

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: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-AMB-U-NAT-BK**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-08
Report Number: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-305-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA4B-AMB-U-NAT-BK
Description: GALLEON FLOOD, ONE LIGHT SQAURE, NARROW ASYMMETRICAL RECTANGULAR 6x4
Light Source: (64) 1549K CCT, -21.5 CRI LEDS
Ballast/Driver: -

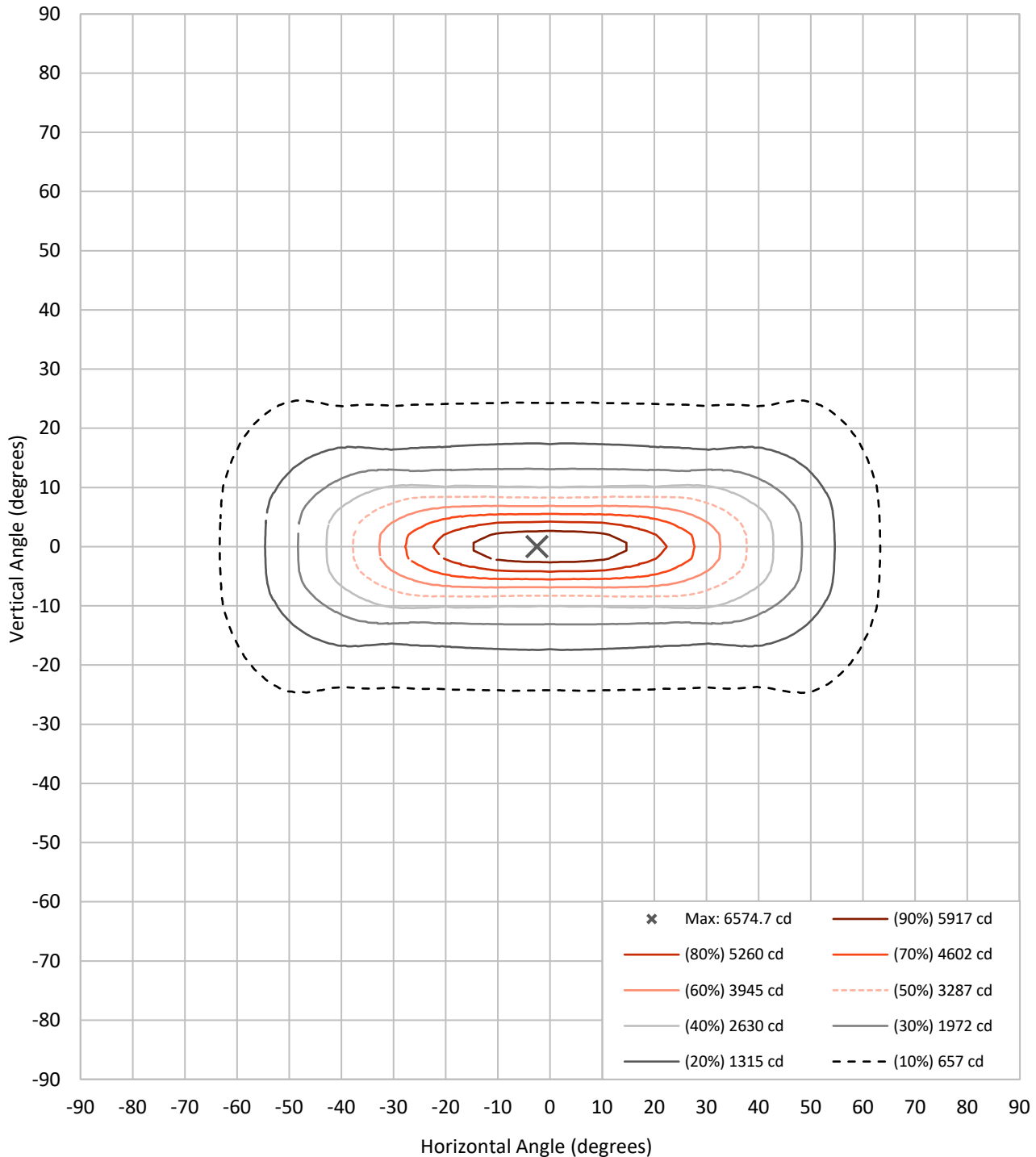
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	4125 lumens	Max Intensity:	6574.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	51.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	75.5°H x 16.6°V	Field Angle (10%):	126.6°H x 48.5°V
Beam Lumens:	1455 lumens	Field Lumens:	3322.9 lumens
Beam Efficiency:	35.3%	Field Efficiency:	80.6%
Input Watts (W):	80.5		
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		



REPORT NUMBER: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





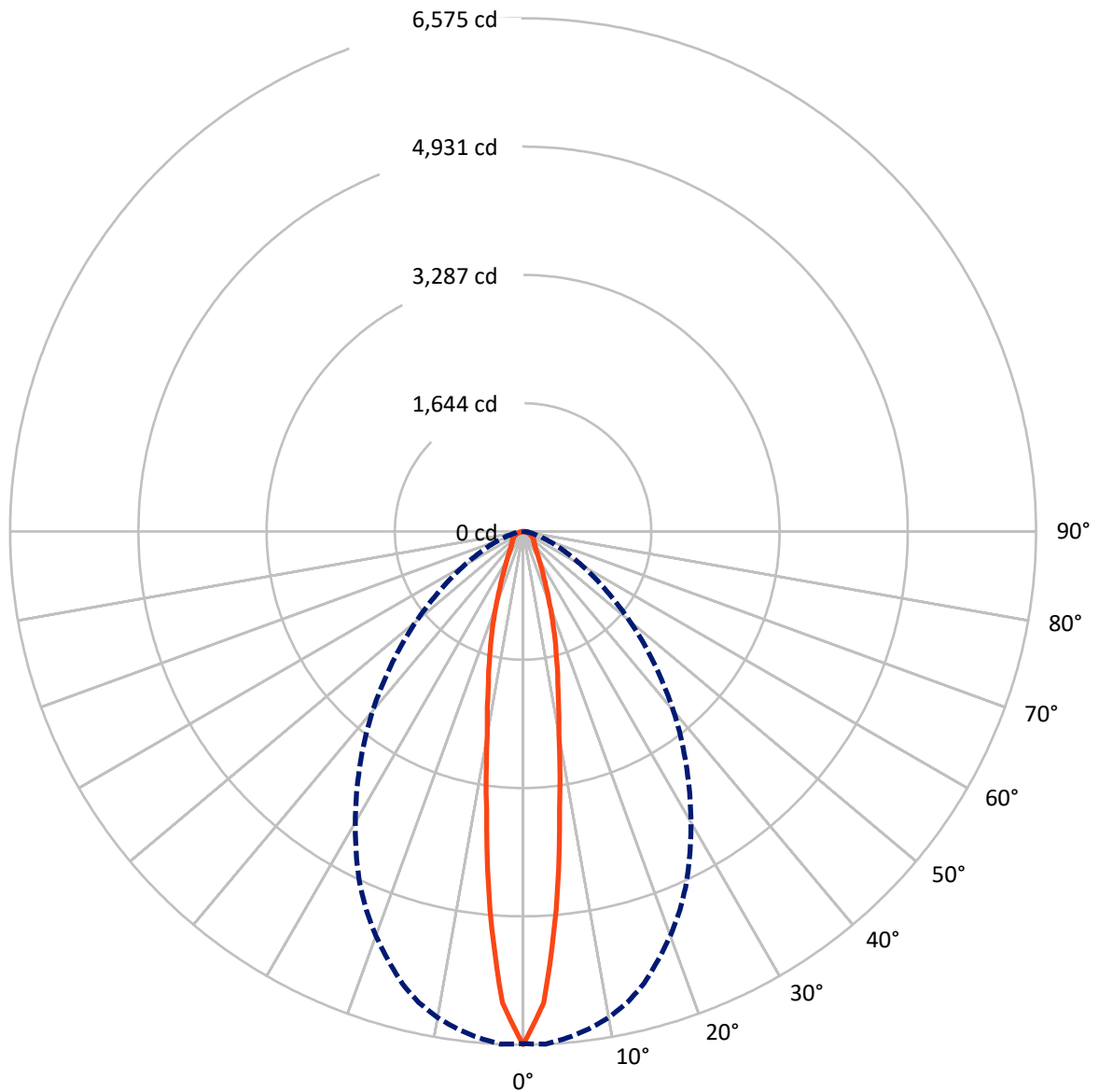
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Lumen Table

90																			
80	0.2	1.5		3.0		4.2		4.6		4.2		3.0		1.5		0.2			
70																			
60	1.0	0.9	1.5	2.0	2.4	2.9	3.3	3.5	3.5	3.3	2.9	2.4	2.0	1.5	0.9	1.0			
50		1.4	2.4	3.1	3.6	4.1	4.5	4.7	4.7	4.5	4.1	3.6	3.1	2.4	1.4				
40	2.0	2.2	3.6	4.6	5.2	5.6	6.0	6.1	6.1	6.0	5.6	5.2	4.6	3.6	2.2	2.0			
30		3.2	5.7	7.1	8.0	8.7	9.1	9.2	9.2	9.1	8.7	8.0	7.1	5.7	3.2				
20	3.1	4.6	9.9	13.8	15.5	17.3	18.8	19.5	19.5	18.8	17.3	15.5	13.8	9.9	4.6	3.1			
10		6.4	16.3	29.4	40.0	45.4	49.5	51.7	51.7	49.5	45.4	40.0	29.4	16.3	6.4				
0	3.6	7.5	22.1	47.9	80.7	112.6	134.4	144.3	144.3	134.4	112.6	80.7	47.9	22.1	7.5	3.6			
-10		7.5	22.1	47.9	80.7	112.6	134.4	144.3	144.3	134.4	112.6	80.7	47.9	22.1	7.5				
-20	3.1	6.4	16.3	29.4	40.0	45.4	49.5	51.7	51.7	49.5	45.4	40.0	29.4	16.3	6.4	3.1			
-30		4.6	9.9	13.8	15.5	17.3	18.8	19.5	19.5	18.8	17.3	15.5	13.8	9.9	4.6				
-40	2.0	3.2	5.7	7.1	8.0	8.7	9.1	9.2	9.2	9.1	8.7	8.0	7.1	5.7	3.2	2.0			
-50		2.2	3.6	4.6	5.2	5.6	6.0	6.1	6.1	6.0	5.6	5.2	4.6	3.6	2.2				
-60	1.0	1.4	2.4	3.1	3.6	4.1	4.5	4.7	4.7	4.5	4.1	3.6	3.1	2.4	1.4	1.0			
-70		0.9	1.5	2.0	2.4	2.9	3.3	3.5	3.5	3.3	2.9	2.4	2.0	1.5	0.9				
-80	0.2	1.5		3.0		4.2		4.6		4.2		3.0		1.5		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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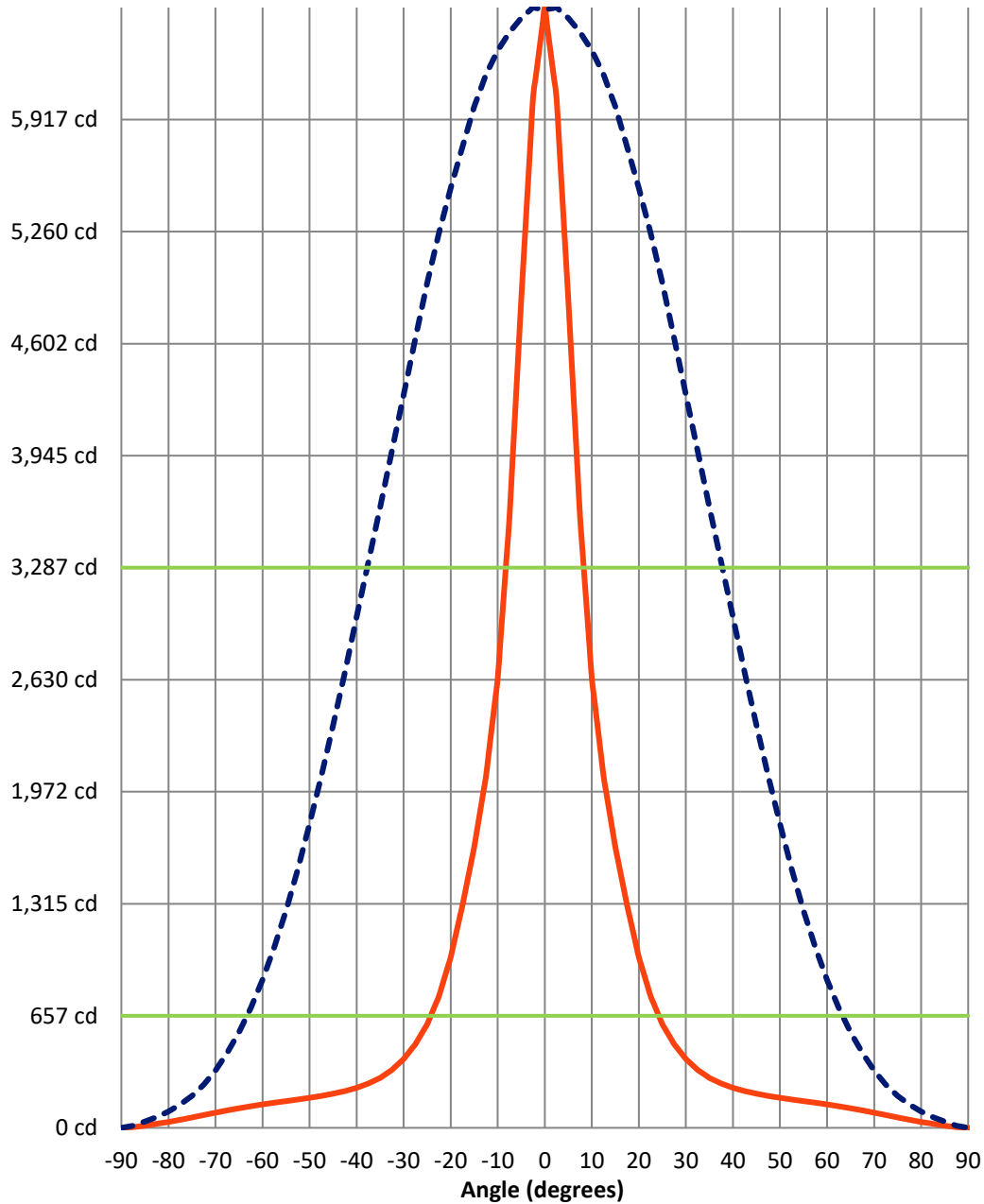
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 75.5°
 V Angle: 16.6°
 Lumens: 1455
 Efficiency: 35.3%

Field:
 H Angle: 126.6°
 V Angle: 48.5°
 Lumens: 3322.9
 Efficiency: 80.6%

Spill:
 Lumens: 802
 Efficiency: 19.4%

- Vertical Distribution through -2.5-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	0.5	1.1	1.6	2.0	2.4	2.8	3.2	3.5	3.8	4.1
85°	0.0	1.1	2.1	3.1	4.0	4.9	5.6	6.4	7.0	7.6	8.1
82.5°	0.0	1.6	3.2	4.7	6.0	7.3	8.5	9.5	10.7	12.2	13.6
80°	0.0	2.1	4.3	6.2	8.0	9.7	11.5	14.0	16.3	18.2	20.0
77.5°	0.0	2.7	5.3	7.8	10.0	12.7	16.1	19.1	21.8	24.2	26.6
75°	0.0	3.2	6.4	9.3	12.3	16.8	20.7	24.2	27.5	31.1	34.2
72.5°	0.0	3.7	7.4	10.8	15.8	20.9	25.3	29.6	34.3	38.4	41.8
70°	0.0	4.2	8.4	12.5	19.2	25.0	30.0	35.8	41.1	45.6	50.0
67.5°	0.0	4.7	9.4	15.3	22.7	29.1	35.6	41.9	47.9	53.8	58.4
65°	0.0	5.2	10.4	18.0	26.1	33.6	41.2	48.1	55.6	62.0	67.5
62.5°	0.0	5.7	11.3	20.6	29.5	38.4	46.8	55.0	63.5	70.7	77.9
60°	0.0	6.1	12.3	23.3	32.9	43.3	52.4	62.2	71.3	80.5	88.3
57.5°	0.0	6.6	14.0	25.8	36.8	48.0	58.8	69.5	80.2	90.5	99.4
55°	0.0	7.1	15.7	28.4	40.7	52.8	65.3	76.9	89.4	100.7	111.1
52.5°	0.0	7.5	17.4	30.9	44.5	57.6	71.8	85.2	98.6	112.0	123.1
50°	0.0	7.9	19.0	33.4	48.3	63.1	78.3	93.7	108.2	123.5	137.0
47.5°	0.0	8.3	20.6	35.9	52.0	68.5	84.9	102.2	118.9	135.2	151.7
45°	0.0	8.7	22.1	38.6	55.6	73.8	92.2	110.8	130.0	149.2	167.0
42.5°	0.0	9.1	23.5	41.2	59.2	79.0	99.5	120.1	141.4	163.7	185.0
40°	0.0	9.4	24.9	43.7	62.9	84.2	106.8	130.1	153.6	178.6	204.3
37.5°	0.0	9.8	26.3	46.0	66.9	89.2	113.9	140.0	167.6	195.4	224.3
35°	0.0	10.1	27.5	48.1	70.7	94.6	120.9	149.9	181.9	214.5	245.6
32.5°	0.0	10.4	28.7	50.1	74.4	100.1	128.2	159.7	196.3	233.9	270.1
30°	0.0	10.7	29.8	52.0	77.9	105.5	136.1	170.0	210.9	253.6	296.0
27.5°	0.0	10.9	30.9	53.7	80.7	110.7	143.8	181.8	226.2	273.6	323.0
25°	0.0	11.1	31.8	55.3	83.3	115.7	151.3	193.5	242.6	295.4	351.1
22.5°	0.0	11.4	32.7	56.8	85.6	120.1	158.6	205.0	258.9	318.3	382.8
20°	0.0	11.6	33.5	58.0	87.7	123.4	165.5	216.1	274.8	341.3	414.9
17.5°	0.0	11.7	34.3	59.2	89.6	126.3	170.8	226.9	290.3	364.3	447.1
15°	0.0	11.9	34.9	60.2	91.2	128.9	174.8	235.3	305.3	386.9	479.0
12.5°	0.0	12.0	35.5	61.0	92.6	131.2	178.3	240.6	315.8	409.0	510.4
10°	0.0	12.1	35.9	61.7	93.7	133.1	181.3	244.9	322.3	420.0	534.9
7.5°	0.0	12.2	36.3	62.2	94.6	134.6	183.7	248.3	327.7	427.8	545.0
5°	0.0	12.3	36.6	62.6	95.2	135.7	185.5	250.8	331.9	433.9	552.7
2.5°	0.0	12.3	36.8	62.8	95.6	136.4	186.7	252.3	334.8	438.1	558.0
0°	0.0	12.3	36.9	62.9	95.7	136.8	187.4	253.0	336.5	440.4	560.8
-2.5°	0.0	12.3	36.8	62.8	95.6	136.4	186.7	252.3	334.8	438.1	558.0
-5°	0.0	12.3	36.6	62.6	95.2	135.7	185.5	250.8	331.9	433.9	552.7
-7.5°	0.0	12.2	36.3	62.2	94.6	134.6	183.7	248.3	327.7	427.8	545.0
-10°	0.0	12.1	35.9	61.7	93.7	133.1	181.3	244.9	322.3	420.0	534.9
-12.5°	0.0	12.0	35.5	61.0	92.6	131.2	178.3	240.6	315.8	409.0	510.4
-15°	0.0	11.9	34.9	60.2	91.2	128.9	174.8	235.3	305.3	386.9	479.0
-17.5°	0.0	11.7	34.3	59.2	89.6	126.3	170.8	226.9	290.3	364.3	447.1
-20°	0.0	11.6	33.5	58.0	87.7	123.4	165.5	216.1	274.8	341.3	414.9



REPORT NUMBER: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-NAT-BK

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	11.4	32.7	56.8	85.6	120.1	158.6	205.0	258.9	318.3	382.8
-25°	0.0	11.1	31.8	55.3	83.3	115.7	151.3	193.5	242.6	295.4	351.1
-27.5°	0.0	10.9	30.9	53.7	80.7	110.7	143.8	181.8	226.2	273.6	323.0
-30°	0.0	10.7	29.8	52.0	77.9	105.5	136.1	170.0	210.9	253.6	296.0
-32.5°	0.0	10.4	28.7	50.1	74.4	100.1	128.2	159.7	196.3	233.9	270.1
-35°	0.0	10.1	27.5	48.1	70.7	94.6	120.9	149.9	181.9	214.5	245.6
-37.5°	0.0	9.8	26.3	46.0	66.9	89.2	113.9	140.0	167.6	195.4	224.3
-40°	0.0	9.4	24.9	43.7	62.9	84.2	106.8	130.1	153.6	178.6	204.3
-42.5°	0.0	9.1	23.5	41.2	59.2	79.0	99.5	120.1	141.4	163.7	185.0
-45°	0.0	8.7	22.1	38.6	55.6	73.8	92.2	110.8	130.0	149.2	167.0
-47.5°	0.0	8.3	20.6	35.9	52.0	68.5	84.9	102.2	118.9	135.2	151.7
-50°	0.0	7.9	19.0	33.4	48.3	63.1	78.3	93.7	108.2	123.5	137.0
-52.5°	0.0	7.5	17.4	30.9	44.5	57.6	71.8	85.2	98.6	112.0	123.1
-55°	0.0	7.1	15.7	28.4	40.7	52.8	65.3	76.9	89.4	100.7	111.1
-57.5°	0.0	6.6	14.0	25.8	36.8	48.0	58.8	69.5	80.2	90.5	99.4
-60°	0.0	6.1	12.3	23.3	32.9	43.3	52.4	62.2	71.3	80.5	88.3
-62.5°	0.0	5.7	11.3	20.6	29.5	38.4	46.8	55.0	63.5	70.7	77.9
-65°	0.0	5.2	10.4	18.0	26.1	33.6	41.2	48.1	55.6	62.0	67.5
-67.5°	0.0	4.7	9.4	15.3	22.7	29.1	35.6	41.9	47.9	53.8	58.4
-70°	0.0	4.2	8.4	12.5	19.2	25.0	30.0	35.8	41.1	45.6	50.0
-72.5°	0.0	3.7	7.4	10.8	15.8	20.9	25.3	29.6	34.3	38.4	41.8
-75°	0.0	3.2	6.4	9.3	12.3	16.8	20.7	24.2	27.5	31.1	34.2
-77.5°	0.0	2.7	5.3	7.8	10.0	12.7	16.1	19.1	21.8	24.2	26.6
-80°	0.0	2.1	4.3	6.2	8.0	9.7	11.5	14.0	16.3	18.2	20.0
-82.5°	0.0	1.6	3.2	4.7	6.0	7.3	8.5	9.5	10.7	12.2	13.6
-85°	0.0	1.1	2.1	3.1	4.0	4.9	5.6	6.4	7.0	7.6	8.1
-87.5°	0.0	0.5	1.1	1.6	2.0	2.4	2.8	3.2	3.5	3.8	4.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLD-SA4B-AMB-U-NAT-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°	4.3	4.5	4.6	4.7	5.0	5.3	5.5	5.8	5.8	5.7	5.7
85°	8.5	8.9	9.5	10.0	10.7	11.3	11.8	12.2	12.4	12.6	12.8
82.5°	14.8	15.7	16.5	17.1	17.8	18.4	18.8	19.3	20.0	20.6	21.1
80°	21.4	22.6	23.9	25.0	26.1	27.1	27.7	28.1	28.8	29.7	30.5
77.5°	28.9	30.8	32.5	33.8	35.0	36.3	37.1	37.7	38.8	40.1	41.3
75°	36.8	39.1	41.3	43.1	44.8	46.1	47.1	47.7	48.7	50.2	51.4
72.5°	45.1	48.1	50.6	52.7	54.8	56.4	57.4	57.8	58.8	60.5	61.9
70°	53.6	57.1	60.6	63.4	65.4	67.2	68.5	69.1	69.7	71.4	72.8
67.5°	62.5	67.5	71.4	74.4	76.8	78.9	80.2	80.6	80.7	82.6	84.2
65°	72.9	78.2	82.6	86.0	88.6	90.4	91.7	92.2	92.1	93.9	95.7
62.5°	83.5	89.2	94.1	97.8	100.1	101.9	103.5	104.3	104.2	105.2	106.9
60°	94.6	100.4	105.8	109.7	112.1	114.1	116.0	117.0	116.7	116.6	118.4
57.5°	106.2	111.8	117.8	122.3	125.4	126.8	129.3	130.3	129.9	128.3	130.4
55°	118.6	123.8	130.6	136.1	139.6	141.2	143.2	144.3	143.8	142.2	143.1
52.5°	132.5	137.3	144.4	150.7	155.2	156.9	157.7	159.1	159.2	157.5	156.3
50°	147.2	153.9	158.9	166.7	171.7	173.8	173.1	175.2	175.2	173.4	170.4
47.5°	164.3	172.1	174.8	183.5	189.4	192.3	192.0	191.4	191.6	190.9	188.3
45°	183.0	192.9	196.0	201.4	208.5	212.6	212.4	208.1	210.0	209.9	207.6
42.5°	203.0	215.9	221.5	220.1	229.3	234.6	235.0	231.5	229.9	230.9	229.5
40°	225.5	240.7	250.4	249.3	251.5	258.5	261.7	259.6	251.9	254.4	254.0
37.5°	249.5	270.0	283.2	286.4	275.9	285.7	291.2	293.2	286.8	280.1	282.8
35°	274.7	301.8	321.4	329.7	323.3	316.0	326.9	331.6	327.8	316.9	316.0
32.5°	303.2	335.9	363.3	379.2	381.5	366.8	366.3	375.1	376.8	370.1	355.3
30°	335.7	375.1	409.6	434.1	447.9	445.3	421.4	423.8	432.4	434.3	426.3
27.5°	371.7	417.3	461.4	497.4	522.8	533.6	523.3	488.0	497.3	507.3	509.0
25°	409.3	466.1	516.7	567.2	607.9	633.9	640.0	623.1	580.1	592.6	606.6
22.5°	449.8	517.2	581.2	642.0	699.5	744.9	772.6	780.2	762.5	712.4	716.6
20°	492.9	573.1	651.9	729.6	799.0	864.8	917.1	955.3	969.4	954.8	905.6
17.5°	536.6	630.5	726.7	824.3	917.6	1001.6	1073.3	1145.9	1195.5	1223.7	1221.4
15°	580.5	688.8	803.1	922.5	1042.6	1156.1	1260.3	1357.1	1442.9	1518.2	1567.5
12.5°	624.0	747.2	880.2	1022.9	1171.4	1316.0	1458.4	1594.5	1719.5	1838.0	1945.0
10°	666.7	804.9	956.9	1123.8	1302.2	1478.9	1661.0	1838.0	2008.3	2173.9	2331.5
7.5°	683.2	841.8	1023.6	1223.8	1432.6	1642.2	1864.8	2084.0	2299.4	2512.5	2719.2
5°	693.0	854.7	1040.8	1253.9	1495.2	1750.9	2033.4	2326.7	2588.4	2849.0	3104.8
2.5°	699.6	863.7	1053.0	1267.6	1510.1	1771.8	2054.5	2350.8	2657.2	2977.5	3298.7
0°	703.0	868.5	1060.0	1274.7	1516.8	1783.5	2063.9	2362.1	2671.2	2998.1	3319.5
-2.5°	699.6	863.7	1053.0	1267.6	1510.1	1771.8	2054.5	2350.8	2657.2	2977.5	3298.7
-5°	693.0	854.7	1040.8	1253.9	1495.2	1750.9	2033.4	2326.7	2588.4	2849.0	3104.8
-7.5°	683.2	841.8	1023.6	1223.8	1432.6	1642.2	1864.8	2084.0	2299.4	2512.5	2719.2
-10°	666.7	804.9	956.9	1123.8	1302.2	1478.9	1661.0	1838.0	2008.3	2173.9	2331.5
-12.5°	624.0	747.2	880.2	1022.9	1171.4	1316.0	1458.4	1594.5	1719.5	1838.0	1945.0
-15°	580.5	688.8	803.1	922.5	1042.6	1156.1	1260.3	1357.1	1442.9	1518.2	1567.5
-17.5°	536.6	630.5	726.7	824.3	917.6	1001.6	1073.3	1145.9	1195.5	1223.7	1221.4
-20°	492.9	573.1	651.9	729.6	799.0	864.8	917.1	955.3	969.4	954.8	905.6



REPORT NUMBER: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-NAT-BK

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	449.8	517.2	581.2	642.0	699.5	744.9	772.6	780.2	762.5	712.4	716.6
-25°	409.3	466.1	516.7	567.2	607.9	633.9	640.0	623.1	580.1	592.6	606.6
-27.5°	371.7	417.3	461.4	497.4	522.8	533.6	523.3	488.0	497.3	507.3	509.0
-30°	335.7	375.1	409.6	434.1	447.9	445.3	421.4	423.8	432.4	434.3	426.3
-32.5°	303.2	335.9	363.3	379.2	381.5	366.8	366.3	375.1	376.8	370.1	355.3
-35°	274.7	301.8	321.4	329.7	323.3	316.0	326.9	331.6	327.8	316.9	316.0
-37.5°	249.5	270.0	283.2	286.4	275.9	285.7	291.2	293.2	286.8	280.1	282.8
-40°	225.5	240.7	250.4	249.3	251.5	258.5	261.7	259.6	251.9	254.4	254.0
-42.5°	203.0	215.9	221.5	220.1	229.3	234.6	235.0	231.5	229.9	230.9	229.5
-45°	183.0	192.9	196.0	201.4	208.5	212.6	212.4	208.1	210.0	209.9	207.6
-47.5°	164.3	172.1	174.8	183.5	189.4	192.3	192.0	191.4	191.6	190.9	188.3
-50°	147.2	153.9	158.9	166.7	171.7	173.8	173.1	175.2	175.2	173.4	170.4
-52.5°	132.5	137.3	144.4	150.7	155.2	156.9	157.7	159.1	159.2	157.5	156.3
-55°	118.6	123.8	130.6	136.1	139.6	141.2	143.2	144.3	143.8	142.2	143.1
-57.5°	106.2	111.8	117.8	122.3	125.4	126.8	129.3	130.3	129.9	128.3	130.4
-60°	94.6	100.4	105.8	109.7	112.1	114.1	116.0	117.0	116.7	116.6	118.4
-62.5°	83.5	89.2	94.1	97.8	100.1	101.9	103.5	104.3	104.2	105.2	106.9
-65°	72.9	78.2	82.6	86.0	88.6	90.4	91.7	92.2	92.1	93.9	95.7
-67.5°	62.5	67.5	71.4	74.4	76.8	78.9	80.2	80.6	80.7	82.6	84.2
-70°	53.6	57.1	60.6	63.4	65.4	67.2	68.5	69.1	69.7	71.4	72.8
-72.5°	45.1	48.1	50.6	52.7	54.8	56.4	57.4	57.8	58.8	60.5	61.9
-75°	36.8	39.1	41.3	43.1	44.8	46.1	47.1	47.7	48.7	50.2	51.4
-77.5°	28.9	30.8	32.5	33.8	35.0	36.3	37.1	37.7	38.8	40.1	41.3
-80°	21.4	22.6	23.9	25.0	26.1	27.1	27.7	28.1	28.8	29.7	30.5
-82.5°	14.8	15.7	16.5	17.1	17.8	18.4	18.8	19.3	20.0	20.6	21.1
-85°	8.5	8.9	9.5	10.0	10.7	11.3	11.8	12.2	12.4	12.6	12.8
-87.5°	4.3	4.5	4.6	4.7	5.0	5.3	5.5	5.8	5.8	5.7	5.7
-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: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-NAT-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°	5.6	5.5	5.3	5.2	5.0	5.1	5.2	5.2	5.3	5.0	4.7
85°	12.9	13.1	13.1	13.2	13.2	13.3	13.3	13.2	13.1	13.0	12.8
82.5°	21.5	22.1	22.7	23.3	23.9	24.0	23.9	23.8	23.5	23.8	24.1
80°	31.2	32.2	33.1	33.8	34.2	34.4	34.4	34.3	34.1	34.3	34.3
77.5°	42.2	43.0	43.8	44.4	44.9	45.5	46.0	46.5	46.9	47.3	47.5
75°	52.4	53.4	54.5	55.6	56.6	57.7	58.6	59.4	60.1	60.6	61.0
72.5°	62.8	64.0	65.7	67.2	68.5	69.7	71.0	72.2	73.3	74.0	74.5
70°	73.9	75.1	76.9	78.6	80.0	81.6	83.4	85.0	86.4	87.4	88.0
67.5°	85.4	86.5	88.7	90.6	92.4	94.1	96.2	97.9	99.5	100.6	101.4
65°	96.9	97.4	99.7	102.1	104.3	106.3	108.4	110.2	111.8	113.0	113.7
62.5°	107.9	108.5	110.8	113.5	115.7	117.4	119.5	121.6	123.5	125.0	125.8
60°	119.7	120.5	121.8	124.2	126.0	127.5	129.7	131.9	133.7	135.1	136.1
57.5°	131.8	132.1	132.3	134.9	136.7	137.8	139.7	142.0	143.8	145.3	146.3
55°	144.3	144.7	144.2	146.1	147.8	149.2	150.8	152.7	154.1	155.1	156.0
52.5°	157.6	157.8	156.5	157.1	159.1	160.2	160.8	162.8	164.3	165.3	166.1
50°	171.8	171.7	170.2	168.9	171.0	172.2	172.5	174.1	175.1	175.5	175.8
47.5°	187.0	186.8	185.6	182.7	184.4	185.6	185.2	185.4	186.8	187.4	187.8
45°	203.5	204.3	203.1	200.7	200.0	201.0	200.5	199.7	201.3	201.6	201.2
42.5°	225.4	223.7	223.1	221.2	217.7	218.8	218.7	216.6	217.9	218.2	217.3
40°	251.3	245.0	246.2	244.7	240.8	239.6	240.4	238.3	238.2	239.1	237.8
37.5°	281.5	276.1	273.6	273.6	270.6	265.8	267.7	266.7	264.5	265.7	264.0
35°	318.0	316.1	307.3	309.0	307.6	302.7	302.5	302.6	297.1	299.3	298.0
32.5°	362.3	363.2	357.8	352.6	354.8	352.5	345.6	349.4	345.2	344.5	345.0
30°	412.7	418.9	421.0	414.0	413.4	414.6	409.6	410.8	410.8	406.8	409.8
27.5°	497.2	486.6	496.1	497.4	486.7	490.8	495.7	488.2	496.4	489.0	495.5
25°	607.1	593.6	586.8	601.2	600.2	593.6	607.3	603.6	608.5	607.5	609.7
22.5°	738.1	744.3	730.1	726.6	749.6	751.6	747.1	762.9	754.7	769.1	764.3
20°	886.5	916.2	933.3	929.1	929.3	952.1	955.0	968.4	976.2	984.0	988.5
17.5°	1181.7	1119.1	1168.1	1197.3	1199.1	1198.1	1233.3	1238.4	1257.0	1267.4	1280.2
15°	1584.9	1563.4	1499.4	1505.4	1555.8	1570.9	1545.4	1590.8	1600.7	1623.9	1623.4
12.5°	2025.2	2071.0	2077.6	2038.1	1955.6	2029.4	2060.6	2018.0	2057.9	2043.4	2066.5
10°	2478.8	2611.2	2696.5	2740.3	2741.6	2703.5	2660.6	2718.2	2696.0	2702.8	2665.3
7.5°	2915.9	3102.0	3275.2	3436.1	3558.2	3611.1	3630.4	3623.6	3627.5	3648.7	3613.3
5°	3350.1	3584.3	3802.7	4010.2	4202.6	4386.1	4561.2	4705.4	4751.3	4794.8	4848.0
2.5°	3619.2	3939.4	4248.3	4551.5	4805.0	5025.1	5232.4	5420.7	5589.6	5760.4	5921.0
0°	3640.9	3971.9	4301.5	4633.9	4958.0	5250.7	5514.7	5756.8	5993.4	6180.8	6323.0
-2.5°	3619.2	3939.4	4248.3	4551.5	4805.0	5025.1	5232.4	5420.7	5589.6	5760.4	5921.0
-5°	3350.1	3584.3	3802.7	4010.2	4202.6	4386.1	4561.2	4705.4	4751.3	4794.8	4848.0
-7.5°	2915.9	3102.0	3275.2	3436.1	3558.2	3611.1	3630.4	3623.6	3627.5	3648.7	3613.3
-10°	2478.8	2611.2	2696.5	2740.3	2741.6	2703.5	2660.6	2718.2	2696.0	2702.8	2665.3
-12.5°	2025.2	2071.0	2077.6	2038.1	1955.6	2029.4	2060.6	2018.0	2057.9	2043.4	2066.5
-15°	1584.9	1563.4	1499.4	1505.4	1555.8	1570.9	1545.4	1590.8	1600.7	1623.9	1623.4
-17.5°	1181.7	1119.1	1168.1	1197.3	1199.1	1198.1	1233.3	1238.4	1257.0	1267.4	1280.2
-20°	886.5	916.2	933.3	929.1	929.3	952.1	955.0	968.4	976.2	984.0	988.5



REPORT NUMBER: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-NAT-BK

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	738.1	744.3	730.1	726.6	749.6	751.6	747.1	762.9	754.7	769.1	764.3
-25°	607.1	593.6	586.8	601.2	600.2	593.6	607.3	603.6	608.5	607.5	609.7
-27.5°	497.2	486.6	496.1	497.4	486.7	490.8	495.7	488.2	496.4	489.0	495.5
-30°	412.7	418.9	421.0	414.0	413.4	414.6	409.6	410.8	410.8	406.8	409.8
-32.5°	362.3	363.2	357.8	352.6	354.8	352.5	345.6	349.4	345.2	344.5	345.0
-35°	318.0	316.1	307.3	309.0	307.6	302.7	302.5	302.6	297.1	299.3	298.0
-37.5°	281.5	276.1	273.6	273.6	270.6	265.8	267.7	266.7	264.5	265.7	264.0
-40°	251.3	245.0	246.2	244.7	240.8	239.6	240.4	238.3	238.2	239.1	237.8
-42.5°	225.4	223.7	223.1	221.2	217.7	218.8	218.7	216.6	217.9	218.2	217.3
-45°	203.5	204.3	203.1	200.7	200.0	201.0	200.5	199.7	201.3	201.6	201.2
-47.5°	187.0	186.8	185.6	182.7	184.4	185.6	185.2	185.4	186.8	187.4	187.8
-50°	171.8	171.7	170.2	168.9	171.0	172.2	172.5	174.1	175.1	175.5	175.8
-52.5°	157.6	157.8	156.5	157.1	159.1	160.2	160.8	162.8	164.3	165.3	166.1
-55°	144.3	144.7	144.2	146.1	147.8	149.2	150.8	152.7	154.1	155.1	156.0
-57.5°	131.8	132.1	132.3	134.9	136.7	137.8	139.7	142.0	143.8	145.3	146.3
-60°	119.7	120.5	121.8	124.2	126.0	127.5	129.7	131.9	133.7	135.1	136.1
-62.5°	107.9	108.5	110.8	113.5	115.7	117.4	119.5	121.6	123.5	125.0	125.8
-65°	96.9	97.4	99.7	102.1	104.3	106.3	108.4	110.2	111.8	113.0	113.7
-67.5°	85.4	86.5	88.7	90.6	92.4	94.1	96.2	97.9	99.5	100.6	101.4
-70°	73.9	75.1	76.9	78.6	80.0	81.6	83.4	85.0	86.4	87.4	88.0
-72.5°	62.8	64.0	65.7	67.2	68.5	69.7	71.0	72.2	73.3	74.0	74.5
-75°	52.4	53.4	54.5	55.6	56.6	57.7	58.6	59.4	60.1	60.6	61.0
-77.5°	42.2	43.0	43.8	44.4	44.9	45.5	46.0	46.5	46.9	47.3	47.5
-80°	31.2	32.2	33.1	33.8	34.2	34.4	34.4	34.3	34.1	34.3	34.3
-82.5°	21.5	22.1	22.7	23.3	23.9	24.0	23.9	23.8	23.5	23.8	24.1
-85°	12.9	13.1	13.1	13.2	13.2	13.3	13.3	13.2	13.1	13.0	12.8
-87.5°	5.6	5.5	5.3	5.2	5.0	5.1	5.2	5.2	5.3	5.0	4.7
-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: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-NAT-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°	4.4	4.1	4.1	4.1	4.1	4.1	4.4	4.7	5.0	5.3	5.2
85°	12.5	12.2	12.3	12.3	12.3	12.2	12.5	12.8	13.0	13.1	13.2
82.5°	24.3	24.5	23.9	23.3	23.9	24.5	24.3	24.1	23.8	23.5	23.8
80°	34.2	34.1	34.2	34.2	34.2	34.1	34.2	34.3	34.3	34.1	34.3
77.5°	47.7	47.7	47.2	46.5	47.2	47.7	47.7	47.5	47.3	46.9	46.5
75°	61.2	61.2	60.8	60.2	60.8	61.2	61.2	61.0	60.6	60.1	59.4
72.5°	74.8	74.9	75.1	75.2	75.1	74.9	74.8	74.5	74.0	73.3	72.2
70°	88.3	88.5	88.8	88.9	88.8	88.5	88.3	88.0	87.4	86.4	85.0
67.5°	101.9	102.2	102.5	102.6	102.5	102.2	101.9	101.4	100.6	99.5	97.9
65°	114.2	114.5	114.8	114.9	114.8	114.5	114.2	113.7	113.0	111.8	110.2
62.5°	126.4	126.7	126.5	125.8	126.5	126.7	126.4	125.8	125.0	123.5	121.6
60°	136.9	137.6	137.4	136.8	137.4	137.6	136.9	136.1	135.1	133.7	131.9
57.5°	147.0	147.3	147.6	147.7	147.6	147.3	147.0	146.3	145.3	143.8	142.0
55°	156.6	156.9	156.6	155.9	156.6	156.9	156.6	156.0	155.1	154.1	152.7
52.5°	166.6	166.6	166.2	165.5	166.2	166.6	166.6	166.1	165.3	164.3	162.8
50°	176.2	176.1	176.2	176.4	176.2	176.1	176.2	175.8	175.5	175.1	174.1
47.5°	188.0	187.4	187.2	187.4	187.2	187.4	188.0	187.8	187.4	186.8	185.4
45°	201.4	201.0	200.4	199.7	200.4	201.0	201.4	201.2	201.6	201.3	199.7
42.5°	217.5	216.6	215.4	214.7	215.4	216.6	217.5	217.3	218.2	217.9	216.6
40°	237.6	236.2	234.7	235.2	234.7	236.2	237.6	237.8	239.1	238.2	238.3
37.5°	263.2	262.1	260.2	259.9	260.2	262.1	263.2	264.0	265.7	264.5	266.7
35°	296.3	295.4	292.7	291.3	292.7	295.4	296.3	298.0	299.3	297.1	302.6
32.5°	342.2	342.8	339.9	336.5	339.9	342.8	342.2	345.0	344.5	345.2	349.4
30°	405.6	407.6	403.8	402.1	403.8	407.6	405.6	409.8	406.8	410.8	410.8
27.5°	492.7	494.4	491.1	491.0	491.1	494.4	492.7	495.5	489.0	496.4	488.2
25°	611.8	611.3	607.7	604.5	607.7	611.3	611.8	609.7	607.5	608.5	603.6
22.5°	776.7	774.0	772.2	772.8	772.2	774.0	776.7	764.3	769.1	754.7	762.9
20°	1001.5	996.6	1000.9	991.6	1000.9	996.6	1001.5	988.5	984.0	976.2	968.4
17.5°	1289.0	1294.7	1305.2	1284.3	1305.2	1294.7	1289.0	1280.2	1267.4	1257.0	1238.4
15°	1639.8	1646.5	1647.4	1620.8	1647.4	1646.5	1639.8	1623.4	1623.9	1600.7	1590.8
12.5°	2062.5	2068.5	2062.3	2066.6	2062.3	2068.5	2062.5	2066.5	2043.4	2057.9	2018.0
10°	2649.6	2672.2	2638.3	2645.2	2638.3	2672.2	2649.6	2665.3	2702.8	2696.0	2718.2
7.5°	3592.5	3584.9	3584.6	3588.9	3584.6	3584.9	3592.5	3613.3	3648.7	3627.5	3623.6
5°	4859.0	4849.4	4861.4	4895.1	4861.4	4849.4	4859.0	4848.0	4794.8	4751.3	4705.4
2.5°	5993.8	6054.3	6044.9	6093.2	6044.9	6054.3	5993.8	5921.0	5760.4	5589.6	5420.7
0°	6429.7	6513.1	6574.7	6562.4	6574.7	6513.1	6429.7	6323.0	6180.8	5993.4	5756.8
-2.5°	5993.8	6054.3	6044.9	6093.2	6044.9	6054.3	5993.8	5921.0	5760.4	5589.6	5420.7
-5°	4859.0	4849.4	4861.4	4895.1	4861.4	4849.4	4859.0	4848.0	4794.8	4751.3	4705.4
-7.5°	3592.5	3584.9	3584.6	3588.9	3584.6	3584.9	3592.5	3613.3	3648.7	3627.5	3623.6
-10°	2649.6	2672.2	2638.3	2645.2	2638.3	2672.2	2649.6	2665.3	2702.8	2696.0	2718.2
-12.5°	2062.5	2068.5	2062.3	2066.6	2062.3	2068.5	2062.5	2066.5	2043.4	2057.9	2018.0
-15°	1639.8	1646.5	1647.4	1620.8	1647.4	1646.5	1639.8	1623.4	1623.9	1600.7	1590.8
-17.5°	1289.0	1294.7	1305.2	1284.3	1305.2	1294.7	1289.0	1280.2	1267.4	1257.0	1238.4
-20°	1001.5	996.6	1000.9	991.6	1000.9	996.6	1001.5	988.5	984.0	976.2	968.4



REPORT NUMBER: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-NAT-BK

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	776.7	774.0	772.2	772.8	772.2	774.0	776.7	764.3	769.1	754.7	762.9
-25°	611.8	611.3	607.7	604.5	607.7	611.3	611.8	609.7	607.5	608.5	603.6
-27.5°	492.7	494.4	491.1	491.0	491.1	494.4	492.7	495.5	489.0	496.4	488.2
-30°	405.6	407.6	403.8	402.1	403.8	407.6	405.6	409.8	406.8	410.8	410.8
-32.5°	342.2	342.8	339.9	336.5	339.9	342.8	342.2	345.0	344.5	345.2	349.4
-35°	296.3	295.4	292.7	291.3	292.7	295.4	296.3	298.0	299.3	297.1	302.6
-37.5°	263.2	262.1	260.2	259.9	260.2	262.1	263.2	264.0	265.7	264.5	266.7
-40°	237.6	236.2	234.7	235.2	234.7	236.2	237.6	237.8	239.1	238.2	238.3
-42.5°	217.5	216.6	215.4	214.7	215.4	216.6	217.5	217.3	218.2	217.9	216.6
-45°	201.4	201.0	200.4	199.7	200.4	201.0	201.4	201.2	201.6	201.3	199.7
-47.5°	188.0	187.4	187.2	187.4	187.2	187.4	188.0	187.8	187.4	186.8	185.4
-50°	176.2	176.1	176.2	176.4	176.2	176.1	176.2	175.8	175.5	175.1	174.1
-52.5°	166.6	166.6	166.2	165.5	166.2	166.6	166.6	166.1	165.3	164.3	162.8
-55°	156.6	156.9	156.6	155.9	156.6	156.9	156.6	156.0	155.1	154.1	152.7
-57.5°	147.0	147.3	147.6	147.7	147.6	147.3	147.0	146.3	145.3	143.8	142.0
-60°	136.9	137.6	137.4	136.8	137.4	137.6	136.9	136.1	135.1	133.7	131.9
-62.5°	126.4	126.7	126.5	125.8	126.5	126.7	126.4	125.8	125.0	123.5	121.6
-65°	114.2	114.5	114.8	114.9	114.8	114.5	114.2	113.7	113.0	111.8	110.2
-67.5°	101.9	102.2	102.5	102.6	102.5	102.2	101.9	101.4	100.6	99.5	97.9
-70°	88.3	88.5	88.8	88.9	88.8	88.5	88.3	88.0	87.4	86.4	85.0
-72.5°	74.8	74.9	75.1	75.2	75.1	74.9	74.8	74.5	74.0	73.3	72.2
-75°	61.2	61.2	60.8	60.2	60.8	61.2	61.2	61.0	60.6	60.1	59.4
-77.5°	47.7	47.7	47.2	46.5	47.2	47.7	47.7	47.5	47.3	46.9	46.5
-80°	34.2	34.1	34.2	34.2	34.2	34.1	34.2	34.3	34.3	34.1	34.3
-82.5°	24.3	24.5	23.9	23.3	23.9	24.5	24.3	24.1	23.8	23.5	23.8
-85°	12.5	12.2	12.3	12.3	12.3	12.2	12.5	12.8	13.0	13.1	13.2
-87.5°	4.4	4.1	4.1	4.1	4.1	4.1	4.4	4.7	5.0	5.3	5.2
-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: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-NAT-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°	5.2	5.1	5.0	5.2	5.3	5.5	5.6	5.7	5.7	5.8	5.8
85°	13.3	13.3	13.2	13.2	13.1	13.1	12.9	12.8	12.6	12.4	12.2
82.5°	23.9	24.0	23.9	23.3	22.7	22.1	21.5	21.1	20.6	20.0	19.3
80°	34.4	34.4	34.2	33.8	33.1	32.2	31.2	30.5	29.7	28.8	28.1
77.5°	46.0	45.5	44.9	44.4	43.8	43.0	42.2	41.3	40.1	38.8	37.7
75°	58.6	57.7	56.6	55.6	54.5	53.4	52.4	51.4	50.2	48.7	47.7
72.5°	71.0	69.7	68.5	67.2	65.7	64.0	62.8	61.9	60.5	58.8	57.8
70°	83.4	81.6	80.0	78.6	76.9	75.1	73.9	72.8	71.4	69.7	69.1
67.5°	96.2	94.1	92.4	90.6	88.7	86.5	85.4	84.2	82.6	80.7	80.6
65°	108.4	106.3	104.3	102.1	99.7	97.4	96.9	95.7	93.9	92.1	92.2
62.5°	119.5	117.4	115.7	113.5	110.8	108.5	107.9	106.9	105.2	104.2	104.3
60°	129.7	127.5	126.0	124.2	121.8	120.5	119.7	118.4	116.6	116.7	117.0
57.5°	139.7	137.8	136.7	134.9	132.3	132.1	131.8	130.4	128.3	129.9	130.3
55°	150.8	149.2	147.8	146.1	144.2	144.7	144.3	143.1	142.2	143.8	144.3
52.5°	160.8	160.2	159.1	157.1	156.5	157.8	157.6	156.3	157.5	159.2	159.1
50°	172.5	172.2	171.0	168.9	170.2	171.7	171.8	170.4	173.4	175.2	175.2
47.5°	185.2	185.6	184.4	182.7	185.6	186.8	187.0	188.3	190.9	191.6	191.4
45°	200.5	201.0	200.0	200.7	203.1	204.3	203.5	207.6	209.9	210.0	208.1
42.5°	218.7	218.8	217.7	221.2	223.1	223.7	225.4	229.5	230.9	229.9	231.5
40°	240.4	239.6	240.8	244.7	246.2	245.0	251.3	254.0	254.4	251.9	259.6
37.5°	267.7	265.8	270.6	273.6	273.6	276.1	281.5	282.8	280.1	286.8	293.2
35°	302.5	302.7	307.6	309.0	307.3	316.1	318.0	316.0	316.9	327.8	331.6
32.5°	345.6	352.5	354.8	352.6	357.8	363.2	362.3	355.3	370.1	376.8	375.1
30°	409.6	414.6	413.4	414.0	421.0	418.9	412.7	426.3	434.3	432.4	423.8
27.5°	495.7	490.8	486.7	497.4	496.1	486.6	497.2	509.0	507.3	497.3	488.0
25°	607.3	593.6	600.2	601.2	586.8	593.6	607.1	606.6	592.6	580.1	623.1
22.5°	747.1	751.6	749.6	726.6	730.1	744.3	738.1	716.6	712.4	762.5	780.2
20°	955.0	952.1	929.3	929.1	933.3	916.2	886.5	905.6	954.8	969.4	955.3
17.5°	1233.3	1198.1	1199.1	1197.3	1168.1	1119.1	1181.7	1221.4	1223.7	1195.5	1145.9
15°	1545.4	1570.9	1555.8	1505.4	1499.4	1563.4	1584.9	1567.5	1518.2	1442.9	1357.1
12.5°	2060.6	2029.4	1955.6	2038.1	2077.6	2071.0	2025.2	1945.0	1838.0	1719.5	1594.5
10°	2660.6	2703.5	2741.6	2740.3	2696.5	2611.2	2478.8	2331.5	2173.9	2008.3	1838.0
7.5°	3630.4	3611.1	3558.2	3436.1	3275.2	3102.0	2915.9	2719.2	2512.5	2299.4	2084.0
5°	4561.2	4386.1	4202.6	4010.2	3802.7	3584.3	3350.1	3104.8	2849.0	2588.4	2326.7
2.5°	5232.4	5025.1	4805.0	4551.5	4248.3	3939.4	3619.2	3298.7	2977.5	2657.2	2350.8
0°	5514.7	5250.7	4958.0	4633.9	4301.5	3971.9	3640.9	3319.5	2998.1	2671.2	2362.1
-2.5°	5232.4	5025.1	4805.0	4551.5	4248.3	3939.4	3619.2	3298.7	2977.5	2657.2	2350.8
-5°	4561.2	4386.1	4202.6	4010.2	3802.7	3584.3	3350.1	3104.8	2849.0	2588.4	2326.7
-7.5°	3630.4	3611.1	3558.2	3436.1	3275.2	3102.0	2915.9	2719.2	2512.5	2299.4	2084.0
-10°	2660.6	2703.5	2741.6	2740.3	2696.5	2611.2	2478.8	2331.5	2173.9	2008.3	1838.0
-12.5°	2060.6	2029.4	1955.6	2038.1	2077.6	2071.0	2025.2	1945.0	1838.0	1719.5	1594.5
-15°	1545.4	1570.9	1555.8	1505.4	1499.4	1563.4	1584.9	1567.5	1518.2	1442.9	1357.1
-17.5°	1233.3	1198.1	1199.1	1197.3	1168.1	1119.1	1181.7	1221.4	1223.7	1195.5	1145.9
-20°	955.0	952.1	929.3	929.1	933.3	916.2	886.5	905.6	954.8	969.4	955.3



REPORT NUMBER: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-NAT-BK

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	747.1	751.6	749.6	726.6	730.1	744.3	738.1	716.6	712.4	762.5	780.2
-25°	607.3	593.6	600.2	601.2	586.8	593.6	607.1	606.6	592.6	580.1	623.1
-27.5°	495.7	490.8	486.7	497.4	496.1	486.6	497.2	509.0	507.3	497.3	488.0
-30°	409.6	414.6	413.4	414.0	421.0	418.9	412.7	426.3	434.3	432.4	423.8
-32.5°	345.6	352.5	354.8	352.6	357.8	363.2	362.3	355.3	370.1	376.8	375.1
-35°	302.5	302.7	307.6	309.0	307.3	316.1	318.0	316.0	316.9	327.8	331.6
-37.5°	267.7	265.8	270.6	273.6	273.6	276.1	281.5	282.8	280.1	286.8	293.2
-40°	240.4	239.6	240.8	244.7	246.2	245.0	251.3	254.0	254.4	251.9	259.6
-42.5°	218.7	218.8	217.7	221.2	223.1	223.7	225.4	229.5	230.9	229.9	231.5
-45°	200.5	201.0	200.0	200.7	203.1	204.3	203.5	207.6	209.9	210.0	208.1
-47.5°	185.2	185.6	184.4	182.7	185.6	186.8	187.0	188.3	190.9	191.6	191.4
-50°	172.5	172.2	171.0	168.9	170.2	171.7	171.8	170.4	173.4	175.2	175.2
-52.5°	160.8	160.2	159.1	157.1	156.5	157.8	157.6	156.3	157.5	159.2	159.1
-55°	150.8	149.2	147.8	146.1	144.2	144.7	144.3	143.1	142.2	143.8	144.3
-57.5°	139.7	137.8	136.7	134.9	132.3	132.1	131.8	130.4	128.3	129.9	130.3
-60°	129.7	127.5	126.0	124.2	121.8	120.5	119.7	118.4	116.6	116.7	117.0
-62.5°	119.5	117.4	115.7	113.5	110.8	108.5	107.9	106.9	105.2	104.2	104.3
-65°	108.4	106.3	104.3	102.1	99.7	97.4	96.9	95.7	93.9	92.1	92.2
-67.5°	96.2	94.1	92.4	90.6	88.7	86.5	85.4	84.2	82.6	80.7	80.6
-70°	83.4	81.6	80.0	78.6	76.9	75.1	73.9	72.8	71.4	69.7	69.1
-72.5°	71.0	69.7	68.5	67.2	65.7	64.0	62.8	61.9	60.5	58.8	57.8
-75°	58.6	57.7	56.6	55.6	54.5	53.4	52.4	51.4	50.2	48.7	47.7
-77.5°	46.0	45.5	44.9	44.4	43.8	43.0	42.2	41.3	40.1	38.8	37.7
-80°	34.4	34.4	34.2	33.8	33.1	32.2	31.2	30.5	29.7	28.8	28.1
-82.5°	23.9	24.0	23.9	23.3	22.7	22.1	21.5	21.1	20.6	20.0	19.3
-85°	13.3	13.3	13.2	13.2	13.1	13.1	12.9	12.8	12.6	12.4	12.2
-87.5°	5.2	5.1	5.0	5.2	5.3	5.5	5.6	5.7	5.7	5.8	5.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-NAT-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°	5.5	5.3	5.0	4.7	4.6	4.5	4.3	4.1	3.8	3.5	3.2
85°	11.8	11.3	10.7	10.0	9.5	8.9	8.5	8.1	7.6	7.0	6.4
82.5°	18.8	18.4	17.8	17.1	16.5	15.7	14.8	13.6	12.2	10.7	9.5
80°	27.7	27.1	26.1	25.0	23.9	22.6	21.4	20.0	18.2	16.3	14.0
77.5°	37.1	36.3	35.0	33.8	32.5	30.8	28.9	26.6	24.2	21.8	19.1
75°	47.1	46.1	44.8	43.1	41.3	39.1	36.8	34.2	31.1	27.5	24.2
72.5°	57.4	56.4	54.8	52.7	50.6	48.1	45.1	41.8	38.4	34.3	29.6
70°	68.5	67.2	65.4	63.4	60.6	57.1	53.6	50.0	45.6	41.1	35.8
67.5°	80.2	78.9	76.8	74.4	71.4	67.5	62.5	58.4	53.8	47.9	41.9
65°	91.7	90.4	88.6	86.0	82.6	78.2	72.9	67.5	62.0	55.6	48.1
62.5°	103.5	101.9	100.1	97.8	94.1	89.2	83.5	77.9	70.7	63.5	55.0
60°	116.0	114.1	112.1	109.7	105.8	100.4	94.6	88.3	80.5	71.3	62.2
57.5°	129.3	126.8	125.4	122.3	117.8	111.8	106.2	99.4	90.5	80.2	69.5
55°	143.2	141.2	139.6	136.1	130.6	123.8	118.6	111.1	100.7	89.4	76.9
52.5°	157.7	156.9	155.2	150.7	144.4	137.3	132.5	123.1	112.0	98.6	85.2
50°	173.1	173.8	171.7	166.7	158.9	153.9	147.2	137.0	123.5	108.2	93.7
47.5°	192.0	192.3	189.4	183.5	174.8	172.1	164.3	151.7	135.2	118.9	102.2
45°	212.4	212.6	208.5	201.4	196.0	192.9	183.0	167.0	149.2	130.0	110.8
42.5°	235.0	234.6	229.3	220.1	221.5	215.9	203.0	185.0	163.7	141.4	120.1
40°	261.7	258.5	251.5	249.3	250.4	240.7	225.5	204.3	178.6	153.6	130.1
37.5°	291.2	285.7	275.9	286.4	283.2	270.0	249.5	224.3	195.4	167.6	140.0
35°	326.9	316.0	323.3	329.7	321.4	301.8	274.7	245.6	214.5	181.9	149.9
32.5°	366.3	366.8	381.5	379.2	363.3	335.9	303.2	270.1	233.9	196.3	159.7
30°	421.4	445.3	447.9	434.1	409.6	375.1	335.7	296.0	253.6	210.9	170.0
27.5°	523.3	533.6	522.8	497.4	461.4	417.3	371.7	323.0	273.6	226.2	181.8
25°	640.0	633.9	607.9	567.2	516.7	466.1	409.3	351.1	295.4	242.6	193.5
22.5°	772.6	744.9	699.5	642.0	581.2	517.2	449.8	382.8	318.3	258.9	205.0
20°	917.1	864.8	799.0	729.6	651.9	573.1	492.9	414.9	341.3	274.8	216.1
17.5°	1073.3	1001.6	917.6	824.3	726.7	630.5	536.6	447.1	364.3	290.3	226.9
15°	1260.3	1156.1	1042.6	922.5	803.1	688.8	580.5	479.0	386.9	305.3	235.3
12.5°	1458.4	1316.0	1171.4	1022.9	880.2	747.2	624.0	510.4	409.0	315.8	240.6
10°	1661.0	1478.9	1302.2	1123.8	956.9	804.9	666.7	534.9	420.0	322.3	244.9
7.5°	1864.8	1642.2	1432.6	1223.8	1023.6	841.8	683.2	545.0	427.8	327.7	248.3
5°	2033.4	1750.9	1495.2	1253.9	1040.8	854.7	693.0	552.7	433.9	331.9	250.8
2.5°	2054.5	1771.8	1510.1	1267.6	1053.0	863.7	699.6	558.0	438.1	334.8	252.3
0°	2063.9	1783.5	1516.8	1274.7	1060.0	868.5	703.0	560.8	440.4	336.5	253.0
-2.5°	2054.5	1771.8	1510.1	1267.6	1053.0	863.7	699.6	558.0	438.1	334.8	252.3
-5°	2033.4	1750.9	1495.2	1253.9	1040.8	854.7	693.0	552.7	433.9	331.9	250.8
-7.5°	1864.8	1642.2	1432.6	1223.8	1023.6	841.8	683.2	545.0	427.8	327.7	248.3
-10°	1661.0	1478.9	1302.2	1123.8	956.9	804.9	666.7	534.9	420.0	322.3	244.9
-12.5°	1458.4	1316.0	1171.4	1022.9	880.2	747.2	624.0	510.4	409.0	315.8	240.6
-15°	1260.3	1156.1	1042.6	922.5	803.1	688.8	580.5	479.0	386.9	305.3	235.3
-17.5°	1073.3	1001.6	917.6	824.3	726.7	630.5	536.6	447.1	364.3	290.3	226.9
-20°	917.1	864.8	799.0	729.6	651.9	573.1	492.9	414.9	341.3	274.8	216.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	772.6	744.9	699.5	642.0	581.2	517.2	449.8	382.8	318.3	258.9	205.0
-25°	640.0	633.9	607.9	567.2	516.7	466.1	409.3	351.1	295.4	242.6	193.5
-27.5°	523.3	533.6	522.8	497.4	461.4	417.3	371.7	323.0	273.6	226.2	181.8
-30°	421.4	445.3	447.9	434.1	409.6	375.1	335.7	296.0	253.6	210.9	170.0
-32.5°	366.3	366.8	381.5	379.2	363.3	335.9	303.2	270.1	233.9	196.3	159.7
-35°	326.9	316.0	323.3	329.7	321.4	301.8	274.7	245.6	214.5	181.9	149.9
-37.5°	291.2	285.7	275.9	286.4	283.2	270.0	249.5	224.3	195.4	167.6	140.0
-40°	261.7	258.5	251.5	249.3	250.4	240.7	225.5	204.3	178.6	153.6	130.1
-42.5°	235.0	234.6	229.3	220.1	221.5	215.9	203.0	185.0	163.7	141.4	120.1
-45°	212.4	212.6	208.5	201.4	196.0	192.9	183.0	167.0	149.2	130.0	110.8
-47.5°	192.0	192.3	189.4	183.5	174.8	172.1	164.3	151.7	135.2	118.9	102.2
-50°	173.1	173.8	171.7	166.7	158.9	153.9	147.2	137.0	123.5	108.2	93.7
-52.5°	157.7	156.9	155.2	150.7	144.4	137.3	132.5	123.1	112.0	98.6	85.2
-55°	143.2	141.2	139.6	136.1	130.6	123.8	118.6	111.1	100.7	89.4	76.9
-57.5°	129.3	126.8	125.4	122.3	117.8	111.8	106.2	99.4	90.5	80.2	69.5
-60°	116.0	114.1	112.1	109.7	105.8	100.4	94.6	88.3	80.5	71.3	62.2
-62.5°	103.5	101.9	100.1	97.8	94.1	89.2	83.5	77.9	70.7	63.5	55.0
-65°	91.7	90.4	88.6	86.0	82.6	78.2	72.9	67.5	62.0	55.6	48.1
-67.5°	80.2	78.9	76.8	74.4	71.4	67.5	62.5	58.4	53.8	47.9	41.9
-70°	68.5	67.2	65.4	63.4	60.6	57.1	53.6	50.0	45.6	41.1	35.8
-72.5°	57.4	56.4	54.8	52.7	50.6	48.1	45.1	41.8	38.4	34.3	29.6
-75°	47.1	46.1	44.8	43.1	41.3	39.1	36.8	34.2	31.1	27.5	24.2
-77.5°	37.1	36.3	35.0	33.8	32.5	30.8	28.9	26.6	24.2	21.8	19.1
-80°	27.7	27.1	26.1	25.0	23.9	22.6	21.4	20.0	18.2	16.3	14.0
-82.5°	18.8	18.4	17.8	17.1	16.5	15.7	14.8	13.6	12.2	10.7	9.5
-85°	11.8	11.3	10.7	10.0	9.5	8.9	8.5	8.1	7.6	7.0	6.4
-87.5°	5.5	5.3	5.0	4.7	4.6	4.5	4.3	4.1	3.8	3.5	3.2
-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	2.0	1.6	1.1	0.5	0.0
85°	5.6	4.9	4.0	3.1	2.1	1.1	0.0
82.5°	8.5	7.3	6.0	4.7	3.2	1.6	0.0
80°	11.5	9.7	8.0	6.2	4.3	2.1	0.0
77.5°	16.1	12.7	10.0	7.8	5.3	2.7	0.0
75°	20.7	16.8	12.3	9.3	6.4	3.2	0.0
72.5°	25.3	20.9	15.8	10.8	7.4	3.7	0.0
70°	30.0	25.0	19.2	12.5	8.4	4.2	0.0
67.5°	35.6	29.1	22.7	15.3	9.4	4.7	0.0
65°	41.2	33.6	26.1	18.0	10.4	5.2	0.0
62.5°	46.8	38.4	29.5	20.6	11.3	5.7	0.0
60°	52.4	43.3	32.9	23.3	12.3	6.1	0.0
57.5°	58.8	48.0	36.8	25.8	14.0	6.6	0.0
55°	65.3	52.8	40.7	28.4	15.7	7.1	0.0
52.5°	71.8	57.6	44.5	30.9	17.4	7.5	0.0
50°	78.3	63.1	48.3	33.4	19.0	7.9	0.0
47.5°	84.9	68.5	52.0	35.9	20.6	8.3	0.0
45°	92.2	73.8	55.6	38.6	22.1	8.7	0.0
42.5°	99.5	79.0	59.2	41.2	23.5	9.1	0.0
40°	106.8	84.2	62.9	43.7	24.9	9.4	0.0
37.5°	113.9	89.2	66.9	46.0	26.3	9.8	0.0
35°	120.9	94.6	70.7	48.1	27.5	10.1	0.0
32.5°	128.2	100.1	74.4	50.1	28.7	10.4	0.0
30°	136.1	105.5	77.9	52.0	29.8	10.7	0.0
27.5°	143.8	110.7	80.7	53.7	30.9	10.9	0.0
25°	151.3	115.7	83.3	55.3	31.8	11.1	0.0
22.5°	158.6	120.1	85.6	56.8	32.7	11.4	0.0
20°	165.5	123.4	87.7	58.0	33.5	11.6	0.0
17.5°	170.8	126.3	89.6	59.2	34.3	11.7	0.0
15°	174.8	128.9	91.2	60.2	34.9	11.9	0.0
12.5°	178.3	131.2	92.6	61.0	35.5	12.0	0.0
10°	181.3	133.1	93.7	61.7	35.9	12.1	0.0
7.5°	183.7	134.6	94.6	62.2	36.3	12.2	0.0
5°	185.5	135.7	95.2	62.6	36.6	12.3	0.0
2.5°	186.7	136.4	95.6	62.8	36.8	12.3	0.0
0°	187.4	136.8	95.7	62.9	36.9	12.3	0.0
-2.5°	186.7	136.4	95.6	62.8	36.8	12.3	0.0
-5°	185.5	135.7	95.2	62.6	36.6	12.3	0.0
-7.5°	183.7	134.6	94.6	62.2	36.3	12.2	0.0
-10°	181.3	133.1	93.7	61.7	35.9	12.1	0.0
-12.5°	178.3	131.2	92.6	61.0	35.5	12.0	0.0
-15°	174.8	128.9	91.2	60.2	34.9	11.9	0.0
-17.5°	170.8	126.3	89.6	59.2	34.3	11.7	0.0
-20°	165.5	123.4	87.7	58.0	33.5	11.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	158.6	120.1	85.6	56.8	32.7	11.4	0.0
-25°	151.3	115.7	83.3	55.3	31.8	11.1	0.0
-27.5°	143.8	110.7	80.7	53.7	30.9	10.9	0.0
-30°	136.1	105.5	77.9	52.0	29.8	10.7	0.0
-32.5°	128.2	100.1	74.4	50.1	28.7	10.4	0.0
-35°	120.9	94.6	70.7	48.1	27.5	10.1	0.0
-37.5°	113.9	89.2	66.9	46.0	26.3	9.8	0.0
-40°	106.8	84.2	62.9	43.7	24.9	9.4	0.0
-42.5°	99.5	79.0	59.2	41.2	23.5	9.1	0.0
-45°	92.2	73.8	55.6	38.6	22.1	8.7	0.0
-47.5°	84.9	68.5	52.0	35.9	20.6	8.3	0.0
-50°	78.3	63.1	48.3	33.4	19.0	7.9	0.0
-52.5°	71.8	57.6	44.5	30.9	17.4	7.5	0.0
-55°	65.3	52.8	40.7	28.4	15.7	7.1	0.0
-57.5°	58.8	48.0	36.8	25.8	14.0	6.6	0.0
-60°	52.4	43.3	32.9	23.3	12.3	6.1	0.0
-62.5°	46.8	38.4	29.5	20.6	11.3	5.7	0.0
-65°	41.2	33.6	26.1	18.0	10.4	5.2	0.0
-67.5°	35.6	29.1	22.7	15.3	9.4	4.7	0.0
-70°	30.0	25.0	19.2	12.5	8.4	4.2	0.0
-72.5°	25.3	20.9	15.8	10.8	7.4	3.7	0.0
-75°	20.7	16.8	12.3	9.3	6.4	3.2	0.0
-77.5°	16.1	12.7	10.0	7.8	5.3	2.7	0.0
-80°	11.5	9.7	8.0	6.2	4.3	2.1	0.0
-82.5°	8.5	7.3	6.0	4.7	3.2	1.6	0.0
-85°	5.6	4.9	4.0	3.1	2.1	1.1	0.0
-87.5°	2.8	2.4	2.0	1.6	1.1	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)