

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: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3B-AMB-U-WAF-BK**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-08
Report Number: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-305-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA3B-AMB-U-WAF-BK
Description: GALLEON FLOOD, ONE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (48) 1549K CCT, -21.5 CRI LEDS
Ballast/Driver: -

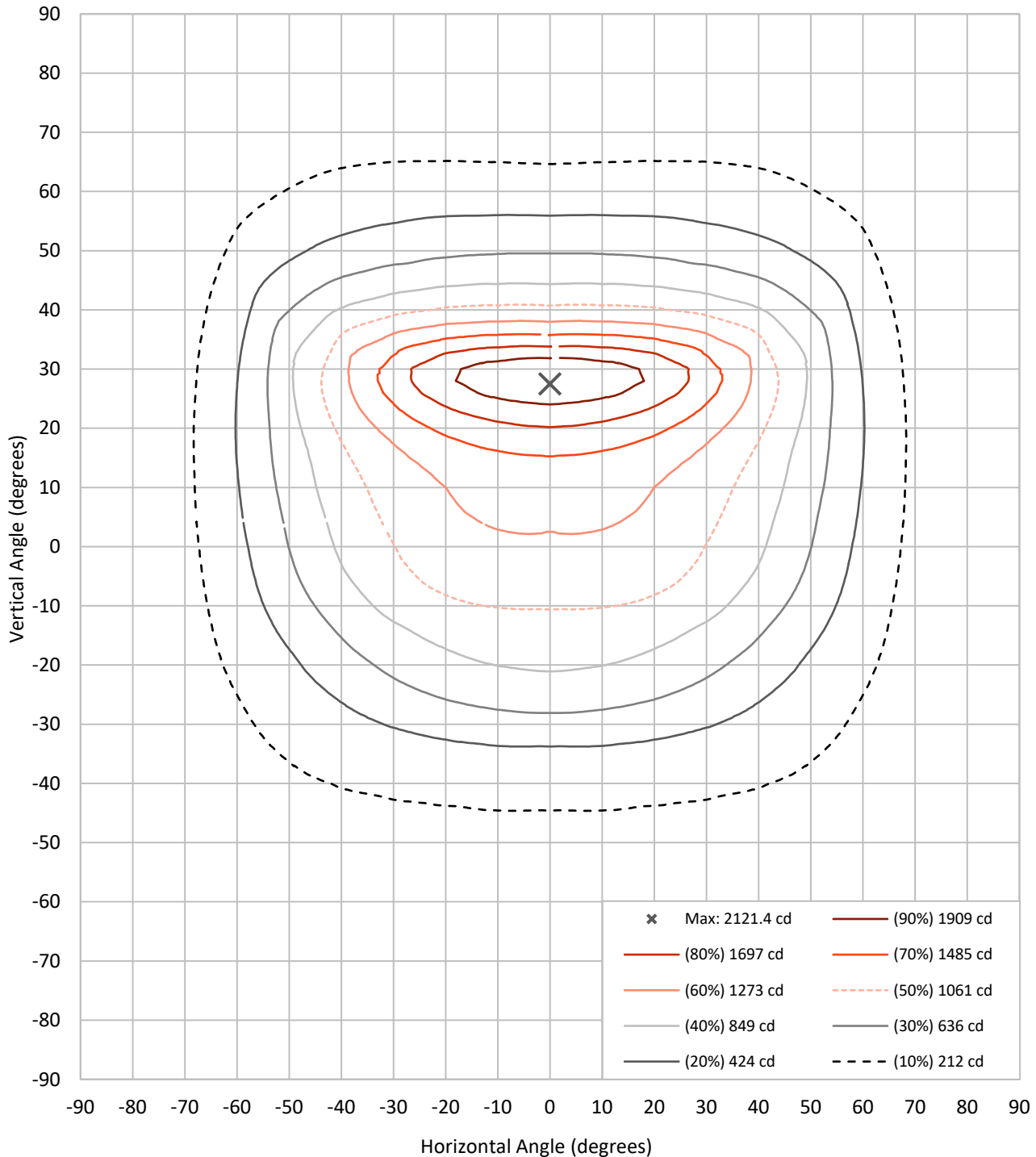
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	2955.1 lumens	Max Intensity:	2121.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	49.3 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	87.9°H x 51.3°V	Field Angle (10%):	135.6°H x 109.1°V
Beam Lumens:	1409.1 lumens	Field Lumens:	2720.4 lumens
Beam Efficiency:	47.7%	Field Efficiency:	92.1%
Input Watts (W):	59.9		
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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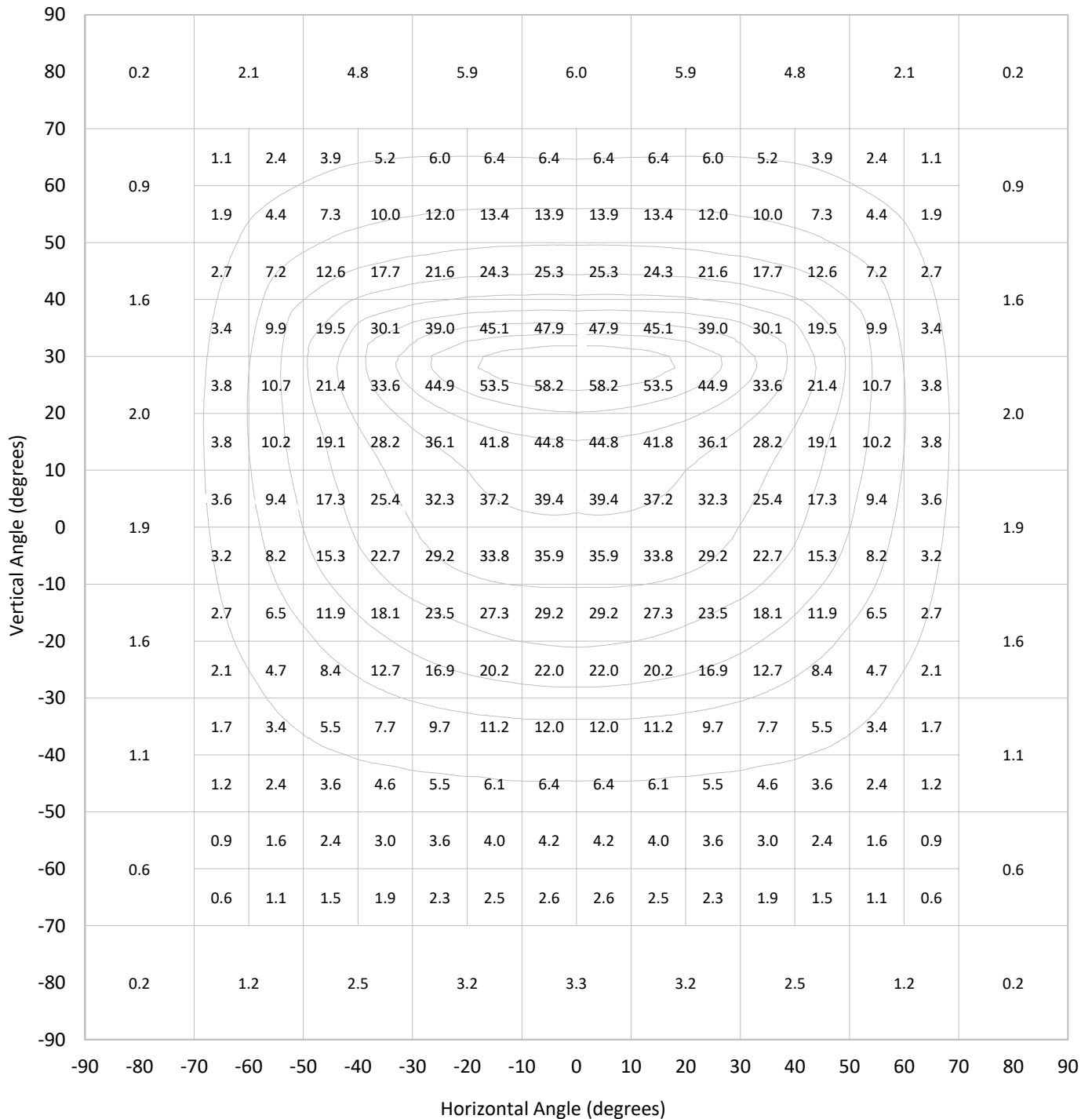
Iso-Candela Plot





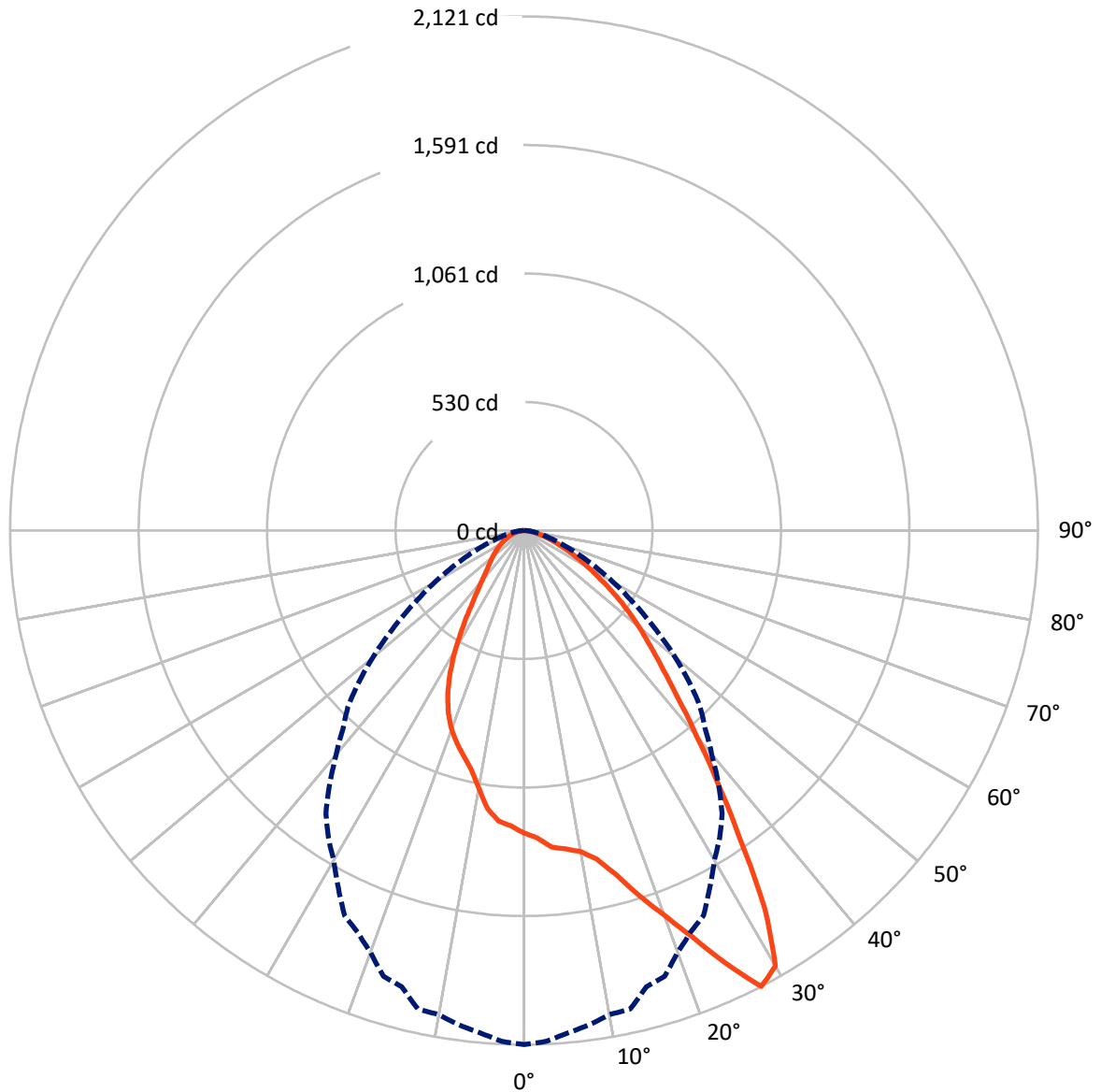
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Lumen Table



REPORT NUMBER: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
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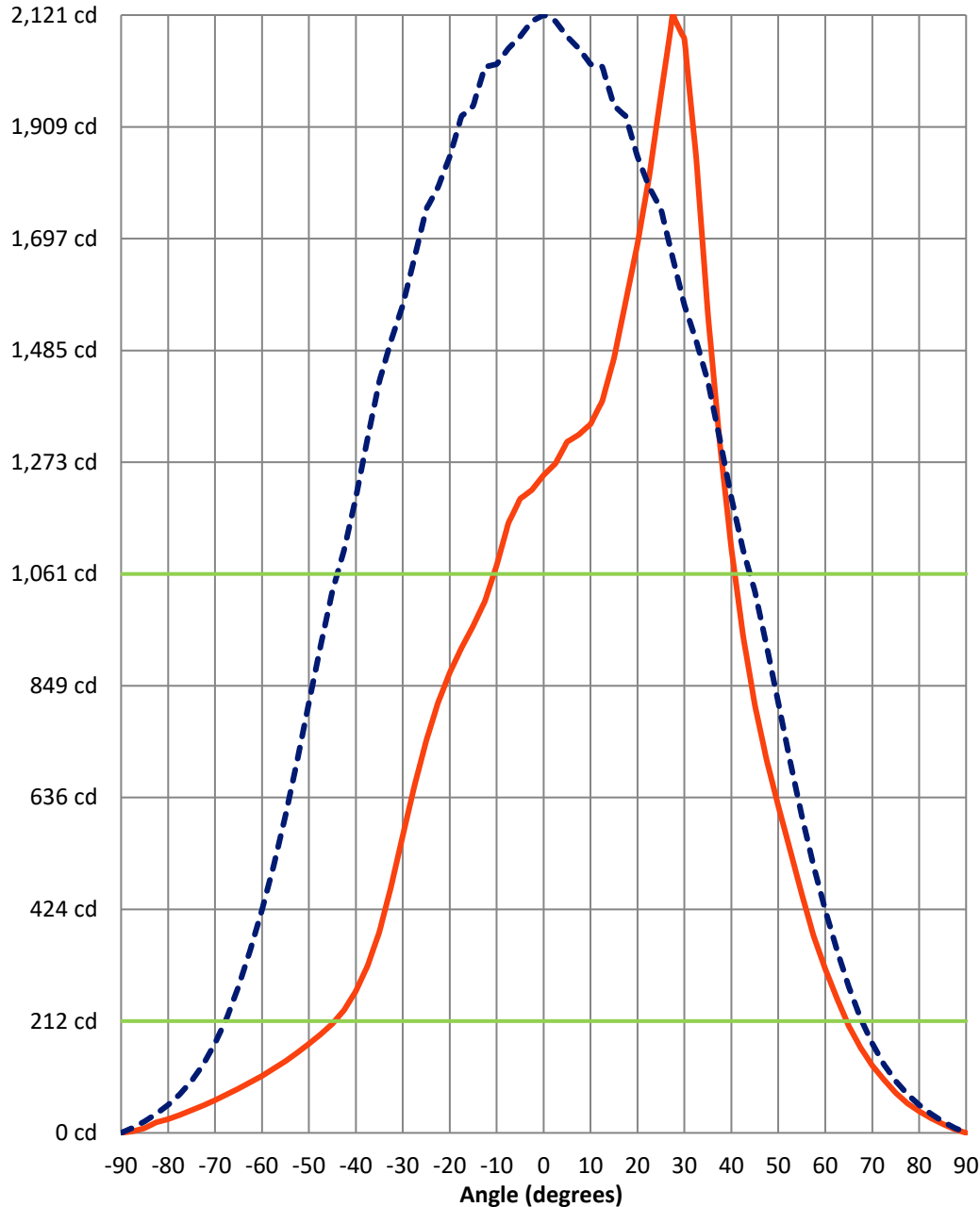
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 87.9°
 V Angle: 51.3°
 Lumens: 1409.1
 Efficiency: 47.7%

Field:
 H Angle: 135.6°
 V Angle: 109.1°
 Lumens: 2720.4
 Efficiency: 92.1%

Spill:
 Lumens: 234.7
 Efficiency: 7.9%

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



REPORT NUMBER: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.8	3.3	3.8	4.2	4.6
85°	0.0	1.0	1.9	2.9	3.8	4.8	5.7	6.6	7.5	8.4	9.3
82.5°	0.0	1.4	2.9	4.3	5.7	7.1	8.5	9.9	11.4	13.7	16.0
80°	0.0	1.9	3.8	5.7	7.6	9.5	11.5	14.6	17.7	20.8	24.0
77.5°	0.0	2.4	4.8	7.1	9.5	12.3	16.1	20.0	23.9	27.8	32.4
75°	0.0	2.8	5.7	8.5	11.5	15.9	20.6	25.3	30.2	36.3	42.6
72.5°	0.0	3.3	6.6	9.9	14.2	19.4	25.0	30.9	37.8	45.1	52.6
70°	0.0	3.8	7.5	11.4	16.9	22.9	29.4	37.3	45.3	53.7	63.4
67.5°	0.0	4.2	8.4	13.3	19.5	26.3	34.5	43.5	52.7	63.2	74.2
65°	0.0	4.6	9.3	15.1	22.1	29.9	39.5	49.6	60.7	72.5	85.5
62.5°	0.0	5.1	10.1	16.9	24.6	33.7	44.3	56.1	68.6	82.0	98.3
60°	0.0	5.5	11.0	18.7	27.0	37.4	48.9	62.6	76.2	92.9	110.6
57.5°	0.0	5.9	12.1	20.4	29.7	41.0	53.9	68.8	84.9	103.4	124.7
55°	0.0	6.3	13.1	22.0	32.3	44.3	58.6	74.6	93.7	114.0	139.0
52.5°	0.0	6.7	14.2	23.6	34.8	47.6	63.1	81.3	102.1	125.9	152.6
50°	0.0	7.1	15.1	25.1	37.1	51.0	67.4	87.7	110.6	137.1	168.3
47.5°	0.0	7.4	16.1	26.6	39.4	54.3	71.4	93.6	119.8	147.5	183.3
45°	0.0	7.8	17.0	28.1	41.5	57.3	76.0	99.1	127.5	159.8	197.2
42.5°	0.0	8.1	17.8	29.6	43.4	60.0	80.3	104.7	134.6	171.1	212.7
40°	0.0	8.4	18.6	30.9	45.3	62.5	84.1	110.2	141.5	181.3	227.0
37.5°	0.0	8.7	19.3	32.2	47.2	64.8	87.5	115.0	148.9	190.2	239.6
35°	0.0	9.0	20.0	33.3	48.9	67.3	90.5	119.3	155.5	199.2	251.6
32.5°	0.0	9.3	20.7	34.4	50.4	69.6	93.3	122.9	161.1	206.9	262.3
30°	0.0	9.5	21.2	35.3	51.8	71.6	96.2	126.2	165.8	213.0	271.0
27.5°	0.0	9.8	21.8	36.2	53.0	73.3	98.5	129.9	170.0	217.8	277.6
25°	0.0	10.0	22.2	37.0	54.1	74.7	100.4	132.9	173.8	222.3	282.3
22.5°	0.0	10.2	22.7	37.6	55.1	75.9	101.7	135.1	176.4	225.8	286.4
20°	0.0	10.3	23.0	38.1	55.9	77.1	102.7	136.7	177.9	227.8	288.6
17.5°	0.0	10.5	23.3	38.6	56.6	78.0	103.6	137.6	178.4	228.3	288.9
15°	0.0	10.6	23.6	38.9	57.1	78.7	104.4	138.1	178.0	227.4	287.5
12.5°	0.0	10.7	23.8	39.2	57.4	79.2	104.9	138.2	177.3	225.1	284.3
10°	0.0	10.8	23.9	39.3	57.6	79.4	104.9	137.7	176.4	223.5	280.1
7.5°	0.0	10.9	24.0	39.4	57.7	79.4	104.7	136.5	174.7	221.0	275.4
5°	0.0	11.0	24.1	39.4	57.6	79.1	104.1	134.8	172.5	217.6	269.1
2.5°	0.0	11.0	24.1	39.2	57.4	78.7	103.2	132.6	169.5	213.2	261.6
0°	0.0	11.0	24.0	39.0	57.0	78.0	102.0	130.0	166.0	208.0	253.0
-2.5°	0.0	11.0	23.9	38.8	56.6	77.1	100.7	127.9	162.6	202.9	246.3
-5°	0.0	11.0	23.8	38.6	56.0	76.1	99.0	125.5	158.7	197.1	238.7
-7.5°	0.0	10.9	23.6	38.2	55.3	74.8	97.2	122.7	154.4	190.7	230.3
-10°	0.0	10.8	23.4	37.8	54.5	73.4	95.1	119.6	149.6	183.7	221.3
-12.5°	0.0	10.7	23.2	37.3	53.6	71.8	92.7	116.2	144.5	176.5	212.3
-15°	0.0	10.6	22.9	36.7	52.6	70.1	90.2	112.6	139.3	169.8	203.0
-17.5°	0.0	10.5	22.5	36.1	51.4	68.3	87.4	109.0	134.3	162.7	193.4
-20°	0.0	10.3	22.1	35.3	50.2	66.3	84.6	105.4	129.1	155.4	183.5



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 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	10.2	21.7	34.5	48.9	64.2	81.8	101.5	123.6	147.9	173.4
-25°	0.0	10.0	21.2	33.7	47.4	62.2	78.9	97.4	117.9	140.3	163.2
-27.5°	0.0	9.8	20.7	32.7	45.9	60.1	75.8	93.2	112.0	132.8	153.8
-30°	0.0	9.5	20.1	31.7	44.3	57.9	72.6	88.7	106.5	125.6	144.6
-32.5°	0.0	9.3	19.6	30.7	42.7	55.6	69.3	84.6	101.1	118.4	135.5
-35°	0.0	9.0	18.9	29.6	41.0	53.1	66.2	80.4	95.5	111.3	126.6
-37.5°	0.0	8.7	18.3	28.4	39.3	50.7	63.1	76.2	89.8	104.1	118.8
-40°	0.0	8.4	17.6	27.2	37.5	48.4	59.9	72.0	84.0	97.3	111.1
-42.5°	0.0	8.1	16.8	25.9	35.7	46.0	56.6	67.7	78.8	91.0	103.5
-45°	0.0	7.8	16.1	24.6	33.9	43.6	53.2	63.5	73.8	84.6	95.9
-47.5°	0.0	7.4	15.3	23.2	32.1	41.1	49.8	59.4	68.8	78.3	88.9
-50°	0.0	7.1	14.5	22.0	30.2	38.5	46.7	55.3	64.0	72.9	82.0
-52.5°	0.0	6.7	13.6	20.7	28.3	35.9	43.6	51.1	59.3	67.4	75.2
-55°	0.0	6.3	12.8	19.4	26.3	33.4	40.5	47.0	54.7	61.9	69.1
-57.5°	0.0	5.9	11.9	18.1	24.2	30.9	37.4	43.4	50.0	56.7	63.0
-60°	0.0	5.5	11.0	16.7	22.2	28.3	34.2	39.9	45.5	51.6	57.1
-62.5°	0.0	5.1	10.1	15.4	20.4	25.7	31.1	36.4	41.5	46.5	51.7
-65°	0.0	4.6	9.3	14.0	18.5	23.1	28.0	32.8	37.5	41.9	46.2
-67.5°	0.0	4.2	8.4	12.5	16.6	20.6	24.8	29.2	33.4	37.4	41.1
-70°	0.0	3.8	7.5	11.1	14.7	18.2	21.6	25.6	29.4	32.8	36.2
-72.5°	0.0	3.3	6.6	9.7	12.8	15.9	18.8	22.0	25.4	28.5	31.3
-75°	0.0	2.8	5.7	8.3	10.9	13.5	16.0	18.6	21.4	24.2	26.7
-77.5°	0.0	2.4	4.8	7.0	9.1	11.1	13.2	15.4	17.7	19.9	22.1
-80°	0.0	1.9	3.8	5.6	7.3	8.8	10.4	12.2	14.0	15.8	17.5
-82.5°	0.0	1.4	2.9	4.2	5.5	6.6	7.8	9.0	10.3	11.6	12.9
-85°	0.0	1.0	1.9	2.8	3.6	4.4	5.2	6.0	6.8	7.6	8.4
-87.5°	0.0	0.5	1.0	1.4	1.8	2.2	2.6	3.0	3.4	3.8	4.2
-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: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.0	5.2	5.5	5.7	6.1	6.4	6.8	7.1	7.0	6.9	6.7
85°	9.9	10.5	11.7	12.8	14.0	15.1	16.1	17.0	17.0	16.8	16.3
82.5°	18.0	20.0	21.8	23.7	25.3	26.7	28.0	29.3	29.4	29.3	29.1
80°	26.7	29.4	32.5	35.4	37.7	39.7	41.4	42.8	43.5	44.2	44.8
77.5°	37.0	41.0	44.7	48.0	50.8	54.0	57.0	59.9	61.6	62.5	62.8
75°	48.1	52.7	57.6	62.2	66.5	70.6	74.6	78.9	81.7	83.4	84.6
72.5°	59.8	66.0	71.7	77.0	83.3	89.3	94.7	99.5	103.7	106.7	109.0
70°	72.2	79.2	87.3	95.1	102.2	109.4	117.0	123.8	129.2	132.8	136.0
67.5°	85.1	95.2	104.6	113.8	123.8	133.1	141.5	150.5	158.2	162.8	166.3
65°	100.4	111.5	124.0	136.1	146.8	159.0	170.1	179.9	189.9	196.7	201.6
62.5°	115.1	130.9	145.5	159.8	173.9	186.9	200.9	213.6	224.4	233.5	240.3
60°	132.3	151.4	169.3	186.8	202.5	218.9	234.4	250.0	263.2	273.1	283.1
57.5°	149.4	174.4	195.7	216.2	235.9	252.6	273.2	290.0	305.9	318.1	330.1
55°	167.1	199.6	224.6	249.8	272.2	293.2	314.7	336.0	352.6	368.7	382.8
52.5°	186.5	224.1	257.8	286.1	313.2	337.6	361.7	386.1	408.2	425.4	441.0
50°	204.6	250.2	292.3	326.2	357.7	387.2	413.7	442.9	470.0	490.7	506.0
47.5°	224.9	274.3	330.9	368.7	407.2	442.1	473.3	508.6	539.3	567.1	584.9
45°	244.6	299.2	361.1	417.0	460.3	501.3	541.8	580.4	621.3	652.6	677.7
42.5°	262.3	322.7	391.9	466.3	517.8	565.9	612.9	663.1	711.0	751.7	783.6
40°	281.2	344.0	419.8	506.5	577.2	633.0	687.9	745.0	813.3	864.0	902.9
37.5°	298.3	366.2	444.6	536.1	639.7	700.5	760.9	827.3	906.6	987.1	1038.2
35°	313.3	384.9	467.3	561.4	668.8	766.4	830.7	901.7	988.6	1101.5	1176.4
32.5°	327.2	400.3	485.1	581.4	689.0	806.3	893.7	963.5	1052.3	1168.4	1309.7
30°	338.6	413.4	498.4	595.0	701.5	815.3	931.6	1008.9	1093.7	1202.1	1329.6
27.5°	346.7	422.7	507.1	601.8	705.8	816.0	924.5	1027.8	1106.3	1205.4	1317.9
25°	352.4	428.8	510.6	602.0	701.3	805.7	909.3	1007.0	1092.8	1177.5	1274.0
22.5°	356.1	432.0	513.5	596.1	690.1	788.1	885.4	977.2	1060.1	1134.9	1215.4
20°	357.8	433.0	513.4	595.0	675.3	764.9	857.4	944.2	1023.8	1095.5	1157.9
17.5°	357.2	431.4	510.5	590.5	669.4	746.1	824.9	908.8	986.2	1056.4	1118.2
15°	354.3	427.4	505.0	583.4	660.7	735.9	807.9	875.4	946.3	1016.9	1079.6
12.5°	349.2	421.0	496.9	573.6	649.5	722.9	793.6	860.4	922.6	980.9	1040.1
10°	342.2	412.3	486.4	561.4	635.7	707.2	777.0	843.4	905.1	962.3	1015.6
7.5°	336.2	403.5	474.1	546.6	619.3	688.9	758.1	824.2	885.1	941.2	994.5
5°	329.2	394.8	462.9	533.9	604.5	671.4	738.4	802.6	862.5	917.5	971.3
2.5°	320.8	384.3	449.4	519.5	590.0	656.9	723.6	786.3	844.0	897.7	949.9
0°	311.1	372.1	434.1	503.1	573.1	640.1	706.1	767.1	824.1	878.2	929.2
-2.5°	301.3	359.5	419.9	485.6	552.4	617.9	682.8	744.2	799.8	854.6	904.9
-5°	290.4	345.6	404.0	466.3	529.6	593.3	656.9	718.5	771.3	824.1	872.2
-7.5°	278.5	330.4	386.6	445.0	503.8	563.1	622.6	680.0	731.5	782.3	829.8
-10°	265.9	314.5	366.6	420.1	474.6	529.2	584.8	639.2	689.0	737.6	784.3
-12.5°	253.4	297.9	345.5	394.4	444.2	494.0	545.0	596.3	644.1	690.1	736.2
-15°	240.5	280.9	323.7	367.9	412.7	457.9	503.3	551.7	598.4	643.5	687.5
-17.5°	227.3	263.5	301.6	341.1	380.5	421.3	461.5	509.7	553.9	595.9	636.3
-20°	213.9	246.0	279.2	314.0	348.2	388.1	427.0	468.4	508.3	546.6	583.6



REPORT NUMBER: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	200.5	228.5	257.5	287.9	322.3	357.9	392.7	427.3	462.1	495.6	531.5
-25°	187.8	212.4	237.3	267.2	297.5	328.0	358.3	387.1	416.7	448.4	479.5
-27.5°	175.6	196.9	221.1	246.8	272.9	299.0	325.2	349.9	376.5	402.9	427.9
-30°	163.5	184.0	205.0	227.3	250.0	272.1	293.5	315.4	337.8	360.1	380.4
-32.5°	152.5	171.4	190.2	209.5	228.4	245.8	264.9	283.9	301.7	318.8	335.3
-35°	142.5	159.6	176.1	192.0	207.9	223.3	239.5	254.2	267.2	280.8	294.9
-37.5°	133.3	147.9	162.4	175.9	189.4	203.3	215.4	227.7	237.5	246.2	258.5
-40°	124.2	136.4	149.5	161.3	172.6	184.5	194.9	203.4	210.7	219.8	226.4
-42.5°	115.3	126.5	137.2	147.4	157.7	167.2	175.4	182.4	189.1	195.9	200.9
-45°	106.9	116.9	125.5	135.2	143.8	151.4	158.2	163.3	170.3	175.1	178.6
-47.5°	98.6	107.5	115.5	123.4	131.1	137.3	142.3	148.0	153.1	157.2	159.1
-50°	90.6	98.7	106.1	113.1	119.3	124.5	128.5	133.7	138.2	141.3	142.9
-52.5°	83.2	90.1	97.2	103.4	108.7	113.1	116.9	121.0	124.7	127.2	129.8
-55°	76.0	82.4	88.5	94.1	98.8	102.6	106.4	109.8	112.2	114.6	117.8
-57.5°	69.2	75.0	80.4	85.3	89.5	92.9	96.6	99.4	101.7	103.3	106.2
-60°	62.6	67.8	72.7	77.1	80.7	84.1	87.2	89.8	91.8	93.4	95.8
-62.5°	56.1	60.9	65.3	69.2	72.5	75.5	78.3	80.6	82.5	84.2	85.8
-65°	50.4	54.2	58.0	61.6	64.7	67.3	69.7	71.7	73.4	75.1	76.4
-67.5°	44.6	48.0	51.1	54.0	56.9	59.4	61.2	63.0	64.5	66.2	67.6
-70°	39.3	41.9	44.6	47.1	49.4	51.7	53.6	55.0	56.1	57.3	58.5
-72.5°	34.0	36.4	38.5	40.2	42.2	44.0	45.8	47.5	48.7	49.4	50.1
-75°	28.9	30.9	32.8	34.4	35.6	36.7	37.7	39.0	40.2	41.2	41.9
-77.5°	23.8	25.5	27.0	28.5	29.5	30.3	30.9	31.5	32.2	33.0	33.5
-80°	18.9	20.0	21.1	22.2	23.1	23.8	24.2	24.6	25.1	25.6	26.1
-82.5°	14.0	15.0	15.8	16.5	17.0	17.4	17.8	18.1	18.4	18.7	18.9
-85°	9.2	10.0	10.7	11.3	11.7	11.9	12.2	12.3	12.2	12.0	11.9
-87.5°	4.6	5.0	5.4	5.7	5.9	6.1	6.2	6.4	6.1	5.8	5.4
-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: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

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°	6.6	6.5	6.5	6.4	6.3	6.2	6.1	6.0	5.8	5.9	5.9
85°	15.7	16.0	16.3	16.5	16.8	16.7	16.6	16.5	16.3	16.5	16.7
82.5°	28.8	29.2	29.4	29.4	29.1	29.0	28.7	28.3	27.8	27.9	28.0
80°	45.0	45.2	45.0	44.6	43.9	43.4	42.9	42.2	41.2	41.4	41.7
77.5°	63.1	63.5	63.6	63.1	62.2	61.6	60.8	59.7	58.2	58.2	58.3
75°	85.5	85.9	85.9	85.4	84.4	83.5	82.5	81.0	79.1	78.8	78.7
72.5°	110.4	111.0	111.0	110.9	110.2	109.4	108.2	106.4	103.9	103.1	102.7
70°	138.1	139.2	139.9	140.2	140.2	139.6	138.5	136.7	134.0	132.6	131.5
67.5°	169.6	171.8	173.7	174.5	174.6	174.2	173.7	172.4	170.3	168.8	167.5
65°	205.5	208.6	211.4	212.8	212.8	212.9	213.7	213.1	211.4	210.2	209.9
62.5°	245.2	250.1	254.9	257.7	258.3	258.1	260.6	261.4	260.5	259.3	259.5
60°	291.5	298.3	303.9	308.3	311.6	313.7	316.7	317.3	315.4	312.7	313.4
57.5°	341.5	349.5	355.7	363.9	370.6	375.6	378.6	379.7	379.0	377.0	378.6
55°	395.9	406.6	413.5	424.6	434.1	441.2	445.8	449.5	451.6	451.8	455.6
52.5°	456.0	470.6	479.8	490.1	502.3	510.9	516.5	523.8	528.6	530.5	535.2
50°	526.8	542.6	553.7	561.3	577.1	588.7	594.6	603.4	610.2	612.5	616.4
47.5°	605.5	623.7	638.9	646.3	663.3	678.5	685.5	692.5	701.3	703.4	705.7
45°	693.6	720.3	738.7	752.5	765.4	784.6	794.4	798.2	809.7	813.6	814.3
42.5°	804.2	832.4	858.4	878.4	888.4	911.4	927.5	930.7	944.3	949.2	944.8
40°	936.2	961.4	1001.5	1026.7	1043.6	1063.6	1088.3	1097.0	1105.5	1113.3	1109.5
37.5°	1078.5	1118.3	1165.7	1201.9	1226.9	1246.6	1277.1	1290.5	1293.7	1314.9	1315.1
35°	1224.3	1273.1	1345.6	1392.9	1424.8	1458.9	1493.7	1522.0	1541.0	1558.2	1561.3
32.5°	1349.0	1402.7	1485.6	1575.9	1615.0	1656.1	1727.0	1748.5	1785.9	1809.3	1820.5
30°	1443.3	1483.5	1560.6	1682.1	1735.9	1779.8	1863.2	1902.6	1941.5	1999.5	2005.0
27.5°	1425.9	1503.2	1570.9	1660.9	1752.9	1794.7	1852.8	1929.0	1949.6	2022.9	2028.3
25°	1369.6	1450.4	1513.1	1585.9	1656.6	1708.4	1760.0	1810.1	1846.1	1881.0	1911.0
22.5°	1297.8	1369.8	1430.5	1490.3	1547.6	1596.5	1639.8	1679.8	1713.7	1741.6	1768.0
20°	1223.9	1292.0	1350.7	1400.4	1446.9	1493.0	1532.0	1565.8	1595.1	1621.0	1640.2
17.5°	1170.5	1216.2	1275.0	1325.0	1365.4	1400.2	1437.8	1467.1	1492.7	1516.7	1532.6
15°	1132.4	1176.2	1213.2	1256.4	1299.2	1331.8	1355.7	1385.8	1407.9	1427.4	1442.3
12.5°	1095.2	1142.1	1182.4	1215.3	1242.5	1280.1	1307.1	1324.9	1348.0	1360.6	1374.9
10°	1064.1	1109.7	1153.7	1190.5	1221.0	1247.8	1272.4	1296.2	1312.8	1326.3	1335.0
7.5°	1042.9	1087.8	1129.3	1167.0	1200.2	1230.0	1255.7	1276.9	1295.4	1307.1	1315.4
5°	1019.5	1064.4	1105.4	1142.4	1174.7	1206.9	1236.3	1259.3	1274.8	1288.6	1299.4
2.5°	996.1	1040.7	1079.9	1115.7	1146.0	1176.7	1203.8	1225.2	1244.2	1257.7	1268.3
0°	973.2	1020.2	1056.2	1091.2	1121.2	1150.2	1175.2	1196.2	1214.2	1229.2	1238.2
-2.5°	951.0	995.9	1035.6	1071.4	1102.0	1130.5	1154.9	1176.8	1195.0	1209.2	1220.5
-5°	917.8	960.9	1001.3	1037.2	1070.8	1101.1	1128.0	1151.4	1167.0	1181.6	1192.7
-7.5°	875.6	919.4	960.9	998.5	1031.5	1056.0	1077.5	1100.0	1120.9	1132.5	1144.5
-10°	829.6	873.4	911.1	942.2	968.8	992.3	1014.3	1035.2	1049.7	1062.8	1068.6
-12.5°	779.2	819.4	853.1	879.4	903.3	931.3	952.5	966.7	984.0	992.8	1003.3
-15°	726.7	763.4	793.6	822.0	851.5	876.2	893.9	913.7	927.7	941.3	949.5
-17.5°	672.6	706.0	741.1	772.6	799.5	822.9	844.9	862.8	879.3	892.6	902.6
-20°	619.2	653.6	687.3	717.7	745.0	770.2	791.9	810.5	828.4	841.2	851.6



REPORT NUMBER: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	565.8	598.2	629.3	658.3	685.4	710.4	732.0	750.6	767.4	782.0	792.1
-25°	510.0	539.8	567.4	592.5	616.7	642.4	662.4	680.1	695.9	710.5	721.4
-27.5°	453.8	479.2	502.5	524.0	544.1	564.9	584.4	600.2	615.7	626.4	639.1
-30°	398.6	420.1	438.7	454.4	472.7	489.2	503.3	517.5	530.6	541.4	551.7
-32.5°	351.7	365.1	378.2	390.9	404.5	416.8	425.6	437.4	443.4	452.1	461.2
-35°	307.8	317.8	323.7	335.6	344.3	351.1	359.4	366.7	367.6	376.7	381.0
-37.5°	267.2	274.6	281.9	287.8	293.1	296.3	304.2	308.0	308.9	315.0	317.2
-40°	232.5	235.2	244.9	249.3	250.8	254.1	259.9	261.3	264.1	267.6	267.3
-42.5°	203.5	208.5	213.4	217.3	218.0	222.6	225.7	225.6	230.1	232.8	233.1
-45°	180.4	186.0	189.7	192.0	194.1	197.8	199.5	200.4	204.0	206.3	207.3
-47.5°	162.6	166.6	169.9	171.4	174.6	177.5	178.8	180.8	183.7	185.4	186.5
-50°	146.9	150.1	152.6	154.6	157.8	160.1	161.3	163.9	166.3	167.9	168.9
-52.5°	133.2	136.1	137.7	139.8	142.7	144.8	146.2	148.8	150.7	152.1	152.7
-55°	121.0	123.5	125.1	127.2	129.1	130.7	132.3	134.4	136.1	137.4	137.7
-57.5°	109.2	111.7	113.7	115.4	116.7	117.7	119.2	120.8	122.1	123.0	123.3
-60°	97.9	99.8	101.7	103.4	104.7	105.5	106.8	108.1	109.0	109.6	109.6
-62.5°	87.3	88.7	90.3	91.7	92.6	93.3	94.6	95.7	96.5	96.9	96.8
-65°	77.4	78.3	79.7	80.7	81.4	82.2	83.3	84.1	84.5	84.8	84.7
-67.5°	68.5	69.1	69.8	70.5	71.2	71.8	72.7	73.3	73.8	74.1	74.2
-70°	59.5	60.3	60.8	61.1	61.3	61.7	62.3	62.8	63.2	63.3	63.3
-72.5°	50.7	51.2	51.5	51.8	51.8	52.1	52.4	52.7	52.7	52.7	52.6
-75°	42.4	42.8	43.1	43.2	43.2	43.3	43.4	43.4	43.3	43.3	43.2
-77.5°	34.1	34.5	34.8	34.9	34.9	35.0	35.0	34.9	34.7	34.6	34.5
-80°	26.5	26.8	27.0	27.1	27.1	27.2	27.2	27.2	27.1	27.1	27.1
-82.5°	19.1	19.3	19.4	19.5	19.5	19.6	19.8	19.9	20.0	20.0	20.0
-85°	11.8	11.8	11.7	11.6	11.5	11.3	11.0	10.8	10.5	10.2	9.8
-87.5°	4.9	4.9	4.8	4.7	4.5	4.2	3.8	3.3	2.9	2.9	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

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°	5.9	6.0	6.5	7.0	6.5	6.0	5.9	5.9	5.9	5.8	6.0
85°	16.8	16.9	17.0	17.0	17.0	16.9	16.8	16.7	16.5	16.3	16.5
82.5°	28.0	27.9	28.0	28.0	28.0	27.9	28.0	28.0	27.9	27.8	28.3
80°	41.8	41.8	41.5	41.0	41.5	41.8	41.8	41.7	41.4	41.2	42.2
77.5°	58.1	57.7	56.9	56.0	56.9	57.7	58.1	58.3	58.2	58.2	59.7
75°	78.3	77.6	76.9	76.0	76.9	77.6	78.3	78.7	78.8	79.1	81.0
72.5°	101.8	100.6	100.8	101.0	100.8	100.6	101.8	102.7	103.1	103.9	106.4
70°	129.8	127.6	127.8	128.0	127.8	127.6	129.8	131.5	132.6	134.0	136.7
67.5°	165.3	162.4	162.2	162.0	162.2	162.4	165.3	167.5	168.8	170.3	172.4
65°	208.8	206.9	205.3	203.0	205.3	206.9	208.8	209.9	210.2	211.4	213.1
62.5°	258.4	256.0	255.6	255.0	255.6	256.0	258.4	259.5	259.3	260.5	261.4
60°	312.8	310.8	311.0	311.1	311.0	310.8	312.8	313.4	312.7	315.4	317.3
57.5°	377.8	374.9	374.4	374.1	374.4	374.9	377.8	378.6	377.0	379.0	379.7
55°	457.5	457.3	456.1	453.1	456.1	457.3	457.5	455.6	451.8	451.6	449.5
52.5°	538.8	539.9	539.5	537.1	539.5	539.9	538.8	535.2	530.5	528.6	523.8
50°	620.1	620.5	620.6	620.1	620.6	620.5	620.1	616.4	612.5	610.2	603.4
47.5°	710.7	712.0	711.0	708.1	711.0	712.0	710.7	705.7	703.4	701.3	692.5
45°	820.0	819.4	816.2	812.1	816.2	819.4	820.0	814.3	813.6	809.7	798.2
42.5°	951.8	951.4	947.5	943.2	947.5	951.4	951.8	944.8	949.2	944.3	930.7
40°	1119.8	1122.6	1118.0	1109.2	1118.0	1122.6	1119.8	1109.5	1113.3	1105.5	1097.0
37.5°	1322.5	1327.0	1321.2	1312.2	1321.2	1327.0	1322.5	1315.1	1314.9	1293.7	1290.5
35°	1568.0	1576.9	1570.0	1554.3	1570.0	1576.9	1568.0	1561.3	1558.2	1541.0	1522.0
32.5°	1838.2	1854.7	1854.6	1851.3	1854.6	1854.7	1838.2	1820.5	1809.3	1785.9	1748.5
30°	2036.0	2057.9	2074.2	2075.4	2074.2	2057.9	2036.0	2005.0	1999.5	1941.5	1902.6
27.5°	2057.9	2080.8	2109.8	2121.4	2109.8	2080.8	2057.9	2028.3	2022.9	1949.6	1929.0
25°	1933.2	1945.6	1960.8	1970.3	1960.8	1945.6	1933.2	1911.0	1881.0	1846.1	1810.1
22.5°	1783.8	1798.2	1806.3	1815.3	1806.3	1798.2	1783.8	1768.0	1741.6	1713.7	1679.8
20°	1658.3	1676.9	1681.0	1687.3	1681.0	1676.9	1658.3	1640.2	1621.0	1595.1	1565.8
17.5°	1549.8	1562.1	1566.5	1578.3	1566.5	1562.1	1549.8	1532.6	1516.7	1492.7	1467.1
15°	1455.4	1462.2	1465.6	1470.3	1465.6	1462.2	1455.4	1442.3	1427.4	1407.9	1385.8
12.5°	1382.2	1388.6	1388.2	1389.2	1388.2	1388.6	1382.2	1374.9	1360.6	1348.0	1324.9
10°	1339.8	1345.0	1346.9	1345.2	1346.9	1345.0	1339.8	1335.0	1326.3	1312.8	1296.2
7.5°	1321.8	1322.6	1325.2	1325.2	1325.2	1322.6	1321.8	1315.4	1307.1	1295.4	1276.9
5°	1304.8	1308.3	1305.3	1311.2	1305.3	1308.3	1304.8	1299.4	1288.6	1274.8	1259.3
2.5°	1273.9	1277.4	1275.5	1270.2	1275.5	1277.4	1273.9	1268.3	1257.7	1244.2	1225.2
0°	1243.2	1249.2	1253.2	1248.2	1253.2	1249.2	1243.2	1238.2	1229.2	1214.2	1196.2
-2.5°	1226.0	1230.3	1229.4	1220.2	1229.4	1230.3	1226.0	1220.5	1209.2	1195.0	1176.8
-5°	1200.7	1202.3	1201.8	1203.2	1201.8	1202.3	1200.7	1192.7	1181.6	1167.0	1151.4
-7.5°	1148.5	1150.6	1152.6	1157.2	1152.6	1150.6	1148.5	1144.5	1132.5	1120.9	1100.0
-10°	1073.5	1077.6	1075.0	1077.2	1075.0	1077.6	1073.5	1068.6	1062.8	1049.7	1035.2
-12.5°	1007.9	1010.7	1008.3	1009.2	1008.3	1010.7	1007.9	1003.3	992.8	984.0	966.7
-15°	956.8	960.0	960.5	962.2	960.5	960.0	956.8	949.5	941.3	927.7	913.7
-17.5°	908.9	914.6	918.7	920.2	918.7	914.6	908.9	902.6	892.6	879.3	862.8
-20°	859.2	866.3	872.2	873.2	872.2	866.3	859.2	851.6	841.2	828.4	810.5



REPORT NUMBER: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	800.9	807.9	814.4	816.1	814.4	807.9	800.9	792.1	782.0	767.4	750.6
-25°	730.0	738.5	744.0	744.1	744.0	738.5	730.0	721.4	710.5	695.9	680.1
-27.5°	646.8	655.1	658.7	659.1	658.7	655.1	646.8	639.1	626.4	615.7	600.2
-30°	557.7	564.2	564.4	564.1	564.4	564.2	557.7	551.7	541.4	530.6	517.5
-32.5°	466.2	469.8	467.7	467.1	467.7	469.8	466.2	461.2	452.1	443.4	437.4
-35°	382.5	382.2	379.1	381.1	379.1	382.2	382.5	381.0	376.7	367.6	366.7
-37.5°	319.2	318.4	315.8	317.1	315.8	318.4	319.2	317.2	315.0	308.9	308.0
-40°	269.2	269.5	268.8	269.0	268.8	269.5	269.2	267.3	267.6	264.1	261.3
-42.5°	234.2	233.8	233.1	233.0	233.1	233.8	234.2	233.1	232.8	230.1	225.6
-45°	207.8	207.1	206.6	207.0	206.6	207.1	207.8	207.3	206.3	204.0	200.4
-47.5°	187.3	187.4	187.3	187.0	187.3	187.4	187.3	186.5	185.4	183.7	180.8
-50°	169.1	168.7	168.7	169.0	168.7	168.7	169.1	168.9	167.9	166.3	163.9
-52.5°	152.9	152.6	152.4	152.0	152.4	152.6	152.9	152.7	152.1	150.7	148.8
-55°	137.5	136.8	136.4	136.0	136.4	136.8	137.5	137.7	137.4	136.1	134.4
-57.5°	123.2	122.7	122.4	122.0	122.4	122.7	123.2	123.3	123.0	122.1	120.8
-60°	109.4	108.7	108.4	108.0	108.4	108.7	109.4	109.6	109.6	109.0	108.1
-62.5°	96.5	95.8	95.9	96.0	95.9	95.8	96.5	96.8	96.9	96.5	95.7
-65°	84.4	83.8	83.9	84.0	83.9	83.8	84.4	84.7	84.8	84.5	84.1
-67.5°	74.0	73.7	73.4	73.0	73.4	73.7	74.0	74.2	74.1	73.8	73.3
-70°	63.1	62.7	62.4	62.0	62.4	62.7	63.1	63.3	63.3	63.2	62.8
-72.5°	52.3	51.8	51.9	52.0	51.9	51.8	52.3	52.6	52.7	52.7	52.7
-75°	43.1	42.8	42.9	43.0	42.9	42.8	43.1	43.2	43.3	43.3	43.4
-77.5°	34.2	33.9	34.0	34.0	34.0	33.9	34.2	34.5	34.6	34.7	34.9
-80°	27.0	26.9	26.5	26.0	26.5	26.9	27.0	27.1	27.1	27.1	27.2
-82.5°	20.0	19.9	20.0	20.0	20.0	19.9	20.0	20.0	20.0	20.0	19.9
-85°	9.4	9.0	9.0	9.0	9.0	9.0	9.4	9.8	10.2	10.5	10.8
-87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.3
-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: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

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°	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.9	7.0	7.1
85°	16.6	16.7	16.8	16.5	16.3	16.0	15.7	16.3	16.8	17.0	17.0
82.5°	28.7	29.0	29.1	29.4	29.4	29.2	28.8	29.1	29.3	29.4	29.3
80°	42.9	43.4	43.9	44.6	45.0	45.2	45.0	44.8	44.2	43.5	42.8
77.5°	60.8	61.6	62.2	63.1	63.6	63.5	63.1	62.8	62.5	61.6	59.9
75°	82.5	83.5	84.4	85.4	85.9	85.9	85.5	84.6	83.4	81.7	78.9
72.5°	108.2	109.4	110.2	110.9	111.0	111.0	110.4	109.0	106.7	103.7	99.5
70°	138.5	139.6	140.2	140.2	139.9	139.2	138.1	136.0	132.8	129.2	123.8
67.5°	173.7	174.2	174.6	174.5	173.7	171.8	169.6	166.3	162.8	158.2	150.5
65°	213.7	212.9	212.8	212.8	211.4	208.6	205.5	201.6	196.7	189.9	179.9
62.5°	260.6	258.1	258.3	257.7	254.9	250.1	245.2	240.3	233.5	224.4	213.6
60°	316.7	313.7	311.6	308.3	303.9	298.3	291.5	283.1	273.1	263.2	250.0
57.5°	378.6	375.6	370.6	363.9	355.7	349.5	341.5	330.1	318.1	305.9	290.0
55°	445.8	441.2	434.1	424.6	413.5	406.6	395.9	382.8	368.7	352.6	336.0
52.5°	516.5	510.9	502.3	490.1	479.8	470.6	456.0	441.0	425.4	408.2	386.1
50°	594.6	588.7	577.1	561.3	553.7	542.6	526.8	506.0	490.7	470.0	442.9
47.5°	685.5	678.5	663.3	646.3	638.9	623.7	605.5	584.9	567.1	539.3	508.6
45°	794.4	784.6	765.4	752.5	738.7	720.3	693.6	677.7	652.6	621.3	580.4
42.5°	927.5	911.4	888.4	878.4	858.4	832.4	804.2	783.6	751.7	711.0	663.1
40°	1088.3	1063.6	1043.6	1026.7	1001.5	961.4	936.2	902.9	864.0	813.3	745.0
37.5°	1277.1	1246.6	1226.9	1201.9	1165.7	1118.3	1078.5	1038.2	987.1	906.6	827.3
35°	1493.7	1458.9	1424.8	1392.9	1345.6	1273.1	1224.3	1176.4	1101.5	988.6	901.7
32.5°	1727.0	1656.1	1615.0	1575.9	1485.6	1402.7	1349.0	1309.7	1168.4	1052.3	963.5
30°	1863.2	1779.8	1735.9	1682.1	1560.6	1483.5	1443.3	1329.6	1202.1	1093.7	1008.9
27.5°	1852.8	1794.7	1752.9	1660.9	1570.9	1503.2	1425.9	1317.9	1205.4	1106.3	1027.8
25°	1760.0	1708.4	1656.6	1585.9	1513.1	1450.4	1369.6	1274.0	1177.5	1092.8	1007.0
22.5°	1639.8	1596.5	1547.6	1490.3	1430.5	1369.8	1297.8	1215.4	1134.9	1060.1	977.2
20°	1532.0	1493.0	1446.9	1400.4	1350.7	1292.0	1223.9	1157.9	1095.5	1023.8	944.2
17.5°	1437.8	1400.2	1365.4	1325.0	1275.0	1216.2	1170.5	1118.2	1056.4	986.2	908.8
15°	1355.7	1331.8	1299.2	1256.4	1213.2	1176.2	1132.4	1079.6	1016.9	946.3	875.4
12.5°	1307.1	1280.1	1242.5	1215.3	1182.4	1142.1	1095.2	1040.1	980.9	922.6	860.4
10°	1272.4	1247.8	1221.0	1190.5	1153.7	1109.7	1064.1	1015.6	962.3	905.1	843.4
7.5°	1255.7	1230.0	1200.2	1167.0	1129.3	1087.8	1042.9	994.5	941.2	885.1	824.2
5°	1236.3	1206.9	1174.7	1142.4	1105.4	1064.4	1019.5	971.3	917.5	862.5	802.6
2.5°	1203.8	1176.7	1146.0	1115.7	1079.9	1040.7	996.1	949.9	897.7	844.0	786.3
0°	1175.2	1150.2	1121.2	1091.2	1056.2	1020.2	973.2	929.2	878.2	824.1	767.1
-2.5°	1154.9	1130.5	1102.0	1071.4	1035.6	995.9	951.0	904.9	854.6	799.8	744.2
-5°	1128.0	1101.1	1070.8	1037.2	1001.3	960.9	917.8	872.2	824.1	771.3	718.5
-7.5°	1077.5	1056.0	1031.5	998.5	960.9	919.4	875.6	829.8	782.3	731.5	680.0
-10°	1014.3	992.3	968.8	942.2	911.1	873.4	829.6	784.3	737.6	689.0	639.2
-12.5°	952.5	931.3	903.3	879.4	853.1	819.4	779.2	736.2	690.1	644.1	596.3
-15°	893.9	876.2	851.5	822.0	793.6	763.4	726.7	687.5	643.5	598.4	551.7
-17.5°	844.9	822.9	799.5	772.6	741.1	706.0	672.6	636.3	595.9	553.9	509.7
-20°	791.9	770.2	745.0	717.7	687.3	653.6	619.2	583.6	546.6	508.3	468.4



REPORT NUMBER: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	732.0	710.4	685.4	658.3	629.3	598.2	565.8	531.5	495.6	462.1	427.3
-25°	662.4	642.4	616.7	592.5	567.4	539.8	510.0	479.5	448.4	416.7	387.1
-27.5°	584.4	564.9	544.1	524.0	502.5	479.2	453.8	427.9	402.9	376.5	349.9
-30°	503.3	489.2	472.7	454.4	438.7	420.1	398.6	380.4	360.1	337.8	315.4
-32.5°	425.6	416.8	404.5	390.9	378.2	365.1	351.7	335.3	318.8	301.7	283.9
-35°	359.4	351.1	344.3	335.6	323.7	317.8	307.8	294.9	280.8	267.2	254.2
-37.5°	304.2	296.3	293.1	287.8	281.9	274.6	267.2	258.5	246.2	237.5	227.7
-40°	259.9	254.1	250.8	249.3	244.9	235.2	232.5	226.4	219.8	210.7	203.4
-42.5°	225.7	222.6	218.0	217.3	213.4	208.5	203.5	200.9	195.9	189.1	182.4
-45°	199.5	197.8	194.1	192.0	189.7	186.0	180.4	178.6	175.1	170.3	163.3
-47.5°	178.8	177.5	174.6	171.4	169.9	166.6	162.6	159.1	157.2	153.1	148.0
-50°	161.3	160.1	157.8	154.6	152.6	150.1	146.9	142.9	141.3	138.2	133.7
-52.5°	146.2	144.8	142.7	139.8	137.7	136.1	133.2	129.8	127.2	124.7	121.0
-55°	132.3	130.7	129.1	127.2	125.1	123.5	121.0	117.8	114.6	112.2	109.8
-57.5°	119.2	117.7	116.7	115.4	113.7	111.7	109.2	106.2	103.3	101.7	99.4
-60°	106.8	105.5	104.7	103.4	101.7	99.8	97.9	95.8	93.4	91.8	89.8
-62.5°	94.6	93.3	92.6	91.7	90.3	88.7	87.3	85.8	84.2	82.5	80.6
-65°	83.3	82.2	81.4	80.7	79.7	78.3	77.4	76.4	75.1	73.4	71.7
-67.5°	72.7	71.8	71.2	70.5	69.8	69.1	68.5	67.6	66.2	64.5	63.0
-70°	62.3	61.7	61.3	61.1	60.8	60.3	59.5	58.5	57.3	56.1	55.0
-72.5°	52.4	52.1	51.8	51.8	51.5	51.2	50.7	50.1	49.4	48.7	47.5
-75°	43.4	43.3	43.2	43.2	43.1	42.8	42.4	41.9	41.2	40.2	39.0
-77.5°	35.0	35.0	34.9	34.9	34.8	34.5	34.1	33.5	33.0	32.2	31.5
-80°	27.2	27.2	27.1	27.1	27.0	26.8	26.5	26.1	25.6	25.1	24.6
-82.5°	19.8	19.6	19.5	19.5	19.4	19.3	19.1	18.9	18.7	18.4	18.1
-85°	11.0	11.3	11.5	11.6	11.7	11.8	11.8	11.9	12.0	12.2	12.3
-87.5°	3.8	4.2	4.5	4.7	4.8	4.9	4.9	5.4	5.8	6.1	6.4
-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: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

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°	6.8	6.4	6.1	5.7	5.5	5.2	5.0	4.6	4.2	3.8	3.3
85°	16.1	15.1	14.0	12.8	11.7	10.5	9.9	9.3	8.4	7.5	6.6
82.5°	28.0	26.7	25.3	23.7	21.8	20.0	18.0	16.0	13.7	11.4	9.9
80°	41.4	39.7	37.7	35.4	32.5	29.4	26.7	24.0	20.8	17.7	14.6
77.5°	57.0	54.0	50.8	48.0	44.7	41.0	37.0	32.4	27.8	23.9	20.0
75°	74.6	70.6	66.5	62.2	57.6	52.7	48.1	42.6	36.3	30.2	25.3
72.5°	94.7	89.3	83.3	77.0	71.7	66.0	59.8	52.6	45.1	37.8	30.9
70°	117.0	109.4	102.2	95.1	87.3	79.2	72.2	63.4	53.7	45.3	37.3
67.5°	141.5	133.1	123.8	113.8	104.6	95.2	85.1	74.2	63.2	52.7	43.5
65°	170.1	159.0	146.8	136.1	124.0	111.5	100.4	85.5	72.5	60.7	49.6
62.5°	200.9	186.9	173.9	159.8	145.5	130.9	115.1	98.3	82.0	68.6	56.1
60°	234.4	218.9	202.5	186.8	169.3	151.4	132.3	110.6	92.9	76.2	62.6
57.5°	273.2	252.6	235.9	216.2	195.7	174.4	149.4	124.7	103.4	84.9	68.8
55°	314.7	293.2	272.2	249.8	224.6	199.6	167.1	139.0	114.0	93.7	74.6
52.5°	361.7	337.6	313.2	286.1	257.8	224.1	186.5	152.6	125.9	102.1	81.3
50°	413.7	387.2	357.7	326.2	292.3	250.2	204.6	168.3	137.1	110.6	87.7
47.5°	473.3	442.1	407.2	368.7	330.9	274.3	224.9	183.3	147.5	119.8	93.6
45°	541.8	501.3	460.3	417.0	361.1	299.2	244.6	197.2	159.8	127.5	99.1
42.5°	612.9	565.9	517.8	466.3	391.9	322.7	262.3	212.7	171.1	134.6	104.7
40°	687.9	633.0	577.2	506.5	419.8	344.0	281.2	227.0	181.3	141.5	110.2
37.5°	760.9	700.5	639.7	536.1	444.6	366.2	298.3	239.6	190.2	148.9	115.0
35°	830.7	766.4	668.8	561.4	467.3	384.9	313.3	251.6	199.2	155.5	119.3
32.5°	893.7	806.3	689.0	581.4	485.1	400.3	327.2	262.3	206.9	161.1	122.9
30°	931.6	815.3	701.5	595.0	498.4	413.4	338.6	271.0	213.0	165.8	126.2
27.5°	924.5	816.0	705.8	601.8	507.1	422.7	346.7	277.6	217.8	170.0	129.9
25°	909.3	805.7	701.3	602.0	510.6	428.8	352.4	282.3	222.3	173.8	132.9
22.5°	885.4	788.1	690.1	596.1	513.5	432.0	356.1	286.4	225.8	176.4	135.1
20°	857.4	764.9	675.3	595.0	513.4	433.0	357.8	288.6	227.8	177.9	136.7
17.5°	824.9	746.1	669.4	590.5	510.5	431.4	357.2	288.9	228.3	178.4	137.6
15°	807.9	735.9	660.7	583.4	505.0	427.4	354.3	287.5	227.4	178.0	138.1
12.5°	793.6	722.9	649.5	573.6	496.9	421.0	349.2	284.3	225.1	177.3	138.2
10°	777.0	707.2	635.7	561.4	486.4	412.3	342.2	280.1	223.5	176.4	137.7
7.5°	758.1	688.9	619.3	546.6	474.1	403.5	336.2	275.4	221.0	174.7	136.5
5°	738.4	671.4	604.5	533.9	462.9	394.8	329.2	269.1	217.6	172.5	134.8
2.5°	723.6	656.9	590.0	519.5	449.4	384.3	320.8	261.6	213.2	169.5	132.6
0°	706.1	640.1	573.1	503.1	434.1	372.1	311.1	253.0	208.0	166.0	130.0
-2.5°	682.8	617.9	552.4	485.6	419.9	359.5	301.3	246.3	202.9	162.6	127.9
-5°	656.9	593.3	529.6	466.3	404.0	345.6	290.4	238.7	197.1	158.7	125.5
-7.5°	622.6	563.1	503.8	445.0	386.6	330.4	278.5	230.3	190.7	154.4	122.7
-10°	584.8	529.2	474.6	420.1	366.6	314.5	265.9	221.3	183.7	149.6	119.6
-12.5°	545.0	494.0	444.2	394.4	345.5	297.9	253.4	212.3	176.5	144.5	116.2
-15°	503.3	457.9	412.7	367.9	323.7	280.9	240.5	203.0	169.8	139.3	112.6
-17.5°	461.5	421.3	380.5	341.1	301.6	263.5	227.3	193.4	162.7	134.3	109.0
-20°	427.0	388.1	348.2	314.0	279.2	246.0	213.9	183.5	155.4	129.1	105.4



REPORT NUMBER: P561386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	392.7	357.9	322.3	287.9	257.5	228.5	200.5	173.4	147.9	123.6	101.5
-25°	358.3	328.0	297.5	267.2	237.3	212.4	187.8	163.2	140.3	117.9	97.4
-27.5°	325.2	299.0	272.9	246.8	221.1	196.9	175.6	153.8	132.8	112.0	93.2
-30°	293.5	272.1	250.0	227.3	205.0	184.0	163.5	144.6	125.6	106.5	88.7
-32.5°	264.9	245.8	228.4	209.5	190.2	171.4	152.5	135.5	118.4	101.1	84.6
-35°	239.5	223.3	207.9	192.0	176.1	159.6	142.5	126.6	111.3	95.5	80.4
-37.5°	215.4	203.3	189.4	175.9	162.4	147.9	133.3	118.8	104.1	89.8	76.2
-40°	194.9	184.5	172.6	161.3	149.5	136.4	124.2	111.1	97.3	84.0	72.0
-42.5°	175.4	167.2	157.7	147.4	137.2	126.5	115.3	103.5	91.0	78.8	67.7
-45°	158.2	151.4	143.8	135.2	125.5	116.9	106.9	95.9	84.6	73.8	63.5
-47.5°	142.3	137.3	131.1	123.4	115.5	107.5	98.6	88.9	78.3	68.8	59.4
-50°	128.5	124.5	119.3	113.1	106.1	98.7	90.6	82.0	72.9	64.0	55.3
-52.5°	116.9	113.1	108.7	103.4	97.2	90.1	83.2	75.2	67.4	59.3	51.1
-55°	106.4	102.6	98.8	94.1	88.5	82.4	76.0	69.1	61.9	54.7	47.0
-57.5°	96.6	92.9	89.5	85.3	80.4	75.0	69.2	63.0	56.7	50.0	43.4
-60°	87.2	84.1	80.7	77.1	72.7	67.8	62.6	57.1	51.6	45.5	39.9
-62.5°	78.3	75.5	72.5	69.2	65.3	60.9	56.1	51.7	46.5	41.5	36.4
-65°	69.7	67.3	64.7	61.6	58.0	54.2	50.4	46.2	41.9	37.5	32.8
-67.5°	61.2	59.4	56.9	54.0	51.1	48.0	44.6	41.1	37.4	33.4	29.2
-70°	53.6	51.7	49.4	47.1	44.6	41.9	39.3	36.2	32.8	29.4	25.6
-72.5°	45.8	44.0	42.2	40.2	38.5	36.4	34.0	31.3	28.5	25.4	22.0
-75°	37.7	36.7	35.6	34.4	32.8	30.9	28.9	26.7	24.2	21.4	18.6
-77.5°	30.9	30.3	29.5	28.5	27.0	25.5	23.8	22.1	19.9	17.7	15.4
-80°	24.2	23.8	23.1	22.2	21.1	20.0	18.9	17.5	15.8	14.0	12.2
-82.5°	17.8	17.4	17.0	16.5	15.8	15.0	14.0	12.9	11.6	10.3	9.0
-85°	12.2	11.9	11.7	11.3	10.7	10.0	9.2	8.4	7.6	6.8	6.0
-87.5°	6.2	6.1	5.9	5.7	5.4	5.0	4.6	4.2	3.8	3.4	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	2.8	2.4	1.9	1.4	1.0	0.5	0.0
85°	5.7	4.8	3.8	2.9	1.9	1.0	0.0
82.5°	8.5	7.1	5.7	4.3	2.9	1.4	0.0
80°	11.5	9.5	7.6	5.7	3.8	1.9	0.0
77.5°	16.1	12.3	9.5	7.1	4.8	2.4	0.0
75°	20.6	15.9	11.5	8.5	5.7	2.8	0.0
72.5°	25.0	19.4	14.2	9.9	6.6	3.3	0.0
70°	29.4	22.9	16.9	11.4	7.5	3.8	0.0
67.5°	34.5	26.3	19.5	13.3	8.4	4.2	0.0
65°	39.5	29.9	22.1	15.1	9.3	4.6	0.0
62.5°	44.3	33.7	24.6	16.9	10.1	5.1	0.0
60°	48.9	37.4	27.0	18.7	11.0	5.5	0.0
57.5°	53.9	41.0	29.7	20.4	12.1	5.9	0.0
55°	58.6	44.3	32.3	22.0	13.1	6.3	0.0
52.5°	63.1	47.6	34.8	23.6	14.2	6.7	0.0
50°	67.4	51.0	37.1	25.1	15.1	7.1	0.0
47.5°	71.4	54.3	39.4	26.6	16.1	7.4	0.0
45°	76.0	57.3	41.5	28.1	17.0	7.8	0.0
42.5°	80.3	60.0	43.4	29.6	17.8	8.1	0.0
40°	84.1	62.5	45.3	30.9	18.6	8.4	0.0
37.5°	87.5	64.8	47.2	32.2	19.3	8.7	0.0
35°	90.5	67.3	48.9	33.3	20.0	9.0	0.0
32.5°	93.3	69.6	50.4	34.4	20.7	9.3	0.0
30°	96.2	71.6	51.8	35.3	21.2	9.5	0.0
27.5°	98.5	73.3	53.0	36.2	21.8	9.8	0.0
25°	100.4	74.7	54.1	37.0	22.2	10.0	0.0
22.5°	101.7	75.9	55.1	37.6	22.7	10.2	0.0
20°	102.7	77.1	55.9	38.1	23.0	10.3	0.0
17.5°	103.6	78.0	56.6	38.6	23.3	10.5	0.0
15°	104.4	78.7	57.1	38.9	23.6	10.6	0.0
12.5°	104.9	79.2	57.4	39.2	23.8	10.7	0.0
10°	104.9	79.4	57.6	39.3	23.9	10.8	0.0
7.5°	104.7	79.4	57.7	39.4	24.0	10.9	0.0
5°	104.1	79.1	57.6	39.4	24.1	11.0	0.0
2.5°	103.2	78.7	57.4	39.2	24.1	11.0	0.0
0°	102.0	78.0	57.0	39.0	24.0	11.0	0.0
-2.5°	100.7	77.1	56.6	38.8	23.9	11.0	0.0
-5°	99.0	76.1	56.0	38.6	23.8	11.0	0.0
-7.5°	97.2	74.8	55.3	38.2	23.6	10.9	0.0
-10°	95.1	73.4	54.5	37.8	23.4	10.8	0.0
-12.5°	92.7	71.8	53.6	37.3	23.2	10.7	0.0
-15°	90.2	70.1	52.6	36.7	22.9	10.6	0.0
-17.5°	87.4	68.3	51.4	36.1	22.5	10.5	0.0
-20°	84.6	66.3	50.2	35.3	22.1	10.3	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	81.8	64.2	48.9	34.5	21.7	10.2	0.0
-25°	78.9	62.2	47.4	33.7	21.2	10.0	0.0
-27.5°	75.8	60.1	45.9	32.7	20.7	9.8	0.0
-30°	72.6	57.9	44.3	31.7	20.1	9.5	0.0
-32.5°	69.3	55.6	42.7	30.7	19.6	9.3	0.0
-35°	66.2	53.1	41.0	29.6	18.9	9.0	0.0
-37.5°	63.1	50.7	39.3	28.4	18.3	8.7	0.0
-40°	59.9	48.4	37.5	27.2	17.6	8.4	0.0
-42.5°	56.6	46.0	35.7	25.9	16.8	8.1	0.0
-45°	53.2	43.6	33.9	24.6	16.1	7.8	0.0
-47.5°	49.8	41.1	32.1	23.2	15.3	7.4	0.0
-50°	46.7	38.5	30.2	22.0	14.5	7.1	0.0
-52.5°	43.6	35.9	28.3	20.7	13.6	6.7	0.0
-55°	40.5	33.4	26.3	19.4	12.8	6.3	0.0
-57.5°	37.4	30.9	24.2	18.1	11.9	5.9	0.0
-60°	34.2	28.3	22.2	16.7	11.0	5.5	0.0
-62.5°	31.1	25.7	20.4	15.4	10.1	5.1	0.0
-65°	28.0	23.1	18.5	14.0	9.3	4.6	0.0
-67.5°	24.8	20.6	16.6	12.5	8.4	4.2	0.0
-70°	21.6	18.2	14.7	11.1	7.5	3.8	0.0
-72.5°	18.8	15.9	12.8	9.7	6.6	3.3	0.0
-75°	16.0	13.5	10.9	8.3	5.7	2.8	0.0
-77.5°	13.2	11.1	9.1	7.0	4.8	2.4	0.0
-80°	10.4	8.8	7.3	5.6	3.8	1.9	0.0
-82.5°	7.8	6.6	5.5	4.2	2.9	1.4	0.0
-85°	5.2	4.4	3.6	2.8	1.9	1.0	0.0
-87.5°	2.6	2.2	1.8	1.4	1.0	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)