

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: P558857 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3E-930-U-TSB-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558857 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA3E-930-U-TSB-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, TIGHT SPOT BAFFLE N1
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

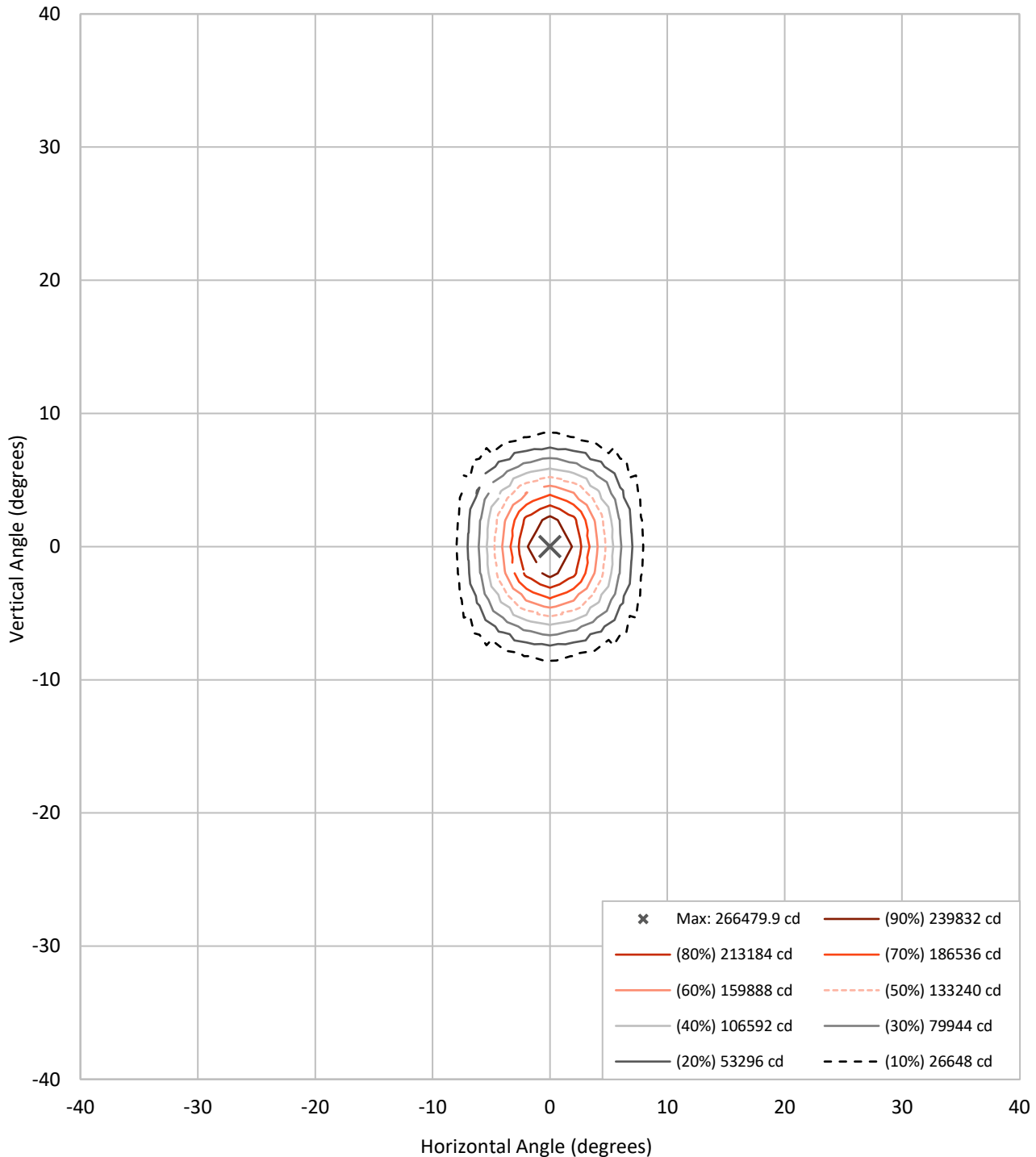
Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	10377.3 lumens	Max Intensity:	266479.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	57.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	9.3°H x 10.4°V	Field Angle (10%):	15.7°H x 17.1°V
Beam Lumens:	4447.9 lumens	Field Lumens:	7665.9 lumens
Beam Efficiency:	42.9%	Field Efficiency:	73.9%

Input Watts (W): 182
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





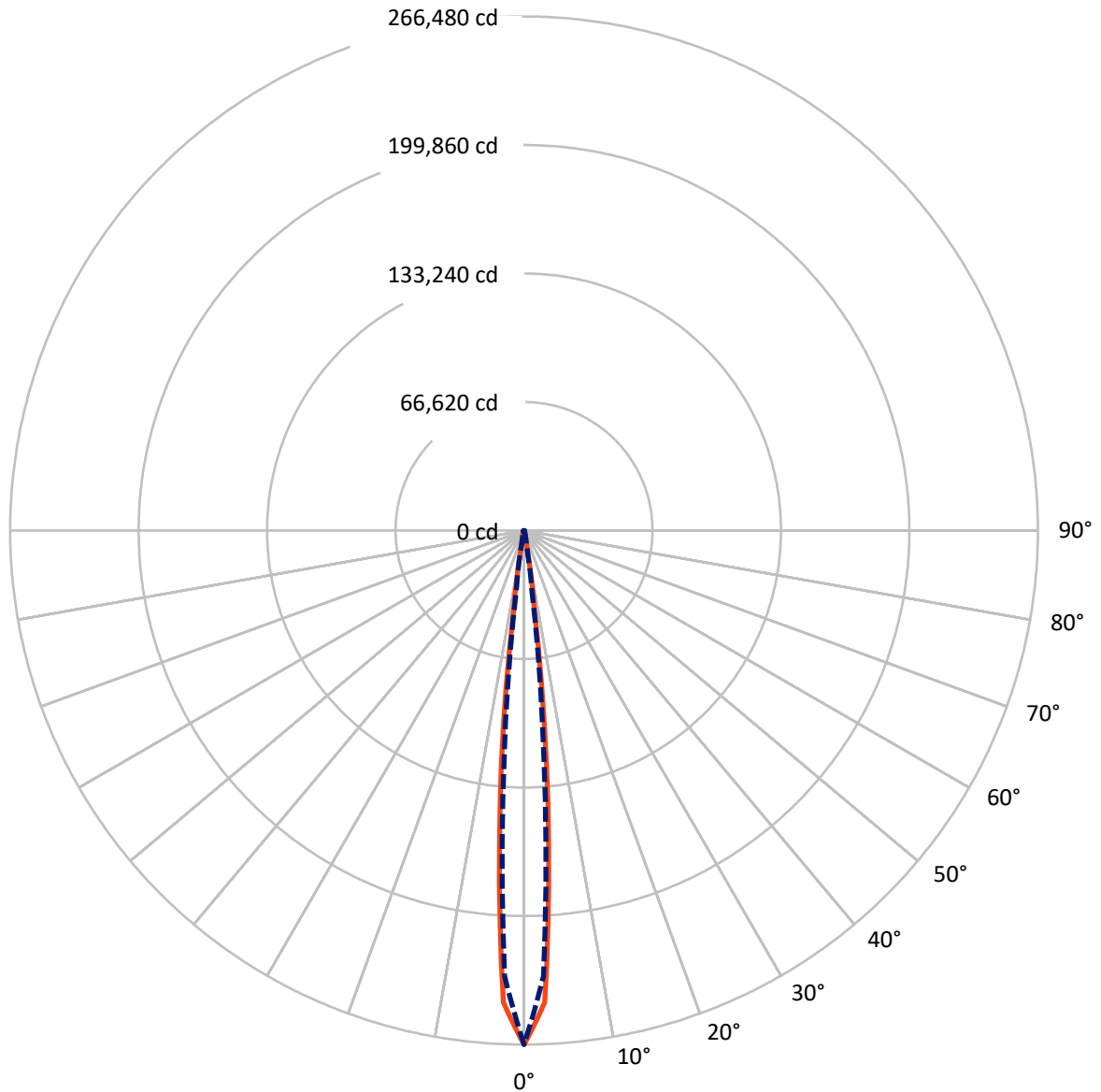
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Lumen Table

90	0.0	0.3	1.1	2.5	4.3	2.5	1.1	0.3	0.0							
80	0.0	0.3	1.1	2.5	4.3	2.5	1.1	0.3	0.0							
70	0.2	0.2	0.5	1.1	1.8	2.3	3.6	6.4	6.4	3.6	2.3	1.8	1.1	0.5	0.2	0.2
60		0.4	1.0	2.1	3.4	4.6	6.2	8.4	8.4	6.2	4.6	3.4	2.1	1.0	0.4	
50	0.5	0.7	1.6	3.3	5.9	8.8	11.3	13.5	13.5	11.3	8.8	5.9	3.3	1.6	0.7	0.5
40		1.1	2.3	5.1	9.1	12.3	13.9	14.7	14.7	13.9	12.3	9.1	5.1	2.3	1.1	
30	1.0	1.7	3.2	7.1	11.2	13.4	18.2	23.9	23.9	18.2	13.4	11.2	7.1	3.2	1.7	1.0
20		2.3	4.4	9.0	12.4	17.6	35.7	71.3	71.3	35.7	17.6	12.4	9.0	4.4	2.3	
10	1.2	2.5	5.3	10.1	12.9	22.6	70.5	2085.0	2085.0	70.5	22.6	12.9	10.1	5.3	2.5	1.2
0		2.5	5.3	10.1	12.9	22.6	70.5	2085.0	2085.0	70.5	22.6	12.9	10.1	5.3	2.5	
-10	1.0	2.3	4.4	9.0	12.4	17.6	35.7	71.3	71.3	35.7	17.6	12.4	9.0	4.4	2.3	1.0
-20		1.7	3.2	7.1	11.2	13.4	18.2	23.9	23.9	18.2	13.4	11.2	7.1	3.2	1.7	
-30	0.5	1.1	2.3	5.1	9.1	12.3	13.9	14.7	14.7	13.9	12.3	9.1	5.1	2.3	1.1	0.5
-40		0.7	1.6	3.3	5.9	8.8	11.3	13.5	13.5	11.3	8.8	5.9	3.3	1.6	0.7	
-50	0.2	0.4	1.0	2.1	3.4	4.6	6.2	8.4	8.4	6.2	4.6	3.4	2.1	1.0	0.4	0.2
-60		0.2	0.5	1.1	1.8	2.3	3.6	6.4	6.4	3.6	2.3	1.8	1.1	0.5	0.2	
-70	0.0	0.3	1.1	2.5	4.3	2.5	1.1	0.3	0.0							
-80		0.0	0.3	1.1	2.5	4.3	2.5	1.1	0.3	0.0						
-90	0.0	0.3	1.1	2.5	4.3	2.5	1.1	0.3	0.0							

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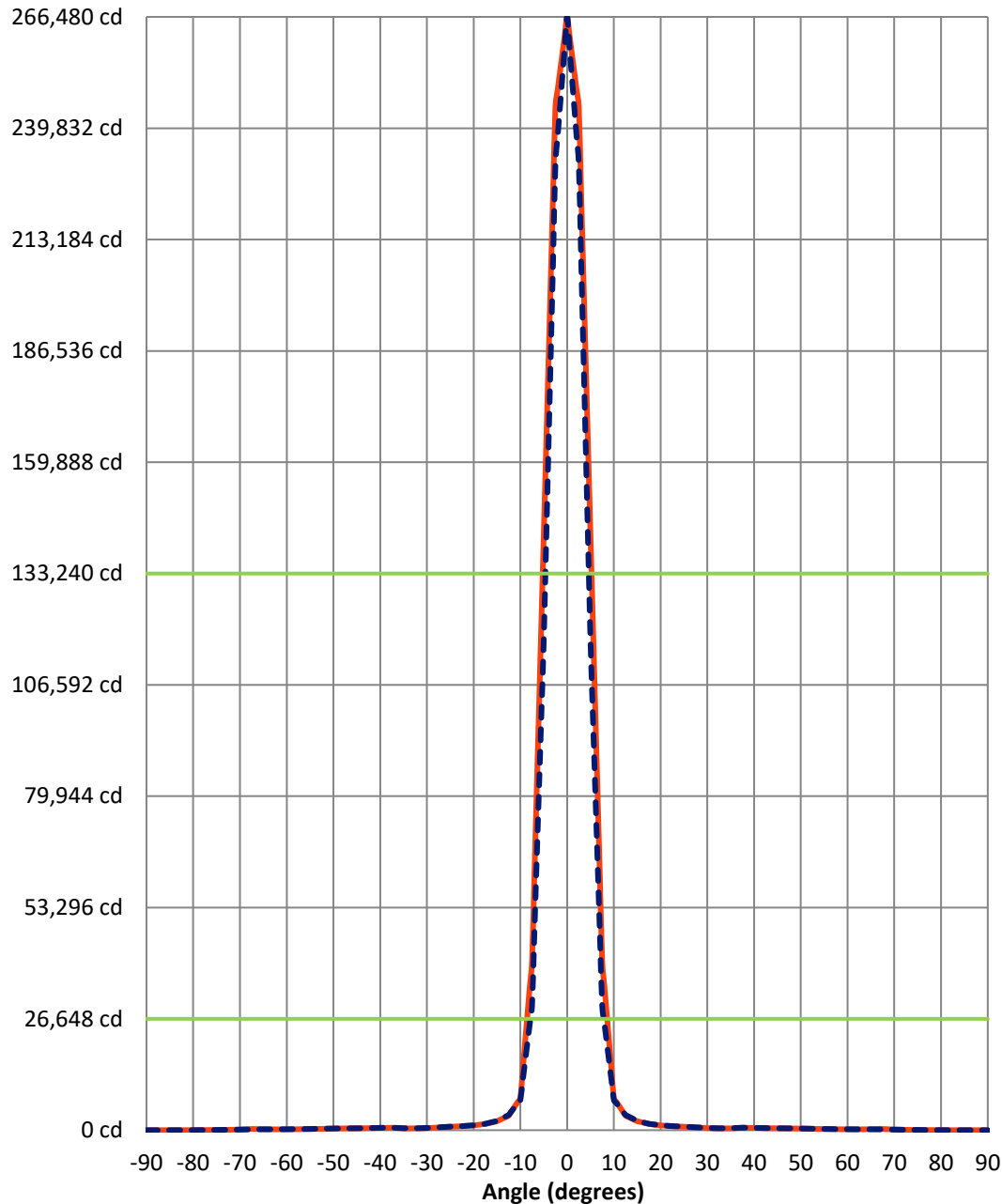
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 9.3°
V Angle: 10.4°
Lumens: 4447.9
Efficiency: 42.9%

Field:
H Angle: 15.7°
V Angle: 17.1°
Lumens: 7665.9
Efficiency: 73.9%

Spill:
Lumens: 2711.4
Efficiency: 26.1%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
85°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.0	2.3	2.5
82.5°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.0	3.0	3.0
80°	0.0	0.5	1.0	1.6	2.1	2.6	3.0	3.0	3.0	3.0	3.0
77.5°	0.0	0.6	1.3	1.9	2.6	3.0	3.0	3.0	3.0	3.0	3.3
75°	0.0	0.8	1.6	2.3	3.0	3.0	3.0	3.0	3.1	4.0	4.6
72.5°	0.0	0.9	1.8	2.7	3.0	3.0	3.0	3.3	4.4	5.3	6.0
70°	0.0	1.0	2.0	3.0	3.0	3.0	3.1	4.6	5.8	6.7	8.3
67.5°	0.0	1.1	2.3	3.0	3.0	3.0	4.3	5.8	7.1	9.2	10.9
65°	0.0	1.3	2.5	3.0	3.0	3.5	5.5	7.1	9.4	11.6	13.9
62.5°	0.0	1.4	2.8	3.0	3.0	4.5	6.6	9.0	11.7	14.3	17.8
60°	0.0	1.5	3.0	3.0	3.0	5.5	7.8	11.0	14.0	18.1	21.8
57.5°	0.0	1.6	3.0	3.0	3.8	6.5	9.7	13.1	17.3	22.0	26.4
55°	0.0	1.7	3.0	3.0	4.6	7.5	11.8	15.4	20.8	26.0	31.3
52.5°	0.0	1.8	3.1	3.0	5.4	8.7	13.9	18.8	24.4	30.7	36.3
50°	0.0	1.9	3.1	3.0	6.2	10.6	16.1	22.4	28.1	35.4	42.4
47.5°	0.0	2.0	3.1	3.1	7.0	12.5	18.5	26.2	32.5	40.2	48.9
45°	0.0	2.1	3.2	3.7	7.7	14.4	21.9	30.1	37.6	46.3	55.5
42.5°	0.0	2.2	3.2	4.3	8.5	16.3	25.3	34.5	43.1	52.5	63.3
40°	0.0	2.3	3.3	4.8	9.6	18.2	28.8	39.4	49.0	58.9	71.6
37.5°	0.0	2.4	3.3	5.3	11.1	20.1	32.4	44.4	55.8	67.1	80.1
35°	0.0	2.5	3.4	5.8	12.5	22.6	35.9	49.4	62.7	76.4	88.4
32.5°	0.0	2.5	3.5	6.2	14.0	25.4	39.6	54.5	69.6	86.2	98.8
30°	0.0	2.6	3.5	6.6	15.3	28.2	43.8	59.9	76.6	96.2	110.6
27.5°	0.0	2.7	3.6	6.9	16.2	30.8	47.8	65.6	84.2	106.6	123.5
25°	0.0	2.7	3.7	7.1	16.9	33.4	51.9	71.3	92.7	117.4	137.4
22.5°	0.0	2.8	3.8	7.4	17.5	35.5	55.8	76.8	101.1	128.7	149.3
20°	0.0	2.8	3.9	7.5	17.9	36.3	59.6	82.2	109.6	140.6	160.9
17.5°	0.0	2.9	4.0	7.7	18.1	36.7	61.7	87.5	117.9	152.7	172.4
15°	0.0	2.9	4.0	7.7	18.3	37.0	62.4	91.3	126.0	165.0	183.6
12.5°	0.0	2.9	4.1	7.8	18.3	36.9	62.8	93.2	131.3	177.3	194.6
10°	0.0	3.0	4.2	7.8	18.1	36.6	63.0	95.0	133.9	182.0	202.3
7.5°	0.0	3.0	4.3	7.8	17.9	36.1	62.8	96.4	135.9	184.9	203.7
5°	0.0	3.0	4.4	7.8	17.6	35.4	62.4	97.5	137.3	186.8	204.8
2.5°	0.0	3.0	4.4	7.7	17.2	34.5	61.7	98.2	138.0	187.9	205.7
0°	0.0	3.0	4.5	7.6	16.7	33.4	60.6	98.5	138.0	188.0	206.2
-2.5°	0.0	3.0	4.4	7.7	17.2	34.5	61.7	98.2	138.0	187.9	205.7
-5°	0.0	3.0	4.4	7.8	17.6	35.4	62.4	97.5	137.3	186.8	204.8
-7.5°	0.0	3.0	4.3	7.8	17.9	36.1	62.8	96.4	135.9	184.9	203.7
-10°	0.0	3.0	4.2	7.8	18.1	36.6	63.0	95.0	133.9	182.0	202.3
-12.5°	0.0	2.9	4.1	7.8	18.3	36.9	62.8	93.2	131.3	177.3	194.6
-15°	0.0	2.9	4.0	7.7	18.3	37.0	62.4	91.3	126.0	165.0	183.6
-17.5°	0.0	2.9	4.0	7.7	18.1	36.7	61.7	87.5	117.9	152.7	172.4
-20°	0.0	2.8	3.9	7.5	17.9	36.3	59.6	82.2	109.6	140.6	160.9



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.8	3.8	7.4	17.5	35.5	55.8	76.8	101.1	128.7	149.3
-25°	0.0	2.7	3.7	7.1	16.9	33.4	51.9	71.3	92.7	117.4	137.4
-27.5°	0.0	2.7	3.6	6.9	16.2	30.8	47.8	65.6	84.2	106.6	123.5
-30°	0.0	2.6	3.5	6.6	15.3	28.2	43.8	59.9	76.6	96.2	110.6
-32.5°	0.0	2.5	3.5	6.2	14.0	25.4	39.6	54.5	69.6	86.2	98.8
-35°	0.0	2.5	3.4	5.8	12.5	22.6	35.9	49.4	62.7	76.4	88.4
-37.5°	0.0	2.4	3.3	5.3	11.1	20.1	32.4	44.4	55.8	67.1	80.1
-40°	0.0	2.3	3.3	4.8	9.6	18.2	28.8	39.4	49.0	58.9	71.6
-42.5°	0.0	2.2	3.2	4.3	8.5	16.3	25.3	34.5	43.1	52.5	63.3
-45°	0.0	2.1	3.2	3.7	7.7	14.4	21.9	30.1	37.6	46.3	55.5
-47.5°	0.0	2.0	3.1	3.1	7.0	12.5	18.5	26.2	32.5	40.2	48.9
-50°	0.0	1.9	3.1	3.0	6.2	10.6	16.1	22.4	28.1	35.4	42.4
-52.5°	0.0	1.8	3.1	3.0	5.4	8.7	13.9	18.8	24.4	30.7	36.3
-55°	0.0	1.7	3.0	3.0	4.6	7.5	11.8	15.4	20.8	26.0	31.3
-57.5°	0.0	1.6	3.0	3.0	3.8	6.5	9.7	13.1	17.3	22.0	26.4
-60°	0.0	1.5	3.0	3.0	3.0	5.5	7.8	11.0	14.0	18.1	21.8
-62.5°	0.0	1.4	2.8	3.0	3.0	4.5	6.6	9.0	11.7	14.3	17.8
-65°	0.0	1.3	2.5	3.0	3.0	3.5	5.5	7.1	9.4	11.6	13.9
-67.5°	0.0	1.1	2.3	3.0	3.0	3.0	4.3	5.8	7.1	9.2	10.9
-70°	0.0	1.0	2.0	3.0	3.0	3.0	3.1	4.6	5.8	6.7	8.3
-72.5°	0.0	0.9	1.8	2.7	3.0	3.0	3.0	3.3	4.4	5.3	6.0
-75°	0.0	0.8	1.6	2.3	3.0	3.0	3.0	3.0	3.1	4.0	4.6
-77.5°	0.0	0.6	1.3	1.9	2.6	3.0	3.0	3.0	3.0	3.0	3.3
-80°	0.0	0.5	1.0	1.6	2.1	2.6	3.0	3.0	3.0	3.0	3.0
-82.5°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.0	3.0	3.0
-85°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.0	2.3	2.5
-87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
-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):

	-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°	1.2	1.1	1.0	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2
85°	2.4	2.3	2.0	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
82.5°	2.8	2.6	2.6	2.6	2.7	2.9	3.1	3.4	3.6	3.9	4.2
80°	2.9	3.0	3.4	3.9	4.3	4.7	5.2	5.5	5.9	6.5	7.3
77.5°	3.9	4.5	5.1	5.6	6.3	7.5	8.5	9.3	10.3	11.5	12.8
75°	5.3	6.0	7.5	9.2	10.7	11.8	12.9	14.6	16.6	18.8	21.0
72.5°	7.3	9.1	11.1	13.2	15.8	17.9	20.0	22.0	25.2	28.8	31.5
70°	10.0	12.2	15.4	18.8	22.1	24.9	29.0	34.0	38.9	41.5	43.0
67.5°	12.9	16.5	20.4	24.5	29.0	33.7	39.4	44.8	49.9	51.9	53.8
65°	16.7	20.9	25.6	30.7	35.9	41.6	47.4	53.4	58.7	61.4	64.5
62.5°	20.6	25.6	31.0	36.7	42.5	48.6	55.7	61.7	66.3	71.7	78.1
60°	25.4	30.3	36.4	42.8	49.4	58.0	65.1	71.8	77.9	84.1	93.7
57.5°	30.3	35.1	42.0	49.4	58.5	68.3	76.4	83.6	92.1	100.9	110.7
55°	35.8	40.1	47.8	57.0	67.5	79.1	88.6	98.4	108.2	116.1	124.8
52.5°	42.0	45.9	54.0	64.6	76.8	89.8	102.4	112.7	121.8	130.5	140.3
50°	48.6	53.5	60.0	72.7	86.3	101.0	115.4	125.7	136.1	146.3	157.3
47.5°	56.1	61.6	67.1	80.8	96.2	111.3	126.2	139.4	150.8	164.5	177.1
45°	64.4	70.8	76.7	89.4	105.2	120.6	137.1	153.0	169.1	185.2	205.4
42.5°	73.0	80.1	87.7	97.5	113.3	130.4	148.0	169.2	189.6	212.0	238.2
40°	81.5	89.3	98.4	107.3	121.3	140.3	161.8	185.5	214.3	243.4	275.0
37.5°	89.8	98.8	108.5	117.8	130.2	151.5	175.2	205.6	240.2	276.9	317.2
35°	97.9	107.9	117.8	128.7	142.6	163.3	192.6	227.0	268.5	314.9	351.8
32.5°	105.9	116.6	126.7	139.8	156.9	178.2	209.3	252.6	300.6	347.6	372.3
30°	115.8	124.4	135.4	150.3	170.9	197.9	231.8	278.5	333.0	365.1	388.1
27.5°	129.1	132.2	144.7	162.0	185.3	217.4	259.5	308.0	353.1	381.3	401.9
25°	142.2	145.4	153.3	173.8	202.6	240.5	287.7	343.1	369.8	393.7	417.5
22.5°	154.7	158.1	167.9	184.9	219.2	263.9	318.9	367.3	392.8	408.0	433.8
20°	166.5	171.7	183.8	203.5	236.4	286.1	349.1	389.8	414.0	432.2	456.0
17.5°	177.8	185.0	199.9	223.8	260.5	311.1	376.6	412.1	435.8	453.4	482.9
15°	188.7	197.9	215.3	242.7	282.9	337.7	394.9	430.5	456.0	473.3	507.8
12.5°	199.3	210.5	230.1	260.4	303.2	361.1	410.5	442.3	467.8	494.2	529.8
10°	209.6	222.8	244.1	276.7	321.3	381.2	423.4	451.9	477.3	511.0	548.1
7.5°	211.2	228.9	255.6	291.8	337.4	398.2	434.1	459.3	486.9	526.3	564.6
5°	211.2	228.5	256.5	295.7	345.0	408.2	441.6	464.9	496.2	539.9	579.3
2.5°	211.0	227.4	256.7	297.0	346.9	409.2	442.7	466.4	501.5	553.3	592.9
0°	210.7	225.9	256.2	297.1	347.2	407.8	442.7	466.9	504.8	565.4	604.9
-2.5°	211.0	227.4	256.7	297.0	346.9	409.2	442.7	466.4	501.5	553.3	592.9
-5°	211.2	228.5	256.5	295.7	345.0	408.2	441.6	464.9	496.2	539.9	579.3
-7.5°	211.2	228.9	255.6	291.8	337.4	398.2	434.1	459.3	486.9	526.3	564.6
-10°	209.6	222.8	244.1	276.7	321.3	381.2	423.4	451.9	477.3	511.0	548.1
-12.5°	199.3	210.5	230.1	260.4	303.2	361.1	410.5	442.3	467.8	494.2	529.8
-15°	188.7	197.9	215.3	242.7	282.9	337.7	394.9	430.5	456.0	473.3	507.8
-17.5°	177.8	185.0	199.9	223.8	260.5	311.1	376.6	412.1	435.8	453.4	482.9
-20°	166.5	171.7	183.8	203.5	236.4	286.1	349.1	389.8	414.0	432.2	456.0



REPORT NUMBER: P558857 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-930-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	154.7	158.1	167.9	184.9	219.2	263.9	318.9	367.3	392.8	408.0	433.8
-25°	142.2	145.4	153.3	173.8	202.6	240.5	287.7	343.1	369.8	393.7	417.5
-27.5°	129.1	132.2	144.7	162.0	185.3	217.4	259.5	308.0	353.1	381.3	401.9
-30°	115.8	124.4	135.4	150.3	170.9	197.9	231.8	278.5	333.0	365.1	388.1
-32.5°	105.9	116.6	126.7	139.8	156.9	178.2	209.3	252.6	300.6	347.6	372.3
-35°	97.9	107.9	117.8	128.7	142.6	163.3	192.6	227.0	268.5	314.9	351.8
-37.5°	89.8	98.8	108.5	117.8	130.2	151.5	175.2	205.6	240.2	276.9	317.2
-40°	81.5	89.3	98.4	107.3	121.3	140.3	161.8	185.5	214.3	243.4	275.0
-42.5°	73.0	80.1	87.7	97.5	113.3	130.4	148.0	169.2	189.6	212.0	238.2
-45°	64.4	70.8	76.7	89.4	105.2	120.6	137.1	153.0	169.1	185.2	205.4
-47.5°	56.1	61.6	67.1	80.8	96.2	111.3	126.2	139.4	150.8	164.5	177.1
-50°	48.6	53.5	60.0	72.7	86.3	101.0	115.4	125.7	136.1	146.3	157.3
-52.5°	42.0	45.9	54.0	64.6	76.8	89.8	102.4	112.7	121.8	130.5	140.3
-55°	35.8	40.1	47.8	57.0	67.5	79.1	88.6	98.4	108.2	116.1	124.8
-57.5°	30.3	35.1	42.0	49.4	58.5	68.3	76.4	83.6	92.1	100.9	110.7
-60°	25.4	30.3	36.4	42.8	49.4	58.0	65.1	71.8	77.9	84.1	93.7
-62.5°	20.6	25.6	31.0	36.7	42.5	48.6	55.7	61.7	66.3	71.7	78.1
-65°	16.7	20.9	25.6	30.7	35.9	41.6	47.4	53.4	58.7	61.4	64.5
-67.5°	12.9	16.5	20.4	24.5	29.0	33.7	39.4	44.8	49.9	51.9	53.8
-70°	10.0	12.2	15.4	18.8	22.1	24.9	29.0	34.0	38.9	41.5	43.0
-72.5°	7.3	9.1	11.1	13.2	15.8	17.9	20.0	22.0	25.2	28.8	31.5
-75°	5.3	6.0	7.5	9.2	10.7	11.8	12.9	14.6	16.6	18.8	21.0
-77.5°	3.9	4.5	5.1	5.6	6.3	7.5	8.5	9.3	10.3	11.5	12.8
-80°	2.9	3.0	3.4	3.9	4.3	4.7	5.2	5.5	5.9	6.5	7.3
-82.5°	2.8	2.6	2.6	2.6	2.7	2.9	3.1	3.4	3.6	3.9	4.2
-85°	2.4	2.3	2.0	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-87.5°	1.2	1.1	1.0	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2
-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: P558857 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-930-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5
85°	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
82.5°	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.8	5.9	6.0
80°	8.1	8.7	9.2	9.6	9.9	11.0	12.3	13.7	15.2	15.7	16.0
77.5°	14.4	15.5	16.2	16.7	17.0	19.4	22.4	25.6	28.9	30.6	32.0
75°	23.0	24.3	25.1	25.7	26.0	29.6	35.0	40.6	46.5	49.5	51.7
72.5°	33.3	34.4	35.1	35.9	36.3	41.7	51.4	61.9	73.2	80.0	85.0
70°	44.3	45.5	46.5	47.3	48.0	54.4	68.5	83.2	98.5	113.7	129.9
67.5°	56.0	58.6	59.9	60.7	61.5	66.9	81.9	95.8	108.6	136.1	179.5
65°	68.8	74.7	77.1	78.5	79.0	81.5	94.4	105.9	116.3	137.8	170.9
62.5°	85.1	92.8	96.4	98.0	98.9	99.0	109.5	119.2	128.2	141.6	162.6
60°	102.7	111.0	115.4	116.6	117.4	117.7	126.0	135.7	144.6	155.5	175.1
57.5°	118.8	126.6	133.1	135.6	137.6	139.1	146.4	157.7	168.2	179.2	200.3
55°	134.1	143.6	152.6	157.5	162.2	166.3	173.5	187.8	201.3	214.1	236.0
52.5°	150.9	163.0	174.9	183.9	192.7	200.5	208.3	226.7	244.8	261.8	283.1
50°	170.9	185.8	203.3	217.9	230.6	243.0	254.2	276.0	300.5	323.8	346.2
47.5°	196.2	215.9	238.2	259.2	276.3	295.6	313.0	335.5	357.1	378.8	397.3
45°	227.3	254.6	280.3	308.2	332.6	345.3	355.5	369.5	391.7	413.0	430.3
42.5°	267.1	298.9	330.6	351.3	367.0	377.3	384.7	392.0	415.4	435.9	452.6
40°	311.3	343.3	362.8	379.8	390.6	399.8	411.4	422.8	441.1	462.1	480.8
37.5°	349.7	370.2	387.4	400.6	413.8	426.0	442.7	459.1	476.6	500.1	517.4
35°	373.3	391.3	408.8	425.4	442.2	461.1	481.9	506.1	527.4	508.0	479.9
32.5°	391.4	409.8	430.9	456.6	479.8	505.6	531.6	489.7	446.8	430.0	433.5
30°	407.0	428.5	457.5	491.1	523.3	511.8	454.6	434.5	440.5	452.3	474.9
27.5°	423.9	450.6	485.8	527.2	501.8	438.4	441.8	453.4	492.7	526.0	576.5
25°	443.7	476.0	519.8	500.7	442.5	448.6	478.0	522.3	597.0	666.8	727.8
22.5°	467.6	508.8	514.6	442.7	450.5	488.9	548.5	644.5	735.4	819.7	882.6
20°	492.0	539.4	466.5	451.3	485.0	553.6	664.3	774.6	876.0	951.3	1014.3
17.5°	521.1	504.4	452.8	469.0	537.2	655.7	780.3	897.2	992.7	1123.1	1234.1
15°	546.7	470.7	461.1	514.5	617.1	750.4	885.8	990.8	1163.5	1350.3	1539.2
12.5°	532.0	458.7	475.9	555.0	689.9	834.0	953.7	1119.8	1348.4	1621.2	2031.2
10°	510.3	465.4	507.6	611.0	752.3	892.6	1017.0	1234.7	1536.4	2037.5	2683.1
7.5°	493.6	468.3	528.4	654.1	798.6	928.0	1093.8	1357.8	1778.3	2465.8	3840.3
5°	480.8	468.2	538.0	679.0	826.1	952.4	1141.2	1447.4	2015.4	2994.9	5343.6
2.5°	475.2	465.8	540.7	692.4	839.5	966.0	1170.6	1511.7	2165.1	3486.4	7026.5
0°	479.0	460.8	539.7	697.3	847.4	964.1	1174.9	1531.1	2210.3	3667.9	7252.3
-2.5°	475.2	465.8	540.7	692.4	839.5	966.0	1170.6	1511.7	2165.1	3486.4	7026.5
-5°	480.8	468.2	538.0	679.0	826.1	952.4	1141.2	1447.4	2015.4	2994.9	5343.6
-7.5°	493.6	468.3	528.4	654.1	798.6	928.0	1093.8	1357.8	1778.3	2465.8	3840.3
-10°	510.3	465.4	507.6	611.0	752.3	892.6	1017.0	1234.7	1536.4	2037.5	2683.1
-12.5°	532.0	458.7	475.9	555.0	689.9	834.0	953.7	1119.8	1348.4	1621.2	2031.2
-15°	546.7	470.7	461.1	514.5	617.1	750.4	885.8	990.8	1163.5	1350.3	1539.2
-17.5°	521.1	504.4	452.8	469.0	537.2	655.7	780.3	897.2	992.7	1123.1	1234.1
-20°	492.0	539.4	466.5	451.3	485.0	553.6	664.3	774.6	876.0	951.3	1014.3



REPORT NUMBER: P558857 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-930-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	467.6	508.8	514.6	442.7	450.5	488.9	548.5	644.5	735.4	819.7	882.6
-25°	443.7	476.0	519.8	500.7	442.5	448.6	478.0	522.3	597.0	666.8	727.8
-27.5°	423.9	450.6	485.8	527.2	501.8	438.4	441.8	453.4	492.7	526.0	576.5
-30°	407.0	428.5	457.5	491.1	523.3	511.8	454.6	434.5	440.5	452.3	474.9
-32.5°	391.4	409.8	430.9	456.6	479.8	505.6	531.6	489.7	446.8	430.0	433.5
-35°	373.3	391.3	408.8	425.4	442.2	461.1	481.9	506.1	527.4	508.0	479.9
-37.5°	349.7	370.2	387.4	400.6	413.8	426.0	442.7	459.1	476.6	500.1	517.4
-40°	311.3	343.3	362.8	379.8	390.6	399.8	411.4	422.8	441.1	462.1	480.8
-42.5°	267.1	298.9	330.6	351.3	367.0	377.3	384.7	392.0	415.4	435.9	452.6
-45°	227.3	254.6	280.3	308.2	332.6	345.3	355.5	369.5	391.7	413.0	430.3
-47.5°	196.2	215.9	238.2	259.2	276.3	295.6	313.0	335.5	357.1	378.8	397.3
-50°	170.9	185.8	203.3	217.9	230.6	243.0	254.2	276.0	300.5	323.8	346.2
-52.5°	150.9	163.0	174.9	183.9	192.7	200.5	208.3	226.7	244.8	261.8	283.1
-55°	134.1	143.6	152.6	157.5	162.2	166.3	173.5	187.8	201.3	214.1	236.0
-57.5°	118.8	126.6	133.1	135.6	137.6	139.1	146.4	157.7	168.2	179.2	200.3
-60°	102.7	111.0	115.4	116.6	117.4	117.7	126.0	135.7	144.6	155.5	175.1
-62.5°	85.1	92.8	96.4	98.0	98.9	99.0	109.5	119.2	128.2	141.6	162.6
-65°	68.8	74.7	77.1	78.5	79.0	81.5	94.4	105.9	116.3	137.8	170.9
-67.5°	56.0	58.6	59.9	60.7	61.5	66.9	81.9	95.8	108.6	136.1	179.5
-70°	44.3	45.5	46.5	47.3	48.0	54.4	68.5	83.2	98.5	113.7	129.9
-72.5°	33.3	34.4	35.1	35.9	36.3	41.7	51.4	61.9	73.2	80.0	85.0
-75°	23.0	24.3	25.1	25.7	26.0	29.6	35.0	40.6	46.5	49.5	51.7
-77.5°	14.4	15.5	16.2	16.7	17.0	19.4	22.4	25.6	28.9	30.6	32.0
-80°	8.1	8.7	9.2	9.6	9.9	11.0	12.3	13.7	15.2	15.7	16.0
-82.5°	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.8	5.9	6.0
-85°	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
-87.5°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558857 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-930-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
82.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	5.9	5.8	5.7
80°	16.3	16.5	15.9	15.2	15.9	16.5	16.3	16.0	15.7	15.2	13.7
77.5°	33.3	34.5	33.3	31.8	33.3	34.5	33.3	32.0	30.6	28.9	25.6
75°	53.7	55.5	54.5	53.1	54.5	55.5	53.7	51.7	49.5	46.5	40.6
72.5°	89.7	94.1	93.1	91.0	93.1	94.1	89.7	85.0	80.0	73.2	61.9
70°	146.9	164.2	163.5	159.2	163.5	164.2	146.9	129.9	113.7	98.5	83.2
67.5°	226.5	275.4	290.9	298.6	290.9	275.4	226.5	179.5	136.1	108.6	95.8
65°	201.8	231.3	242.9	251.6	242.9	231.3	201.8	170.9	137.8	116.3	105.9
62.5°	181.5	199.0	202.7	203.1	202.7	199.0	181.5	162.6	141.6	128.2	119.2
60°	194.2	212.8	215.6	212.2	215.6	212.8	194.2	175.1	155.5	144.6	135.7
57.5°	220.6	240.0	243.6	239.5	243.6	240.0	220.6	200.3	179.2	168.2	157.7
55°	257.0	276.7	283.2	282.0	283.2	276.7	257.0	236.0	214.1	201.3	187.8
52.5°	303.5	321.7	329.2	329.0	329.2	321.7	303.5	283.1	261.8	244.8	226.7
50°	365.7	381.9	390.0	391.1	390.0	381.9	365.7	346.2	323.8	300.5	276.0
47.5°	410.5	421.2	426.8	427.5	426.8	421.2	410.5	397.3	378.8	357.1	335.5
45°	438.0	443.7	448.1	451.8	448.1	443.7	438.0	430.3	413.0	391.7	369.5
42.5°	463.8	475.8	484.6	486.6	484.6	475.8	463.8	452.6	435.9	415.4	392.0
40°	498.4	515.0	530.8	547.3	530.8	515.0	498.4	480.8	462.1	441.1	422.8
37.5°	535.4	553.8	569.0	577.6	569.0	553.8	535.4	517.4	500.1	476.6	459.1
35°	460.1	448.1	440.9	438.1	440.9	448.1	460.1	479.9	508.0	527.4	506.1
32.5°	435.5	436.3	434.9	432.0	434.9	436.3	435.5	433.5	430.0	446.8	489.7
30°	491.8	499.8	500.7	500.3	500.7	499.8	491.8	474.9	452.3	440.5	434.5
27.5°	613.9	634.4	640.7	653.4	640.7	634.4	613.9	576.5	526.0	492.7	453.4
25°	775.0	805.9	820.7	826.2	820.7	805.9	775.0	727.8	666.8	597.0	522.3
22.5°	918.1	941.7	955.5	967.2	955.5	941.7	918.1	882.6	819.7	735.4	644.5
20°	1087.8	1130.8	1150.6	1152.1	1150.6	1130.8	1087.8	1014.3	951.3	876.0	774.6
17.5°	1352.6	1436.5	1478.4	1490.2	1478.4	1436.5	1352.6	1234.1	1123.1	992.7	897.2
15°	1770.5	1984.5	2094.6	2146.6	2094.6	1984.5	1770.5	1539.2	1350.3	1163.5	990.8
12.5°	2452.2	2934.6	3324.7	3471.5	3324.7	2934.6	2452.2	2031.2	1621.2	1348.4	1119.8
10°	3802.7	5243.4	6926.5	7711.6	6926.5	5243.4	3802.7	2683.1	2037.5	1536.4	1234.7
7.5°	7356.8	17081.1	33106.0	40750.3	33106.0	17081.1	7356.8	3840.3	2465.8	1778.3	1357.8
5°	15681.2	67675.1	121197.6	142356.9	121197.6	67675.1	15681.2	5343.6	2994.9	2015.4	1447.4
2.5°	24976.8	110995.9	209431.5	244886.8	209431.5	110995.9	24976.8	7026.5	3486.4	2165.1	1511.7
0°	29842.2	116969.3	231103.0	266479.9	231103.0	116969.3	29842.2	7252.3	3667.9	2210.3	1531.1
-2.5°	24976.8	110995.9	209431.5	244886.7	209431.5	110995.9	24976.8	7026.5	3486.4	2165.1	1511.7
-5°	15681.2	67675.1	121197.6	142356.9	121197.6	67675.1	15681.2	5343.6	2994.9	2015.4	1447.4
-7.5°	7356.8	17081.1	33106.0	40750.3	33106.0	17081.1	7356.8	3840.3	2465.8	1778.3	1357.8
-10°	3802.7	5243.4	6926.5	7711.6	6926.5	5243.4	3802.7	2683.1	2037.5	1536.4	1234.7
-12.5°	2452.2	2934.6	3324.7	3471.5	3324.7	2934.6	2452.2	2031.2	1621.2	1348.4	1119.8
-15°	1770.5	1984.5	2094.6	2146.6	2094.6	1984.5	1770.5	1539.2	1350.3	1163.5	990.8
-17.5°	1352.6	1436.5	1478.4	1490.2	1478.4	1436.5	1352.6	1234.1	1123.1	992.7	897.2
-20°	1087.8	1130.8	1150.6	1152.1	1150.6	1130.8	1087.8	1014.3	951.3	876.0	774.6



REPORT NUMBER: P558857 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-930-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	918.1	941.7	955.5	967.2	955.5	941.7	918.1	882.6	819.7	735.4	644.5
-25°	775.0	805.9	820.7	826.2	820.7	805.9	775.0	727.8	666.8	597.0	522.3
-27.5°	613.9	634.4	640.7	653.4	640.7	634.4	613.9	576.5	526.0	492.7	453.4
-30°	491.8	499.8	500.7	500.3	500.7	499.8	491.8	474.9	452.3	440.5	434.5
-32.5°	435.5	436.3	434.9	432.0	434.9	436.3	435.5	433.5	430.0	446.8	489.7
-35°	460.1	448.1	440.9	438.1	440.9	448.1	460.1	479.9	508.0	527.4	506.1
-37.5°	535.4	553.8	569.0	577.6	569.0	553.8	535.4	517.4	500.1	476.6	459.1
-40°	498.4	515.0	530.8	547.3	530.8	515.0	498.4	480.8	462.1	441.1	422.8
-42.5°	463.8	475.8	484.6	486.6	484.6	475.8	463.8	452.6	435.9	415.4	392.0
-45°	438.0	443.7	448.1	451.8	448.1	443.7	438.0	430.3	413.0	391.7	369.5
-47.5°	410.5	421.2	426.8	427.5	426.8	421.2	410.5	397.3	378.8	357.1	335.5
-50°	365.7	381.9	390.0	391.1	390.0	381.9	365.7	346.2	323.8	300.5	276.0
-52.5°	303.5	321.7	329.2	329.0	329.2	321.7	303.5	283.1	261.8	244.8	226.7
-55°	257.0	276.7	283.2	282.0	283.2	276.7	257.0	236.0	214.1	201.3	187.8
-57.5°	220.6	240.0	243.6	239.5	243.6	240.0	220.6	200.3	179.2	168.2	157.7
-60°	194.2	212.8	215.6	212.2	215.6	212.8	194.2	175.1	155.5	144.6	135.7
-62.5°	181.5	199.0	202.7	203.1	202.7	199.0	181.5	162.6	141.6	128.2	119.2
-65°	201.8	231.3	242.9	251.6	242.9	231.3	201.8	170.9	137.8	116.3	105.9
-67.5°	226.5	275.4	290.9	298.6	290.9	275.4	226.5	179.5	136.1	108.6	95.8
-70°	146.9	164.2	163.5	159.2	163.5	164.2	146.9	129.9	113.7	98.5	83.2
-72.5°	89.7	94.1	93.1	91.0	93.1	94.1	89.7	85.0	80.0	73.2	61.9
-75°	53.7	55.5	54.5	53.1	54.5	55.5	53.7	51.7	49.5	46.5	40.6
-77.5°	33.3	34.5	33.3	31.8	33.3	34.5	33.3	32.0	30.6	28.9	25.6
-80°	16.3	16.5	15.9	15.2	15.9	16.5	16.3	16.0	15.7	15.2	13.7
-82.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	5.9	5.8	5.7
-85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
-87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
-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: P558857 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-930-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1
85°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
82.5°	5.5	5.4	5.2	5.0	4.8	4.6	4.4	4.2	3.9	3.6	3.4
80°	12.3	11.0	9.9	9.6	9.2	8.7	8.1	7.3	6.5	5.9	5.5
77.5°	22.4	19.4	17.0	16.7	16.2	15.5	14.4	12.8	11.5	10.3	9.3
75°	35.0	29.6	26.0	25.7	25.1	24.3	23.0	21.0	18.8	16.6	14.6
72.5°	51.4	41.7	36.3	35.9	35.1	34.4	33.3	31.5	28.8	25.2	22.0
70°	68.5	54.4	48.0	47.3	46.5	45.5	44.3	43.0	41.5	38.9	34.0
67.5°	81.9	66.9	61.5	60.7	59.9	58.6	56.0	53.8	51.9	49.9	44.8
65°	94.4	81.5	79.0	78.5	77.1	74.7	68.8	64.5	61.4	58.7	53.4
62.5°	109.5	99.0	98.9	98.0	96.4	92.8	85.1	78.1	71.7	66.3	61.7
60°	126.0	117.7	117.4	116.6	115.4	111.0	102.7	93.7	84.1	77.9	71.8
57.5°	146.4	139.1	137.6	135.6	133.1	126.6	118.8	110.7	100.9	92.1	83.6
55°	173.5	166.3	162.2	157.5	152.6	143.6	134.1	124.8	116.1	108.2	98.4
52.5°	208.3	200.5	192.7	183.9	174.9	163.0	150.9	140.3	130.5	121.8	112.7
50°	254.2	243.0	230.6	217.9	203.3	185.8	170.9	157.3	146.3	136.1	125.7
47.5°	313.0	295.6	276.3	259.2	238.2	215.9	196.2	177.1	164.5	150.8	139.4
45°	355.5	345.3	332.6	308.2	280.3	254.6	227.3	205.4	185.2	169.1	153.0
42.5°	384.7	377.3	367.0	351.3	330.6	298.9	267.1	238.2	212.0	189.6	169.2
40°	411.4	399.8	390.6	379.8	362.8	343.3	311.3	275.0	243.4	214.3	185.5
37.5°	442.7	426.0	413.8	400.6	387.4	370.2	349.7	317.2	276.9	240.2	205.6
35°	481.9	461.1	442.2	425.4	408.8	391.3	373.3	351.8	314.9	268.5	227.0
32.5°	531.6	505.6	479.8	456.6	430.9	409.8	391.4	372.3	347.6	300.6	252.6
30°	454.6	511.8	523.3	491.1	457.5	428.5	407.0	388.1	365.1	333.0	278.5
27.5°	441.8	438.4	501.8	527.2	485.8	450.6	423.9	401.9	381.3	353.1	308.0
25°	478.0	448.6	442.5	500.7	519.8	476.0	443.7	417.5	393.7	369.8	343.1
22.5°	548.5	488.9	450.5	442.7	514.6	508.8	467.6	433.8	408.0	392.8	367.3
20°	664.3	553.6	485.0	451.3	466.5	539.4	492.0	456.0	432.2	414.0	389.8
17.5°	780.3	655.7	537.2	469.0	452.8	504.4	521.1	482.9	453.4	435.8	412.1
15°	885.8	750.4	617.1	514.5	461.1	470.7	546.7	507.8	473.3	456.0	430.5
12.5°	953.7	834.0	689.9	555.0	475.9	458.7	532.0	529.8	494.2	467.8	442.3
10°	1017.0	892.6	752.3	611.0	507.6	465.4	510.3	548.1	511.0	477.3	451.9
7.5°	1093.8	928.0	798.6	654.1	528.4	468.3	493.6	564.6	526.3	486.9	459.3
5°	1141.2	952.4	826.1	679.0	538.0	468.2	480.8	579.3	539.9	496.2	464.9
2.5°	1170.6	966.0	839.5	692.4	540.7	465.8	475.2	592.9	553.3	501.5	466.4
0°	1174.9	964.1	847.4	697.3	539.7	460.8	479.0	604.9	565.4	504.8	466.9
-2.5°	1170.6	966.0	839.5	692.4	540.7	465.8	475.2	592.9	553.3	501.5	466.4
-5°	1141.2	952.4	826.1	679.0	538.0	468.2	480.8	579.3	539.9	496.2	464.9
-7.5°	1093.8	928.0	798.6	654.1	528.4	468.3	493.6	564.6	526.3	486.9	459.3
-10°	1017.0	892.6	752.3	611.0	507.6	465.4	510.3	548.1	511.0	477.3	451.9
-12.5°	953.7	834.0	689.9	555.0	475.9	458.7	532.0	529.8	494.2	467.8	442.3
-15°	885.8	750.4	617.1	514.5	461.1	470.7	546.7	507.8	473.3	456.0	430.5
-17.5°	780.3	655.7	537.2	469.0	452.8	504.4	521.1	482.9	453.4	435.8	412.1
-20°	664.3	553.6	485.0	451.3	466.5	539.4	492.0	456.0	432.2	414.0	389.8



REPORT NUMBER: P558857 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-930-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	548.5	488.9	450.5	442.7	514.6	508.8	467.6	433.8	408.0	392.8	367.3
-25°	478.0	448.6	442.5	500.7	519.8	476.0	443.7	417.5	393.7	369.8	343.1
-27.5°	441.8	438.4	501.8	527.2	485.8	450.6	423.9	401.9	381.3	353.1	308.0
-30°	454.6	511.8	523.3	491.1	457.5	428.5	407.0	388.1	365.1	333.0	278.5
-32.5°	531.6	505.6	479.8	456.6	430.9	409.8	391.4	372.3	347.6	300.6	252.6
-35°	481.9	461.1	442.2	425.4	408.8	391.3	373.3	351.8	314.9	268.5	227.0
-37.5°	442.7	426.0	413.8	400.6	387.4	370.2	349.7	317.2	276.9	240.2	205.6
-40°	411.4	399.8	390.6	379.8	362.8	343.3	311.3	275.0	243.4	214.3	185.5
-42.5°	384.7	377.3	367.0	351.3	330.6	298.9	267.1	238.2	212.0	189.6	169.2
-45°	355.5	345.3	332.6	308.2	280.3	254.6	227.3	205.4	185.2	169.1	153.0
-47.5°	313.0	295.6	276.3	259.2	238.2	215.9	196.2	177.1	164.5	150.8	139.4
-50°	254.2	243.0	230.6	217.9	203.3	185.8	170.9	157.3	146.3	136.1	125.7
-52.5°	208.3	200.5	192.7	183.9	174.9	163.0	150.9	140.3	130.5	121.8	112.7
-55°	173.5	166.3	162.2	157.5	152.6	143.6	134.1	124.8	116.1	108.2	98.4
-57.5°	146.4	139.1	137.6	135.6	133.1	126.6	118.8	110.7	100.9	92.1	83.6
-60°	126.0	117.7	117.4	116.6	115.4	111.0	102.7	93.7	84.1	77.9	71.8
-62.5°	109.5	99.0	98.9	98.0	96.4	92.8	85.1	78.1	71.7	66.3	61.7
-65°	94.4	81.5	79.0	78.5	77.1	74.7	68.8	64.5	61.4	58.7	53.4
-67.5°	81.9	66.9	61.5	60.7	59.9	58.6	56.0	53.8	51.9	49.9	44.8
-70°	68.5	54.4	48.0	47.3	46.5	45.5	44.3	43.0	41.5	38.9	34.0
-72.5°	51.4	41.7	36.3	35.9	35.1	34.4	33.3	31.5	28.8	25.2	22.0
-75°	35.0	29.6	26.0	25.7	25.1	24.3	23.0	21.0	18.8	16.6	14.6
-77.5°	22.4	19.4	17.0	16.7	16.2	15.5	14.4	12.8	11.5	10.3	9.3
-80°	12.3	11.0	9.9	9.6	9.2	8.7	8.1	7.3	6.5	5.9	5.5
-82.5°	5.5	5.4	5.2	5.0	4.8	4.6	4.4	4.2	3.9	3.6	3.4
-85°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
-87.5°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558857 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-930-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	0.9	0.9	1.0	1.1	1.2	1.3	1.1	1.0	0.9
85°	2.0	1.9	1.8	1.7	2.0	2.3	2.4	2.5	2.3	2.0	1.8
82.5°	3.1	2.9	2.7	2.6	2.6	2.6	2.8	3.0	3.0	3.0	2.7
80°	5.2	4.7	4.3	3.9	3.4	3.0	2.9	3.0	3.0	3.0	3.0
77.5°	8.5	7.5	6.3	5.6	5.1	4.5	3.9	3.3	3.0	3.0	3.0
75°	12.9	11.8	10.7	9.2	7.5	6.0	5.3	4.6	4.0	3.1	3.0
72.5°	20.0	17.9	15.8	13.2	11.1	9.1	7.3	6.0	5.3	4.4	3.3
70°	29.0	24.9	22.1	18.8	15.4	12.2	10.0	8.3	6.7	5.8	4.6
67.5°	39.4	33.7	29.0	24.5	20.4	16.5	12.9	10.9	9.2	7.1	5.8
65°	47.4	41.6	35.9	30.7	25.6	20.9	16.7	13.9	11.6	9.4	7.1
62.5°	55.7	48.6	42.5	36.7	31.0	25.6	20.6	17.8	14.3	11.7	9.0
60°	65.1	58.0	49.4	42.8	36.4	30.3	25.4	21.8	18.1	14.0	11.0
57.5°	76.4	68.3	58.5	49.4	42.0	35.1	30.3	26.4	22.0	17.3	13.1
55°	88.6	79.1	67.5	57.0	47.8	40.1	35.8	31.3	26.0	20.8	15.4
52.5°	102.4	89.8	76.8	64.6	54.0	45.9	42.0	36.3	30.7	24.4	18.8
50°	115.4	101.0	86.3	72.7	60.0	53.5	48.6	42.4	35.4	28.1	22.4
47.5°	126.2	111.3	96.2	80.8	67.1	61.6	56.1	48.9	40.2	32.5	26.2
45°	137.1	120.6	105.2	89.4	76.7	70.8	64.4	55.5	46.3	37.6	30.1
42.5°	148.0	130.4	113.3	97.5	87.7	80.1	73.0	63.3	52.5	43.1	34.5
40°	161.8	140.3	121.3	107.3	98.4	89.3	81.5	71.6	58.9	49.0	39.4
37.5°	175.2	151.5	130.2	117.8	108.5	98.8	89.8	80.1	67.1	55.8	44.4
35°	192.6	163.3	142.6	128.7	117.8	107.9	97.9	88.4	76.4	62.7	49.4
32.5°	209.3	178.2	156.9	139.8	126.7	116.6	105.9	98.8	86.2	69.6	54.5
30°	231.8	197.9	170.9	150.3	135.4	124.4	115.8	110.6	96.2	76.6	59.9
27.5°	259.5	217.4	185.3	162.0	144.7	132.2	129.1	123.5	106.6	84.2	65.6
25°	287.7	240.5	202.6	173.8	153.3	145.4	142.2	137.4	117.4	92.7	71.3
22.5°	318.9	263.9	219.2	184.9	167.9	158.1	154.7	149.3	128.7	101.1	76.8
20°	349.1	286.1	236.4	203.5	183.8	171.7	166.5	160.9	140.6	109.6	82.2
17.5°	376.6	311.1	260.5	223.8	199.9	185.0	177.8	172.4	152.7	117.9	87.5
15°	394.9	337.7	282.9	242.7	215.3	197.9	188.7	183.6	165.0	126.0	91.3
12.5°	410.5	361.1	303.2	260.4	230.1	210.5	199.3	194.6	177.3	131.3	93.2
10°	423.4	381.2	321.3	276.7	244.1	222.8	209.6	202.3	182.0	133.9	95.0
7.5°	434.1	398.2	337.4	291.8	255.6	228.9	211.2	203.7	184.9	135.9	96.4
5°	441.6	408.2	345.0	295.7	256.5	228.5	211.2	204.8	186.8	137.3	97.5
2.5°	442.7	409.2	346.9	297.0	256.7	227.4	211.0	205.7	187.9	138.0	98.2
0°	442.7	407.8	347.2	297.1	256.2	225.9	210.7	206.2	188.0	138.0	98.5
-2.5°	442.7	409.2	346.9	297.0	256.7	227.4	211.0	205.7	187.9	138.0	98.2
-5°	441.6	408.2	345.0	295.7	256.5	228.5	211.2	204.8	186.8	137.3	97.5
-7.5°	434.1	398.2	337.4	291.8	255.6	228.9	211.2	203.7	184.9	135.9	96.4
-10°	423.4	381.2	321.3	276.7	244.1	222.8	209.6	202.3	182.0	133.9	95.0
-12.5°	410.5	361.1	303.2	260.4	230.1	210.5	199.3	194.6	177.3	131.3	93.2
-15°	394.9	337.7	282.9	242.7	215.3	197.9	188.7	183.6	165.0	126.0	91.3
-17.5°	376.6	311.1	260.5	223.8	199.9	185.0	177.8	172.4	152.7	117.9	87.5
-20°	349.1	286.1	236.4	203.5	183.8	171.7	166.5	160.9	140.6	109.6	82.2



REPORT NUMBER: P558857 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-930-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	318.9	263.9	219.2	184.9	167.9	158.1	154.7	149.3	128.7	101.1	76.8
-25°	287.7	240.5	202.6	173.8	153.3	145.4	142.2	137.4	117.4	92.7	71.3
-27.5°	259.5	217.4	185.3	162.0	144.7	132.2	129.1	123.5	106.6	84.2	65.6
-30°	231.8	197.9	170.9	150.3	135.4	124.4	115.8	110.6	96.2	76.6	59.9
-32.5°	209.3	178.2	156.9	139.8	126.7	116.6	105.9	98.8	86.2	69.6	54.5
-35°	192.6	163.3	142.6	128.7	117.8	107.9	97.9	88.4	76.4	62.7	49.4
-37.5°	175.2	151.5	130.2	117.8	108.5	98.8	89.8	80.1	67.1	55.8	44.4
-40°	161.8	140.3	121.3	107.3	98.4	89.3	81.5	71.6	58.9	49.0	39.4
-42.5°	148.0	130.4	113.3	97.5	87.7	80.1	73.0	63.3	52.5	43.1	34.5
-45°	137.1	120.6	105.2	89.4	76.7	70.8	64.4	55.5	46.3	37.6	30.1
-47.5°	126.2	111.3	96.2	80.8	67.1	61.6	56.1	48.9	40.2	32.5	26.2
-50°	115.4	101.0	86.3	72.7	60.0	53.5	48.6	42.4	35.4	28.1	22.4
-52.5°	102.4	89.8	76.8	64.6	54.0	45.9	42.0	36.3	30.7	24.4	18.8
-55°	88.6	79.1	67.5	57.0	47.8	40.1	35.8	31.3	26.0	20.8	15.4
-57.5°	76.4	68.3	58.5	49.4	42.0	35.1	30.3	26.4	22.0	17.3	13.1
-60°	65.1	58.0	49.4	42.8	36.4	30.3	25.4	21.8	18.1	14.0	11.0
-62.5°	55.7	48.6	42.5	36.7	31.0	25.6	20.6	17.8	14.3	11.7	9.0
-65°	47.4	41.6	35.9	30.7	25.6	20.9	16.7	13.9	11.6	9.4	7.1
-67.5°	39.4	33.7	29.0	24.5	20.4	16.5	12.9	10.9	9.2	7.1	5.8
-70°	29.0	24.9	22.1	18.8	15.4	12.2	10.0	8.3	6.7	5.8	4.6
-72.5°	20.0	17.9	15.8	13.2	11.1	9.1	7.3	6.0	5.3	4.4	3.3
-75°	12.9	11.8	10.7	9.2	7.5	6.0	5.3	4.6	4.0	3.1	3.0
-77.5°	8.5	7.5	6.3	5.6	5.1	4.5	3.9	3.3	3.0	3.0	3.0
-80°	5.2	4.7	4.3	3.9	3.4	3.0	2.9	3.0	3.0	3.0	3.0
-82.5°	3.1	2.9	2.7	2.6	2.6	2.6	2.8	3.0	3.0	3.0	2.7
-85°	2.0	1.9	1.8	1.7	2.0	2.3	2.4	2.5	2.3	2.0	1.8
-87.5°	1.0	1.0	0.9	0.9	1.0	1.1	1.2	1.3	1.1	1.0	0.9
-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°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
85°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
82.5°	2.3	1.9	1.6	1.2	0.8	0.4	0.0
80°	3.0	2.6	2.1	1.6	1.0	0.5	0.0
77.5°	3.0	3.0	2.6	1.9	1.3	0.6	0.0
75°	3.0	3.0	3.0	2.3	1.6	0.8	0.0
72.5°	3.0	3.0	3.0	2.7	1.8	0.9	0.0
70°	3.1	3.0	3.0	3.0	2.0	1.0	0.0
67.5°	4.3	3.0	3.0	3.0	2.3	1.1	0.0
65°	5.5	3.5	3.0	3.0	2.5	1.3	0.0
62.5°	6.6	4.5	3.0	3.0	2.8	1.4	0.0
60°	7.8	5.5	3.0	3.0	3.0	1.5	0.0
57.5°	9.7	6.5	3.8	3.0	3.0	1.6	0.0
55°	11.8	7.5	4.6	3.0	3.0	1.7	0.0
52.5°	13.9	8.7	5.4	3.0	3.1	1.8	0.0
50°	16.1	10.6	6.2	3.0	3.1	1.9	0.0
47.5°	18.5	12.5	7.0	3.1	3.1	2.0	0.0
45°	21.9	14.4	7.7	3.7	3.2	2.1	0.0
42.5°	25.3	16.3	8.5	4.3	3.2	2.2	0.0
40°	28.8	18.2	9.6	4.8	3.3	2.3	0.0
37.5°	32.4	20.1	11.1	5.3	3.3	2.4	0.0
35°	35.9	22.6	12.5	5.8	3.4	2.5	0.0
32.5°	39.6	25.4	14.0	6.2	3.5	2.5	0.0
30°	43.8	28.2	15.3	6.6	3.5	2.6	0.0
27.5°	47.8	30.8	16.2	6.9	3.6	2.7	0.0
25°	51.9	33.4	16.9	7.1	3.7	2.7	0.0
22.5°	55.8	35.5	17.5	7.4	3.8	2.8	0.0
20°	59.6	36.3	17.9	7.5	3.9	2.8	0.0
17.5°	61.7	36.7	18.1	7.7	4.0	2.9	0.0
15°	62.4	37.0	18.3	7.7	4.0	2.9	0.0
12.5°	62.8	36.9	18.3	7.8	4.1	2.9	0.0
10°	63.0	36.6	18.1	7.8	4.2	3.0	0.0
7.5°	62.8	36.1	17.9	7.8	4.3	3.0	0.0
5°	62.4	35.4	17.6	7.8	4.4	3.0	0.0
2.5°	61.7	34.5	17.2	7.7	4.4	3.0	0.0
0°	60.6	33.4	16.7	7.6	4.5	3.0	0.0
-2.5°	61.7	34.5	17.2	7.7	4.4	3.0	0.0
-5°	62.4	35.4	17.6	7.8	4.4	3.0	0.0
-7.5°	62.8	36.1	17.9	7.8	4.3	3.0	0.0
-10°	63.0	36.6	18.1	7.8	4.2	3.0	0.0
-12.5°	62.8	36.9	18.3	7.8	4.1	2.9	0.0
-15°	62.4	37.0	18.3	7.7	4.0	2.9	0.0
-17.5°	61.7	36.7	18.1	7.7	4.0	2.9	0.0
-20°	59.6	36.3	17.9	7.5	3.9	2.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	55.8	35.5	17.5	7.4	3.8	2.8	0.0
-25°	51.9	33.4	16.9	7.1	3.7	2.7	0.0
-27.5°	47.8	30.8	16.2	6.9	3.6	2.7	0.0
-30°	43.8	28.2	15.3	6.6	3.5	2.6	0.0
-32.5°	39.6	25.4	14.0	6.2	3.5	2.5	0.0
-35°	35.9	22.6	12.5	5.8	3.4	2.5	0.0
-37.5°	32.4	20.1	11.1	5.3	3.3	2.4	0.0
-40°	28.8	18.2	9.6	4.8	3.3	2.3	0.0
-42.5°	25.3	16.3	8.5	4.3	3.2	2.2	0.0
-45°	21.9	14.4	7.7	3.7	3.2	2.1	0.0
-47.5°	18.5	12.5	7.0	3.1	3.1	2.0	0.0
-50°	16.1	10.6	6.2	3.0	3.1	1.9	0.0
-52.5°	13.9	8.7	5.4	3.0	3.1	1.8	0.0
-55°	11.8	7.5	4.6	3.0	3.0	1.7	0.0
-57.5°	9.7	6.5	3.8	3.0	3.0	1.6	0.0
-60°	7.8	5.5	3.0	3.0	3.0	1.5	0.0
-62.5°	6.6	4.5	3.0	3.0	2.8	1.4	0.0
-65°	5.5	3.5	3.0	3.0	2.5	1.3	0.0
-67.5°	4.3	3.0	3.0	3.0	2.3	1.1	0.0
-70°	3.1	3.0	3.0	3.0	2.0	1.0	0.0
-72.5°	3.0	3.0	3.0	2.7	1.8	0.9	0.0
-75°	3.0	3.0	3.0	2.3	1.6	0.8	0.0
-77.5°	3.0	3.0	2.6	1.9	1.3	0.6	0.0
-80°	3.0	2.6	2.1	1.6	1.0	0.5	0.0
-82.5°	2.3	1.9	1.6	1.2	0.8	0.4	0.0
-85°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
-87.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)