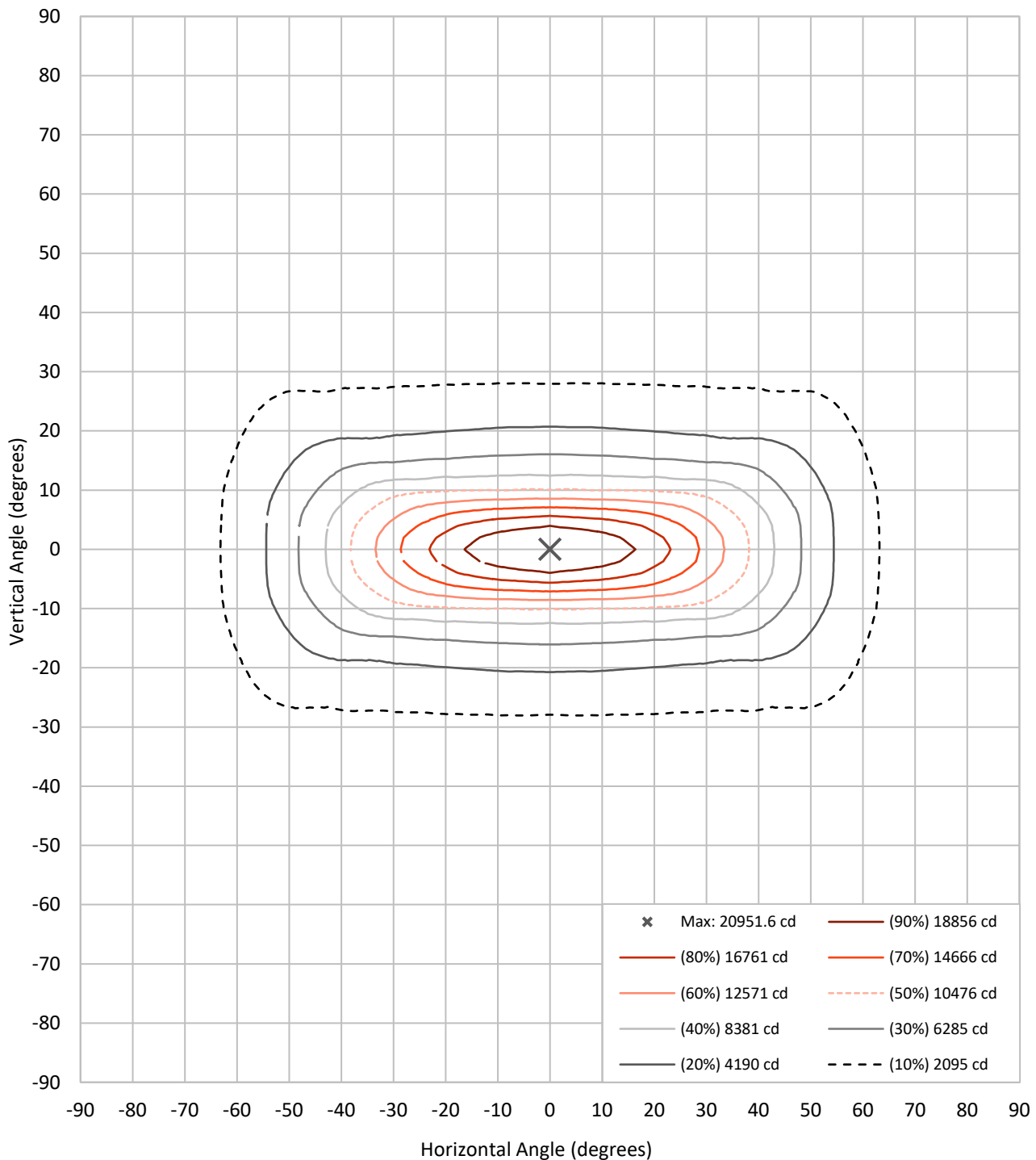
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	15005.1 lumens	Max Intensity:	20951.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	95.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	6003.5 lumens	Field Lumens:	12298.3 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

Input Watts (W): 158
Input Voltage (V): 120
Input Current (A_{in}): 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-SA3D-940-U-NAT-XX

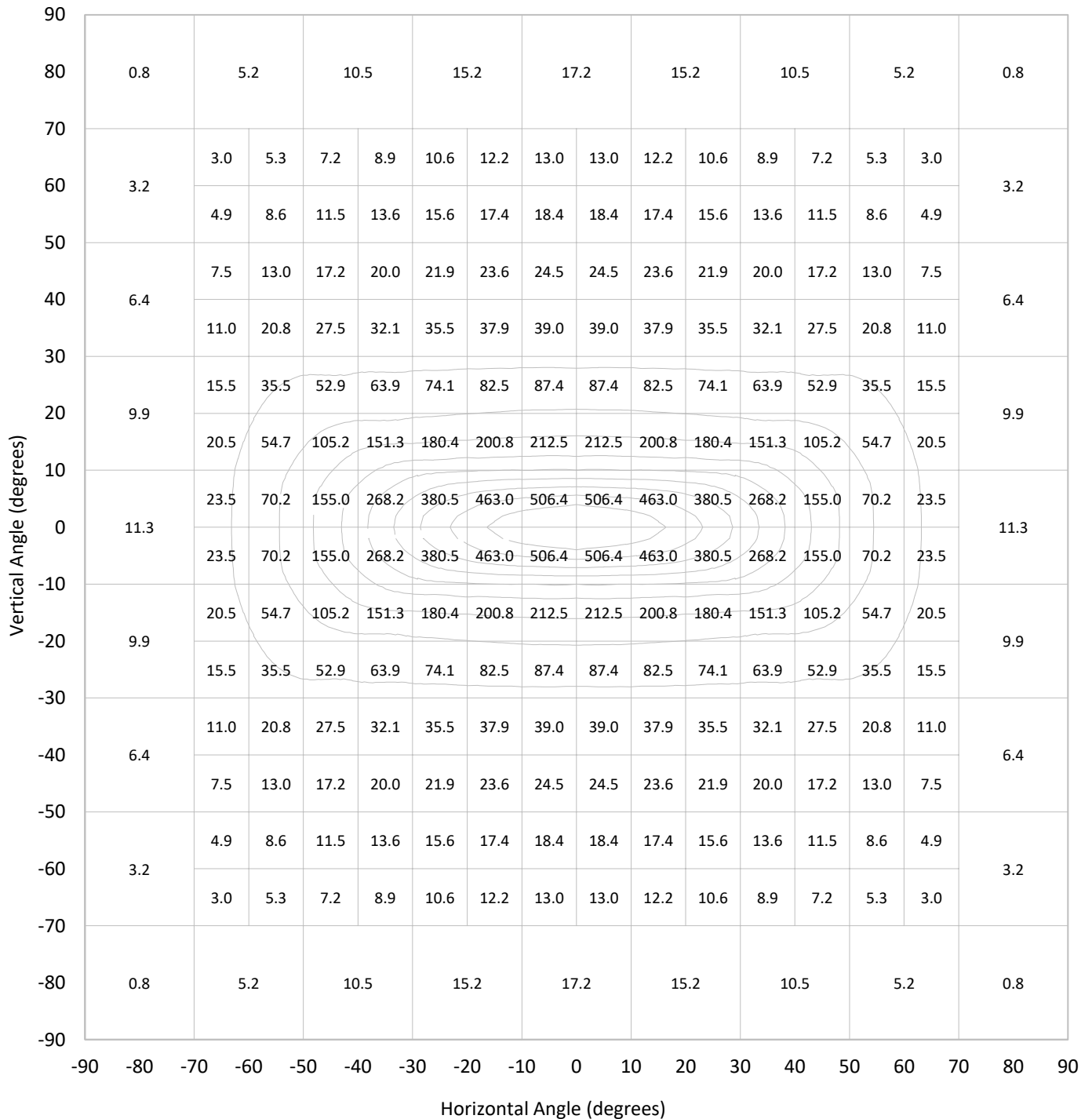
Iso-Candela Plot





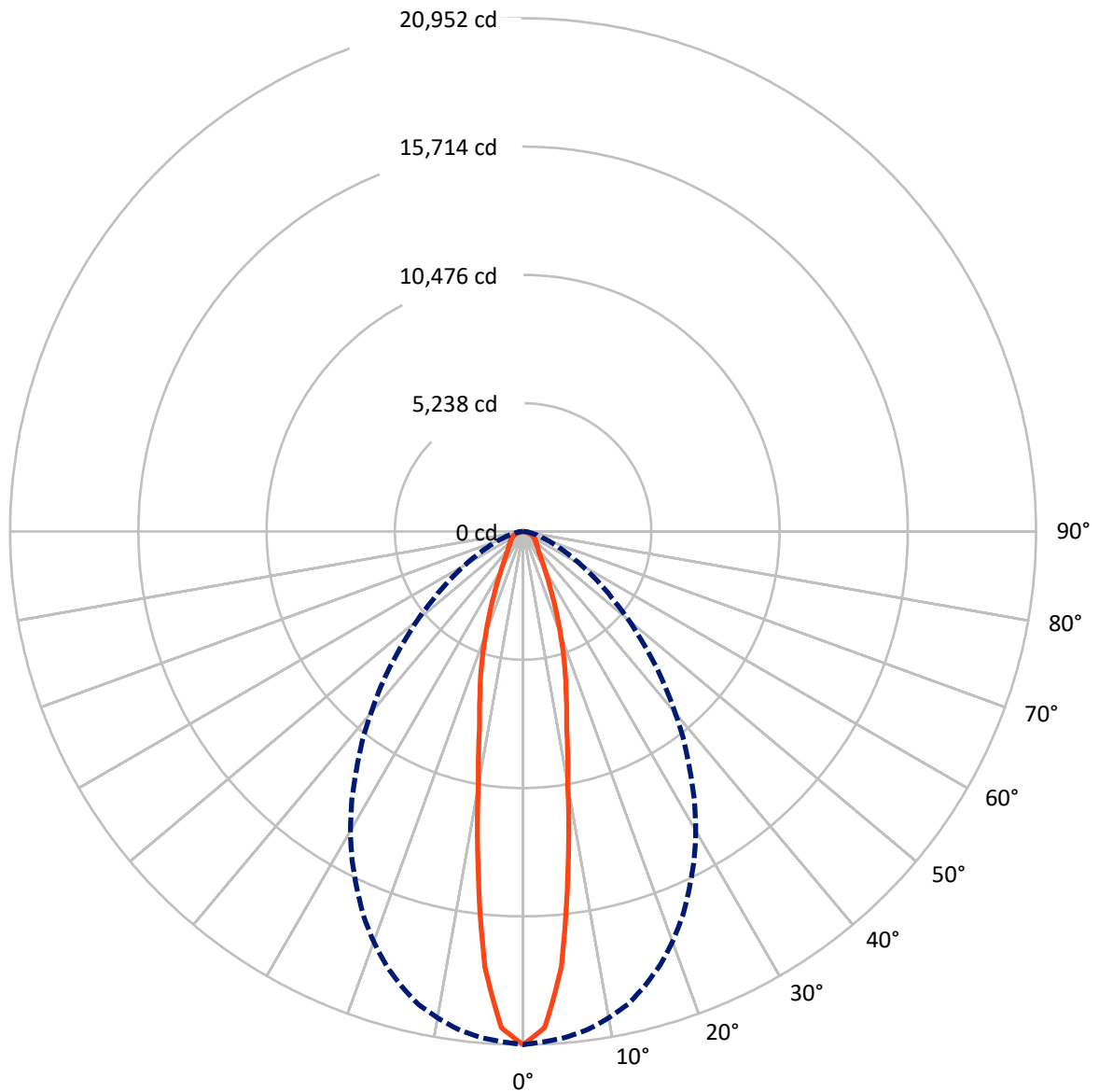
REPORT NUMBER: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-U-NAT-XX

Lumen Table



REPORT NUMBER: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
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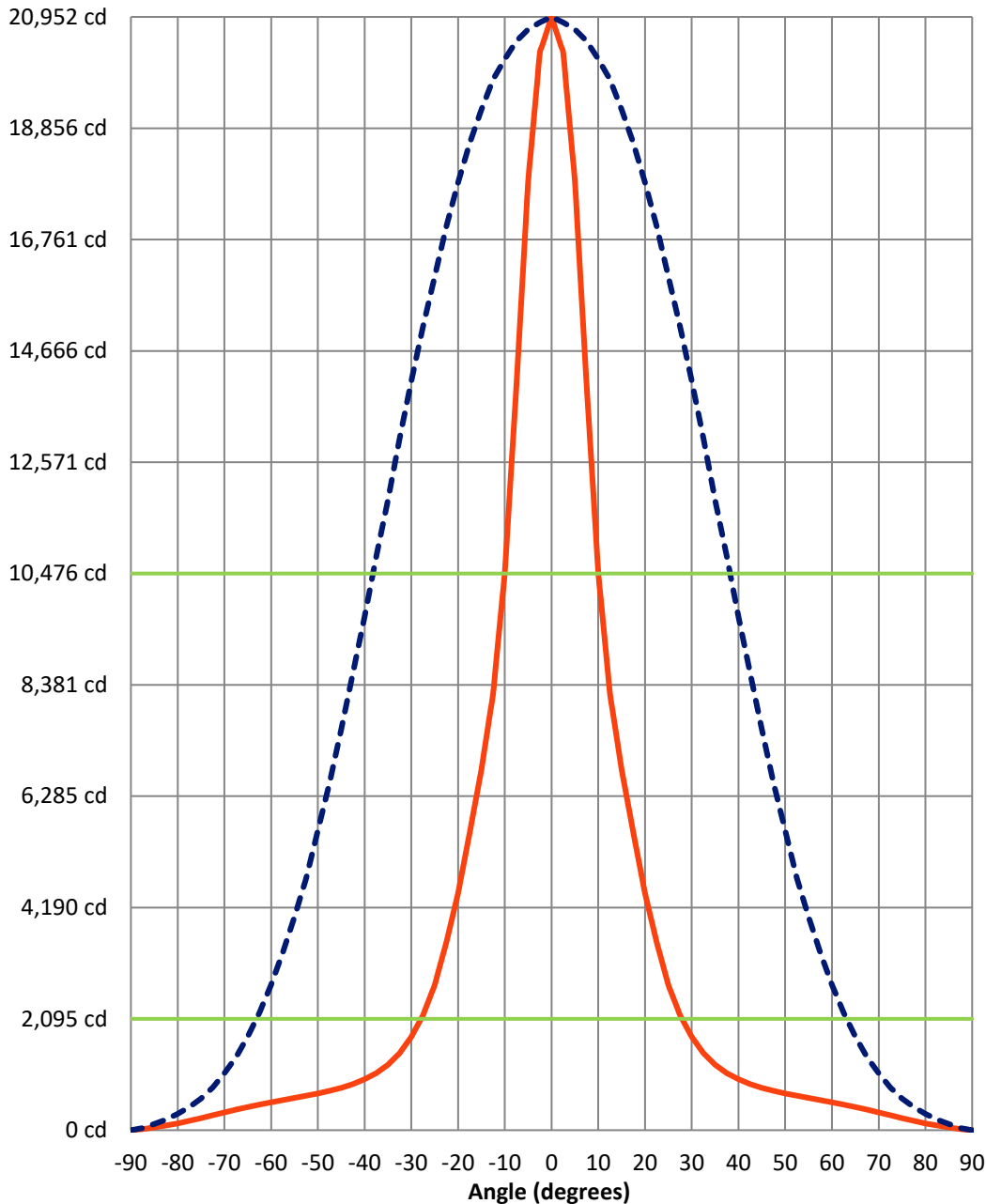
Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: GFLD-SA3D-940-U-NAT-XX

Luminous Intensity Plot



Beam:
 H Angle: 76.4°
 V Angle: 20°
 Lumens: 6003.5
 Efficiency: 40.0%

Field:
 H Angle: 126.3°
 V Angle: 55.8°
 Lumens: 12298.3
 Efficiency: 82.0%

Spill:
 Lumens: 2706.8
 Efficiency: 18.0%

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



REPORT NUMBER: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-U-NAT-XX

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	1.7	3.5	5.0	6.3	7.4	8.4	9.5	10.5	11.5	12.3
85°	0.0	3.5	7.0	9.9	12.5	14.8	16.7	18.9	21.0	22.9	24.7
82.5°	0.0	5.2	10.4	14.9	18.8	22.2	25.1	28.4	32.2	38.4	44.0
80°	0.0	6.9	13.9	19.8	25.1	29.6	34.4	43.7	52.3	60.2	67.3
77.5°	0.0	8.7	17.3	24.7	31.3	39.3	50.6	61.9	72.4	82.0	91.2
75°	0.0	10.3	20.7	29.6	38.5	53.2	66.7	80.0	92.8	105.6	116.6
72.5°	0.0	12.0	24.0	34.5	49.9	67.1	82.8	98.8	115.4	129.9	142.1
70°	0.0	13.7	27.3	40.1	61.3	80.8	99.1	119.6	138.1	154.3	170.2
67.5°	0.0	15.3	30.6	48.7	72.5	94.5	117.8	140.3	160.9	182.1	199.1
65°	0.0	16.9	33.8	57.3	83.6	109.3	136.4	161.0	187.2	210.0	230.1
62.5°	0.0	18.5	36.9	65.7	94.6	125.3	154.9	184.2	213.6	239.3	265.5
60°	0.0	20.0	40.0	74.0	105.5	141.2	173.4	208.4	240.1	272.5	301.1
57.5°	0.0	21.5	45.4	82.2	118.2	156.9	194.3	232.5	269.9	305.8	339.6
55°	0.0	22.9	50.7	90.1	130.9	172.4	215.2	256.6	300.3	340.4	380.3
52.5°	0.0	24.3	55.8	97.9	143.4	188.0	235.9	283.6	330.6	379.5	422.0
50°	0.0	25.7	60.9	105.6	155.6	205.2	256.3	311.1	362.7	419.3	471.6
47.5°	0.0	27.0	65.7	113.4	167.5	221.9	276.9	338.7	399.4	459.7	523.9
45°	0.0	28.3	70.4	122.2	179.2	238.4	300.9	366.4	436.8	509.0	577.9
42.5°	0.0	29.5	74.9	130.7	190.6	254.3	324.6	397.1	474.3	559.5	639.6
40°	0.0	30.6	79.2	138.6	202.3	269.9	348.0	429.5	514.3	611.0	704.4
37.5°	0.0	31.7	83.4	146.0	214.3	285.0	371.2	461.5	559.7	664.9	771.3
35°	0.0	32.8	87.3	152.9	225.7	302.1	394.1	493.1	604.9	724.6	843.9
32.5°	0.0	33.7	91.0	159.4	236.7	320.0	417.4	524.1	649.8	785.1	923.6
30°	0.0	34.6	94.5	165.4	247.2	337.4	442.4	556.1	694.2	846.2	1005.3
27.5°	0.0	35.5	97.8	170.9	255.9	354.1	466.6	592.2	740.6	907.5	1088.3
25°	0.0	36.3	100.8	175.9	263.9	370.1	489.8	627.3	790.7	974.2	1172.6
22.5°	0.0	37.0	103.6	180.4	271.4	384.4	512.0	661.2	839.9	1043.1	1264.8
20°	0.0	37.6	106.1	184.4	278.2	395.3	533.1	693.7	887.8	1111.1	1356.2
17.5°	0.0	38.1	108.4	187.8	284.4	404.9	549.0	724.6	934.1	1177.6	1446.1
15°	0.0	38.6	110.4	190.8	289.9	413.1	560.8	748.9	978.4	1242.0	1533.8
12.5°	0.0	39.1	112.2	193.3	294.7	420.1	571.0	764.8	1010.1	1303.6	1618.3
10°	0.0	39.4	113.7	195.3	298.8	425.7	579.4	777.9	1030.4	1332.7	1684.3
7.5°	0.0	39.7	114.9	196.8	302.2	429.9	586.0	788.3	1046.8	1351.9	1714.1
5°	0.0	39.8	115.8	197.8	304.8	432.9	590.9	795.8	1059.2	1365.1	1737.3
2.5°	0.0	40.0	116.5	198.3	306.5	434.6	593.9	800.6	1067.5	1372.6	1753.3
0°	0.0	40.0	116.8	198.3	307.5	435.1	595.0	802.5	1071.6	1374.4	1761.8
-2.5°	0.0	40.0	116.5	198.3	306.5	434.6	593.9	800.6	1067.5	1372.6	1753.3
-5°	0.0	39.8	115.8	197.8	304.8	432.9	590.9	795.8	1059.2	1365.1	1737.3
-7.5°	0.0	39.7	114.9	196.8	302.2	429.9	586.0	788.3	1046.8	1351.9	1714.1
-10°	0.0	39.4	113.7	195.3	298.8	425.7	579.4	777.9	1030.4	1332.7	1684.3
-12.5°	0.0	39.1	112.2	193.3	294.7	420.1	571.0	764.8	1010.1	1303.6	1618.3
-15°	0.0	38.6	110.4	190.8	289.9	413.1	560.8	748.9	978.4	1242.0	1533.8
-17.5°	0.0	38.1	108.4	187.8	284.4	404.9	549.0	724.6	934.1	1177.6	1446.1
-20°	0.0	37.6	106.1	184.4	278.2	395.3	533.1	693.7	887.8	1111.1	1356.2



REPORT NUMBER: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-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	37.0	103.6	180.4	271.4	384.4	512.0	661.2	839.9	1043.1	1264.8
-25°	0.0	36.3	100.8	175.9	263.9	370.1	489.8	627.3	790.7	974.2	1172.6
-27.5°	0.0	35.5	97.8	170.9	255.9	354.1	466.6	592.2	740.6	907.5	1088.3
-30°	0.0	34.6	94.5	165.4	247.2	337.4	442.4	556.1	694.2	846.2	1005.3
-32.5°	0.0	33.7	91.0	159.4	236.7	320.0	417.4	524.1	649.8	785.1	923.6
-35°	0.0	32.8	87.3	152.9	225.7	302.1	394.1	493.1	604.9	724.6	843.9
-37.5°	0.0	31.7	83.4	146.0	214.3	285.0	371.2	461.5	559.7	664.9	771.3
-40°	0.0	30.6	79.2	138.6	202.3	269.9	348.0	429.5	514.3	611.0	704.4
-42.5°	0.0	29.5	74.9	130.7	190.6	254.3	324.6	397.1	474.3	559.5	639.6
-45°	0.0	28.3	70.4	122.2	179.2	238.4	300.9	366.4	436.8	509.0	577.9
-47.5°	0.0	27.0	65.7	113.4	167.5	221.9	276.9	338.7	399.4	459.7	523.9
-50°	0.0	25.7	60.9	105.6	155.6	205.2	256.3	311.1	362.7	419.3	471.6
-52.5°	0.0	24.3	55.8	97.9	143.4	188.0	235.9	283.6	330.6	379.5	422.0
-55°	0.0	22.9	50.7	90.1	130.9	172.4	215.2	256.6	300.3	340.4	380.3
-57.5°	0.0	21.5	45.4	82.2	118.2	156.9	194.3	232.5	269.9	305.8	339.6
-60°	0.0	20.0	40.0	74.0	105.5	141.2	173.4	208.4	240.1	272.5	301.1
-62.5°	0.0	18.5	36.9	65.7	94.6	125.3	154.9	184.2	213.6	239.3	265.5
-65°	0.0	16.9	33.8	57.3	83.6	109.3	136.4	161.0	187.2	210.0	230.1
-67.5°	0.0	15.3	30.6	48.7	72.5	94.5	117.8	140.3	160.9	182.1	199.1
-70°	0.0	13.7	27.3	40.1	61.3	80.8	99.1	119.6	138.1	154.3	170.2
-72.5°	0.0	12.0	24.0	34.5	49.9	67.1	82.8	98.8	115.4	129.9	142.1
-75°	0.0	10.3	20.7	29.6	38.5	53.2	66.7	80.0	92.8	105.6	116.6
-77.5°	0.0	8.7	17.3	24.7	31.3	39.3	50.6	61.9	72.4	82.1	91.2
-80°	0.0	6.9	13.9	19.8	25.1	29.6	34.4	43.7	52.3	60.2	67.3
-82.5°	0.0	5.2	10.4	14.9	18.8	22.2	25.1	28.4	32.2	38.4	44.0
-85°	0.0	3.5	7.0	9.9	12.5	14.8	16.7	18.9	21.0	22.9	24.7
-87.5°	0.0	1.7	3.5	5.0	6.3	7.4	8.4	9.5	10.5	11.5	12.3
-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: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-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°	13.3	14.2	15.1	15.9	16.6	17.3	17.9	18.5	19.2	20.0	20.7
85°	26.6	28.4	31.5	34.0	36.3	38.3	40.0	41.4	42.9	44.1	45.1
82.5°	48.9	53.1	56.3	58.8	61.6	64.0	66.1	68.0	69.9	71.7	73.2
80°	73.2	77.8	82.6	86.8	90.9	93.9	95.9	96.7	99.1	102.2	105.4
77.5°	99.2	106.2	112.4	117.8	122.2	126.0	128.8	130.5	134.3	138.8	142.7
75°	126.1	134.7	143.3	150.9	156.9	161.3	164.5	167.2	171.8	177.7	182.7
72.5°	154.2	165.8	176.0	184.8	192.8	199.0	203.5	206.5	211.2	218.1	223.6
70°	183.8	197.1	210.9	222.2	230.8	238.0	244.0	248.1	252.3	259.3	264.5
67.5°	214.4	233.4	248.7	260.7	270.2	279.1	285.9	290.3	292.2	299.2	305.1
65°	250.5	270.8	287.9	301.3	310.9	321.8	329.3	333.1	334.3	342.0	349.2
62.5°	287.3	309.7	328.4	343.9	356.2	366.6	375.1	379.9	380.7	386.4	394.7
60°	326.5	349.5	371.8	390.3	403.6	414.3	423.5	428.5	429.6	431.9	441.4
57.5°	367.4	392.2	418.2	439.1	454.5	463.4	473.4	479.0	481.3	479.9	489.7
55°	411.9	437.7	467.0	491.3	507.9	515.9	525.3	533.3	536.0	534.3	540.1
52.5°	462.3	488.0	519.3	546.0	564.4	574.1	580.7	590.4	594.8	592.8	591.7
50°	515.3	547.6	573.4	604.0	626.2	639.0	639.1	651.1	656.9	655.1	647.2
47.5°	575.3	611.7	631.2	666.2	695.2	710.1	711.1	715.9	723.0	724.9	718.1
45°	640.0	684.5	705.5	736.8	769.2	787.5	793.0	784.4	797.2	801.1	796.8
42.5°	708.3	764.9	798.2	810.9	848.6	874.0	883.8	877.8	877.1	886.0	885.9
40°	787.1	852.1	902.1	915.3	934.3	969.4	990.2	989.0	965.8	982.4	986.7
37.5°	871.3	955.9	1017.6	1045.1	1030.6	1077.4	1107.8	1120.1	1105.7	1089.3	1107.9
35°	960.0	1066.9	1150.1	1196.8	1198.9	1197.8	1245.5	1271.0	1272.8	1242.9	1249.6
32.5°	1059.2	1184.7	1294.9	1370.5	1404.8	1383.6	1396.1	1449.7	1476.0	1464.6	1421.6
30°	1165.7	1319.8	1454.8	1561.5	1638.3	1660.9	1609.8	1651.6	1709.9	1733.1	1714.4
27.5°	1273.5	1463.1	1634.3	1782.2	1901.2	1976.6	1978.4	1913.7	1979.7	2035.8	2057.4
25°	1383.0	1606.4	1824.6	2025.2	2205.1	2334.8	2394.4	2401.3	2308.9	2392.9	2471.1
22.5°	1499.7	1753.9	2012.9	2283.9	2534.7	2725.0	2869.5	2956.7	2953.8	2865.6	2934.4
20°	1623.1	1914.5	2216.0	2537.5	2879.5	3141.1	3383.4	3568.7	3680.3	3717.3	3645.1
17.5°	1746.3	2076.5	2429.3	2812.1	3207.9	3570.5	3933.7	4229.4	4463.6	4655.9	4724.7
15°	1868.0	2238.1	2643.4	3088.7	3546.1	3999.9	4466.8	4919.7	5318.3	5670.2	5878.9
12.5°	1986.9	2397.5	2855.9	3363.9	3888.9	4435.2	4992.3	5544.0	6118.3	6688.3	7121.6
10°	2101.5	2552.7	3063.9	3634.4	4231.5	4870.3	5516.9	6171.6	6869.3	7541.5	8188.8
7.5°	2150.5	2654.2	3243.1	3896.4	4568.2	5298.7	6033.5	6793.6	7608.8	8393.2	9183.5
5°	2180.8	2694.4	3293.4	3974.1	4721.4	5578.3	6455.0	7396.5	8326.8	9229.9	10161.2
2.5°	2200.9	2722.0	3327.0	4004.8	4744.2	5624.3	6511.9	7489.5	8533.3	9577.5	10686.3
0°	2210.8	2736.6	3343.8	4014.1	4741.3	5639.1	6533.9	7542.4	8600.2	9662.5	10797.1
-2.5°	2200.9	2722.0	3327.0	4004.8	4744.2	5624.3	6511.9	7489.5	8533.3	9577.5	10686.3
-5°	2180.8	2694.4	3293.4	3974.1	4721.4	5578.3	6455.0	7396.5	8326.8	9229.9	10161.2
-7.5°	2150.5	2654.2	3243.1	3896.4	4568.2	5298.7	6033.5	6793.6	7608.8	8393.2	9183.5
-10°	2101.5	2552.7	3063.9	3634.4	4231.5	4870.3	5516.9	6171.6	6869.3	7541.5	8188.8
-12.5°	1986.9	2397.5	2855.9	3363.9	3888.9	4435.2	4992.3	5544.0	6118.3	6688.3	7121.6
-15°	1868.0	2238.1	2643.4	3088.7	3546.1	3999.9	4466.8	4919.7	5318.3	5670.2	5878.9
-17.5°	1746.3	2076.5	2429.3	2812.1	3207.9	3570.5	3933.7	4229.4	4463.6	4655.9	4724.7
-20°	1623.1	1914.5	2216.0	2537.5	2879.5	3141.1	3383.4	3568.7	3680.3	3717.3	3645.1



REPORT NUMBER: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-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°	1499.7	1753.9	2012.9	2283.9	2534.7	2725.0	2869.5	2956.7	2953.8	2865.6	2934.4
-25°	1383.0	1606.4	1824.6	2025.2	2205.1	2334.8	2394.4	2401.3	2308.9	2392.9	2471.1
-27.5°	1273.5	1463.1	1634.3	1782.2	1901.2	1976.6	1978.4	1913.7	1979.7	2035.8	2057.4
-30°	1165.7	1319.8	1454.8	1561.5	1638.3	1660.9	1609.8	1651.6	1709.9	1733.1	1714.4
-32.5°	1059.2	1184.7	1294.9	1370.5	1404.8	1383.6	1396.1	1449.7	1476.0	1464.6	1421.6
-35°	960.0	1066.9	1150.1	1196.8	1198.9	1197.8	1245.5	1271.0	1272.8	1242.9	1249.6
-37.5°	871.3	955.9	1017.6	1045.1	1030.6	1077.4	1107.8	1120.1	1105.7	1089.3	1107.9
-40°	787.1	852.1	902.1	915.3	934.3	969.4	990.2	989.0	965.8	982.4	986.7
-42.5°	708.3	764.9	798.2	810.9	848.6	874.0	883.8	877.8	877.1	886.0	885.9
-45°	640.0	684.5	705.5	736.8	769.2	787.5	793.0	784.4	797.2	801.1	796.8
-47.5°	575.3	611.7	631.2	666.2	695.2	710.1	711.1	715.9	723.0	724.9	718.1
-50°	515.3	547.6	573.4	604.0	626.2	639.0	639.1	651.1	656.9	655.1	647.2
-52.5°	462.3	488.0	519.3	546.0	564.4	574.1	580.7	590.4	594.8	592.8	591.7
-55°	411.9	437.7	467.0	491.3	507.9	515.9	525.3	533.3	536.0	534.3	540.1
-57.5°	367.4	392.2	418.2	439.1	454.5	463.4	473.4	479.0	481.3	479.9	489.7
-60°	326.5	349.5	371.8	390.3	403.6	414.3	423.5	428.5	429.6	431.9	441.4
-62.5°	287.3	309.7	328.4	343.9	356.2	366.6	375.1	379.9	380.7	386.4	394.7
-65°	250.5	270.8	287.9	301.3	310.9	321.8	329.3	333.1	334.3	342.0	349.2
-67.5°	214.4	233.4	248.7	260.7	270.2	279.1	285.9	290.3	292.2	299.2	305.1
-70°	183.8	197.1	210.9	222.2	230.8	238.0	244.0	248.1	252.3	259.3	264.5
-72.5°	154.2	165.8	176.0	184.8	192.8	199.0	203.5	206.5	211.2	218.1	223.6
-75°	126.1	134.7	143.3	150.9	156.9	161.3	164.5	167.2	171.8	177.7	182.7
-77.5°	99.2	106.2	112.4	117.8	122.2	126.0	128.8	130.5	134.3	138.8	142.7
-80°	73.2	77.8	82.6	86.8	90.9	93.9	95.9	96.7	99.1	102.2	105.4
-82.5°	48.9	53.1	56.3	58.8	61.6	64.0	66.1	68.0	69.9	71.7	73.2
-85°	26.6	28.4	31.5	34.0	36.3	38.3	40.0	41.4	42.9	44.1	45.1
-87.5°	13.3	14.2	15.1	15.9	16.6	17.3	17.9	18.5	19.2	20.0	20.7
-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: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-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°	21.4	21.1	20.6	20.1	19.5	19.5	19.5	19.4	19.3	19.1	18.9
85°	45.8	46.6	47.5	48.2	49.0	49.8	50.5	51.0	51.5	51.5	51.3
82.5°	74.5	77.0	79.5	81.8	84.0	85.2	86.1	86.6	87.0	87.7	88.2
80°	108.2	111.8	115.2	118.0	120.3	122.0	123.4	124.5	125.3	126.2	126.8
77.5°	146.3	150.4	154.3	157.7	160.7	163.4	165.8	167.6	169.0	171.2	173.1
75°	186.9	191.5	196.3	200.7	204.5	208.5	212.5	216.2	219.5	222.2	224.3
72.5°	227.9	232.8	238.7	244.2	249.4	254.8	260.2	264.9	268.9	272.8	276.2
70°	268.5	273.0	280.6	288.0	294.9	301.4	307.9	313.7	318.8	323.8	328.3
67.5°	310.3	315.1	324.6	333.1	340.7	347.9	355.4	362.1	367.9	373.2	377.8
65°	354.9	359.2	369.4	378.7	386.8	393.5	401.6	409.0	415.5	421.3	426.2
62.5°	401.1	405.3	413.8	423.0	430.7	437.2	446.7	455.0	461.9	467.8	472.7
60°	447.9	451.6	458.1	468.2	476.8	483.9	492.3	500.3	507.2	512.9	518.1
57.5°	496.6	500.3	503.5	513.6	521.9	528.3	535.6	543.5	550.1	555.6	560.9
55°	546.9	549.7	548.7	558.1	565.9	571.1	576.6	584.9	591.5	596.3	601.2
52.5°	598.3	601.6	599.3	603.3	611.7	616.5	618.8	627.8	634.6	638.9	643.3
50°	655.5	658.2	656.1	653.8	662.0	666.9	668.3	675.6	681.7	685.0	688.1
47.5°	717.5	720.8	719.2	710.2	717.5	723.7	723.9	727.0	733.3	735.8	737.8
45°	785.0	791.4	790.0	783.8	782.8	789.1	788.5	786.0	793.3	796.6	797.6
42.5°	873.6	871.5	873.4	869.8	858.7	865.9	866.8	857.7	866.8	870.7	868.4
40°	981.9	962.1	973.0	971.4	961.0	959.4	965.1	957.6	959.0	964.7	960.3
37.5°	1110.9	1096.8	1090.8	1095.7	1092.7	1079.3	1090.0	1087.3	1078.9	1088.4	1084.2
35°	1269.6	1265.4	1233.6	1252.9	1257.0	1244.3	1247.9	1253.4	1235.1	1249.5	1248.0
32.5°	1455.2	1464.6	1457.8	1445.8	1463.9	1466.2	1445.3	1470.4	1460.3	1463.9	1473.8
30°	1665.4	1713.7	1737.1	1716.1	1727.4	1749.9	1739.6	1757.0	1765.4	1752.3	1777.1
27.5°	2032.6	2015.5	2071.8	2096.2	2070.1	2111.0	2140.7	2127.5	2171.0	2145.3	2182.1
25°	2499.3	2474.2	2489.2	2570.1	2588.1	2567.3	2651.1	2660.9	2695.5	2699.7	2725.3
22.5°	3047.6	3108.3	3101.2	3125.9	3227.5	3261.5	3292.4	3373.0	3354.6	3427.7	3440.3
20°	3660.7	3813.2	3918.3	3940.4	3983.8	4100.6	4154.2	4217.8	4260.5	4329.6	4388.1
17.5°	4697.8	4619.6	4825.7	4955.1	5023.2	5047.5	5188.3	5234.2	5339.9	5400.2	5460.2
15°	6029.3	6074.8	5981.8	6105.2	6313.7	6384.1	6303.2	6492.2	6545.3	6647.0	6665.0
12.5°	7452.5	7682.9	7795.9	7826.6	7717.6	8014.2	8133.0	7983.9	8153.0	8122.5	8261.7
10°	8810.5	9370.3	9705.4	9941.1	10084.4	10170.7	10256.5	10410.7	10413.3	10527.5	10460.8
7.5°	9925.4	10635.2	11313.2	11970.9	12497.1	12792.0	13023.6	13245.8	13542.2	13684.1	13776.3
5°	11016.2	11835.1	12646.3	13443.6	14165.7	14860.3	15541.1	16131.7	16444.6	16810.3	17136.4
2.5°	11721.7	12757.5	13793.6	14819.8	15654.1	16419.6	17128.2	17786.3	18363.6	18897.6	19348.7
0°	11859.4	13018.6	14099.4	15123.3	16062.7	17008.1	17833.7	18577.8	19206.6	19773.9	20156.7
-2.5°	11721.7	12757.5	13793.6	14819.8	15654.1	16419.6	17128.2	17786.3	18363.6	18897.6	19348.7
-5°	11016.2	11835.1	12646.3	13443.6	14165.7	14860.3	15541.1	16131.7	16444.6	16810.3	17136.4
-7.5°	9925.4	10635.2	11313.2	11970.9	12497.1	12792.0	13023.6	13245.8	13542.2	13684.1	13776.3
-10°	8810.5	9370.3	9705.4	9941.1	10084.4	10170.7	10256.5	10410.7	10413.3	10527.5	10460.8
-12.5°	7452.5	7682.9	7795.9	7826.6	7717.6	8014.2	8133.0	7983.9	8153.0	8122.5	8261.7
-15°	6029.3	6074.8	5981.8	6105.2	6313.7	6384.1	6303.2	6492.2	6545.3	6647.0	6665.0
-17.5°	4697.8	4619.6	4825.7	4955.1	5023.2	5047.5	5188.3	5234.2	5339.9	5400.2	5460.2
-20°	3660.7	3813.2	3918.3	3940.4	3983.8	4100.6	4154.2	4217.8	4260.5	4329.6	4388.1



REPORT NUMBER: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3047.6	3108.3	3101.2	3125.9	3227.5	3261.5	3292.4	3373.0	3354.6	3427.7	3440.3
-25°	2499.3	2474.2	2489.2	2570.1	2588.1	2567.3	2651.1	2660.9	2695.5	2699.7	2725.3
-27.5°	2032.6	2015.5	2071.8	2096.2	2070.1	2111.0	2140.7	2127.5	2171.0	2145.3	2182.1
-30°	1665.4	1713.7	1737.1	1716.1	1727.4	1749.9	1739.6	1757.0	1765.4	1752.3	1777.1
-32.5°	1455.2	1464.6	1457.8	1445.8	1463.9	1466.2	1445.3	1470.4	1460.3	1463.9	1473.8
-35°	1269.6	1265.4	1233.6	1252.9	1257.0	1244.3	1247.9	1253.4	1235.1	1249.5	1248.0
-37.5°	1110.9	1096.8	1090.8	1095.7	1092.7	1079.3	1090.0	1087.3	1078.9	1088.4	1084.2
-40°	981.9	962.1	973.0	971.4	961.0	959.4	965.1	957.6	959.0	964.7	960.3
-42.5°	873.6	871.5	873.4	869.8	858.7	865.9	866.8	857.7	866.8	870.7	868.4
-45°	785.0	791.4	790.0	783.8	782.8	789.1	788.5	786.0	793.3	796.6	797.6
-47.5°	717.5	720.8	719.2	710.2	717.5	723.7	723.9	727.0	733.3	735.8	737.8
-50°	655.5	658.2	656.1	653.8	662.0	666.9	668.3	675.6	681.7	685.0	688.1
-52.5°	598.3	601.6	599.3	603.3	611.7	616.5	618.8	627.8	634.6	638.9	643.3
-55°	546.9	549.7	548.7	558.1	565.9	571.1	576.6	584.9	591.5	596.3	601.2
-57.5°	496.6	500.3	503.5	513.6	521.9	528.3	535.6	543.5	550.1	555.6	560.9
-60°	447.9	451.6	458.1	468.2	476.8	483.9	492.3	500.3	507.2	512.9	518.1
-62.5°	401.1	405.3	413.8	423.0	430.7	437.2	446.7	455.0	461.9	467.8	472.7
-65°	354.9	359.2	369.4	378.7	386.8	393.5	401.6	409.0	415.5	421.3	426.2
-67.5°	310.3	315.1	324.6	333.1	340.7	347.9	355.4	362.1	367.9	373.2	377.8
-70°	268.5	273.0	280.6	288.0	294.9	301.4	307.9	313.7	318.8	323.8	328.3
-72.5°	227.9	232.8	238.7	244.2	249.4	254.8	260.2	264.9	268.9	272.8	276.2
-75°	186.9	191.5	196.3	200.7	204.5	208.5	212.5	216.2	219.5	222.2	224.3
-77.5°	146.3	150.4	154.3	157.7	160.7	163.4	165.8	167.6	169.0	171.2	173.1
-80°	108.2	111.8	115.2	118.0	120.3	122.0	123.4	124.5	125.3	126.2	126.8
-82.5°	74.5	77.0	79.5	81.8	84.0	85.2	86.1	86.6	87.0	87.7	88.2
-85°	45.8	46.6	47.5	48.2	49.0	49.8	50.5	51.0	51.5	51.5	51.3
-87.5°	21.4	21.1	20.6	20.1	19.5	19.5	19.5	19.4	19.3	19.1	18.9
-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: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-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°	18.6	18.3	19.2	20.0	19.2	18.3	18.6	18.9	19.1	19.3	19.4
85°	50.9	50.5	51.4	52.3	51.4	50.5	50.9	51.3	51.5	51.5	51.0
82.5°	88.6	88.8	89.1	89.2	89.1	88.8	88.6	88.2	87.7	87.0	86.6
80°	127.1	127.0	126.7	126.1	126.7	127.0	127.1	126.8	126.2	125.3	124.5
77.5°	174.7	175.8	176.6	176.8	176.6	175.8	174.7	173.1	171.2	169.0	167.6
75°	225.6	226.4	226.5	226.0	226.5	226.4	225.6	224.3	222.2	219.5	216.2
72.5°	279.1	281.3	281.8	281.3	281.8	281.3	279.1	276.2	272.8	268.9	264.9
70°	332.0	334.9	334.8	333.6	334.8	334.9	332.0	328.3	323.8	318.8	313.7
67.5°	381.4	384.1	386.1	387.4	386.1	384.1	381.4	377.8	373.2	367.9	362.1
65°	430.1	433.0	434.6	435.1	434.6	433.0	430.1	426.2	421.3	415.5	409.0
62.5°	476.4	479.1	480.7	481.2	480.7	479.1	476.4	472.7	467.8	461.9	455.0
60°	522.1	525.0	525.5	524.3	525.5	525.0	522.1	518.1	512.9	507.2	500.3
57.5°	565.0	568.0	567.9	565.8	567.9	568.0	565.0	560.9	555.6	550.1	543.5
55°	604.6	606.8	607.6	607.3	607.6	606.8	604.6	601.2	596.3	591.5	584.9
52.5°	646.6	648.3	649.1	648.8	649.1	648.3	646.6	643.3	638.9	634.6	627.8
50°	690.4	690.6	690.5	690.3	690.5	690.6	690.4	688.1	685.0	681.7	675.6
47.5°	740.4	741.0	741.1	741.0	741.1	741.0	740.4	737.8	735.8	733.3	727.0
45°	799.6	797.9	796.3	796.4	796.3	797.9	799.6	797.6	796.6	793.3	786.0
42.5°	870.6	868.7	866.5	867.1	866.5	868.7	870.6	868.4	870.7	866.8	857.7
40°	964.1	963.6	960.4	959.3	960.4	963.6	964.1	960.3	964.7	959.0	957.6
37.5°	1084.9	1083.1	1076.1	1073.1	1076.1	1083.1	1084.9	1084.2	1088.4	1078.9	1087.3
35°	1243.7	1241.4	1230.6	1231.4	1230.6	1241.4	1243.7	1248.0	1249.5	1235.1	1253.4
32.5°	1468.8	1469.7	1453.5	1449.8	1453.5	1469.7	1468.8	1473.8	1463.9	1460.3	1470.4
30°	1761.7	1768.1	1749.0	1757.2	1749.0	1768.1	1761.7	1777.1	1752.3	1765.4	1757.0
27.5°	2181.4	2193.6	2176.7	2163.1	2176.7	2193.6	2181.4	2182.1	2145.3	2171.0	2127.5
25°	2759.0	2768.1	2748.8	2731.9	2748.8	2768.1	2759.0	2725.3	2699.7	2695.5	2660.9
22.5°	3510.9	3510.3	3509.3	3536.0	3509.3	3510.3	3510.9	3440.3	3427.7	3354.6	3373.0
20°	4425.9	4403.7	4436.9	4458.4	4436.9	4403.7	4425.9	4388.1	4329.6	4260.5	4217.8
17.5°	5474.1	5515.6	5547.5	5600.7	5547.5	5515.6	5474.1	5460.2	5400.2	5339.9	5234.2
15°	6710.1	6772.8	6804.7	6787.6	6804.7	6772.8	6710.1	6665.0	6647.0	6545.3	6492.2
12.5°	8266.6	8341.4	8286.1	8217.4	8286.1	8341.4	8266.6	8261.7	8122.5	8153.0	7983.9
10°	10461.8	10623.0	10632.0	10497.3	10632.0	10623.0	10461.8	10460.8	10527.5	10413.3	10410.7
7.5°	13830.0	13908.2	14027.2	14033.3	14027.2	13908.2	13830.0	13776.3	13684.1	13542.2	13245.8
5°	17284.1	17492.8	17627.3	17859.9	17627.3	17492.8	17284.1	17136.4	16810.3	16444.6	16131.7
2.5°	19639.9	19909.6	20013.1	20276.6	20013.1	19909.6	19639.9	19348.7	18897.6	18363.6	17786.3
0°	20498.0	20716.3	20847.0	20951.6	20847.0	20716.3	20498.0	20156.7	19773.9	19206.6	18577.8
-2.5°	19639.9	19909.6	20013.1	20276.6	20013.1	19909.6	19639.9	19348.7	18897.6	18363.6	17786.3
-5°	17284.1	17492.8	17627.3	17859.9	17627.3	17492.8	17284.1	17136.4	16810.3	16444.6	16131.7
-7.5°	13830.0	13908.2	14027.2	14033.3	14027.2	13908.2	13830.0	13776.3	13684.1	13542.2	13245.8
-10°	10461.8	10623.0	10632.0	10497.3	10632.0	10623.0	10461.8	10460.8	10527.5	10413.3	10410.7
-12.5°	8266.6	8341.4	8286.1	8217.4	8286.1	8341.4	8266.6	8261.7	8122.5	8153.0	7983.9
-15°	6710.1	6772.8	6804.7	6787.6	6804.7	6772.8	6710.1	6665.0	6647.0	6545.3	6492.2
-17.5°	5474.1	5515.6	5547.5	5600.7	5547.5	5515.6	5474.1	5460.2	5400.2	5339.9	5234.2
-20°	4425.9	4403.7	4436.9	4458.4	4436.9	4403.7	4425.9	4388.1	4329.6	4260.5	4217.8



REPORT NUMBER: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-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°	3510.9	3510.3	3509.3	3536.0	3509.3	3510.3	3510.9	3440.3	3427.7	3354.6	3373.0
-25°	2759.0	2768.1	2748.8	2731.9	2748.8	2768.1	2759.0	2725.3	2699.7	2695.5	2660.9
-27.5°	2181.4	2193.6	2176.7	2163.1	2176.7	2193.6	2181.4	2182.1	2145.3	2171.0	2127.5
-30°	1761.7	1768.1	1749.0	1757.2	1749.0	1768.1	1761.7	1777.1	1752.3	1765.4	1757.0
-32.5°	1468.8	1469.7	1453.5	1449.8	1453.5	1469.7	1468.8	1473.8	1463.9	1460.3	1470.4
-35°	1243.7	1241.4	1230.6	1231.4	1230.6	1241.4	1243.7	1248.0	1249.5	1235.1	1253.4
-37.5°	1084.9	1083.1	1076.1	1073.1	1076.1	1083.1	1084.9	1084.2	1088.4	1078.9	1087.3
-40°	964.1	963.6	960.4	959.3	960.4	963.6	964.1	960.3	964.7	959.0	957.6
-42.5°	870.6	868.7	866.5	867.1	866.5	868.7	870.6	868.4	870.7	866.8	857.7
-45°	799.6	797.9	796.3	796.4	796.3	797.9	799.6	797.6	796.6	793.3	786.0
-47.5°	740.4	741.0	741.1	741.0	741.1	741.0	740.4	737.8	735.8	733.3	727.0
-50°	690.4	690.6	690.5	690.3	690.5	690.6	690.4	688.1	685.0	681.7	675.6
-52.5°	646.6	648.3	649.1	648.8	649.1	648.3	646.6	643.3	638.9	634.6	627.8
-55°	604.6	606.8	607.6	607.3	607.6	606.8	604.6	601.2	596.3	591.5	584.9
-57.5°	565.0	568.0	567.9	565.8	567.9	568.0	565.0	560.9	555.6	550.1	543.5
-60°	522.1	525.0	525.5	524.3	525.5	525.0	522.1	518.1	512.9	507.2	500.3
-62.5°	476.4	479.1	480.7	481.2	480.7	479.1	476.4	472.7	467.8	461.9	455.0
-65°	430.1	433.0	434.6	435.1	434.6	433.0	430.1	426.2	421.3	415.5	409.0
-67.5°	381.4	384.1	386.1	387.4	386.1	384.1	381.4	377.8	373.2	367.9	362.1
-70°	332.0	334.9	334.8	333.6	334.8	334.9	332.0	328.3	323.8	318.8	313.7
-72.5°	279.1	281.3	281.8	281.3	281.8	281.3	279.1	276.2	272.8	268.9	264.9
-75°	225.6	226.4	226.5	226.0	226.5	226.4	225.6	224.3	222.2	219.5	216.2
-77.5°	174.7	175.8	176.6	176.8	176.6	175.8	174.7	173.1	171.2	169.0	167.6
-80°	127.1	127.0	126.7	126.1	126.7	127.0	127.1	126.8	126.2	125.3	124.5
-82.5°	88.6	88.8	89.1	89.2	89.1	88.8	88.6	88.2	87.7	87.0	86.6
-85°	50.9	50.5	51.4	52.3	51.4	50.5	50.9	51.3	51.5	51.5	51.0
-87.5°	18.6	18.3	19.2	20.0	19.2	18.3	18.6	18.9	19.1	19.3	19.4
-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: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-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°	19.5	19.5	19.5	20.1	20.6	21.1	21.4	20.7	20.0	19.2	18.5
85°	50.5	49.8	49.0	48.2	47.5	46.6	45.8	45.1	44.1	42.9	41.4
82.5°	86.1	85.2	84.0	81.8	79.5	77.0	74.5	73.2	71.7	69.9	68.0
80°	123.4	122.0	120.3	118.0	115.2	111.8	108.2	105.4	102.2	99.1	96.7
77.5°	165.8	163.4	160.7	157.7	154.3	150.4	146.3	142.7	138.8	134.3	130.5
75°	212.5	208.5	204.5	200.7	196.3	191.5	186.9	182.7	177.7	171.8	167.2
72.5°	260.2	254.8	249.4	244.2	238.7	232.8	227.9	223.6	218.1	211.2	206.5
70°	307.9	301.4	294.9	288.0	280.6	273.0	268.5	264.5	259.3	252.3	248.1
67.5°	355.4	347.9	340.7	333.1	324.6	315.1	310.3	305.1	299.2	292.2	290.3
65°	401.6	393.5	386.8	378.7	369.4	359.2	354.9	349.2	342.0	334.3	333.1
62.5°	446.7	437.2	430.7	423.0	413.8	405.3	401.1	394.7	386.4	380.7	379.9
60°	492.3	483.9	476.8	468.2	458.1	451.6	447.9	441.4	431.9	429.6	428.5
57.5°	535.6	528.3	521.9	513.6	503.5	500.3	496.6	489.7	479.9	481.3	479.0
55°	576.6	571.1	565.9	558.1	548.7	549.7	546.9	540.1	534.3	536.0	533.3
52.5°	618.8	616.5	611.7	603.3	599.3	601.6	598.3	591.7	592.8	594.8	590.4
50°	668.3	666.9	662.0	653.8	656.1	658.2	655.5	647.2	655.1	656.9	651.1
47.5°	723.9	723.7	717.5	710.2	719.2	720.8	717.5	718.1	724.9	723.0	715.9
45°	788.5	789.1	782.8	783.8	790.0	791.4	785.0	796.8	801.1	797.2	784.4
42.5°	866.8	865.9	858.7	869.8	873.4	871.5	873.6	885.9	886.0	877.1	877.8
40°	965.1	959.4	961.0	971.4	973.0	962.1	981.9	986.7	982.4	965.8	989.0
37.5°	1090.0	1079.3	1092.7	1095.7	1090.8	1096.8	1110.9	1107.9	1089.3	1105.7	1120.1
35°	1247.9	1244.3	1257.0	1252.9	1233.6	1265.4	1269.6	1249.6	1242.9	1272.8	1271.0
32.5°	1445.3	1466.2	1463.9	1445.8	1457.8	1464.6	1455.2	1421.6	1464.6	1476.0	1449.7
30°	1739.6	1749.9	1727.4	1716.1	1737.1	1713.7	1665.4	1714.4	1733.1	1709.9	1651.6
27.5°	2140.7	2111.0	2070.1	2096.2	2071.8	2015.5	2032.6	2057.4	2035.8	1979.7	1913.7
25°	2651.1	2567.3	2588.1	2570.1	2489.2	2474.2	2499.3	2471.1	2392.9	2308.9	2401.3
22.5°	3292.4	3261.5	3227.5	3125.9	3101.2	3108.3	3047.6	2934.4	2865.6	2953.8	2956.7
20°	4154.2	4100.6	3983.8	3940.4	3918.3	3813.2	3660.7	3645.1	3717.3	3680.3	3568.7
17.5°	5188.3	5047.5	5023.2	4955.1	4825.7	4619.6	4697.8	4724.7	4655.9	4463.6	4229.4
15°	6303.2	6384.1	6313.7	6105.2	5981.8	6074.8	6029.3	5878.9	5670.2	5318.3	4919.7
12.5°	8133.0	8014.2	7717.6	7826.6	7795.9	7682.9	7452.5	7121.6	6688.3	6118.3	5544.0
10°	10256.5	10170.7	10084.4	9941.1	9705.4	9370.3	8810.5	8188.8	7541.5	6869.3	6171.6
7.5°	13023.6	12792.0	12497.1	11970.9	11313.2	10635.2	9925.4	9183.5	8393.2	7608.8	6793.6
5°	15541.1	14860.3	14165.7	13443.6	12646.3	11835.1	11016.2	10161.2	9229.9	8326.8	7396.5
2.5°	17128.2	16419.6	15654.1	14819.8	13793.6	12757.5	11721.7	10686.3	9577.5	8533.3	7489.5
0°	17833.7	17008.1	16062.7	15123.3	14099.4	13018.6	11859.4	10797.1	9662.5	8600.2	7542.4
-2.5°	17128.2	16419.6	15654.1	14819.8	13793.6	12757.5	11721.7	10686.3	9577.5	8533.3	7489.5
-5°	15541.1	14860.3	14165.7	13443.6	12646.3	11835.1	11016.2	10161.2	9229.9	8326.8	7396.5
-7.5°	13023.6	12792.0	12497.1	11970.9	11313.2	10635.2	9925.4	9183.5	8393.2	7608.8	6793.6
-10°	10256.5	10170.7	10084.4	9941.1	9705.4	9370.3	8810.5	8188.8	7541.5	6869.3	6171.6
-12.5°	8133.0	8014.2	7717.6	7826.6	7795.9	7682.9	7452.5	7121.6	6688.3	6118.3	5544.0
-15°	6303.2	6384.1	6313.7	6105.2	5981.8	6074.8	6029.3	5878.9	5670.2	5318.3	4919.7
-17.5°	5188.3	5047.5	5023.2	4955.1	4825.7	4619.6	4697.8	4724.7	4655.9	4463.6	4229.4
-20°	4154.2	4100.6	3983.8	3940.4	3918.3	3813.2	3660.7	3645.1	3717.3	3680.3	3568.7



REPORT NUMBER: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3292.4	3261.5	3227.5	3125.9	3101.2	3108.3	3047.6	2934.4	2865.6	2953.8	2956.7
-25°	2651.1	2567.3	2588.1	2570.1	2489.2	2474.2	2499.3	2471.1	2392.9	2308.9	2401.3
-27.5°	2140.7	2111.0	2070.1	2096.2	2071.8	2015.5	2032.6	2057.4	2035.8	1979.7	1913.7
-30°	1739.6	1749.9	1727.4	1716.1	1737.1	1713.7	1665.4	1714.4	1733.1	1709.9	1651.6
-32.5°	1445.3	1466.2	1463.9	1445.8	1457.8	1464.6	1455.2	1421.6	1464.6	1476.0	1449.7
-35°	1247.9	1244.3	1257.0	1252.9	1233.6	1265.4	1269.6	1249.6	1242.9	1272.8	1271.0
-37.5°	1090.0	1079.3	1092.7	1095.7	1090.8	1096.8	1110.9	1107.9	1089.3	1105.7	1120.1
-40°	965.1	959.4	961.0	971.4	973.0	962.1	981.9	986.7	982.4	965.8	989.0
-42.5°	866.8	865.9	858.7	869.8	873.4	871.5	873.6	885.9	886.0	877.1	877.8
-45°	788.5	789.1	782.8	783.8	790.0	791.4	785.0	796.8	801.1	797.2	784.4
-47.5°	723.9	723.7	717.5	710.2	719.2	720.8	717.5	718.1	724.9	723.0	715.9
-50°	668.3	666.9	662.0	653.8	656.1	658.2	655.5	647.2	655.1	656.9	651.1
-52.5°	618.8	616.5	611.7	603.3	599.3	601.6	598.3	591.7	592.8	594.8	590.4
-55°	576.6	571.1	565.9	558.1	548.7	549.7	546.9	540.1	534.3	536.0	533.3
-57.5°	535.6	528.3	521.9	513.6	503.5	500.3	496.6	489.7	479.9	481.3	479.0
-60°	492.3	483.9	476.8	468.2	458.1	451.6	447.9	441.4	431.9	429.6	428.5
-62.5°	446.7	437.2	430.7	423.0	413.8	405.3	401.1	394.7	386.4	380.7	379.9
-65°	401.6	393.5	386.8	378.7	369.4	359.2	354.9	349.2	342.0	334.3	333.1
-67.5°	355.4	347.9	340.7	333.1	324.6	315.1	310.3	305.1	299.2	292.2	290.3
-70°	307.9	301.4	294.9	288.0	280.6	273.0	268.5	264.5	259.3	252.3	248.1
-72.5°	260.2	254.8	249.4	244.2	238.7	232.8	227.9	223.6	218.1	211.2	206.5
-75°	212.5	208.5	204.5	200.7	196.3	191.5	186.9	182.7	177.7	171.8	167.2
-77.5°	165.8	163.4	160.7	157.7	154.3	150.4	146.3	142.7	138.8	134.3	130.5
-80°	123.4	122.0	120.3	118.0	115.2	111.8	108.2	105.4	102.2	99.1	96.7
-82.5°	86.1	85.2	84.0	81.8	79.5	77.0	74.5	73.2	71.7	69.9	68.0
-85°	50.5	49.8	49.0	48.2	47.5	46.6	45.8	45.1	44.1	42.9	41.4
-87.5°	19.5	19.5	19.5	20.1	20.6	21.1	21.4	20.7	20.0	19.2	18.5
-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: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-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°	17.9	17.3	16.6	15.9	15.1	14.2	13.3	12.3	11.5	10.5	9.5
85°	40.0	38.3	36.3	34.0	31.5	28.4	26.6	24.7	22.9	21.0	18.9
82.5°	66.1	64.0	61.6	58.8	56.3	53.1	48.9	44.0	38.4	32.2	28.4
80°	95.9	93.9	90.9	86.8	82.6	77.8	73.2	67.3	60.2	52.3	43.7
77.5°	128.8	126.0	122.2	117.8	112.4	106.2	99.2	91.2	82.0	72.4	61.9
75°	164.5	161.3	156.9	150.9	143.3	134.7	126.1	116.6	105.6	92.8	80.0
72.5°	203.5	199.0	192.8	184.8	176.0	165.8	154.2	142.1	129.9	115.4	98.8
70°	244.0	238.0	230.8	222.2	210.9	197.1	183.8	170.2	154.3	138.1	119.6
67.5°	285.9	279.1	270.2	260.7	248.7	233.4	214.4	199.1	182.1	160.9	140.3
65°	329.3	321.8	310.9	301.3	287.9	270.8	250.5	230.1	210.0	187.2	161.0
62.5°	375.1	366.6	356.2	343.9	328.4	309.7	287.3	265.5	239.3	213.6	184.2
60°	423.5	414.3	403.6	390.3	371.8	349.5	326.5	301.1	272.5	240.1	208.4
57.5°	473.4	463.4	454.5	439.1	418.2	392.2	367.4	339.6	305.8	269.9	232.5
55°	525.3	515.9	507.9	491.3	467.0	437.7	411.9	380.3	340.4	300.3	256.6
52.5°	580.7	574.1	564.4	546.0	519.3	488.0	462.3	422.0	379.5	330.6	283.6
50°	639.1	639.0	626.2	604.0	573.4	547.6	515.3	471.6	419.3	362.7	311.1
47.5°	711.1	710.1	695.2	666.2	631.2	611.7	575.3	523.9	459.7	399.4	338.7
45°	793.0	787.5	769.2	736.8	705.5	684.5	640.0	577.9	509.0	436.8	366.4
42.5°	883.8	874.0	848.6	810.9	798.2	764.9	708.3	639.6	559.5	474.3	397.1
40°	990.2	969.4	934.3	915.3	902.1	852.1	787.1	704.4	611.0	514.3	429.5
37.5°	1107.8	1077.4	1030.6	1045.1	1017.6	955.9	871.3	771.3	664.9	559.7	461.5
35°	1245.5	1197.8	1198.9	1196.8	1150.1	1066.9	960.0	843.9	724.6	604.9	493.1
32.5°	1396.1	1383.6	1404.8	1370.5	1294.9	1184.7	1059.2	923.6	785.1	649.8	524.1
30°	1609.8	1660.9	1638.3	1561.5	1454.8	1319.8	1165.7	1005.3	846.2	694.2	556.1
27.5°	1978.4	1976.6	1901.2	1782.2	1634.3	1463.1	1273.5	1088.3	907.5	740.6	592.2
25°	2394.4	2334.8	2205.1	2025.2	1824.6	1606.4	1383.0	1172.6	974.2	790.7	627.3
22.5°	2869.5	2725.0	2534.7	2283.9	2012.9	1753.9	1499.7	1264.8	1043.1	839.9	661.2
20°	3383.4	3141.1	2879.5	2537.5	2216.0	1914.5	1623.1	1356.2	1111.1	887.8	693.7
17.5°	3933.7	3570.5	3207.9	2812.1	2429.3	2076.5	1746.3	1446.1	1177.6	934.1	724.6
15°	4466.8	3999.9	3546.1	3088.7	2643.4	2238.1	1868.0	1533.8	1242.0	978.4	748.9
12.5°	4992.3	4435.2	3888.9	3363.9	2855.9	2397.5	1986.9	1618.3	1303.6	1010.1	764.8
10°	5516.9	4870.3	4231.5	3634.4	3063.9	2552.7	2101.5	1684.3	1332.7	1030.4	777.9
7.5°	6033.5	5298.7	4568.2	3896.4	3243.1	2654.2	2150.5	1714.1	1351.9	1046.8	788.3
5°	6455.0	5578.3	4721.4	3974.1	3293.4	2694.4	2180.8	1737.3	1365.1	1059.2	795.8
2.5°	6511.9	5624.3	4744.2	4004.8	3327.0	2722.0	2200.9	1753.3	1372.6	1067.5	800.6
0°	6533.9	5639.1	4741.3	4014.1	3343.8	2736.6	2210.8	1761.8	1374.4	1071.6	802.5
-2.5°	6511.9	5624.3	4744.2	4004.8	3327.0	2722.0	2200.9	1753.3	1372.6	1067.5	800.6
-5°	6455.0	5578.3	4721.4	3974.1	3293.4	2694.4	2180.8	1737.3	1365.1	1059.2	795.8
-7.5°	6033.5	5298.7	4568.2	3896.4	3243.1	2654.2	2150.5	1714.1	1351.9	1046.8	788.3
-10°	5516.9	4870.3	4231.5	3634.4	3063.9	2552.7	2101.5	1684.3	1332.7	1030.4	777.9
-12.5°	4992.3	4435.2	3888.9	3363.9	2855.9	2397.5	1986.9	1618.3	1303.6	1010.1	764.8
-15°	4466.8	3999.9	3546.1	3088.7	2643.4	2238.1	1868.0	1533.8	1242.0	978.4	748.9
-17.5°	3933.7	3570.5	3207.9	2812.1	2429.3	2076.5	1746.3	1446.1	1177.6	934.1	724.6
-20°	3383.4	3141.1	2879.5	2537.5	2216.0	1914.5	1623.1	1356.2	1111.1	887.8	693.7



REPORT NUMBER: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-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°	2869.5	2725.0	2534.7	2283.9	2012.9	1753.9	1499.7	1264.8	1043.1	839.9	661.2
-25°	2394.4	2334.8	2205.1	2025.2	1824.6	1606.4	1383.0	1172.6	974.2	790.7	627.3
-27.5°	1978.4	1976.6	1901.2	1782.2	1634.3	1463.1	1273.5	1088.3	907.5	740.6	592.2
-30°	1609.8	1660.9	1638.3	1561.5	1454.8	1319.8	1165.7	1005.3	846.2	694.2	556.1
-32.5°	1396.1	1383.6	1404.8	1370.5	1294.9	1184.7	1059.2	923.6	785.1	649.8	524.1
-35°	1245.5	1197.8	1198.9	1196.8	1150.1	1066.9	960.0	843.9	724.6	604.9	493.1
-37.5°	1107.8	1077.4	1030.6	1045.1	1017.6	955.9	871.3	771.3	664.9	559.7	461.5
-40°	990.2	969.4	934.3	915.3	902.1	852.1	787.1	704.4	611.0	514.3	429.5
-42.5°	883.8	874.0	848.6	810.9	798.2	764.9	708.3	639.6	559.5	474.3	397.1
-45°	793.0	787.5	769.2	736.8	705.5	684.5	640.0	577.9	509.0	436.8	366.4
-47.5°	711.1	710.1	695.2	666.2	631.2	611.7	575.3	523.9	459.7	399.4	338.7
-50°	639.1	639.0	626.2	604.0	573.4	547.6	515.3	471.6	419.3	362.7	311.1
-52.5°	580.7	574.1	564.4	546.0	519.3	488.0	462.3	422.0	379.5	330.6	283.6
-55°	525.3	515.9	507.9	491.3	467.0	437.7	411.9	380.3	340.4	300.3	256.6
-57.5°	473.4	463.4	454.5	439.1	418.2	392.2	367.4	339.6	305.8	269.9	232.5
-60°	423.5	414.3	403.6	390.3	371.8	349.5	326.5	301.1	272.5	240.1	208.4
-62.5°	375.1	366.6	356.2	343.9	328.4	309.7	287.3	265.5	239.3	213.6	184.2
-65°	329.3	321.8	310.9	301.3	287.9	270.8	250.5	230.1	210.0	187.2	161.0
-67.5°	285.9	279.1	270.2	260.7	248.7	233.4	214.4	199.1	182.1	160.9	140.3
-70°	244.0	238.0	230.8	222.2	210.9	197.1	183.8	170.2	154.3	138.1	119.6
-72.5°	203.5	199.0	192.8	184.8	176.0	165.8	154.2	142.1	129.9	115.4	98.8
-75°	164.5	161.3	156.9	150.9	143.3	134.7	126.1	116.6	105.6	92.8	80.0
-77.5°	128.8	126.0	122.2	117.8	112.4	106.2	99.2	91.2	82.1	72.4	61.9
-80°	95.9	93.9	90.9	86.8	82.6	77.8	73.2	67.3	60.2	52.3	43.7
-82.5°	66.1	64.0	61.6	58.8	56.3	53.1	48.9	44.0	38.4	32.2	28.4
-85°	40.0	38.3	36.3	34.0	31.5	28.4	26.6	24.7	22.9	21.0	18.9
-87.5°	17.9	17.3	16.6	15.9	15.1	14.2	13.3	12.3	11.5	10.5	9.5
-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: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-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°	8.4	7.4	6.3	5.0	3.5	1.7	0.0
85°	16.7	14.8	12.5	9.9	7.0	3.5	0.0
82.5°	25.1	22.2	18.8	14.9	10.4	5.2	0.0
80°	34.4	29.6	25.1	19.8	13.9	6.9	0.0
77.5°	50.6	39.3	31.3	24.7	17.3	8.7	0.0
75°	66.7	53.2	38.5	29.6	20.7	10.3	0.0
72.5°	82.8	67.1	49.9	34.5	24.0	12.0	0.0
70°	99.1	80.8	61.3	40.1	27.3	13.7	0.0
67.5°	117.8	94.5	72.5	48.7	30.6	15.3	0.0
65°	136.4	109.3	83.6	57.3	33.8	16.9	0.0
62.5°	154.9	125.3	94.6	65.7	36.9	18.5	0.0
60°	173.4	141.2	105.5	74.0	40.0	20.0	0.0
57.5°	194.3	156.9	118.2	82.2	45.4	21.5	0.0
55°	215.2	172.4	130.9	90.1	50.7	22.9	0.0
52.5°	235.9	188.0	143.4	97.9	55.8	24.3	0.0
50°	256.3	205.2	155.6	105.6	60.9	25.7	0.0
47.5°	276.9	221.9	167.5	113.4	65.7	27.0	0.0
45°	300.9	238.4	179.2	122.2	70.4	28.3	0.0
42.5°	324.6	254.3	190.6	130.7	74.9	29.5	0.0
40°	348.0	269.9	202.3	138.6	79.2	30.6	0.0
37.5°	371.2	285.0	214.3	146.0	83.4	31.7	0.0
35°	394.1	302.1	225.7	152.9	87.3	32.8	0.0
32.5°	417.4	320.0	236.7	159.4	91.0	33.7	0.0
30°	442.4	337.4	247.2	165.4	94.5	34.6	0.0
27.5°	466.6	354.1	255.9	170.9	97.8	35.5	0.0
25°	489.8	370.1	263.9	175.9	100.8	36.3	0.0
22.5°	512.0	384.4	271.4	180.4	103.6	37.0	0.0
20°	533.1	395.3	278.2	184.4	106.1	37.6	0.0
17.5°	549.0	404.9	284.4	187.8	108.4	38.1	0.0
15°	560.8	413.1	289.9	190.8	110.4	38.6	0.0
12.5°	571.0	420.1	294.7	193.3	112.2	39.1	0.0
10°	579.4	425.7	298.8	195.3	113.7	39.4	0.0
7.5°	586.0	429.9	302.2	196.8	114.9	39.7	0.0
5°	590.9	432.9	304.8	197.8	115.8	39.8	0.0
2.5°	593.9	434.6	306.5	198.3	116.5	40.0	0.0
0°	595.0	435.1	307.5	198.3	116.8	40.0	0.0
-2.5°	593.9	434.6	306.5	198.3	116.5	40.0	0.0
-5°	590.9	432.9	304.8	197.8	115.8	39.8	0.0
-7.5°	586.0	429.9	302.2	196.8	114.9	39.7	0.0
-10°	579.4	425.7	298.8	195.3	113.7	39.4	0.0
-12.5°	571.0	420.1	294.7	193.3	112.2	39.1	0.0
-15°	560.8	413.1	289.9	190.8	110.4	38.6	0.0
-17.5°	549.0	404.9	284.4	187.8	108.4	38.1	0.0
-20°	533.1	395.3	278.2	184.4	106.1	37.6	0.0



REPORT NUMBER: P558838 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	512.0	384.4	271.4	180.4	103.6	37.0	0.0
-25°	489.8	370.1	263.9	175.9	100.8	36.3	0.0
-27.5°	466.6	354.1	255.9	170.9	97.8	35.5	0.0
-30°	442.4	337.4	247.2	165.4	94.5	34.6	0.0
-32.5°	417.4	320.0	236.7	159.4	91.0	33.7	0.0
-35°	394.1	302.1	225.7	152.9	87.3	32.8	0.0
-37.5°	371.2	285.0	214.3	146.0	83.4	31.7	0.0
-40°	348.0	269.9	202.3	138.6	79.2	30.6	0.0
-42.5°	324.6	254.3	190.6	130.7	74.9	29.5	0.0
-45°	300.9	238.4	179.2	122.2	70.4	28.3	0.0
-47.5°	276.9	221.9	167.5	113.4	65.7	27.0	0.0
-50°	256.3	205.2	155.6	105.6	60.9	25.7	0.0
-52.5°	235.9	188.0	143.4	97.9	55.8	24.3	0.0
-55°	215.2	172.4	130.9	90.1	50.7	22.9	0.0
-57.5°	194.3	156.9	118.2	82.2	45.4	21.5	0.0
-60°	173.4	141.2	105.5	74.0	40.0	20.0	0.0
-62.5°	154.9	125.3	94.6	65.7	36.9	18.5	0.0
-65°	136.4	109.3	83.6	57.3	33.8	16.9	0.0
-67.5°	117.8	94.5	72.5	48.7	30.6	15.3	0.0
-70°	99.1	80.8	61.3	40.1	27.3	13.7	0.0
-72.5°	82.8	67.1	49.9	34.5	24.0	12.0	0.0
-75°	66.7	53.2	38.5	29.6	20.7	10.3	0.0
-77.5°	50.6	39.3	31.3	24.7	17.3	8.7	0.0
-80°	34.4	29.6	25.1	19.8	13.9	6.9	0.0
-82.5°	25.1	22.2	18.8	14.9	10.4	5.2	0.0
-85°	16.7	14.8	12.5	9.9	7.0	3.5	0.0
-87.5°	8.4	7.4	6.3	5.0	3.5	1.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)