

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: P559083 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-930-U-WR-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559083 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA5D-930-U-WR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6
Light Source: (80) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

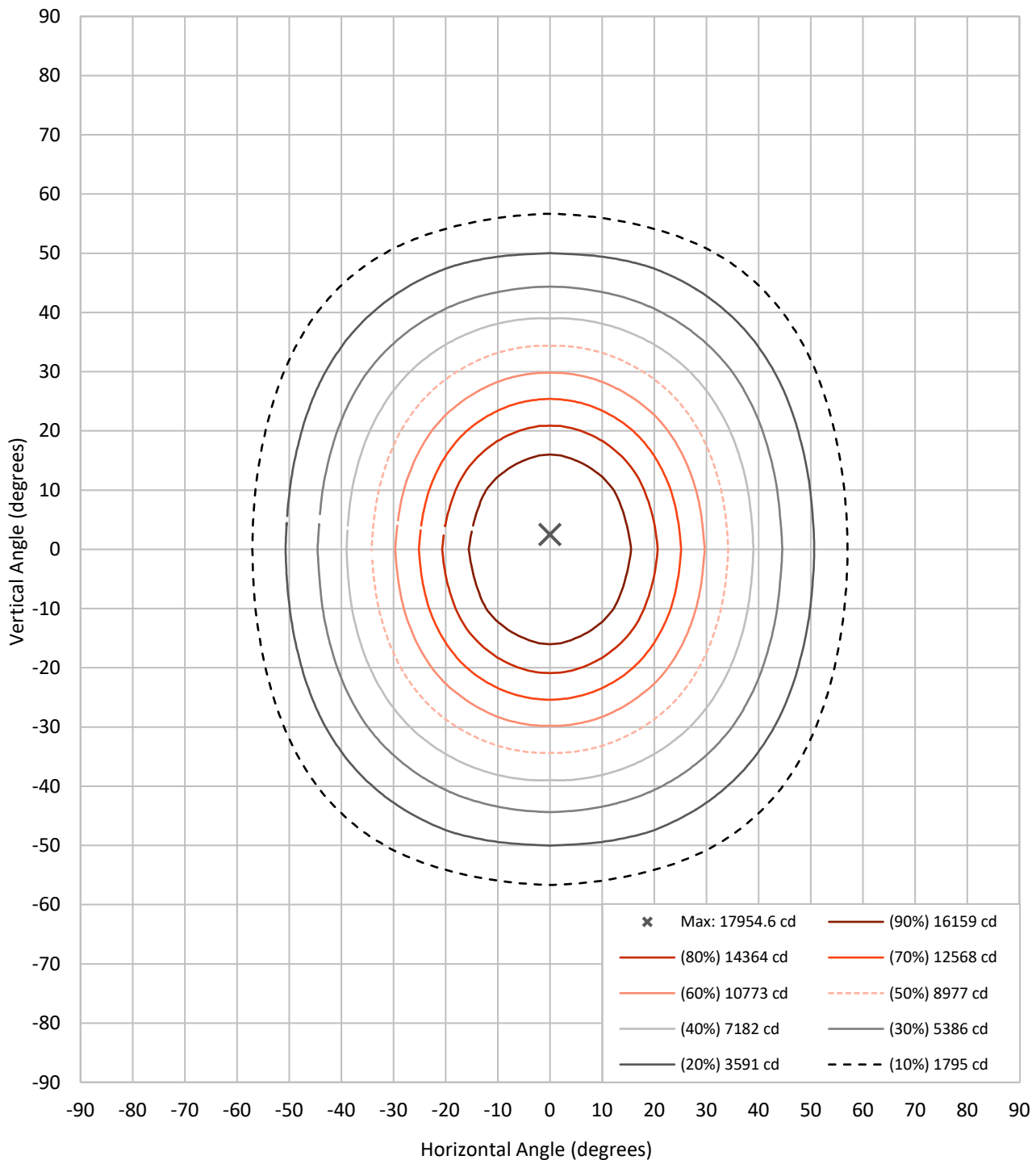
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	24299.9 lumens	Max Intensity:	17954.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	91.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	68°H x 68.7°V	Field Angle (10%):	114°H x 113.4°V
Beam Lumens:	14569.5 lumens	Field Lumens:	23212.9 lumens
Beam Efficiency:	60.0%	Field Efficiency:	95.5%

Input Watts (W): 266
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: P559083 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





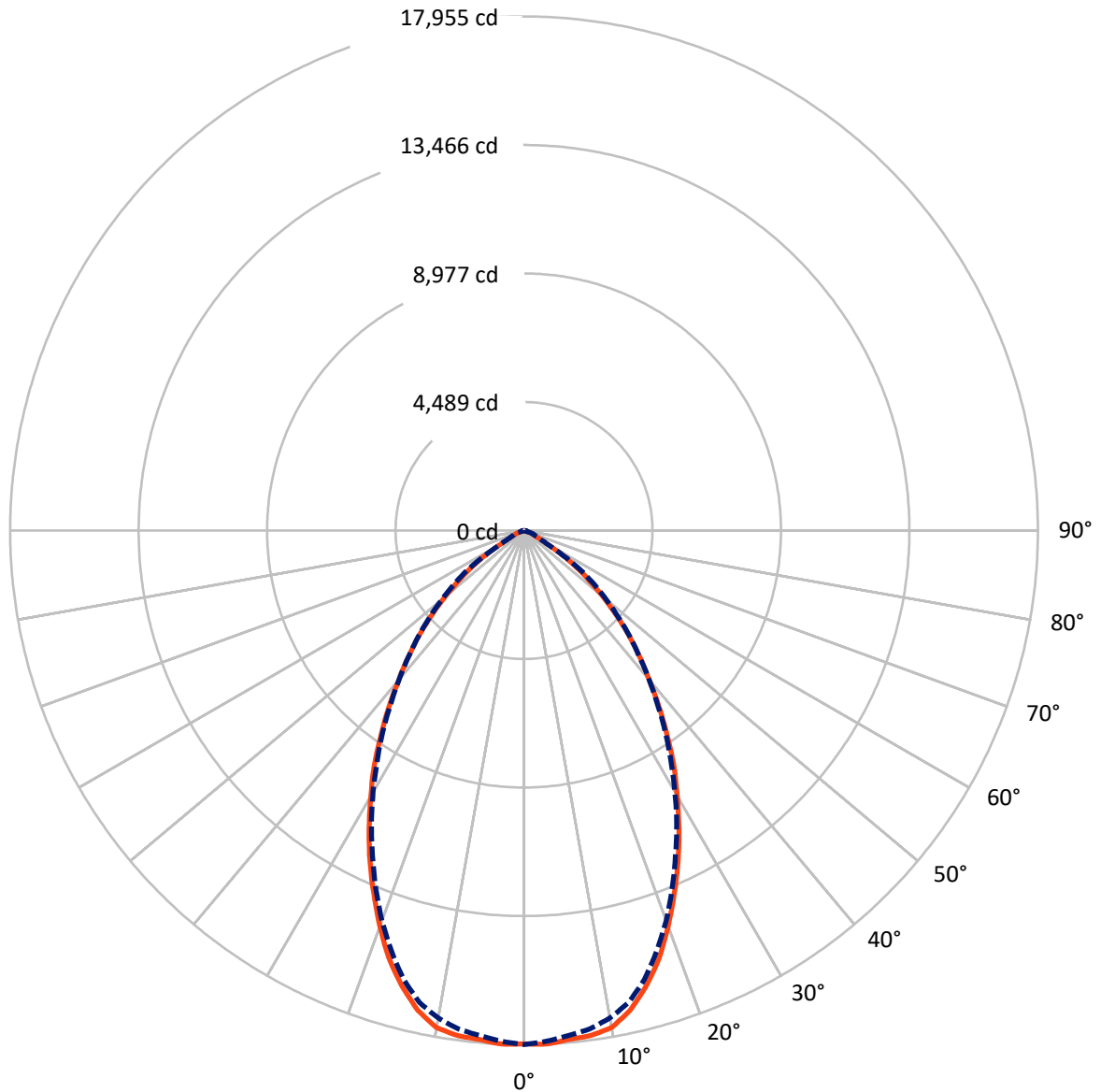
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Lumen Table

90																			
80	0.2	2.3		5.8		10.2		7.1		10.2		5.8		2.3		0.2			
70																			
60	1.1	1.7	3.2	5.2	7.5	9.8	12.1	13.6	13.6	12.1	9.8	7.5	5.2	3.2	1.7	1.1			
50		2.7	5.4	9.8	18.9	36.5	54.8	65.6	65.6	54.8	36.5	18.9	9.8	5.4	2.7				
40	1.9	3.5	8.0	23.3	61.3	101.9	135.5	154.5	154.5	135.5	101.9	61.3	23.3	8.0	3.5	1.9			
30		4.3	13.7	53.7	110.0	171.7	227.5	261.0	261.0	227.5	171.7	110.0	53.7	13.7	4.3				
20	2.1	5.2	24.9	81.1	156.0	244.2	326.4	378.1	378.1	326.4	244.2	156.0	81.1	24.9	5.2	2.1			
10		6.1	35.5	101.0	192.3	305.1	415.5	485.4	485.4	415.5	305.1	192.3	101.0	35.5	6.1				
0	2.2	6.7	41.4	111.6	212.7	340.9	466.8	533.6	533.6	466.8	340.9	212.7	111.6	41.4	6.7	2.2			
-10		6.7	41.4	111.6	212.7	340.9	466.8	533.6	533.6	466.8	340.9	212.7	111.6	41.4	6.7				
-20	2.1	6.1	35.5	101.0	192.3	305.1	415.5	485.4	485.4	415.5	305.1	192.3	101.0	35.5	6.1	2.1			
-30		5.2	24.9	81.1	156.0	244.2	326.4	378.1	378.1	326.4	244.2	156.0	81.1	24.9	5.2				
-40	1.9	4.3	13.7	53.7	110.0	171.7	227.5	261.0	261.0	227.5	171.7	110.0	53.7	13.7	4.3	1.9			
-50		3.5	8.0	23.3	61.3	101.9	135.5	154.5	154.5	135.5	101.9	61.3	23.3	8.0	3.5				
-60	1.1	2.7	5.4	9.8	18.9	36.5	54.8	65.6	65.6	54.8	36.5	18.9	9.8	5.4	2.7	1.1			
-70		1.7	3.2	5.2	7.5	9.8	12.1	13.6	13.6	12.1	9.8	7.5	5.2	3.2	1.7				
-80	0.2	2.3		5.8		10.2		7.1		10.2		5.8		2.3		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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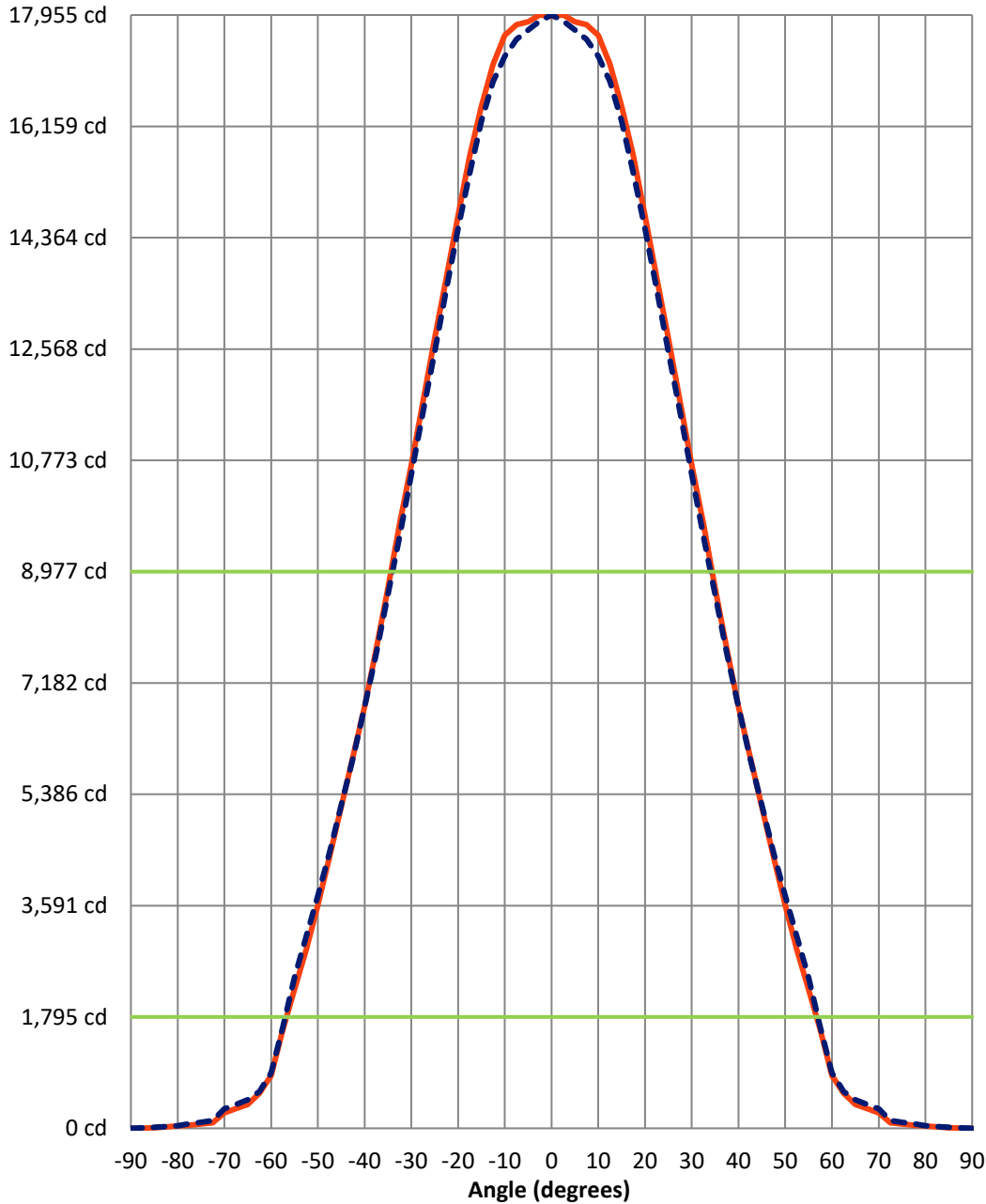
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 68°
V Angle: 68.7°
Lumens: 14569.5
Efficiency: 60.0%

Field:
H Angle: 114°
V Angle: 113.4°
Lumens: 23212.9
Efficiency: 95.5%

Spill:
Lumens: 1087
Efficiency: 4.5%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 2.5-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	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.7	5.3	5.8
82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.3	6.2	7.4	10.2	13.0
80°	0.0	1.2	2.4	3.6	4.8	5.9	7.5	11.1	14.8	18.7	22.6
77.5°	0.0	1.5	3.0	4.5	5.9	8.2	12.7	17.4	22.2	27.1	33.8
75°	0.0	1.8	3.6	5.3	7.3	11.9	17.8	23.6	29.9	40.0	49.9
72.5°	0.0	2.1	4.1	6.2	9.8	15.4	22.6	31.0	42.8	54.4	65.8
70°	0.0	2.4	4.7	7.2	12.1	18.8	27.9	42.2	55.5	68.8	87.7
67.5°	0.0	2.6	5.3	8.6	14.3	22.1	36.3	53.2	68.1	88.0	110.3
65°	0.0	2.9	5.8	9.9	16.5	26.4	44.3	64.0	83.6	106.4	131.7
62.5°	0.0	3.2	6.4	11.2	18.5	31.6	51.7	75.7	98.4	124.5	152.1
60°	0.0	3.4	6.9	12.4	20.3	36.4	58.4	87.3	112.5	144.0	172.6
57.5°	0.0	3.7	7.6	13.5	23.2	40.7	65.2	97.8	129.6	163.5	189.8
55°	0.0	4.0	8.3	14.5	25.8	44.6	71.3	105.9	147.5	181.8	205.4
52.5°	0.0	4.2	8.9	15.5	28.0	48.0	76.5	117.9	165.4	196.1	220.9
50°	0.0	4.4	9.5	16.3	30.0	51.2	80.9	129.2	181.7	210.4	237.3
47.5°	0.0	4.7	10.2	17.1	31.6	53.7	84.9	138.9	194.4	224.5	252.8
45°	0.0	4.9	10.7	18.0	32.9	55.6	91.8	147.2	199.9	237.3	267.2
42.5°	0.0	5.1	11.3	18.7	33.8	56.9	97.5	151.8	203.5	249.2	283.1
40°	0.0	5.3	11.8	19.6	34.4	57.5	102.1	153.6	205.6	259.2	298.8
37.5°	0.0	5.5	12.3	20.5	34.7	57.5	105.6	154.1	207.8	263.6	314.1
35°	0.0	5.7	12.8	21.4	34.5	58.8	107.8	153.3	210.0	273.2	329.2
32.5°	0.0	5.8	13.3	22.3	34.0	60.4	108.3	151.2	212.1	285.5	344.3
30°	0.0	6.0	13.7	23.1	33.2	61.2	106.3	149.0	214.1	300.2	358.6
27.5°	0.0	6.1	14.1	23.8	34.0	61.2	103.4	149.4	219.4	317.0	372.0
25°	0.0	6.3	14.5	24.5	35.1	60.5	99.6	149.5	230.7	330.3	384.8
22.5°	0.0	6.4	14.8	25.1	36.0	60.5	95.1	149.1	242.7	340.4	401.0
20°	0.0	6.5	15.1	25.6	36.9	63.4	89.8	148.3	255.1	349.6	415.4
17.5°	0.0	6.6	15.3	26.1	37.8	65.9	88.9	146.9	267.6	357.9	428.0
15°	0.0	6.7	15.6	26.5	38.6	68.0	90.6	146.2	279.7	365.2	438.8
12.5°	0.0	6.7	15.8	26.9	39.3	69.8	92.3	145.2	290.4	371.5	447.7
10°	0.0	6.8	15.9	27.2	39.9	71.3	93.6	142.3	299.3	376.3	454.5
7.5°	0.0	6.8	16.0	27.4	40.4	72.5	94.8	137.8	306.4	380.2	458.4
5°	0.0	6.9	16.1	27.6	40.9	73.3	95.8	132.0	311.5	383.1	460.4
2.5°	0.0	6.9	16.2	27.7	41.2	73.7	96.5	125.1	314.1	384.9	460.7
0°	0.0	6.9	16.2	27.7	41.5	73.9	96.9	117.7	313.9	385.5	459.3
-2.5°	0.0	6.9	16.2	27.7	41.2	73.7	96.5	125.1	314.1	384.9	460.7
-5°	0.0	6.9	16.1	27.6	40.9	73.3	95.8	132.0	311.5	383.1	460.4
-7.5°	0.0	6.8	16.0	27.4	40.4	72.5	94.8	137.8	306.4	380.2	458.4
-10°	0.0	6.8	15.9	27.2	39.9	71.3	93.6	142.3	299.3	376.3	454.5
-12.5°	0.0	6.7	15.8	26.9	39.3	69.8	92.3	145.2	290.4	371.5	447.7
-15°	0.0	6.7	15.6	26.5	38.6	68.0	90.6	146.2	279.7	365.2	438.8
-17.5°	0.0	6.6	15.3	26.1	37.8	65.9	88.9	146.9	267.6	357.9	428.0
-20°	0.0	6.5	15.1	25.6	36.9	63.4	89.8	148.3	255.1	349.6	415.4



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 CATALOG NUMBER: GFLD-SA5D-930-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.4	14.8	25.1	36.0	60.5	95.1	149.1	242.7	340.4	401.0
-25°	0.0	6.3	14.5	24.5	35.1	60.5	99.6	149.5	230.7	330.3	384.8
-27.5°	0.0	6.1	14.1	23.8	34.0	61.2	103.4	149.4	219.4	317.0	372.0
-30°	0.0	6.0	13.7	23.1	33.2	61.2	106.3	149.0	214.1	300.2	358.6
-32.5°	0.0	5.8	13.3	22.3	34.0	60.4	108.3	151.2	212.1	285.5	344.3
-35°	0.0	5.7	12.8	21.4	34.5	58.8	107.8	153.3	210.0	273.2	329.2
-37.5°	0.0	5.5	12.3	20.5	34.7	57.5	105.6	154.1	207.8	263.6	314.1
-40°	0.0	5.3	11.8	19.6	34.4	57.5	102.1	153.6	205.6	259.2	298.8
-42.5°	0.0	5.1	11.3	18.7	33.8	56.9	97.5	151.8	203.5	249.2	283.1
-45°	0.0	4.9	10.7	18.0	32.9	55.6	91.8	147.2	199.9	237.3	267.2
-47.5°	0.0	4.7	10.2	17.1	31.6	53.7	84.9	138.9	194.4	224.5	252.8
-50°	0.0	4.4	9.5	16.3	30.0	51.2	80.9	129.2	181.7	210.4	237.3
-52.5°	0.0	4.2	8.9	15.5	28.0	48.0	76.5	117.9	165.4	196.1	220.9
-55°	0.0	4.0	8.3	14.5	25.8	44.6	71.3	105.9	147.5	181.8	205.4
-57.5°	0.0	3.7	7.6	13.5	23.2	40.7	65.2	97.8	129.6	163.5	189.8
-60°	0.0	3.4	6.9	12.4	20.3	36.4	58.4	87.3	112.5	144.0	172.6
-62.5°	0.0	3.2	6.4	11.2	18.5	31.6	51.7	75.7	98.4	124.5	152.1
-65°	0.0	2.9	5.8	9.9	16.5	26.4	44.3	64.0	83.6	106.4	131.7
-67.5°	0.0	2.6	5.3	8.6	14.3	22.1	36.3	53.2	68.1	88.0	110.3
-70°	0.0	2.4	4.7	7.2	12.1	18.8	27.9	42.2	55.5	68.8	87.7
-72.5°	0.0	2.1	4.1	6.2	9.8	15.4	22.6	31.0	42.8	54.4	65.8
-75°	0.0	1.8	3.6	5.3	7.3	11.9	17.8	23.6	29.9	40.0	49.9
-77.5°	0.0	1.5	3.0	4.5	5.9	8.2	12.7	17.4	22.2	27.1	33.8
-80°	0.0	1.2	2.4	3.6	4.8	5.9	7.5	11.1	14.8	18.7	22.6
-82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.3	6.2	7.4	10.2	13.0
-85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.7	5.3	5.8
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
-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):

	-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°	2.9	2.9	2.8	2.6	2.8	3.0	3.1	3.3	3.0	2.6	2.3
85°	5.9	5.8	6.5	7.0	7.7	8.2	8.5	8.4	9.5	10.8	12.3
82.5°	14.6	15.6	16.2	16.4	16.6	16.5	16.3	16.2	20.0	24.9	30.3
80°	24.6	25.6	29.5	33.7	35.8	35.8	33.9	30.2	35.8	44.8	55.6
77.5°	40.0	45.9	52.1	58.5	59.7	56.7	51.7	44.9	52.9	68.8	86.8
75°	58.2	66.2	75.3	82.1	82.2	77.3	70.8	69.5	82.9	102.2	118.1
72.5°	79.6	91.4	100.1	106.0	105.5	104.6	107.2	112.8	123.9	138.0	150.2
70°	105.4	117.2	123.7	126.7	127.8	134.2	143.8	151.0	158.8	172.7	185.6
67.5°	131.1	140.1	145.7	149.7	160.4	172.7	182.2	191.0	200.7	215.0	226.7
65°	153.8	163.0	171.1	183.1	198.8	210.4	221.8	233.6	250.4	266.3	275.9
62.5°	176.1	185.9	198.2	214.5	231.5	246.3	264.9	285.8	307.7	324.0	342.7
60°	193.4	207.4	224.7	244.1	264.3	288.5	312.3	336.9	359.3	381.1	408.6
57.5°	209.9	230.0	251.6	274.4	301.2	331.3	360.4	386.9	415.1	445.5	476.6
55°	227.9	254.2	278.2	305.3	338.1	376.4	408.7	440.1	473.9	525.1	569.8
52.5°	247.6	276.7	303.9	337.0	377.8	418.7	455.5	499.4	555.9	632.0	755.3
50°	266.2	297.4	329.2	372.1	416.2	459.3	512.5	573.7	686.9	828.7	1077.0
47.5°	284.8	317.8	360.0	406.3	454.3	511.1	578.5	712.4	866.6	1219.9	1571.9
45°	303.1	342.4	389.0	441.5	498.8	570.1	710.2	875.2	1294.9	1701.3	2124.5
42.5°	321.0	367.0	420.3	476.3	551.1	680.2	860.6	1296.7	1750.9	2217.6	2623.9
40°	341.4	390.0	451.7	522.7	621.6	817.6	1222.5	1713.4	2225.5	2666.4	3061.7
37.5°	360.6	418.1	485.1	567.8	745.5	1072.6	1594.4	2138.9	2634.7	3065.5	3487.8
35°	378.2	445.4	525.2	649.1	866.9	1406.0	1971.6	2525.3	2999.3	3459.3	3921.2
32.5°	398.8	471.7	563.6	756.9	1145.3	1728.0	2329.7	2857.4	3353.7	3844.3	4371.9
30°	421.7	504.3	617.2	859.7	1421.2	2040.7	2636.9	3175.9	3690.6	4235.3	4800.4
27.5°	443.2	535.7	706.0	1059.0	1680.6	2332.7	2916.4	3471.1	4023.5	4603.6	5212.0
25°	462.8	565.6	789.2	1277.6	1931.0	2581.9	3173.5	3738.1	4334.5	4964.9	5605.1
22.5°	483.8	594.7	864.3	1476.6	2160.0	2803.7	3400.6	3999.1	4630.5	5298.6	5966.5
20°	506.5	656.9	987.8	1660.5	2368.1	3005.2	3604.5	4241.7	4907.4	5599.4	6304.8
17.5°	527.3	711.9	1135.4	1834.8	2543.1	3180.4	3787.8	4461.4	5148.2	5871.6	6614.6
15°	545.9	759.5	1265.5	1989.1	2691.6	3329.3	3966.7	4656.5	5362.2	6115.7	6887.4
12.5°	562.2	799.8	1377.3	2122.4	2816.9	3456.5	4117.1	4820.9	5552.9	6329.1	7133.3
10°	576.2	832.6	1470.2	2233.9	2918.9	3561.6	4237.8	4957.8	5704.8	6501.0	7331.5
7.5°	585.1	859.6	1543.7	2322.9	2997.5	3643.8	4328.8	5065.6	5815.8	6635.1	7481.5
5°	590.8	881.7	1596.9	2388.8	3054.8	3705.8	4394.4	5143.1	5887.1	6729.3	7582.4
2.5°	593.5	896.9	1629.3	2431.0	3090.7	3749.3	4448.7	5211.1	5962.2	6796.3	7660.5
0°	593.2	904.8	1641.0	2448.9	3104.4	3769.1	4475.4	5246.3	6010.3	6825.0	7713.6
-2.5°	593.5	896.9	1629.3	2431.0	3090.7	3749.3	4448.7	5211.1	5962.2	6796.3	7660.5
-5°	590.8	881.7	1596.9	2388.8	3054.8	3705.8	4394.4	5143.1	5887.1	6729.3	7582.4
-7.5°	585.1	859.6	1543.7	2322.9	2997.5	3643.8	4328.8	5065.6	5815.8	6635.1	7481.5
-10°	576.2	832.6	1470.2	2233.9	2918.9	3561.6	4237.8	4957.8	5704.8	6501.0	7331.5
-12.5°	562.2	799.8	1377.3	2122.4	2816.9	3456.5	4117.1	4820.9	5552.9	6329.1	7133.3
-15°	545.9	759.5	1265.5	1989.1	2691.6	3329.3	3966.7	4656.5	5362.2	6115.7	6887.4
-17.5°	527.3	711.9	1135.4	1834.8	2543.1	3180.4	3787.8	4461.4	5148.2	5871.6	6614.6
-20°	506.5	656.9	987.8	1660.5	2368.1	3005.2	3604.5	4241.7	4907.4	5599.4	6304.8



REPORT NUMBER: P559083 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-930-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	483.8	594.7	864.3	1476.6	2160.0	2803.7	3400.6	3999.1	4630.5	5298.6	5966.5
-25°	462.8	565.6	789.2	1277.6	1931.0	2581.9	3173.5	3738.1	4334.5	4964.9	5605.1
-27.5°	443.2	535.7	706.0	1059.0	1680.6	2332.7	2916.4	3471.1	4023.5	4603.6	5212.0
-30°	421.7	504.3	617.2	859.7	1421.2	2040.7	2636.9	3175.9	3690.6	4235.3	4800.4
-32.5°	398.8	471.7	563.6	756.9	1145.3	1728.0	2329.7	2857.4	3353.7	3844.3	4371.9
-35°	378.2	445.4	525.2	649.1	866.9	1406.0	1971.6	2525.3	2999.3	3459.3	3921.2
-37.5°	360.6	418.1	485.1	567.8	745.5	1072.6	1594.4	2138.9	2634.7	3065.5	3487.8
-40°	341.4	390.0	451.7	522.7	621.6	817.6	1222.5	1713.4	2225.5	2666.4	3061.7
-42.5°	321.0	367.0	420.3	476.3	551.1	680.2	860.6	1296.7	1750.9	2217.6	2623.9
-45°	303.1	342.4	389.0	441.5	498.8	570.1	710.2	875.2	1294.9	1701.3	2124.5
-47.5°	284.8	317.8	360.0	406.3	454.3	511.1	578.5	712.4	866.6	1219.9	1571.9
-50°	266.2	297.4	329.2	372.1	416.2	459.3	512.5	573.7	686.9	828.7	1077.0
-52.5°	247.6	276.7	303.9	337.0	377.8	418.7	455.5	499.4	555.9	632.0	755.3
-55°	227.9	254.2	278.2	305.3	338.1	376.4	408.7	440.1	473.9	525.1	569.8
-57.5°	209.9	230.0	251.6	274.4	301.2	331.3	360.4	386.9	415.1	445.5	476.6
-60°	193.4	207.4	224.7	244.1	264.3	288.5	312.3	336.9	359.3	381.1	408.6
-62.5°	176.1	185.9	198.2	214.5	231.5	246.3	264.9	285.8	307.7	324.0	342.7
-65°	153.8	163.0	171.1	183.1	198.8	210.4	221.8	233.6	250.4	266.3	275.9
-67.5°	131.1	140.1	145.7	149.7	160.4	172.7	182.2	191.0	200.7	215.0	226.7
-70°	105.4	117.2	123.7	126.7	127.8	134.2	143.8	151.0	158.8	172.7	185.6
-72.5°	79.6	91.4	100.1	106.0	105.5	104.6	107.2	112.8	123.9	138.0	150.2
-75°	58.2	66.2	75.3	82.1	82.2	77.3	70.8	69.5	82.9	102.2	118.1
-77.5°	40.0	45.9	52.1	58.5	59.7	56.7	51.7	44.9	52.9	68.8	86.8
-80°	24.6	25.6	29.5	33.7	35.8	35.8	33.9	30.2	35.8	44.8	55.6
-82.5°	14.6	15.6	16.2	16.4	16.6	16.5	16.3	16.2	20.0	24.9	30.3
-85°	5.9	5.8	6.5	7.0	7.7	8.2	8.5	8.4	9.5	10.8	12.3
-87.5°	2.9	2.9	2.8	2.6	2.8	3.0	3.1	3.3	3.0	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



REPORT NUMBER: P559083 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-930-U-WR-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°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.3
85°	14.1	13.8	13.3	12.6	11.7	12.0	12.4	12.7	13.0	12.2	11.2
82.5°	36.2	38.9	41.4	44.1	46.9	46.5	45.2	43.4	41.0	36.5	31.6
80°	67.9	74.2	78.4	81.8	84.5	81.9	78.0	73.4	68.4	60.7	52.4
77.5°	105.3	111.7	115.1	119.0	123.4	124.3	124.5	124.9	125.5	111.3	93.3
75°	130.8	139.2	146.2	152.3	157.7	160.4	162.2	163.9	165.6	146.8	122.2
72.5°	160.8	168.9	175.6	182.3	188.1	192.6	196.1	199.0	201.2	186.0	164.5
70°	195.8	204.0	211.6	218.5	225.2	231.3	236.8	241.9	246.5	247.4	248.5
67.5°	235.4	240.2	249.3	258.0	268.3	275.9	284.3	292.3	299.5	305.7	310.9
65°	284.4	301.8	319.5	328.1	328.8	339.8	357.1	366.7	369.5	371.6	377.1
62.5°	366.6	389.1	401.0	416.4	437.7	460.8	469.7	482.4	497.9	515.4	531.3
60°	431.9	451.1	479.7	508.7	534.5	557.9	614.8	665.4	708.7	746.0	781.9
57.5°	513.1	544.7	588.3	667.0	738.9	804.0	915.2	1051.0	1172.1	1278.0	1371.0
55°	642.3	734.3	817.1	1002.8	1201.2	1373.0	1533.8	1705.8	1845.8	1955.2	2056.5
52.5°	862.6	1115.6	1372.0	1613.2	1850.3	2066.1	2259.8	2412.3	2531.2	2620.6	2705.1
50°	1381.1	1685.9	1998.2	2285.9	2518.8	2731.6	2933.2	3084.4	3210.9	3319.9	3416.3
47.5°	1946.2	2303.1	2598.2	2863.5	3114.6	3350.6	3571.2	3755.2	3911.1	4054.8	4174.4
45°	2508.6	2827.8	3130.5	3415.0	3688.1	3952.8	4190.1	4399.4	4605.6	4776.0	4910.8
42.5°	2984.2	3322.1	3644.0	3969.6	4275.0	4571.9	4858.6	5113.2	5332.2	5518.4	5668.2
40°	3440.6	3805.0	4187.3	4548.8	4911.6	5250.3	5567.8	5858.4	6107.9	6328.4	6514.9
37.5°	3905.2	4330.6	4750.6	5162.7	5562.3	5930.8	6295.1	6630.4	6922.7	7180.7	7397.3
35°	4395.4	4864.2	5321.4	5785.7	6222.1	6648.4	7051.2	7420.3	7744.0	8048.0	8309.2
32.5°	4886.6	5394.6	5909.3	6411.7	6895.1	7372.6	7814.4	8230.5	8613.2	8949.6	9228.4
30°	5364.8	5924.2	6474.9	7022.2	7573.9	8094.1	8583.5	9040.4	9455.7	9822.1	10139.0
27.5°	5823.7	6424.9	7015.6	7641.6	8241.2	8807.1	9338.7	9830.0	10293.5	10710.2	11069.9
25°	6248.3	6887.0	7575.5	8232.0	8873.5	9501.1	10083.6	10617.3	11147.3	11605.8	11996.3
22.5°	6649.5	7362.2	8087.1	8775.6	9483.5	10173.6	10825.6	11444.1	12010.1	12490.5	12907.0
20°	7030.9	7797.9	8544.8	9307.2	10073.7	10818.3	11536.2	12197.2	12795.3	13318.8	13788.5
17.5°	7391.2	8184.9	8978.6	9792.7	10620.5	11403.3	12163.9	12883.0	13535.9	14116.8	14646.2
15°	7702.9	8523.0	9372.9	10238.1	11103.9	11936.3	12743.6	13526.9	14261.5	14893.7	15427.6
12.5°	7967.8	8822.1	9721.2	10628.9	11541.6	12414.1	13269.8	14108.0	14888.8	15568.6	16116.7
10°	8187.5	9082.6	10021.7	10967.2	11903.3	12809.9	13699.8	14567.1	15405.7	16110.3	16673.3
7.5°	8370.5	9300.0	10260.8	11234.9	12179.4	13120.9	14049.0	14925.1	15751.3	16494.2	17072.9
5°	8507.3	9452.3	10433.4	11431.7	12390.7	13365.8	14321.5	15218.1	16036.1	16709.3	17181.7
2.5°	8609.1	9547.1	10545.4	11550.4	12522.1	13532.4	14508.4	15405.9	16243.2	16880.4	17289.4
0°	8678.4	9599.3	10647.2	11632.8	12620.6	13656.9	14621.7	15528.8	16368.9	16992.1	17414.5
-2.5°	8609.1	9547.1	10545.4	11550.4	12522.1	13532.4	14508.4	15405.9	16243.2	16880.4	17289.4
-5°	8507.3	9452.3	10433.4	11431.7	12390.7	13365.8	14321.5	15218.1	16036.1	16709.3	17181.7
-7.5°	8370.5	9300.0	10260.8	11234.9	12179.4	13120.9	14049.0	14925.1	15751.3	16494.2	17072.9
-10°	8187.5	9082.6	10021.7	10967.2	11903.3	12809.9	13699.8	14567.1	15405.7	16110.3	16673.3
-12.5°	7967.8	8822.1	9721.2	10628.9	11541.6	12414.1	13269.8	14108.0	14888.8	15568.6	16116.7
-15°	7702.9	8523.0	9372.9	10238.1	11103.9	11936.3	12743.6	13526.9	14261.5	14893.7	15427.6
-17.5°	7391.2	8184.9	8978.6	9792.7	10620.5	11403.3	12163.9	12883.0	13535.9	14116.8	14646.2
-20°	7030.9	7797.9	8544.8	9307.2	10073.7	10818.3	11536.2	12197.2	12795.3	13318.8	13788.5



REPORT NUMBER: P559083 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-930-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6649.5	7362.2	8087.1	8775.6	9483.5	10173.6	10825.6	11444.1	12010.1	12490.5	12907.0
-25°	6248.3	6887.0	7575.5	8232.0	8873.5	9501.1	10083.6	10617.3	11147.3	11605.8	11996.3
-27.5°	5823.7	6424.9	7015.6	7641.6	8241.2	8807.1	9338.7	9830.0	10293.5	10710.2	11069.9
-30°	5364.8	5924.2	6474.9	7022.2	7573.9	8094.1	8583.5	9040.4	9455.7	9822.1	10139.0
-32.5°	4886.6	5394.6	5909.3	6411.7	6895.1	7372.6	7814.4	8230.5	8613.2	8949.6	9228.4
-35°	4395.4	4864.2	5321.4	5785.7	6222.1	6648.4	7051.2	7420.3	7744.0	8048.0	8309.2
-37.5°	3905.2	4330.6	4750.6	5162.7	5562.3	5930.8	6295.1	6630.4	6922.7	7180.7	7397.3
-40°	3440.6	3805.0	4187.3	4548.8	4911.6	5250.3	5567.8	5858.4	6107.9	6328.4	6514.9
-42.5°	2984.2	3322.1	3644.0	3969.6	4275.0	4571.9	4858.6	5113.2	5332.2	5518.4	5668.2
-45°	2508.6	2827.8	3130.5	3415.0	3688.1	3952.8	4190.1	4399.4	4605.6	4776.0	4910.8
-47.5°	1946.2	2303.1	2598.2	2863.5	3114.6	3350.6	3571.2	3755.2	3911.1	4054.8	4174.4
-50°	1381.1	1685.9	1998.2	2285.9	2518.8	2731.6	2933.2	3084.4	3210.9	3319.9	3416.3
-52.5°	862.6	1115.6	1372.0	1613.2	1850.3	2066.1	2259.8	2412.3	2531.2	2620.6	2705.1
-55°	642.3	734.3	817.1	1002.8	1201.2	1373.0	1533.8	1705.8	1845.8	1955.2	2056.5
-57.5°	513.1	544.7	588.3	667.0	738.9	804.0	915.2	1051.0	1172.1	1278.0	1371.0
-60°	431.9	451.1	479.7	508.7	534.5	557.9	614.8	665.4	708.7	746.0	781.9
-62.5°	366.6	389.1	401.0	416.4	437.7	460.8	469.7	482.4	497.9	515.4	531.3
-65°	284.4	301.8	319.5	328.1	328.8	339.8	357.1	366.7	369.5	371.6	377.1
-67.5°	235.4	240.2	249.3	258.0	268.3	275.9	284.3	292.3	299.5	305.7	310.9
-70°	195.8	204.0	211.6	218.5	225.2	231.3	236.8	241.9	246.5	247.4	248.5
-72.5°	160.8	168.9	175.6	182.3	188.1	192.6	196.1	199.0	201.2	186.0	164.5
-75°	130.8	139.2	146.2	152.3	157.7	160.4	162.2	163.9	165.6	146.8	122.2
-77.5°	105.3	111.7	115.1	119.0	123.4	124.3	124.5	124.9	125.5	111.3	93.3
-80°	67.9	74.2	78.4	81.8	84.5	81.9	78.0	73.4	68.4	60.7	52.4
-82.5°	36.2	38.9	41.4	44.1	46.9	46.5	45.2	43.4	41.0	36.5	31.6
-85°	14.1	13.8	13.3	12.6	11.7	12.0	12.4	12.7	13.0	12.2	11.2
-87.5°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	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



REPORT NUMBER: P559083 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-930-U-WR-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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
85°	10.2	9.2	9.2	9.2	9.2	9.2	10.2	11.2	12.2	13.0	12.7
82.5°	26.3	20.8	21.9	23.1	21.9	20.8	26.3	31.6	36.5	41.0	43.4
80°	43.7	34.7	35.7	36.9	35.7	34.7	43.7	52.4	60.7	68.4	73.4
77.5°	74.0	53.7	51.9	50.8	51.9	53.7	74.0	93.3	111.3	125.5	124.9
75°	96.7	70.6	69.1	69.2	69.1	70.6	96.7	122.2	146.8	165.6	163.9
72.5°	142.8	120.8	105.5	90.0	105.5	120.8	142.8	164.5	186.0	201.2	199.0
70°	251.2	254.3	253.0	249.3	253.0	254.3	251.2	248.5	247.4	246.5	241.9
67.5°	315.1	318.5	319.2	318.5	319.2	318.5	315.1	310.9	305.7	299.5	292.3
65°	380.9	383.1	384.8	385.5	384.8	383.1	380.9	377.1	371.6	369.5	366.7
62.5°	543.2	551.2	559.6	565.5	559.6	551.2	543.2	531.3	515.4	497.9	482.4
60°	813.2	839.2	850.7	851.7	850.7	839.2	813.2	781.9	746.0	708.7	665.4
57.5°	1445.5	1501.2	1550.8	1588.0	1550.8	1501.2	1445.5	1371.0	1278.0	1172.1	1051.0
55°	2137.2	2196.4	2229.9	2238.8	2229.9	2196.4	2137.2	2056.5	1955.2	1845.8	1705.8
52.5°	2769.3	2808.7	2846.1	2878.2	2846.1	2808.7	2769.3	2705.1	2620.6	2531.2	2412.3
50°	3489.1	3532.9	3569.9	3598.3	3569.9	3532.9	3489.1	3416.3	3319.9	3210.9	3084.4
47.5°	4258.5	4312.2	4351.8	4378.4	4351.8	4312.2	4258.5	4174.4	4054.8	3911.1	3755.2
45°	5026.2	5118.2	5174.1	5184.0	5174.1	5118.2	5026.2	4910.8	4776.0	4605.6	4399.4
42.5°	5797.8	5886.0	5945.6	5989.5	5945.6	5886.0	5797.8	5668.2	5518.4	5332.2	5113.2
40°	6670.5	6781.3	6832.1	6799.6	6832.1	6781.3	6670.5	6514.9	6328.4	6107.9	5858.4
37.5°	7564.4	7678.3	7737.1	7734.4	7737.1	7678.3	7564.4	7397.3	7180.7	6922.7	6630.4
35°	8512.3	8653.5	8729.9	8710.7	8729.9	8653.5	8512.3	8309.2	8048.0	7744.0	7420.3
32.5°	9451.3	9622.0	9732.2	9749.4	9732.2	9622.0	9451.3	9228.4	8949.6	8613.2	8230.5
30°	10393.1	10577.6	10687.3	10698.0	10687.3	10577.6	10393.1	10139.0	9822.1	9455.7	9040.4
27.5°	11371.8	11578.2	11693.0	11720.5	11693.0	11578.2	11371.8	11069.9	10710.2	10293.5	9830.0
25°	12329.3	12558.4	12690.1	12740.6	12690.1	12558.4	12329.3	11996.3	11605.8	11147.3	10617.3
22.5°	13252.7	13503.9	13675.5	13719.3	13675.5	13503.9	13252.7	12907.0	12490.5	12010.1	11444.1
20°	14178.7	14475.2	14694.7	14716.4	14694.7	14475.2	14178.7	13788.5	13318.8	12795.3	12197.2
17.5°	15070.4	15391.2	15626.0	15683.4	15626.0	15391.2	15070.4	14646.2	14116.8	13535.9	12883.0
15°	15868.6	16205.3	16432.1	16482.0	16432.1	16205.3	15868.6	15427.6	14893.7	14261.5	13526.9
12.5°	16557.5	16867.9	17079.6	17160.6	17079.6	16867.9	16557.5	16116.7	15568.6	14888.8	14108.0
10°	17112.5	17352.2	17541.4	17626.8	17541.4	17352.2	17112.5	16673.3	16110.3	15405.7	14567.1
7.5°	17422.2	17619.5	17750.5	17797.6	17750.5	17619.5	17422.2	17072.9	16494.2	15751.3	14925.1
5°	17544.6	17733.7	17804.6	17846.1	17804.6	17733.7	17544.6	17181.7	16709.3	16036.1	15218.1
2.5°	17561.3	17712.7	17858.6	17954.6	17858.6	17712.7	17561.3	17289.4	16880.4	16243.2	15405.9
0°	17659.2	17806.9	17887.7	17933.8	17887.7	17806.9	17659.2	17414.5	16992.1	16368.9	15528.8
-2.5°	17561.3	17712.7	17858.6	17954.6	17858.6	17712.7	17561.3	17289.4	16880.4	16243.2	15405.9
-5°	17544.6	17733.7	17804.6	17846.1	17804.6	17733.7	17544.6	17181.7	16709.3	16036.1	15218.1
-7.5°	17422.2	17619.5	17750.5	17797.6	17750.5	17619.5	17422.2	17072.9	16494.2	15751.3	14925.1
-10°	17112.5	17352.2	17541.4	17626.8	17541.4	17352.2	17112.5	16673.3	16110.3	15405.7	14567.1
-12.5°	16557.5	16867.9	17079.6	17160.6	17079.6	16867.9	16557.5	16116.7	15568.6	14888.8	14108.0
-15°	15868.6	16205.3	16432.1	16482.0	16432.1	16205.3	15868.6	15427.6	14893.7	14261.5	13526.9
-17.5°	15070.4	15391.2	15626.0	15683.4	15626.0	15391.2	15070.4	14646.2	14116.8	13535.9	12883.0
-20°	14178.7	14475.2	14694.7	14716.4	14694.7	14475.2	14178.7	13788.5	13318.8	12795.3	12197.2



REPORT NUMBER: P559083 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13252.7	13503.9	13675.5	13719.3	13675.5	13503.9	13252.7	12907.0	12490.5	12010.1	11444.1
-25°	12329.3	12558.4	12690.1	12740.6	12690.1	12558.4	12329.3	11996.3	11605.8	11147.3	10617.3
-27.5°	11371.8	11578.2	11693.0	11720.5	11693.0	11578.2	11371.8	11069.9	10710.2	10293.5	9830.0
-30°	10393.1	10577.6	10687.3	10698.0	10687.3	10577.6	10393.1	10139.0	9822.1	9455.7	9040.4
-32.5°	9451.3	9622.0	9732.2	9749.4	9732.2	9622.0	9451.3	9228.4	8949.6	8613.2	8230.5
-35°	8512.3	8653.5	8729.9	8710.7	8729.9	8653.5	8512.3	8309.2	8048.0	7744.0	7420.3
-37.5°	7564.4	7678.3	7737.1	7734.4	7737.1	7678.3	7564.4	7397.3	7180.7	6922.7	6630.4
-40°	6670.5	6781.3	6832.1	6799.6	6832.1	6781.3	6670.5	6514.9	6328.4	6107.9	5858.4
-42.5°	5797.8	5886.0	5945.6	5989.5	5945.6	5886.0	5797.8	5668.2	5518.4	5332.2	5113.2
-45°	5026.2	5118.2	5174.1	5184.0	5174.1	5118.2	5026.2	4910.8	4776.0	4605.6	4399.4
-47.5°	4258.5	4312.2	4351.8	4378.4	4351.8	4312.2	4258.5	4174.4	4054.8	3911.1	3755.2
-50°	3489.1	3532.9	3569.9	3598.3	3569.9	3532.9	3489.1	3416.3	3319.9	3210.9	3084.4
-52.5°	2769.3	2808.7	2846.1	2878.2	2846.1	2808.7	2769.3	2705.1	2620.6	2531.2	2412.3
-55°	2137.2	2196.4	2229.9	2238.8	2229.9	2196.4	2137.2	2056.5	1955.2	1845.8	1705.8
-57.5°	1445.5	1501.2	1550.8	1588.0	1550.8	1501.2	1445.5	1371.0	1278.0	1172.1	1051.0
-60°	813.2	839.2	850.7	851.7	850.7	839.2	813.2	781.9	746.0	708.7	665.4
-62.5°	543.2	551.2	559.6	565.5	559.6	551.2	543.2	531.3	515.4	497.9	482.4
-65°	380.9	383.1	384.8	385.5	384.8	383.1	380.9	377.1	371.6	369.5	366.7
-67.5°	315.1	318.5	319.2	318.5	319.2	318.5	315.1	310.9	305.7	299.5	292.3
-70°	251.2	254.3	253.0	249.3	253.0	254.3	251.2	248.5	247.4	246.5	241.9
-72.5°	142.8	120.8	105.5	90.0	105.5	120.8	142.8	164.5	186.0	201.2	199.0
-75°	96.7	70.6	69.1	69.2	69.1	70.6	96.7	122.2	146.8	165.6	163.9
-77.5°	74.0	53.7	51.9	50.8	51.9	53.7	74.0	93.3	111.3	125.5	124.9
-80°	43.7	34.7	35.7	36.9	35.7	34.7	43.7	52.4	60.7	68.4	73.4
-82.5°	26.3	20.8	21.9	23.1	21.9	20.8	26.3	31.6	36.5	41.0	43.4
-85°	10.2	9.2	9.2	9.2	9.2	9.2	10.2	11.2	12.2	13.0	12.7
-87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
-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):

	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°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	2.3	2.6	3.0	3.3
85°	12.4	12.0	11.7	12.6	13.3	13.8	14.1	12.3	10.8	9.5	8.4
82.5°	45.2	46.5	46.9	44.1	41.4	38.9	36.2	30.3	24.9	20.0	16.2
80°	78.0	81.9	84.5	81.8	78.4	74.2	67.9	55.6	44.8	35.8	30.2
77.5°	124.5	124.3	123.4	119.0	115.1	111.7	105.3	86.8	68.8	52.9	44.9
75°	162.2	160.4	157.7	152.3	146.2	139.2	130.8	118.1	102.2	82.9	69.5
72.5°	196.1	192.6	188.1	182.3	175.6	168.9	160.8	150.2	138.0	123.9	112.8
70°	236.8	231.3	225.2	218.5	211.6	204.0	195.8	185.6	172.7	158.8	151.0
67.5°	284.3	275.9	268.3	258.0	249.3	240.2	235.4	226.7	215.0	200.7	191.0
65°	357.1	339.8	328.8	328.1	319.5	301.8	284.4	275.9	266.3	250.4	233.6
62.5°	469.7	460.8	437.7	416.4	401.0	389.1	366.6	342.7	324.0	307.7	285.8
60°	614.8	557.9	534.5	508.7	479.7	451.1	431.9	408.6	381.1	359.3	336.9
57.5°	915.2	804.0	738.9	667.0	588.3	544.7	513.1	476.6	445.5	415.1	386.9
55°	1533.8	1373.0	1201.2	1002.8	817.1	734.3	642.3	569.8	525.1	473.9	440.1
52.5°	2259.8	2066.1	1850.3	1613.2	1372.0	1115.6	862.6	755.3	632.0	555.9	499.4
50°	2933.2	2731.6	2518.8	2285.9	1998.2	1685.9	1381.1	1077.0	828.7	686.9	573.7
47.5°	3571.2	3350.6	3114.6	2863.5	2598.2	2303.1	1946.2	1571.9	1219.9	866.6	712.4
45°	4190.1	3952.8	3688.1	3415.0	3130.5	2827.8	2508.6	2124.5	1701.3	1294.9	875.2
42.5°	4858.6	4571.9	4275.0	3969.6	3644.0	3322.1	2984.2	2623.9	2217.6	1750.9	1296.7
40°	5567.8	5250.3	4911.6	4548.8	4187.3	3805.0	3440.6	3061.7	2666.4	2225.5	1713.4
37.5°	6295.1	5930.8	5562.3	5162.7	4750.6	4330.6	3905.2	3487.8	3065.5	2634.7	2138.9
35°	7051.2	6648.4	6222.1	5785.7	5321.4	4864.2	4395.4	3921.2	3459.3	2999.3	2525.3
32.5°	7814.4	7372.6	6895.1	6411.7	5909.3	5394.6	4886.6	4371.9	3844.3	3353.7	2857.4
30°	8583.5	8094.1	7573.9	7022.2	6474.9	5924.2	5364.8	4800.4	4235.3	3690.6	3175.9
27.5°	9338.7	8807.1	8241.2	7641.6	7015.6	6424.9	5823.7	5212.0	4603.6	4023.5	3471.1
25°	10083.6	9501.1	8873.5	8232.0	7575.5	6887.0	6248.3	5605.1	4964.9	4334.5	3738.1
22.5°	10825.6	10173.6	9483.5	8775.6	8087.1	7362.2	6649.5	5966.5	5298.6	4630.5	3999.1
20°	11536.2	10818.3	10073.7	9307.2	8544.8	7797.9	7030.9	6304.8	5599.4	4907.4	4241.7
17.5°	12163.9	11403.3	10620.5	9792.7	8978.6	8184.9	7391.2	6614.6	5871.6	5148.2	4461.4
15°	12743.6	11936.3	11103.9	10238.1	9372.9	8523.0	7702.9	6887.4	6115.7	5362.2	4656.5
12.5°	13269.8	12414.1	11541.6	10628.9	9721.2	8822.1	7967.8	7133.3	6329.1	5552.9	4820.9
10°	13699.8	12809.9	11903.3	10967.2	10021.7	9082.6	8187.5	7331.5	6501.0	5704.8	4957.8
7.5°	14049.0	13120.9	12179.4	11234.9	10260.8	9300.0	8370.5	7481.5	6635.1	5815.8	5065.6
5°	14321.5	13365.8	12390.7	11431.7	10433.4	9452.3	8507.3	7582.4	6729.3	5887.1	5143.1
2.5°	14508.4	13532.4	12522.1	11550.4	10545.4	9547.1	8609.1	7660.5	6796.3	5962.2	5211.1
0°	14621.7	13656.9	12620.6	11632.8	10647.2	9599.3	8678.4	7713.6	6825.0	6010.3	5246.3
-2.5°	14508.4	13532.4	12522.1	11550.4	10545.4	9547.1	8609.1	7660.5	6796.3	5962.2	5211.1
-5°	14321.5	13365.8	12390.7	11431.7	10433.4	9452.3	8507.3	7582.4	6729.3	5887.1	5143.1
-7.5°	14049.0	13120.9	12179.4	11234.9	10260.8	9300.0	8370.5	7481.5	6635.1	5815.8	5065.6
-10°	13699.8	12809.9	11903.3	10967.2	10021.7	9082.6	8187.5	7331.5	6501.0	5704.8	4957.8
-12.5°	13269.8	12414.1	11541.6	10628.9	9721.2	8822.1	7967.8	7133.3	6329.1	5552.9	4820.9
-15°	12743.6	11936.3	11103.9	10238.1	9372.9	8523.0	7702.9	6887.4	6115.7	5362.2	4656.5
-17.5°	12163.9	11403.3	10620.5	9792.7	8978.6	8184.9	7391.2	6614.6	5871.6	5148.2	4461.4
-20°	11536.2	10818.3	10073.7	9307.2	8544.8	7797.9	7030.9	6304.8	5599.4	4907.4	4241.7



REPORT NUMBER: P559083 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-930-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10825.6	10173.6	9483.5	8775.6	8087.1	7362.2	6649.5	5966.5	5298.6	4630.5	3999.1
-25°	10083.6	9501.1	8873.5	8232.0	7575.5	6887.0	6248.3	5605.1	4964.9	4334.5	3738.1
-27.5°	9338.7	8807.1	8241.2	7641.6	7015.6	6424.9	5823.7	5212.0	4603.6	4023.5	3471.1
-30°	8583.5	8094.1	7573.9	7022.2	6474.9	5924.2	5364.8	4800.4	4235.3	3690.6	3175.9
-32.5°	7814.4	7372.6	6895.1	6411.7	5909.3	5394.6	4886.6	4371.9	3844.3	3353.7	2857.4
-35°	7051.2	6648.4	6222.1	5785.7	5321.4	4864.2	4395.4	3921.2	3459.3	2999.3	2525.3
-37.5°	6295.1	5930.8	5562.3	5162.7	4750.6	4330.6	3905.2	3487.8	3065.5	2634.7	2138.9
-40°	5567.8	5250.3	4911.6	4548.8	4187.3	3805.0	3440.6	3061.7	2666.4	2225.5	1713.4
-42.5°	4858.6	4571.9	4275.0	3969.6	3644.0	3322.1	2984.2	2623.9	2217.6	1750.9	1296.7
-45°	4190.1	3952.8	3688.1	3415.0	3130.5	2827.8	2508.6	2124.5	1701.3	1294.9	875.2
-47.5°	3571.2	3350.6	3114.6	2863.5	2598.2	2303.1	1946.2	1571.9	1219.9	866.6	712.4
-50°	2933.2	2731.6	2518.8	2285.9	1998.2	1685.9	1381.1	1077.0	828.7	686.9	573.7
-52.5°	2259.8	2066.1	1850.3	1613.2	1372.0	1115.6	862.6	755.3	632.0	555.9	499.4
-55°	1533.8	1373.0	1201.2	1002.8	817.1	734.3	642.3	569.8	525.1	473.9	440.1
-57.5°	915.2	804.0	738.9	667.0	588.3	544.7	513.1	476.6	445.5	415.1	386.9
-60°	614.8	557.9	534.5	508.7	479.7	451.1	431.9	408.6	381.1	359.3	336.9
-62.5°	469.7	460.8	437.7	416.4	401.0	389.1	366.6	342.7	324.0	307.7	285.8
-65°	357.1	339.8	328.8	328.1	319.5	301.8	284.4	275.9	266.3	250.4	233.6
-67.5°	284.3	275.9	268.3	258.0	249.3	240.2	235.4	226.7	215.0	200.7	191.0
-70°	236.8	231.3	225.2	218.5	211.6	204.0	195.8	185.6	172.7	158.8	151.0
-72.5°	196.1	192.6	188.1	182.3	175.6	168.9	160.8	150.2	138.0	123.9	112.8
-75°	162.2	160.4	157.7	152.3	146.2	139.2	130.8	118.1	102.2	82.9	69.5
-77.5°	124.5	124.3	123.4	119.0	115.1	111.7	105.3	86.8	68.8	52.9	44.9
-80°	78.0	81.9	84.5	81.8	78.4	74.2	67.9	55.6	44.8	35.8	30.2
-82.5°	45.2	46.5	46.9	44.1	41.4	38.9	36.2	30.3	24.9	20.0	16.2
-85°	12.4	12.0	11.7	12.6	13.3	13.8	14.1	12.3	10.8	9.5	8.4
-87.5°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	2.3	2.6	3.0	3.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559083 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-930-U-WR-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°	3.1	3.0	2.8	2.6	2.8	2.9	2.9	2.9	2.6	2.4	2.1
85°	8.5	8.2	7.7	7.0	6.5	5.8	5.9	5.8	5.3	4.7	4.1
82.5°	16.3	16.5	16.6	16.4	16.2	15.6	14.6	13.0	10.2	7.4	6.2
80°	33.9	35.8	35.8	33.7	29.5	25.6	24.6	22.6	18.7	14.8	11.1
77.5°	51.7	56.7	59.7	58.5	52.1	45.9	40.0	33.8	27.1	22.2	17.4
75°	70.8	77.3	82.2	82.1	75.3	66.2	58.2	49.9	40.0	29.9	23.6
72.5°	107.2	104.6	105.5	106.0	100.1	91.4	79.6	65.8	54.4	42.8	31.0
70°	143.8	134.2	127.8	126.7	123.7	117.2	105.4	87.7	68.8	55.5	42.2
67.5°	182.2	172.7	160.4	149.7	145.7	140.1	131.1	110.3	88.0	68.1	53.2
65°	221.8	210.4	198.8	183.1	171.1	163.0	153.8	131.7	106.4	83.6	64.0
62.5°	264.9	246.3	231.5	214.5	198.2	185.9	176.1	152.1	124.5	98.4	75.7
60°	312.3	288.5	264.3	244.1	224.7	207.4	193.4	172.6	144.0	112.5	87.3
57.5°	360.4	331.3	301.2	274.4	251.6	230.0	209.9	189.8	163.5	129.6	97.8
55°	408.7	376.4	338.1	305.3	278.2	254.2	227.9	205.4	181.8	147.5	105.9
52.5°	455.5	418.7	377.8	337.0	303.9	276.7	247.6	220.9	196.1	165.4	117.9
50°	512.5	459.3	416.2	372.1	329.2	297.4	266.2	237.3	210.4	181.7	129.2
47.5°	578.5	511.1	454.3	406.3	360.0	317.8	284.8	252.8	224.5	194.4	138.9
45°	710.2	570.1	498.8	441.5	389.0	342.4	303.1	267.2	237.3	199.9	147.2
42.5°	860.6	680.2	551.1	476.3	420.3	367.0	321.0	283.1	249.2	203.5	151.8
40°	1222.5	817.6	621.6	522.7	451.7	390.0	341.4	298.8	259.2	205.6	153.6
37.5°	1594.4	1072.6	745.5	567.8	485.1	418.1	360.6	314.1	263.6	207.8	154.1
35°	1971.6	1406.0	866.9	649.1	525.2	445.4	378.2	329.2	273.2	210.0	153.3
32.5°	2329.7	1728.0	1145.3	756.9	563.6	471.7	398.8	344.3	285.5	212.1	151.2
30°	2636.9	2040.7	1421.2	859.7	617.2	504.3	421.7	358.6	300.2	214.1	149.0
27.5°	2916.4	2332.7	1680.6	1059.0	706.0	535.7	443.2	372.0	317.0	219.4	149.4
25°	3173.5	2581.9	1931.0	1277.6	789.2	565.6	462.8	384.8	330.3	230.7	149.5
22.5°	3400.6	2803.7	2160.0	1476.6	864.3	594.7	483.8	401.0	340.4	242.7	149.1
20°	3604.5	3005.2	2368.1	1660.5	987.8	656.9	506.5	415.4	349.6	255.1	148.3
17.5°	3787.8	3180.4	2543.1	1834.8	1135.4	711.9	527.3	428.0	357.9	267.6	146.9
15°	3966.7	3329.3	2691.6	1989.1	1265.5	759.5	545.9	438.8	365.2	279.7	146.2
12.5°	4117.1	3456.5	2816.9	2122.4	1377.3	799.8	562.2	447.7	371.5	290.4	145.2
10°	4237.8	3561.6	2918.9	2233.9	1470.2	832.6	576.2	454.5	376.3	299.3	142.3
7.5°	4328.8	3643.8	2997.5	2322.9	1543.7	859.6	585.1	458.4	380.2	306.4	137.8
5°	4394.4	3705.8	3054.8	2388.8	1596.9	881.7	590.8	460.4	383.1	311.5	132.0
2.5°	4448.7	3749.3	3090.7	2431.0	1629.3	896.9	593.5	460.7	384.9	314.1	125.1
0°	4475.4	3769.1	3104.4	2448.9	1641.0	904.8	593.2	459.3	385.5	313.9	117.7
-2.5°	4448.7	3749.3	3090.7	2431.0	1629.3	896.9	593.5	460.7	384.9	314.1	125.1
-5°	4394.4	3705.8	3054.8	2388.8	1596.9	881.7	590.8	460.4	383.1	311.5	132.0
-7.5°	4328.8	3643.8	2997.5	2322.9	1543.7	859.6	585.1	458.4	380.2	306.4	137.8
-10°	4237.8	3561.6	2918.9	2233.9	1470.2	832.6	576.2	454.5	376.3	299.3	142.3
-12.5°	4117.1	3456.5	2816.9	2122.4	1377.3	799.8	562.2	447.7	371.5	290.4	145.2
-15°	3966.7	3329.3	2691.6	1989.1	1265.5	759.5	545.9	438.8	365.2	279.7	146.2
-17.5°	3787.8	3180.4	2543.1	1834.8	1135.4	711.9	527.3	428.0	357.9	267.6	146.9
-20°	3604.5	3005.2	2368.1	1660.5	987.8	656.9	506.5	415.4	349.6	255.1	148.3



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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°	3400.6	2803.7	2160.0	1476.6	864.3	594.7	483.8	401.0	340.4	242.7	149.1
-25°	3173.5	2581.9	1931.0	1277.6	789.2	565.6	462.8	384.8	330.3	230.7	149.5
-27.5°	2916.4	2332.7	1680.6	1059.0	706.0	535.7	443.2	372.0	317.0	219.4	149.4
-30°	2636.9	2040.7	1421.2	859.7	617.2	504.3	421.7	358.6	300.2	214.1	149.0
-32.5°	2329.7	1728.0	1145.3	756.9	563.6	471.7	398.8	344.3	285.5	212.1	151.2
-35°	1971.6	1406.0	866.9	649.1	525.2	445.4	378.2	329.2	273.2	210.0	153.3
-37.5°	1594.4	1072.6	745.5	567.8	485.1	418.1	360.6	314.1	263.6	207.8	154.1
-40°	1222.5	817.6	621.6	522.7	451.7	390.0	341.4	298.8	259.2	205.6	153.6
-42.5°	860.6	680.2	551.1	476.3	420.3	367.0	321.0	283.1	249.2	203.5	151.8
-45°	710.2	570.1	498.8	441.5	389.0	342.4	303.1	267.2	237.3	199.9	147.2
-47.5°	578.5	511.1	454.3	406.3	360.0	317.8	284.8	252.8	224.5	194.4	138.9
-50°	512.5	459.3	416.2	372.1	329.2	297.4	266.2	237.3	210.4	181.7	129.2
-52.5°	455.5	418.7	377.8	337.0	303.9	276.7	247.6	220.9	196.1	165.4	117.9
-55°	408.7	376.4	338.1	305.3	278.2	254.2	227.9	205.4	181.8	147.5	105.9
-57.5°	360.4	331.3	301.2	274.4	251.6	230.0	209.9	189.8	163.5	129.6	97.8
-60°	312.3	288.5	264.3	244.1	224.7	207.4	193.4	172.6	144.0	112.5	87.3
-62.5°	264.9	246.3	231.5	214.5	198.2	185.9	176.1	152.1	124.5	98.4	75.7
-65°	221.8	210.4	198.8	183.1	171.1	163.0	153.8	131.7	106.4	83.6	64.0
-67.5°	182.2	172.7	160.4	149.7	145.7	140.1	131.1	110.3	88.0	68.1	53.2
-70°	143.8	134.2	127.8	126.7	123.7	117.2	105.4	87.7	68.8	55.5	42.2
-72.5°	107.2	104.6	105.5	106.0	100.1	91.4	79.6	65.8	54.4	42.8	31.0
-75°	70.8	77.3	82.2	82.1	75.3	66.2	58.2	49.9	40.0	29.9	23.6
-77.5°	51.7	56.7	59.7	58.5	52.1	45.9	40.0	33.8	27.1	22.2	17.4
-80°	33.9	35.8	35.8	33.7	29.5	25.6	24.6	22.6	18.7	14.8	11.1
-82.5°	16.3	16.5	16.6	16.4	16.2	15.6	14.6	13.0	10.2	7.4	6.2
-85°	8.5	8.2	7.7	7.0	6.5	5.8	5.9	5.8	5.3	4.7	4.1
-87.5°	3.1	3.0	2.8	2.6	2.8	2.9	2.9	2.9	2.6	2.4	2.1
-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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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°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
82.5°	5.3	4.5	3.6	2.7	1.8	0.9	0.0
80°	7.5	5.9	4.8	3.6	2.4	1.2	0.0
77.5°	12.7	8.2	5.9	4.5	3.0	1.5	0.0
75°	17.8	11.9	7.3	5.3	3.6	1.8	0.0
72.5°	22.6	15.4	9.8	6.2	4.1	2.1	0.0
70°	27.9	18.8	12.1	7.2	4.7	2.4	0.0
67.5°	36.3	22.1	14.3	8.6	5.3	2.6	0.0
65°	44.3	26.4	16.5	9.9	5.8	2.9	0.0
62.5°	51.7	31.6	18.5	11.2	6.4	3.2	0.0
60°	58.4	36.4	20.3	12.4	6.9	3.4	0.0
57.5°	65.2	40.7	23.2	13.5	7.6	3.7	0.0
55°	71.3	44.6	25.8	14.5	8.3	4.0	0.0
52.5°	76.5	48.0	28.0	15.5	8.9	4.2	0.0
50°	80.9	51.2	30.0	16.3	9.5	4.4	0.0
47.5°	84.9	53.7	31.6	17.1	10.2	4.7	0.0
45°	91.8	55.6	32.9	18.0	10.7	4.9	0.0
42.5°	97.5	56.9	33.8	18.7	11.3	5.1	0.0
40°	102.1	57.5	34.4	19.6	11.8	5.3	0.0
37.5°	105.6	57.5	34.7	20.5	12.3	5.5	0.0
35°	107.8	58.8	34.5	21.4	12.8	5.7	0.0
32.5°	108.3	60.4	34.0	22.3	13.3	5.8	0.0
30°	106.3	61.2	33.2	23.1	13.7	6.0	0.0
27.5°	103.4	61.2	34.0	23.8	14.1	6.1	0.0
25°	99.6	60.5	35.1	24.5	14.5	6.3	0.0
22.5°	95.1	60.5	36.0	25.1	14.8	6.4	0.0
20°	89.8	63.4	36.9	25.6	15.1	6.5	0.0
17.5°	88.9	65.9	37.8	26.1	15.3	6.6	0.0
15°	90.6	68.0	38.6	26.5	15.6	6.7	0.0
12.5°	92.3	69.8	39.3	26.9	15.8	6.7	0.0
10°	93.6	71.3	39.9	27.2	15.9	6.8	0.0
7.5°	94.8	72.5	40.4	27.4	16.0	6.8	0.0
5°	95.8	73.3	40.9	27.6	16.1	6.9	0.0
2.5°	96.5	73.7	41.2	27.7	16.2	6.9	0.0
0°	96.9	73.9	41.5	27.7	16.2	6.9	0.0
-2.5°	96.5	73.7	41.2	27.7	16.2	6.9	0.0
-5°	95.8	73.3	40.9	27.6	16.1	6.9	0.0
-7.5°	94.8	72.5	40.4	27.4	16.0	6.8	0.0
-10°	93.6	71.3	39.9	27.2	15.9	6.8	0.0
-12.5°	92.3	69.8	39.3	26.9	15.8	6.7	0.0
-15°	90.6	68.0	38.6	26.5	15.6	6.7	0.0
-17.5°	88.9	65.9	37.8	26.1	15.3	6.6	0.0
-20°	89.8	63.4	36.9	25.6	15.1	6.5	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	95.1	60.5	36.0	25.1	14.8	6.4	0.0
-25°	99.6	60.5	35.1	24.5	14.5	6.3	0.0
-27.5°	103.4	61.2	34.0	23.8	14.1	6.1	0.0
-30°	106.3	61.2	33.2	23.1	13.7	6.0	0.0
-32.5°	108.3	60.4	34.0	22.3	13.3	5.8	0.0
-35°	107.8	58.8	34.5	21.4	12.8	5.7	0.0
-37.5°	105.6	57.5	34.7	20.5	12.3	5.5	0.0
-40°	102.1	57.5	34.4	19.6	11.8	5.3	0.0
-42.5°	97.5	56.9	33.8	18.7	11.3	5.1	0.0
-45°	91.8	55.6	32.9	18.0	10.7	4.9	0.0
-47.5°	84.9	53.7	31.6	17.1	10.2	4.7	0.0
-50°	80.9	51.2	30.0	16.3	9.5	4.4	0.0
-52.5°	76.5	48.0	28.0	15.5	8.9	4.2	0.0
-55°	71.3	44.6	25.8	14.5	8.3	4.0	0.0
-57.5°	65.2	40.7	23.2	13.5	7.6	3.7	0.0
-60°	58.4	36.4	20.3	12.4	6.9	3.4	0.0
-62.5°	51.7	31.6	18.5	11.2	6.4	3.2	0.0
-65°	44.3	26.4	16.5	9.9	5.8	2.9	0.0
-67.5°	36.3	22.1	14.3	8.6	5.3	2.6	0.0
-70°	27.9	18.8	12.1	7.2	4.7	2.4	0.0
-72.5°	22.6	15.4	9.8	6.2	4.1	2.1	0.0
-75°	17.8	11.9	7.3	5.3	3.6	1.8	0.0
-77.5°	12.7	8.2	5.9	4.5	3.0	1.5	0.0
-80°	7.5	5.9	4.8	3.6	2.4	1.2	0.0
-82.5°	5.3	4.5	3.6	2.7	1.8	0.9	0.0
-85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)