

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P645320 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1C-722-U-LAM-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645320 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/28/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1C-722-U-LAM-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

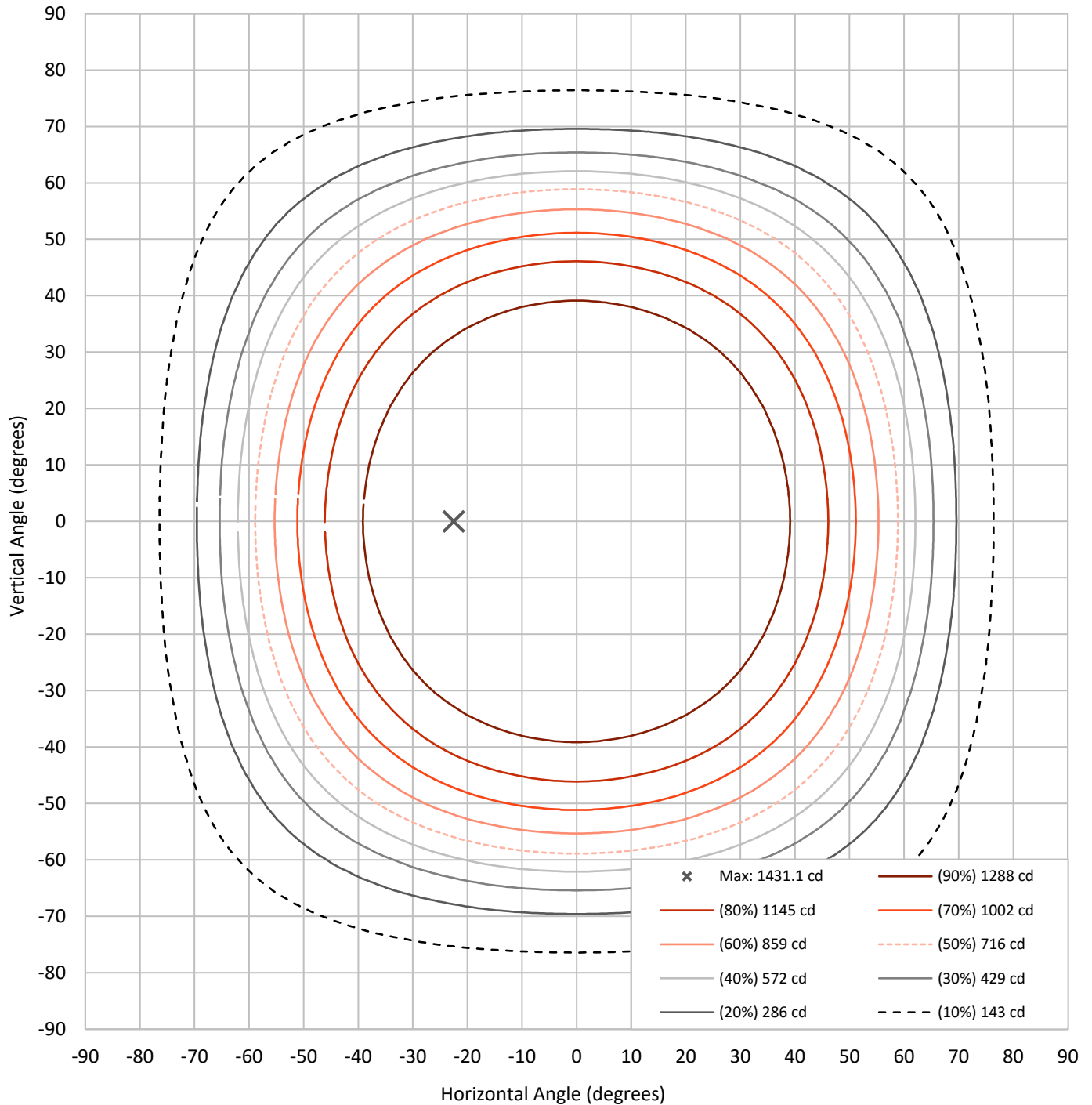
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4377.7 lumens	Max Intensity:	1431.1 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	100.6 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	3643.2 lumens	Field Lumens:	4291.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	43.5		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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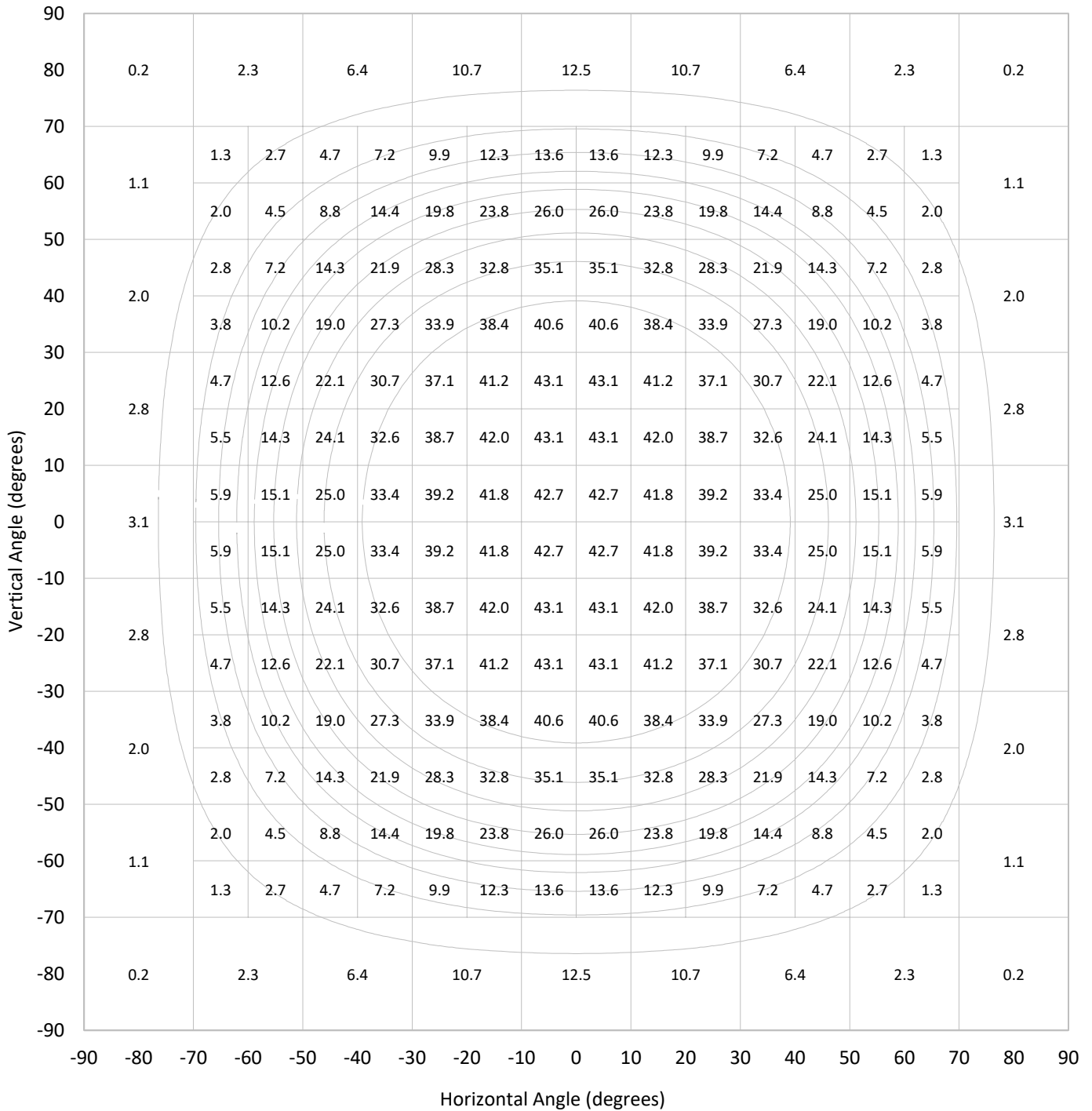
Iso-Candela Plot





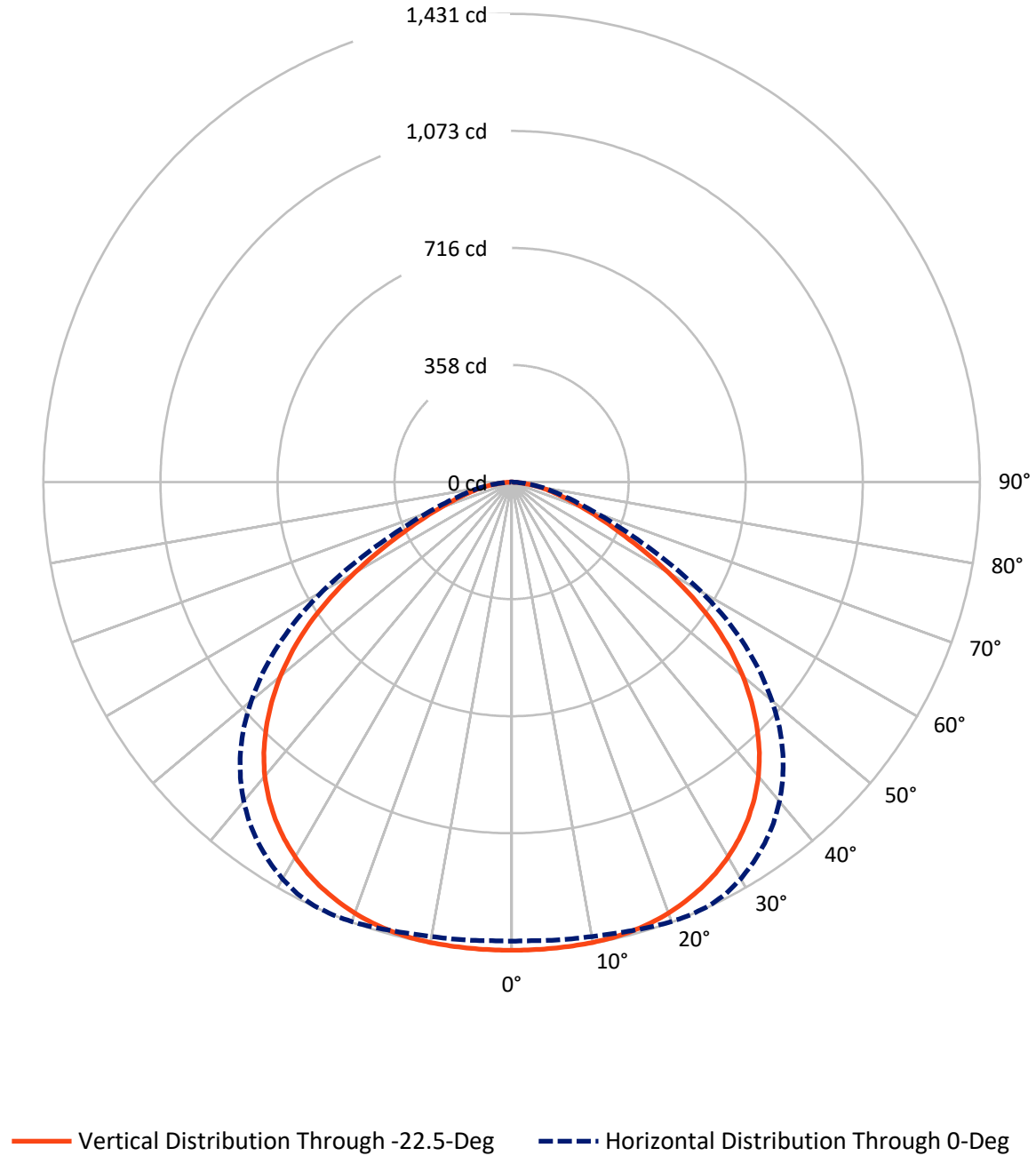
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Lumen Table



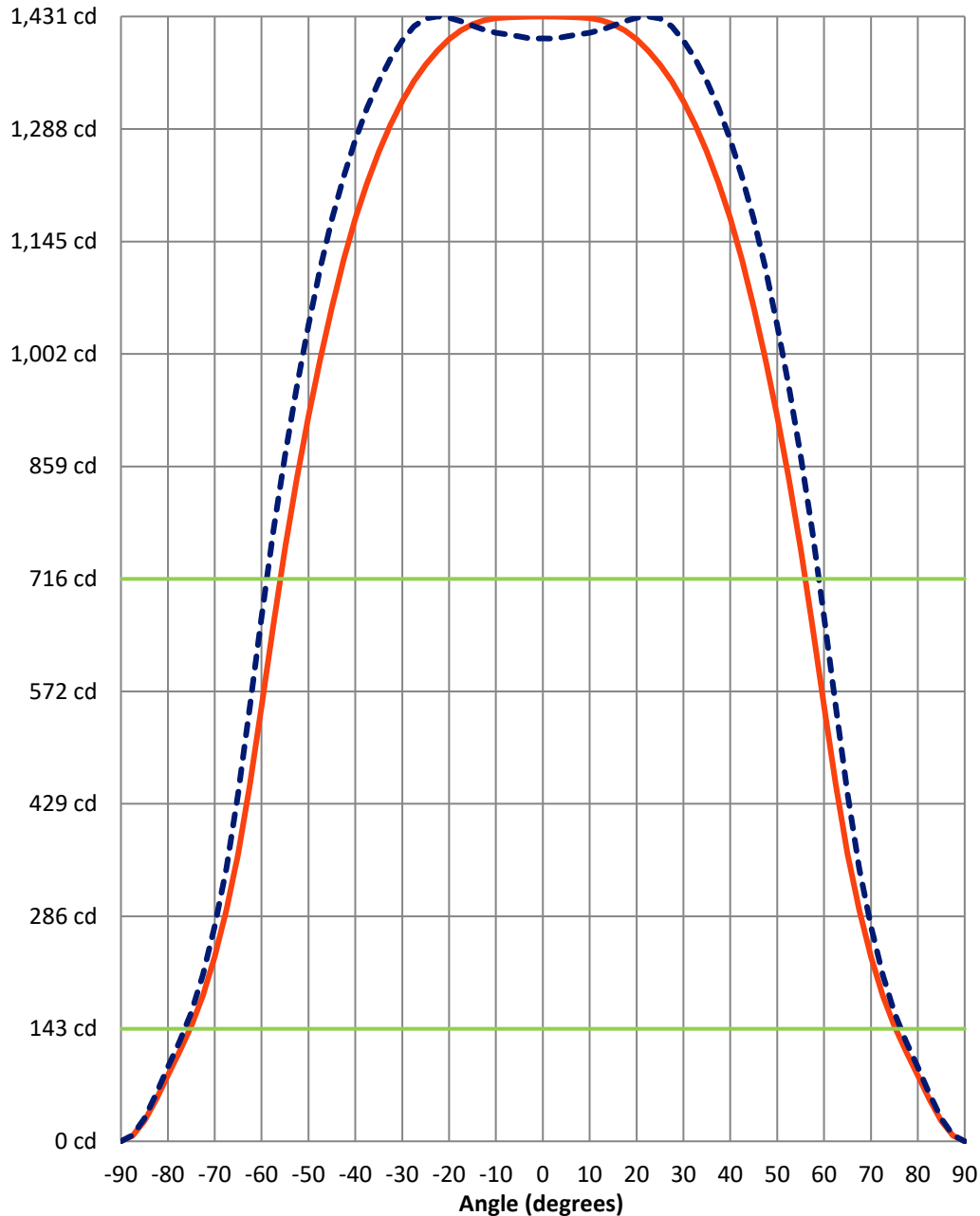
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 3643.2
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 4291.7
 Efficiency: 98.0%

Spill:
 Lumens: 86.1
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	0.3	0.7	1.0	1.4	1.7	2.0	2.3	2.7	3.0	3.3
85°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	6.0	6.6
82.5°	0.0	1.0	2.0	3.0	4.1	5.1	6.0	7.0	8.3	10.9	13.4
80°	0.0	1.4	2.7	4.1	5.4	6.7	8.4	12.0	15.5	19.0	22.4
77.5°	0.0	1.7	3.4	5.1	6.7	9.4	13.9	18.3	22.7	27.0	32.2
75°	0.0	2.0	4.0	6.0	8.4	13.9	19.2	24.5	30.1	37.6	45.0
72.5°	0.0	2.3	4.7	7.0	12.0	18.3	24.5	31.4	40.3	49.0	57.6
70°	0.0	2.7	5.3	8.3	15.5	22.7	30.1	40.3	50.4	60.4	71.2
67.5°	0.0	3.0	6.0	10.9	19.0	27.0	37.6	49.0	60.4	72.7	84.8
65°	0.0	3.3	6.6	13.4	22.4	32.2	45.0	57.6	71.2	84.8	98.1
62.5°	0.0	3.6	7.2	15.9	25.7	38.2	52.2	66.7	81.8	96.6	110.6
60°	0.0	3.9	7.8	18.4	28.9	44.1	59.3	75.8	92.2	107.7	122.9
57.5°	0.0	4.2	9.4	20.8	33.5	49.9	66.9	84.7	102.0	118.6	136.0
55°	0.0	4.5	10.9	23.1	38.0	55.5	74.3	93.4	111.4	129.5	149.4
52.5°	0.0	4.7	12.4	25.3	42.3	61.1	81.5	101.4	120.5	141.2	162.4
50°	0.0	5.0	13.9	27.5	46.6	66.9	88.5	109.2	129.8	152.6	178.6
47.5°	0.0	5.3	15.3	29.8	50.6	72.5	95.2	116.7	139.5	163.6	194.6
45°	0.0	5.5	16.6	32.8	54.6	77.9	101.4	123.9	148.9	177.4	210.1
42.5°	0.0	5.7	17.9	35.6	58.3	83.1	107.3	131.4	158.0	190.7	228.4
40°	0.0	6.0	19.1	38.3	62.1	88.1	113.0	138.9	167.5	203.5	246.4
37.5°	0.0	6.2	20.3	40.8	65.8	92.8	118.3	146.1	178.2	216.6	263.6
35°	0.0	6.4	21.4	43.2	69.4	97.1	123.4	152.8	188.4	231.2	281.2
32.5°	0.0	6.6	22.4	45.5	72.7	101.0	128.4	159.2	198.1	245.0	299.6
30°	0.0	6.8	23.4	47.6	75.8	104.7	133.5	165.6	207.1	257.8	316.9
27.5°	0.0	6.9	24.3	49.5	78.7	108.2	138.2	172.9	216.2	269.8	333.1
25°	0.0	7.1	25.1	51.3	81.4	111.4	142.6	179.6	226.0	282.3	348.1
22.5°	0.0	7.2	25.8	53.0	83.8	114.3	146.6	185.7	234.9	294.4	365.7
20°	0.0	7.3	26.5	54.5	86.0	116.9	150.1	191.2	242.9	305.4	381.5
17.5°	0.0	7.4	27.1	55.8	87.9	119.2	153.3	196.1	250.1	315.1	395.6
15°	0.0	7.5	27.6	56.9	89.6	121.2	156.1	200.4	256.3	323.6	408.0
12.5°	0.0	7.6	28.1	57.9	91.0	122.9	158.4	204.0	261.6	330.8	418.4
10°	0.0	7.7	28.5	58.7	92.2	124.3	160.3	207.0	265.9	336.7	427.1
7.5°	0.0	7.7	28.7	59.3	93.1	125.4	161.9	209.3	269.3	341.3	433.8
5°	0.0	7.8	28.9	59.7	93.8	126.2	162.9	211.0	271.8	344.6	438.6
2.5°	0.0	7.8	29.1	60.0	94.2	126.6	163.6	212.0	273.2	346.6	441.5
0°	0.0	7.8	29.1	60.1	94.3	126.8	163.8	212.3	273.7	347.3	442.5
-2.5°	0.0	7.8	29.1	60.0	94.2	126.6	163.6	212.0	273.2	346.6	441.5
-5°	0.0	7.8	28.9	59.7	93.8	126.2	162.9	211.0	271.8	344.6	438.6
-7.5°	0.0	7.7	28.7	59.3	93.1	125.4	161.9	209.3	269.3	341.3	433.8
-10°	0.0	7.7	28.5	58.7	92.2	124.3	160.3	207.0	265.9	336.7	427.1
-12.5°	0.0	7.6	28.1	57.9	91.0	122.9	158.4	204.0	261.6	330.8	418.4
-15°	0.0	7.5	27.6	56.9	89.6	121.2	156.1	200.4	256.3	323.6	408.0
-17.5°	0.0	7.4	27.1	55.8	87.9	119.2	153.3	196.1	250.1	315.1	395.6
-20°	0.0	7.3	26.5	54.5	86.0	116.9	150.1	191.2	242.9	305.4	381.5

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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	7.2	25.8	53.0	83.8	114.3	146.6	185.7	234.9	294.4	365.7
-25°	0.0	7.1	25.1	51.3	81.4	111.4	142.6	179.6	226.0	282.3	348.1
-27.5°	0.0	6.9	24.3	49.5	78.7	108.2	138.2	172.9	216.2	269.8	333.1
-30°	0.0	6.8	23.4	47.6	75.8	104.7	133.5	165.6	207.1	257.8	316.9
-32.5°	0.0	6.6	22.4	45.5	72.7	101.0	128.4	159.2	198.1	245.0	299.6
-35°	0.0	6.4	21.4	43.2	69.4	97.1	123.4	152.8	188.4	231.2	281.2
-37.5°	0.0	6.2	20.3	40.8	65.8	92.8	118.3	146.1	178.2	216.6	263.6
-40°	0.0	6.0	19.1	38.3	62.1	88.1	113.0	138.9	167.5	203.5	246.4
-42.5°	0.0	5.7	17.9	35.6	58.3	83.1	107.3	131.4	158.0	190.7	228.4
-45°	0.0	5.5	16.6	32.8	54.6	77.9	101.4	123.9	148.9	177.4	210.1
-47.5°	0.0	5.3	15.3	29.8	50.6	72.5	95.2	116.7	139.5	163.6	194.6
-50°	0.0	5.0	13.9	27.5	46.6	66.9	88.5	109.2	129.8	152.6	178.6
-52.5°	0.0	4.7	12.4	25.3	42.3	61.1	81.5	101.4	120.5	141.2	162.4
-55°	0.0	4.5	10.9	23.1	38.0	55.5	74.3	93.4	111.4	129.5	149.4
-57.5°	0.0	4.2	9.4	20.8	33.5	49.9	66.9	84.7	102.0	118.6	136.0
-60°	0.0	3.9	7.8	18.4	28.9	44.1	59.3	75.8	92.2	107.7	122.9
-62.5°	0.0	3.6	7.2	15.9	25.7	38.2	52.2	66.7	81.8	96.6	110.6
-65°	0.0	3.3	6.6	13.4	22.4	32.2	45.0	57.6	71.2	84.8	98.1
-67.5°	0.0	3.0	6.0	10.9	19.0	27.0	37.6	49.0	60.4	72.7	84.8
-70°	0.0	2.7	5.3	8.3	15.5	22.7	30.1	40.3	50.4	60.4	71.2
-72.5°	0.0	2.3	4.7	7.0	12.0	18.3	24.5	31.4	40.3	49.0	57.6
-75°	0.0	2.0	4.0	6.0	8.4	13.9	19.2	24.5	30.1	37.6	45.0
-77.5°	0.0	1.7	3.4	5.1	6.7	9.4	13.9	18.3	22.7	27.0	32.2
-80°	0.0	1.4	2.7	4.1	5.4	6.7	8.4	12.0	15.5	19.0	22.4
-82.5°	0.0	1.0	2.0	3.0	4.1	5.1	6.0	7.0	8.3	10.9	13.4
-85°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	6.0	6.6
-87.5°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.3	2.7	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: P645320 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-LAM-XX

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°	3.6	3.9	4.2	4.5	4.7	5.0	5.3	5.5	5.7	6.0	6.2
85°	7.2	7.8	9.4	10.9	12.4	13.9	15.3	16.6	17.9	19.1	20.3
82.5°	15.9	18.4	20.8	23.1	25.3	27.5	29.8	32.8	35.6	38.3	40.8
80°	25.7	28.9	33.5	38.0	42.3	46.6	50.6	54.6	58.3	62.1	65.8
77.5°	38.2	44.1	49.9	55.5	61.1	66.9	72.5	77.9	83.1	88.1	92.8
75°	52.2	59.3	66.9	74.3	81.5	88.5	95.2	101.4	107.3	113.0	118.3
72.5°	66.7	75.8	84.7	93.4	101.4	109.2	116.7	123.9	131.4	138.9	146.1
70°	81.8	92.2	102.0	111.4	120.5	129.8	139.5	148.9	158.0	167.5	178.2
67.5°	96.6	107.7	118.6	129.5	141.2	152.6	163.6	177.4	190.7	203.5	216.6
65°	110.6	122.9	136.0	149.4	162.4	178.6	194.6	210.1	228.4	246.4	263.6
62.5°	124.3	139.4	154.4	170.7	189.5	207.8	228.9	250.5	271.3	294.8	317.5
60°	139.4	156.1	175.1	196.1	217.7	242.9	267.4	294.4	321.7	348.1	380.5
57.5°	154.4	175.1	198.3	223.3	251.4	279.7	311.5	342.3	379.2	416.0	452.7
55°	170.7	196.1	223.3	254.2	286.6	321.8	358.7	401.7	443.2	489.6	533.9
52.5°	189.5	217.7	251.4	286.6	325.3	367.7	415.3	464.5	516.2	566.5	615.9
50°	207.8	242.9	279.7	321.8	367.7	419.8	475.1	532.4	589.0	644.1	695.8
47.5°	228.9	267.4	311.5	358.7	415.3	475.1	537.8	600.3	661.3	717.9	772.1
45°	250.5	294.4	342.3	401.7	464.5	532.4	600.3	667.0	729.0	787.5	838.6
42.5°	271.3	321.7	379.2	443.2	516.2	589.0	661.3	729.0	792.5	848.8	900.2
40°	294.8	348.1	416.0	489.6	566.5	644.1	717.9	787.5	848.8	904.9	956.9
37.5°	317.5	380.5	452.7	533.9	615.9	695.8	772.1	838.6	900.2	956.9	1006.9
35°	339.2	411.2	491.7	576.9	663.0	744.3	818.5	886.2	947.4	1002.5	1053.5
32.5°	363.3	440.3	528.5	618.2	705.9	788.7	862.2	928.5	989.3	1045.2	1095.9
30°	388.1	471.6	563.5	657.2	746.2	827.1	900.6	967.7	1028.0	1083.2	1132.9
27.5°	411.2	501.2	596.9	692.4	783.0	863.2	935.7	1001.8	1062.4	1118.0	1166.1
25°	432.6	528.5	627.8	724.6	814.0	894.4	967.5	1033.6	1093.9	1147.2	1194.0
22.5°	453.6	553.6	656.2	754.2	842.5	922.3	994.7	1060.9	1121.3	1174.1	1219.0
20°	474.1	576.9	681.1	780.4	868.3	947.6	1019.5	1085.6	1144.3	1195.5	1240.2
17.5°	492.4	597.7	703.0	801.6	889.5	969.2	1041.4	1107.7	1165.0	1214.7	1258.5
15°	508.3	615.9	722.1	820.1	907.8	987.2	1059.4	1124.9	1181.9	1231.2	1274.6
12.5°	521.8	631.4	738.5	835.9	923.4	1002.6	1074.8	1139.4	1195.4	1244.1	1286.5
10°	533.0	644.1	751.9	849.0	936.3	1015.3	1087.5	1151.4	1206.6	1254.8	1296.5
7.5°	541.7	654.1	762.4	859.2	946.4	1025.2	1097.5	1160.8	1215.4	1263.2	1304.4
5°	548.0	661.3	769.9	866.5	953.7	1032.4	1104.6	1167.6	1221.8	1269.3	1310.0
2.5°	551.7	665.6	774.5	870.9	958.0	1036.7	1109.0	1171.6	1225.6	1273.0	1313.5
0°	553.0	667.0	776.0	872.4	959.5	1038.1	1110.4	1173.0	1226.9	1274.2	1314.6
-2.5°	551.7	665.6	774.5	870.9	958.0	1036.7	1109.0	1171.6	1225.6	1273.0	1313.5
-5°	548.0	661.3	769.9	866.5	953.7	1032.4	1104.6	1167.6	1221.8	1269.3	1310.0
-7.5°	541.7	654.1	762.4	859.2	946.4	1025.2	1097.5	1160.8	1215.4	1263.2	1304.4
-10°	533.0	644.1	751.9	849.0	936.3	1015.3	1087.5	1151.4	1206.6	1254.8	1296.5
-12.5°	521.8	631.4	738.5	835.9	923.4	1002.6	1074.8	1139.4	1195.4	1244.1	1286.5
-15°	508.3	615.9	722.1	820.1	907.8	987.2	1059.4	1124.9	1181.9	1231.2	1274.6
-17.5°	492.4	597.7	703.0	801.6	889.5	969.2	1041.4	1107.7	1165.0	1214.7	1258.5
-20°	474.1	576.9	681.1	780.4	868.3	947.6	1019.5	1085.6	1144.3	1195.5	1240.2

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	453.6	553.6	656.2	754.2	842.5	922.3	994.7	1060.9	1121.3	1174.1	1219.0
-25°	432.6	528.5	627.8	724.6	814.0	894.4	967.5	1033.6	1093.9	1147.2	1194.0
-27.5°	411.2	501.2	596.9	692.4	783.0	863.2	935.7	1001.8	1062.4	1118.0	1166.1
-30°	388.1	471.6	563.5	657.2	746.2	827.1	900.6	967.7	1028.0	1083.2	1132.9
-32.5°	363.3	440.3	528.5	618.2	705.9	788.7	862.2	928.5	989.3	1045.2	1095.9
-35°	339.2	411.2	491.7	576.9	663.0	744.3	818.5	886.2	947.4	1002.5	1053.5
-37.5°	317.5	380.5	452.7	533.9	615.9	695.8	772.1	838.6	900.2	956.9	1006.9
-40°	294.8	348.1	416.0	489.6	566.5	644.1	717.9	787.5	848.8	904.9	956.9
-42.5°	271.3	321.7	379.2	443.2	516.2	589.0	661.3	729.0	792.5	848.8	900.2
-45°	250.5	294.4	342.3	401.7	464.5	532.4	600.3	667.0	729.0	787.5	838.6
-47.5°	228.9	267.4	311.5	358.7	415.3	475.1	537.8	600.3	661.3	717.9	772.1
-50°	207.8	242.9	279.7	321.8	367.7	419.8	475.1	532.4	589.0	644.1	695.8
-52.5°	189.5	217.7	251.4	286.6	325.3	367.7	415.3	464.5	516.2	566.5	615.9
-55°	170.7	196.1	223.3	254.2	286.6	321.8	358.7	401.7	443.2	489.6	533.9
-57.5°	154.4	175.1	198.3	223.3	251.4	279.7	311.5	342.3	379.2	416.0	452.7
-60°	139.4	156.1	175.1	196.1	217.7	242.9	267.4	294.4	321.7	348.1	380.5
-62.5°	124.3	139.4	154.4	170.7	189.5	207.8	228.9	250.5	271.3	294.8	317.5
-65°	110.6	122.9	136.0	149.4	162.4	178.6	194.6	210.1	228.4	246.4	263.6
-67.5°	96.6	107.7	118.6	129.5	141.2	152.6	163.6	177.4	190.7	203.5	216.6
-70°	81.8	92.2	102.0	111.4	120.5	129.8	139.5	148.9	158.0	167.5	178.2
-72.5°	66.7	75.8	84.7	93.4	101.4	109.2	116.7	123.9	131.4	138.9	146.1
-75°	52.2	59.3	66.9	74.3	81.5	88.5	95.2	101.4	107.3	113.0	118.3
-77.5°	38.2	44.1	49.9	55.5	61.1	66.9	72.5	77.9	83.1	88.1	92.8
-80°	25.7	28.9	33.5	38.0	42.3	46.6	50.6	54.6	58.3	62.1	65.8
-82.5°	15.9	18.4	20.8	23.1	25.3	27.5	29.8	32.8	35.6	38.3	40.8
-85°	7.2	7.8	9.4	10.9	12.4	13.9	15.3	16.6	17.9	19.1	20.3
-87.5°	3.6	3.9	4.2	4.5	4.7	5.0	5.3	5.5	5.7	6.0	6.2
-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: P645320 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-LAM-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°	6.4	6.6	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6	7.7
85°	21.4	22.4	23.4	24.3	25.1	25.8	26.5	27.1	27.6	28.1	28.5
82.5°	43.2	45.5	47.6	49.5	51.3	53.0	54.5	55.8	56.9	57.9	58.7
80°	69.4	72.7	75.8	78.7	81.4	83.8	86.0	87.9	89.6	91.0	92.2
77.5°	97.1	101.0	104.7	108.2	111.4	114.3	116.9	119.2	121.2	122.9	124.3
75°	123.4	128.4	133.5	138.2	142.6	146.6	150.1	153.3	156.1	158.4	160.3
72.5°	152.8	159.2	165.6	172.9	179.6	185.7	191.2	196.1	200.4	204.0	207.0
70°	188.4	198.1	207.1	216.2	226.0	234.9	242.9	250.1	256.3	261.6	265.9
67.5°	231.2	245.0	257.8	269.8	282.3	294.4	305.4	315.1	323.6	330.8	336.7
65°	281.2	299.6	316.9	333.1	348.1	365.7	381.5	395.6	408.0	418.4	427.1
62.5°	339.2	363.3	388.1	411.2	432.6	453.6	474.1	492.4	508.3	521.8	533.0
60°	411.2	440.3	471.6	501.2	528.5	553.6	576.9	597.7	615.9	631.4	644.1
57.5°	491.7	528.5	563.5	596.9	627.8	656.2	681.1	703.0	722.1	738.5	751.9
55°	576.9	618.2	657.2	692.4	724.6	754.2	780.4	801.6	820.1	835.9	849.0
52.5°	663.0	705.9	746.2	783.0	814.0	842.5	868.3	889.5	907.8	923.4	936.3
50°	744.3	788.7	827.1	863.2	894.4	922.3	947.6	969.2	987.2	1002.6	1015.3
47.5°	818.5	862.2	900.6	935.7	967.5	994.7	1019.5	1041.4	1059.4	1074.8	1087.5
45°	886.2	928.5	967.7	1001.8	1033.6	1060.9	1085.6	1107.7	1124.9	1139.4	1151.4
42.5°	947.4	989.3	1028.0	1062.4	1093.9	1121.3	1144.3	1165.0	1181.9	1195.4	1206.6
40°	1002.5	1045.2	1083.2	1118.0	1147.2	1174.1	1195.5	1214.7	1231.2	1244.1	1254.8
37.5°	1053.5	1095.9	1132.9	1166.1	1194.0	1219.0	1240.2	1258.5	1274.6	1286.5	1296.5
35°	1100.1	1140.4	1177.0	1207.5	1235.2	1258.7	1279.6	1296.4	1311.4	1322.8	1331.8
32.5°	1140.4	1180.4	1214.4	1244.4	1271.4	1293.4	1313.3	1328.8	1342.4	1353.3	1361.7
30°	1177.0	1214.4	1247.5	1277.3	1301.8	1323.3	1341.2	1356.3	1368.8	1379.3	1386.7
27.5°	1207.5	1244.4	1277.3	1304.7	1328.2	1348.8	1365.2	1379.7	1390.7	1400.4	1406.7
25°	1235.2	1271.4	1301.8	1328.2	1351.0	1369.8	1385.5	1398.6	1408.3	1416.5	1421.3
22.5°	1258.7	1293.4	1323.3	1348.8	1369.8	1387.4	1402.2	1413.3	1421.2	1426.3	1429.1
20°	1279.6	1313.3	1341.2	1365.2	1385.5	1402.2	1414.9	1423.2	1428.8	1430.2	1431.0
17.5°	1296.4	1328.8	1356.3	1379.7	1398.6	1413.3	1423.2	1429.0	1430.7	1430.4	1429.5
15°	1311.4	1342.4	1368.8	1390.7	1408.3	1421.2	1428.8	1430.7	1430.2	1428.5	1425.9
12.5°	1322.8	1353.3	1379.3	1400.4	1416.5	1426.3	1430.2	1430.4	1428.5	1425.3	1421.6
10°	1331.8	1361.7	1386.7	1406.7	1421.3	1429.1	1431.0	1429.5	1425.9	1421.6	1417.6
7.5°	1339.0	1368.4	1392.6	1411.8	1424.4	1429.9	1430.3	1427.7	1423.4	1418.5	1414.2
5°	1344.2	1373.3	1396.9	1415.5	1426.7	1430.6	1429.9	1426.3	1421.3	1416.2	1412.2
2.5°	1347.3	1376.2	1399.5	1417.7	1428.1	1431.0	1429.6	1425.4	1420.0	1414.7	1410.9
0°	1348.4	1377.2	1400.4	1418.5	1428.6	1431.1	1429.5	1425.1	1419.5	1414.2	1410.4
-2.5°	1347.3	1376.2	1399.5	1417.7	1428.1	1431.0	1429.6	1425.4	1420.0	1414.7	1410.9
-5°	1344.2	1373.3	1396.9	1415.5	1426.7	1430.6	1429.9	1426.3	1421.3	1416.2	1412.2
-7.5°	1339.0	1368.4	1392.6	1411.8	1424.4	1429.9	1430.3	1427.7	1423.4	1418.5	1414.2
-10°	1331.8	1361.7	1386.7	1406.7	1421.3	1429.1	1431.0	1429.5	1425.9	1421.6	1417.6
-12.5°	1322.8	1353.3	1379.3	1400.4	1416.5	1426.3	1430.2	1430.4	1428.5	1425.3	1421.6
-15°	1311.4	1342.4	1368.8	1390.7	1408.3	1421.2	1428.8	1430.7	1430.2	1428.5	1425.9
-17.5°	1296.4	1328.8	1356.3	1379.7	1398.6	1413.3	1423.2	1429.0	1430.7	1430.4	1429.5
-20°	1279.6	1313.3	1341.2	1365.2	1385.5	1402.2	1414.9	1423.2	1428.8	1430.2	1431.0



REPORT NUMBER: P645320 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1258.7	1293.4	1323.3	1348.8	1369.8	1387.4	1402.2	1413.3	1421.2	1426.3	1429.1
-25°	1235.2	1271.4	1301.8	1328.2	1351.0	1369.8	1385.5	1398.6	1408.3	1416.5	1421.3
-27.5°	1207.5	1244.4	1277.3	1304.7	1328.2	1348.8	1365.2	1379.7	1390.7	1400.4	1406.7
-30°	1177.0	1214.4	1247.5	1277.3	1301.8	1323.3	1341.2	1356.3	1368.8	1379.3	1386.7
-32.5°	1140.4	1180.4	1214.4	1244.4	1271.4	1293.4	1313.3	1328.8	1342.4	1353.3	1361.7
-35°	1100.1	1140.4	1177.0	1207.5	1235.2	1258.7	1279.6	1296.4	1311.4	1322.8	1331.8
-37.5°	1053.5	1095.9	1132.9	1166.1	1194.0	1219.0	1240.2	1258.5	1274.6	1286.5	1296.5
-40°	1002.5	1045.2	1083.2	1118.0	1147.2	1174.1	1195.5	1214.7	1231.2	1244.1	1254.8
-42.5°	947.4	989.3	1028.0	1062.4	1093.9	1121.3	1144.3	1165.0	1181.9	1195.4	1206.6
-45°	886.2	928.5	967.7	1001.8	1033.6	1060.9	1085.6	1107.7	1124.9	1139.4	1151.4
-47.5°	818.5	862.2	900.6	935.7	967.5	994.7	1019.5	1041.4	1059.4	1074.8	1087.5
-50°	744.3	788.7	827.1	863.2	894.4	922.3	947.6	969.2	987.2	1002.6	1015.3
-52.5°	663.0	705.9	746.2	783.0	814.0	842.5	868.3	889.5	907.8	923.4	936.3
-55°	576.9	618.2	657.2	692.4	724.6	754.2	780.4	801.6	820.1	835.9	849.0
-57.5°	491.7	528.5	563.5	596.9	627.8	656.2	681.1	703.0	722.1	738.5	751.9
-60°	411.2	440.3	471.6	501.2	528.5	553.6	576.9	597.7	615.9	631.4	644.1
-62.5°	339.2	363.3	388.1	411.2	432.6	453.6	474.1	492.4	508.3	521.8	533.0
-65°	281.2	299.6	316.9	333.1	348.1	365.7	381.5	395.6	408.0	418.4	427.1
-67.5°	231.2	245.0	257.8	269.8	282.3	294.4	305.4	315.1	323.6	330.8	336.7
-70°	188.4	198.1	207.1	216.2	226.0	234.9	242.9	250.1	256.3	261.6	265.9
-72.5°	152.8	159.2	165.6	172.9	179.6	185.7	191.2	196.1	200.4	204.0	207.0
-75°	123.4	128.4	133.5	138.2	142.6	146.6	150.1	153.3	156.1	158.4	160.3
-77.5°	97.1	101.0	104.7	108.2	111.4	114.3	116.9	119.2	121.2	122.9	124.3
-80°	69.4	72.7	75.8	78.7	81.4	83.8	86.0	87.9	89.6	91.0	92.2
-82.5°	43.2	45.5	47.6	49.5	51.3	53.0	54.5	55.8	56.9	57.9	58.7
-85°	21.4	22.4	23.4	24.3	25.1	25.8	26.5	27.1	27.6	28.1	28.5
-87.5°	6.4	6.6	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6	7.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645320 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-LAM-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°	7.7	7.8	7.8	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.4
85°	28.7	28.9	29.1	29.1	29.1	28.9	28.7	28.5	28.1	27.6	27.1
82.5°	59.3	59.7	60.0	60.1	60.0	59.7	59.3	58.7	57.9	56.9	55.8
80°	93.1	93.8	94.2	94.3	94.2	93.8	93.1	92.2	91.0	89.6	87.9
77.5°	125.4	126.2	126.6	126.8	126.6	126.2	125.4	124.3	122.9	121.2	119.2
75°	161.9	162.9	163.6	163.8	163.6	162.9	161.9	160.3	158.4	156.1	153.3
72.5°	209.3	211.0	212.0	212.3	212.0	211.0	209.3	207.0	204.0	200.4	196.1
70°	269.3	271.8	273.2	273.7	273.2	271.8	269.3	265.9	261.6	256.3	250.1
67.5°	341.3	344.6	346.6	347.3	346.6	344.6	341.3	336.7	330.8	323.6	315.1
65°	433.8	438.6	441.5	442.5	441.5	438.6	433.8	427.1	418.4	408.0	395.6
62.5°	541.7	548.0	551.7	553.0	551.7	548.0	541.7	533.0	521.8	508.3	492.4
60°	654.1	661.3	665.6	667.0	665.6	661.3	654.1	644.1	631.4	615.9	597.7
57.5°	762.4	769.9	774.5	776.0	774.5	769.9	762.4	751.9	738.5	722.1	703.0
55°	859.2	866.5	870.9	872.4	870.9	866.5	859.2	849.0	835.9	820.1	801.6
52.5°	946.4	953.7	958.0	959.5	958.0	953.7	946.4	936.3	923.4	907.8	889.5
50°	1025.2	1032.4	1036.7	1038.1	1036.7	1032.4	1025.2	1015.3	1002.6	987.2	969.2
47.5°	1097.5	1104.6	1109.0	1110.4	1109.0	1104.6	1097.5	1087.5	1074.8	1059.4	1041.4
45°	1160.8	1167.6	1171.6	1173.0	1171.6	1167.6	1160.8	1151.4	1139.4	1124.9	1107.7
42.5°	1215.4	1221.8	1225.6	1226.9	1225.6	1221.8	1215.4	1206.6	1195.4	1181.9	1165.0
40°	1263.2	1269.3	1273.0	1274.2	1273.0	1269.3	1263.2	1254.8	1244.1	1231.2	1214.7
37.5°	1304.4	1310.0	1313.5	1314.6	1313.5	1310.0	1304.4	1296.5	1286.5	1274.6	1258.5
35°	1339.0	1344.2	1347.3	1348.4	1347.3	1344.2	1339.0	1331.8	1322.8	1311.4	1296.4
32.5°	1368.4	1373.3	1376.2	1377.2	1376.2	1373.3	1368.4	1361.7	1353.3	1342.4	1328.8
30°	1392.6	1396.9	1399.5	1400.4	1399.5	1396.9	1392.6	1386.7	1379.3	1368.8	1356.3
27.5°	1411.8	1415.5	1417.7	1418.5	1417.7	1415.5	1411.8	1406.7	1400.4	1390.7	1379.7
25°	1424.4	1426.7	1428.1	1428.6	1428.1	1426.7	1424.4	1421.3	1416.5	1408.3	1398.6
22.5°	1429.9	1430.6	1431.0	1431.1	1431.0	1430.6	1429.9	1429.1	1426.3	1421.2	1413.3
20°	1430.3	1429.9	1429.6	1429.5	1429.6	1429.9	1430.3	1431.0	1430.2	1428.8	1423.2
17.5°	1427.7	1426.3	1425.4	1425.1	1425.4	1426.3	1427.7	1429.5	1430.4	1430.7	1429.0
15°	1423.4	1421.3	1420.0	1419.5	1420.0	1421.3	1423.4	1425.9	1428.5	1430.2	1430.7
12.5°	1418.5	1416.2	1414.7	1414.2	1414.7	1416.2	1418.5	1421.6	1425.3	1428.5	1430.4
10°	1414.2	1412.2	1410.9	1410.4	1410.9	1412.2	1414.2	1417.6	1421.6	1425.9	1429.5
7.5°	1411.3	1409.5	1408.6	1408.2	1408.6	1409.5	1411.3	1414.2	1418.5	1423.4	1427.7
5°	1409.5	1407.8	1406.3	1405.7	1406.3	1407.8	1409.5	1412.2	1416.2	1421.3	1426.3
2.5°	1408.6	1406.3	1404.1	1402.9	1404.1	1406.3	1408.6	1410.9	1414.7	1420.0	1425.4
0°	1408.2	1405.7	1402.9	1403.2	1402.9	1405.7	1408.2	1410.4	1414.2	1419.5	1425.1
-2.5°	1408.6	1406.3	1404.1	1402.9	1404.1	1406.3	1408.6	1410.9	1414.7	1420.0	1425.4
-5°	1409.5	1407.8	1406.3	1405.7	1406.3	1407.8	1409.5	1412.2	1416.2	1421.3	1426.3
-7.5°	1411.3	1409.5	1408.6	1408.2	1408.6	1409.5	1411.3	1414.2	1418.5	1423.4	1427.7
-10°	1414.2	1412.2	1410.9	1410.4	1410.9	1412.2	1414.2	1417.6	1421.6	1425.9	1429.5
-12.5°	1418.5	1416.2	1414.7	1414.2	1414.7	1416.2	1418.5	1421.6	1425.3	1428.5	1430.4
-15°	1423.4	1421.3	1420.0	1419.5	1420.0	1421.3	1423.4	1425.9	1428.5	1430.2	1430.7
-17.5°	1427.7	1426.3	1425.4	1425.1	1425.4	1426.3	1427.7	1429.5	1430.4	1430.7	1429.0
-20°	1430.3	1429.9	1429.6	1429.5	1429.6	1429.9	1430.3	1431.0	1430.2	1428.8	1423.2



REPORT NUMBER: P645320 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1429.9	1430.6	1431.0	1431.1	1431.0	1430.6	1429.9	1429.1	1426.3	1421.2	1413.3
-25°	1424.4	1426.7	1428.1	1428.6	1428.1	1426.7	1424.4	1421.3	1416.5	1408.3	1398.6
-27.5°	1411.8	1415.5	1417.7	1418.5	1417.7	1415.5	1411.8	1406.7	1400.4	1390.7	1379.7
-30°	1392.6	1396.9	1399.5	1400.4	1399.5	1396.9	1392.6	1386.7	1379.3	1368.8	1356.3
-32.5°	1368.4	1373.3	1376.2	1377.2	1376.2	1373.3	1368.4	1361.7	1353.3	1342.4	1328.8
-35°	1339.0	1344.2	1347.3	1348.4	1347.3	1344.2	1339.0	1331.8	1322.8	1311.4	1296.4
-37.5°	1304.4	1310.0	1313.5	1314.6	1313.5	1310.0	1304.4	1296.5	1286.5	1274.6	1258.5
-40°	1263.2	1269.3	1273.0	1274.2	1273.0	1269.3	1263.2	1254.8	1244.1	1231.2	1214.7
-42.5°	1215.4	1221.8	1225.6	1226.9	1225.6	1221.8	1215.4	1206.6	1195.4	1181.9	1165.0
-45°	1160.8	1167.6	1171.6	1173.0	1171.6	1167.6	1160.8	1151.4	1139.4	1124.9	1107.7
-47.5°	1097.5	1104.6	1109.0	1110.4	1109.0	1104.6	1097.5	1087.5	1074.8	1059.4	1041.4
-50°	1025.2	1032.4	1036.7	1038.1	1036.7	1032.4	1025.2	1015.3	1002.6	987.2	969.2
-52.5°	946.4	953.7	958.0	959.5	958.0	953.7	946.4	936.3	923.4	907.8	889.5
-55°	859.2	866.5	870.9	872.4	870.9	866.5	859.2	849.0	835.9	820.1	801.6
-57.5°	762.4	769.9	774.5	776.0	774.5	769.9	762.4	751.9	738.5	722.1	703.0
-60°	654.1	661.3	665.6	667.0	665.6	661.3	654.1	644.1	631.4	615.9	597.7
-62.5°	541.7	548.0	551.7	553.0	551.7	548.0	541.7	533.0	521.8	508.3	492.4
-65°	433.8	438.6	441.5	442.5	441.5	438.6	433.8	427.1	418.4	408.0	395.6
-67.5°	341.3	344.6	346.6	347.3	346.6	344.6	341.3	336.7	330.8	323.6	315.1
-70°	269.3	271.8	273.2	273.7	273.2	271.8	269.3	265.9	261.6	256.3	250.1
-72.5°	209.3	211.0	212.0	212.3	212.0	211.0	209.3	207.0	204.0	200.4	196.1
-75°	161.9	162.9	163.6	163.8	163.6	162.9	161.9	160.3	158.4	156.1	153.3
-77.5°	125.4	126.2	126.6	126.8	126.6	126.2	125.4	124.3	122.9	121.2	119.2
-80°	93.1	93.8	94.2	94.3	94.2	93.8	93.1	92.2	91.0	89.6	87.9
-82.5°	59.3	59.7	60.0	60.1	60.0	59.7	59.3	58.7	57.9	56.9	55.8
-85°	28.7	28.9	29.1	29.1	29.1	28.9	28.7	28.5	28.1	27.6	27.1
-87.5°	7.7	7.8	7.8	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.4
-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: P645320 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-LAM-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°	7.3	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.7	5.5
85°	26.5	25.8	25.1	24.3	23.4	22.4	21.4	20.3	19.1	17.9	16.6
82.5°	54.5	53.0	51.3	49.5	47.6	45.5	43.2	40.8	38.3	35.6	32.8
80°	86.0	83.8	81.4	78.7	75.8	72.7	69.4	65.8	62.1	58.3	54.6
77.5°	116.9	114.3	111.4	108.2	104.7	101.0	97.1	92.8	88.1	83.1	77.9
75°	150.1	146.6	142.6	138.2	133.5	128.4	123.4	118.3	113.0	107.3	101.4
72.5°	191.2	185.7	179.6	172.9	165.6	159.2	152.8	146.1	138.9	131.4	123.9
70°	242.9	234.9	226.0	216.2	207.1	198.1	188.4	178.2	167.5	158.0	148.9
67.5°	305.4	294.4	282.3	269.8	257.8	245.0	231.2	216.6	203.5	190.7	177.4
65°	381.5	365.7	348.1	333.1	316.9	299.6	281.2	263.6	246.4	228.4	210.1
62.5°	474.1	453.6	432.6	411.2	388.1	363.3	339.2	317.5	294.8	271.3	250.5
60°	576.9	553.6	528.5	501.2	471.6	440.3	411.2	380.5	348.1	321.7	294.4
57.5°	681.1	656.2	627.8	596.9	563.5	528.5	491.7	452.7	416.0	379.2	342.3
55°	780.4	754.2	724.6	692.4	657.2	618.2	576.9	533.9	489.6	443.2	401.7
52.5°	868.3	842.5	814.0	783.0	746.2	705.9	663.0	615.9	566.5	516.2	464.5
50°	947.6	922.3	894.4	863.2	827.1	788.7	744.3	695.8	644.1	589.0	532.4
47.5°	1019.5	994.7	967.5	935.7	900.6	862.2	818.5	772.1	717.9	661.3	600.3
45°	1085.6	1060.9	1033.6	1001.8	967.7	928.5	886.2	838.6	787.5	729.0	667.0
42.5°	1144.3	1121.3	1093.9	1062.4	1028.0	989.3	947.4	900.2	848.8	792.5	729.0
40°	1195.5	1174.1	1147.2	1118.0	1083.2	1045.2	1002.5	956.9	904.9	848.8	787.5
37.5°	1240.2	1219.0	1194.0	1166.1	1132.9	1095.9	1053.5	1006.9	956.9	900.2	838.6
35°	1279.6	1258.7	1235.2	1207.5	1177.0	1140.4	1100.1	1053.5	1002.5	947.4	886.2
32.5°	1313.3	1293.4	1271.4	1244.4	1214.4	1180.4	1140.4	1095.9	1045.2	989.3	928.5
30°	1341.2	1323.3	1301.8	1277.3	1247.5	1214.4	1177.0	1132.9	1083.2	1028.0	967.7
27.5°	1365.2	1348.8	1328.2	1304.7	1277.3	1244.4	1207.5	1166.1	1118.0	1062.4	1001.8
25°	1385.5	1369.8	1351.0	1328.2	1301.8	1271.4	1235.2	1194.0	1147.2	1093.9	1033.6
22.5°	1402.2	1387.4	1369.8	1348.8	1323.3	1293.4	1258.7	1219.0	1174.1	1121.3	1060.9
20°	1414.9	1402.2	1385.5	1365.2	1341.2	1313.3	1279.6	1240.2	1195.5	1144.3	1085.6
17.5°	1423.2	1413.3	1398.6	1379.7	1356.3	1328.8	1296.4	1258.5	1214.7	1165.0	1107.7
15°	1428.8	1421.2	1408.3	1390.7	1368.8	1342.4	1311.4	1274.6	1231.2	1181.9	1124.9
12.5°	1430.2	1426.3	1416.5	1400.4	1379.3	1353.3	1322.8	1286.5	1244.1	1195.4	1139.4
10°	1431.0	1429.1	1421.3	1406.7	1386.7	1361.7	1331.8	1296.5	1254.8	1206.6	1151.4
7.5°	1430.3	1429.9	1424.4	1411.8	1392.6	1368.4	1339.0	1304.4	1263.2	1215.4	1160.8
5°	1429.9	1430.6	1426.7	1415.5	1396.9	1373.3	1344.2	1310.0	1269.3	1221.8	1167.6
2.5°	1429.6	1431.0	1428.1	1417.7	1399.5	1376.2	1347.3	1313.5	1273.0	1225.6	1171.6
0°	1429.5	1431.1	1428.6	1418.5	1400.4	1377.2	1348.4	1314.6	1274.2	1226.9	1173.0
-2.5°	1429.6	1431.0	1428.1	1417.7	1399.5	1376.2	1347.3	1313.5	1273.0	1225.6	1171.6
-5°	1429.9	1430.6	1426.7	1415.5	1396.9	1373.3	1344.2	1310.0	1269.3	1221.8	1167.6
-7.5°	1430.3	1429.9	1424.4	1411.8	1392.6	1368.4	1339.0	1304.4	1263.2	1215.4	1160.8
-10°	1431.0	1429.1	1421.3	1406.7	1386.7	1361.7	1331.8	1296.5	1254.8	1206.6	1151.4
-12.5°	1430.2	1426.3	1416.5	1400.4	1379.3	1353.3	1322.8	1286.5	1244.1	1195.4	1139.4
-15°	1428.8	1421.2	1408.3	1390.7	1368.8	1342.4	1311.4	1274.6	1231.2	1181.9	1124.9
-17.5°	1423.2	1413.3	1398.6	1379.7	1356.3	1328.8	1296.4	1258.5	1214.7	1165.0	1107.7
-20°	1414.9	1402.2	1385.5	1365.2	1341.2	1313.3	1279.6	1240.2	1195.5	1144.3	1085.6



REPORT NUMBER: P645320 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1402.2	1387.4	1369.8	1348.8	1323.3	1293.4	1258.7	1219.0	1174.1	1121.3	1060.9
-25°	1385.5	1369.8	1351.0	1328.2	1301.8	1271.4	1235.2	1194.0	1147.2	1093.9	1033.6
-27.5°	1365.2	1348.8	1328.2	1304.7	1277.3	1244.4	1207.5	1166.1	1118.0	1062.4	1001.8
-30°	1341.2	1323.3	1301.8	1277.3	1247.5	1214.4	1177.0	1132.9	1083.2	1028.0	967.7
-32.5°	1313.3	1293.4	1271.4	1244.4	1214.4	1180.4	1140.4	1095.9	1045.2	989.3	928.5
-35°	1279.6	1258.7	1235.2	1207.5	1177.0	1140.4	1100.1	1053.5	1002.5	947.4	886.2
-37.5°	1240.2	1219.0	1194.0	1166.1	1132.9	1095.9	1053.5	1006.9	956.9	900.2	838.6
-40°	1195.5	1174.1	1147.2	1118.0	1083.2	1045.2	1002.5	956.9	904.9	848.8	787.5
-42.5°	1144.3	1121.3	1093.9	1062.4	1028.0	989.3	947.4	900.2	848.8	792.5	729.0
-45°	1085.6	1060.9	1033.6	1001.8	967.7	928.5	886.2	838.6	787.5	729.0	667.0
-47.5°	1019.5	994.7	967.5	935.7	900.6	862.2	818.5	772.1	717.9	661.3	600.3
-50°	947.6	922.3	894.4	863.2	827.1	788.7	744.3	695.8	644.1	589.0	532.4
-52.5°	868.3	842.5	814.0	783.0	746.2	705.9	663.0	615.9	566.5	516.2	464.5
-55°	780.4	754.2	724.6	692.4	657.2	618.2	576.9	533.9	489.6	443.2	401.7
-57.5°	681.1	656.2	627.8	596.9	563.5	528.5	491.7	452.7	416.0	379.2	342.3
-60°	576.9	553.6	528.5	501.2	471.6	440.3	411.2	380.5	348.1	321.7	294.4
-62.5°	474.1	453.6	432.6	411.2	388.1	363.3	339.2	317.5	294.8	271.3	250.5
-65°	381.5	365.7	348.1	333.1	316.9	299.6	281.2	263.6	246.4	228.4	210.1
-67.5°	305.4	294.4	282.3	269.8	257.8	245.0	231.2	216.6	203.5	190.7	177.4
-70°	242.9	234.9	226.0	216.2	207.1	198.1	188.4	178.2	167.5	158.0	148.9
-72.5°	191.2	185.7	179.6	172.9	165.6	159.2	152.8	146.1	138.9	131.4	123.9
-75°	150.1	146.6	142.6	138.2	133.5	128.4	123.4	118.3	113.0	107.3	101.4
-77.5°	116.9	114.3	111.4	108.2	104.7	101.0	97.1	92.8	88.1	83.1	77.9
-80°	86.0	83.8	81.4	78.7	75.8	72.7	69.4	65.8	62.1	58.3	54.6
-82.5°	54.5	53.0	51.3	49.5	47.6	45.5	43.2	40.8	38.3	35.6	32.8
-85°	26.5	25.8	25.1	24.3	23.4	22.4	21.4	20.3	19.1	17.9	16.6
-87.5°	7.3	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.7	5.5
-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: P645320 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-LAM-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°	5.3	5.0	4.7	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.3
85°	15.3	13.9	12.4	10.9	9.4	7.8	7.2	6.6	6.0	5.3	4.7
82.5°	29.8	27.5	25.3	23.1	20.8	18.4	15.9	13.4	10.9	8.3	7.0
80°	50.6	46.6	42.3	38.0	33.5	28.9	25.7	22.4	19.0	15.5	12.0
77.5°	72.5	66.9	61.1	55.5	49.9	44.1	38.2	32.2	27.0	22.7	18.3
75°	95.2	88.5	81.5	74.3	66.9	59.3	52.2	45.0	37.6	30.1	24.5
72.5°	116.7	109.2	101.4	93.4	84.7	75.8	66.7	57.6	49.0	40.3	31.4
70°	139.5	129.8	120.5	111.4	102.0	92.2	81.8	71.2	60.4	50.4	40.3
67.5°	163.6	152.6	141.2	129.5	118.6	107.7	96.6	84.8	72.7	60.4	49.0
65°	194.6	178.6	162.4	149.4	136.0	122.9	110.6	98.1	84.8	71.2	57.6
62.5°	228.9	207.8	189.5	170.7	154.4	139.4	124.3	110.6	96.6	81.8	66.7
60°	267.4	242.9	217.7	196.1	175.1	156.1	139.4	122.9	107.7	92.2	75.8
57.5°	311.5	279.7	251.4	223.3	198.3	175.1	154.4	136.0	118.6	102.0	84.7
55°	358.7	321.8	286.6	254.2	223.3	196.1	170.7	149.4	129.5	111.4	93.4
52.5°	415.3	367.7	325.3	286.6	251.4	217.7	189.5	162.4	141.2	120.5	101.4
50°	475.1	419.8	367.7	321.8	279.7	242.9	207.8	178.6	152.6	129.8	109.2
47.5°	537.8	475.1	415.3	358.7	311.5	267.4	228.9	194.6	163.6	139.5	116.7
45°	600.3	532.4	464.5	401.7	342.3	294.4	250.5	210.1	177.4	148.9	123.9
42.5°	661.3	589.0	516.2	443.2	379.2	321.7	271.3	228.4	190.7	158.0	131.4
40°	717.9	644.1	566.5	489.6	416.0	348.1	294.8	246.4	203.5	167.5	138.9
37.5°	772.1	695.8	615.9	533.9	452.7	380.5	317.5	263.6	216.6	178.2	146.1
35°	818.5	744.3	663.0	576.9	491.7	411.2	339.2	281.2	231.2	188.4	152.8
32.5°	862.2	788.7	705.9	618.2	528.5	440.3	363.3	299.6	245.0	198.1	159.2
30°	900.6	827.1	746.2	657.2	563.5	471.6	388.1	316.9	257.8	207.1	165.6
27.5°	935.7	863.2	783.0	692.4	596.9	501.2	411.2	333.1	269.8	216.2	172.9
25°	967.5	894.4	814.0	724.6	627.8	528.5	432.6	348.1	282.3	226.0	179.6
22.5°	994.7	922.3	842.5	754.2	656.2	553.6	453.6	365.7	294.4	234.9	185.7
20°	1019.5	947.6	868.3	780.4	681.1	576.9	474.1	381.5	305.4	242.9	191.2
17.5°	1041.4	969.2	889.5	801.6	703.0	597.7	492.4	395.6	315.1	250.1	196.1
15°	1059.4	987.2	907.8	820.1	722.1	615.9	508.3	408.0	323.6	256.3	200.4
12.5°	1074.8	1002.6	923.4	835.9	738.5	631.4	521.8	418.4	330.8	261.6	204.0
10°	1087.5	1015.3	936.3	849.0	751.9	644.1	533.0	427.1	336.7	265.9	207.0
7.5°	1097.5	1025.2	946.4	859.2	762.4	654.1	541.7	433.8	341.3	269.3	209.3
5°	1104.6	1032.4	953.7	866.5	769.9	661.3	548.0	438.6	344.6	271.8	211.0
2.5°	1109.0	1036.7	958.0	870.9	774.5	665.6	551.7	441.5	346.6	273.2	212.0
0°	1110.4	1038.1	959.5	872.4	776.0	667.0	553.0	442.5	347.3	273.7	212.3
-2.5°	1109.0	1036.7	958.0	870.9	774.5	665.6	551.7	441.5	346.6	273.2	212.0
-5°	1104.6	1032.4	953.7	866.5	769.9	661.3	548.0	438.6	344.6	271.8	211.0
-7.5°	1097.5	1025.2	946.4	859.2	762.4	654.1	541.7	433.8	341.3	269.3	209.3
-10°	1087.5	1015.3	936.3	849.0	751.9	644.1	533.0	427.1	336.7	265.9	207.0
-12.5°	1074.8	1002.6	923.4	835.9	738.5	631.4	521.8	418.4	330.8	261.6	204.0
-15°	1059.4	987.2	907.8	820.1	722.1	615.9	508.3	408.0	323.6	256.3	200.4
-17.5°	1041.4	969.2	889.5	801.6	703.0	597.7	492.4	395.6	315.1	250.1	196.1
-20°	1019.5	947.6	868.3	780.4	681.1	576.9	474.1	381.5	305.4	242.9	191.2



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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°	994.7	922.3	842.5	754.2	656.2	553.6	453.6	365.7	294.4	234.9	185.7
-25°	967.5	894.4	814.0	724.6	627.8	528.5	432.6	348.1	282.3	226.0	179.6
-27.5°	935.7	863.2	783.0	692.4	596.9	501.2	411.2	333.1	269.8	216.2	172.9
-30°	900.6	827.1	746.2	657.2	563.5	471.6	388.1	316.9	257.8	207.1	165.6
-32.5°	862.2	788.7	705.9	618.2	528.5	440.3	363.3	299.6	245.0	198.1	159.2
-35°	818.5	744.3	663.0	576.9	491.7	411.2	339.2	281.2	231.2	188.4	152.8
-37.5°	772.1	695.8	615.9	533.9	452.7	380.5	317.5	263.6	216.6	178.2	146.1
-40°	717.9	644.1	566.5	489.6	416.0	348.1	294.8	246.4	203.5	167.5	138.9
-42.5°	661.3	589.0	516.2	443.2	379.2	321.7	271.3	228.4	190.7	158.0	131.4
-45°	600.3	532.4	464.5	401.7	342.3	294.4	250.5	210.1	177.4	148.9	123.9
-47.5°	537.8	475.1	415.3	358.7	311.5	267.4	228.9	194.6	163.6	139.5	116.7
-50°	475.1	419.8	367.7	321.8	279.7	242.9	207.8	178.6	152.6	129.8	109.2
-52.5°	415.3	367.7	325.3	286.6	251.4	217.7	189.5	162.4	141.2	120.5	101.4
-55°	358.7	321.8	286.6	254.2	223.3	196.1	170.7	149.4	129.5	111.4	93.4
-57.5°	311.5	279.7	251.4	223.3	198.3	175.1	154.4	136.0	118.6	102.0	84.7
-60°	267.4	242.9	217.7	196.1	175.1	156.1	139.4	122.9	107.7	92.2	75.8
-62.5°	228.9	207.8	189.5	170.7	154.4	139.4	124.3	110.6	96.6	81.8	66.7
-65°	194.6	178.6	162.4	149.4	136.0	122.9	110.6	98.1	84.8	71.2	57.6
-67.5°	163.6	152.6	141.2	129.5	118.6	107.7	96.6	84.8	72.7	60.4	49.0
-70°	139.5	129.8	120.5	111.4	102.0	92.2	81.8	71.2	60.4	50.4	40.3
-72.5°	116.7	109.2	101.4	93.4	84.7	75.8	66.7	57.6	49.0	40.3	31.4
-75°	95.2	88.5	81.5	74.3	66.9	59.3	52.2	45.0	37.6	30.1	24.5
-77.5°	72.5	66.9	61.1	55.5	49.9	44.1	38.2	32.2	27.0	22.7	18.3
-80°	50.6	46.6	42.3	38.0	33.5	28.9	25.7	22.4	19.0	15.5	12.0
-82.5°	29.8	27.5	25.3	23.1	20.8	18.4	15.9	13.4	10.9	8.3	7.0
-85°	15.3	13.9	12.4	10.9	9.4	7.8	7.2	6.6	6.0	5.3	4.7
-87.5°	5.3	5.0	4.7	4.5	4.2	3.9	3.6	3.3	3.0	2.7	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°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
85°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
82.5°	6.0	5.1	4.1	3.0	2.0	1.0	0.0
80°	8.4	6.7	5.4	4.1	2.7	1.4	0.0
77.5°	13.9	9.4	6.7	5.1	3.4	1.7	0.0
75°	19.2	13.9	8.4	6.0	4.0	2.0	0.0
72.5°	24.5	18.3	12.0	7.0	4.7	2.3	0.0
70°	30.1	22.7	15.5	8.3	5.3	2.7	0.0
67.5°	37.6	27.0	19.0	10.9	6.0	3.0	0.0
65°	45.0	32.2	22.4	13.4	6.6	3.3	0.0
62.5°	52.2	38.2	25.7	15.9	7.2	3.6	0.0
60°	59.3	44.1	28.9	18.4	7.8	3.9	0.0
57.5°	66.9	49.9	33.5	20.8	9.4	4.2	0.0
55°	74.3	55.5	38.0	23.1	10.9	4.5	0.0
52.5°	81.5	61.1	42.3	25.3	12.4	4.7	0.0
50°	88.5	66.9	46.6	27.5	13.9	5.0	0.0
47.5°	95.2	72.5	50.6	29.8	15.3	5.3	0.0
45°	101.4	77.9	54.6	32.8	16.6	5.5	0.0
42.5°	107.3	83.1	58.3	35.6	17.9	5.7	0.0
40°	113.0	88.1	62.1	38.3	19.1	6.0	0.0
37.5°	118.3	92.8	65.8	40.8	20.3	6.2	0.0
35°	123.4	97.1	69.4	43.2	21.4	6.4	0.0
32.5°	128.4	101.0	72.7	45.5	22.4	6.6	0.0
30°	133.5	104.7	75.8	47.6	23.4	6.8	0.0
27.5°	138.2	108.2	78.7	49.5	24.3	6.9	0.0
25°	142.6	111.4	81.4	51.3	25.1	7.1	0.0
22.5°	146.6	114.3	83.8	53.0	25.8	7.2	0.0
20°	150.1	116.9	86.0	54.5	26.5	7.3	0.0
17.5°	153.3	119.2	87.9	55.8	27.1	7.4	0.0
15°	156.1	121.2	89.6	56.9	27.6	7.5	0.0
12.5°	158.4	122.9	91.0	57.9	28.1	7.6	0.0
10°	160.3	124.3	92.2	58.7	28.5	7.7	0.0
7.5°	161.9	125.4	93.1	59.3	28.7	7.7	0.0
5°	162.9	126.2	93.8	59.7	28.9	7.8	0.0
2.5°	163.6	126.6	94.2	60.0	29.1	7.8	0.0
0°	163.8	126.8	94.3	60.1	29.1	7.8	0.0
-2.5°	163.6	126.6	94.2	60.0	29.1	7.8	0.0
-5°	162.9	126.2	93.8	59.7	28.9	7.8	0.0
-7.5°	161.9	125.4	93.1	59.3	28.7	7.7	0.0
-10°	160.3	124.3	92.2	58.7	28.5	7.7	0.0
-12.5°	158.4	122.9	91.0	57.9	28.1	7.6	0.0
-15°	156.1	121.2	89.6	56.9	27.6	7.5	0.0
-17.5°	153.3	119.2	87.9	55.8	27.1	7.4	0.0
-20°	150.1	116.9	86.0	54.5	26.5	7.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	146.6	114.3	83.8	53.0	25.8	7.2	0.0
-25°	142.6	111.4	81.4	51.3	25.1	7.1	0.0
-27.5°	138.2	108.2	78.7	49.5	24.3	6.9	0.0
-30°	133.5	104.7	75.8	47.6	23.4	6.8	0.0
-32.5°	128.4	101.0	72.7	45.5	22.4	6.6	0.0
-35°	123.4	97.1	69.4	43.2	21.4	6.4	0.0
-37.5°	118.3	92.8	65.8	40.8	20.3	6.2	0.0
-40°	113.0	88.1	62.1	38.3	19.1	6.0	0.0
-42.5°	107.3	83.1	58.3	35.6	17.9	5.7	0.0
-45°	101.4	77.9	54.6	32.8	16.6	5.5	0.0
-47.5°	95.2	72.5	50.6	29.8	15.3	5.3	0.0
-50°	88.5	66.9	46.6	27.5	13.9	5.0	0.0
-52.5°	81.5	61.1	42.3	25.3	12.4	4.7	0.0
-55°	74.3	55.5	38.0	23.1	10.9	4.5	0.0
-57.5°	66.9	49.9	33.5	20.8	9.4	4.2	0.0
-60°	59.3	44.1	28.9	18.4	7.8	3.9	0.0
-62.5°	52.2	38.2	25.7	15.9	7.2	3.6	0.0
-65°	45.0	32.2	22.4	13.4	6.6	3.3	0.0
-67.5°	37.6	27.0	19.0	10.9	6.0	3.0	0.0
-70°	30.1	22.7	15.5	8.3	5.3	2.7	0.0
-72.5°	24.5	18.3	12.0	7.0	4.7	2.3	0.0
-75°	19.2	13.9	8.4	6.0	4.0	2.0	0.0
-77.5°	13.9	9.4	6.7	5.1	3.4	1.7	0.0
-80°	8.4	6.7	5.4	4.1	2.7	1.4	0.0
-82.5°	6.0	5.1	4.1	3.0	2.0	1.0	0.0
-85°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
-87.5°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)