

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: P558950 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-930-U-NAT-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P558950 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA4D-930-U-NAT-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, NARROW ASYMMETRICAL RECTANGULAR 6x4  
Light Source: (64) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

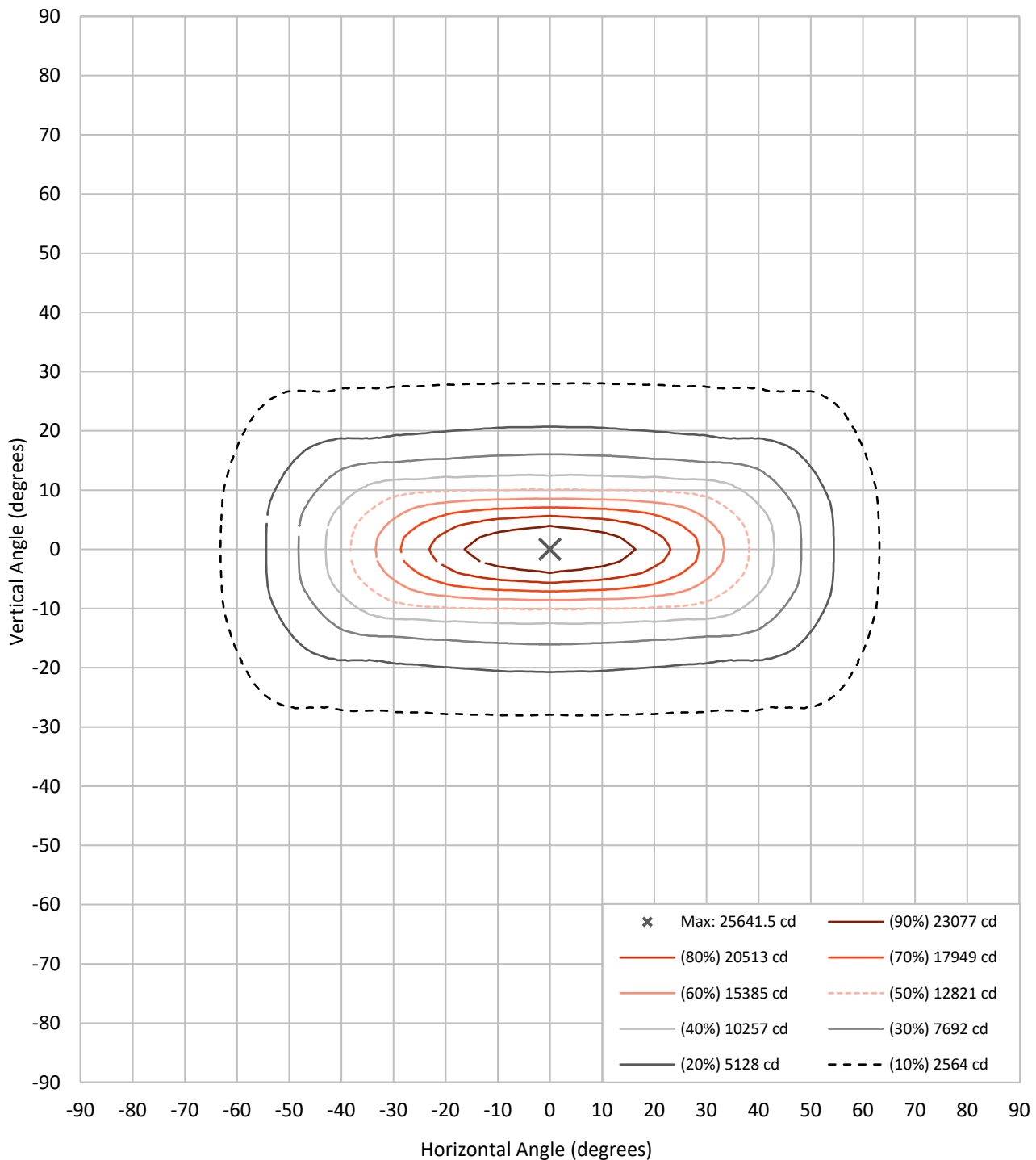
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	18364 lumens	Max Intensity:	25641.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	84.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	7347.4 lumens	Field Lumens:	15051.2 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

Input Watts (W): 217  
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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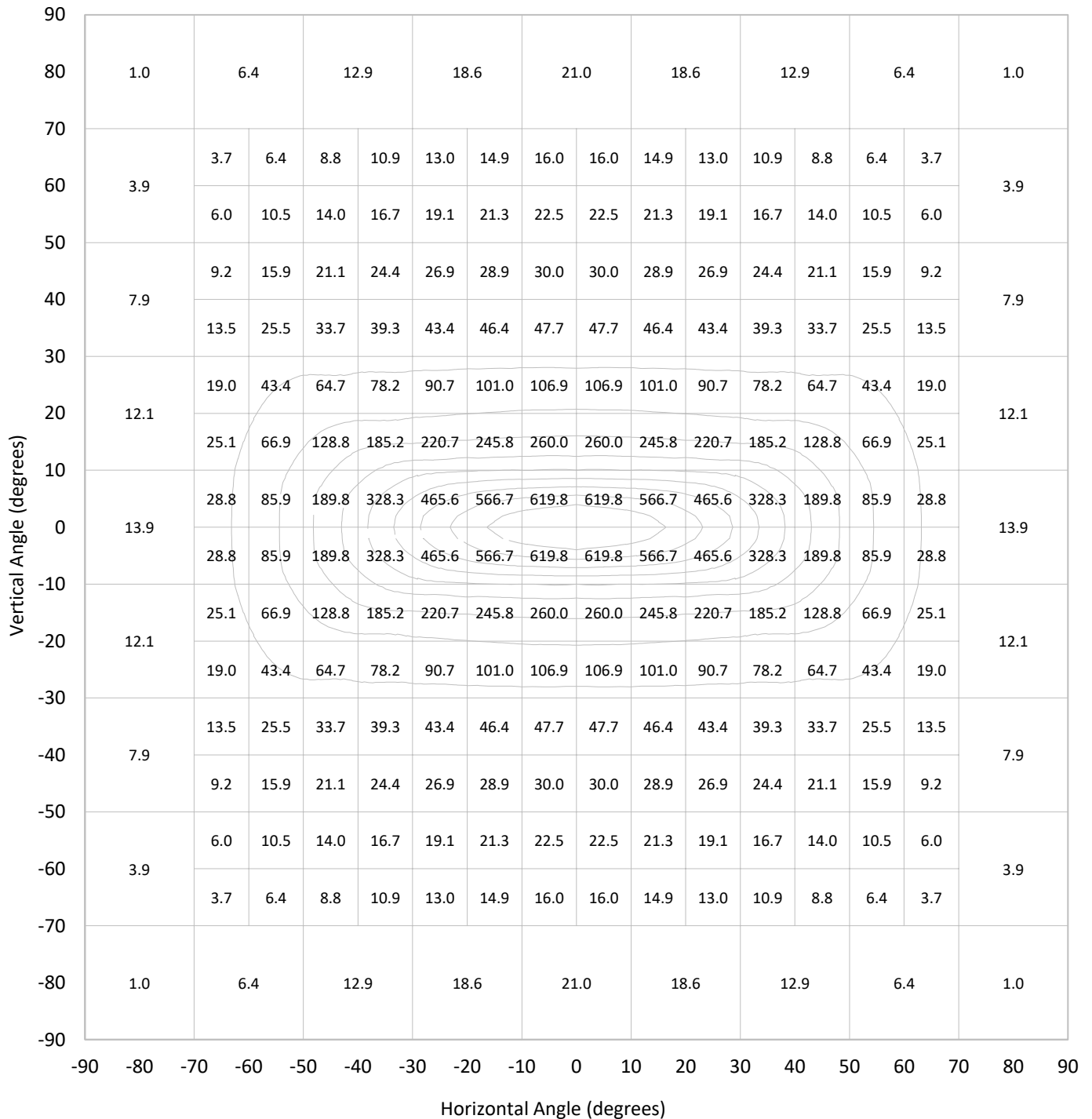
### Iso-Candela Plot





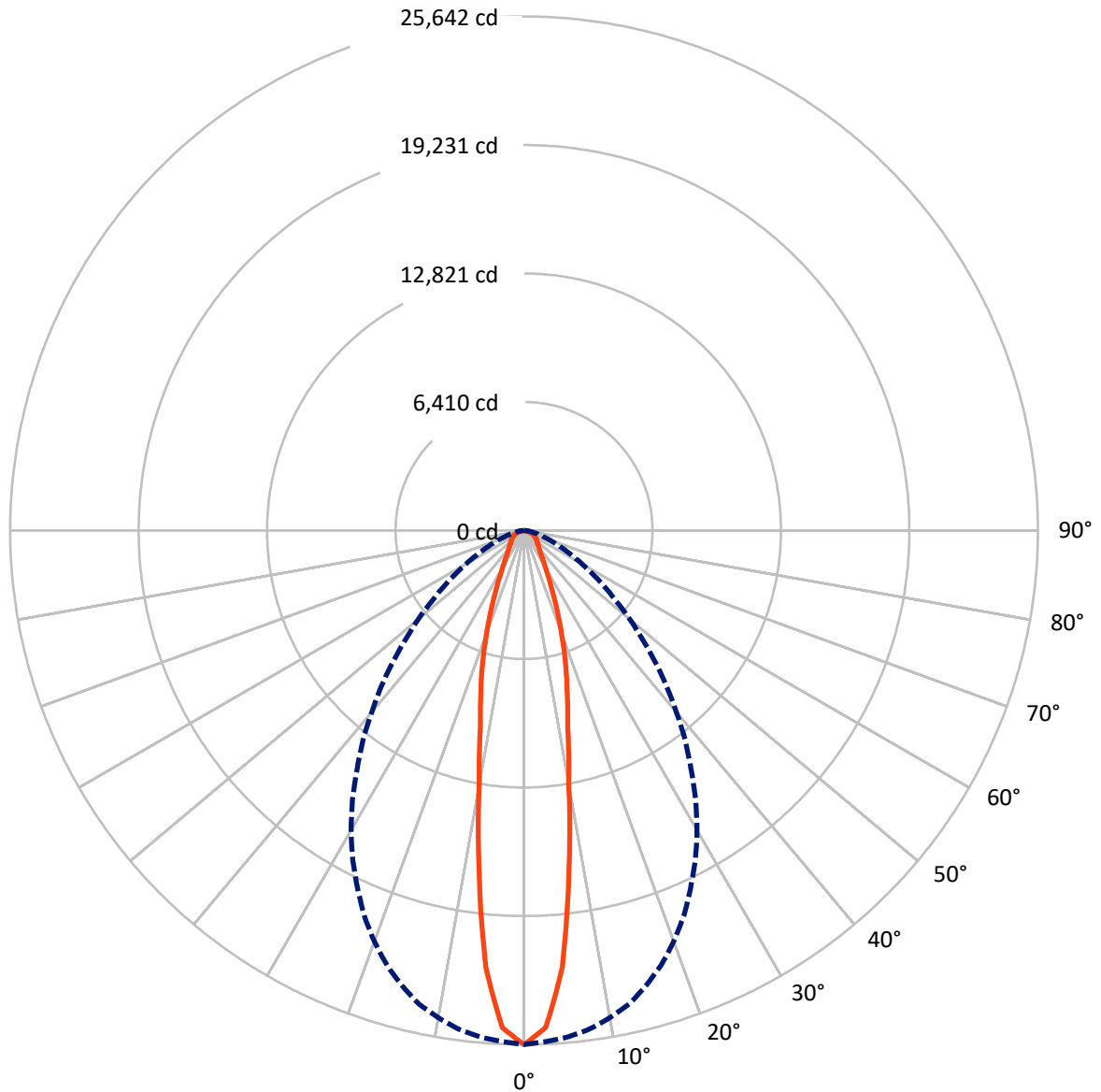
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### Lumen Table



REPORT NUMBER: P558950 (CONVERTED FROM TYPE C PHOTOMETRY)  
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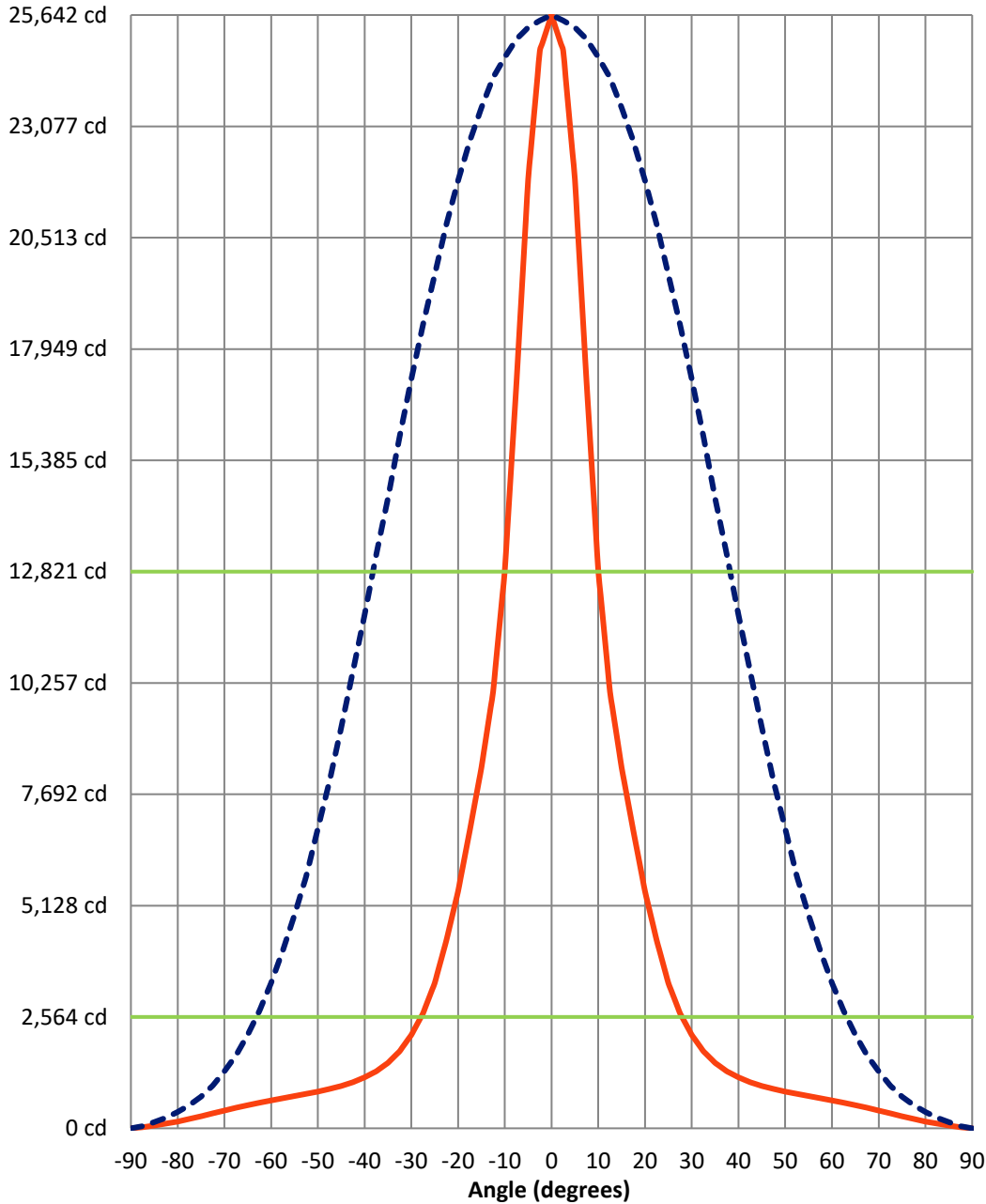
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 76.4°  
V Angle: 20°  
Lumens: 7347.4  
Efficiency: 40.0%

**Field:**  
H Angle: 126.3°  
V Angle: 55.8°  
Lumens: 15051.2  
Efficiency: 82.0%

**Spill:**  
Lumens: 3312.8  
Efficiency: 18.0%

— 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	2.1	4.3	6.1	7.7	9.1	10.2	11.6	12.9	14.0	15.1
85°	0.0	4.3	8.5	12.1	15.3	18.1	20.4	23.2	25.7	28.0	30.2
82.5°	0.0	6.4	12.7	18.2	23.0	27.2	30.7	34.7	39.4	46.9	53.8
80°	0.0	8.5	17.0	24.2	30.6	36.2	42.1	53.5	64.0	73.7	82.4
77.5°	0.0	10.6	21.1	30.3	38.3	48.1	61.9	75.8	88.7	100.4	111.6
75°	0.0	12.7	25.3	36.2	47.0	65.1	81.7	98.0	113.5	129.3	142.7
72.5°	0.0	14.7	29.4	42.2	61.1	82.1	101.4	121.0	141.3	159.0	174.0
70°	0.0	16.7	33.4	49.0	75.0	99.0	121.4	146.4	169.1	188.9	208.3
67.5°	0.0	18.7	37.4	59.6	88.8	115.7	144.2	171.8	197.0	222.9	243.7
65°	0.0	20.7	41.3	70.1	102.4	133.9	167.0	197.1	229.2	257.1	281.6
62.5°	0.0	22.6	45.1	80.4	115.9	153.4	189.7	225.4	261.5	292.9	324.9
60°	0.0	24.4	48.9	90.6	129.1	172.8	212.2	255.0	293.9	333.5	368.5
57.5°	0.0	26.3	55.5	100.6	144.7	192.0	237.8	284.6	330.3	374.3	415.6
55°	0.0	28.0	62.0	110.4	160.3	211.0	263.5	314.1	367.5	416.6	465.4
52.5°	0.0	29.8	68.3	119.9	175.5	230.1	288.8	347.1	404.6	464.4	516.5
50°	0.0	31.4	74.5	129.3	190.4	251.1	313.7	380.8	443.9	513.1	577.2
47.5°	0.0	33.0	80.4	138.8	205.1	271.7	339.0	414.6	488.7	562.6	641.1
45°	0.0	34.6	86.2	149.6	219.4	291.7	368.2	448.4	534.6	622.9	707.3
42.5°	0.0	36.0	91.7	160.0	233.3	311.3	397.2	485.9	580.4	684.7	782.7
40°	0.0	37.5	97.0	169.7	247.6	330.4	426.0	525.6	629.4	747.7	862.0
37.5°	0.0	38.8	102.0	178.8	262.2	348.8	454.3	564.8	685.0	813.7	944.0
35°	0.0	40.1	106.8	187.2	276.3	369.8	482.3	603.5	740.3	886.8	1032.7
32.5°	0.0	41.2	111.4	195.1	289.7	391.7	510.9	641.4	795.2	960.9	1130.3
30°	0.0	42.3	115.7	202.4	302.5	412.9	541.5	680.6	849.6	1035.6	1230.2
27.5°	0.0	43.4	119.7	209.2	313.2	433.4	571.1	724.8	906.4	1110.6	1331.9
25°	0.0	44.3	123.4	215.3	323.0	453.0	599.5	767.8	967.8	1192.2	1435.1
22.5°	0.0	45.2	126.8	220.8	332.1	470.5	626.7	809.3	1027.9	1276.6	1548.0
20°	0.0	45.9	129.9	225.6	340.5	483.9	652.5	849.1	1086.5	1359.8	1659.8
17.5°	0.0	46.6	132.7	229.9	348.1	495.6	671.9	886.9	1143.2	1441.2	1769.8
15°	0.0	47.2	135.2	233.6	354.8	505.7	686.4	916.7	1197.4	1520.0	1877.1
12.5°	0.0	47.7	137.4	236.6	360.7	514.1	698.8	936.0	1236.3	1595.5	1980.6
10°	0.0	48.2	139.2	239.0	365.7	521.0	709.1	952.1	1261.1	1631.1	2061.3
7.5°	0.0	48.5	140.7	240.8	369.8	526.2	717.2	964.8	1281.2	1654.5	2097.8
5°	0.0	48.7	141.8	242.0	373.0	529.9	723.1	974.0	1296.3	1670.7	2126.1
2.5°	0.0	48.9	142.6	242.7	375.1	532.0	726.8	979.9	1306.4	1679.9	2145.8
0°	0.0	48.9	143.0	242.7	376.3	532.5	728.2	982.2	1311.4	1682.1	2156.2
-2.5°	0.0	48.9	142.6	242.7	375.1	532.0	726.8	979.9	1306.4	1679.9	2145.8
-5°	0.0	48.7	141.8	242.0	373.0	529.9	723.1	974.0	1296.3	1670.7	2126.1
-7.5°	0.0	48.5	140.7	240.8	369.8	526.2	717.2	964.8	1281.2	1654.5	2097.8
-10°	0.0	48.2	139.2	239.0	365.7	521.0	709.1	952.1	1261.1	1631.1	2061.3
-12.5°	0.0	47.7	137.4	236.6	360.7	514.1	698.8	936.0	1236.3	1595.5	1980.6
-15°	0.0	47.2	135.2	233.6	354.8	505.7	686.4	916.7	1197.4	1520.0	1877.1
-17.5°	0.0	46.6	132.7	229.9	348.1	495.6	671.9	886.9	1143.2	1441.2	1769.8
-20°	0.0	45.9	129.9	225.6	340.5	483.9	652.5	849.1	1086.5	1359.8	1659.8



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 CATALOG NUMBER: GFLD-SA4D-930-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	45.2	126.8	220.8	332.1	470.5	626.7	809.3	1027.9	1276.6	1548.0
-25°	0.0	44.3	123.4	215.3	323.0	453.0	599.5	767.8	967.8	1192.2	1435.1
-27.5°	0.0	43.4	119.7	209.2	313.2	433.4	571.1	724.8	906.4	1110.6	1331.9
-30°	0.0	42.3	115.7	202.4	302.5	412.9	541.5	680.6	849.6	1035.6	1230.2
-32.5°	0.0	41.2	111.4	195.1	289.7	391.7	510.9	641.4	795.2	960.9	1130.3
-35°	0.0	40.1	106.8	187.2	276.3	369.8	482.3	603.5	740.3	886.8	1032.7
-37.5°	0.0	38.8	102.0	178.8	262.2	348.8	454.3	564.8	685.0	813.7	944.0
-40°	0.0	37.5	97.0	169.7	247.6	330.4	426.0	525.6	629.4	747.7	862.0
-42.5°	0.0	36.0	91.7	160.0	233.3	311.3	397.2	485.9	580.4	684.7	782.7
-45°	0.0	34.6	86.2	149.6	219.4	291.7	368.2	448.4	534.6	622.9	707.3
-47.5°	0.0	33.0	80.4	138.8	205.1	271.7	339.0	414.6	488.7	562.6	641.1
-50°	0.0	31.4	74.5	129.3	190.4	251.1	313.7	380.8	443.9	513.1	577.2
-52.5°	0.0	29.8	68.3	119.9	175.5	230.1	288.8	347.1	404.6	464.4	516.5
-55°	0.0	28.0	62.0	110.4	160.3	211.0	263.5	314.1	367.5	416.6	465.4
-57.5°	0.0	26.3	55.5	100.6	144.7	192.0	237.8	284.6	330.3	374.3	415.6
-60°	0.0	24.4	48.9	90.6	129.1	172.8	212.2	255.0	293.9	333.5	368.5
-62.5°	0.0	22.6	45.1	80.4	115.9	153.4	189.7	225.4	261.5	292.9	324.9
-65°	0.0	20.7	41.3	70.1	102.4	133.9	167.0	197.1	229.2	257.1	281.6
-67.5°	0.0	18.7	37.4	59.6	88.8	115.7	144.2	171.8	197.0	222.9	243.7
-70°	0.0	16.7	33.4	49.0	75.0	99.0	121.4	146.4	169.1	188.9	208.3
-72.5°	0.0	14.7	29.4	42.2	61.1	82.1	101.4	121.0	141.3	159.0	174.0
-75°	0.0	12.7	25.3	36.2	47.0	65.1	81.7	98.0	113.5	129.3	142.7
-77.5°	0.0	10.6	21.1	30.3	38.3	48.1	61.9	75.8	88.7	100.4	111.6
-80°	0.0	8.5	17.0	24.2	30.6	36.2	42.1	53.5	64.0	73.7	82.4
-82.5°	0.0	6.4	12.7	18.2	23.0	27.2	30.7	34.7	39.4	46.9	53.8
-85°	0.0	4.3	8.5	12.1	15.3	18.1	20.4	23.2	25.7	28.0	30.2
-87.5°	0.0	2.1	4.3	6.1	7.7	9.1	10.2	11.6	12.9	14.0	15.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P558950 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-930-U-NAT-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°	16.3	17.4	18.5	19.4	20.3	21.2	21.9	22.6	23.6	24.5	25.4
85°	32.5	34.8	38.5	41.6	44.5	46.9	49.0	50.7	52.5	54.0	55.2
82.5°	59.9	64.9	69.0	72.0	75.4	78.4	81.0	83.2	85.6	87.7	89.6
80°	89.5	95.2	101.1	106.2	111.2	115.0	117.4	118.4	121.4	125.2	129.1
77.5°	121.4	130.0	137.6	144.2	149.5	154.3	157.6	159.7	164.4	169.9	174.7
75°	154.4	164.9	175.5	184.7	192.0	197.4	201.4	204.6	210.3	217.5	223.6
72.5°	188.8	203.0	215.4	226.2	236.0	243.5	249.1	252.7	258.4	266.9	273.7
70°	225.0	241.2	258.1	272.0	282.4	291.3	298.6	303.7	308.8	317.4	323.8
67.5°	262.5	285.6	304.4	319.0	330.7	341.6	349.8	355.2	357.5	366.2	373.4
65°	306.6	331.4	352.3	368.8	380.5	393.8	403.1	407.7	409.1	418.5	427.4
62.5°	351.6	379.0	401.9	420.9	436.0	448.7	459.1	464.9	465.9	472.9	483.1
60°	399.6	427.7	455.0	477.7	493.9	507.0	518.3	524.5	525.7	528.5	540.2
57.5°	449.7	480.0	511.8	537.4	556.3	567.1	579.4	586.3	589.0	587.3	599.3
55°	504.1	535.6	571.6	601.3	621.6	631.4	642.9	652.7	656.0	653.8	660.9
52.5°	565.8	597.2	635.5	668.2	690.8	702.6	710.7	722.5	727.9	725.5	724.1
50°	630.6	670.1	701.8	739.2	766.4	781.9	782.2	796.8	803.9	801.7	792.1
47.5°	704.0	748.6	772.5	815.3	850.8	869.1	870.3	876.1	884.8	887.2	878.9
45°	783.3	837.7	863.4	901.7	941.3	963.7	970.5	960.0	975.6	980.5	975.2
42.5°	866.8	936.1	976.8	992.4	1038.5	1069.6	1081.6	1074.3	1073.5	1084.4	1084.2
40°	963.2	1042.9	1104.0	1120.1	1143.5	1186.4	1211.8	1210.5	1182.0	1202.3	1207.6
37.5°	1066.3	1169.9	1245.4	1279.0	1261.3	1318.6	1355.8	1370.9	1353.2	1333.2	1355.9
35°	1174.8	1305.7	1407.5	1464.7	1467.3	1465.9	1524.3	1555.5	1557.7	1521.1	1529.4
32.5°	1296.3	1449.9	1584.7	1677.3	1719.3	1693.3	1708.5	1774.2	1806.4	1792.5	1739.9
30°	1426.6	1615.2	1780.5	1911.1	2005.0	2032.7	1970.1	2021.4	2092.6	2121.1	2098.2
27.5°	1558.6	1790.5	2000.1	2181.2	2326.8	2419.0	2421.2	2342.1	2422.9	2491.5	2518.0
25°	1692.5	1966.0	2233.1	2478.5	2698.8	2857.4	2930.4	2938.9	2825.7	2928.5	3024.3
22.5°	1835.3	2146.6	2463.5	2795.1	3102.1	3334.9	3511.9	3618.5	3615.0	3507.1	3591.4
20°	1986.4	2343.1	2712.1	3105.5	3524.2	3844.2	4140.8	4367.5	4504.0	4549.4	4461.1
17.5°	2137.2	2541.3	2973.1	3441.6	3926.1	4369.8	4814.2	5176.1	5462.8	5698.2	5782.4
15°	2286.2	2739.1	3235.1	3780.1	4339.9	4895.3	5466.7	6020.9	6508.8	6939.5	7194.9
12.5°	2431.7	2934.2	3495.1	4116.9	4759.5	5428.0	6109.8	6785.0	7487.8	8185.5	8715.7
10°	2572.0	3124.1	3749.7	4448.0	5178.7	5960.6	6751.8	7553.1	8406.9	9229.7	10021.8
7.5°	2631.9	3248.3	3969.0	4768.6	5590.8	6484.9	7384.0	8314.3	9312.0	10272.0	11239.3
5°	2668.9	3297.6	4030.6	4863.7	5778.3	6827.1	7899.9	9052.3	10190.7	11296.1	12435.8
2.5°	2693.5	3331.3	4071.8	4901.3	5806.2	6883.3	7969.6	9166.1	10443.4	11721.5	13078.4
0°	2705.6	3349.1	4092.3	4912.7	5802.6	6901.5	7996.5	9230.8	10525.3	11825.4	13214.0
-2.5°	2693.5	3331.3	4071.8	4901.3	5806.2	6883.3	7969.6	9166.1	10443.4	11721.5	13078.4
-5°	2668.9	3297.6	4030.6	4863.7	5778.3	6827.1	7899.9	9052.3	10190.7	11296.1	12435.8
-7.5°	2631.9	3248.3	3969.0	4768.6	5590.8	6484.9	7384.0	8314.3	9312.0	10272.0	11239.3
-10°	2572.0	3124.1	3749.7	4448.0	5178.7	5960.6	6751.8	7553.1	8406.9	9229.7	10021.8
-12.5°	2431.7	2934.2	3495.1	4116.9	4759.5	5428.0	6109.8	6785.0	7487.8	8185.5	8715.7
-15°	2286.2	2739.1	3235.1	3780.1	4339.9	4895.3	5466.7	6020.9	6508.8	6939.5	7194.9
-17.5°	2137.2	2541.3	2973.1	3441.6	3926.1	4369.8	4814.2	5176.1	5462.8	5698.2	5782.4
-20°	1986.4	2343.1	2712.1	3105.5	3524.2	3844.2	4140.8	4367.5	4504.0	4549.4	4461.1



REPORT NUMBER: P558950 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-930-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1835.3	2146.6	2463.5	2795.1	3102.1	3334.9	3511.9	3618.5	3615.0	3507.1	3591.4
-25°	1692.5	1966.0	2233.1	2478.5	2698.8	2857.4	2930.4	2938.9	2825.7	2928.5	3024.3
-27.5°	1558.6	1790.5	2000.1	2181.2	2326.8	2419.0	2421.2	2342.1	2422.9	2491.5	2518.0
-30°	1426.6	1615.2	1780.5	1911.1	2005.0	2032.7	1970.1	2021.4	2092.6	2121.1	2098.2
-32.5°	1296.3	1449.9	1584.7	1677.3	1719.3	1693.3	1708.5	1774.2	1806.4	1792.5	1739.9
-35°	1174.8	1305.7	1407.5	1464.7	1467.3	1465.9	1524.3	1555.5	1557.7	1521.1	1529.4
-37.5°	1066.3	1169.9	1245.4	1279.0	1261.3	1318.6	1355.8	1370.9	1353.2	1333.2	1355.9
-40°	963.2	1042.9	1104.0	1120.1	1143.5	1186.4	1211.8	1210.5	1182.0	1202.3	1207.6
-42.5°	866.8	936.1	976.8	992.4	1038.5	1069.6	1081.6	1074.3	1073.5	1084.4	1084.2
-45°	783.3	837.7	863.4	901.7	941.3	963.7	970.5	960.0	975.6	980.5	975.2
-47.5°	704.0	748.6	772.5	815.3	850.8	869.1	870.3	876.1	884.8	887.2	878.9
-50°	630.6	670.1	701.8	739.2	766.4	781.9	782.2	796.8	803.9	801.7	792.1
-52.5°	565.8	597.2	635.5	668.2	690.8	702.6	710.7	722.5	727.9	725.5	724.1
-55°	504.1	535.6	571.6	601.3	621.6	631.4	642.9	652.7	656.0	653.8	660.9
-57.5°	449.7	480.0	511.8	537.4	556.3	567.1	579.4	586.3	589.0	587.3	599.3
-60°	399.6	427.7	455.0	477.7	493.9	507.0	518.3	524.5	525.7	528.5	540.2
-62.5°	351.6	379.0	401.9	420.9	436.0	448.7	459.1	464.9	465.9	472.9	483.1
-65°	306.6	331.4	352.3	368.8	380.5	393.8	403.1	407.7	409.1	418.5	427.4
-67.5°	262.5	285.6	304.4	319.0	330.7	341.6	349.8	355.2	357.5	366.2	373.4
-70°	225.0	241.2	258.1	272.0	282.4	291.3	298.6	303.7	308.8	317.4	323.8
-72.5°	188.8	203.0	215.4	226.2	236.0	243.5	249.1	252.7	258.4	266.9	273.7
-75°	154.4	164.9	175.5	184.7	192.0	197.4	201.4	204.6	210.3	217.5	223.6
-77.5°	121.4	130.0	137.6	144.2	149.5	154.3	157.6	159.7	164.4	169.9	174.7
-80°	89.5	95.2	101.1	106.2	111.2	115.0	117.4	118.4	121.4	125.2	129.1
-82.5°	59.9	64.9	69.0	72.0	75.4	78.4	81.0	83.2	85.6	87.7	89.6
-85°	32.5	34.8	38.5	41.6	44.5	46.9	49.0	50.7	52.5	54.0	55.2
-87.5°	16.3	17.4	18.5	19.4	20.3	21.2	21.9	22.6	23.6	24.5	25.4
-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):**

	-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°	26.2	25.8	25.3	24.6	23.8	23.9	23.9	23.8	23.7	23.5	23.2
85°	56.0	57.1	58.1	59.0	59.9	60.9	61.8	62.5	63.1	63.0	62.8
82.5°	91.2	94.3	97.3	100.2	102.9	104.3	105.4	106.1	106.4	107.3	108.0
80°	132.4	136.9	141.0	144.5	147.3	149.3	151.0	152.3	153.3	154.4	155.2
77.5°	179.1	184.1	188.9	193.1	196.7	200.0	202.9	205.2	206.9	209.5	211.9
75°	228.8	234.4	240.3	245.6	250.3	255.2	260.1	264.6	268.6	272.0	274.5
72.5°	279.0	284.9	292.2	298.9	305.2	311.9	318.4	324.2	329.2	333.9	338.1
70°	328.5	334.1	343.4	352.5	360.9	368.9	376.8	383.9	390.2	396.3	401.8
67.5°	379.7	385.6	397.2	407.6	417.0	425.8	435.0	443.2	450.4	456.8	462.4
65°	434.4	439.5	452.1	463.5	473.4	481.7	491.6	500.6	508.6	515.6	521.6
62.5°	490.9	496.1	506.4	517.7	527.1	535.0	546.7	556.8	565.4	572.5	578.5
60°	548.2	552.6	560.6	573.1	583.6	592.3	602.5	612.4	620.7	627.7	634.1
57.5°	607.7	612.2	616.1	628.6	638.7	646.5	655.5	665.2	673.2	679.9	686.4
55°	669.3	672.8	671.6	683.0	692.5	698.9	705.7	715.8	723.9	729.8	735.7
52.5°	732.2	736.3	733.4	738.2	748.6	754.4	757.3	768.3	776.6	781.9	787.3
50°	802.2	805.5	802.9	800.1	810.2	816.2	817.9	826.7	834.2	838.3	842.1
47.5°	878.1	882.2	880.1	869.2	878.1	885.7	885.9	889.7	897.4	900.5	902.9
45°	960.7	968.6	966.9	959.2	958.0	965.7	965.0	962.0	970.9	974.8	976.1
42.5°	1069.1	1066.5	1069.0	1064.6	1050.9	1059.7	1060.8	1049.7	1060.8	1065.6	1062.8
40°	1201.7	1177.5	1190.8	1188.9	1176.1	1174.2	1181.1	1172.0	1173.7	1180.6	1175.3
37.5°	1359.5	1342.2	1335.0	1341.0	1337.2	1320.9	1333.9	1330.7	1320.4	1332.0	1326.9
35°	1553.8	1548.6	1509.6	1533.4	1538.3	1522.7	1527.2	1533.9	1511.6	1529.2	1527.3
32.5°	1781.0	1792.4	1784.1	1769.5	1791.6	1794.4	1768.8	1799.6	1787.2	1791.6	1803.7
30°	2038.2	2097.2	2126.0	2100.3	2114.1	2141.6	2129.0	2150.4	2160.6	2144.6	2174.9
27.5°	2487.6	2466.7	2535.5	2565.5	2533.4	2583.5	2619.9	2603.8	2657.0	2625.6	2670.5
25°	3058.8	3028.0	3046.5	3145.5	3167.4	3142.0	3244.6	3256.6	3298.9	3304.0	3335.4
22.5°	3729.8	3804.1	3795.4	3825.6	3949.9	3991.5	4029.4	4128.0	4105.5	4195.0	4210.5
20°	4480.1	4666.8	4795.4	4822.3	4875.5	5018.5	5084.1	5161.9	5214.2	5298.8	5370.4
17.5°	5749.3	5653.7	5905.9	6064.3	6147.6	6177.4	6349.7	6405.8	6535.2	6609.1	6682.5
15°	7378.9	7434.7	7320.9	7471.9	7727.1	7813.2	7714.2	7945.4	8010.5	8135.0	8157.0
12.5°	9120.7	9402.7	9541.0	9578.6	9445.2	9808.1	9953.5	9771.0	9978.0	9940.7	10111.1
10°	10782.7	11467.9	11878.0	12166.5	12341.8	12447.4	12552.4	12741.0	12744.3	12884.1	12802.5
7.5°	12147.2	13015.9	13845.7	14650.6	15294.5	15655.5	15938.9	16210.8	16573.5	16747.2	16860.1
5°	13482.2	14484.4	15477.2	16453.0	17336.6	18186.7	19020.0	19742.7	20125.7	20573.2	20972.3
2.5°	14345.6	15613.3	16881.2	18137.2	19158.2	20095.1	20962.3	21767.7	22474.2	23127.8	23679.8
0°	14514.1	15932.8	17255.5	18508.6	19658.3	20815.4	21825.8	22736.4	23506.0	24200.3	24668.8
-2.5°	14345.6	15613.3	16881.2	18137.2	19158.2	20095.1	20962.3	21767.7	22474.2	23127.8	23679.8
-5°	13482.2	14484.4	15477.2	16453.0	17336.6	18186.7	19020.0	19742.7	20125.7	20573.2	20972.3
-7.5°	12147.2	13015.9	13845.7	14650.6	15294.5	15655.5	15938.9	16210.8	16573.5	16747.2	16860.1
-10°	10782.7	11467.9	11878.0	12166.5	12341.8	12447.4	12552.4	12741.0	12744.3	12884.1	12802.5
-12.5°	9120.7	9402.7	9541.0	9578.6	9445.2	9808.1	9953.5	9771.0	9978.0	9940.7	10111.1
-15°	7378.9	7434.7	7320.9	7471.9	7727.1	7813.2	7714.2	7945.4	8010.5	8135.0	8157.0
-17.5°	5749.3	5653.7	5905.9	6064.3	6147.6	6177.4	6349.7	6405.8	6535.2	6609.1	6682.5
-20°	4480.1	4666.8	4795.4	4822.3	4875.5	5018.5	5084.1	5161.9	5214.2	5298.8	5370.4



REPORT NUMBER: P558950 (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°	3729.8	3804.1	3795.4	3825.6	3949.9	3991.5	4029.4	4128.0	4105.5	4195.0	4210.5
-25°	3058.8	3028.0	3046.5	3145.5	3167.4	3142.0	3244.6	3256.6	3298.9	3304.0	3335.4
-27.5°	2487.6	2466.7	2535.5	2565.5	2533.4	2583.5	2619.9	2603.8	2657.0	2625.6	2670.5
-30°	2038.2	2097.2	2126.0	2100.3	2114.1	2141.6	2129.0	2150.4	2160.6	2144.6	2174.9
-32.5°	1781.0	1792.4	1784.1	1769.5	1791.6	1794.4	1768.8	1799.6	1787.2	1791.6	1803.7
-35°	1553.8	1548.6	1509.6	1533.4	1538.3	1522.7	1527.2	1533.9	1511.6	1529.2	1527.3
-37.5°	1359.5	1342.2	1335.0	1341.0	1337.2	1320.9	1333.9	1330.7	1320.4	1332.0	1326.9
-40°	1201.7	1177.5	1190.8	1188.9	1176.1	1174.2	1181.1	1172.0	1173.7	1180.6	1175.3
-42.5°	1069.1	1066.5	1069.0	1064.6	1050.9	1059.7	1060.8	1049.7	1060.8	1065.6	1062.8
-45°	960.7	968.6	966.9	959.2	958.0	965.7	965.0	962.0	970.9	974.8	976.1
-47.5°	878.1	882.2	880.1	869.2	878.1	885.7	885.9	889.7	897.4	900.5	902.9
-50°	802.2	805.5	802.9	800.1	810.2	816.2	817.9	826.7	834.2	838.3	842.1
-52.5°	732.2	736.3	733.4	738.2	748.6	754.4	757.3	768.3	776.6	781.9	787.3
-55°	669.3	672.8	671.6	683.0	692.5	698.9	705.7	715.8	723.9	729.8	735.7
-57.5°	607.7	612.2	616.1	628.6	638.7	646.5	655.5	665.2	673.2	679.9	686.4
-60°	548.2	552.6	560.6	573.1	583.6	592.3	602.5	612.4	620.7	627.7	634.1
-62.5°	490.9	496.1	506.4	517.7	527.1	535.0	546.7	556.8	565.4	572.5	578.5
-65°	434.4	439.5	452.1	463.5	473.4	481.7	491.6	500.6	508.6	515.6	521.6
-67.5°	379.7	385.6	397.2	407.6	417.0	425.8	435.0	443.2	450.4	456.8	462.4
-70°	328.5	334.1	343.4	352.5	360.9	368.9	376.8	383.9	390.2	396.3	401.8
-72.5°	279.0	284.9	292.2	298.9	305.2	311.9	318.4	324.2	329.2	333.9	338.1
-75°	228.8	234.4	240.3	245.6	250.3	255.2	260.1	264.6	268.6	272.0	274.5
-77.5°	179.1	184.1	188.9	193.1	196.7	200.0	202.9	205.2	206.9	209.5	211.9
-80°	132.4	136.9	141.0	144.5	147.3	149.3	151.0	152.3	153.3	154.4	155.2
-82.5°	91.2	94.3	97.3	100.2	102.9	104.3	105.4	106.1	106.4	107.3	108.0
-85°	56.0	57.1	58.1	59.0	59.9	60.9	61.8	62.5	63.1	63.0	62.8
-87.5°	26.2	25.8	25.3	24.6	23.8	23.9	23.9	23.8	23.7	23.5	23.2
-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: P558950 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
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°	22.9	22.5	23.5	24.5	23.5	22.5	22.9	23.2	23.5	23.7	23.8
85°	62.4	61.8	63.0	64.0	63.0	61.8	62.4	62.8	63.0	63.1	62.5
82.5°	108.4	108.6	109.0	109.1	109.0	108.6	108.4	108.0	107.3	106.4	106.1
80°	155.5	155.5	155.1	154.3	155.1	155.5	155.5	155.2	154.4	153.3	152.3
77.5°	213.8	215.2	216.1	216.4	216.1	215.2	213.8	211.9	209.5	206.9	205.2
75°	276.2	277.1	277.2	276.6	277.2	277.1	276.2	274.5	272.0	268.6	264.6
72.5°	341.6	344.3	344.8	344.3	344.8	344.3	341.6	338.1	333.9	329.2	324.2
70°	406.3	409.9	409.8	408.3	409.8	409.9	406.3	401.8	396.3	390.2	383.9
67.5°	466.8	470.0	472.6	474.1	472.6	470.0	466.8	462.4	456.8	450.4	443.2
65°	526.4	530.0	531.9	532.5	531.9	530.0	526.4	521.6	515.6	508.6	500.6
62.5°	583.1	586.3	588.3	588.9	588.3	586.3	583.1	578.5	572.5	565.4	556.8
60°	639.0	642.6	643.1	641.6	643.1	642.6	639.0	634.1	627.7	620.7	612.4
57.5°	691.4	695.1	695.0	692.4	695.0	695.1	691.4	686.4	679.9	673.2	665.2
55°	740.0	742.6	743.6	743.2	743.6	742.6	740.0	735.7	729.8	723.9	715.8
52.5°	791.3	793.4	794.3	794.0	794.3	793.4	791.3	787.3	781.9	776.6	768.3
50°	844.9	845.2	845.1	844.8	845.1	845.2	844.9	842.1	838.3	834.2	826.7
47.5°	906.2	906.8	906.9	906.9	906.9	906.8	906.2	902.9	900.5	897.4	889.7
45°	978.5	976.6	974.5	974.6	974.5	976.6	978.5	976.1	974.8	970.9	962.0
42.5°	1065.5	1063.2	1060.5	1061.2	1060.5	1063.2	1065.5	1062.8	1065.6	1060.8	1049.7
40°	1179.9	1179.3	1175.4	1174.1	1175.4	1179.3	1179.9	1175.3	1180.6	1173.7	1172.0
37.5°	1327.7	1325.6	1317.0	1313.3	1317.0	1325.6	1327.7	1326.9	1332.0	1320.4	1330.7
35°	1522.1	1519.3	1506.1	1507.1	1506.1	1519.3	1522.1	1527.3	1529.2	1511.6	1533.9
32.5°	1797.7	1798.6	1778.8	1774.3	1778.8	1798.6	1797.7	1803.7	1791.6	1787.2	1799.6
30°	2156.0	2163.9	2140.6	2150.6	2140.6	2163.9	2156.0	2174.9	2144.6	2160.6	2150.4
27.5°	2669.7	2684.7	2664.0	2647.3	2664.0	2684.7	2669.7	2670.5	2625.6	2657.0	2603.8
25°	3376.6	3387.8	3364.2	3343.5	3364.2	3387.8	3376.6	3335.4	3304.0	3298.9	3256.6
22.5°	4296.8	4296.0	4294.9	4327.5	4294.9	4296.0	4296.8	4210.5	4195.0	4105.5	4128.0
20°	5416.6	5389.4	5430.1	5456.4	5430.1	5389.4	5416.6	5370.4	5298.8	5214.2	5161.9
17.5°	6699.5	6750.3	6789.3	6854.4	6789.3	6750.3	6699.5	6682.5	6609.1	6535.2	6405.8
15°	8212.2	8288.9	8327.9	8307.0	8327.9	8288.9	8212.2	8157.0	8135.0	8010.5	7945.4
12.5°	10117.1	10208.6	10141.0	10056.8	10141.0	10208.6	10117.1	10111.1	9940.7	9978.0	9771.0
10°	12803.7	13000.9	13011.9	12847.1	13011.9	13000.9	12803.7	12802.5	12884.1	12744.3	12741.0
7.5°	16925.8	17021.6	17167.2	17174.6	17167.2	17021.6	16925.8	16860.1	16747.2	16573.5	16210.8
5°	21153.2	21408.5	21573.2	21857.8	21573.2	21408.5	21153.2	20972.3	20573.2	20125.7	19742.7
2.5°	24036.3	24366.3	24493.0	24815.5	24493.0	24366.3	24036.3	23679.8	23127.8	22474.2	21767.7
0°	25086.5	25353.7	25513.6	25641.5	25513.6	25353.7	25086.5	24668.8	24200.3	23506.0	22736.4
-2.5°	24036.3	24366.3	24493.0	24815.5	24493.0	24366.3	24036.3	23679.8	23127.8	22474.2	21767.7
-5°	21153.2	21408.5	21573.2	21857.8	21573.2	21408.5	21153.2	20972.3	20573.2	20125.7	19742.7
-7.5°	16925.8	17021.6	17167.2	17174.6	17167.2	17021.6	16925.8	16860.1	16747.2	16573.5	16210.8
-10°	12803.7	13000.9	13011.9	12847.1	13011.9	13000.9	12803.7	12802.5	12884.1	12744.3	12741.0
-12.5°	10117.1	10208.6	10141.0	10056.8	10141.0	10208.6	10117.1	10111.1	9940.7	9978.0	9771.0
-15°	8212.2	8288.9	8327.9	8307.0	8327.9	8288.9	8212.2	8157.0	8135.0	8010.5	7945.4
-17.5°	6699.5	6750.3	6789.3	6854.4	6789.3	6750.3	6699.5	6682.5	6609.1	6535.2	6405.8
-20°	5416.6	5389.4	5430.1	5456.4	5430.1	5389.4	5416.6	5370.4	5298.8	5214.2	5161.9



REPORT NUMBER: P558950 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-930-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4296.8	4296.0	4294.9	4327.5	4294.9	4296.0	4296.8	4210.5	4195.0	4105.5	4128.0
-25°	3376.6	3387.8	3364.2	3343.5	3364.2	3387.8	3376.6	3335.4	3304.0	3298.9	3256.6
-27.5°	2669.7	2684.7	2664.0	2647.3	2664.0	2684.7	2669.7	2670.5	2625.6	2657.0	2603.8
-30°	2156.0	2163.9	2140.6	2150.6	2140.6	2163.9	2156.0	2174.9	2144.6	2160.6	2150.4
-32.5°	1797.7	1798.6	1778.8	1774.3	1778.8	1798.6	1797.7	1803.7	1791.6	1787.2	1799.6
-35°	1522.1	1519.3	1506.1	1507.1	1506.1	1519.3	1522.1	1527.3	1529.2	1511.6	1533.9
-37.5°	1327.7	1325.6	1317.0	1313.3	1317.0	1325.6	1327.7	1326.9	1332.0	1320.4	1330.7
-40°	1179.9	1179.3	1175.4	1174.1	1175.4	1179.3	1179.9	1175.3	1180.6	1173.7	1172.0
-42.5°	1065.5	1063.2	1060.5	1061.2	1060.5	1063.2	1065.5	1062.8	1065.6	1060.8	1049.7
-45°	978.5	976.6	974.5	974.6	974.5	976.6	978.5	976.1	974.8	970.9	962.0
-47.5°	906.2	906.8	906.9	906.9	906.9	906.8	906.2	902.9	900.5	897.4	889.7
-50°	844.9	845.2	845.1	844.8	845.1	845.2	844.9	842.1	838.3	834.2	826.7
-52.5°	791.3	793.4	794.3	794.0	794.3	793.4	791.3	787.3	781.9	776.6	768.3
-55°	740.0	742.6	743.6	743.2	743.6	742.6	740.0	735.7	729.8	723.9	715.8
-57.5°	691.4	695.1	695.0	692.4	695.0	695.1	691.4	686.4	679.9	673.2	665.2
-60°	639.0	642.6	643.1	641.6	643.1	642.6	639.0	634.1	627.7	620.7	612.4
-62.5°	583.1	586.3	588.3	588.9	588.3	586.3	583.1	578.5	572.5	565.4	556.8
-65°	526.4	530.0	531.9	532.5	531.9	530.0	526.4	521.6	515.6	508.6	500.6
-67.5°	466.8	470.0	472.6	474.1	472.6	470.0	466.8	462.4	456.8	450.4	443.2
-70°	406.3	409.9	409.8	408.3	409.8	409.9	406.3	401.8	396.3	390.2	383.9
-72.5°	341.6	344.3	344.8	344.3	344.8	344.3	341.6	338.1	333.9	329.2	324.2
-75°	276.2	277.1	277.2	276.6	277.2	277.1	276.2	274.5	272.0	268.6	264.6
-77.5°	213.8	215.2	216.1	216.4	216.1	215.2	213.8	211.9	209.5	206.9	205.2
-80°	155.5	155.5	155.1	154.3	155.1	155.5	155.5	155.2	154.4	153.3	152.3
-82.5°	108.4	108.6	109.0	109.1	109.0	108.6	108.4	108.0	107.3	106.4	106.1
-85°	62.4	61.8	63.0	64.0	63.0	61.8	62.4	62.8	63.0	63.1	62.5
-87.5°	22.9	22.5	23.5	24.5	23.5	22.5	22.9	23.2	23.5	23.7	23.8
-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: P558950 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-930-U-NAT-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°	23.9	23.9	23.8	24.6	25.3	25.8	26.2	25.4	24.5	23.6	22.6
85°	61.8	60.9	59.9	59.0	58.1	57.1	56.0	55.2	54.0	52.5	50.7
82.5°	105.4	104.3	102.9	100.2	97.3	94.3	91.2	89.6	87.7	85.6	83.2
80°	151.0	149.3	147.3	144.5	141.0	136.9	132.4	129.1	125.2	121.4	118.4
77.5°	202.9	200.0	196.7	193.1	188.9	184.1	179.1	174.7	169.9	164.4	159.7
75°	260.1	255.2	250.3	245.6	240.3	234.4	228.8	223.6	217.5	210.3	204.6
72.5°	318.4	311.9	305.2	298.9	292.2	284.9	279.0	273.7	266.9	258.4	252.7
70°	376.8	368.9	360.9	352.5	343.4	334.1	328.5	323.8	317.4	308.8	303.7
67.5°	435.0	425.8	417.0	407.6	397.2	385.6	379.7	373.4	366.2	357.5	355.2
65°	491.6	481.7	473.4	463.5	452.1	439.5	434.4	427.4	418.5	409.1	407.7
62.5°	546.7	535.0	527.1	517.7	506.4	496.1	490.9	483.1	472.9	465.9	464.9
60°	602.5	592.3	583.6	573.1	560.6	552.6	548.2	540.2	528.5	525.7	524.5
57.5°	655.5	646.5	638.7	628.6	616.1	612.2	607.7	599.3	587.3	589.0	586.3
55°	705.7	698.9	692.5	683.0	671.6	672.8	669.3	660.9	653.8	656.0	652.7
52.5°	757.3	754.4	748.6	738.2	733.4	736.3	732.2	724.1	725.5	727.9	722.5
50°	817.9	816.2	810.2	800.1	802.9	805.5	802.2	792.1	801.7	803.9	796.8
47.5°	885.9	885.7	878.1	869.2	880.1	882.2	878.1	878.9	887.2	884.8	876.1
45°	965.0	965.7	958.0	959.2	966.9	968.6	960.7	975.2	980.5	975.6	960.0
42.5°	1060.8	1059.7	1050.9	1064.6	1069.0	1066.5	1069.1	1084.2	1084.4	1073.5	1074.3
40°	1181.1	1174.2	1176.1	1188.9	1190.8	1177.5	1201.7	1207.6	1202.3	1182.0	1210.5
37.5°	1333.9	1320.9	1337.2	1341.0	1335.0	1342.2	1359.5	1355.9	1333.2	1353.2	1370.9
35°	1527.2	1522.7	1538.3	1533.4	1509.6	1548.6	1553.8	1529.4	1521.1	1557.7	1555.5
32.5°	1768.8	1794.4	1791.6	1769.5	1784.1	1792.4	1781.0	1739.9	1792.5	1806.4	1774.2
30°	2129.0	2141.6	2114.1	2100.3	2126.0	2097.2	2038.2	2098.2	2121.1	2092.6	2021.4
27.5°	2619.9	2583.5	2533.4	2565.5	2535.5	2466.7	2487.6	2518.0	2491.5	2422.9	2342.1
25°	3244.6	3142.0	3167.4	3145.5	3046.5	3028.0	3058.8	3024.3	2928.5	2825.7	2938.9
22.5°	4029.4	3991.5	3949.9	3825.6	3795.4	3804.1	3729.8	3591.4	3507.1	3615.0	3618.5
20°	5084.1	5018.5	4875.5	4822.3	4795.4	4666.8	4480.1	4461.1	4549.4	4504.0	4367.5
17.5°	6349.7	6177.4	6147.6	6064.3	5905.9	5653.7	5749.3	5782.4	5698.2	5462.8	5176.1
15°	7714.2	7813.2	7727.1	7471.9	7320.9	7434.7	7378.9	7194.9	6939.5	6508.8	6020.9
12.5°	9953.5	9808.1	9445.2	9578.6	9541.0	9402.7	9120.7	8715.7	8185.5	7487.8	6785.0
10°	12552.4	12447.4	12341.8	12166.5	11878.0	11467.9	10782.7	10021.8	9229.7	8406.9	7553.1
7.5°	15938.9	15655.5	15294.5	14650.6	13845.7	13015.9	12147.2	11239.3	10272.0	9312.0	8314.3
5°	19020.0	18186.7	17336.6	16453.0	15477.2	14484.4	13482.2	12435.8	11296.1	10190.7	9052.3
2.5°	20962.3	20095.1	19158.2	18137.2	16881.2	15613.3	14345.6	13078.4	11721.5	10443.4	9166.1
0°	21825.8	20815.4	19658.3	18508.6	17255.5	15932.8	14514.1	13214.0	11825.4	10525.3	9230.8
-2.5°	20962.3	20095.1	19158.2	18137.2	16881.2	15613.3	14345.6	13078.4	11721.5	10443.4	9166.1
-5°	19020.0	18186.7	17336.6	16453.0	15477.2	14484.4	13482.2	12435.8	11296.1	10190.7	9052.3
-7.5°	15938.9	15655.5	15294.5	14650.6	13845.7	13015.9	12147.2	11239.3	10272.0	9312.0	8314.3
-10°	12552.4	12447.4	12341.8	12166.5	11878.0	11467.9	10782.7	10021.8	9229.7	8406.9	7553.1
-12.5°	9953.5	9808.1	9445.2	9578.6	9541.0	9402.7	9120.7	8715.7	8185.5	7487.8	6785.0
-15°	7714.2	7813.2	7727.1	7471.9	7320.9	7434.7	7378.9	7194.9	6939.5	6508.8	6020.9
-17.5°	6349.7	6177.4	6147.6	6064.3	5905.9	5653.7	5749.3	5782.4	5698.2	5462.8	5176.1
-20°	5084.1	5018.5	4875.5	4822.3	4795.4	4666.8	4480.1	4461.1	4549.4	4504.0	4367.5



REPORT NUMBER: P558950 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-930-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4029.4	3991.5	3949.9	3825.6	3795.4	3804.1	3729.8	3591.4	3507.1	3615.0	3618.5
-25°	3244.6	3142.0	3167.4	3145.5	3046.5	3028.0	3058.8	3024.3	2928.5	2825.7	2938.9
-27.5°	2619.9	2583.5	2533.4	2565.5	2535.5	2466.7	2487.6	2518.0	2491.5	2422.9	2342.1
-30°	2129.0	2141.6	2114.1	2100.3	2126.0	2097.2	2038.2	2098.2	2121.1	2092.6	2021.4
-32.5°	1768.8	1794.4	1791.6	1769.5	1784.1	1792.4	1781.0	1739.9	1792.5	1806.4	1774.2
-35°	1527.2	1522.7	1538.3	1533.4	1509.6	1548.6	1553.8	1529.4	1521.1	1557.7	1555.5
-37.5°	1333.9	1320.9	1337.2	1341.0	1335.0	1342.2	1359.5	1355.9	1333.2	1353.2	1370.9
-40°	1181.1	1174.2	1176.1	1188.9	1190.8	1177.5	1201.7	1207.6	1202.3	1182.0	1210.5
-42.5°	1060.8	1059.7	1050.9	1064.6	1069.0	1066.5	1069.1	1084.2	1084.4	1073.5	1074.3
-45°	965.0	965.7	958.0	959.2	966.9	968.6	960.7	975.2	980.5	975.6	960.0
-47.5°	885.9	885.7	878.1	869.2	880.1	882.2	878.1	878.9	887.2	884.8	876.1
-50°	817.9	816.2	810.2	800.1	802.9	805.5	802.2	792.1	801.7	803.9	796.8
-52.5°	757.3	754.4	748.6	738.2	733.4	736.3	732.2	724.1	725.5	727.9	722.5
-55°	705.7	698.9	692.5	683.0	671.6	672.8	669.3	660.9	653.8	656.0	652.7
-57.5°	655.5	646.5	638.7	628.6	616.1	612.2	607.7	599.3	587.3	589.0	586.3
-60°	602.5	592.3	583.6	573.1	560.6	552.6	548.2	540.2	528.5	525.7	524.5
-62.5°	546.7	535.0	527.1	517.7	506.4	496.1	490.9	483.1	472.9	465.9	464.9
-65°	491.6	481.7	473.4	463.5	452.1	439.5	434.4	427.4	418.5	409.1	407.7
-67.5°	435.0	425.8	417.0	407.6	397.2	385.6	379.7	373.4	366.2	357.5	355.2
-70°	376.8	368.9	360.9	352.5	343.4	334.1	328.5	323.8	317.4	308.8	303.7
-72.5°	318.4	311.9	305.2	298.9	292.2	284.9	279.0	273.7	266.9	258.4	252.7
-75°	260.1	255.2	250.3	245.6	240.3	234.4	228.8	223.6	217.5	210.3	204.6
-77.5°	202.9	200.0	196.7	193.1	188.9	184.1	179.1	174.7	169.9	164.4	159.7
-80°	151.0	149.3	147.3	144.5	141.0	136.9	132.4	129.1	125.2	121.4	118.4
-82.5°	105.4	104.3	102.9	100.2	97.3	94.3	91.2	89.6	87.7	85.6	83.2
-85°	61.8	60.9	59.9	59.0	58.1	57.1	56.0	55.2	54.0	52.5	50.7
-87.5°	23.9	23.9	23.8	24.6	25.3	25.8	26.2	25.4	24.5	23.6	22.6
-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: P558950 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-930-U-NAT-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°	21.9	21.2	20.3	19.4	18.5	17.4	16.3	15.1	14.0	12.9	11.6
85°	49.0	46.9	44.5	41.6	38.5	34.8	32.5	30.2	28.0	25.7	23.2
82.5°	81.0	78.4	75.4	72.0	69.0	64.9	59.9	53.8	46.9	39.4	34.7
80°	117.4	115.0	111.2	106.2	101.1	95.2	89.5	82.4	73.7	64.0	53.5
77.5°	157.6	154.3	149.5	144.2	137.6	130.0	121.4	111.6	100.4	88.7	75.8
75°	201.4	197.4	192.0	184.7	175.5	164.9	154.4	142.7	129.3	113.5	98.0
72.5°	249.1	243.5	236.0	226.2	215.4	203.0	188.8	174.0	159.0	141.3	121.0
70°	298.6	291.3	282.4	272.0	258.1	241.2	225.0	208.3	188.9	169.1	146.4
67.5°	349.8	341.6	330.7	319.0	304.4	285.6	262.5	243.7	222.9	197.0	171.8
65°	403.1	393.8	380.5	368.8	352.3	331.4	306.6	281.6	257.1	229.2	197.1
62.5°	459.1	448.7	436.0	420.9	401.9	379.0	351.6	324.9	292.9	261.5	225.4
60°	518.3	507.0	493.9	477.7	455.0	427.7	399.6	368.5	333.5	293.9	255.0
57.5°	579.4	567.1	556.3	537.4	511.8	480.0	449.7	415.6	374.3	330.3	284.6
55°	642.9	631.4	621.6	601.3	571.6	535.6	504.1	465.4	416.6	367.5	314.1
52.5°	710.7	702.6	690.8	668.2	635.5	597.2	565.8	516.5	464.4	404.6	347.1
50°	782.2	781.9	766.4	739.2	701.8	670.1	630.6	577.2	513.1	443.9	380.8
47.5°	870.3	869.1	850.8	815.3	772.5	748.6	704.0	641.1	562.6	488.7	414.6
45°	970.5	963.7	941.3	901.7	863.4	837.7	783.3	707.3	622.9	534.6	448.4
42.5°	1081.6	1069.6	1038.5	992.4	976.8	936.1	866.8	782.7	684.7	580.4	485.9
40°	1211.8	1186.4	1143.5	1120.1	1104.0	1042.9	963.2	862.0	747.7	629.4	525.6
37.5°	1355.8	1318.6	1261.3	1279.0	1245.4	1169.9	1066.3	944.0	813.7	685.0	564.8
35°	1524.3	1465.9	1467.3	1464.7	1407.5	1305.7	1174.8	1032.7	886.8	740.3	603.5
32.5°	1708.5	1693.3	1719.3	1677.3	1584.7	1449.9	1296.3	1130.3	960.9	795.2	641.4
30°	1970.1	2032.7	2005.0	1911.1	1780.5	1615.2	1426.6	1230.2	1035.6	849.6	680.6
27.5°	2421.2	2419.0	2326.8	2181.2	2000.1	1790.5	1558.6	1331.9	1110.6	906.4	724.8
25°	2930.4	2857.4	2698.8	2478.5	2233.1	1966.0	1692.5	1435.1	1192.2	967.8	767.8
22.5°	3511.9	3334.9	3102.1	2795.1	2463.5	2146.6	1835.3	1548.0	1276.6	1027.9	809.3
20°	4140.8	3844.2	3524.2	3105.5	2712.1	2343.1	1986.4	1659.8	1359.8	1086.5	849.1
17.5°	4814.2	4369.8	3926.1	3441.6	2973.1	2541.3	2137.2	1769.8	1441.2	1143.2	886.9
15°	5466.7	4895.3	4339.9	3780.1	3235.1	2739.1	2286.2	1877.1	1520.0	1197.4	916.7
12.5°	6109.8	5428.0	4759.5	4116.9	3495.1	2934.2	2431.7	1980.6	1595.5	1236.3	936.0
10°	6751.8	5960.6	5178.7	4448.0	3749.7	3124.1	2572.0	2061.3	1631.1	1261.1	952.1
7.5°	7384.0	6484.9	5590.8	4768.6	3969.0	3248.3	2631.9	2097.8	1654.5	1281.2	964.8
5°	7899.9	6827.1	5778.3	4863.7	4030.6	3297.6	2668.9	2126.1	1670.7	1296.3	974.0
2.5°	7969.6	6883.3	5806.2	4901.3	4071.8	3331.3	2693.5	2145.8	1679.9	1306.4	979.9
0°	7996.5	6901.5	5802.6	4912.7	4092.3	3349.1	2705.6	2156.2	1682.1	1311.4	982.2
-2.5°	7969.6	6883.3	5806.2	4901.3	4071.8	3331.3	2693.5	2145.8	1679.9	1306.4	979.9
-5°	7899.9	6827.1	5778.3	4863.7	4030.6	3297.6	2668.9	2126.1	1670.7	1296.3	974.0
-7.5°	7384.0	6484.9	5590.8	4768.6	3969.0	3248.3	2631.9	2097.8	1654.5	1281.2	964.8
-10°	6751.8	5960.6	5178.7	4448.0	3749.7	3124.1	2572.0	2061.3	1631.1	1261.1	952.1
-12.5°	6109.8	5428.0	4759.5	4116.9	3495.1	2934.2	2431.7	1980.6	1595.5	1236.3	936.0
-15°	5466.7	4895.3	4339.9	3780.1	3235.1	2739.1	2286.2	1877.1	1520.0	1197.4	916.7
-17.5°	4814.2	4369.8	3926.1	3441.6	2973.1	2541.3	2137.2	1769.8	1441.2	1143.2	886.9
-20°	4140.8	3844.2	3524.2	3105.5	2712.1	2343.1	1986.4	1659.8	1359.8	1086.5	849.1



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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°	3511.9	3334.9	3102.1	2795.1	2463.5	2146.6	1835.3	1548.0	1276.6	1027.9	809.3
-25°	2930.4	2857.4	2698.8	2478.5	2233.1	1966.0	1692.5	1435.1	1192.2	967.8	767.8
-27.5°	2421.2	2419.0	2326.8	2181.2	2000.1	1790.5	1558.6	1331.9	1110.6	906.4	724.8
-30°	1970.1	2032.7	2005.0	1911.1	1780.5	1615.2	1426.6	1230.2	1035.6	849.6	680.6
-32.5°	1708.5	1693.3	1719.3	1677.3	1584.7	1449.9	1296.3	1130.3	960.9	795.2	641.4
-35°	1524.3	1465.9	1467.3	1464.7	1407.5	1305.7	1174.8	1032.7	886.8	740.3	603.5
-37.5°	1355.8	1318.6	1261.3	1279.0	1245.4	1169.9	1066.3	944.0	813.7	685.0	564.8
-40°	1211.8	1186.4	1143.5	1120.1	1104.0	1042.9	963.2	862.0	747.7	629.4	525.6
-42.5°	1081.6	1069.6	1038.5	992.4	976.8	936.1	866.8	782.7	684.7	580.4	485.9
-45°	970.5	963.7	941.3	901.7	863.4	837.7	783.3	707.3	622.9	534.6	448.4
-47.5°	870.3	869.1	850.8	815.3	772.5	748.6	704.0	641.1	562.6	488.7	414.6
-50°	782.2	781.9	766.4	739.2	701.8	670.1	630.6	577.2	513.1	443.9	380.8
-52.5°	710.7	702.6	690.8	668.2	635.5	597.2	565.8	516.5	464.4	404.6	347.1
-55°	642.9	631.4	621.6	601.3	571.6	535.6	504.1	465.4	416.6	367.5	314.1
-57.5°	579.4	567.1	556.3	537.4	511.8	480.0	449.7	415.6	374.3	330.3	284.6
-60°	518.3	507.0	493.9	477.7	455.0	427.7	399.6	368.5	333.5	293.9	255.0
-62.5°	459.1	448.7	436.0	420.9	401.9	379.0	351.6	324.9	292.9	261.5	225.4
-65°	403.1	393.8	380.5	368.8	352.3	331.4	306.6	281.6	257.1	229.2	197.1
-67.5°	349.8	341.6	330.7	319.0	304.4	285.6	262.5	243.7	222.9	197.0	171.8
-70°	298.6	291.3	282.4	272.0	258.1	241.2	225.0	208.3	188.9	169.1	146.4
-72.5°	249.1	243.5	236.0	226.2	215.4	203.0	188.8	174.0	159.0	141.3	121.0
-75°	201.4	197.4	192.0	184.7	175.5	164.9	154.4	142.7	129.3	113.5	98.0
-77.5°	157.6	154.3	149.5	144.2	137.6	130.0	121.4	111.6	100.4	88.7	75.8
-80°	117.4	115.0	111.2	106.2	101.1	95.2	89.5	82.4	73.7	64.0	53.5
-82.5°	81.0	78.4	75.4	72.0	69.0	64.9	59.9	53.8	46.9	39.4	34.7
-85°	49.0	46.9	44.5	41.6	38.5	34.8	32.5	30.2	28.0	25.7	23.2
-87.5°	21.9	21.2	20.3	19.4	18.5	17.4	16.3	15.1	14.0	12.9	11.6
-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°	10.2	9.1	7.7	6.1	4.3	2.1	0.0
85°	20.4	18.1	15.3	12.1	8.5	4.3	0.0
82.5°	30.7	27.2	23.0	18.2	12.7	6.4	0.0
80°	42.1	36.2	30.6	24.2	17.0	8.5	0.0
77.5°	61.9	48.1	38.3	30.3	21.1	10.6	0.0
75°	81.7	65.1	47.0	36.2	25.3	12.7	0.0
72.5°	101.4	82.1	61.1	42.2	29.4	14.7	0.0
70°	121.4	99.0	75.0	49.0	33.4	16.7	0.0
67.5°	144.2	115.7	88.8	59.6	37.4	18.7	0.0
65°	167.0	133.9	102.4	70.1	41.3	20.7	0.0
62.5°	189.7	153.4	115.9	80.4	45.1	22.6	0.0
60°	212.2	172.8	129.1	90.6	48.9	24.4	0.0
57.5°	237.8	192.0	144.7	100.6	55.5	26.3	0.0
55°	263.5	211.0	160.3	110.4	62.0	28.0	0.0
52.5°	288.8	230.1	175.5	119.9	68.3	29.8	0.0
50°	313.7	251.1	190.4	129.3	74.5	31.4	0.0
47.5°	339.0	271.7	205.1	138.8	80.4	33.0	0.0
45°	368.2	291.7	219.4	149.6	86.2	34.6	0.0
42.5°	397.2	311.3	233.3	160.0	91.7	36.0	0.0
40°	426.0	330.4	247.6	169.7	97.0	37.5	0.0
37.5°	454.3	348.8	262.2	178.8	102.0	38.8	0.0
35°	482.3	369.8	276.3	187.2	106.8	40.1	0.0
32.5°	510.9	391.7	289.7	195.1	111.4	41.2	0.0
30°	541.5	412.9	302.5	202.4	115.7	42.3	0.0
27.5°	571.1	433.4	313.2	209.2	119.7	43.4	0.0
25°	599.5	453.0	323.0	215.3	123.4	44.3	0.0
22.5°	626.7	470.5	332.1	220.8	126.8	45.2	0.0
20°	652.5	483.9	340.5	225.6	129.9	45.9	0.0
17.5°	671.9	495.6	348.1	229.9	132.7	46.6	0.0
15°	686.4	505.7	354.8	233.6	135.2	47.2	0.0
12.5°	698.8	514.1	360.7	236.6	137.4	47.7	0.0
10°	709.1	521.0	365.7	239.0	139.2	48.2	0.0
7.5°	717.2	526.2	369.8	240.8	140.7	48.5	0.0
5°	723.1	529.9	373.0	242.0	141.8	48.7	0.0
2.5°	726.8	532.0	375.1	242.7	142.6	48.9	0.0
0°	728.2	532.5	376.3	242.7	143.0	48.9	0.0
-2.5°	726.8	532.0	375.1	242.7	142.6	48.9	0.0
-5°	723.1	529.9	373.0	242.0	141.8	48.7	0.0
-7.5°	717.2	526.2	369.8	240.8	140.7	48.5	0.0
-10°	709.1	521.0	365.7	239.0	139.2	48.2	0.0
-12.5°	698.8	514.1	360.7	236.6	137.4	47.7	0.0
-15°	686.4	505.7	354.8	233.6	135.2	47.2	0.0
-17.5°	671.9	495.6	348.1	229.9	132.7	46.6	0.0
-20°	652.5	483.9	340.5	225.6	129.9	45.9	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	626.7	470.5	332.1	220.8	126.8	45.2	0.0
-25°	599.5	453.0	323.0	215.3	123.4	44.3	0.0
-27.5°	571.1	433.4	313.2	209.2	119.7	43.4	0.0
-30°	541.5	412.9	302.5	202.4	115.7	42.3	0.0
-32.5°	510.9	391.7	289.7	195.1	111.4	41.2	0.0
-35°	482.3	369.8	276.3	187.2	106.8	40.1	0.0
-37.5°	454.3	348.8	262.2	178.8	102.0	38.8	0.0
-40°	426.0	330.4	247.6	169.7	97.0	37.5	0.0
-42.5°	397.2	311.3	233.3	160.0	91.7	36.0	0.0
-45°	368.2	291.7	219.4	149.6	86.2	34.6	0.0
-47.5°	339.0	271.7	205.1	138.8	80.4	33.0	0.0
-50°	313.7	251.1	190.4	129.3	74.5	31.4	0.0
-52.5°	288.8	230.1	175.5	119.9	68.3	29.8	0.0
-55°	263.5	211.0	160.3	110.4	62.0	28.0	0.0
-57.5°	237.8	192.0	144.7	100.6	55.5	26.3	0.0
-60°	212.2	172.8	129.1	90.6	48.9	24.4	0.0
-62.5°	189.7	153.4	115.9	80.4	45.1	22.6	0.0
-65°	167.0	133.9	102.4	70.1	41.3	20.7	0.0
-67.5°	144.2	115.7	88.8	59.6	37.4	18.7	0.0
-70°	121.4	99.0	75.0	49.0	33.4	16.7	0.0
-72.5°	101.4	82.1	61.1	42.2	29.4	14.7	0.0
-75°	81.7	65.1	47.0	36.2	25.3	12.7	0.0
-77.5°	61.9	48.1	38.3	30.3	21.1	10.6	0.0
-80°	42.1	36.2	30.6	24.2	17.0	8.5	0.0
-82.5°	30.7	27.2	23.0	18.2	12.7	6.4	0.0
-85°	20.4	18.1	15.3	12.1	8.5	4.3	0.0
-87.5°	10.2	9.1	7.7	6.1	4.3	2.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)