

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: P561382 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-08
Report Number: P561382 (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-SA3B-AMB-U-NAT-BK
Description: GALLEON FLOOD, ONE LIGHT SQAURE, NARROW ASYMMETRICAL RECTANGULAR 6x4
Light Source: (48) 1549K CCT, -21.5 CRI LEDS
Ballast/Driver: -

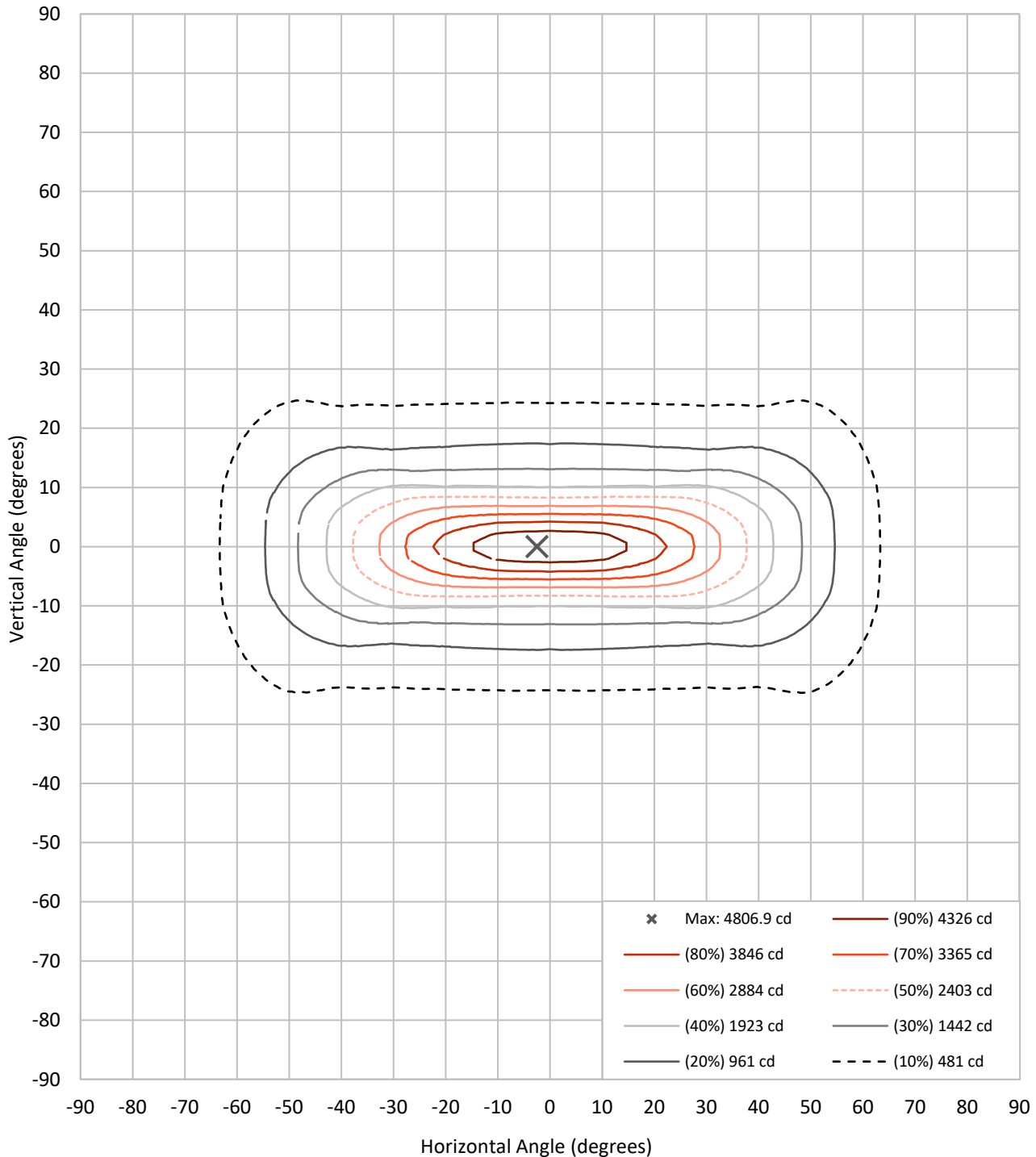
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	3015.9 lumens	Max Intensity:	4806.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	50.3 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:	1063.8 lumens	Field Lumens:	2429.5 lumens
Beam Efficiency:	35.3%	Field Efficiency:	80.6%
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





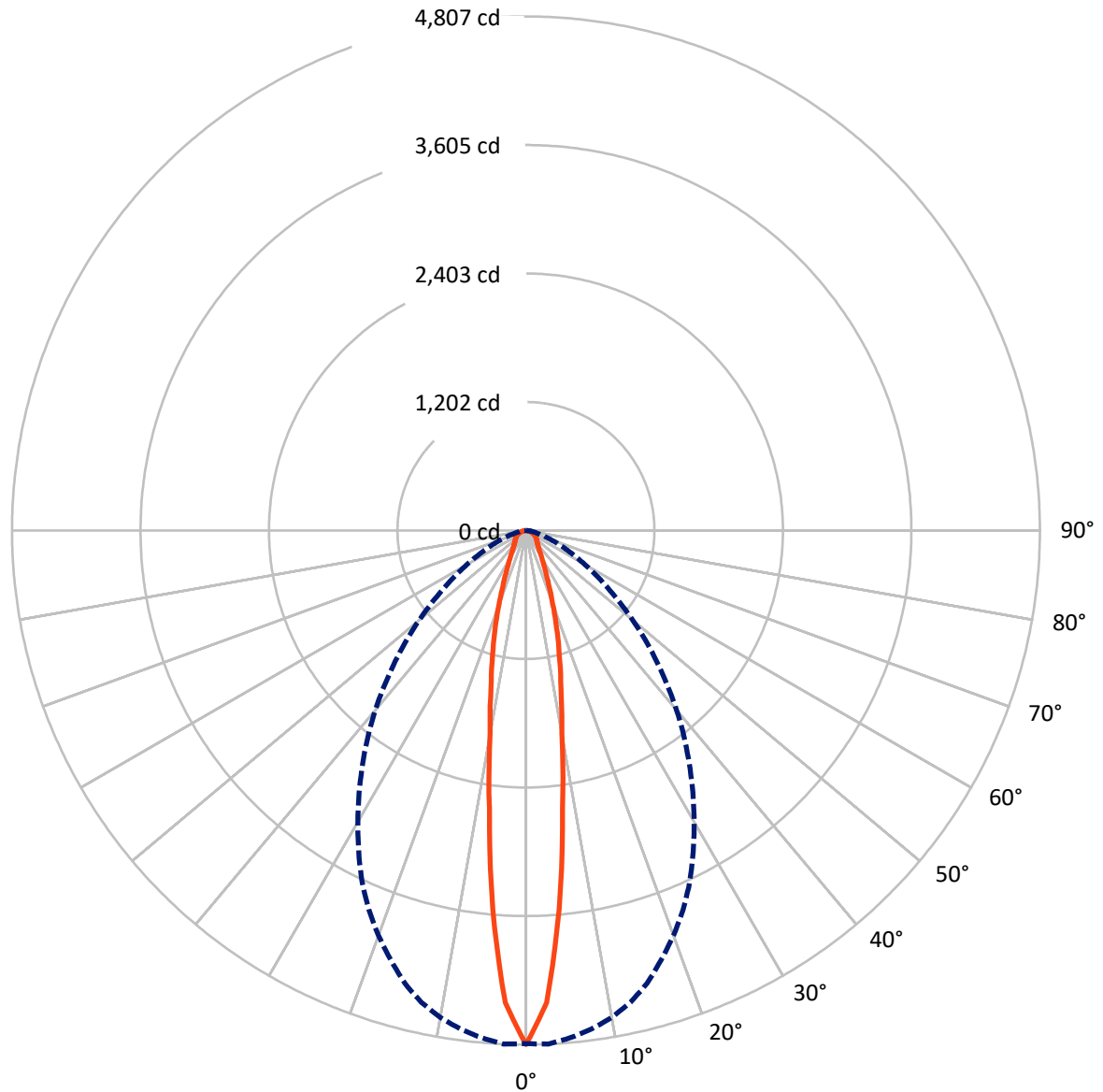
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Lumen Table

90	0.2	1.1	2.2	3.0	3.4	3.0	2.2	1.1	0.2							
80	0.2	1.1	2.2	3.0	3.4	3.0	2.2	1.1	0.2							
70	0.7	0.6	1.1	1.5	1.8	2.1	2.4	2.5	2.5	2.4	2.1	1.8	1.5	1.1	0.6	0.7
60		1.0	1.7	2.3	2.6	3.0	3.3	3.5	3.5	3.3	3.0	2.6	2.3	1.7	1.0	
50	1.4	1.6	2.6	3.3	3.8	4.1	4.4	4.5	4.5	4.4	4.1	3.8	3.3	2.6	1.6	1.4
40		2.3	4.2	5.2	5.9	6.3	6.6	6.8	6.8	6.6	6.3	5.9	5.2	4.2	2.3	
30	2.3	3.4	7.3	10.1	11.4	12.6	13.7	14.3	14.3	13.7	12.6	11.4	10.1	7.3	3.4	2.3
20		4.7	11.9	21.5	29.3	33.2	36.2	37.8	37.8	36.2	33.2	29.3	21.5	11.9	4.7	
10	2.6	5.5	16.2	35.0	59.0	82.3	98.2	105.5	105.5	98.2	82.3	59.0	35.0	16.2	5.5	2.6
0		5.5	16.2	35.0	59.0	82.3	98.2	105.5	105.5	98.2	82.3	59.0	35.0	16.2	5.5	
-10	2.3	4.7	11.9	21.5	29.3	33.2	36.2	37.8	37.8	36.2	33.2	29.3	21.5	11.9	4.7	2.3
-20		3.4	7.3	10.1	11.4	12.6	13.7	14.3	14.3	13.7	12.6	11.4	10.1	7.3	3.4	
-30	1.4	2.3	4.2	5.2	5.9	6.3	6.6	6.8	6.8	6.6	6.3	5.9	5.2	4.2	2.3	1.4
-40		1.6	2.6	3.3	3.8	4.1	4.4	4.5	4.5	4.4	4.1	3.8	3.3	2.6	1.6	
-50	0.7	1.0	1.7	2.3	2.6	3.0	3.3	3.5	3.5	3.3	3.0	2.6	2.3	1.7	1.0	0.7
-60		0.6	1.1	1.5	1.8	2.1	2.4	2.5	2.5	2.4	2.1	1.8	1.5	1.1	0.6	
-70	0.2	1.1	2.2	3.0	3.4	3.0	2.2	1.1	0.2							
-80		0.2	1.1	2.2	3.0	3.4	3.0	2.2	1.1	0.2						
-90	0.2	1.1	2.2	3.0	3.4	3.0	2.2	1.1	0.2							

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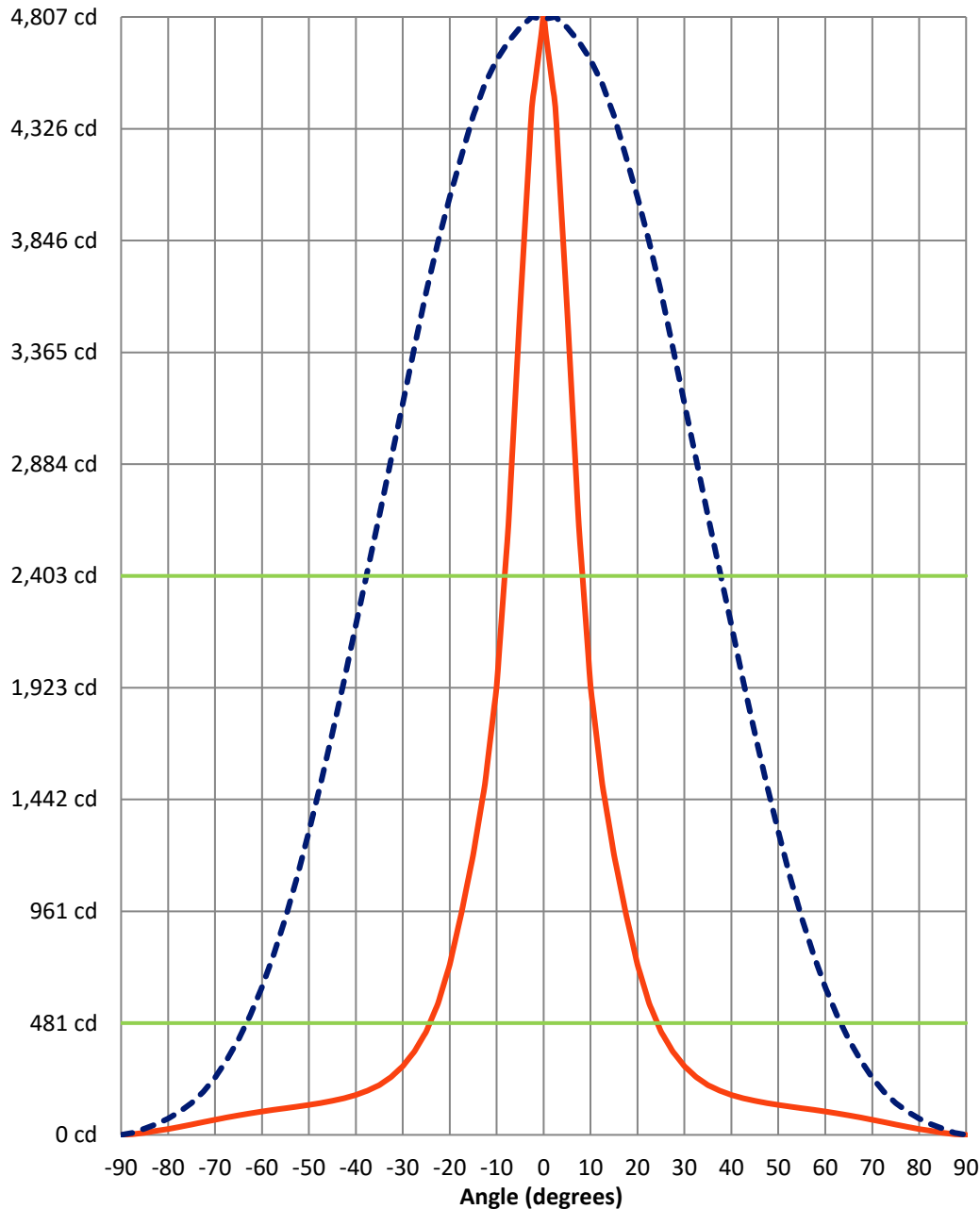
Luminous Intensity Polar Plot



— 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: 1063.8
 Efficiency: 35.3%

Field:
 H Angle: 126.6°
 V Angle: 48.5°
 Lumens: 2429.5
 Efficiency: 80.6%

Spill:
 Lumens: 586.4
 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	0.4	0.8	1.1	1.5	1.8	2.1	2.3	2.6	2.8	3.0
85°	0.0	0.8	1.6	2.3	2.9	3.6	4.1	4.7	5.1	5.5	5.9
82.5°	0.0	1.2	2.3	3.4	4.4	5.3	6.2	7.0	7.8	8.9	9.9
80°	0.0	1.6	3.1	4.6	5.9	7.1	8.4	10.3	11.9	13.3	14.6
77.5°	0.0	1.9	3.9	5.7	7.3	9.3	11.8	14.0	16.0	17.7	19.5
75°	0.0	2.3	4.7	6.8	9.0	12.3	15.1	17.7	20.2	22.8	25.0
72.5°	0.0	2.7	5.4	7.9	11.5	15.3	18.5	21.6	25.1	28.1	30.6
70°	0.0	3.1	6.1	9.2	14.1	18.3	21.9	26.2	30.0	33.4	36.6
67.5°	0.0	3.4	6.9	11.2	16.6	21.3	26.0	30.7	35.0	39.3	42.7
65°	0.0	3.8	7.6	13.1	19.1	24.6	30.1	35.2	40.7	45.4	49.4
62.5°	0.0	4.2	8.3	15.1	21.6	28.1	34.2	40.2	46.4	51.7	56.9
60°	0.0	4.5	9.0	17.0	24.0	31.6	38.3	45.5	52.2	58.9	64.6
57.5°	0.0	4.8	10.3	18.9	26.9	35.1	43.0	50.8	58.7	66.1	72.7
55°	0.0	5.2	11.5	20.7	29.8	38.6	47.8	56.2	65.4	73.6	81.2
52.5°	0.0	5.5	12.7	22.6	32.6	42.1	52.5	62.3	72.1	81.9	90.0
50°	0.0	5.8	13.9	24.4	35.3	46.1	57.3	68.5	79.1	90.3	100.1
47.5°	0.0	6.1	15.0	26.2	38.0	50.1	62.0	74.7	86.9	98.9	110.9
45°	0.0	6.4	16.1	28.2	40.7	54.0	67.4	81.0	95.1	109.1	122.1
42.5°	0.0	6.6	17.2	30.1	43.3	57.8	72.8	87.8	103.4	119.7	135.3
40°	0.0	6.9	18.2	31.9	46.0	61.6	78.1	95.1	112.3	130.6	149.3
37.5°	0.0	7.1	19.2	33.6	48.9	65.2	83.3	102.4	122.6	142.9	164.0
35°	0.0	7.4	20.1	35.2	51.7	69.2	88.4	109.6	133.0	156.8	179.6
32.5°	0.0	7.6	21.0	36.7	54.4	73.2	93.7	116.8	143.5	171.0	197.5
30°	0.0	7.8	21.8	38.0	57.0	77.2	99.5	124.3	154.2	185.4	216.4
27.5°	0.0	8.0	22.6	39.3	59.1	81.0	105.2	133.0	165.4	200.0	236.1
25°	0.0	8.2	23.3	40.5	60.9	84.6	110.7	141.5	177.4	215.9	256.7
22.5°	0.0	8.3	23.9	41.5	62.6	87.8	116.0	149.9	189.2	232.7	279.9
20°	0.0	8.5	24.5	42.5	64.2	90.2	121.1	158.0	200.9	249.5	303.3
17.5°	0.0	8.6	25.1	43.3	65.5	92.4	124.9	165.9	212.2	266.3	326.9
15°	0.0	8.7	25.5	44.0	66.7	94.3	127.8	172.0	223.2	282.9	350.2
12.5°	0.0	8.8	25.9	44.6	67.7	95.9	130.4	175.9	230.9	299.0	373.2
10°	0.0	8.9	26.3	45.1	68.5	97.3	132.5	179.0	235.7	307.1	391.1
7.5°	0.0	8.9	26.6	45.5	69.2	98.4	134.3	181.5	239.6	312.8	398.5
5°	0.0	9.0	26.8	45.8	69.6	99.2	135.6	183.4	242.6	317.2	404.1
2.5°	0.0	9.0	26.9	45.9	69.9	99.7	136.5	184.5	244.8	320.3	407.9
0°	0.0	9.0	27.0	46.0	70.0	100.0	137.0	185.0	246.0	322.0	410.0
-2.5°	0.0	9.0	26.9	45.9	69.9	99.7	136.5	184.5	244.8	320.3	407.9
-5°	0.0	9.0	26.8	45.8	69.6	99.2	135.6	183.4	242.6	317.2	404.1
-7.5°	0.0	8.9	26.6	45.5	69.2	98.4	134.3	181.5	239.6	312.8	398.5
-10°	0.0	8.9	26.3	45.1	68.5	97.3	132.5	179.0	235.7	307.1	391.1
-12.5°	0.0	8.8	25.9	44.6	67.7	95.9	130.4	175.9	230.9	299.0	373.2
-15°	0.0	8.7	25.5	44.0	66.7	94.3	127.8	172.0	223.2	282.9	350.2
-17.5°	0.0	8.6	25.1	43.3	65.5	92.4	124.9	165.9	212.2	266.3	326.9
-20°	0.0	8.5	24.5	42.5	64.2	90.2	121.1	158.0	200.9	249.5	303.3



REPORT NUMBER: P561382 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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	8.3	23.9	41.5	62.6	87.8	116.0	149.9	189.2	232.7	279.9
-25°	0.0	8.2	23.3	40.5	60.9	84.6	110.7	141.5	177.4	215.9	256.7
-27.5°	0.0	8.0	22.6	39.3	59.1	81.0	105.2	133.0	165.4	200.0	236.1
-30°	0.0	7.8	21.8	38.0	57.0	77.2	99.5	124.3	154.2	185.4	216.4
-32.5°	0.0	7.6	21.0	36.7	54.4	73.2	93.7	116.8	143.5	171.0	197.5
-35°	0.0	7.4	20.1	35.2	51.7	69.2	88.4	109.6	133.0	156.8	179.6
-37.5°	0.0	7.1	19.2	33.6	48.9	65.2	83.3	102.4	122.6	142.9	164.0
-40°	0.0	6.9	18.2	31.9	46.0	61.6	78.1	95.1	112.3	130.6	149.3
-42.5°	0.0	6.6	17.2	30.1	43.3	57.8	72.8	87.8	103.4	119.7	135.3
-45°	0.0	6.4	16.1	28.2	40.7	54.0	67.4	81.0	95.1	109.1	122.1
-47.5°	0.0	6.1	15.0	26.2	38.0	50.1	62.0	74.7	86.9	98.9	110.9
-50°	0.0	5.8	13.9	24.4	35.3	46.1	57.3	68.5	79.1	90.3	100.1
-52.5°	0.0	5.5	12.7	22.6	32.6	42.1	52.5	62.3	72.1	81.9	90.0
-55°	0.0	5.2	11.5	20.7	29.8	38.6	47.8	56.2	65.4	73.6	81.2
-57.5°	0.0	4.8	10.3	18.9	26.9	35.1	43.0	50.8	58.7	66.1	72.7
-60°	0.0	4.5	9.0	17.0	24.0	31.6	38.3	45.5	52.2	58.9	64.6
-62.5°	0.0	4.2	8.3	15.1	21.6	28.1	34.2	40.2	46.4	51.7	56.9
-65°	0.0	3.8	7.6	13.1	19.1	24.6	30.1	35.2	40.7	45.4	49.4
-67.5°	0.0	3.4	6.9	11.2	16.6	21.3	26.0	30.7	35.0	39.3	42.7
-70°	0.0	3.1	6.1	9.2	14.1	18.3	21.9	26.2	30.0	33.4	36.6
-72.5°	0.0	2.7	5.4	7.9	11.5	15.3	18.5	21.6	25.1	28.1	30.6
-75°	0.0	2.3	4.7	6.8	9.0	12.3	15.1	17.7	20.2	22.8	25.0
-77.5°	0.0	1.9	3.9	5.7	7.3	9.3	11.8	14.0	16.0	17.7	19.5
-80°	0.0	1.6	3.1	4.6	5.9	7.1	8.4	10.3	11.9	13.3	14.6
-82.5°	0.0	1.2	2.3	3.4	4.4	5.3	6.2	7.0	7.8	8.9	9.9
-85°	0.0	0.8	1.6	2.3	2.9	3.6	4.1	4.7	5.1	5.5	5.9
-87.5°	0.0	0.4	0.8	1.1	1.5	1.8	2.1	2.3	2.6	2.8	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: P561382 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	3.1	3.3	3.4	3.4	3.7	3.9	4.1	4.2	4.2	4.2	4.2
85°	6.2	6.5	7.0	7.3	7.8	8.3	8.6	8.9	9.1	9.2	9.4
82.5°	10.8	11.5	12.1	12.5	13.0	13.4	13.8	14.1	14.6	15.0	15.4
80°	15.7	16.5	17.5	18.3	19.1	19.8	20.2	20.6	21.1	21.7	22.3
77.5°	21.1	22.6	23.7	24.7	25.6	26.5	27.1	27.6	28.4	29.3	30.2
75°	26.9	28.6	30.2	31.5	32.7	33.7	34.4	34.8	35.6	36.7	37.6
72.5°	32.9	35.2	37.0	38.6	40.1	41.2	42.0	42.3	43.0	44.3	45.2
70°	39.2	41.7	44.3	46.3	47.8	49.1	50.1	50.5	50.9	52.2	53.2
67.5°	45.7	49.4	52.2	54.4	56.1	57.7	58.6	58.9	59.0	60.4	61.6
65°	53.3	57.2	60.4	62.9	64.7	66.1	67.0	67.4	67.3	68.7	70.0
62.5°	61.0	65.2	68.8	71.5	73.2	74.5	75.7	76.3	76.1	76.9	78.2
60°	69.2	73.4	77.3	80.2	82.0	83.4	84.8	85.5	85.3	85.3	86.6
57.5°	77.6	81.7	86.1	89.4	91.7	92.7	94.6	95.3	95.0	93.8	95.3
55°	86.7	90.5	95.5	99.5	102.1	103.3	104.7	105.5	105.1	104.0	104.6
52.5°	96.8	100.4	105.6	110.2	113.5	114.8	115.3	116.3	116.4	115.1	114.3
50°	107.6	112.5	116.2	121.9	125.6	127.1	126.5	128.1	128.1	126.8	124.6
47.5°	120.1	125.8	127.8	134.2	138.5	140.6	140.4	140.0	140.1	139.6	137.6
45°	133.8	141.1	143.3	147.2	152.4	155.5	155.3	152.2	153.6	153.5	151.8
42.5°	148.4	157.8	162.0	160.9	167.6	171.5	171.8	169.3	168.1	168.8	167.8
40°	164.9	176.0	183.1	182.2	183.9	189.0	191.3	189.8	184.1	186.0	185.7
37.5°	182.4	197.4	207.1	209.4	201.7	208.9	212.9	214.4	209.7	204.8	206.8
35°	200.8	220.6	234.9	241.0	236.4	231.0	239.0	242.4	239.7	231.7	231.0
32.5°	221.6	245.6	265.6	277.2	278.9	268.1	267.8	274.2	275.5	270.6	259.8
30°	245.4	274.3	299.4	317.4	327.5	325.5	308.1	309.9	316.1	317.5	311.7
27.5°	271.8	305.1	337.3	363.7	382.2	390.1	382.6	356.8	363.6	370.9	372.2
25°	299.3	340.7	377.7	414.7	444.4	463.4	467.9	455.5	424.1	433.3	443.5
22.5°	328.9	378.1	425.0	469.4	511.5	544.6	564.9	570.4	557.5	520.9	523.9
20°	360.4	419.0	476.6	533.4	584.2	632.3	670.5	698.5	708.7	698.1	662.1
17.5°	392.3	461.0	531.3	602.7	670.9	732.3	784.7	837.8	874.1	894.7	893.0
15°	424.4	503.6	587.2	674.5	762.3	845.3	921.4	992.2	1054.9	1110.0	1146.0
12.5°	456.2	546.3	643.6	747.9	856.5	962.2	1066.3	1165.8	1257.2	1343.9	1422.1
10°	487.4	588.5	699.6	821.7	952.1	1081.2	1214.4	1343.9	1468.4	1589.4	1704.7
7.5°	499.5	615.5	748.4	894.7	1047.4	1200.7	1363.4	1523.7	1681.2	1836.9	1988.1
5°	506.7	624.9	761.0	916.7	1093.2	1280.1	1486.7	1701.1	1892.4	2083.0	2269.9
2.5°	511.5	631.5	769.9	926.8	1104.1	1295.5	1502.1	1718.8	1942.7	2176.9	2411.7
0°	514.0	635.0	775.0	932.0	1109.0	1304.0	1509.0	1727.0	1953.0	2191.9	2426.9
-2.5°	511.5	631.5	769.9	926.8	1104.1	1295.5	1502.1	1718.8	1942.7	2176.9	2411.7
-5°	506.7	624.9	761.0	916.7	1093.2	1280.1	1486.7	1701.1	1892.4	2083.0	2269.9
-7.5°	499.5	615.5	748.4	894.7	1047.4	1200.7	1363.4	1523.7	1681.2	1836.9	1988.1
-10°	487.4	588.5	699.6	821.7	952.1	1081.2	1214.4	1343.9	1468.4	1589.4	1704.7
-12.5°	456.2	546.3	643.6	747.9	856.5	962.2	1066.3	1165.8	1257.2	1343.9	1422.1
-15°	424.4	503.6	587.2	674.5	762.3	845.3	921.4	992.2	1054.9	1110.0	1146.0
-17.5°	392.3	461.0	531.3	602.7	670.9	732.3	784.7	837.8	874.1	894.7	893.0
-20°	360.4	419.0	476.6	533.4	584.2	632.3	670.5	698.5	708.7	698.1	662.1



REPORT NUMBER: P561382 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	328.9	378.1	425.0	469.4	511.5	544.6	564.9	570.4	557.5	520.9	523.9
-25°	299.3	340.7	377.7	414.7	444.4	463.4	467.9	455.5	424.1	433.3	443.5
-27.5°	271.8	305.1	337.3	363.7	382.2	390.1	382.6	356.8	363.6	370.9	372.2
-30°	245.4	274.3	299.4	317.4	327.5	325.5	308.1	309.9	316.1	317.5	311.7
-32.5°	221.6	245.6	265.6	277.2	278.9	268.1	267.8	274.2	275.5	270.6	259.8
-35°	200.8	220.6	234.9	241.0	236.4	231.0	239.0	242.4	239.7	231.7	231.0
-37.5°	182.4	197.4	207.1	209.4	201.7	208.9	212.9	214.4	209.7	204.8	206.8
-40°	164.9	176.0	183.1	182.2	183.9	189.0	191.3	189.8	184.1	186.0	185.7
-42.5°	148.4	157.8	162.0	160.9	167.6	171.5	171.8	169.3	168.1	168.8	167.8
-45°	133.8	141.1	143.3	147.2	152.4	155.5	155.3	152.2	153.6	153.5	151.8
-47.5°	120.1	125.8	127.8	134.2	138.5	140.6	140.4	140.0	140.1	139.6	137.6
-50°	107.6	112.5	116.2	121.9	125.6	127.1	126.5	128.1	128.1	126.8	124.6
-52.5°	96.8	100.4	105.6	110.2	113.5	114.8	115.3	116.3	116.4	115.1	114.3
-55°	86.7	90.5	95.5	99.5	102.1	103.3	104.7	105.5	105.1	104.0	104.6
-57.5°	77.6	81.7	86.1	89.4	91.7	92.7	94.6	95.3	95.0	93.8	95.3
-60°	69.2	73.4	77.3	80.2	82.0	83.4	84.8	85.5	85.3	85.3	86.6
-62.5°	61.0	65.2	68.8	71.5	73.2	74.5	75.7	76.3	76.1	76.9	78.2
-65°	53.3	57.2	60.4	62.9	64.7	66.1	67.0	67.4	67.3	68.7	70.0
-67.5°	45.7	49.4	52.2	54.4	56.1	57.7	58.6	58.9	59.0	60.4	61.6
-70°	39.2	41.7	44.3	46.3	47.8	49.1	50.1	50.5	50.9	52.2	53.2
-72.5°	32.9	35.2	37.0	38.6	40.1	41.2	42.0	42.3	43.0	44.3	45.2
-75°	26.9	28.6	30.2	31.5	32.7	33.7	34.4	34.8	35.6	36.7	37.6
-77.5°	21.1	22.6	23.7	24.7	25.6	26.5	27.1	27.6	28.4	29.3	30.2
-80°	15.7	16.5	17.5	18.3	19.1	19.8	20.2	20.6	21.1	21.7	22.3
-82.5°	10.8	11.5	12.1	12.5	13.0	13.4	13.8	14.1	14.6	15.0	15.4
-85°	6.2	6.5	7.0	7.3	7.8	8.3	8.6	8.9	9.1	9.2	9.4
-87.5°	3.1	3.3	3.4	3.4	3.7	3.9	4.1	4.2	4.2	4.2	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: P561382 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	4.1	4.0	3.9	3.8	3.6	3.7	3.8	3.8	3.9	3.7	3.4
85°	9.5	9.6	9.6	9.7	9.7	9.7	9.7	9.7	9.6	9.5	9.3
82.5°	15.7	16.1	16.6	17.0	17.5	17.5	17.5	17.4	17.2	17.4	17.6
80°	22.8	23.5	24.2	24.7	25.0	25.1	25.1	25.1	24.9	25.0	25.1
77.5°	30.9	31.5	32.0	32.5	32.8	33.2	33.7	34.0	34.3	34.6	34.8
75°	38.3	39.1	39.9	40.7	41.4	42.2	42.9	43.5	44.0	44.3	44.6
72.5°	45.9	46.7	48.0	49.1	50.1	51.0	51.9	52.8	53.6	54.1	54.5
70°	54.0	54.9	56.3	57.4	58.5	59.7	61.0	62.2	63.2	63.9	64.3
67.5°	62.4	63.2	64.8	66.3	67.5	68.8	70.3	71.6	72.8	73.6	74.1
65°	70.9	71.3	72.9	74.6	76.3	77.7	79.2	80.6	81.7	82.6	83.1
62.5°	78.9	79.3	81.0	82.9	84.6	85.8	87.4	88.9	90.3	91.4	92.0
60°	87.5	88.1	89.1	90.8	92.1	93.2	94.9	96.4	97.8	98.8	99.5
57.5°	96.3	96.6	96.7	98.6	99.9	100.8	102.1	103.8	105.2	106.2	107.0
55°	105.5	105.8	105.4	106.8	108.1	109.1	110.3	111.6	112.7	113.4	114.0
52.5°	115.2	115.4	114.4	114.8	116.3	117.2	117.6	119.0	120.1	120.8	121.4
50°	125.6	125.5	124.4	123.5	125.0	125.9	126.1	127.3	128.1	128.3	128.6
47.5°	136.7	136.6	135.7	133.6	134.8	135.7	135.4	135.6	136.6	137.0	137.3
45°	148.7	149.3	148.5	146.7	146.2	147.0	146.6	146.0	147.2	147.4	147.1
42.5°	164.8	163.5	163.1	161.7	159.2	160.0	159.9	158.4	159.3	159.5	158.9
40°	183.7	179.1	180.0	178.9	176.1	175.2	175.8	174.2	174.1	174.8	173.9
37.5°	205.8	201.9	200.0	200.0	197.9	194.3	195.7	195.0	193.4	194.2	193.0
35°	232.5	231.1	224.7	225.9	224.9	221.3	221.2	221.3	217.2	218.8	217.9
32.5°	264.9	265.6	261.6	257.8	259.4	257.7	252.7	255.4	252.4	251.9	252.2
30°	301.7	306.3	307.8	302.7	302.3	303.2	299.5	300.4	300.4	297.5	299.6
27.5°	363.5	355.8	362.7	363.7	355.9	358.8	362.4	357.0	362.9	357.5	362.2
25°	443.9	434.0	429.0	439.6	438.8	434.0	444.0	441.3	444.9	444.2	445.7
22.5°	539.7	544.2	533.8	531.2	548.0	549.5	546.2	557.8	551.8	562.3	558.8
20°	648.1	669.9	682.4	679.3	679.5	696.1	698.3	708.0	713.8	719.4	722.8
17.5°	864.0	818.2	854.0	875.4	876.7	876.0	901.7	905.5	919.1	926.6	936.0
15°	1158.8	1143.1	1096.2	1100.6	1137.5	1148.6	1130.0	1163.1	1170.3	1187.3	1186.9
12.5°	1480.7	1514.2	1519.0	1490.1	1429.8	1483.8	1506.6	1475.5	1504.6	1494.0	1510.9
10°	1812.3	1909.1	1971.5	2003.5	2004.4	1976.6	1945.3	1987.4	1971.2	1976.1	1948.7
7.5°	2131.9	2268.0	2394.6	2512.1	2601.4	2640.2	2654.3	2649.3	2652.1	2667.6	2641.7
5°	2449.3	2620.6	2780.2	2931.9	3072.6	3206.8	3334.8	3440.3	3473.8	3505.6	3544.5
2.5°	2646.0	2880.2	3106.1	3327.7	3513.1	3673.9	3825.5	3963.2	4086.7	4211.6	4329.0
0°	2661.9	2903.9	3144.9	3387.9	3624.9	3838.9	4031.9	4208.9	4381.9	4518.9	4622.9
-2.5°	2646.0	2880.2	3106.1	3327.7	3513.1	3673.9	3825.5	3963.2	4086.7	4211.6	4329.0
-5°	2449.3	2620.6	2780.2	2931.9	3072.6	3206.8	3334.8	3440.3	3473.8	3505.6	3544.5
-7.5°	2131.9	2268.0	2394.6	2512.1	2601.4	2640.2	2654.3	2649.3	2652.1	2667.6	2641.7
-10°	1812.3	1909.1	1971.5	2003.5	2004.4	1976.6	1945.3	1987.4	1971.2	1976.1	1948.7
-12.5°	1480.7	1514.2	1519.0	1490.1	1429.8	1483.8	1506.6	1475.5	1504.6	1494.0	1510.9
-15°	1158.8	1143.1	1096.2	1100.6	1137.5	1148.6	1130.0	1163.1	1170.3	1187.3	1186.9
-17.5°	864.0	818.2	854.0	875.4	876.7	876.0	901.7	905.5	919.1	926.6	936.0
-20°	648.1	669.9	682.4	679.3	679.5	696.1	698.3	708.0	713.8	719.4	722.8



REPORT NUMBER: P561382 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	539.7	544.2	533.8	531.2	548.0	549.5	546.2	557.8	551.8	562.3	558.8
-25°	443.9	434.0	429.0	439.6	438.8	434.0	444.0	441.3	444.9	444.2	445.7
-27.5°	363.5	355.8	362.7	363.7	355.9	358.8	362.4	357.0	362.9	357.5	362.2
-30°	301.7	306.3	307.8	302.7	302.3	303.2	299.5	300.4	300.4	297.5	299.6
-32.5°	264.9	265.6	261.6	257.8	259.4	257.7	252.7	255.4	252.4	251.9	252.2
-35°	232.5	231.1	224.7	225.9	224.9	221.3	221.2	221.3	217.2	218.8	217.9
-37.5°	205.8	201.9	200.0	200.0	197.9	194.3	195.7	195.0	193.4	194.2	193.0
-40°	183.7	179.1	180.0	178.9	176.1	175.2	175.8	174.2	174.1	174.8	173.9
-42.5°	164.8	163.5	163.1	161.7	159.2	160.0	159.9	158.4	159.3	159.5	158.9
-45°	148.7	149.3	148.5	146.7	146.2	147.0	146.6	146.0	147.2	147.4	147.1
-47.5°	136.7	136.6	135.7	133.6	134.8	135.7	135.4	135.6	136.6	137.0	137.3
-50°	125.6	125.5	124.4	123.5	125.0	125.9	126.1	127.3	128.1	128.3	128.6
-52.5°	115.2	115.4	114.4	114.8	116.3	117.2	117.6	119.0	120.1	120.8	121.4
-55°	105.5	105.8	105.4	106.8	108.1	109.1	110.3	111.6	112.7	113.4	114.0
-57.5°	96.3	96.6	96.7	98.6	99.9	100.8	102.1	103.8	105.2	106.2	107.0
-60°	87.5	88.1	89.1	90.8	92.1	93.2	94.9	96.4	97.8	98.8	99.5
-62.5°	78.9	79.3	81.0	82.9	84.6	85.8	87.4	88.9	90.3	91.4	92.0
-65°	70.9	71.3	72.9	74.6	76.3	77.7	79.2	80.6	81.7	82.6	83.1
-67.5°	62.4	63.2	64.8	66.3	67.5	68.8	70.3	71.6	72.8	73.6	74.1
-70°	54.0	54.9	56.3	57.4	58.5	59.7	61.0	62.2	63.2	63.9	64.3
-72.5°	45.9	46.7	48.0	49.1	50.1	51.0	51.9	52.8	53.6	54.1	54.5
-75°	38.3	39.1	39.9	40.7	41.4	42.2	42.9	43.5	44.0	44.3	44.6
-77.5°	30.9	31.5	32.0	32.5	32.8	33.2	33.7	34.0	34.3	34.6	34.8
-80°	22.8	23.5	24.2	24.7	25.0	25.1	25.1	25.1	24.9	25.0	25.1
-82.5°	15.7	16.1	16.6	17.0	17.5	17.5	17.5	17.4	17.2	17.4	17.6
-85°	9.5	9.6	9.6	9.7	9.7	9.7	9.7	9.7	9.6	9.5	9.3
-87.5°	4.1	4.0	3.9	3.8	3.6	3.7	3.8	3.8	3.9	3.7	3.4
-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: P561382 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	3.2	3.0	3.0	3.0	3.0	3.0	3.2	3.4	3.7	3.9	3.8
85°	9.1	9.0	9.0	9.0	9.0	9.0	9.1	9.3	9.5	9.6	9.7
82.5°	17.8	17.9	17.5	17.0	17.5	17.9	17.8	17.6	17.4	17.2	17.4
80°	25.0	24.9	25.0	25.0	25.0	24.9	25.0	25.1	25.0	24.9	25.1
77.5°	34.8	34.8	34.5	34.0	34.5	34.8	34.8	34.8	34.6	34.3	34.0
75°	44.8	44.8	44.5	44.0	44.5	44.8	44.8	44.6	44.3	44.0	43.5
72.5°	54.7	54.7	54.9	55.0	54.9	54.7	54.7	54.5	54.1	53.6	52.8
70°	64.6	64.7	64.9	65.0	64.9	64.7	64.6	64.3	63.9	63.2	62.2
67.5°	74.5	74.7	74.9	75.0	74.9	74.7	74.5	74.1	73.6	72.8	71.6
65°	83.5	83.7	83.9	84.0	83.9	83.7	83.5	83.1	82.6	81.7	80.6
62.5°	92.4	92.7	92.5	92.0	92.5	92.7	92.4	92.0	91.4	90.3	88.9
60°	100.1	100.6	100.5	100.0	100.5	100.6	100.1	99.5	98.8	97.8	96.4
57.5°	107.5	107.7	107.9	108.0	107.9	107.7	107.5	107.0	106.2	105.2	103.8
55°	114.5	114.7	114.5	114.0	114.5	114.7	114.5	114.0	113.4	112.7	111.6
52.5°	121.8	121.8	121.5	121.0	121.5	121.8	121.8	121.4	120.8	120.1	119.0
50°	128.8	128.8	128.9	129.0	128.9	128.8	128.8	128.6	128.3	128.1	127.3
47.5°	137.4	137.0	136.8	137.0	136.8	137.0	137.4	137.3	137.0	136.6	135.6
45°	147.3	147.0	146.5	146.0	146.5	147.0	147.3	147.1	147.4	147.2	146.0
42.5°	159.0	158.3	157.5	157.0	157.5	158.3	159.0	158.9	159.5	159.3	158.4
40°	173.7	172.7	171.6	172.0	171.6	172.7	173.7	173.9	174.8	174.1	174.2
37.5°	192.5	191.7	190.3	190.0	190.3	191.7	192.5	193.0	194.2	193.4	195.0
35°	216.6	216.0	214.0	213.0	214.0	216.0	216.6	217.9	218.8	217.2	221.3
32.5°	250.2	250.6	248.5	246.0	248.5	250.6	250.2	252.2	251.9	252.4	255.4
30°	296.5	298.0	295.2	294.0	295.2	298.0	296.5	299.6	297.5	300.4	300.4
27.5°	360.2	361.5	359.1	359.0	359.1	361.5	360.2	362.2	357.5	362.9	357.0
25°	447.3	446.9	444.3	442.0	444.3	446.9	447.3	445.7	444.2	444.9	441.3
22.5°	567.8	565.9	564.6	565.0	564.6	565.9	567.8	558.8	562.3	551.8	557.8
20°	732.3	728.7	731.8	725.0	731.8	728.7	732.3	722.8	719.4	713.8	708.0
17.5°	942.4	946.6	954.3	939.0	954.3	946.6	942.4	936.0	926.6	919.1	905.5
15°	1198.9	1203.9	1204.5	1185.0	1204.5	1203.9	1198.9	1186.9	1187.3	1170.3	1163.1
12.5°	1508.0	1512.4	1507.8	1511.0	1507.8	1512.4	1508.0	1510.9	1494.0	1504.6	1475.5
10°	1937.2	1953.7	1929.0	1934.0	1929.0	1953.7	1937.2	1948.7	1976.1	1971.2	1987.4
7.5°	2626.5	2620.9	2620.8	2623.9	2620.8	2620.9	2626.5	2641.7	2667.6	2652.1	2649.3
5°	3552.6	3545.5	3554.2	3578.9	3554.2	3545.5	3552.6	3544.5	3505.6	3473.8	3440.3
2.5°	4382.2	4426.4	4419.5	4454.9	4419.5	4426.4	4382.2	4329.0	4211.6	4086.7	3963.2
0°	4700.9	4761.9	4806.9	4797.9	4806.9	4761.9	4700.9	4622.9	4518.9	4381.9	4208.9
-2.5°	4382.2	4426.4	4419.5	4454.9	4419.5	4426.4	4382.2	4329.0	4211.6	4086.7	3963.2
-5°	3552.6	3545.5	3554.2	3578.9	3554.2	3545.5	3552.6	3544.5	3505.6	3473.8	3440.3
-7.5°	2626.5	2620.9	2620.8	2623.9	2620.8	2620.9	2626.5	2641.7	2667.6	2652.1	2649.3
-10°	1937.2	1953.7	1929.0	1934.0	1929.0	1953.7	1937.2	1948.7	1976.1	1971.2	1987.4
-12.5°	1508.0	1512.4	1507.8	1511.0	1507.8	1512.4	1508.0	1510.9	1494.0	1504.6	1475.5
-15°	1198.9	1203.9	1204.5	1185.0	1204.5	1203.9	1198.9	1186.9	1187.3	1170.3	1163.1
-17.5°	942.4	946.6	954.3	939.0	954.3	946.6	942.4	936.0	926.6	919.1	905.5
-20°	732.3	728.7	731.8	725.0	731.8	728.7	732.3	722.8	719.4	713.8	708.0



REPORT NUMBER: P561382 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	567.8	565.9	564.6	565.0	564.6	565.9	567.8	558.8	562.3	551.8	557.8
-25°	447.3	446.9	444.3	442.0	444.3	446.9	447.3	445.7	444.2	444.9	441.3
-27.5°	360.2	361.5	359.1	359.0	359.1	361.5	360.2	362.2	357.5	362.9	357.0
-30°	296.5	298.0	295.2	294.0	295.2	298.0	296.5	299.6	297.5	300.4	300.4
-32.5°	250.2	250.6	248.5	246.0	248.5	250.6	250.2	252.2	251.9	252.4	255.4
-35°	216.6	216.0	214.0	213.0	214.0	216.0	216.6	217.9	218.8	217.2	221.3
-37.5°	192.5	191.7	190.3	190.0	190.3	191.7	192.5	193.0	194.2	193.4	195.0
-40°	173.7	172.7	171.6	172.0	171.6	172.7	173.7	173.9	174.8	174.1	174.2
-42.5°	159.0	158.3	157.5	157.0	157.5	158.3	159.0	158.9	159.5	159.3	158.4
-45°	147.3	147.0	146.5	146.0	146.5	147.0	147.3	147.1	147.4	147.2	146.0
-47.5°	137.4	137.0	136.8	137.0	136.8	137.0	137.4	137.3	137.0	136.6	135.6
-50°	128.8	128.8	128.9	129.0	128.9	128.8	128.8	128.6	128.3	128.1	127.3
-52.5°	121.8	121.8	121.5	121.0	121.5	121.8	121.8	121.4	120.8	120.1	119.0
-55°	114.5	114.7	114.5	114.0	114.5	114.7	114.5	114.0	113.4	112.7	111.6
-57.5°	107.5	107.7	107.9	108.0	107.9	107.7	107.5	107.0	106.2	105.2	103.8
-60°	100.1	100.6	100.5	100.0	100.5	100.6	100.1	99.5	98.8	97.8	96.4
-62.5°	92.4	92.7	92.5	92.0	92.5	92.7	92.4	92.0	91.4	90.3	88.9
-65°	83.5	83.7	83.9	84.0	83.9	83.7	83.5	83.1	82.6	81.7	80.6
-67.5°	74.5	74.7	74.9	75.0	74.9	74.7	74.5	74.1	73.6	72.8	71.6
-70°	64.6	64.7	64.9	65.0	64.9	64.7	64.6	64.3	63.9	63.2	62.2
-72.5°	54.7	54.7	54.9	55.0	54.9	54.7	54.7	54.5	54.1	53.6	52.8
-75°	44.8	44.8	44.5	44.0	44.5	44.8	44.8	44.6	44.3	44.0	43.5
-77.5°	34.8	34.8	34.5	34.0	34.5	34.8	34.8	34.8	34.6	34.3	34.0
-80°	25.0	24.9	25.0	25.0	25.0	24.9	25.0	25.1	25.0	24.9	25.1
-82.5°	17.8	17.9	17.5	17.0	17.5	17.9	17.8	17.6	17.4	17.2	17.4
-85°	9.1	9.0	9.0	9.0	9.0	9.0	9.1	9.3	9.5	9.6	9.7
-87.5°	3.2	3.0	3.0	3.0	3.0	3.0	3.2	3.4	3.7	3.9	3.8
-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: P561382 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	3.8	3.7	3.6	3.8	3.9	4.0	4.1	4.2	4.2	4.2	4.2
85°	9.7	9.7	9.7	9.7	9.6	9.6	9.5	9.4	9.2	9.1	8.9
82.5°	17.5	17.5	17.5	17.0	16.6	16.1	15.7	15.4	15.0	14.6	14.1
80°	25.1	25.1	25.0	24.7	24.2	23.5	22.8	22.3	21.7	21.1	20.6
77.5°	33.7	33.2	32.8	32.5	32.0	31.5	30.9	30.2	29.3	28.4	27.6
75°	42.9	42.2	41.4	40.7	39.9	39.1	38.3	37.6	36.7	35.6	34.8
72.5°	51.9	51.0	50.1	49.1	48.0	46.7	45.9	45.2	44.3	43.0	42.3
70°	61.0	59.7	58.5	57.4	56.3	54.9	54.0	53.2	52.2	50.9	50.5
67.5°	70.3	68.8	67.5	66.3	64.8	63.2	62.4	61.6	60.4	59.0	58.9
65°	79.2	77.7	76.3	74.6	72.9	71.3	70.9	70.0	68.7	67.3	67.4
62.5°	87.4	85.8	84.6	82.9	81.0	79.3	78.9	78.2	76.9	76.1	76.3
60°	94.9	93.2	92.1	90.8	89.1	88.1	87.5	86.6	85.3	85.3	85.5
57.5°	102.1	100.8	99.9	98.6	96.7	96.6	96.3	95.3	93.8	95.0	95.3
55°	110.3	109.1	108.1	106.8	105.4	105.8	105.5	104.6	104.0	105.1	105.5
52.5°	117.6	117.2	116.3	114.8	114.4	115.4	115.2	114.3	115.1	116.4	116.3
50°	126.1	125.9	125.0	123.5	124.4	125.5	125.6	124.6	126.8	128.1	128.1
47.5°	135.4	135.7	134.8	133.6	135.7	136.6	136.7	137.6	139.6	140.1	140.0
45°	146.6	147.0	146.2	146.7	148.5	149.3	148.7	151.8	153.5	153.6	152.2
42.5°	159.9	160.0	159.2	161.7	163.1	163.5	164.8	167.8	168.8	168.1	169.3
40°	175.8	175.2	176.1	178.9	180.0	179.1	183.7	185.7	186.0	184.1	189.8
37.5°	195.7	194.3	197.9	200.0	200.0	201.9	205.8	206.8	204.8	209.7	214.4
35°	221.2	221.3	224.9	225.9	224.7	231.1	232.5	231.0	231.7	239.7	242.4
32.5°	252.7	257.7	259.4	257.8	261.6	265.6	264.9	259.8	270.6	275.5	274.2
30°	299.5	303.2	302.3	302.7	307.8	306.3	301.7	311.7	317.5	316.1	309.9
27.5°	362.4	358.8	355.9	363.7	362.7	355.8	363.5	372.2	370.9	363.6	356.8
25°	444.0	434.0	438.8	439.6	429.0	434.0	443.9	443.5	433.3	424.1	455.5
22.5°	546.2	549.5	548.0	531.2	533.8	544.2	539.7	523.9	520.9	557.5	570.4
20°	698.3	696.1	679.5	679.3	682.4	669.9	648.1	662.1	698.1	708.7	698.5
17.5°	901.7	876.0	876.7	875.4	854.0	818.2	864.0	893.0	894.7	874.1	837.8
15°	1130.0	1148.6	1137.5	1100.6	1096.2	1143.1	1158.8	1146.0	1110.0	1054.9	992.2
12.5°	1506.6	1483.8	1429.8	1490.1	1519.0	1514.2	1480.7	1422.1	1343.9	1257.2	1165.8
10°	1945.3	1976.6	2004.4	2003.5	1971.5	1909.1	1812.3	1704.7	1589.4	1468.4	1343.9
7.5°	2654.3	2640.2	2601.4	2512.1	2394.6	2268.0	2131.9	1988.1	1836.9	1681.2	1523.7
5°	3334.8	3206.8	3072.6	2931.9	2780.2	2620.6	2449.3	2269.9	2083.0	1892.4	1701.1
2.5°	3825.5	3673.9	3513.1	3327.7	3106.1	2880.2	2646.0	2411.7	2176.9	1942.7	1718.8
0°	4031.9	3838.9	3624.9	3387.9	3144.9	2903.9	2661.9	2426.9	2191.9	1953.0	1727.0
-2.5°	3825.5	3673.9	3513.1	3327.7	3106.1	2880.2	2646.0	2411.7	2176.9	1942.7	1718.8
-5°	3334.8	3206.8	3072.6	2931.9	2780.2	2620.6	2449.3	2269.9	2083.0	1892.4	1701.1
-7.5°	2654.3	2640.2	2601.4	2512.1	2394.6	2268.0	2131.9	1988.1	1836.9	1681.2	1523.7
-10°	1945.3	1976.6	2004.4	2003.5	1971.5	1909.1	1812.3	1704.7	1589.4	1468.4	1343.9
-12.5°	1506.6	1483.8	1429.8	1490.1	1519.0	1514.2	1480.7	1422.1	1343.9	1257.2	1165.8
-15°	1130.0	1148.6	1137.5	1100.6	1096.2	1143.1	1158.8	1146.0	1110.0	1054.9	992.2
-17.5°	901.7	876.0	876.7	875.4	854.0	818.2	864.0	893.0	894.7	874.1	837.8
-20°	698.3	696.1	679.5	679.3	682.4	669.9	648.1	662.1	698.1	708.7	698.5



REPORT NUMBER: P561382 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	546.2	549.5	548.0	531.2	533.8	544.2	539.7	523.9	520.9	557.5	570.4
-25°	444.0	434.0	438.8	439.6	429.0	434.0	443.9	443.5	433.3	424.1	455.5
-27.5°	362.4	358.8	355.9	363.7	362.7	355.8	363.5	372.2	370.9	363.6	356.8
-30°	299.5	303.2	302.3	302.7	307.8	306.3	301.7	311.7	317.5	316.1	309.9
-32.5°	252.7	257.7	259.4	257.8	261.6	265.6	264.9	259.8	270.6	275.5	274.2
-35°	221.2	221.3	224.9	225.9	224.7	231.1	232.5	231.0	231.7	239.7	242.4
-37.5°	195.7	194.3	197.9	200.0	200.0	201.9	205.8	206.8	204.8	209.7	214.4
-40°	175.8	175.2	176.1	178.9	180.0	179.1	183.7	185.7	186.0	184.1	189.8
-42.5°	159.9	160.0	159.2	161.7	163.1	163.5	164.8	167.8	168.8	168.1	169.3
-45°	146.6	147.0	146.2	146.7	148.5	149.3	148.7	151.8	153.5	153.6	152.2
-47.5°	135.4	135.7	134.8	133.6	135.7	136.6	136.7	137.6	139.6	140.1	140.0
-50°	126.1	125.9	125.0	123.5	124.4	125.5	125.6	124.6	126.8	128.1	128.1
-52.5°	117.6	117.2	116.3	114.8	114.4	115.4	115.2	114.3	115.1	116.4	116.3
-55°	110.3	109.1	108.1	106.8	105.4	105.8	105.5	104.6	104.0	105.1	105.5
-57.5°	102.1	100.8	99.9	98.6	96.7	96.6	96.3	95.3	93.8	95.0	95.3
-60°	94.9	93.2	92.1	90.8	89.1	88.1	87.5	86.6	85.3	85.3	85.5
-62.5°	87.4	85.8	84.6	82.9	81.0	79.3	78.9	78.2	76.9	76.1	76.3
-65°	79.2	77.7	76.3	74.6	72.9	71.3	70.9	70.0	68.7	67.3	67.4
-67.5°	70.3	68.8	67.5	66.3	64.8	63.2	62.4	61.6	60.4	59.0	58.9
-70°	61.0	59.7	58.5	57.4	56.3	54.9	54.0	53.2	52.2	50.9	50.5
-72.5°	51.9	51.0	50.1	49.1	48.0	46.7	45.9	45.2	44.3	43.0	42.3
-75°	42.9	42.2	41.4	40.7	39.9	39.1	38.3	37.6	36.7	35.6	34.8
-77.5°	33.7	33.2	32.8	32.5	32.0	31.5	30.9	30.2	29.3	28.4	27.6
-80°	25.1	25.1	25.0	24.7	24.2	23.5	22.8	22.3	21.7	21.1	20.6
-82.5°	17.5	17.5	17.5	17.0	16.6	16.1	15.7	15.4	15.0	14.6	14.1
-85°	9.7	9.7	9.7	9.7	9.6	9.6	9.5	9.4	9.2	9.1	8.9
-87.5°	3.8	3.7	3.6	3.8	3.9	4.0	4.1	4.2	4.2	4.2	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: P561382 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	4.1	3.9	3.7	3.4	3.4	3.3	3.1	3.0	2.8	2.6	2.3
85°	8.6	8.3	7.8	7.3	7.0	6.5	6.2	5.9	5.5	5.1	4.7
82.5°	13.8	13.4	13.0	12.5	12.1	11.5	10.8	9.9	8.9	7.8	7.0
80°	20.2	19.8	19.1	18.3	17.5	16.5	15.7	14.6	13.3	11.9	10.3
77.5°	27.1	26.5	25.6	24.7	23.7	22.6	21.1	19.5	17.7	16.0	14.0
75°	34.4	33.7	32.7	31.5	30.2	28.6	26.9	25.0	22.8	20.2	17.7
72.5°	42.0	41.2	40.1	38.6	37.0	35.2	32.9	30.6	28.1	25.1	21.6
70°	50.1	49.1	47.8	46.3	44.3	41.7	39.2	36.6	33.4	30.0	26.2
67.5°	58.6	57.7	56.1	54.4	52.2	49.4	45.7	42.7	39.3	35.0	30.7
65°	67.0	66.1	64.7	62.9	60.4	57.2	53.3	49.4	45.4	40.7	35.2
62.5°	75.7	74.5	73.2	71.5	68.8	65.2	61.0	56.9	51.7	46.4	40.2
60°	84.8	83.4	82.0	80.2	77.3	73.4	69.2	64.6	58.9	52.2	45.5
57.5°	94.6	92.7	91.7	89.4	86.1	81.7	77.6	72.7	66.1	58.7	50.8
55°	104.7	103.3	102.1	99.5	95.5	90.5	86.7	81.2	73.6	65.4	56.2
52.5°	115.3	114.8	113.5	110.2	105.6	100.4	96.8	90.0	81.9	72.1	62.3
50°	126.5	127.1	125.6	121.9	116.2	112.5	107.6	100.1	90.3	79.1	68.5
47.5°	140.4	140.6	138.5	134.2	127.8	125.8	120.1	110.9	98.9	86.9	74.7
45°	155.3	155.5	152.4	147.2	143.3	141.1	133.8	122.1	109.1	95.1	81.0
42.5°	171.8	171.5	167.6	160.9	162.0	157.8	148.4	135.3	119.7	103.4	87.8
40°	191.3	189.0	183.9	182.2	183.1	176.0	164.9	149.3	130.6	112.3	95.1
37.5°	212.9	208.9	201.7	209.4	207.1	197.4	182.4	164.0	142.9	122.6	102.4
35°	239.0	231.0	236.4	241.0	234.9	220.6	200.8	179.6	156.8	133.0	109.6
32.5°	267.8	268.1	278.9	277.2	265.6	245.6	221.6	197.5	171.0	143.5	116.8
30°	308.1	325.5	327.5	317.4	299.4	274.3	245.4	216.4	185.4	154.2	124.3
27.5°	382.6	390.1	382.2	363.7	337.3	305.1	271.8	236.1	200.0	165.4	133.0
25°	467.9	463.4	444.4	414.7	377.7	340.7	299.3	256.7	215.9	177.4	141.5
22.5°	564.9	544.6	511.5	469.4	425.0	378.1	328.9	279.9	232.7	189.2	149.9
20°	670.5	632.3	584.2	533.4	476.6	419.0	360.4	303.3	249.5	200.9	158.0
17.5°	784.7	732.3	670.9	602.7	531.3	461.0	392.3	326.9	266.3	212.2	165.9
15°	921.4	845.3	762.3	674.5	587.2	503.6	424.4	350.2	282.9	223.2	172.0
12.5°	1066.3	962.2	856.5	747.9	643.6	546.3	456.2	373.2	299.0	230.9	175.9
10°	1214.4	1081.2	952.1	821.7	699.6	588.5	487.4	391.1	307.1	235.7	179.0
7.5°	1363.4	1200.7	1047.4	894.7	748.4	615.5	499.5	398.5	312.8	239.6	181.5
5°	1486.7	1280.1	1093.2	916.7	761.0	624.9	506.7	404.1	317.2	242.6	183.4
2.5°	1502.1	1295.5	1104.1	926.8	769.9	631.5	511.5	407.9	320.3	244.8	184.5
0°	1509.0	1304.0	1109.0	932.0	775.0	635.0	514.0	410.0	322.0	246.0	185.0
-2.5°	1502.1	1295.5	1104.1	926.8	769.9	631.5	511.5	407.9	320.3	244.8	184.5
-5°	1486.7	1280.1	1093.2	916.7	761.0	624.9	506.7	404.1	317.2	242.6	183.4
-7.5°	1363.4	1200.7	1047.4	894.7	748.4	615.5	499.5	398.5	312.8	239.6	181.5
-10°	1214.4	1081.2	952.1	821.7	699.6	588.5	487.4	391.1	307.1	235.7	179.0
-12.5°	1066.3	962.2	856.5	747.9	643.6	546.3	456.2	373.2	299.0	230.9	175.9
-15°	921.4	845.3	762.3	674.5	587.2	503.6	424.4	350.2	282.9	223.2	172.0
-17.5°	784.7	732.3	670.9	602.7	531.3	461.0	392.3	326.9	266.3	212.2	165.9
-20°	670.5	632.3	584.2	533.4	476.6	419.0	360.4	303.3	249.5	200.9	158.0



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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°	564.9	544.6	511.5	469.4	425.0	378.1	328.9	279.9	232.7	189.2	149.9
-25°	467.9	463.4	444.4	414.7	377.7	340.7	299.3	256.7	215.9	177.4	141.5
-27.5°	382.6	390.1	382.2	363.7	337.3	305.1	271.8	236.1	200.0	165.4	133.0
-30°	308.1	325.5	327.5	317.4	299.4	274.3	245.4	216.4	185.4	154.2	124.3
-32.5°	267.8	268.1	278.9	277.2	265.6	245.6	221.6	197.5	171.0	143.5	116.8
-35°	239.0	231.0	236.4	241.0	234.9	220.6	200.8	179.6	156.8	133.0	109.6
-37.5°	212.9	208.9	201.7	209.4	207.1	197.4	182.4	164.0	142.9	122.6	102.4
-40°	191.3	189.0	183.9	182.2	183.1	176.0	164.9	149.3	130.6	112.3	95.1
-42.5°	171.8	171.5	167.6	160.9	162.0	157.8	148.4	135.3	119.7	103.4	87.8
-45°	155.3	155.5	152.4	147.2	143.3	141.1	133.8	122.1	109.1	95.1	81.0
-47.5°	140.4	140.6	138.5	134.2	127.8	125.8	120.1	110.9	98.9	86.9	74.7
-50°	126.5	127.1	125.6	121.9	116.2	112.5	107.6	100.1	90.3	79.1	68.5
-52.5°	115.3	114.8	113.5	110.2	105.6	100.4	96.8	90.0	81.9	72.1	62.3
-55°	104.7	103.3	102.1	99.5	95.5	90.5	86.7	81.2	73.6	65.4	56.2
-57.5°	94.6	92.7	91.7	89.4	86.1	81.7	77.6	72.7	66.1	58.7	50.8
-60°	84.8	83.4	82.0	80.2	77.3	73.4	69.2	64.6	58.9	52.2	45.5
-62.5°	75.7	74.5	73.2	71.5	68.8	65.2	61.0	56.9	51.7	46.4	40.2
-65°	67.0	66.1	64.7	62.9	60.4	57.2	53.3	49.4	45.4	40.7	35.2
-67.5°	58.6	57.7	56.1	54.4	52.2	49.4	45.7	42.7	39.3	35.0	30.7
-70°	50.1	49.1	47.8	46.3	44.3	41.7	39.2	36.6	33.4	30.0	26.2
-72.5°	42.0	41.2	40.1	38.6	37.0	35.2	32.9	30.6	28.1	25.1	21.6
-75°	34.4	33.7	32.7	31.5	30.2	28.6	26.9	25.0	22.8	20.2	17.7
-77.5°	27.1	26.5	25.6	24.7	23.7	22.6	21.1	19.5	17.7	16.0	14.0
-80°	20.2	19.8	19.1	18.3	17.5	16.5	15.7	14.6	13.3	11.9	10.3
-82.5°	13.8	13.4	13.0	12.5	12.1	11.5	10.8	9.9	8.9	7.8	7.0
-85°	8.6	8.3	7.8	7.3	7.0	6.5	6.2	5.9	5.5	5.1	4.7
-87.5°	4.1	3.9	3.7	3.4	3.4	3.3	3.1	3.0	2.8	2.6	2.3
-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°	2.1	1.8	1.5	1.1	0.8	0.4	0.0
85°	4.1	3.6	2.9	2.3	1.6	0.8	0.0
82.5°	6.2	5.3	4.4	3.4	2.3	1.2	0.0
80°	8.4	7.1	5.9	4.6	3.1	1.6	0.0
77.5°	11.8	9.3	7.3	5.7	3.9	1.9	0.0
75°	15.1	12.3	9.0	6.8	4.7	2.3	0.0
72.5°	18.5	15.3	11.5	7.9	5.4	2.7	0.0
70°	21.9	18.3	14.1	9.2	6.1	3.1	0.0
67.5°	26.0	21.3	16.6	11.2	6.9	3.4	0.0
65°	30.1	24.6	19.1	13.1	7.6	3.8	0.0
62.5°	34.2	28.1	21.6	15.1	8.3	4.2	0.0
60°	38.3	31.6	24.0	17.0	9.0	4.5	0.0
57.5°	43.0	35.1	26.9	18.9	10.3	4.8	0.0
55°	47.8	38.6	29.8	20.7	11.5	5.2	0.0
52.5°	52.5	42.1	32.6	22.6	12.7	5.5	0.0
50°	57.3	46.1	35.3	24.4	13.9	5.8	0.0
47.5°	62.0	50.1	38.0	26.2	15.0	6.1	0.0
45°	67.4	54.0	40.7	28.2	16.1	6.4	0.0
42.5°	72.8	57.8	43.3	30.1	17.2	6.6	0.0
40°	78.1	61.6	46.0	31.9	18.2	6.9	0.0
37.5°	83.3	65.2	48.9	33.6	19.2	7.1	0.0
35°	88.4	69.2	51.7	35.2	20.1	7.4	0.0
32.5°	93.7	73.2	54.4	36.7	21.0	7.6	0.0
30°	99.5	77.2	57.0	38.0	21.8	7.8	0.0
27.5°	105.2	81.0	59.1	39.3	22.6	8.0	0.0
25°	110.7	84.6	60.9	40.5	23.3	8.2	0.0
22.5°	116.0	87.8	62.6	41.5	23.9	8.3	0.0
20°	121.1	90.2	64.2	42.5	24.5	8.5	0.0
17.5°	124.9	92.4	65.5	43.3	25.1	8.6	0.0
15°	127.8	94.3	66.7	44.0	25.5	8.7	0.0
12.5°	130.4	95.9	67.7	44.6	25.9	8.8	0.0
10°	132.5	97.3	68.5	45.1	26.3	8.9	0.0
7.5°	134.3	98.4	69.2	45.5	26.6	8.9	0.0
5°	135.6	99.2	69.6	45.8	26.8	9.0	0.0
2.5°	136.5	99.7	69.9	45.9	26.9	9.0	0.0
0°	137.0	100.0	70.0	46.0	27.0	9.0	0.0
-2.5°	136.5	99.7	69.9	45.9	26.9	9.0	0.0
-5°	135.6	99.2	69.6	45.8	26.8	9.0	0.0
-7.5°	134.3	98.4	69.2	45.5	26.6	8.9	0.0
-10°	132.5	97.3	68.5	45.1	26.3	8.9	0.0
-12.5°	130.4	95.9	67.7	44.6	25.9	8.8	0.0
-15°	127.8	94.3	66.7	44.0	25.5	8.7	0.0
-17.5°	124.9	92.4	65.5	43.3	25.1	8.6	0.0
-20°	121.1	90.2	64.2	42.5	24.5	8.5	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	116.0	87.8	62.6	41.5	23.9	8.3	0.0
-25°	110.7	84.6	60.9	40.5	23.3	8.2	0.0
-27.5°	105.2	81.0	59.1	39.3	22.6	8.0	0.0
-30°	99.5	77.2	57.0	38.0	21.8	7.8	0.0
-32.5°	93.7	73.2	54.4	36.7	21.0	7.6	0.0
-35°	88.4	69.2	51.7	35.2	20.1	7.4	0.0
-37.5°	83.3	65.2	48.9	33.6	19.2	7.1	0.0
-40°	78.1	61.6	46.0	31.9	18.2	6.9	0.0
-42.5°	72.8	57.8	43.3	30.1	17.2	6.6	0.0
-45°	67.4	54.0	40.7	28.2	16.1	6.4	0.0
-47.5°	62.0	50.1	38.0	26.2	15.0	6.1	0.0
-50°	57.3	46.1	35.3	24.4	13.9	5.8	0.0
-52.5°	52.5	42.1	32.6	22.6	12.7	5.5	0.0
-55°	47.8	38.6	29.8	20.7	11.5	5.2	0.0
-57.5°	43.0	35.1	26.9	18.9	10.3	4.8	0.0
-60°	38.3	31.6	24.0	17.0	9.0	4.5	0.0
-62.5°	34.2	28.1	21.6	15.1	8.3	4.2	0.0
-65°	30.1	24.6	19.1	13.1	7.6	3.8	0.0
-67.5°	26.0	21.3	16.6	11.2	6.9	3.4	0.0
-70°	21.9	18.3	14.1	9.2	6.1	3.1	0.0
-72.5°	18.5	15.3	11.5	7.9	5.4	2.7	0.0
-75°	15.1	12.3	9.0	6.8	4.7	2.3	0.0
-77.5°	11.8	9.3	7.3	5.7	3.9	1.9	0.0
-80°	8.4	7.1	5.9	4.6	3.1	1.6	0.0
-82.5°	6.2	5.3	4.4	3.4	2.3	1.2	0.0
-85°	4.1	3.6	2.9	2.3	1.6	0.8	0.0
-87.5°	2.1	1.8	1.5	1.1	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)