

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: P559117 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-935-U-MWR-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559117 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA5E-935-U-MWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5
Light Source: (80) 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

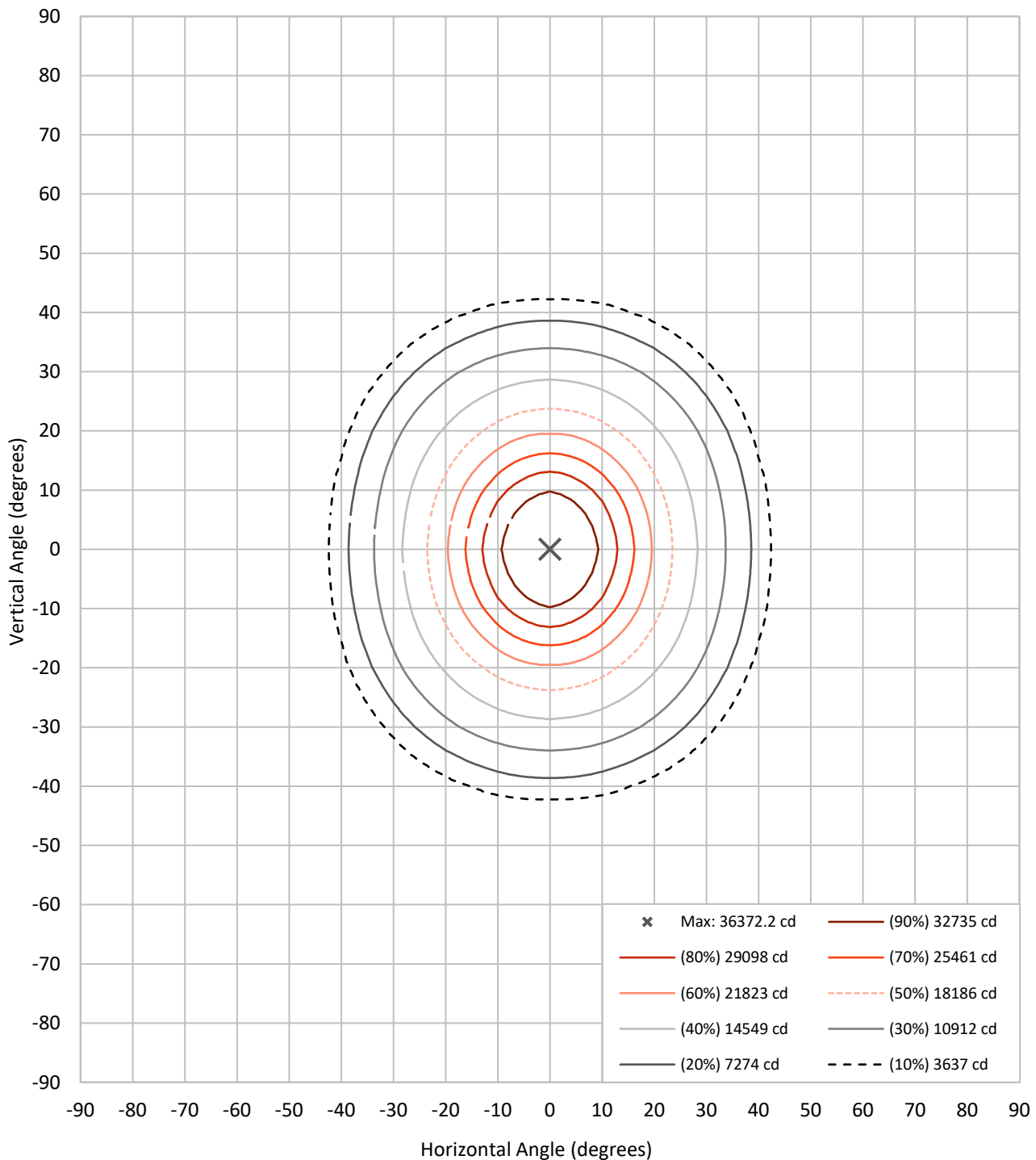
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	28313.8 lumens	Max Intensity:	36372.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	92.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47°H x 47.6°V	Field Angle (10%):	84.6°H x 84.3°V
Beam Lumens:	13360.3 lumens	Field Lumens:	25708.8 lumens
Beam Efficiency:	47.2%	Field Efficiency:	90.8%

Input Watts (W): 307
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





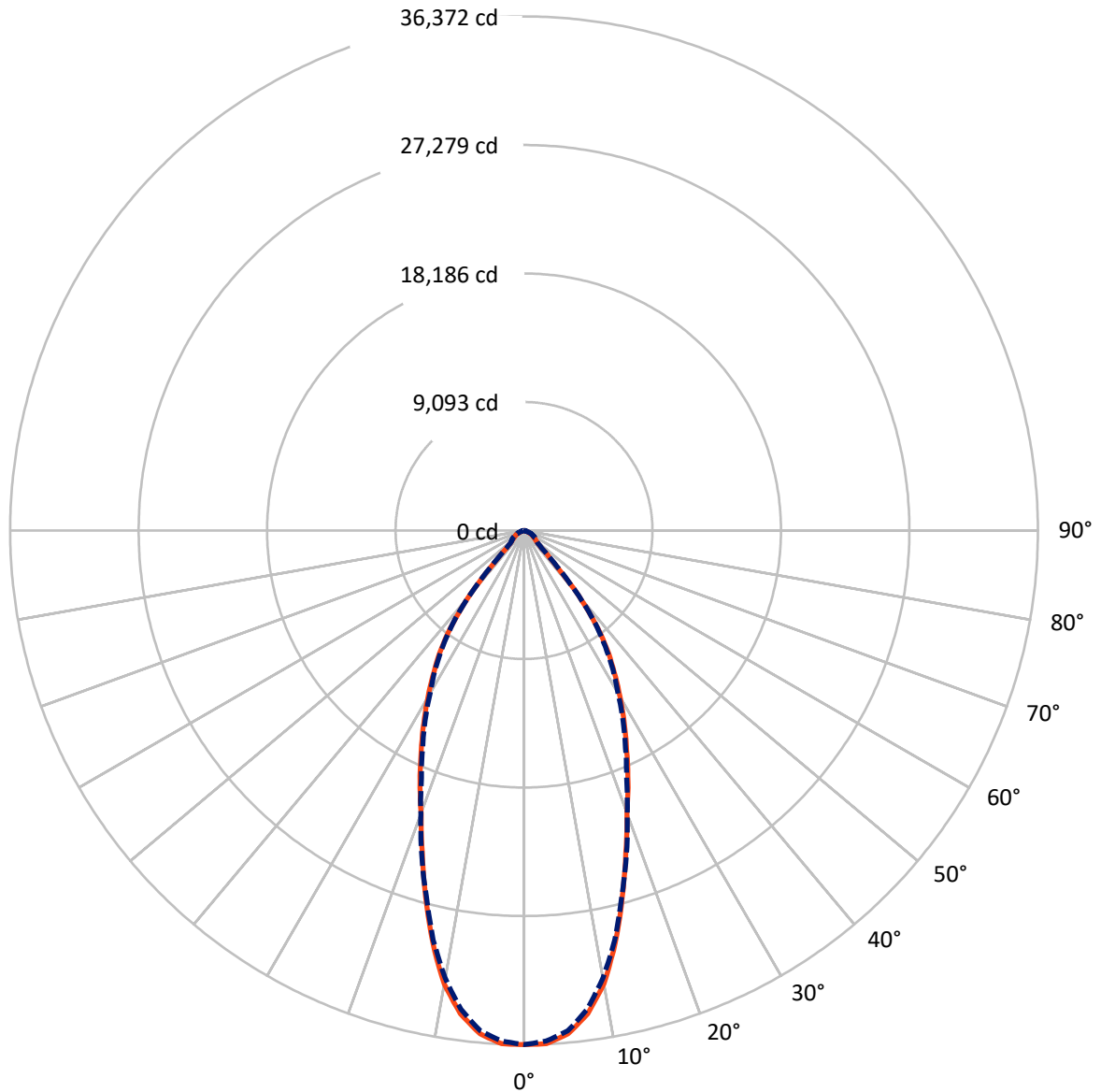
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Lumen Table

90																			
80	0.5	3.5		7.8		12.8		9.9		12.8		7.8		3.5		0.5			
70																			
60	2.0	2.2	4.1	6.4	9.0	11.3	13.0	14.0	14.0	13.0	11.3	9.0	6.4	4.1	2.2	2.0			
50		3.4	6.8	11.3	16.3	20.3	23.2	25.6	25.6	23.2	20.3	16.3	11.3	6.8	3.4				
40	3.0	4.5	9.5	15.9	23.2	31.8	50.3	70.4	70.4	50.3	31.8	23.2	15.9	9.5	4.5	3.0			
30		5.5	11.8	19.9	37.3	119.3	232.3	296.0	296.0	232.3	119.3	37.3	19.9	11.8	5.5				
20	3.3	6.4	13.8	24.9	109.1	285.0	420.6	509.3	509.3	420.6	285.0	109.1	24.9	13.8	6.4	3.3			
10		7.2	15.4	38.1	198.4	393.4	597.8	778.1	778.1	597.8	393.4	198.4	38.1	15.4	7.2				
0	3.5	7.6	16.7	52.6	241.7	459.1	751.9	1016.9	1016.9	751.9	459.1	241.7	52.6	16.7	7.6	3.5			
-10		7.6	16.7	52.6	241.7	459.1	751.9	1016.9	1016.9	751.9	459.1	241.7	52.6	16.7	7.6				
-20	3.3	7.2	15.4	38.1	198.4	393.4	597.8	778.1	778.1	597.8	393.4	198.4	38.1	15.4	7.2	3.3			
-30		6.4	13.8	24.9	109.1	285.0	420.6	509.3	509.3	420.6	285.0	109.1	24.9	13.8	6.4				
-40	3.0	5.5	11.8	19.9	37.3	119.3	232.3	296.0	296.0	232.3	119.3	37.3	19.9	11.8	5.5	3.0			
-50		4.5	9.5	15.9	23.2	31.8	50.3	70.4	70.4	50.3	31.8	23.2	15.9	9.5	4.5				
-60	2.0	3.4	6.8	11.3	16.3	20.3	23.2	25.6	25.6	23.2	20.3	16.3	11.3	6.8	3.4	2.0			
-70		2.2	4.1	6.4	9.0	11.3	13.0	14.0	14.0	13.0	11.3	9.0	6.4	4.1	2.2				
-80																			
-90	0.5	3.5		7.8		12.8		9.9		12.8		7.8		3.5		0.5			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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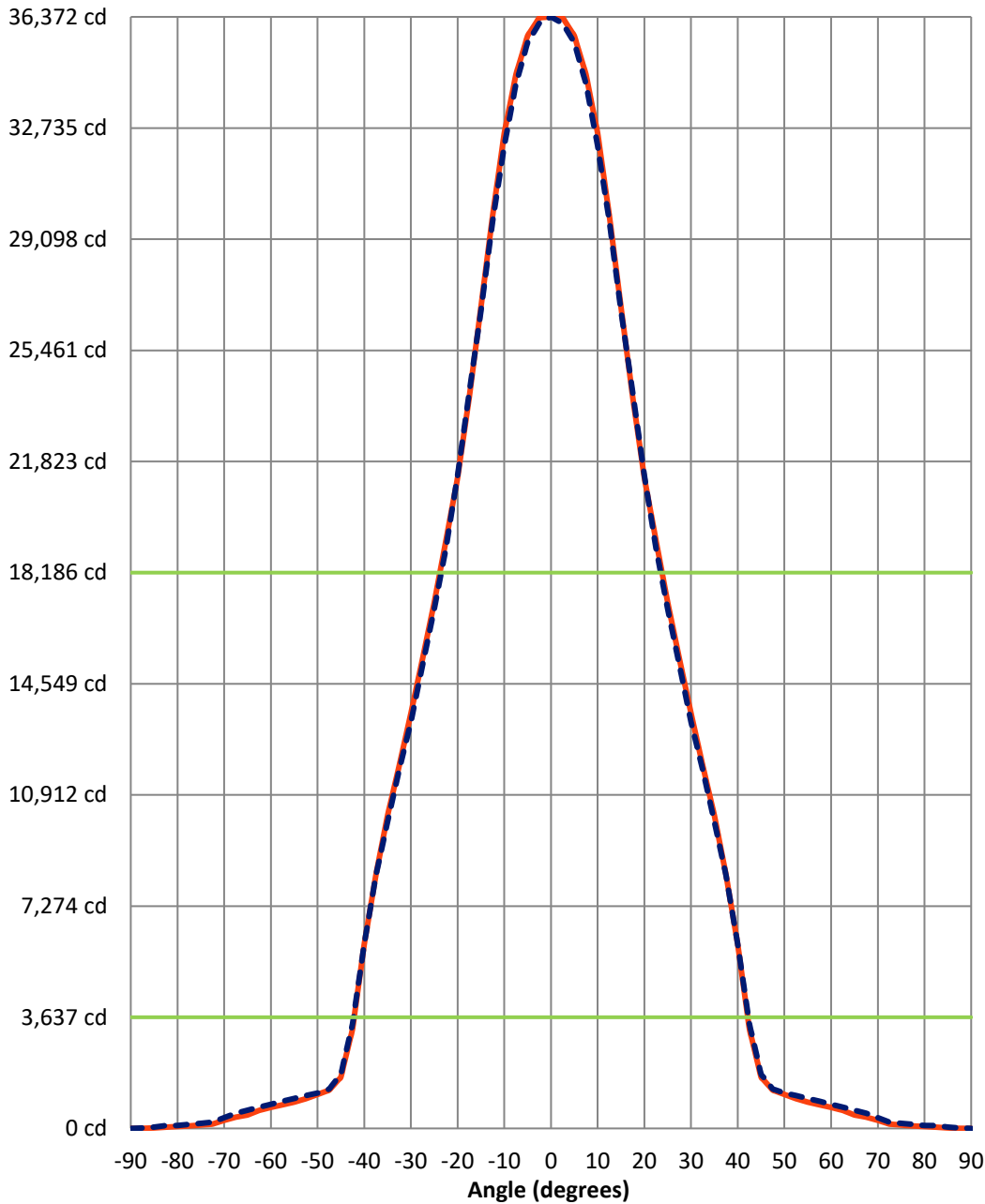
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 47°
 V Angle: 47.6°
 Lumens: 13360.3
 Efficiency: 47.2%

Field:
 H Angle: 84.6°
 V Angle: 84.3°
 Lumens: 25708.8
 Efficiency: 90.8%

Spill:
 Lumens: 2604.9
 Efficiency: 9.2%

- 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	0.6	1.2	2.0	2.8	3.8	4.9	5.5	6.1	6.5	6.9
85°	0.0	1.2	2.4	3.9	5.7	7.7	9.9	11.1	12.1	13.1	13.9
82.5°	0.0	1.8	3.6	5.9	8.5	11.5	14.7	16.6	18.7	22.4	25.2
80°	0.0	2.4	4.8	7.8	11.3	15.2	20.4	27.0	32.3	36.4	39.2
77.5°	0.0	3.0	5.9	9.7	14.0	20.7	32.0	40.0	45.9	50.4	54.5
75°	0.0	3.5	7.1	11.5	17.4	29.6	43.4	53.0	60.0	67.5	73.3
72.5°	0.0	4.1	8.2	13.4	23.8	38.2	54.5	66.8	77.4	85.9	92.3
70°	0.0	4.7	9.4	15.6	30.1	46.7	65.6	83.0	94.9	104.6	119.6
67.5°	0.0	5.2	10.5	19.9	36.2	54.8	78.5	99.3	112.6	128.1	147.9
65°	0.0	5.8	11.6	24.0	42.1	63.6	91.0	115.6	131.0	150.7	174.5
62.5°	0.0	6.3	12.6	28.0	47.7	72.8	102.9	130.3	148.7	172.5	199.1
60°	0.0	6.8	13.7	31.8	53.1	81.6	114.1	143.7	165.4	194.5	223.4
57.5°	0.0	7.4	16.1	35.4	59.4	90.0	121.8	155.6	184.0	216.2	244.5
55°	0.0	7.9	18.4	38.9	65.3	97.8	128.3	164.3	203.1	236.6	264.0
52.5°	0.0	8.3	20.7	42.2	70.8	104.5	133.8	176.0	221.6	254.0	283.2
50°	0.0	8.8	22.8	45.3	76.0	107.9	138.4	187.0	238.8	270.9	304.3
47.5°	0.0	9.3	24.9	48.4	80.8	110.5	142.7	196.7	253.6	287.4	325.1
45°	0.0	9.7	26.9	51.6	85.2	112.6	149.6	205.0	261.1	305.3	345.0
42.5°	0.0	10.1	28.8	54.6	89.1	113.9	155.4	210.8	266.9	322.4	365.3
40°	0.0	10.5	30.6	57.7	91.2	114.5	160.2	214.7	272.0	337.6	385.0
37.5°	0.0	10.9	32.2	61.0	91.5	114.5	163.9	217.4	277.6	344.9	403.9
35°	0.0	11.2	33.8	64.1	91.4	115.9	166.5	218.9	282.3	356.0	422.0
32.5°	0.0	11.6	35.3	67.2	90.8	117.7	167.8	219.3	286.1	369.4	438.5
30°	0.0	11.9	36.6	70.2	89.9	118.8	167.7	219.3	289.0	385.0	454.7
27.5°	0.0	12.2	37.9	73.0	90.9	119.1	166.7	220.7	294.6	402.6	470.6
25°	0.0	12.4	39.0	75.7	91.9	118.8	164.9	221.3	306.5	417.3	486.3
22.5°	0.0	12.7	40.0	78.3	92.8	119.1	162.3	221.0	318.8	429.4	505.5
20°	0.0	12.9	40.9	80.7	93.6	122.1	158.9	219.9	331.4	440.7	522.9
17.5°	0.0	13.1	41.7	83.0	94.2	124.8	159.1	217.8	343.8	451.2	538.5
15°	0.0	13.2	42.3	85.0	94.6	127.2	161.4	217.1	355.8	460.7	552.1
12.5°	0.0	13.4	42.8	86.9	95.0	129.2	163.4	218.0	364.0	469.2	563.9
10°	0.0	13.5	43.2	88.6	95.3	130.9	164.8	217.5	367.4	476.2	573.9
7.5°	0.0	13.6	43.5	90.0	95.4	132.1	165.9	215.8	367.7	483.1	582.3
5°	0.0	13.6	43.7	91.2	95.5	133.1	166.5	213.0	365.2	489.2	588.7
2.5°	0.0	13.7	43.8	92.1	95.6	133.6	166.8	209.2	360.0	494.1	593.0
0°	0.0	13.7	43.7	92.8	95.6	133.8	166.6	204.8	352.3	497.0	595.3
-2.5°	0.0	13.7	43.8	92.1	95.6	133.6	166.8	209.2	360.0	494.1	593.0
-5°	0.0	13.6	43.7	91.2	95.5	133.1	166.5	213.0	365.2	489.2	588.7
-7.5°	0.0	13.6	43.5	90.0	95.4	132.1	165.9	215.8	367.7	483.1	582.3
-10°	0.0	13.5	43.2	88.6	95.3	130.9	164.8	217.5	367.4	476.2	573.9
-12.5°	0.0	13.4	42.8	86.9	95.0	129.2	163.4	218.0	364.0	469.2	563.9
-15°	0.0	13.2	42.3	85.0	94.6	127.2	161.4	217.1	355.8	460.7	552.1
-17.5°	0.0	13.1	41.7	83.0	94.2	124.8	159.1	217.8	343.8	451.2	538.5
-20°	0.0	12.9	40.9	80.7	93.6	122.1	158.9	219.9	331.4	440.7	522.9



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 CATALOG NUMBER: GFLD-SA5E-935-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	12.7	40.0	78.3	92.8	119.1	162.3	221.0	318.8	429.4	505.5
-25°	0.0	12.4	39.0	75.7	91.9	118.8	164.9	221.3	306.5	417.3	486.3
-27.5°	0.0	12.2	37.9	73.0	90.9	119.1	166.7	220.7	294.6	402.6	470.6
-30°	0.0	11.9	36.6	70.2	89.9	118.8	167.7	219.3	289.0	385.0	454.7
-32.5°	0.0	11.6	35.3	67.2	90.8	117.7	167.8	219.3	286.1	369.4	438.5
-35°	0.0	11.2	33.8	64.1	91.4	115.9	166.5	218.9	282.3	356.0	422.0
-37.5°	0.0	10.9	32.2	61.0	91.5	114.5	163.9	217.4	277.6	344.9	403.9
-40°	0.0	10.5	30.6	57.7	91.2	114.5	160.2	214.7	272.0	337.6	385.0
-42.5°	0.0	10.1	28.8	54.6	89.1	113.9	155.4	210.8	266.9	322.4	365.3
-45°	0.0	9.7	26.9	51.6	85.2	112.6	149.6	205.0	261.1	305.3	345.0
-47.5°	0.0	9.3	24.9	48.4	80.8	110.5	142.7	196.7	253.6	287.4	325.1
-50°	0.0	8.8	22.8	45.3	76.0	107.9	138.4	187.0	238.8	270.9	304.3
-52.5°	0.0	8.3	20.7	42.2	70.8	104.5	133.8	176.0	221.6	254.0	283.2
-55°	0.0	7.9	18.4	38.9	65.3	97.8	128.3	164.3	203.1	236.6	264.0
-57.5°	0.0	7.4	16.1	35.4	59.4	90.0	121.8	155.6	184.0	216.2	244.5
-60°	0.0	6.8	13.7	31.8	53.1	81.6	114.1	143.7	165.4	194.5	223.4
-62.5°	0.0	6.3	12.6	28.0	47.7	72.8	102.9	130.3	148.7	172.5	199.1
-65°	0.0	5.8	11.6	24.0	42.1	63.6	91.0	115.6	131.0	150.7	174.5
-67.5°	0.0	5.2	10.5	19.9	36.2	54.8	78.5	99.3	112.6	128.1	147.9
-70°	0.0	4.7	9.4	15.6	30.1	46.7	65.6	83.0	94.9	104.6	119.6
-72.5°	0.0	4.1	8.2	13.4	23.8	38.2	54.5	66.8	77.4	85.9	92.3
-75°	0.0	3.5	7.1	11.5	17.4	29.6	43.4	53.0	60.0	67.5	73.3
-77.5°	0.0	3.0	5.9	9.7	14.0	20.7	32.0	40.0	45.9	50.4	54.5
-80°	0.0	2.4	4.8	7.8	11.3	15.2	20.4	27.0	32.3	36.4	39.2
-82.5°	0.0	1.8	3.6	5.9	8.5	11.5	14.7	16.6	18.7	22.4	25.2
-85°	0.0	1.2	2.4	3.9	5.7	7.7	9.9	11.1	12.1	13.1	13.9
-87.5°	0.0	0.6	1.2	2.0	2.8	3.8	4.9	5.5	6.1	6.5	6.9
-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°	6.9	6.8	6.6	6.3	5.8	5.3	4.6	3.9	4.1	4.2	4.4
85°	13.9	13.7	14.7	15.8	16.1	16.1	15.5	14.6	16.8	19.2	21.8
82.5°	27.7	30.1	32.4	34.6	34.6	33.8	32.6	31.3	36.1	42.0	48.3
80°	42.8	46.4	51.7	57.2	58.7	58.1	56.3	53.2	59.9	69.6	80.6
77.5°	61.1	68.5	76.0	83.5	85.4	83.8	80.2	74.6	83.0	98.8	116.2
75°	81.1	90.5	102.4	111.7	113.7	110.5	105.0	100.1	110.4	129.8	148.5
72.5°	106.0	121.3	133.1	141.3	141.9	138.9	136.2	133.7	145.1	168.2	187.4
70°	137.7	153.1	162.2	167.2	168.3	170.2	178.0	185.3	196.6	216.4	232.1
67.5°	169.1	181.3	189.5	195.5	207.3	218.4	229.1	240.1	252.8	269.6	281.5
65°	197.1	209.6	220.5	234.6	251.8	265.3	279.6	295.1	312.6	328.4	339.9
62.5°	224.8	238.2	253.4	272.1	292.0	310.2	331.2	352.8	373.6	391.5	411.1
60°	247.5	265.5	285.8	308.4	332.3	359.9	385.3	410.1	433.0	455.3	482.9
57.5°	269.1	293.5	318.4	345.3	376.8	410.4	440.1	467.5	496.1	528.5	555.6
55°	291.8	322.4	351.0	383.7	421.1	461.6	494.2	525.0	560.3	599.3	629.6
52.5°	316.3	350.1	383.7	422.9	468.1	508.4	542.5	580.9	623.8	666.0	701.1
50°	340.1	377.4	416.4	466.2	511.0	549.5	591.8	638.2	682.9	726.3	767.8
47.5°	364.0	403.9	455.8	506.6	548.6	593.7	643.1	690.8	737.7	783.0	826.5
45°	387.5	434.8	492.4	540.7	587.4	639.2	690.2	740.1	789.6	837.7	885.2
42.5°	410.2	465.2	523.1	573.7	627.5	681.6	734.9	787.8	840.0	891.5	942.1
40°	434.9	492.8	553.8	609.1	665.2	721.6	777.7	833.5	888.6	943.1	996.9
37.5°	457.7	521.5	585.1	642.9	700.6	759.7	818.5	877.6	935.7	992.6	1053.7
35°	478.1	550.5	614.7	675.3	735.8	795.7	858.0	920.1	981.3	1043.0	1121.0
32.5°	501.0	579.7	642.6	706.5	769.1	830.9	895.5	961.3	1026.4	1098.5	1210.6
30°	526.8	604.1	669.1	736.3	800.4	865.3	932.1	1000.8	1069.3	1181.3	1440.4
27.5°	552.0	626.5	694.8	763.6	829.6	897.0	967.1	1038.2	1133.6	1305.9	1726.2
25°	575.3	648.1	719.0	788.7	856.8	926.6	999.1	1073.0	1202.6	1550.6	2479.1
22.5°	594.9	668.8	742.6	811.6	881.4	953.6	1028.9	1127.0	1327.2	1797.6	3316.8
20°	611.6	688.6	764.0	835.7	904.4	977.5	1055.9	1178.3	1516.5	2502.7	4320.7
17.5°	627.2	706.6	783.8	858.6	930.8	1002.5	1082.9	1222.7	1686.9	3115.5	5330.1
15°	641.5	722.7	802.1	880.2	954.9	1029.5	1125.6	1348.7	2031.6	3724.0	6229.2
12.5°	654.3	736.8	818.9	900.1	976.5	1053.7	1163.9	1473.9	2453.8	4437.7	6842.8
10°	665.6	748.9	833.9	918.2	995.6	1074.8	1196.3	1576.8	2801.0	5024.7	7336.0
7.5°	676.1	760.6	847.7	934.3	1012.0	1093.0	1222.7	1657.0	3069.1	5466.9	7729.5
5°	684.8	772.1	864.1	951.9	1032.7	1112.8	1245.4	1714.6	3257.5	5764.8	8016.1
2.5°	691.6	781.7	878.4	967.4	1055.5	1136.8	1271.4	1757.3	3379.0	5954.5	8199.4
0°	696.3	789.2	890.2	980.3	1075.9	1157.8	1291.6	1777.7	3424.2	6023.8	8268.4
-2.5°	691.6	781.7	878.4	967.4	1055.5	1136.8	1271.4	1757.3	3379.0	5954.5	8199.4
-5°	684.8	772.1	864.1	951.9	1032.7	1112.8	1245.4	1714.6	3257.5	5764.8	8016.1
-7.5°	676.1	760.6	847.7	934.3	1012.0	1093.0	1222.7	1657.0	3069.1	5466.9	7729.5
-10°	665.6	748.9	833.9	918.2	995.6	1074.8	1196.3	1576.8	2801.0	5024.7	7336.0
-12.5°	654.3	736.8	818.9	900.1	976.5	1053.7	1163.9	1473.9	2453.8	4437.7	6842.8
-15°	641.5	722.7	802.1	880.2	954.9	1029.5	1125.6	1348.7	2031.6	3724.0	6229.2
-17.5°	627.2	706.6	783.8	858.6	930.8	1002.5	1082.9	1222.7	1686.9	3115.5	5330.1
-20°	611.6	688.6	764.0	835.7	904.4	977.5	1055.9	1178.3	1516.5	2502.7	4320.7



REPORT NUMBER: P559117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-935-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	594.9	668.8	742.6	811.6	881.4	953.6	1028.9	1127.0	1327.2	1797.6	3316.8
-25°	575.3	648.1	719.0	788.7	856.8	926.6	999.1	1073.0	1202.6	1550.6	2479.1
-27.5°	552.0	626.5	694.8	763.6	829.6	897.0	967.1	1038.2	1133.6	1305.9	1726.2
-30°	526.8	604.1	669.1	736.3	800.4	865.3	932.1	1000.8	1069.3	1181.3	1440.4
-32.5°	501.0	579.7	642.6	706.5	769.1	830.9	895.5	961.3	1026.4	1098.5	1210.6
-35°	478.1	550.5	614.7	675.3	735.8	795.7	858.0	920.1	981.3	1043.0	1121.0
-37.5°	457.7	521.5	585.1	642.9	700.6	759.7	818.5	877.6	935.7	992.6	1053.7
-40°	434.9	492.8	553.8	609.1	665.2	721.6	777.7	833.5	888.6	943.1	996.9
-42.5°	410.2	465.2	523.1	573.7	627.5	681.6	734.9	787.8	840.0	891.5	942.1
-45°	387.5	434.8	492.4	540.7	587.4	639.2	690.2	740.1	789.6	837.7	885.2
-47.5°	364.0	403.9	455.8	506.6	548.6	593.7	643.1	690.8	737.7	783.0	826.5
-50°	340.1	377.4	416.4	466.2	511.0	549.5	591.8	638.2	682.9	726.3	767.8
-52.5°	316.3	350.1	383.7	422.9	468.1	508.4	542.5	580.9	623.8	666.0	701.1
-55°	291.8	322.4	351.0	383.7	421.1	461.6	494.2	525.0	560.3	599.3	629.6
-57.5°	269.1	293.5	318.4	345.3	376.8	410.4	440.1	467.5	496.1	528.5	555.6
-60°	247.5	265.5	285.8	308.4	332.3	359.9	385.3	410.1	433.0	455.3	482.9
-62.5°	224.8	238.2	253.4	272.1	292.0	310.2	331.2	352.8	373.6	391.5	411.1
-65°	197.1	209.6	220.5	234.6	251.8	265.3	279.6	295.1	312.6	328.4	339.9
-67.5°	169.1	181.3	189.5	195.5	207.3	218.4	229.1	240.1	252.8	269.6	281.5
-70°	137.7	153.1	162.2	167.2	168.3	170.2	178.0	185.3	196.6	216.4	232.1
-72.5°	106.0	121.3	133.1	141.3	141.9	138.9	136.2	133.7	145.1	168.2	187.4
-75°	81.1	90.5	102.4	111.7	113.7	110.5	105.0	100.1	110.4	129.8	148.5
-77.5°	61.1	68.5	76.0	83.5	85.4	83.8	80.2	74.6	83.0	98.8	116.2
-80°	42.8	46.4	51.7	57.2	58.7	58.1	56.3	53.2	59.9	69.6	80.6
-82.5°	27.7	30.1	32.4	34.6	34.6	33.8	32.6	31.3	36.1	42.0	48.3
-85°	13.9	13.7	14.7	15.8	16.1	16.1	15.5	14.6	16.8	19.2	21.8
-87.5°	6.9	6.8	6.6	6.3	5.8	5.3	4.6	3.9	4.1	4.2	4.4
-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: P559117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-935-U-MWR-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°	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.2	5.3	4.7	4.0
85°	24.6	23.8	22.5	20.9	18.8	19.9	21.0	22.2	23.3	21.7	20.0
82.5°	55.1	55.8	55.8	55.7	55.4	57.8	60.1	62.1	63.8	59.0	53.3
80°	92.8	97.2	99.8	102.2	104.2	104.3	102.9	100.4	97.0	88.7	79.6
77.5°	134.1	141.1	144.5	148.1	151.6	152.9	153.7	154.7	155.6	141.2	122.8
75°	166.4	176.7	182.7	188.3	193.4	196.4	198.0	199.0	199.5	182.1	159.7
72.5°	202.9	213.1	220.3	227.2	233.6	237.8	240.2	242.1	243.3	228.2	206.7
70°	243.3	251.3	259.9	268.4	276.3	281.7	285.2	288.1	290.2	288.7	287.6
67.5°	291.0	298.0	308.4	316.6	324.8	330.7	336.8	341.7	345.3	349.3	353.9
65°	350.7	367.5	382.8	390.6	391.8	400.2	414.0	423.0	427.4	431.0	435.5
62.5°	433.8	454.3	465.2	478.2	495.1	510.7	516.7	524.9	534.5	546.1	559.5
60°	505.1	522.0	539.5	557.5	573.0	586.0	600.1	614.0	626.7	638.4	649.8
57.5°	578.0	596.5	614.3	635.5	650.2	658.9	672.6	689.4	702.3	712.4	727.7
55°	653.6	677.5	701.7	720.7	734.6	743.8	754.2	770.4	779.9	783.6	801.3
52.5°	729.5	757.8	787.6	809.9	824.7	838.5	851.3	865.4	875.2	879.9	897.2
50°	799.8	833.5	866.8	895.9	915.6	938.5	964.4	977.2	985.4	994.6	1013.9
47.5°	866.7	904.5	940.1	973.0	1001.4	1027.1	1049.4	1070.9	1102.5	1127.7	1152.5
45°	931.1	971.3	1009.9	1046.9	1078.6	1128.9	1176.7	1217.5	1326.5	1418.1	1487.9
42.5°	991.7	1040.3	1083.7	1145.3	1212.2	1328.4	1507.7	1673.8	1995.3	2409.1	2754.7
40°	1054.9	1117.9	1195.7	1315.5	1542.2	1775.3	2472.2	3093.2	3703.9	4398.5	4993.7
37.5°	1128.6	1223.5	1451.7	1722.4	2449.4	3253.5	4241.1	5210.5	6054.6	6776.9	7380.0
35°	1226.2	1519.5	1945.8	2932.4	4006.5	5324.9	6463.2	7374.8	8208.7	8877.9	9381.7
32.5°	1513.9	2050.5	3176.8	4533.8	6011.1	7284.8	8393.4	9266.4	10027.0	10626.8	11093.9
30°	1935.1	3168.5	4698.1	6323.3	7794.8	9010.9	10035.3	10867.3	11546.3	12156.6	12669.0
27.5°	2936.2	4523.2	6321.1	7978.7	9317.2	10455.8	11374.7	12198.9	12947.5	13590.1	14196.0
25°	4031.6	5996.3	7809.7	9318.4	10567.5	11635.7	12604.9	13506.4	14344.5	15096.7	15801.4
22.5°	5347.2	7306.6	9039.7	10436.0	11646.4	12743.8	13773.2	14776.6	15752.2	16670.0	17522.6
20°	6538.3	8461.4	9972.6	11367.1	12624.6	13768.1	14902.6	16072.1	17197.9	18303.6	19330.2
17.5°	7466.5	9255.5	10772.7	12186.2	13466.1	14761.2	16059.6	17402.7	18760.8	20044.7	21272.8
15°	8241.6	9917.9	11455.4	12868.8	14276.2	15705.0	17155.5	18737.9	20353.3	21890.1	23455.4
12.5°	8791.0	10470.7	12029.5	13447.7	15025.5	16576.5	18265.1	20068.5	21934.1	23724.2	25647.0
10°	9232.7	10911.8	12457.4	13986.6	15656.4	17376.2	19270.0	21256.4	23482.6	25602.2	27673.9
7.5°	9611.7	11279.7	12801.3	14426.0	16181.4	18071.6	20131.3	22377.1	24786.2	27144.9	29610.9
5°	9889.0	11530.5	13068.4	14786.3	16584.9	18579.7	20795.6	23195.3	25779.0	28363.4	30802.0
2.5°	10035.8	11673.5	13234.5	15009.8	16821.5	18887.5	21195.3	23738.8	26467.8	29287.9	31692.3
0°	10032.4	11733.6	13298.3	15160.6	16995.5	18980.7	21367.3	24087.0	26749.4	29679.4	32147.9
-2.5°	10035.8	11673.5	13234.5	15009.8	16821.5	18887.5	21195.3	23738.8	26467.8	29287.9	31692.3
-5°	9889.0	11530.5	13068.4	14786.3	16584.9	18579.7	20795.6	23195.3	25779.0	28363.4	30802.0
-7.5°	9611.7	11279.7	12801.3	14426.0	16181.4	18071.6	20131.3	22377.1	24786.2	27144.9	29610.9
-10°	9232.7	10911.8	12457.4	13986.6	15656.4	17376.2	19270.0	21256.4	23482.6	25602.2	27673.9
-12.5°	8791.0	10470.7	12029.5	13447.7	15025.5	16576.5	18265.1	20068.5	21934.1	23724.2	25647.0
-15°	8241.6	9917.9	11455.4	12868.8	14276.2	15705.0	17155.5	18737.9	20353.3	21890.1	23455.4
-17.5°	7466.5	9255.5	10772.7	12186.2	13466.1	14761.2	16059.6	17402.7	18760.8	20044.7	21272.8
-20°	6538.3	8461.4	9972.6	11367.1	12624.6	13768.1	14902.6	16072.1	17197.9	18303.6	19330.2



REPORT NUMBER: P559117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-935-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5347.2	7306.6	9039.7	10436.0	11646.4	12743.8	13773.2	14776.6	15752.2	16670.0	17522.6
-25°	4031.6	5996.3	7809.7	9318.4	10567.5	11635.7	12604.9	13506.4	14344.5	15096.7	15801.4
-27.5°	2936.2	4523.2	6321.1	7978.7	9317.2	10455.8	11374.7	12198.9	12947.5	13590.1	14196.0
-30°	1935.1	3168.5	4698.1	6323.3	7794.8	9010.9	10035.3	10867.3	11546.3	12156.6	12669.0
-32.5°	1513.9	2050.5	3176.8	4533.8	6011.1	7284.8	8393.4	9266.4	10027.0	10626.8	11093.9
-35°	1226.2	1519.5	1945.8	2932.4	4006.5	5324.9	6463.2	7374.8	8208.7	8877.9	9381.7
-37.5°	1128.6	1223.5	1451.7	1722.4	2449.4	3253.5	4241.1	5210.5	6054.6	6776.9	7380.0
-40°	1054.9	1117.9	1195.7	1315.5	1542.2	1775.3	2472.2	3093.2	3703.9	4398.5	4993.7
-42.5°	991.7	1040.3	1083.7	1145.3	1212.2	1328.4	1507.7	1673.8	1995.3	2409.1	2754.7
-45°	931.1	971.3	1009.9	1046.9	1078.6	1128.9	1176.7	1217.5	1326.5	1418.1	1487.9
-47.5°	866.7	904.5	940.1	973.0	1001.4	1027.1	1049.4	1070.9	1102.5	1127.7	1152.5
-50°	799.8	833.5	866.8	895.9	915.6	938.5	964.4	977.2	985.4	994.6	1013.9
-52.5°	729.5	757.8	787.6	809.9	824.7	838.5	851.3	865.4	875.2	879.9	897.2
-55°	653.6	677.5	701.7	720.7	734.6	743.8	754.2	770.4	779.9	783.6	801.3
-57.5°	578.0	596.5	614.3	635.5	650.2	658.9	672.6	689.4	702.3	712.4	727.7
-60°	505.1	522.0	539.5	557.5	573.0	586.0	600.1	614.0	626.7	638.4	649.8
-62.5°	433.8	454.3	465.2	478.2	495.1	510.7	516.7	524.9	534.5	546.1	559.5
-65°	350.7	367.5	382.8	390.6	391.8	400.2	414.0	423.0	427.4	431.0	435.5
-67.5°	291.0	298.0	308.4	316.6	324.8	330.7	336.8	341.7	345.3	349.3	353.9
-70°	243.3	251.3	259.9	268.4	276.3	281.7	285.2	288.1	290.2	288.7	287.6
-72.5°	202.9	213.1	220.3	227.2	233.6	237.8	240.2	242.1	243.3	228.2	206.7
-75°	166.4	176.7	182.7	188.3	193.4	196.4	198.0	199.0	199.5	182.1	159.7
-77.5°	134.1	141.1	144.5	148.1	151.6	152.9	153.7	154.7	155.6	141.2	122.8
-80°	92.8	97.2	99.8	102.2	104.2	104.3	102.9	100.4	97.0	88.7	79.6
-82.5°	55.1	55.8	55.8	55.7	55.4	57.8	60.1	62.1	63.8	59.0	53.3
-85°	24.6	23.8	22.5	20.9	18.8	19.9	21.0	22.2	23.3	21.7	20.0
-87.5°	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.2	5.3	4.7	4.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-935-U-MWR-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°	3.4	2.7	2.7	2.7	2.7	2.7	3.4	4.0	4.7	5.3	5.2
85°	18.2	16.3	16.4	16.4	16.4	16.3	18.2	20.0	21.7	23.3	22.2
82.5°	47.2	40.8	40.9	41.0	40.9	40.8	47.2	53.3	59.0	63.8	62.1
80°	70.0	60.1	61.4	62.8	61.4	60.1	70.0	79.6	88.7	97.0	100.4
77.5°	103.1	82.5	81.8	81.9	81.8	82.5	103.1	122.8	141.2	155.6	154.7
75°	136.6	113.0	111.8	112.0	111.8	113.0	136.6	159.7	182.1	199.5	199.0
72.5°	184.7	162.0	151.7	142.0	151.7	162.0	184.7	206.7	228.2	243.3	242.1
70°	287.8	288.5	278.4	264.9	278.4	288.5	287.8	287.6	288.7	290.2	288.1
67.5°	357.7	360.7	364.9	368.6	364.9	360.7	357.7	353.9	349.3	345.3	341.7
65°	437.5	437.3	438.8	439.6	438.8	437.3	437.5	435.5	431.0	427.4	423.0
62.5°	570.9	580.1	586.6	589.8	586.6	580.1	570.9	559.5	546.1	534.5	524.9
60°	659.3	666.8	677.5	688.1	677.5	666.8	659.3	649.8	638.4	626.7	614.0
57.5°	741.9	754.7	765.1	772.8	765.1	754.7	741.9	727.7	712.4	702.3	689.4
55°	818.1	832.9	847.2	860.2	847.2	832.9	818.1	801.3	783.6	779.9	770.4
52.5°	913.9	926.1	946.4	972.1	946.4	926.1	913.9	897.2	879.9	875.2	865.4
50°	1036.2	1054.7	1080.4	1111.4	1080.4	1054.7	1036.2	1013.9	994.6	985.4	977.2
47.5°	1177.7	1196.3	1220.9	1253.4	1220.9	1196.3	1177.7	1152.5	1127.7	1102.5	1070.9
45°	1551.8	1595.4	1635.4	1679.3	1635.4	1595.4	1551.8	1487.9	1418.1	1326.5	1217.5
42.5°	3031.8	3223.3	3306.0	3257.7	3306.0	3223.3	3031.8	2754.7	2409.1	1995.3	1673.8
40°	5447.5	5765.8	5953.2	6018.3	5953.2	5765.8	5447.5	4993.7	4398.5	3703.9	3093.2
37.5°	7820.4	8113.4	8271.6	8290.2	8271.6	8113.4	7820.4	7380.0	6776.9	6054.6	5210.5
35°	9745.4	9986.8	10129.8	10237.2	10129.8	9986.8	9745.4	9381.7	8877.9	8208.7	7374.8
32.5°	11474.1	11749.2	11908.2	11872.9	11908.2	11749.2	11474.1	11093.9	10626.8	10027.0	9266.4
30°	13089.1	13389.9	13576.7	13582.2	13576.7	13389.9	13089.1	12669.0	12156.6	11546.3	10867.3
27.5°	14685.6	15023.4	15218.3	15370.8	15218.3	15023.4	14685.6	14196.0	13590.1	12947.5	12198.9
25°	16389.0	16810.0	17059.9	17211.3	17059.9	16810.0	16389.0	15801.4	15096.7	14344.5	13506.4
22.5°	18225.5	18747.0	19089.5	19231.9	19089.5	18747.0	18225.5	17522.6	16670.0	15752.2	14776.6
20°	20223.1	20869.3	21306.8	21293.6	21306.8	20869.3	20223.1	19330.2	18303.6	17197.9	16072.1
17.5°	22452.1	23285.7	23849.8	23931.4	23849.8	23285.7	22452.1	21272.8	20044.7	18760.8	17402.7
15°	24841.8	25916.5	26646.1	26872.3	26646.1	25916.5	24841.8	23455.4	21890.1	20353.3	18737.9
12.5°	27290.6	28568.9	29541.6	29865.1	29541.6	28568.9	27290.6	25647.0	23724.2	21934.1	20068.5
10°	29623.9	31039.8	32095.6	32563.0	32095.6	31039.8	29623.9	27673.9	25602.2	23482.6	21256.4
7.5°	31574.4	33013.1	34100.6	34485.3	34100.6	33013.1	31574.4	29610.9	27144.9	24786.2	22377.1
5°	32859.5	34431.2	35276.9	35752.4	35276.9	34431.2	32859.5	30802.0	28363.4	25779.0	23195.3
2.5°	33718.0	35050.8	35907.2	36344.9	35907.2	35050.8	33718.0	31692.3	29287.9	26467.8	23738.8
0°	34174.0	35531.2	36159.2	36372.2	36159.2	35531.2	34174.0	32147.9	29679.4	26749.4	24087.0
-2.5°	33718.0	35050.8	35907.2	36344.9	35907.2	35050.8	33718.0	31692.3	29287.9	26467.8	23738.8
-5°	32859.5	34431.2	35276.9	35752.4	35276.9	34431.2	32859.5	30802.0	28363.4	25779.0	23195.3
-7.5°	31574.4	33013.1	34100.6	34485.3	34100.6	33013.1	31574.4	29610.9	27144.9	24786.2	22377.1
-10°	29623.9	31039.8	32095.6	32563.0	32095.6	31039.8	29623.9	27673.9	25602.2	23482.6	21256.4
-12.5°	27290.6	28568.9	29541.6	29865.1	29541.6	28568.9	27290.6	25647.0	23724.2	21934.1	20068.5
-15°	24841.8	25916.5	26646.1	26872.3	26646.1	25916.5	24841.8	23455.4	21890.1	20353.3	18737.9
-17.5°	22452.1	23285.7	23849.8	23931.4	23849.8	23285.7	22452.1	21272.8	20044.7	18760.8	17402.7
-20°	20223.1	20869.3	21306.8	21293.6	21306.8	20869.3	20223.1	19330.2	18303.6	17197.9	16072.1



REPORT NUMBER: P559117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-935-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18225.5	18747.0	19089.5	19231.9	19089.5	18747.0	18225.5	17522.6	16670.0	15752.2	14776.6
-25°	16389.0	16810.0	17059.9	17211.3	17059.9	16810.0	16389.0	15801.4	15096.7	14344.5	13506.4
-27.5°	14685.6	15023.4	15218.3	15370.8	15218.3	15023.4	14685.6	14196.0	13590.1	12947.5	12198.9
-30°	13089.1	13389.9	13576.7	13582.2	13576.7	13389.9	13089.1	12669.0	12156.6	11546.3	10867.3
-32.5°	11474.1	11749.2	11908.2	11872.9	11908.2	11749.2	11474.1	11093.9	10626.8	10027.0	9266.4
-35°	9745.4	9986.8	10129.8	10237.2	10129.8	9986.8	9745.4	9381.7	8877.9	8208.7	7374.8
-37.5°	7820.4	8113.4	8271.6	8290.2	8271.6	8113.4	7820.4	7380.0	6776.9	6054.6	5210.5
-40°	5447.5	5765.8	5953.2	6018.3	5953.2	5765.8	5447.5	4993.7	4398.5	3703.9	3093.2
-42.5°	3031.8	3223.3	3306.0	3257.7	3306.0	3223.3	3031.8	2754.7	2409.1	1995.3	1673.8
-45°	1551.8	1595.4	1635.4	1679.3	1635.4	1595.4	1551.8	1487.9	1418.1	1326.5	1217.5
-47.5°	1177.7	1196.3	1220.9	1253.4	1220.9	1196.3	1177.7	1152.5	1127.7	1102.5	1070.9
-50°	1036.2	1054.7	1080.4	1111.4	1080.4	1054.7	1036.2	1013.9	994.6	985.4	977.2
-52.5°	913.9	926.1	946.4	972.1	946.4	926.1	913.9	897.2	879.9	875.2	865.4
-55°	818.1	832.9	847.2	860.2	847.2	832.9	818.1	801.3	783.6	779.9	770.4
-57.5°	741.9	754.7	765.1	772.8	765.1	754.7	741.9	727.7	712.4	702.3	689.4
-60°	659.3	666.8	677.5	688.1	677.5	666.8	659.3	649.8	638.4	626.7	614.0
-62.5°	570.9	580.1	586.6	589.8	586.6	580.1	570.9	559.5	546.1	534.5	524.9
-65°	437.5	437.3	438.8	439.6	438.8	437.3	437.5	435.5	431.0	427.4	423.0
-67.5°	357.7	360.7	364.9	368.6	364.9	360.7	357.7	353.9	349.3	345.3	341.7
-70°	287.8	288.5	278.4	264.9	278.4	288.5	287.8	287.6	288.7	290.2	288.1
-72.5°	184.7	162.0	151.7	142.0	151.7	162.0	184.7	206.7	228.2	243.3	242.1
-75°	136.6	113.0	111.8	112.0	111.8	113.0	136.6	159.7	182.1	199.5	199.0
-77.5°	103.1	82.5	81.8	81.9	81.8	82.5	103.1	122.8	141.2	155.6	154.7
-80°	70.0	60.1	61.4	62.8	61.4	60.1	70.0	79.6	88.7	97.0	100.4
-82.5°	47.2	40.8	40.9	41.0	40.9	40.8	47.2	53.3	59.0	63.8	62.1
-85°	18.2	16.3	16.4	16.4	16.4	16.3	18.2	20.0	21.7	23.3	22.2
-87.5°	3.4	2.7	2.7	2.7	2.7	2.7	3.4	4.0	4.7	5.3	5.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-935-U-MWR-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°	5.2	5.1	5.0	4.9	4.8	4.6	4.5	4.4	4.2	4.1	3.9
85°	21.0	19.9	18.8	20.9	22.5	23.8	24.6	21.8	19.2	16.8	14.6
82.5°	60.1	57.8	55.4	55.7	55.8	55.8	55.1	48.3	42.0	36.1	31.3
80°	102.9	104.3	104.2	102.2	99.8	97.2	92.8	80.6	69.6	59.9	53.2
77.5°	153.7	152.9	151.6	148.1	144.5	141.1	134.1	116.2	98.8	83.0	74.6
75°	198.0	196.4	193.4	188.3	182.7	176.7	166.4	148.5	129.8	110.4	100.1
72.5°	240.2	237.8	233.6	227.2	220.3	213.1	202.9	187.4	168.2	145.1	133.7
70°	285.2	281.7	276.3	268.4	259.9	251.3	243.3	232.1	216.4	196.6	185.3
67.5°	336.8	330.7	324.8	316.6	308.4	298.0	291.0	281.5	269.6	252.8	240.1
65°	414.0	400.2	391.8	390.6	382.8	367.5	350.7	339.9	328.4	312.6	295.1
62.5°	516.7	510.7	495.1	478.2	465.2	454.3	433.8	411.1	391.5	373.6	352.8
60°	600.1	586.0	573.0	557.5	539.5	522.0	505.1	482.9	455.3	433.0	410.1
57.5°	672.6	658.9	650.2	635.5	614.3	596.5	578.0	555.6	528.5	496.1	467.5
55°	754.2	743.8	734.6	720.7	701.7	677.5	653.6	629.6	599.3	560.3	525.0
52.5°	851.3	838.5	824.7	809.9	787.6	757.8	729.5	701.1	666.0	623.8	580.9
50°	964.4	938.5	915.6	895.9	866.8	833.5	799.8	767.8	726.3	682.9	638.2
47.5°	1049.4	1027.1	1001.4	973.0	940.1	904.5	866.7	826.5	783.0	737.7	690.8
45°	1176.7	1128.9	1078.6	1046.9	1009.9	971.3	931.1	885.2	837.7	789.6	740.1
42.5°	1507.7	1328.4	1212.2	1145.3	1083.7	1040.3	991.7	942.1	891.5	840.0	787.8
40°	2472.2	1775.3	1542.2	1315.5	1195.7	1117.9	1054.9	996.9	943.1	888.6	833.5
37.5°	4241.1	3253.5	2449.4	1722.4	1451.7	1223.5	1128.6	1053.7	992.6	935.7	877.6
35°	6463.2	5324.9	4006.5	2932.4	1945.8	1519.5	1226.2	1121.0	1043.0	981.3	920.1
32.5°	8393.4	7284.8	6011.1	4533.8	3176.8	2050.5	1513.9	1210.6	1098.5	1026.4	961.3
30°	10035.3	9010.9	7794.8	6323.3	4698.1	3168.5	1935.1	1440.4	1181.3	1069.3	1000.8
27.5°	11374.7	10455.8	9317.2	7978.7	6321.1	4523.2	2936.2	1726.2	1305.9	1133.6	1038.2
25°	12604.9	11635.7	10567.5	9318.4	7809.7	5996.3	4031.6	2479.1	1550.6	1202.6	1073.0
22.5°	13773.2	12743.8	11646.4	10436.0	9039.7	7306.6	5347.2	3316.8	1797.6	1327.2	1127.0
20°	14902.6	13768.1	12624.6	11367.1	9972.6	8461.4	6538.3	4320.7	2502.7	1516.5	1178.3
17.5°	16059.6	14761.2	13466.1	12186.2	10772.7	9255.5	7466.5	5330.1	3115.5	1686.9	1222.7
15°	17155.5	15705.0	14276.2	12868.8	11455.4	9917.9	8241.6	6229.2	3724.0	2031.6	1348.7
12.5°	18265.1	16576.5	15025.5	13447.7	12029.5	10470.7	8791.0	6842.8	4437.7	2453.8	1473.9
10°	19270.0	17376.2	15656.4	13986.6	12457.4	10911.8	9232.7	7336.0	5024.7	2801.0	1576.8
7.5°	20131.3	18071.6	16181.4	14426.0	12801.3	11279.7	9611.7	7729.5	5466.9	3069.1	1657.0
5°	20795.6	18579.7	16584.9	14786.3	13068.4	11530.5	9889.0	8016.1	5764.8	3257.5	1714.6
2.5°	21195.3	18887.5	16821.5	15009.8	13234.5	11673.5	10035.8	8199.4	5954.5	3379.0	1757.3
0°	21367.3	18980.7	16995.5	15160.6	13298.3	11733.6	10032.4	8268.4	6023.8	3424.2	1777.7
-2.5°	21195.3	18887.5	16821.5	15009.8	13234.5	11673.5	10035.8	8199.4	5954.5	3379.0	1757.3
-5°	20795.6	18579.7	16584.9	14786.3	13068.4	11530.5	9889.0	8016.1	5764.8	3257.5	1714.6
-7.5°	20131.3	18071.6	16181.4	14426.0	12801.3	11279.7	9611.7	7729.5	5466.9	3069.1	1657.0
-10°	19270.0	17376.2	15656.4	13986.6	12457.4	10911.8	9232.7	7336.0	5024.7	2801.0	1576.8
-12.5°	18265.1	16576.5	15025.5	13447.7	12029.5	10470.7	8791.0	6842.8	4437.7	2453.8	1473.9
-15°	17155.5	15705.0	14276.2	12868.8	11455.4	9917.9	8241.6	6229.2	3724.0	2031.6	1348.7
-17.5°	16059.6	14761.2	13466.1	12186.2	10772.7	9255.5	7466.5	5330.1	3115.5	1686.9	1222.7
-20°	14902.6	13768.1	12624.6	11367.1	9972.6	8461.4	6538.3	4320.7	2502.7	1516.5	1178.3



REPORT NUMBER: P559117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-935-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13773.2	12743.8	11646.4	10436.0	9039.7	7306.6	5347.2	3316.8	1797.6	1327.2	1127.0
-25°	12604.9	11635.7	10567.5	9318.4	7809.7	5996.3	4031.6	2479.1	1550.6	1202.6	1073.0
-27.5°	11374.7	10455.8	9317.2	7978.7	6321.1	4523.2	2936.2	1726.2	1305.9	1133.6	1038.2
-30°	10035.3	9010.9	7794.8	6323.3	4698.1	3168.5	1935.1	1440.4	1181.3	1069.3	1000.8
-32.5°	8393.4	7284.8	6011.1	4533.8	3176.8	2050.5	1513.9	1210.6	1098.5	1026.4	961.3
-35°	6463.2	5324.9	4006.5	2932.4	1945.8	1519.5	1226.2	1121.0	1043.0	981.3	920.1
-37.5°	4241.1	3253.5	2449.4	1722.4	1451.7	1223.5	1128.6	1053.7	992.6	935.7	877.6
-40°	2472.2	1775.3	1542.2	1315.5	1195.7	1117.9	1054.9	996.9	943.1	888.6	833.5
-42.5°	1507.7	1328.4	1212.2	1145.3	1083.7	1040.3	991.7	942.1	891.5	840.0	787.8
-45°	1176.7	1128.9	1078.6	1046.9	1009.9	971.3	931.1	885.2	837.7	789.6	740.1
-47.5°	1049.4	1027.1	1001.4	973.0	940.1	904.5	866.7	826.5	783.0	737.7	690.8
-50°	964.4	938.5	915.6	895.9	866.8	833.5	799.8	767.8	726.3	682.9	638.2
-52.5°	851.3	838.5	824.7	809.9	787.6	757.8	729.5	701.1	666.0	623.8	580.9
-55°	754.2	743.8	734.6	720.7	701.7	677.5	653.6	629.6	599.3	560.3	525.0
-57.5°	672.6	658.9	650.2	635.5	614.3	596.5	578.0	555.6	528.5	496.1	467.5
-60°	600.1	586.0	573.0	557.5	539.5	522.0	505.1	482.9	455.3	433.0	410.1
-62.5°	516.7	510.7	495.1	478.2	465.2	454.3	433.8	411.1	391.5	373.6	352.8
-65°	414.0	400.2	391.8	390.6	382.8	367.5	350.7	339.9	328.4	312.6	295.1
-67.5°	336.8	330.7	324.8	316.6	308.4	298.0	291.0	281.5	269.6	252.8	240.1
-70°	285.2	281.7	276.3	268.4	259.9	251.3	243.3	232.1	216.4	196.6	185.3
-72.5°	240.2	237.8	233.6	227.2	220.3	213.1	202.9	187.4	168.2	145.1	133.7
-75°	198.0	196.4	193.4	188.3	182.7	176.7	166.4	148.5	129.8	110.4	100.1
-77.5°	153.7	152.9	151.6	148.1	144.5	141.1	134.1	116.2	98.8	83.0	74.6
-80°	102.9	104.3	104.2	102.2	99.8	97.2	92.8	80.6	69.6	59.9	53.2
-82.5°	60.1	57.8	55.4	55.7	55.8	55.8	55.1	48.3	42.0	36.1	31.3
-85°	21.0	19.9	18.8	20.9	22.5	23.8	24.6	21.8	19.2	16.8	14.6
-87.5°	5.2	5.1	5.0	4.9	4.8	4.6	4.5	4.4	4.2	4.1	3.9
-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: P559117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-935-U-MWR-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°	4.6	5.3	5.8	6.3	6.6	6.8	6.9	6.9	6.5	6.1	5.5
85°	15.5	16.1	16.1	15.8	14.7	13.7	13.9	13.9	13.1	12.1	11.1
82.5°	32.6	33.8	34.6	34.6	32.4	30.1	27.7	25.2	22.4	18.7	16.6
80°	56.3	58.1	58.7	57.2	51.7	46.4	42.8	39.2	36.4	32.3	27.0
77.5°	80.2	83.8	85.4	83.5	76.0	68.5	61.1	54.5	50.4	45.9	40.0
75°	105.0	110.5	113.7	111.7	102.4	90.5	81.1	73.3	67.5	60.0	53.0
72.5°	136.2	138.9	141.9	141.3	133.1	121.3	106.0	92.3	85.9	77.4	66.8
70°	178.0	170.2	168.3	167.2	162.2	153.1	137.7	119.6	104.6	94.9	83.0
67.5°	229.1	218.4	207.3	195.5	189.5	181.3	169.1	147.9	128.1	112.6	99.3
65°	279.6	265.3	251.8	234.6	220.5	209.6	197.1	174.5	150.7	131.0	115.6
62.5°	331.2	310.2	292.0	272.1	253.4	238.2	224.8	199.1	172.5	148.7	130.3
60°	385.3	359.9	332.3	308.4	285.8	265.5	247.5	223.4	194.5	165.4	143.7
57.5°	440.1	410.4	376.8	345.3	318.4	293.5	269.1	244.5	216.2	184.0	155.6
55°	494.2	461.6	421.1	383.7	351.0	322.4	291.8	264.0	236.6	203.1	164.3
52.5°	542.5	508.4	468.1	422.9	383.7	350.1	316.3	283.2	254.0	221.6	176.0
50°	591.8	549.5	511.0	466.2	416.4	377.4	340.1	304.3	270.9	238.8	187.0
47.5°	643.1	593.7	548.6	506.6	455.8	403.9	364.0	325.1	287.4	253.6	196.7
45°	690.2	639.2	587.4	540.7	492.4	434.8	387.5	345.0	305.3	261.1	205.0
42.5°	734.9	681.6	627.5	573.7	523.1	465.2	410.2	365.3	322.4	266.9	210.8
40°	777.7	721.6	665.2	609.1	553.8	492.8	434.9	385.0	337.6	272.0	214.7
37.5°	818.5	759.7	700.6	642.9	585.1	521.5	457.7	403.9	344.9	277.6	217.4
35°	858.0	795.7	735.8	675.3	614.7	550.5	478.1	422.0	356.0	282.3	218.9
32.5°	895.5	830.9	769.1	706.5	642.6	579.7	501.0	438.5	369.4	286.1	219.3
30°	932.1	865.3	800.4	736.3	669.1	604.1	526.8	454.7	385.0	289.0	219.3
27.5°	967.1	897.0	829.6	763.6	694.8	626.5	552.0	470.6	402.6	294.6	220.7
25°	999.1	926.6	856.8	788.7	719.0	648.1	575.3	486.3	417.3	306.5	221.3
22.5°	1028.9	953.6	881.4	811.6	742.6	668.8	594.9	505.5	429.4	318.8	221.0
20°	1055.9	977.5	904.4	835.7	764.0	688.6	611.6	522.9	440.7	331.4	219.9
17.5°	1082.9	1002.5	930.8	858.6	783.8	706.6	627.2	538.5	451.2	343.8	217.8
15°	1125.6	1029.5	954.9	880.2	802.1	722.7	641.5	552.1	460.7	355.8	217.1
12.5°	1163.9	1053.7	976.5	900.1	818.9	736.8	654.3	563.9	469.2	364.0	218.0
10°	1196.3	1074.8	995.6	918.2	833.9	748.9	665.6	573.9	476.2	367.4	217.5
7.5°	1222.7	1093.0	1012.0	934.3	847.7	760.6	676.1	582.3	483.1	367.7	215.8
5°	1245.4	1112.8	1032.7	951.9	864.1	772.1	684.8	588.7	489.2	365.2	213.0
2.5°	1271.4	1136.8	1055.5	967.4	878.4	781.7	691.6	593.0	494.1	360.0	209.2
0°	1291.6	1157.8	1075.9	980.3	890.2	789.2	696.3	595.3	497.0	352.3	204.8
-2.5°	1271.4	1136.8	1055.5	967.4	878.4	781.7	691.6	593.0	494.1	360.0	209.2
-5°	1245.4	1112.8	1032.7	951.9	864.1	772.1	684.8	588.7	489.2	365.2	213.0
-7.5°	1222.7	1093.0	1012.0	934.3	847.7	760.6	676.1	582.3	483.1	367.7	215.8
-10°	1196.3	1074.8	995.6	918.2	833.9	748.9	665.6	573.9	476.2	367.4	217.5
-12.5°	1163.9	1053.7	976.5	900.1	818.9	736.8	654.3	563.9	469.2	364.0	218.0
-15°	1125.6	1029.5	954.9	880.2	802.1	722.7	641.5	552.1	460.7	355.8	217.1
-17.5°	1082.9	1002.5	930.8	858.6	783.8	706.6	627.2	538.5	451.2	343.8	217.8
-20°	1055.9	977.5	904.4	835.7	764.0	688.6	611.6	522.9	440.7	331.4	219.9



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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°	1028.9	953.6	881.4	811.6	742.6	668.8	594.9	505.5	429.4	318.8	221.0
-25°	999.1	926.6	856.8	788.7	719.0	648.1	575.3	486.3	417.3	306.5	221.3
-27.5°	967.1	897.0	829.6	763.6	694.8	626.5	552.0	470.6	402.6	294.6	220.7
-30°	932.1	865.3	800.4	736.3	669.1	604.1	526.8	454.7	385.0	289.0	219.3
-32.5°	895.5	830.9	769.1	706.5	642.6	579.7	501.0	438.5	369.4	286.1	219.3
-35°	858.0	795.7	735.8	675.3	614.7	550.5	478.1	422.0	356.0	282.3	218.9
-37.5°	818.5	759.7	700.6	642.9	585.1	521.5	457.7	403.9	344.9	277.6	217.4
-40°	777.7	721.6	665.2	609.1	553.8	492.8	434.9	385.0	337.6	272.0	214.7
-42.5°	734.9	681.6	627.5	573.7	523.1	465.2	410.2	365.3	322.4	266.9	210.8
-45°	690.2	639.2	587.4	540.7	492.4	434.8	387.5	345.0	305.3	261.1	205.0
-47.5°	643.1	593.7	548.6	506.6	455.8	403.9	364.0	325.1	287.4	253.6	196.7
-50°	591.8	549.5	511.0	466.2	416.4	377.4	340.1	304.3	270.9	238.8	187.0
-52.5°	542.5	508.4	468.1	422.9	383.7	350.1	316.3	283.2	254.0	221.6	176.0
-55°	494.2	461.6	421.1	383.7	351.0	322.4	291.8	264.0	236.6	203.1	164.3
-57.5°	440.1	410.4	376.8	345.3	318.4	293.5	269.1	244.5	216.2	184.0	155.6
-60°	385.3	359.9	332.3	308.4	285.8	265.5	247.5	223.4	194.5	165.4	143.7
-62.5°	331.2	310.2	292.0	272.1	253.4	238.2	224.8	199.1	172.5	148.7	130.3
-65°	279.6	265.3	251.8	234.6	220.5	209.6	197.1	174.5	150.7	131.0	115.6
-67.5°	229.1	218.4	207.3	195.5	189.5	181.3	169.1	147.9	128.1	112.6	99.3
-70°	178.0	170.2	168.3	167.2	162.2	153.1	137.7	119.6	104.6	94.9	83.0
-72.5°	136.2	138.9	141.9	141.3	133.1	121.3	106.0	92.3	85.9	77.4	66.8
-75°	105.0	110.5	113.7	111.7	102.4	90.5	81.1	73.3	67.5	60.0	53.0
-77.5°	80.2	83.8	85.4	83.5	76.0	68.5	61.1	54.5	50.4	45.9	40.0
-80°	56.3	58.1	58.7	57.2	51.7	46.4	42.8	39.2	36.4	32.3	27.0
-82.5°	32.6	33.8	34.6	34.6	32.4	30.1	27.7	25.2	22.4	18.7	16.6
-85°	15.5	16.1	16.1	15.8	14.7	13.7	13.9	13.9	13.1	12.1	11.1
-87.5°	4.6	5.3	5.8	6.3	6.6	6.8	6.9	6.9	6.5	6.1	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



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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°	4.9	3.8	2.8	2.0	1.2	0.6	0.0
85°	9.9	7.7	5.7	3.9	2.4	1.2	0.0
82.5°	14.7	11.5	8.5	5.9	3.6	1.8	0.0
80°	20.4	15.2	11.3	7.8	4.8	2.4	0.0
77.5°	32.0	20.7	14.0	9.7	5.9	3.0	0.0
75°	43.4	29.6	17.4	11.5	7.1	3.5	0.0
72.5°	54.5	38.2	23.8	13.4	8.2	4.1	0.0
70°	65.6	46.7	30.1	15.6	9.4	4.7	0.0
67.5°	78.5	54.8	36.2	19.9	10.5	5.2	0.0
65°	91.0	63.6	42.1	24.0	11.6	5.8	0.0
62.5°	102.9	72.8	47.7	28.0	12.6	6.3	0.0
60°	114.1	81.6	53.1	31.8	13.7	6.8	0.0
57.5°	121.8	90.0	59.4	35.4	16.1	7.4	0.0
55°	128.3	97.8	65.3	38.9	18.4	7.9	0.0
52.5°	133.8	104.5	70.8	42.2	20.7	8.3	0.0
50°	138.4	107.9	76.0	45.3	22.8	8.8	0.0
47.5°	142.7	110.5	80.8	48.4	24.9	9.3	0.0
45°	149.6	112.6	85.2	51.6	26.9	9.7	0.0
42.5°	155.4	113.9	89.1	54.6	28.8	10.1	0.0
40°	160.2	114.5	91.2	57.7	30.6	10.5	0.0
37.5°	163.9	114.5	91.5	61.0	32.2	10.9	0.0
35°	166.5	115.9	91.4	64.1	33.8	11.2	0.0
32.5°	167.8	117.7	90.8	67.2	35.3	11.6	0.0
30°	167.7	118.8	89.9	70.2	36.6	11.9	0.0
27.5°	166.7	119.1	90.9	73.0	37.9	12.2	0.0
25°	164.9	118.8	91.9	75.7	39.0	12.4	0.0
22.5°	162.3	119.1	92.8	78.3	40.0	12.7	0.0
20°	158.9	122.1	93.6	80.7	40.9	12.9	0.0
17.5°	159.1	124.8	94.2	83.0	41.7	13.1	0.0
15°	161.4	127.2	94.6	85.0	42.3	13.2	0.0
12.5°	163.4	129.2	95.0	86.9	42.8	13.4	0.0
10°	164.8	130.9	95.3	88.6	43.2	13.5	0.0
7.5°	165.9	132.1	95.4	90.0	43.5	13.6	0.0
5°	166.5	133.1	95.5	91.2	43.7	13.6	0.0
2.5°	166.8	133.6	95.6	92.1	43.8	13.7	0.0
0°	166.6	133.8	95.6	92.8	43.7	13.7	0.0
-2.5°	166.8	133.6	95.6	92.1	43.8	13.7	0.0
-5°	166.5	133.1	95.5	91.2	43.7	13.6	0.0
-7.5°	165.9	132.1	95.4	90.0	43.5	13.6	0.0
-10°	164.8	130.9	95.3	88.6	43.2	13.5	0.0
-12.5°	163.4	129.2	95.0	86.9	42.8	13.4	0.0
-15°	161.4	127.2	94.6	85.0	42.3	13.2	0.0
-17.5°	159.1	124.8	94.2	83.0	41.7	13.1	0.0
-20°	158.9	122.1	93.6	80.7	40.9	12.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	162.3	119.1	92.8	78.3	40.0	12.7	0.0
-25°	164.9	118.8	91.9	75.7	39.0	12.4	0.0
-27.5°	166.7	119.1	90.9	73.0	37.9	12.2	0.0
-30°	167.7	118.8	89.9	70.2	36.6	11.9	0.0
-32.5°	167.8	117.7	90.8	67.2	35.3	11.6	0.0
-35°	166.5	115.9	91.4	64.1	33.8	11.2	0.0
-37.5°	163.9	114.5	91.5	61.0	32.2	10.9	0.0
-40°	160.2	114.5	91.2	57.7	30.6	10.5	0.0
-42.5°	155.4	113.9	89.1	54.6	28.8	10.1	0.0
-45°	149.6	112.6	85.2	51.6	26.9	9.7	0.0
-47.5°	142.7	110.5	80.8	48.4	24.9	9.3	0.0
-50°	138.4	107.9	76.0	45.3	22.8	8.8	0.0
-52.5°	133.8	104.5	70.8	42.2	20.7	8.3	0.0
-55°	128.3	97.8	65.3	38.9	18.4	7.9	0.0
-57.5°	121.8	90.0	59.4	35.4	16.1	7.4	0.0
-60°	114.1	81.6	53.1	31.8	13.7	6.8	0.0
-62.5°	102.9	72.8	47.7	28.0	12.6	6.3	0.0
-65°	91.0	63.6	42.1	24.0	11.6	5.8	0.0
-67.5°	78.5	54.8	36.2	19.9	10.5	5.2	0.0
-70°	65.6	46.7	30.1	15.6	9.4	4.7	0.0
-72.5°	54.5	38.2	23.8	13.4	8.2	4.1	0.0
-75°	43.4	29.6	17.4	11.5	7.1	3.5	0.0
-77.5°	32.0	20.7	14.0	9.7	5.9	3.0	0.0
-80°	20.4	15.2	11.3	7.8	4.8	2.4	0.0
-82.5°	14.7	11.5	8.5	5.9	3.6	1.8	0.0
-85°	9.9	7.7	5.7	3.9	2.4	1.2	0.0
-87.5°	4.9	3.8	2.8	2.0	1.2	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)