

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: P561402 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-AMB-U-WAF-BK**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561402 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-305-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA5B-AMB-U-WAF-BK  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7  
Light Source: (80) 1549K CCT, -21.5 CRI LEDS  
Ballast/Driver: -

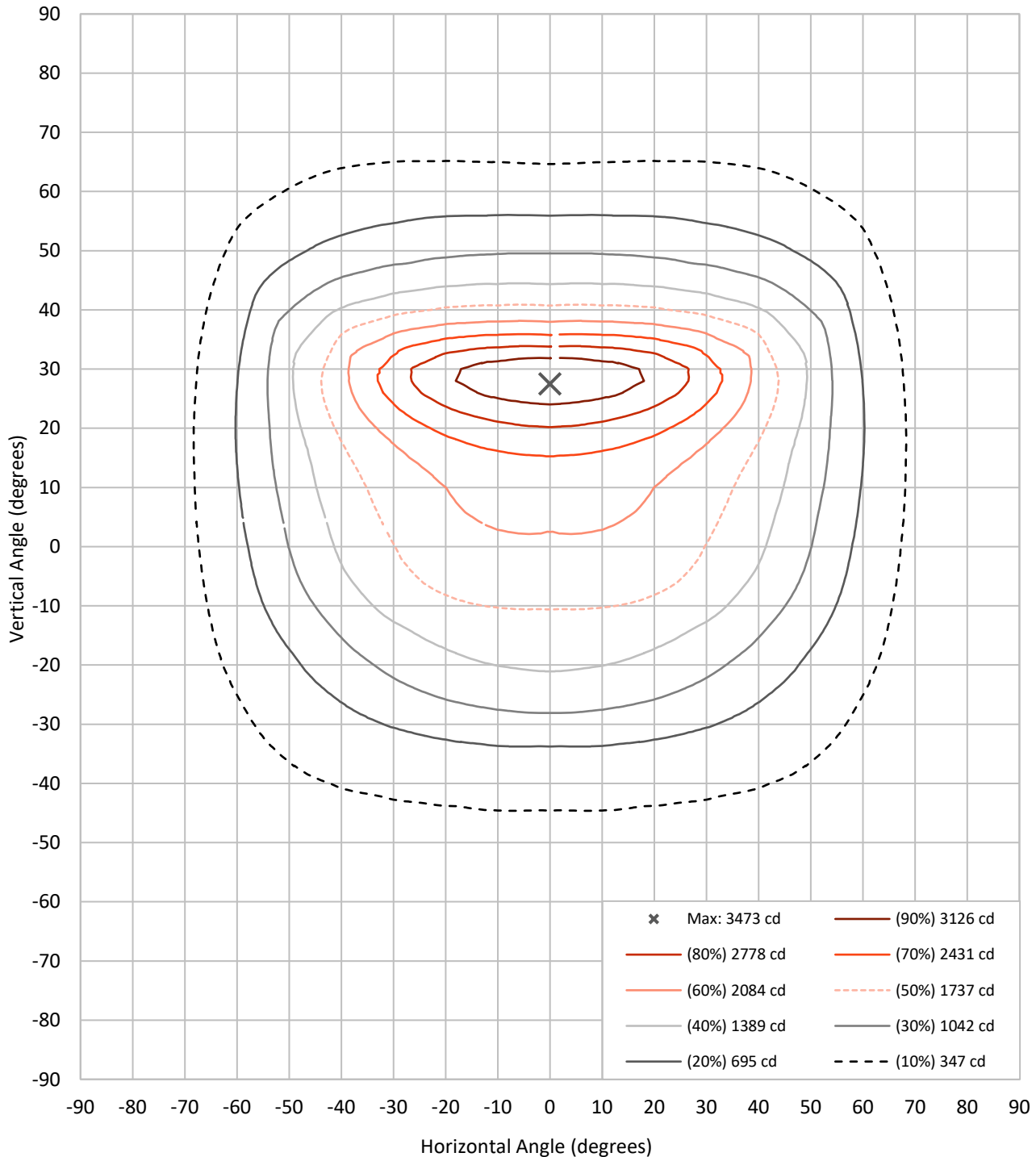
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	4837.9 lumens	Max Intensity:	3473 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	48.6 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	87.9°H x 51.3°V	Field Angle (10%):	135.6°H x 109.1°V
Beam Lumens:	2306.9 lumens	Field Lumens:	4453.6 lumens
Beam Efficiency:	47.7%	Field Efficiency:	92.1%
Input Watts (W):	99.6		
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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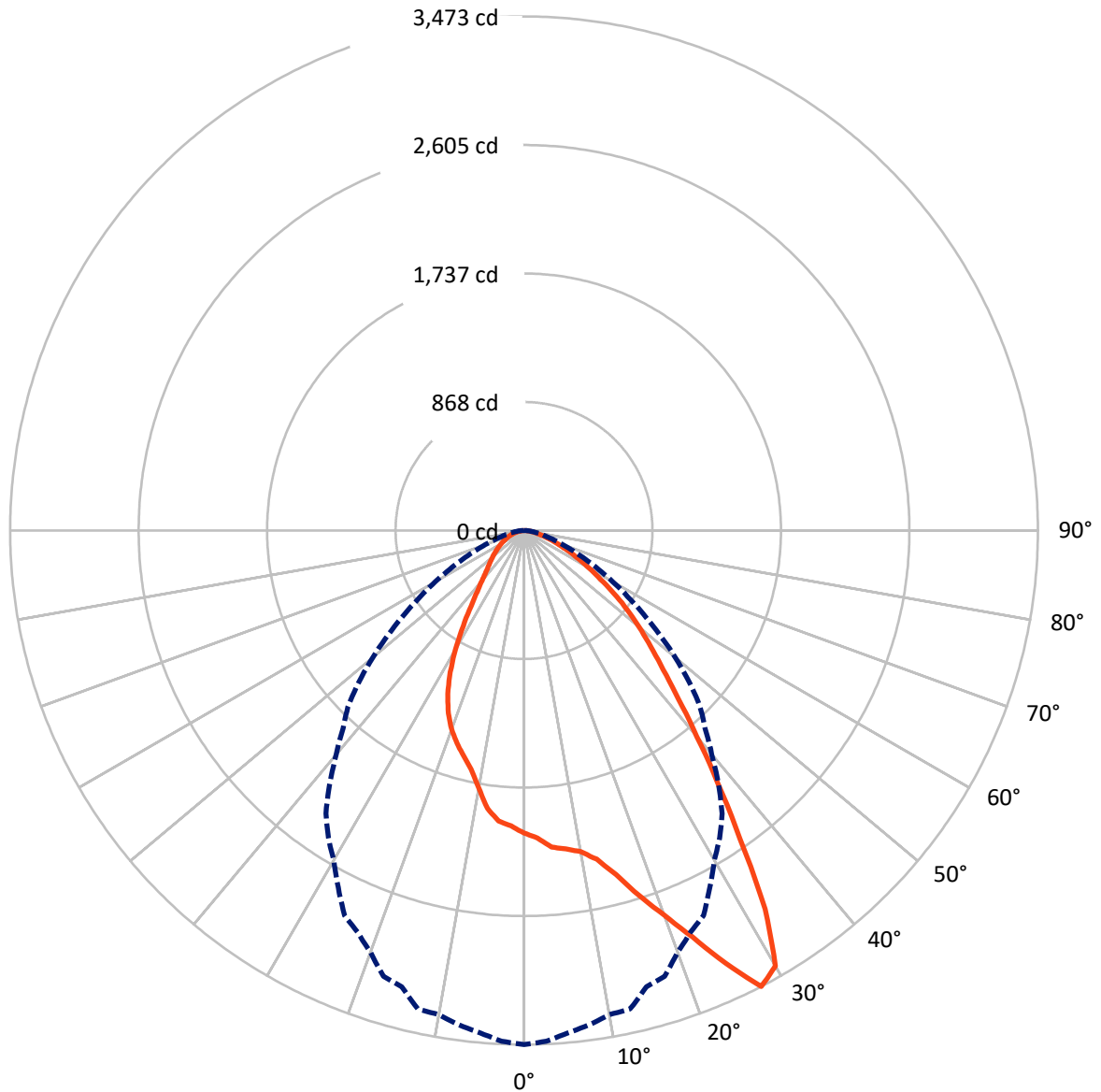
### Iso-Candela Plot





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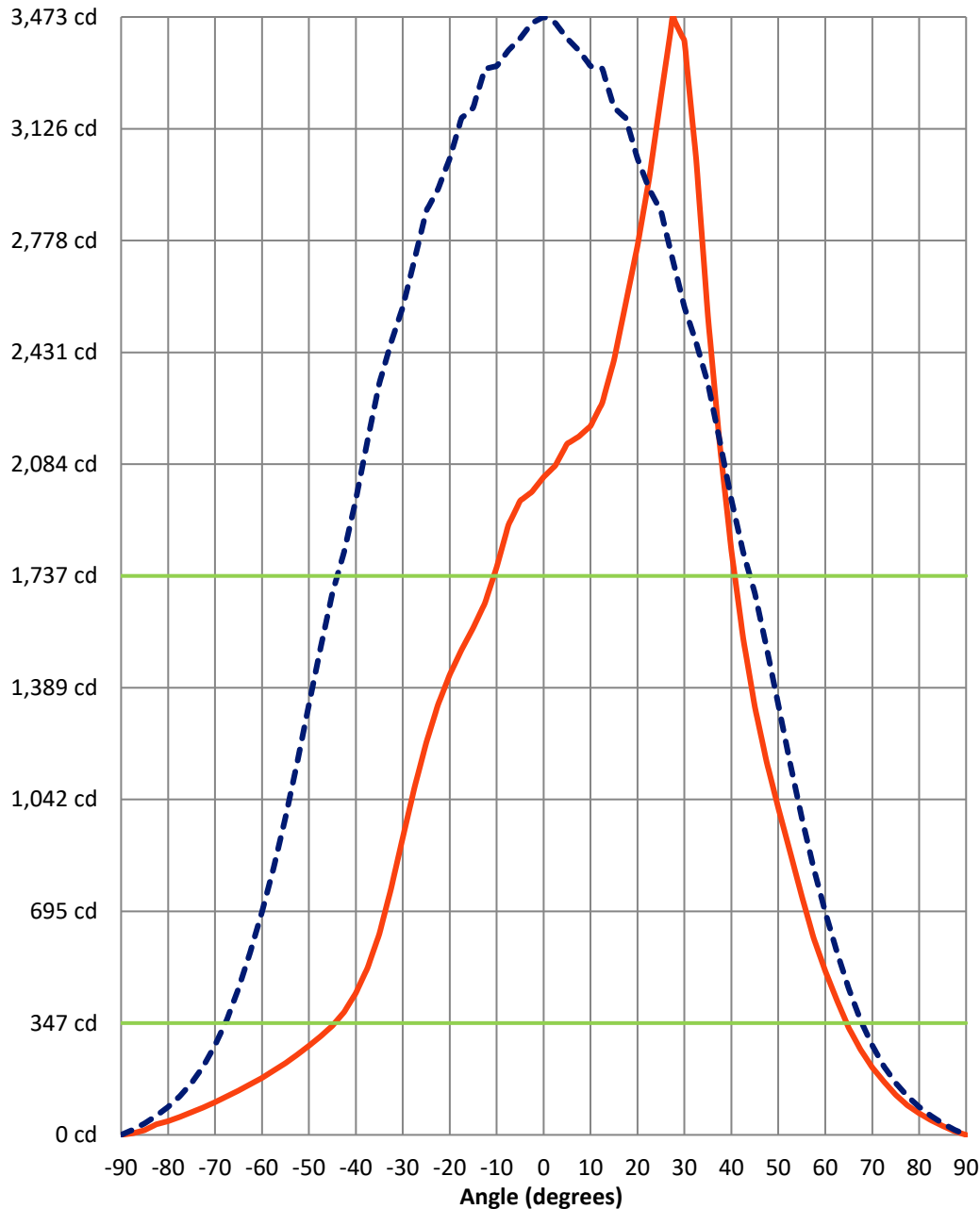
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg    - - - Horizontal Distribution Through 27.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 87.9°  
 V Angle: 51.3°  
 Lumens: 2306.9  
 Efficiency: 47.7%

**Field:**  
 H Angle: 135.6°  
 V Angle: 109.1°  
 Lumens: 4453.6  
 Efficiency: 92.1%

**Spill:**  
 Lumens: 384.3  
 Efficiency: 7.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 27.5-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	0.8	1.6	2.3	3.1	3.9	4.7	5.4	6.2	6.9	7.6
85°	0.0	1.6	3.1	4.7	6.2	7.8	9.3	10.8	12.3	13.8	15.2
82.5°	0.0	2.3	4.7	7.0	9.4	11.7	13.9	16.2	18.7	22.5	26.2
80°	0.0	3.1	6.2	9.4	12.4	15.5	18.9	23.9	29.0	34.1	39.2
77.5°	0.0	3.9	7.8	11.7	15.5	20.1	26.3	32.7	39.1	45.6	53.1
75°	0.0	4.7	9.3	13.9	18.8	26.0	33.7	41.4	49.4	59.4	69.8
72.5°	0.0	5.4	10.8	16.2	23.3	31.8	40.9	50.6	61.9	73.8	86.2
70°	0.0	6.2	12.3	18.6	27.7	37.5	48.2	61.0	74.2	88.0	103.9
67.5°	0.0	6.9	13.8	21.7	32.0	43.1	56.6	71.3	86.2	103.6	121.5
65°	0.0	7.6	15.2	24.8	36.2	49.0	64.7	81.2	99.4	118.7	140.0
62.5°	0.0	8.3	16.6	27.7	40.3	55.3	72.5	91.8	112.3	134.2	160.9
60°	0.0	9.0	18.0	30.6	44.2	61.3	80.1	102.5	124.7	152.1	181.1
57.5°	0.0	9.7	19.8	33.4	48.6	67.1	88.2	112.7	139.1	169.3	204.1
55°	0.0	10.3	21.5	36.1	52.9	72.6	96.0	122.1	153.5	186.6	227.6
52.5°	0.0	11.0	23.2	38.6	57.0	77.9	103.3	133.1	167.2	206.1	249.8
50°	0.0	11.6	24.8	41.1	60.8	83.6	110.3	143.6	181.2	224.4	275.6
47.5°	0.0	12.2	26.3	43.5	64.5	88.8	116.9	153.3	196.1	241.5	300.2
45°	0.0	12.7	27.8	46.1	67.9	93.7	124.5	162.2	208.9	261.6	322.9
42.5°	0.0	13.3	29.1	48.5	71.1	98.3	131.4	171.4	220.3	280.2	348.2
40°	0.0	13.8	30.4	50.7	74.2	102.4	137.7	180.4	231.7	296.9	371.6
37.5°	0.0	14.3	31.7	52.7	77.3	106.1	143.3	188.3	243.9	311.4	392.3
35°	0.0	14.7	32.8	54.6	80.1	110.1	148.2	195.3	254.6	326.2	411.9
32.5°	0.0	15.2	33.8	56.3	82.6	113.9	152.8	201.2	263.8	338.7	429.4
30°	0.0	15.6	34.8	57.9	84.8	117.2	157.5	206.6	271.5	348.8	443.6
27.5°	0.0	16.0	35.7	59.3	86.8	120.0	161.3	212.7	278.4	356.6	454.5
25°	0.0	16.3	36.4	60.5	88.6	122.3	164.3	217.6	284.5	364.0	462.2
22.5°	0.0	16.6	37.1	61.6	90.2	124.3	166.6	221.3	288.8	369.7	468.9
20°	0.0	16.9	37.7	62.5	91.5	126.3	168.2	223.8	291.3	373.0	472.5
17.5°	0.0	17.2	38.2	63.2	92.6	127.8	169.7	225.3	292.2	373.8	473.0
15°	0.0	17.4	38.6	63.8	93.4	128.9	171.0	226.1	291.4	372.3	470.6
12.5°	0.0	17.6	39.0	64.2	94.0	129.7	171.7	226.3	290.3	368.6	465.4
10°	0.0	17.7	39.2	64.4	94.3	130.0	171.8	225.4	288.8	365.9	458.5
7.5°	0.0	17.8	39.4	64.5	94.4	130.0	171.4	223.5	286.1	361.9	450.8
5°	0.0	17.9	39.4	64.5	94.3	129.6	170.4	220.8	282.4	356.2	440.6
2.5°	0.0	18.0	39.4	64.3	93.9	128.8	169.0	217.2	277.6	349.1	428.4
0°	0.0	18.0	39.3	63.9	93.3	127.7	167.0	212.9	271.8	340.6	414.3
-2.5°	0.0	18.0	39.2	63.6	92.6	126.3	164.8	209.5	266.3	332.2	403.3
-5°	0.0	17.9	39.0	63.2	91.7	124.5	162.2	205.5	259.9	322.7	390.9
-7.5°	0.0	17.8	38.7	62.6	90.6	122.5	159.1	200.9	252.8	312.2	377.2
-10°	0.0	17.7	38.4	61.9	89.3	120.2	155.7	195.9	245.0	300.8	362.4
-12.5°	0.0	17.6	38.0	61.1	87.8	117.6	151.8	190.3	236.6	289.0	347.6
-15°	0.0	17.4	37.5	60.2	86.1	114.8	147.7	184.4	228.2	278.0	332.5
-17.5°	0.0	17.2	36.9	59.1	84.2	111.8	143.2	178.5	220.0	266.4	316.7
-20°	0.0	16.9	36.2	57.9	82.2	108.6	138.6	172.5	211.3	254.4	300.5



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 CATALOG NUMBER: GFLD-SA5B-AMB-U-WAF-BK

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	16.6	35.5	56.6	80.0	105.2	134.0	166.2	202.3	242.2	283.9
-25°	0.0	16.3	34.7	55.2	77.7	101.9	129.2	159.6	193.0	229.7	267.2
-27.5°	0.0	16.0	33.9	53.6	75.2	98.5	124.2	152.6	183.5	217.4	251.9
-30°	0.0	15.6	33.0	52.0	72.6	94.8	119.0	145.3	174.4	205.7	236.8
-32.5°	0.0	15.2	32.0	50.3	70.0	91.0	113.6	138.5	165.5	193.9	221.9
-35°	0.0	14.7	31.0	48.4	67.2	87.0	108.5	131.7	156.4	182.2	207.3
-37.5°	0.0	14.3	29.9	46.5	64.3	83.0	103.4	124.9	147.1	170.5	194.5
-40°	0.0	13.8	28.8	44.5	61.4	79.2	98.2	117.9	137.6	159.4	181.9
-42.5°	0.0	13.3	27.6	42.5	58.4	75.3	92.8	110.8	129.0	149.0	169.4
-45°	0.0	12.7	26.3	40.3	55.5	71.3	87.2	104.0	120.9	138.6	157.1
-47.5°	0.0	12.2	25.0	38.1	52.6	67.3	81.5	97.4	112.7	128.2	145.6
-50°	0.0	11.6	23.7	36.0	49.5	63.1	76.4	90.6	104.8	119.4	134.2
-52.5°	0.0	11.0	22.3	33.9	46.3	58.8	71.4	83.7	97.2	110.4	123.1
-55°	0.0	10.3	20.9	31.8	43.1	54.8	66.4	76.9	89.6	101.4	113.2
-57.5°	0.0	9.7	19.5	29.6	39.7	50.6	61.2	71.1	81.9	92.9	103.2
-60°	0.0	9.0	18.0	27.4	36.3	46.4	56.1	65.4	74.5	84.5	93.5
-62.5°	0.0	8.3	16.6	25.2	33.4	42.1	51.0	59.6	68.0	76.1	84.6
-65°	0.0	7.6	15.2	22.8	30.3	37.8	45.9	53.7	61.4	68.6	75.6
-67.5°	0.0	6.9	13.8	20.5	27.3	33.7	40.6	47.8	54.7	61.2	67.3
-70°	0.0	6.2	12.3	18.1	24.2	29.9	35.4	41.9	48.2	53.8	59.3
-72.5°	0.0	5.4	10.8	15.9	21.0	26.0	30.7	36.0	41.6	46.7	51.3
-75°	0.0	4.7	9.3	13.7	17.8	22.1	26.2	30.5	35.0	39.6	43.7
-77.5°	0.0	3.9	7.8	11.4	14.9	18.2	21.6	25.3	29.0	32.6	36.2
-80°	0.0	3.1	6.2	9.2	11.9	14.5	17.0	20.0	22.9	25.8	28.7
-82.5°	0.0	2.3	4.7	6.9	8.9	10.9	12.7	14.8	16.8	19.0	21.2
-85°	0.0	1.6	3.1	4.6	6.0	7.3	8.5	9.9	11.2	12.5	13.8
-87.5°	0.0	0.8	1.6	2.3	3.0	3.6	4.2	4.9	5.6	6.3	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





REPORT NUMBER: P561402 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-AMB-U-WAF-BK

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.1	8.6	9.0	9.4	10.0	10.5	11.1	11.6	11.5	11.3	11.1
85°	16.3	17.2	19.1	21.0	23.0	24.8	26.4	27.9	27.9	27.4	26.7
82.5°	29.5	32.7	35.8	38.7	41.4	43.7	45.9	48.0	48.1	47.9	47.6
80°	43.8	48.1	53.3	57.9	61.8	65.0	67.8	70.1	71.2	72.3	73.4
77.5°	60.6	67.2	73.2	78.6	83.2	88.4	93.4	98.1	100.9	102.3	102.8
75°	78.8	86.4	94.4	101.9	108.9	115.6	122.1	129.2	133.7	136.5	138.6
72.5°	97.9	108.0	117.4	126.2	136.5	146.3	155.1	162.9	169.7	174.8	178.4
70°	118.2	129.7	142.9	155.7	167.4	179.2	191.7	202.7	211.5	217.4	222.8
67.5°	139.3	155.9	171.3	186.3	202.8	218.0	231.6	246.5	259.1	266.5	272.3
65°	164.3	182.6	203.0	222.9	240.4	260.3	278.5	294.5	310.9	322.0	330.1
62.5°	188.5	214.4	238.3	261.6	284.8	306.1	328.9	349.7	367.4	382.4	393.4
60°	216.6	248.0	277.3	305.9	331.6	358.4	383.9	409.4	430.9	447.1	463.4
57.5°	244.6	285.6	320.4	354.0	386.3	413.6	447.2	474.8	500.7	520.7	540.3
55°	273.7	326.9	367.8	409.0	445.6	479.9	515.1	550.0	577.1	603.5	626.6
52.5°	305.3	366.9	422.0	468.3	512.6	552.7	592.1	632.1	668.2	696.3	722.0
50°	335.0	409.7	478.5	534.0	585.6	633.8	677.2	725.0	769.4	803.3	828.3
47.5°	368.2	449.1	541.7	603.6	666.6	723.7	774.9	832.7	882.9	928.4	957.5
45°	400.4	489.8	591.2	682.7	753.5	820.6	887.0	950.2	1017.1	1068.5	1109.5
42.5°	429.5	528.3	641.5	763.3	847.6	926.5	1003.4	1085.5	1164.0	1230.7	1282.8
40°	460.4	563.1	687.3	829.2	945.0	1036.4	1126.2	1219.8	1331.5	1414.6	1478.3
37.5°	488.4	599.4	727.9	877.7	1047.3	1146.9	1245.8	1354.4	1484.3	1616.1	1699.7
35°	512.8	630.1	764.9	919.1	1094.9	1254.7	1360.1	1476.1	1618.5	1803.4	1926.0
32.5°	535.6	655.2	794.1	951.9	1128.0	1320.2	1463.1	1577.3	1722.7	1912.9	2144.2
30°	554.2	676.8	815.9	974.1	1148.4	1334.8	1525.1	1651.7	1790.6	1968.0	2176.7
27.5°	567.4	692.0	830.3	985.2	1155.6	1336.0	1513.5	1682.6	1811.2	1973.5	2157.6
25°	576.8	702.0	836.0	985.7	1148.2	1318.9	1488.7	1648.6	1789.1	1927.7	2085.7
22.5°	583.0	707.2	840.6	975.9	1129.8	1290.2	1449.6	1599.9	1735.5	1858.0	1989.8
20°	585.7	708.9	840.5	974.2	1105.5	1252.3	1403.7	1545.8	1676.1	1793.4	1895.6
17.5°	584.7	706.3	835.7	966.8	1095.9	1221.5	1350.5	1487.7	1614.4	1729.4	1830.6
15°	579.9	699.7	826.7	955.1	1081.7	1204.7	1322.6	1433.0	1549.1	1664.7	1767.4
12.5°	571.6	689.2	813.5	939.1	1063.3	1183.5	1299.2	1408.6	1510.4	1605.8	1702.7
10°	560.1	675.0	796.2	919.0	1040.7	1157.9	1272.1	1380.7	1481.7	1575.4	1662.6
7.5°	550.3	660.5	776.2	894.9	1013.9	1127.9	1241.1	1349.3	1449.0	1540.9	1628.1
5°	538.9	646.3	757.7	874.0	989.7	1099.3	1208.9	1314.1	1412.2	1502.1	1590.1
2.5°	525.2	629.1	735.7	850.5	965.8	1075.5	1184.6	1287.2	1381.9	1469.6	1555.0
0°	509.2	609.1	710.6	823.6	938.2	1047.9	1156.0	1255.9	1349.2	1437.7	1521.2
-2.5°	493.3	588.5	687.3	795.0	904.3	1011.6	1117.8	1218.5	1309.5	1399.2	1481.5
-5°	475.4	565.7	661.4	763.3	867.0	971.3	1075.4	1176.4	1262.8	1349.3	1427.9
-7.5°	456.0	540.9	632.8	728.4	824.8	922.0	1019.3	1113.3	1197.6	1280.8	1358.6
-10°	435.5	514.8	600.1	687.8	777.0	866.3	957.4	1046.5	1128.1	1207.6	1284.0
-12.5°	415.0	487.8	565.5	645.6	727.1	808.7	892.2	976.3	1054.6	1129.9	1205.2
-15°	393.8	459.9	529.9	602.3	675.6	749.6	824.0	903.1	979.6	1053.5	1125.5
-17.5°	372.1	431.4	493.7	558.3	623.0	689.6	755.5	834.5	906.9	975.6	1041.7
-20°	350.2	402.7	457.1	514.1	569.9	635.3	699.0	766.7	832.2	894.8	955.5



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 CATALOG NUMBER: GFLD-SA5B-AMB-U-WAF-BK

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	328.3	374.1	421.6	471.2	527.6	585.9	642.8	699.4	756.4	811.4	870.2
-25°	307.4	347.8	388.5	437.5	487.0	536.9	586.5	633.8	682.2	734.1	785.0
-27.5°	287.5	322.4	362.0	404.2	446.7	489.5	532.4	572.7	616.3	659.5	700.6
-30°	267.8	301.4	335.6	372.3	409.4	445.5	480.4	516.3	553.0	589.5	622.8
-32.5°	249.7	280.7	311.4	343.1	374.0	402.5	433.7	464.7	493.8	521.9	548.8
-35°	233.3	261.3	288.4	314.5	340.4	365.6	392.1	416.3	437.5	459.6	482.7
-37.5°	218.3	242.2	265.9	288.0	310.2	332.8	352.7	372.9	388.9	403.1	423.3
-40°	203.4	223.3	244.8	264.1	282.6	302.1	319.1	333.1	345.1	359.9	370.7
-42.5°	188.8	207.1	224.7	241.3	258.2	273.8	287.2	298.6	309.7	320.8	329.0
-45°	175.1	191.4	205.5	221.3	235.5	247.8	259.0	267.4	278.8	286.7	292.4
-47.5°	161.5	176.1	189.2	202.1	214.6	224.9	233.0	242.3	250.6	257.4	260.5
-50°	148.3	161.7	173.8	185.2	195.4	203.8	210.4	219.0	226.3	231.3	234.0
-52.5°	136.3	147.6	159.2	169.3	177.9	185.1	191.4	198.2	204.2	208.3	212.6
-55°	124.4	134.9	144.9	154.1	161.8	168.0	174.2	179.7	183.8	187.7	192.8
-57.5°	113.2	122.8	131.7	139.6	146.6	152.1	158.1	162.7	166.5	169.1	173.9
-60°	102.5	111.1	119.1	126.2	132.1	137.6	142.8	147.1	150.3	152.9	156.8
-62.5°	91.9	99.7	106.9	113.3	118.8	123.6	128.2	132.0	135.0	137.8	140.6
-65°	82.5	88.6	94.9	100.8	105.8	110.2	114.1	117.4	120.2	123.0	125.1
-67.5°	73.1	78.6	83.6	88.4	93.1	97.2	100.3	103.2	105.7	108.4	110.7
-70°	64.3	68.6	72.9	77.0	80.8	84.6	87.7	90.1	91.8	93.8	95.8
-72.5°	55.6	59.6	63.0	65.9	69.0	72.1	75.0	77.7	79.7	81.0	82.1
-75°	47.3	50.6	53.7	56.3	58.4	60.1	61.8	63.9	65.8	67.5	68.7
-77.5°	39.1	41.7	44.2	46.7	48.4	49.5	50.6	51.5	52.8	53.9	54.9
-80°	30.9	32.7	34.6	36.4	37.8	38.9	39.7	40.2	41.1	42.0	42.8
-82.5°	23.0	24.6	25.9	27.0	27.8	28.5	29.1	29.6	30.2	30.6	31.0
-85°	15.1	16.4	17.5	18.6	19.1	19.5	19.9	20.1	19.9	19.7	19.5
-87.5°	7.6	8.2	8.8	9.4	9.7	10.0	10.2	10.4	9.9	9.4	8.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561402 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-AMB-U-WAF-BK

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.7	10.7	10.7	10.6	10.4	10.2	10.0	9.8	9.5	9.6	9.7
85°	25.7	26.2	26.7	27.1	27.4	27.4	27.2	26.9	26.6	26.9	27.3
82.5°	47.2	47.8	48.2	48.1	47.7	47.4	47.0	46.3	45.6	45.7	45.8
80°	73.8	74.0	73.7	73.0	71.8	71.1	70.3	69.0	67.5	67.8	68.2
77.5°	103.3	104.0	104.1	103.4	101.9	100.9	99.6	97.7	95.4	95.4	95.4
75°	140.0	140.7	140.7	139.9	138.2	136.8	135.1	132.7	129.5	129.1	128.9
72.5°	180.8	181.7	181.8	181.6	180.5	179.1	177.2	174.2	170.2	168.9	168.1
70°	226.1	227.9	229.0	229.5	229.6	228.7	226.9	223.8	219.5	217.2	215.4
67.5°	277.7	281.3	284.4	285.7	286.0	285.3	284.4	282.2	278.9	276.4	274.2
65°	336.4	341.5	346.2	348.4	348.4	348.7	349.8	349.0	346.2	344.1	343.7
62.5°	401.5	409.4	417.3	421.9	422.9	422.6	426.7	428.0	426.4	424.6	425.0
60°	477.2	488.2	497.5	504.7	510.1	513.5	518.4	519.4	516.3	511.9	513.1
57.5°	559.0	572.1	582.3	595.7	606.6	614.8	619.7	621.5	620.3	617.1	619.7
55°	648.2	665.6	676.9	695.0	710.7	722.2	729.8	735.8	739.2	739.6	745.8
52.5°	746.6	770.5	785.5	802.4	822.3	836.4	845.6	857.5	865.3	868.5	876.1
50°	862.5	888.3	906.5	918.8	944.8	963.7	973.5	987.8	999.0	1002.8	1009.2
47.5°	991.2	1021.1	1046.0	1058.2	1086.0	1110.9	1122.4	1133.7	1148.1	1151.6	1155.3
45°	1135.5	1179.3	1209.3	1232.0	1253.1	1284.5	1300.5	1306.8	1325.7	1332.1	1333.2
42.5°	1316.6	1362.8	1405.4	1438.1	1454.4	1492.0	1518.5	1523.6	1545.9	1553.9	1546.8
40°	1532.6	1573.9	1639.6	1680.8	1708.6	1741.2	1781.7	1795.9	1809.9	1822.6	1816.4
37.5°	1765.6	1830.8	1908.4	1967.6	2008.6	2040.9	2090.7	2112.8	2118.0	2152.6	2153.0
35°	2004.4	2084.3	2202.9	2280.4	2332.6	2388.3	2445.3	2491.6	2522.8	2551.0	2556.1
32.5°	2208.4	2296.5	2432.1	2579.9	2644.0	2711.3	2827.4	2862.6	2923.8	2962.1	2980.3
30°	2362.8	2428.7	2554.8	2753.7	2841.8	2913.7	3050.3	3114.9	3178.5	3273.5	3282.5
27.5°	2334.3	2461.0	2571.8	2719.1	2869.7	2938.1	3033.4	3158.1	3191.8	3311.7	3320.5
25°	2242.2	2374.5	2477.1	2596.2	2712.0	2796.8	2881.5	2963.5	3022.3	3079.5	3128.6
22.5°	2124.7	2242.6	2341.9	2439.7	2533.6	2613.6	2684.6	2750.1	2805.5	2851.2	2894.4
20°	2003.7	2115.2	2211.2	2292.7	2368.9	2444.3	2508.1	2563.4	2611.3	2653.8	2685.3
17.5°	1916.2	1991.2	2087.4	2169.3	2235.3	2292.4	2353.8	2401.8	2443.8	2483.0	2509.1
15°	1853.9	1925.7	1986.1	2056.9	2126.9	2180.4	2219.4	2268.7	2305.0	2336.9	2361.2
12.5°	1793.0	1869.8	1935.7	1989.6	2034.1	2095.7	2139.9	2169.0	2206.9	2227.5	2251.0
10°	1742.1	1816.8	1888.8	1949.0	1999.0	2042.8	2083.2	2122.2	2149.3	2171.3	2185.6
7.5°	1707.4	1780.8	1848.8	1910.5	1964.9	2013.6	2055.7	2090.6	2120.8	2140.0	2153.6
5°	1669.1	1742.5	1809.7	1870.3	1923.1	1975.9	2024.0	2061.7	2087.1	2109.6	2127.4
2.5°	1630.7	1703.7	1767.9	1826.5	1876.2	1926.4	1970.7	2005.8	2036.9	2059.0	2076.5
0°	1593.2	1670.2	1729.1	1786.4	1835.5	1883.0	1924.0	1958.3	1987.8	2012.4	2027.1
-2.5°	1556.9	1630.4	1695.4	1754.0	1804.0	1850.7	1890.7	1926.6	1956.4	1979.7	1998.2
-5°	1502.5	1573.1	1639.2	1698.0	1753.0	1802.6	1846.7	1885.0	1910.5	1934.4	1952.7
-7.5°	1433.5	1505.1	1573.1	1634.6	1688.7	1728.8	1764.0	1800.8	1835.0	1854.1	1873.7
-10°	1358.1	1429.9	1491.5	1542.5	1586.0	1624.6	1660.5	1694.6	1718.5	1739.9	1749.4
-12.5°	1275.8	1341.5	1396.7	1439.8	1478.8	1524.6	1559.3	1582.6	1611.0	1625.4	1642.5
-15°	1189.7	1249.8	1299.3	1345.8	1394.0	1434.5	1463.4	1495.8	1518.7	1541.0	1554.4
-17.5°	1101.2	1155.8	1213.3	1264.8	1309.0	1347.2	1383.2	1412.6	1439.6	1461.1	1477.6
-20°	1013.8	1070.1	1125.2	1175.0	1219.8	1261.0	1296.6	1326.9	1356.3	1377.1	1394.3



REPORT NUMBER: P561402 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	926.3	979.3	1030.2	1077.8	1122.2	1163.1	1198.4	1228.9	1256.4	1280.3	1296.8
-25°	835.0	883.8	928.9	970.0	1009.6	1051.7	1084.5	1113.5	1139.3	1163.2	1181.0
-27.5°	743.0	784.5	822.7	857.8	890.7	924.9	956.8	982.6	1008.0	1025.5	1046.3
-30°	652.5	687.7	718.2	743.8	773.9	800.8	823.9	847.1	868.6	886.3	903.2
-32.5°	575.7	597.6	619.2	639.9	662.1	682.3	696.7	716.1	725.8	740.0	755.1
-35°	504.0	520.2	529.9	549.4	563.5	574.8	588.3	600.3	601.7	616.7	623.7
-37.5°	437.4	449.7	461.6	471.1	479.7	485.0	497.9	504.1	505.8	515.7	519.3
-40°	380.7	385.2	401.0	408.2	410.6	416.0	425.6	427.8	432.4	438.1	437.7
-42.5°	333.3	341.4	349.4	355.8	356.9	364.4	369.5	369.4	376.8	381.2	381.7
-45°	295.3	304.6	310.6	314.3	317.7	323.8	326.6	328.1	334.1	337.7	339.4
-47.5°	266.3	272.8	278.2	280.6	286.0	290.6	292.8	296.1	300.8	303.6	305.3
-50°	240.6	245.7	249.9	253.1	258.5	262.2	264.2	268.3	272.3	275.0	276.5
-52.5°	218.1	222.8	225.5	228.9	233.6	237.0	239.4	243.6	246.8	249.0	250.0
-55°	198.2	202.2	204.8	208.3	211.4	213.9	216.5	220.1	222.9	225.0	225.5
-57.5°	178.8	182.9	186.2	188.9	191.0	192.7	195.1	197.8	200.0	201.5	201.9
-60°	160.3	163.4	166.6	169.3	171.4	172.7	174.9	177.0	178.6	179.5	179.6
-62.5°	142.9	145.3	147.9	150.1	151.6	152.8	154.9	156.7	158.0	158.6	158.6
-65°	126.7	128.2	130.4	132.1	133.3	134.6	136.3	137.6	138.4	138.8	138.7
-67.5°	112.2	113.2	114.4	115.5	116.6	117.7	119.0	120.1	120.9	121.3	121.5
-70°	97.5	98.7	99.5	100.0	100.3	101.0	102.1	102.9	103.4	103.7	103.7
-72.5°	83.0	83.8	84.3	84.8	84.9	85.3	85.9	86.2	86.4	86.4	86.1
-75°	69.4	70.1	70.6	70.8	70.7	70.9	71.0	71.0	70.9	70.9	70.8
-77.5°	55.7	56.4	56.9	57.1	57.2	57.3	57.3	57.2	56.8	56.7	56.4
-80°	43.4	43.9	44.2	44.3	44.3	44.5	44.5	44.5	44.3	44.3	44.3
-82.5°	31.4	31.6	31.8	31.9	31.9	32.2	32.4	32.6	32.7	32.8	32.8
-85°	19.3	19.3	19.2	19.1	18.9	18.5	18.1	17.6	17.1	16.6	16.0
-87.5°	8.0	7.9	7.8	7.6	7.4	6.8	6.2	5.5	4.7	4.8	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561402 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-AMB-U-WAF-BK

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.7	9.8	10.6	11.5	10.6	9.8	9.7	9.7	9.6	9.5	9.8
85°	27.5	27.7	27.8	27.8	27.8	27.7	27.5	27.3	26.9	26.6	26.9
82.5°	45.8	45.6	45.7	45.8	45.7	45.6	45.8	45.8	45.7	45.6	46.3
80°	68.4	68.5	67.9	67.1	67.9	68.5	68.4	68.2	67.8	67.5	69.0
77.5°	95.1	94.6	93.3	91.7	93.3	94.6	95.1	95.4	95.4	95.4	97.7
75°	128.2	127.1	125.9	124.4	125.9	127.1	128.2	128.9	129.1	129.5	132.7
72.5°	166.7	164.7	165.1	165.4	165.1	164.7	166.7	168.1	168.9	170.2	174.2
70°	212.6	208.9	209.2	209.6	209.2	208.9	212.6	215.4	217.2	219.5	223.8
67.5°	270.7	266.0	265.7	265.3	265.7	266.0	270.7	274.2	276.4	278.9	282.2
65°	342.0	338.9	336.2	332.4	336.2	338.9	342.0	343.7	344.1	346.2	349.0
62.5°	423.1	419.1	418.4	417.5	418.4	419.1	423.1	425.0	424.6	426.4	428.0
60°	512.0	508.8	509.0	509.2	509.0	508.8	512.0	513.1	511.9	516.3	519.4
57.5°	618.5	613.7	612.9	612.4	612.9	613.7	618.5	619.7	617.1	620.3	621.5
55°	749.0	748.6	746.7	741.7	746.7	748.6	749.0	745.8	739.6	739.2	735.8
52.5°	882.1	883.9	883.2	879.3	883.2	883.9	882.1	876.1	868.5	865.3	857.5
50°	1015.2	1015.9	1016.0	1015.2	1016.0	1015.9	1015.2	1009.2	1002.8	999.0	987.8
47.5°	1163.7	1165.7	1164.1	1159.3	1164.1	1165.7	1163.7	1155.3	1151.6	1148.1	1133.7
45°	1342.4	1341.6	1336.2	1329.6	1336.2	1341.6	1342.4	1333.2	1332.1	1325.7	1306.8
42.5°	1558.2	1557.6	1551.1	1544.1	1551.1	1557.6	1558.2	1546.8	1553.9	1545.9	1523.6
40°	1833.2	1837.9	1830.2	1815.9	1830.2	1837.9	1833.2	1816.4	1822.6	1809.9	1795.9
37.5°	2165.2	2172.6	2163.0	2148.3	2163.0	2172.6	2165.2	2153.0	2152.6	2118.0	2112.8
35°	2567.1	2581.5	2570.3	2544.5	2570.3	2581.5	2567.1	2556.1	2551.0	2522.8	2491.6
32.5°	3009.4	3036.5	3036.2	3030.9	3036.2	3036.5	3009.4	2980.3	2962.1	2923.8	2862.6
30°	3333.2	3369.1	3395.7	3397.6	3395.7	3369.1	3333.2	3282.5	3273.5	3178.5	3114.9
27.5°	3369.1	3406.6	3454.1	3473.0	3454.1	3406.6	3369.1	3320.5	3311.7	3191.8	3158.1
25°	3164.9	3185.3	3210.1	3225.7	3210.1	3185.3	3164.9	3128.6	3079.5	3022.3	2963.5
22.5°	2920.4	2943.9	2957.1	2971.9	2957.1	2943.9	2920.4	2894.4	2851.2	2805.5	2750.1
20°	2714.8	2745.3	2752.0	2762.3	2752.0	2745.3	2714.8	2685.3	2653.8	2611.3	2563.4
17.5°	2537.2	2557.3	2564.6	2583.8	2564.6	2557.3	2537.2	2509.1	2483.0	2443.8	2401.8
15°	2382.6	2393.7	2399.3	2407.0	2399.3	2393.7	2382.6	2361.2	2336.9	2305.0	2268.7
12.5°	2262.9	2273.4	2272.8	2274.4	2272.8	2273.4	2262.9	2251.0	2227.5	2206.9	2169.0
10°	2193.5	2202.0	2205.1	2202.3	2205.1	2202.0	2193.5	2185.6	2171.3	2149.3	2122.2
7.5°	2164.1	2165.3	2169.5	2169.6	2169.5	2165.3	2164.1	2153.6	2140.0	2120.8	2090.6
5°	2136.2	2141.9	2137.0	2146.7	2137.0	2141.9	2136.2	2127.4	2109.6	2087.1	2061.7
2.5°	2085.5	2091.3	2088.3	2079.5	2088.3	2091.3	2085.5	2076.5	2059.0	2036.9	2005.8
0°	2035.3	2045.1	2051.7	2043.5	2051.7	2045.1	2035.3	2027.1	2012.4	1987.8	1958.3
-2.5°	2007.1	2014.2	2012.8	1997.6	2012.8	2014.2	2007.1	1998.2	1979.7	1956.4	1926.6
-5°	1965.8	1968.4	1967.4	1969.8	1967.4	1968.4	1965.8	1952.7	1934.4	1910.5	1885.0
-7.5°	1880.2	1883.7	1887.0	1894.5	1887.0	1883.7	1880.2	1873.7	1854.1	1835.0	1800.8
-10°	1757.4	1764.2	1760.0	1763.5	1760.0	1764.2	1757.4	1749.4	1739.9	1718.5	1694.6
-12.5°	1650.0	1654.6	1650.7	1652.2	1650.7	1654.6	1650.0	1642.5	1625.4	1611.0	1582.6
-15°	1566.4	1571.5	1572.4	1575.2	1572.4	1571.5	1566.4	1554.4	1541.0	1518.7	1495.8
-17.5°	1487.8	1497.2	1503.9	1506.4	1503.9	1497.2	1487.8	1477.6	1461.1	1439.6	1412.6
-20°	1406.7	1418.2	1427.8	1429.5	1427.8	1418.2	1406.7	1394.3	1377.1	1356.3	1326.9



REPORT NUMBER: P561402 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-AMB-U-WAF-BK

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1311.2	1322.7	1333.3	1336.1	1333.3	1322.7	1311.2	1296.8	1280.3	1256.4	1228.9
-25°	1195.1	1209.1	1218.1	1218.2	1218.1	1209.1	1195.1	1181.0	1163.2	1139.3	1113.5
-27.5°	1058.9	1072.6	1078.5	1079.1	1078.5	1072.6	1058.9	1046.3	1025.5	1008.0	982.6
-30°	913.0	923.7	924.1	923.5	924.1	923.7	913.0	903.2	886.3	868.6	847.1
-32.5°	763.2	769.1	765.7	764.7	765.7	769.1	763.2	755.1	740.0	725.8	716.1
-35°	626.1	625.7	620.6	623.9	620.6	625.7	626.1	623.7	616.7	601.7	600.3
-37.5°	522.5	521.2	516.9	519.1	516.9	521.2	522.5	519.3	515.7	505.8	504.1
-40°	440.9	441.3	440.2	440.5	440.2	441.3	440.9	437.7	438.1	432.4	427.8
-42.5°	383.4	382.8	381.7	381.5	381.7	382.8	383.4	381.7	381.2	376.8	369.4
-45°	340.3	339.1	338.2	338.9	338.2	339.1	340.3	339.4	337.7	334.1	328.1
-47.5°	306.6	306.8	306.7	306.2	306.7	306.8	306.6	305.3	303.6	300.8	296.1
-50°	276.9	276.3	276.2	276.7	276.2	276.3	276.9	276.5	275.0	272.3	268.3
-52.5°	250.3	249.8	249.5	248.9	249.5	249.8	250.3	250.0	249.0	246.8	243.6
-55°	225.2	224.0	223.3	222.7	223.3	224.0	225.2	225.5	225.0	222.9	220.1
-57.5°	201.7	200.9	200.4	199.8	200.4	200.9	201.7	201.9	201.5	200.0	197.8
-60°	179.1	178.1	177.5	176.8	177.5	178.1	179.1	179.6	179.5	178.6	177.0
-62.5°	158.0	156.8	157.0	157.2	157.0	156.8	158.0	158.6	158.6	158.0	156.7
-65°	138.1	137.2	137.3	137.5	137.3	137.2	138.1	138.7	138.8	138.4	137.6
-67.5°	121.3	120.8	120.3	119.5	120.3	120.8	121.3	121.5	121.3	120.9	120.1
-70°	103.4	102.8	102.3	101.5	102.3	102.8	103.4	103.7	103.7	103.4	102.9
-72.5°	85.6	84.8	85.0	85.1	85.0	84.8	85.6	86.1	86.4	86.4	86.2
-75°	70.5	70.1	70.3	70.4	70.3	70.1	70.5	70.8	70.9	70.9	71.0
-77.5°	56.0	55.5	55.6	55.7	55.6	55.5	56.0	56.4	56.7	56.8	57.2
-80°	44.2	44.0	43.4	42.6	43.4	44.0	44.2	44.3	44.3	44.3	44.5
-82.5°	32.7	32.5	32.6	32.7	32.6	32.5	32.7	32.8	32.8	32.7	32.6
-85°	15.4	14.6	14.7	14.7	14.7	14.6	15.4	16.0	16.6	17.1	17.6
-87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	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: P561402 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-AMB-U-WAF-BK

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.0	10.2	10.4	10.6	10.7	10.7	10.7	11.1	11.3	11.5	11.6
85°	27.2	27.4	27.4	27.1	26.7	26.2	25.7	26.7	27.4	27.9	27.9
82.5°	47.0	47.4	47.7	48.1	48.2	47.8	47.2	47.6	47.9	48.1	48.0
80°	70.3	71.1	71.8	73.0	73.7	74.0	73.8	73.4	72.3	71.2	70.1
77.5°	99.6	100.9	101.9	103.4	104.1	104.0	103.3	102.8	102.3	100.9	98.1
75°	135.1	136.8	138.2	139.9	140.7	140.7	140.0	138.6	136.5	133.7	129.2
72.5°	177.2	179.1	180.5	181.6	181.8	181.7	180.8	178.4	174.8	169.7	162.9
70°	226.9	228.7	229.6	229.5	229.0	227.9	226.1	222.8	217.4	211.5	202.7
67.5°	284.4	285.3	286.0	285.7	284.4	281.3	277.7	272.3	266.5	259.1	246.5
65°	349.8	348.7	348.4	348.4	346.2	341.5	336.4	330.1	322.0	310.9	294.5
62.5°	426.7	422.6	422.9	421.9	417.3	409.4	401.5	393.4	382.4	367.4	349.7
60°	518.4	513.5	510.1	504.7	497.5	488.2	477.2	463.4	447.1	430.9	409.4
57.5°	619.7	614.8	606.6	595.7	582.3	572.1	559.0	540.3	520.7	500.7	474.8
55°	729.8	722.2	710.7	695.0	676.9	665.6	648.2	626.6	603.5	577.1	550.0
52.5°	845.6	836.4	822.3	802.4	785.5	770.5	746.6	722.0	696.3	668.2	632.1
50°	973.5	963.7	944.8	918.8	906.5	888.3	862.5	828.3	803.3	769.4	725.0
47.5°	1122.4	1110.9	1086.0	1058.2	1046.0	1021.1	991.2	957.5	928.4	882.9	832.7
45°	1300.5	1284.5	1253.1	1232.0	1209.3	1179.3	1135.5	1109.5	1068.5	1017.1	950.2
42.5°	1518.5	1492.0	1454.4	1438.1	1405.4	1362.8	1316.6	1282.8	1230.7	1164.0	1085.5
40°	1781.7	1741.2	1708.6	1680.8	1639.6	1573.9	1532.6	1478.3	1414.6	1331.5	1219.8
37.5°	2090.7	2040.9	2008.6	1967.6	1908.4	1830.8	1765.6	1699.7	1616.1	1484.3	1354.4
35°	2445.3	2388.3	2332.6	2280.4	2202.9	2084.3	2004.4	1926.0	1803.4	1618.5	1476.1
32.5°	2827.4	2711.3	2644.0	2579.9	2432.1	2296.5	2208.4	2144.2	1912.9	1722.7	1577.3
30°	3050.3	2913.7	2841.8	2753.7	2554.8	2428.7	2362.8	2176.7	1968.0	1790.6	1651.7
27.5°	3033.4	2938.1	2869.7	2719.1	2571.8	2461.0	2334.3	2157.6	1973.5	1811.2	1682.6
25°	2881.5	2796.8	2712.0	2596.2	2477.1	2374.5	2242.2	2085.7	1927.7	1789.1	1648.6
22.5°	2684.6	2613.6	2533.6	2439.7	2341.9	2242.6	2124.7	1989.8	1858.0	1735.5	1599.9
20°	2508.1	2444.3	2368.9	2292.7	2211.2	2115.2	2003.7	1895.6	1793.4	1676.1	1545.8
17.5°	2353.8	2292.4	2235.3	2169.3	2087.4	1991.2	1916.2	1830.6	1729.4	1614.4	1487.7
15°	2219.4	2180.4	2126.9	2056.9	1986.1	1925.7	1853.9	1767.4	1664.7	1549.1	1433.0
12.5°	2139.9	2095.7	2034.1	1989.6	1935.7	1869.8	1793.0	1702.7	1605.8	1510.4	1408.6
10°	2083.2	2042.8	1999.0	1949.0	1888.8	1816.8	1742.1	1662.6	1575.4	1481.7	1380.7
7.5°	2055.7	2013.6	1964.9	1910.5	1848.8	1780.8	1707.4	1628.1	1540.9	1449.0	1349.3
5°	2024.0	1975.9	1923.1	1870.3	1809.7	1742.5	1669.1	1590.1	1502.1	1412.2	1314.1
2.5°	1970.7	1926.4	1876.2	1826.5	1767.9	1703.7	1630.7	1555.0	1469.6	1381.9	1287.2
0°	1924.0	1883.0	1835.5	1786.4	1729.1	1670.2	1593.2	1521.2	1437.7	1349.2	1255.9
-2.5°	1890.7	1850.7	1804.0	1754.0	1695.4	1630.4	1556.9	1481.5	1399.2	1309.5	1218.5
-5°	1846.7	1802.6	1753.0	1698.0	1639.2	1573.1	1502.5	1427.9	1349.3	1262.8	1176.4
-7.5°	1764.0	1728.8	1688.7	1634.6	1573.1	1505.1	1433.5	1358.6	1280.8	1197.6	1113.3
-10°	1660.5	1624.6	1586.0	1542.5	1491.5	1429.9	1358.1	1284.0	1207.6	1128.1	1046.5
-12.5°	1559.3	1524.6	1478.8	1439.8	1396.7	1341.5	1275.8	1205.2	1129.9	1054.6	976.3
-15°	1463.4	1434.5	1394.0	1345.8	1299.3	1249.8	1189.7	1125.5	1053.5	979.6	903.1
-17.5°	1383.2	1347.2	1309.0	1264.8	1213.3	1155.8	1101.2	1041.7	975.6	906.9	834.5
-20°	1296.6	1261.0	1219.8	1175.0	1125.2	1070.1	1013.8	955.5	894.8	832.2	766.7



REPORT NUMBER: P561402 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-AMB-U-WAF-BK

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1198.4	1163.1	1122.2	1077.8	1030.2	979.3	926.3	870.2	811.4	756.4	699.4
-25°	1084.5	1051.7	1009.6	970.0	928.9	883.8	835.0	785.0	734.1	682.2	633.8
-27.5°	956.8	924.9	890.7	857.8	822.7	784.5	743.0	700.6	659.5	616.3	572.7
-30°	823.9	800.8	773.9	743.8	718.2	687.7	652.5	622.8	589.5	553.0	516.3
-32.5°	696.7	682.3	662.1	639.9	619.2	597.6	575.7	548.8	521.9	493.8	464.7
-35°	588.3	574.8	563.5	549.4	529.9	520.2	504.0	482.7	459.6	437.5	416.3
-37.5°	497.9	485.0	479.7	471.1	461.6	449.7	437.4	423.3	403.1	388.9	372.9
-40°	425.6	416.0	410.6	408.2	401.0	385.2	380.7	370.7	359.9	345.1	333.1
-42.5°	369.5	364.4	356.9	355.8	349.4	341.4	333.3	329.0	320.8	309.7	298.6
-45°	326.6	323.8	317.7	314.3	310.6	304.6	295.3	292.4	286.7	278.8	267.4
-47.5°	292.8	290.6	286.0	280.6	278.2	272.8	266.3	260.5	257.4	250.6	242.3
-50°	264.2	262.2	258.5	253.1	249.9	245.7	240.6	234.0	231.3	226.3	219.0
-52.5°	239.4	237.0	233.6	228.9	225.5	222.8	218.1	212.6	208.3	204.2	198.2
-55°	216.5	213.9	211.4	208.3	204.8	202.2	198.2	192.8	187.7	183.8	179.7
-57.5°	195.1	192.7	191.0	188.9	186.2	182.9	178.8	173.9	169.1	166.5	162.7
-60°	174.9	172.7	171.4	169.3	166.6	163.4	160.3	156.8	152.9	150.3	147.1
-62.5°	154.9	152.8	151.6	150.1	147.9	145.3	142.9	140.6	137.8	135.0	132.0
-65°	136.3	134.6	133.3	132.1	130.4	128.2	126.7	125.1	123.0	120.2	117.4
-67.5°	119.0	117.7	116.6	115.5	114.4	113.2	112.2	110.7	108.4	105.7	103.2
-70°	102.1	101.0	100.3	100.0	99.5	98.7	97.5	95.8	93.8	91.8	90.1
-72.5°	85.9	85.3	84.9	84.8	84.3	83.8	83.0	82.1	81.0	79.7	77.7
-75°	71.0	70.9	70.7	70.8	70.6	70.1	69.4	68.7	67.5	65.8	63.9
-77.5°	57.3	57.3	57.2	57.1	56.9	56.4	55.7	54.9	53.9	52.8	51.5
-80°	44.5	44.5	44.3	44.3	44.2	43.9	43.4	42.8	42.0	41.1	40.2
-82.5°	32.4	32.2	31.9	31.9	31.8	31.6	31.4	31.0	30.6	30.2	29.6
-85°	18.1	18.5	18.9	19.1	19.2	19.3	19.3	19.5	19.7	19.9	20.1
-87.5°	6.2	6.8	7.4	7.6	7.8	7.9	8.0	8.8	9.4	9.9	10.4
-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: P561402 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-AMB-U-WAF-BK

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.1	10.5	10.0	9.4	9.0	8.6	8.1	7.6	6.9	6.2	5.4
85°	26.4	24.8	23.0	21.0	19.1	17.2	16.3	15.2	13.8	12.3	10.8
82.5°	45.9	43.7	41.4	38.7	35.8	32.7	29.5	26.2	22.5	18.7	16.2
80°	67.8	65.0	61.8	57.9	53.3	48.1	43.8	39.2	34.1	29.0	23.9
77.5°	93.4	88.4	83.2	78.6	73.2	67.2	60.6	53.1	45.6	39.1	32.7
75°	122.1	115.6	108.9	101.9	94.4	86.4	78.8	69.8	59.4	49.4	41.4
72.5°	155.1	146.3	136.5	126.2	117.4	108.0	97.9	86.2	73.8	61.9	50.6
70°	191.7	179.2	167.4	155.7	142.9	129.7	118.2	103.9	88.0	74.2	61.0
67.5°	231.6	218.0	202.8	186.3	171.3	155.9	139.3	121.5	103.6	86.2	71.3
65°	278.5	260.3	240.4	222.9	203.0	182.6	164.3	140.0	118.7	99.4	81.2
62.5°	328.9	306.1	284.8	261.6	238.3	214.4	188.5	160.9	134.2	112.3	91.8
60°	383.9	358.4	331.6	305.9	277.3	248.0	216.6	181.1	152.1	124.7	102.5
57.5°	447.2	413.6	386.3	354.0	320.4	285.6	244.6	204.1	169.3	139.1	112.7
55°	515.1	479.9	445.6	409.0	367.8	326.9	273.7	227.6	186.6	153.5	122.1
52.5°	592.1	552.7	512.6	468.3	422.0	366.9	305.3	249.8	206.1	167.2	133.1
50°	677.2	633.8	585.6	534.0	478.5	409.7	335.0	275.6	224.4	181.2	143.6
47.5°	774.9	723.7	666.6	603.6	541.7	449.1	368.2	300.2	241.5	196.1	153.3
45°	887.0	820.6	753.5	682.7	591.2	489.8	400.4	322.9	261.6	208.9	162.2
42.5°	1003.4	926.5	847.6	763.3	641.5	528.3	429.5	348.2	280.2	220.3	171.4
40°	1126.2	1036.4	945.0	829.2	687.3	563.1	460.4	371.6	296.9	231.7	180.4
37.5°	1245.8	1146.9	1047.3	877.7	727.9	599.4	488.4	392.3	311.4	243.9	188.3
35°	1360.1	1254.7	1094.9	919.1	764.9	630.1	512.8	411.9	326.2	254.6	195.3
32.5°	1463.1	1320.2	1128.0	951.9	794.1	655.2	535.6	429.4	338.7	263.8	201.2
30°	1525.1	1334.8	1148.4	974.1	815.9	676.8	554.2	443.6	348.8	271.5	206.6
27.5°	1513.5	1336.0	1155.6	985.2	830.3	692.0	567.4	454.5	356.6	278.4	212.7
25°	1488.7	1318.9	1148.2	985.7	836.0	702.0	576.8	462.2	364.0	284.5	217.6
22.5°	1449.6	1290.2	1129.8	975.9	840.6	707.2	583.0	468.9	369.7	288.8	221.3
20°	1403.7	1252.3	1105.5	974.2	840.5	708.9	585.7	472.5	373.0	291.3	223.8
17.5°	1350.5	1221.5	1095.9	966.8	835.7	706.3	584.7	473.0	373.8	292.2	225.3
15°	1322.6	1204.7	1081.7	955.1	826.7	699.7	579.9	470.6	372.3	291.4	226.1
12.5°	1299.2	1183.5	1063.3	939.1	813.5	689.2	571.6	465.4	368.6	290.3	226.3
10°	1272.1	1157.9	1040.7	919.0	796.2	675.0	560.1	458.5	365.9	288.8	225.4
7.5°	1241.1	1127.9	1013.9	894.9	776.2	660.5	550.3	450.8	361.9	286.1	223.5
5°	1208.9	1099.3	989.7	874.0	757.7	646.3	538.9	440.6	356.2	282.4	220.8
2.5°	1184.6	1075.5	965.8	850.5	735.7	629.1	525.2	428.4	349.1	277.6	217.2
0°	1156.0	1047.9	938.2	823.6	710.6	609.1	509.2	414.3	340.6	271.8	212.9
-2.5°	1117.8	1011.6	904.3	795.0	687.3	588.5	493.3	403.3	332.2	266.3	209.5
-5°	1075.4	971.3	867.0	763.3	661.4	565.7	475.4	390.9	322.7	259.9	205.5
-7.5°	1019.3	922.0	824.8	728.4	632.8	540.9	456.0	377.2	312.2	252.8	200.9
-10°	957.4	866.3	777.0	687.8	600.1	514.8	435.5	362.4	300.8	245.0	195.9
-12.5°	892.2	808.7	727.1	645.6	565.5	487.8	415.0	347.6	289.0	236.6	190.3
-15°	824.0	749.6	675.6	602.3	529.9	459.9	393.8	332.5	278.0	228.2	184.4
-17.5°	755.5	689.6	623.0	558.3	493.7	431.4	372.1	316.7	266.4	220.0	178.5
-20°	699.0	635.3	569.9	514.1	457.1	402.7	350.2	300.5	254.4	211.3	172.5



REPORT NUMBER: P561402 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-AMB-U-WAF-BK

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	642.8	585.9	527.6	471.2	421.6	374.1	328.3	283.9	242.2	202.3	166.2
-25°	586.5	536.9	487.0	437.5	388.5	347.8	307.4	267.2	229.7	193.0	159.6
-27.5°	532.4	489.5	446.7	404.2	362.0	322.4	287.5	251.9	217.4	183.5	152.6
-30°	480.4	445.5	409.4	372.3	335.6	301.4	267.8	236.8	205.7	174.4	145.3
-32.5°	433.7	402.5	374.0	343.1	311.4	280.7	249.7	221.9	193.9	165.5	138.5
-35°	392.1	365.6	340.4	314.5	288.4	261.3	233.3	207.3	182.2	156.4	131.7
-37.5°	352.7	332.8	310.2	288.0	265.9	242.2	218.3	194.5	170.5	147.1	124.9
-40°	319.1	302.1	282.6	264.1	244.8	223.3	203.4	181.9	159.4	137.6	117.9
-42.5°	287.2	273.8	258.2	241.3	224.7	207.1	188.8	169.4	149.0	129.0	110.8
-45°	259.0	247.8	235.5	221.3	205.5	191.4	175.1	157.1	138.6	120.9	104.0
-47.5°	233.0	224.9	214.6	202.1	189.2	176.1	161.5	145.6	128.2	112.7	97.4
-50°	210.4	203.8	195.4	185.2	173.8	161.7	148.3	134.2	119.4	104.8	90.6
-52.5°	191.4	185.1	177.9	169.3	159.2	147.6	136.3	123.1	110.4	97.2	83.7
-55°	174.2	168.0	161.8	154.1	144.9	134.9	124.4	113.2	101.4	89.6	76.9
-57.5°	158.1	152.1	146.6	139.6	131.7	122.8	113.2	103.2	92.9	81.9	71.1
-60°	142.8	137.6	132.1	126.2	119.1	111.1	102.5	93.5	84.5	74.5	65.4
-62.5°	128.2	123.6	118.8	113.3	106.9	99.7	91.9	84.6	76.1	68.0	59.6
-65°	114.1	110.2	105.8	100.8	94.9	88.6	82.5	75.6	68.6	61.4	53.7
-67.5°	100.3	97.2	93.1	88.4	83.6	78.6	73.1	67.3	61.2	54.7	47.8
-70°	87.7	84.6	80.8	77.0	72.9	68.6	64.3	59.3	53.8	48.2	41.9
-72.5°	75.0	72.1	69.0	65.9	63.0	59.6	55.6	51.3	46.7	41.6	36.0
-75°	61.8	60.1	58.4	56.3	53.7	50.6	47.3	43.7	39.6	35.0	30.5
-77.5°	50.6	49.5	48.4	46.7	44.2	41.7	39.1	36.2	32.6	29.0	25.3
-80°	39.7	38.9	37.8	36.4	34.6	32.7	30.9	28.7	25.8	22.9	20.0
-82.5°	29.1	28.5	27.8	27.0	25.9	24.6	23.0	21.2	19.0	16.8	14.8
-85°	19.9	19.5	19.1	18.6	17.5	16.4	15.1	13.8	12.5	11.2	9.9
-87.5°	10.2	10.0	9.7	9.4	8.8	8.2	7.6	6.9	6.3	5.6	4.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	3.9	3.1	2.3	1.6	0.8	0.0
85°	9.3	7.8	6.2	4.7	3.1	1.6	0.0
82.5°	13.9	11.7	9.4	7.0	4.7	2.3	0.0
80°	18.9	15.5	12.4	9.4	6.2	3.1	0.0
77.5°	26.3	20.1	15.5	11.7	7.8	3.9	0.0
75°	33.7	26.0	18.8	13.9	9.3	4.7	0.0
72.5°	40.9	31.8	23.3	16.2	10.8	5.4	0.0
70°	48.2	37.5	27.7	18.6	12.3	6.2	0.0
67.5°	56.6	43.1	32.0	21.7	13.8	6.9	0.0
65°	64.7	49.0	36.2	24.8	15.2	7.6	0.0
62.5°	72.5	55.3	40.3	27.7	16.6	8.3	0.0
60°	80.1	61.3	44.2	30.6	18.0	9.0	0.0
57.5°	88.2	67.1	48.6	33.4	19.8	9.7	0.0
55°	96.0	72.6	52.9	36.1	21.5	10.3	0.0
52.5°	103.3	77.9	57.0	38.6	23.2	11.0	0.0
50°	110.3	83.6	60.8	41.1	24.8	11.6	0.0
47.5°	116.9	88.8	64.5	43.5	26.3	12.2	0.0
45°	124.5	93.7	67.9	46.1	27.8	12.7	0.0
42.5°	131.4	98.3	71.1	48.5	29.1	13.3	0.0
40°	137.7	102.4	74.2	50.7	30.4	13.8	0.0
37.5°	143.3	106.1	77.3	52.7	31.7	14.3	0.0
35°	148.2	110.1	80.1	54.6	32.8	14.7	0.0
32.5°	152.8	113.9	82.6	56.3	33.8	15.2	0.0
30°	157.5	117.2	84.8	57.9	34.8	15.6	0.0
27.5°	161.3	120.0	86.8	59.3	35.7	16.0	0.0
25°	164.3	122.3	88.6	60.5	36.4	16.3	0.0
22.5°	166.6	124.3	90.2	61.6	37.1	16.6	0.0
20°	168.2	126.3	91.5	62.5	37.7	16.9	0.0
17.5°	169.7	127.8	92.6	63.2	38.2	17.2	0.0
15°	171.0	128.9	93.4	63.8	38.6	17.4	0.0
12.5°	171.7	129.7	94.0	64.2	39.0	17.6	0.0
10°	171.8	130.0	94.3	64.4	39.2	17.7	0.0
7.5°	171.4	130.0	94.4	64.5	39.4	17.8	0.0
5°	170.4	129.6	94.3	64.5	39.4	17.9	0.0
2.5°	169.0	128.8	93.9	64.3	39.4	18.0	0.0
0°	167.0	127.7	93.3	63.9	39.3	18.0	0.0
-2.5°	164.8	126.3	92.6	63.6	39.2	18.0	0.0
-5°	162.2	124.5	91.7	63.2	39.0	17.9	0.0
-7.5°	159.1	122.5	90.6	62.6	38.7	17.8	0.0
-10°	155.7	120.2	89.3	61.9	38.4	17.7	0.0
-12.5°	151.8	117.6	87.8	61.1	38.0	17.6	0.0
-15°	147.7	114.8	86.1	60.2	37.5	17.4	0.0
-17.5°	143.2	111.8	84.2	59.1	36.9	17.2	0.0
-20°	138.6	108.6	82.2	57.9	36.2	16.9	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	134.0	105.2	80.0	56.6	35.5	16.6	0.0
-25°	129.2	101.9	77.7	55.2	34.7	16.3	0.0
-27.5°	124.2	98.5	75.2	53.6	33.9	16.0	0.0
-30°	119.0	94.8	72.6	52.0	33.0	15.6	0.0
-32.5°	113.6	91.0	70.0	50.3	32.0	15.2	0.0
-35°	108.5	87.0	67.2	48.4	31.0	14.7	0.0
-37.5°	103.4	83.0	64.3	46.5	29.9	14.3	0.0
-40°	98.2	79.2	61.4	44.5	28.8	13.8	0.0
-42.5°	92.8	75.3	58.4	42.5	27.6	13.3	0.0
-45°	87.2	71.3	55.5	40.3	26.3	12.7	0.0
-47.5°	81.5	67.3	52.6	38.1	25.0	12.2	0.0
-50°	76.4	63.1	49.5	36.0	23.7	11.6	0.0
-52.5°	71.4	58.8	46.3	33.9	22.3	11.0	0.0
-55°	66.4	54.8	43.1	31.8	20.9	10.3	0.0
-57.5°	61.2	50.6	39.7	29.6	19.5	9.7	0.0
-60°	56.1	46.4	36.3	27.4	18.0	9.0	0.0
-62.5°	51.0	42.1	33.4	25.2	16.6	8.3	0.0
-65°	45.9	37.8	30.3	22.8	15.2	7.6	0.0
-67.5°	40.6	33.7	27.3	20.5	13.8	6.9	0.0
-70°	35.4	29.9	24.2	18.1	12.3	6.2	0.0
-72.5°	30.7	26.0	21.0	15.9	10.8	5.4	0.0
-75°	26.2	22.1	17.8	13.7	9.3	4.7	0.0
-77.5°	21.6	18.2	14.9	11.4	7.8	3.9	0.0
-80°	17.0	14.5	11.9	9.2	6.2	3.1	0.0
-82.5°	12.7	10.9	8.9	6.9	4.7	2.3	0.0
-85°	8.5	7.3	6.0	4.6	3.1	1.6	0.0
-87.5°	4.2	3.6	3.0	2.3	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)