

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: P559078 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559078 (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-SA5D-930-U-NAT-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQUARE, NARROW ASYMMETRICAL RECTANGULAR 6x4  
Light Source: (80) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

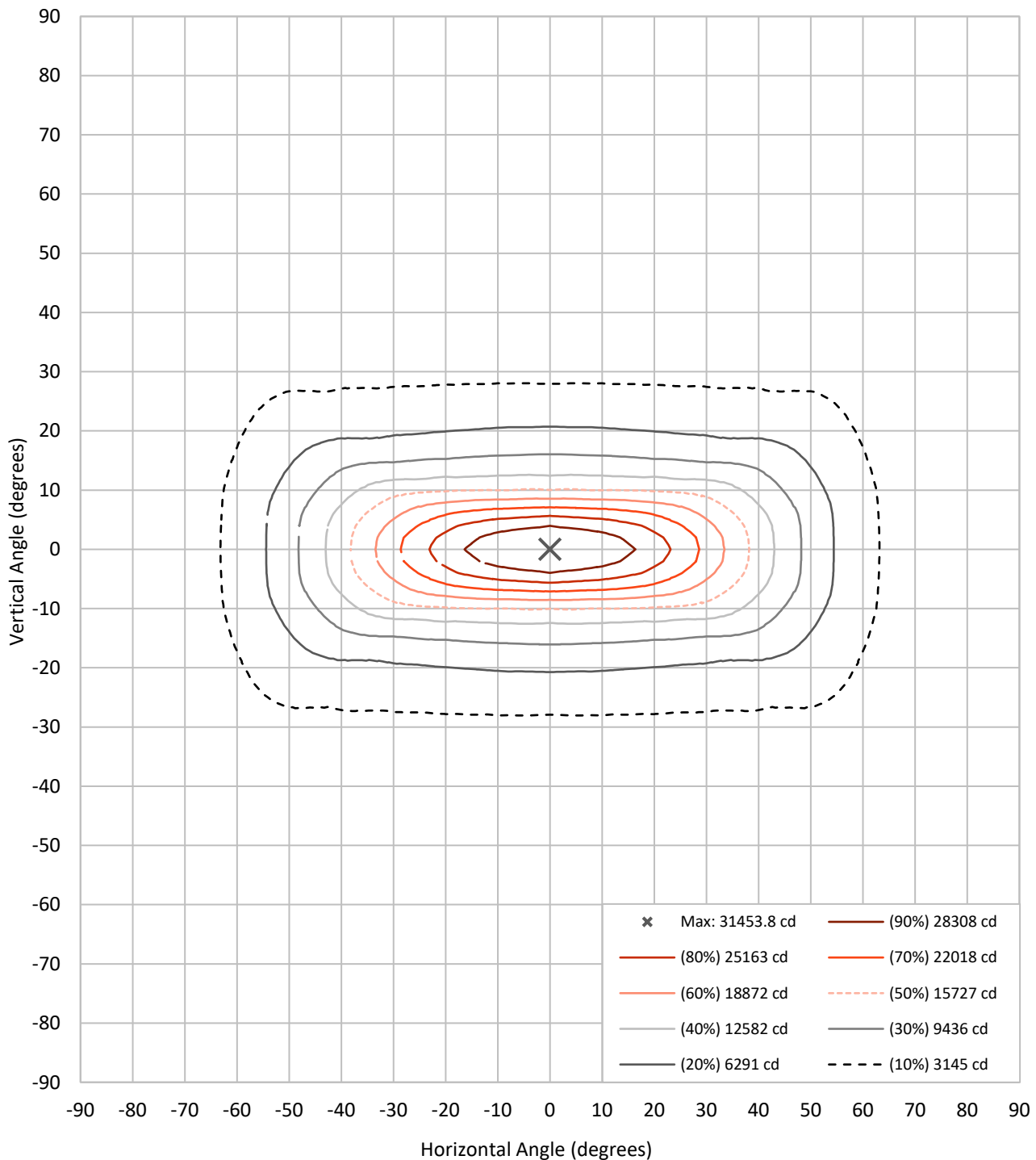
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	22526.6 lumens	Max Intensity:	31453.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	84.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	9012.8 lumens	Field Lumens:	18462.9 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

Input Watts (W): 266  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Candela Plot





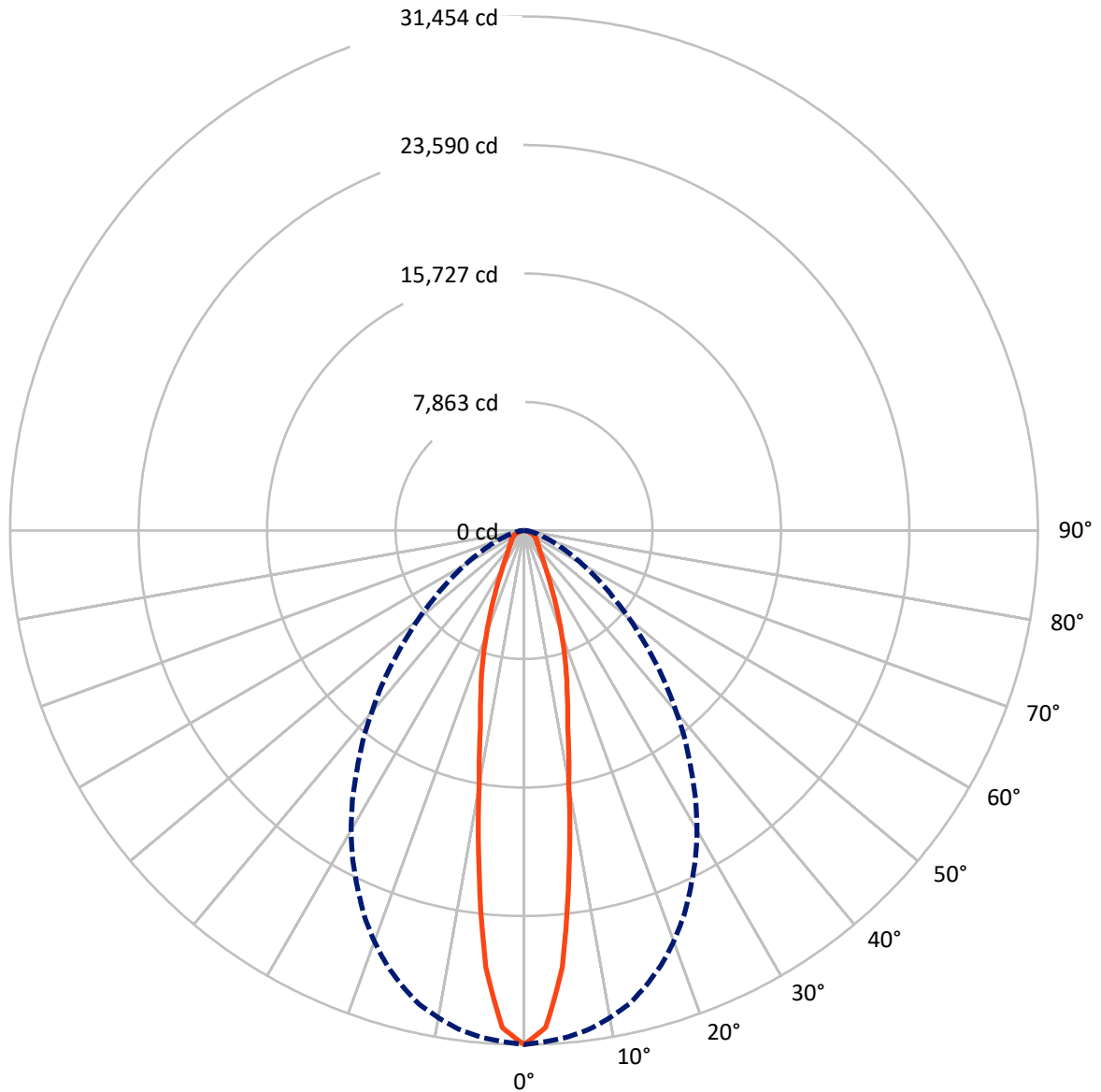
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### Lumen Table

90																			
80	1.2	7.8		15.8		22.8		25.8		22.8		15.8		7.8		1.2			
70																			
60	4.8	4.5	7.9	10.8	13.3	16.0	18.3	19.6	19.6	18.3	16.0	13.3	10.8	7.9	4.5	4.8			
50		7.4	12.8	17.2	20.5	23.4	26.1	27.6	27.6	26.1	23.4	20.5	17.2	12.8	7.4				
40	9.7	11.2	19.6	25.9	30.0	32.9	35.4	36.8	36.8	35.4	32.9	30.0	25.9	19.6	11.2	9.7			
30		16.6	31.3	41.3	48.2	53.2	56.9	58.5	58.5	56.9	53.2	48.2	41.3	31.3	16.6				
20	14.9	23.3	53.3	79.4	95.9	111.2	123.9	131.1	131.1	123.9	111.2	95.9	79.4	53.3	23.3	14.9			
10		30.8	82.1	158.0	227.2	270.8	301.5	319.0	319.0	301.5	270.8	227.2	158.0	82.1	30.8				
0	17.0	35.3	105.4	232.8	402.7	571.2	695.1	760.3	760.3	695.1	571.2	402.7	232.8	105.4	35.3	17.0			
-10		35.3	105.4	232.8	402.7	571.2	695.1	760.3	760.3	695.1	571.2	402.7	232.8	105.4	35.3				
-20	14.9	30.8	82.1	158.0	227.2	270.8	301.5	319.0	319.0	301.5	270.8	227.2	158.0	82.1	30.8	14.9			
-30		23.3	53.3	79.4	95.9	111.2	123.9	131.1	131.1	123.9	111.2	95.9	79.4	53.3	23.3				
-40	9.7	16.6	31.3	41.3	48.2	53.2	56.9	58.5	58.5	56.9	53.2	48.2	41.3	31.3	16.6	9.7			
-50		11.2	19.6	25.9	30.0	32.9	35.4	36.8	36.8	35.4	32.9	30.0	25.9	19.6	11.2				
-60	4.8	7.4	12.8	17.2	20.5	23.4	26.1	27.6	27.6	26.1	23.4	20.5	17.2	12.8	7.4	4.8			
-70		4.5	7.9	10.8	13.3	16.0	18.3	19.6	19.6	18.3	16.0	13.3	10.8	7.9	4.5				
-80	1.2	7.8		15.8		22.8		25.8		22.8		15.8		7.8		1.2			
-90																			

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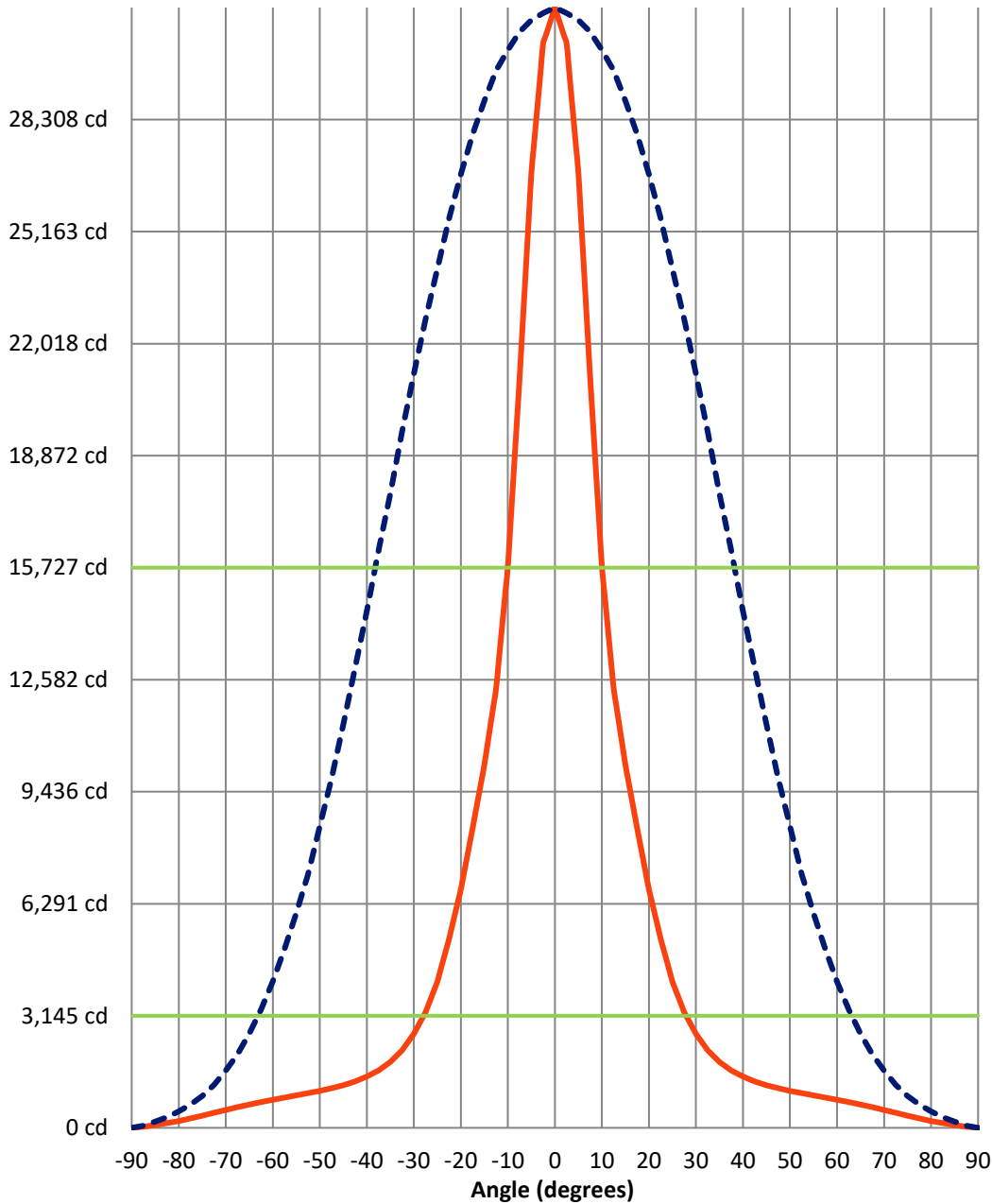
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 76.4°  
 V Angle: 20°  
 Lumens: 9012.8  
 Efficiency: 40.0%

**Field:**  
 H Angle: 126.3°  
 V Angle: 55.8°  
 Lumens: 18462.9  
 Efficiency: 82.0%

**Spill:**  
 Lumens: 4063.7  
 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	2.6	5.2	7.5	9.4	11.1	12.6	14.2	15.8	17.2	18.6
85°	0.0	5.2	10.4	14.9	18.8	22.2	25.1	28.5	31.6	34.5	37.1
82.5°	0.0	7.8	15.6	22.3	28.2	33.3	37.7	42.7	48.4	57.6	66.0
80°	0.0	10.4	20.8	29.7	37.6	44.4	51.6	65.6	78.6	90.4	101.0
77.5°	0.0	13.0	25.9	37.1	47.0	59.0	75.9	92.9	108.7	123.1	136.8
75°	0.0	15.5	31.0	44.5	57.7	79.9	100.2	120.2	139.2	158.5	175.0
72.5°	0.0	18.0	36.0	51.8	74.9	100.7	124.3	148.3	173.3	195.0	213.4
70°	0.0	20.5	41.0	60.1	92.0	121.4	148.8	179.6	207.4	231.7	255.5
67.5°	0.0	23.0	45.9	73.1	108.9	141.9	176.9	210.7	241.7	273.4	298.9
65°	0.0	25.4	50.7	86.0	125.6	164.2	204.8	241.7	281.1	315.4	345.5
62.5°	0.0	27.7	55.4	98.7	142.1	188.2	232.7	276.5	320.8	359.2	398.5
60°	0.0	30.0	59.9	111.1	158.4	212.0	260.3	312.8	360.6	409.1	452.0
57.5°	0.0	32.2	68.1	123.4	177.5	235.5	291.7	349.1	405.1	459.1	509.8
55°	0.0	34.4	76.0	135.4	196.6	258.8	323.2	385.3	450.8	511.0	570.9
52.5°	0.0	36.5	83.8	147.1	215.3	282.3	354.2	425.8	496.4	569.7	633.5
50°	0.0	38.6	91.3	158.5	233.6	308.0	384.8	467.1	544.6	629.5	708.0
47.5°	0.0	40.5	98.6	170.3	251.6	333.2	415.8	508.6	599.5	690.1	786.4
45°	0.0	42.4	105.7	183.4	269.1	357.9	451.7	550.1	655.8	764.1	867.6
42.5°	0.0	44.2	112.5	196.2	286.2	381.9	487.3	596.1	712.0	839.9	960.1
40°	0.0	46.0	119.0	208.2	303.8	405.2	522.5	644.8	772.1	917.2	1057.4
37.5°	0.0	47.6	125.2	219.3	321.7	427.9	557.3	692.9	840.2	998.2	1158.0
35°	0.0	49.1	131.1	229.7	338.9	453.6	591.6	740.3	908.1	1087.8	1266.8
32.5°	0.0	50.6	136.6	239.4	355.4	480.5	626.7	786.8	975.5	1178.7	1386.6
30°	0.0	52.0	141.9	248.3	371.1	506.5	664.2	834.8	1042.2	1270.3	1509.1
27.5°	0.0	53.2	146.8	256.6	384.2	531.6	700.5	889.1	1111.9	1362.4	1633.8
25°	0.0	54.4	151.4	264.1	396.3	555.7	735.3	941.8	1187.1	1462.5	1760.4
22.5°	0.0	55.4	155.5	270.8	407.4	577.2	768.7	992.7	1260.9	1566.0	1898.9
20°	0.0	56.4	159.4	276.8	417.7	593.5	800.3	1041.5	1332.8	1668.1	2036.1
17.5°	0.0	57.2	162.8	282.0	427.0	607.9	824.2	1087.9	1402.3	1767.9	2171.0
15°	0.0	58.0	165.8	286.5	435.2	620.3	842.0	1124.4	1468.8	1864.5	2302.6
12.5°	0.0	58.6	168.5	290.2	442.5	630.6	857.2	1148.2	1516.4	1957.1	2429.5
10°	0.0	59.1	170.7	293.2	448.6	639.0	869.8	1167.9	1546.9	2000.8	2528.5
7.5°	0.0	59.5	172.5	295.4	453.6	645.5	879.8	1183.4	1571.5	2029.6	2573.3
5°	0.0	59.8	173.9	296.9	457.5	650.0	887.0	1194.8	1590.1	2049.5	2608.1
2.5°	0.0	59.9	174.9	297.7	460.2	652.5	891.5	1201.9	1602.6	2060.7	2632.2
0°	0.0	60.0	175.4	297.7	461.6	653.2	893.2	1204.8	1608.7	2063.4	2645.0
-2.5°	0.0	59.9	174.9	297.7	460.2	652.5	891.5	1201.9	1602.6	2060.7	2632.2
-5°	0.0	59.8	173.9	296.9	457.5	650.0	887.0	1194.8	1590.1	2049.5	2608.1
-7.5°	0.0	59.5	172.5	295.4	453.6	645.5	879.8	1183.4	1571.5	2029.6	2573.3
-10°	0.0	59.1	170.7	293.2	448.6	639.0	869.8	1167.9	1546.9	2000.8	2528.5
-12.5°	0.0	58.6	168.5	290.2	442.5	630.6	857.2	1148.2	1516.4	1957.1	2429.5
-15°	0.0	58.0	165.8	286.5	435.2	620.3	842.0	1124.4	1468.8	1864.5	2302.6
-17.5°	0.0	57.2	162.8	282.0	427.0	607.9	824.2	1087.9	1402.3	1767.9	2171.0
-20°	0.0	56.4	159.4	276.8	417.7	593.5	800.3	1041.5	1332.8	1668.1	2036.1



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	55.4	155.5	270.8	407.4	577.2	768.7	992.7	1260.9	1566.0	1898.9
-25°	0.0	54.4	151.4	264.1	396.3	555.7	735.3	941.8	1187.1	1462.5	1760.4
-27.5°	0.0	53.2	146.8	256.6	384.2	531.6	700.5	889.1	1111.9	1362.4	1633.8
-30°	0.0	52.0	141.9	248.3	371.1	506.5	664.2	834.8	1042.2	1270.3	1509.1
-32.5°	0.0	50.6	136.6	239.4	355.4	480.5	626.7	786.8	975.5	1178.7	1386.6
-35°	0.0	49.1	131.1	229.7	338.9	453.6	591.6	740.3	908.1	1087.8	1266.8
-37.5°	0.0	47.6	125.2	219.3	321.7	427.9	557.3	692.9	840.2	998.2	1158.0
-40°	0.0	46.0	119.0	208.2	303.8	405.2	522.5	644.8	772.1	917.2	1057.4
-42.5°	0.0	44.2	112.5	196.2	286.2	381.9	487.3	596.1	712.0	839.9	960.1
-45°	0.0	42.4	105.7	183.4	269.1	357.9	451.7	550.1	655.8	764.1	867.6
-47.5°	0.0	40.5	98.6	170.3	251.6	333.2	415.8	508.6	599.5	690.1	786.4
-50°	0.0	38.6	91.3	158.5	233.6	308.0	384.8	467.1	544.6	629.5	708.0
-52.5°	0.0	36.5	83.8	147.1	215.3	282.3	354.2	425.8	496.4	569.7	633.5
-55°	0.0	34.4	76.0	135.4	196.6	258.8	323.2	385.3	450.8	511.0	570.9
-57.5°	0.0	32.2	68.1	123.4	177.5	235.5	291.7	349.1	405.1	459.1	509.8
-60°	0.0	30.0	59.9	111.1	158.4	212.0	260.3	312.8	360.6	409.1	452.0
-62.5°	0.0	27.7	55.4	98.7	142.1	188.2	232.7	276.5	320.8	359.2	398.5
-65°	0.0	25.4	50.7	86.0	125.6	164.2	204.8	241.7	281.1	315.4	345.5
-67.5°	0.0	23.0	45.9	73.1	108.9	141.9	176.9	210.7	241.7	273.4	298.9
-70°	0.0	20.5	41.0	60.1	92.0	121.4	148.8	179.6	207.4	231.7	255.5
-72.5°	0.0	18.0	36.0	51.8	74.9	100.7	124.3	148.3	173.3	195.0	213.4
-75°	0.0	15.5	31.0	44.5	57.7	79.9	100.2	120.2	139.2	158.5	175.0
-77.5°	0.0	13.0	25.9	37.1	47.0	59.0	75.9	92.9	108.7	123.1	136.8
-80°	0.0	10.4	20.8	29.7	37.6	44.4	51.6	65.6	78.6	90.4	101.0
-82.5°	0.0	7.8	15.6	22.3	28.2	33.3	37.7	42.7	48.4	57.6	66.0
-85°	0.0	5.2	10.4	14.9	18.8	22.2	25.1	28.5	31.6	34.5	37.1
-87.5°	0.0	2.6	5.2	7.5	9.4	11.1	12.6	14.2	15.8	17.2	18.6
-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):**

	-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°	20.0	21.3	22.6	23.8	24.9	25.9	26.9	27.7	28.9	30.0	31.1
85°	40.0	42.7	47.2	51.0	54.5	57.5	60.1	62.2	64.4	66.2	67.7
82.5°	73.5	79.6	84.6	88.3	92.5	96.2	99.3	102.0	105.0	107.6	109.9
80°	109.8	116.8	124.0	130.3	136.5	141.1	143.9	145.1	148.8	153.5	158.3
77.5°	148.9	159.5	168.8	176.9	183.5	189.2	193.4	195.9	201.7	208.4	214.2
75°	189.4	202.3	215.3	226.6	235.6	242.2	247.0	251.0	258.0	266.8	274.3
72.5°	231.6	249.0	264.3	277.5	289.5	298.8	305.6	310.1	317.1	327.4	335.8
70°	276.0	295.9	316.7	333.7	346.5	357.3	366.3	372.5	378.9	389.4	397.2
67.5°	321.9	350.4	373.4	391.4	405.7	419.0	429.1	435.8	438.6	449.2	458.1
65°	376.1	406.5	432.2	452.4	466.6	483.1	494.4	500.1	501.9	513.4	524.3
62.5°	431.3	465.0	493.0	516.2	534.8	550.4	563.1	570.3	571.5	580.1	592.6
60°	490.2	524.7	558.1	586.0	605.9	621.9	635.8	643.4	644.9	648.3	662.6
57.5°	551.6	588.8	627.8	659.2	682.4	695.7	710.8	719.1	722.5	720.4	735.1
55°	618.4	657.1	701.1	737.6	762.5	774.5	788.6	800.6	804.7	802.0	810.8
52.5°	694.1	732.6	779.6	819.7	847.4	861.9	871.8	886.3	892.9	889.9	888.2
50°	773.6	822.0	860.9	906.8	940.2	959.2	959.5	977.5	986.1	983.5	971.6
47.5°	863.6	918.3	947.6	1000.2	1043.6	1066.1	1067.6	1074.7	1085.4	1088.3	1078.1
45°	960.9	1027.5	1059.1	1106.1	1154.8	1182.2	1190.5	1177.6	1196.8	1202.7	1196.3
42.5°	1063.3	1148.4	1198.3	1217.3	1274.0	1312.1	1326.8	1317.7	1316.8	1330.1	1329.9
40°	1181.6	1279.3	1354.3	1374.1	1402.7	1455.3	1486.5	1484.8	1449.9	1474.8	1481.3
37.5°	1308.1	1435.1	1527.7	1568.9	1547.2	1617.4	1663.1	1681.6	1659.9	1635.3	1663.3
35°	1441.1	1601.7	1726.5	1796.7	1799.8	1798.2	1869.8	1908.1	1910.7	1865.9	1876.0
32.5°	1590.1	1778.6	1943.9	2057.5	2109.0	2077.2	2095.8	2176.4	2215.8	2198.7	2134.2
30°	1750.0	1981.3	2184.1	2344.2	2459.5	2493.5	2416.7	2479.5	2567.0	2601.9	2573.8
27.5°	1911.9	2196.4	2453.5	2675.6	2854.2	2967.4	2970.0	2872.9	2972.1	3056.3	3088.7
25°	2076.2	2411.6	2739.3	3040.3	3310.5	3505.1	3594.6	3605.0	3466.3	3592.4	3709.8
22.5°	2251.3	2633.1	3021.9	3428.7	3805.3	4090.9	4307.9	4438.7	4434.4	4302.1	4405.4
20°	2436.7	2874.2	3326.9	3809.4	4323.0	4715.6	5079.3	5357.5	5525.0	5580.6	5472.3
17.5°	2621.6	3117.3	3647.0	4221.8	4816.0	5360.3	5905.4	6349.3	6701.0	6989.8	7093.1
15°	2804.4	3359.9	3968.5	4637.0	5323.6	6004.9	6705.8	7385.6	7984.1	8512.5	8825.8
12.5°	2982.8	3599.2	4287.4	5050.2	5838.3	6658.4	7494.7	8322.9	9185.1	10041.0	10691.3
10°	3154.9	3832.2	4599.7	5456.3	6352.5	7311.7	8282.3	9265.2	10312.6	11321.9	12293.5
7.5°	3228.5	3984.6	4868.7	5849.6	6858.1	7954.9	9057.8	10198.9	11422.7	12600.5	13787.0
5°	3273.9	4045.0	4944.3	5966.2	7088.1	8374.6	9690.7	11104.2	12500.6	13856.6	15254.7
2.5°	3304.0	4086.4	4994.8	6012.3	7122.4	8443.6	9776.1	11243.8	12810.7	14378.5	16043.0
0°	3318.9	4108.3	5020.0	6026.3	7118.0	8465.9	9809.1	11323.2	12911.1	14506.0	16209.3
-2.5°	3304.0	4086.4	4994.8	6012.3	7122.4	8443.6	9776.1	11243.8	12810.7	14378.5	16043.0
-5°	3273.9	4045.0	4944.3	5966.2	7088.1	8374.6	9690.7	11104.2	12500.6	13856.6	15254.7
-7.5°	3228.5	3984.6	4868.7	5849.6	6858.1	7954.9	9057.8	10198.9	11422.7	12600.5	13787.0
-10°	3154.9	3832.2	4599.7	5456.3	6352.5	7311.7	8282.3	9265.2	10312.6	11321.9	12293.5
-12.5°	2982.8	3599.2	4287.4	5050.2	5838.3	6658.4	7494.7	8322.9	9185.1	10041.0	10691.3
-15°	2804.4	3359.9	3968.5	4637.0	5323.6	6004.9	6705.8	7385.6	7984.1	8512.5	8825.8
-17.5°	2621.6	3117.3	3647.0	4221.8	4816.0	5360.3	5905.4	6349.3	6701.0	6989.8	7093.1
-20°	2436.7	2874.2	3326.9	3809.4	4323.0	4715.6	5079.3	5357.5	5525.0	5580.6	5472.3



REPORT NUMBER: P559078 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	2251.3	2633.1	3021.9	3428.7	3805.3	4090.9	4307.9	4438.7	4434.4	4302.1	4405.4
-25°	2076.2	2411.6	2739.3	3040.3	3310.5	3505.1	3594.6	3605.0	3466.3	3592.4	3709.8
-27.5°	1911.9	2196.4	2453.5	2675.6	2854.2	2967.4	2970.0	2872.9	2972.1	3056.3	3088.7
-30°	1750.0	1981.3	2184.1	2344.2	2459.5	2493.5	2416.7	2479.5	2567.0	2601.9	2573.8
-32.5°	1590.1	1778.6	1943.9	2057.5	2109.0	2077.2	2095.8	2176.4	2215.8	2198.7	2134.2
-35°	1441.1	1601.7	1726.5	1796.7	1799.8	1798.2	1869.8	1908.1	1910.7	1865.9	1876.0
-37.5°	1308.1	1435.1	1527.7	1568.9	1547.2	1617.4	1663.1	1681.6	1659.9	1635.3	1663.3
-40°	1181.6	1279.3	1354.3	1374.1	1402.7	1455.3	1486.5	1484.8	1449.9	1474.8	1481.3
-42.5°	1063.3	1148.4	1198.3	1217.3	1274.0	1312.1	1326.8	1317.7	1316.8	1330.1	1329.9
-45°	960.9	1027.5	1059.1	1106.1	1154.8	1182.2	1190.5	1177.6	1196.8	1202.7	1196.3
-47.5°	863.6	918.3	947.6	1000.2	1043.6	1066.1	1067.6	1074.7	1085.4	1088.3	1078.1
-50°	773.6	822.0	860.9	906.8	940.2	959.2	959.5	977.5	986.1	983.5	971.6
-52.5°	694.1	732.6	779.6	819.7	847.4	861.9	871.8	886.3	892.9	889.9	888.2
-55°	618.4	657.1	701.1	737.6	762.5	774.5	788.6	800.6	804.7	802.0	810.8
-57.5°	551.6	588.8	627.8	659.2	682.4	695.7	710.8	719.1	722.5	720.4	735.1
-60°	490.2	524.7	558.1	586.0	605.9	621.9	635.8	643.4	644.9	648.3	662.6
-62.5°	431.3	465.0	493.0	516.2	534.8	550.4	563.1	570.3	571.5	580.1	592.6
-65°	376.1	406.5	432.2	452.4	466.6	483.1	494.4	500.1	501.9	513.4	524.3
-67.5°	321.9	350.4	373.4	391.4	405.7	419.0	429.1	435.8	438.6	449.2	458.1
-70°	276.0	295.9	316.7	333.7	346.5	357.3	366.3	372.5	378.9	389.4	397.2
-72.5°	231.6	249.0	264.3	277.5	289.5	298.8	305.6	310.1	317.1	327.4	335.8
-75°	189.4	202.3	215.3	226.6	235.6	242.2	247.0	251.0	258.0	266.8	274.3
-77.5°	148.9	159.5	168.8	176.9	183.5	189.2	193.4	195.9	201.7	208.4	214.2
-80°	109.8	116.8	124.0	130.3	136.5	141.1	143.9	145.1	148.8	153.5	158.3
-82.5°	73.5	79.6	84.6	88.3	92.5	96.2	99.3	102.0	105.0	107.6	109.9
-85°	40.0	42.7	47.2	51.0	54.5	57.5	60.1	62.2	64.4	66.2	67.7
-87.5°	20.0	21.3	22.6	23.8	24.9	25.9	26.9	27.7	28.9	30.0	31.1
-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: P559078 (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°
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°	32.1	31.6	31.0	30.2	29.3	29.3	29.3	29.2	29.0	28.7	28.4
85°	68.7	70.0	71.3	72.5	73.6	74.8	75.8	76.7	77.3	77.3	77.0
82.5°	111.9	115.6	119.4	122.9	126.2	128.0	129.3	130.1	130.6	131.6	132.5
80°	162.4	167.9	173.0	177.2	180.6	183.2	185.2	186.9	188.1	189.4	190.4
77.5°	219.7	225.8	231.7	236.8	241.2	245.4	248.9	251.7	253.7	256.9	259.9
75°	280.6	287.6	294.8	301.3	307.1	313.1	319.1	324.6	329.5	333.6	336.7
72.5°	342.2	349.5	358.5	366.7	374.4	382.6	390.6	397.7	403.8	409.6	414.7
70°	403.1	409.9	421.3	432.4	442.7	452.5	462.2	470.9	478.6	486.1	492.8
67.5°	465.8	473.0	487.2	500.0	511.5	522.3	533.6	543.6	552.4	560.3	567.1
65°	532.9	539.2	554.6	568.6	580.7	590.8	603.0	614.0	623.9	632.5	639.8
62.5°	602.2	608.5	621.2	635.0	646.6	656.3	670.6	683.1	693.5	702.3	709.6
60°	672.5	677.9	687.7	703.0	715.9	726.5	739.1	751.2	761.4	770.0	777.8
57.5°	745.5	751.0	755.8	771.0	783.5	793.1	804.2	816.0	825.9	834.0	842.0
55°	821.0	825.2	823.8	837.9	849.5	857.4	865.6	878.1	887.9	895.2	902.5
52.5°	898.2	903.2	899.7	905.7	918.4	925.5	929.0	942.5	952.6	959.1	965.7
50°	984.1	988.1	985.0	981.6	993.9	1001.3	1003.3	1014.1	1023.3	1028.3	1033.1
47.5°	1077.2	1082.1	1079.7	1066.2	1077.2	1086.5	1086.7	1091.4	1100.9	1104.7	1107.6
45°	1178.4	1188.1	1186.0	1176.7	1175.2	1184.7	1183.7	1180.0	1190.9	1195.8	1197.4
42.5°	1311.5	1308.3	1311.3	1305.9	1289.1	1299.9	1301.2	1287.6	1301.3	1307.2	1303.8
40°	1474.1	1444.4	1460.8	1458.4	1442.7	1440.3	1448.8	1437.7	1439.8	1448.2	1441.7
37.5°	1667.7	1646.5	1637.6	1644.9	1640.4	1620.3	1636.3	1632.4	1619.7	1634.0	1627.7
35°	1906.0	1899.6	1851.8	1880.9	1887.0	1867.9	1873.4	1881.7	1854.3	1875.8	1873.6
32.5°	2184.6	2198.8	2188.5	2170.6	2197.7	2201.2	2169.7	2207.5	2192.3	2197.7	2212.6
30°	2500.2	2572.6	2607.9	2576.3	2593.3	2627.0	2611.6	2637.8	2650.4	2630.7	2667.9
27.5°	3051.5	3025.8	3110.3	3147.0	3107.7	3169.1	3213.8	3194.0	3259.3	3220.7	3275.9
25°	3752.1	3714.4	3737.0	3858.4	3885.4	3854.2	3980.0	3994.8	4046.6	4052.9	4091.4
22.5°	4575.3	4666.4	4655.8	4692.7	4845.2	4896.3	4942.7	5063.7	5036.1	5145.8	5164.8
20°	5495.6	5724.6	5882.4	5915.5	5980.7	6156.1	6236.6	6332.0	6396.1	6499.9	6587.8
17.5°	7052.6	6935.2	7244.6	7439.0	7541.2	7577.7	7789.0	7857.8	8016.5	8107.2	8197.2
15°	9051.6	9120.0	8980.3	9165.6	9478.6	9584.3	9462.7	9746.5	9826.3	9979.0	10006.0
12.5°	11188.2	11534.1	11703.7	11749.7	11586.2	12031.4	12209.7	11985.9	12239.8	12194.0	12403.0
10°	13226.9	14067.3	14570.4	14924.2	15139.4	15268.9	15397.7	15629.1	15633.1	15804.5	15704.4
7.5°	14900.8	15966.2	16984.1	17971.6	18761.4	19204.2	19551.9	19885.4	20330.4	20543.4	20681.9
5°	16538.3	17767.6	18985.5	20182.5	21266.4	22309.2	23331.3	24217.8	24687.7	25236.7	25726.2
2.5°	17597.4	19152.4	20707.8	22248.5	23500.9	24650.2	25713.8	26701.9	27568.6	28370.4	29047.4
0°	17804.1	19544.4	21166.9	22704.1	24114.3	25533.7	26773.1	27890.2	28834.2	29685.9	30260.6
-2.5°	17597.4	19152.4	20707.8	22248.5	23500.9	24650.2	25713.8	26701.9	27568.6	28370.4	29047.4
-5°	16538.3	17767.6	18985.5	20182.5	21266.4	22309.2	23331.3	24217.8	24687.7	25236.7	25726.2
-7.5°	14900.8	15966.2	16984.1	17971.6	18761.4	19204.2	19551.9	19885.4	20330.4	20543.4	20681.9
-10°	13226.9	14067.3	14570.4	14924.2	15139.4	15268.9	15397.7	15629.1	15633.1	15804.5	15704.4
-12.5°	11188.2	11534.1	11703.7	11749.7	11586.2	12031.4	12209.7	11985.9	12239.8	12194.0	12403.0
-15°	9051.6	9120.0	8980.3	9165.6	9478.6	9584.3	9462.7	9746.5	9826.3	9979.0	10006.0
-17.5°	7052.6	6935.2	7244.6	7439.0	7541.2	7577.7	7789.0	7857.8	8016.5	8107.2	8197.2
-20°	5495.6	5724.6	5882.4	5915.5	5980.7	6156.1	6236.6	6332.0	6396.1	6499.9	6587.8



REPORT NUMBER: P559078 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4575.3	4666.4	4655.8	4692.7	4845.2	4896.3	4942.7	5063.7	5036.1	5145.8	5164.8
-25°	3752.1	3714.4	3737.0	3858.4	3885.4	3854.2	3980.0	3994.8	4046.6	4052.9	4091.4
-27.5°	3051.5	3025.8	3110.3	3147.0	3107.7	3169.1	3213.8	3194.0	3259.3	3220.7	3275.9
-30°	2500.2	2572.6	2607.9	2576.3	2593.3	2627.0	2611.6	2637.8	2650.4	2630.7	2667.9
-32.5°	2184.6	2198.8	2188.5	2170.6	2197.7	2201.2	2169.7	2207.5	2192.3	2197.7	2212.6
-35°	1906.0	1899.6	1851.8	1880.9	1887.0	1867.9	1873.4	1881.7	1854.3	1875.8	1873.6
-37.5°	1667.7	1646.5	1637.6	1644.9	1640.4	1620.3	1636.3	1632.4	1619.7	1634.0	1627.7
-40°	1474.1	1444.4	1460.8	1458.4	1442.7	1440.3	1448.8	1437.7	1439.8	1448.2	1441.7
-42.5°	1311.5	1308.3	1311.3	1305.9	1289.1	1299.9	1301.2	1287.6	1301.3	1307.2	1303.8
-45°	1178.4	1188.1	1186.0	1176.7	1175.2	1184.7	1183.7	1180.0	1190.9	1195.8	1197.4
-47.5°	1077.2	1082.1	1079.7	1066.2	1077.2	1086.5	1086.7	1091.4	1100.9	1104.7	1107.6
-50°	984.1	988.1	985.0	981.6	993.9	1001.3	1003.3	1014.1	1023.3	1028.3	1033.1
-52.5°	898.2	903.2	899.7	905.7	918.4	925.5	929.0	942.5	952.6	959.1	965.7
-55°	821.0	825.2	823.8	837.9	849.5	857.4	865.6	878.1	887.9	895.2	902.5
-57.5°	745.5	751.0	755.8	771.0	783.5	793.1	804.2	816.0	825.9	834.0	842.0
-60°	672.5	677.9	687.7	703.0	715.9	726.5	739.1	751.2	761.4	770.0	777.8
-62.5°	602.2	608.5	621.2	635.0	646.6	656.3	670.6	683.1	693.5	702.3	709.6
-65°	532.9	539.2	554.6	568.6	580.7	590.8	603.0	614.0	623.9	632.5	639.8
-67.5°	465.8	473.0	487.2	500.0	511.5	522.3	533.6	543.6	552.4	560.3	567.1
-70°	403.1	409.9	421.3	432.4	442.7	452.5	462.2	470.9	478.6	486.1	492.8
-72.5°	342.2	349.5	358.5	366.7	374.4	382.6	390.6	397.7	403.8	409.6	414.7
-75°	280.6	287.6	294.8	301.3	307.1	313.1	319.1	324.6	329.5	333.6	336.7
-77.5°	219.7	225.8	231.7	236.8	241.2	245.4	248.9	251.7	253.7	256.9	259.9
-80°	162.4	167.9	173.0	177.2	180.6	183.2	185.2	186.9	188.1	189.4	190.4
-82.5°	111.9	115.6	119.4	122.9	126.2	128.0	129.3	130.1	130.6	131.6	132.5
-85°	68.7	70.0	71.3	72.5	73.6	74.8	75.8	76.7	77.3	77.3	77.0
-87.5°	32.1	31.6	31.0	30.2	29.3	29.3	29.3	29.2	29.0	28.7	28.4
-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: P559078 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-930-U-NAT-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°	28.0	27.6	28.8	30.0	28.8	27.6	28.0	28.4	28.7	29.0	29.2
85°	76.5	75.8	77.3	78.5	77.3	75.8	76.5	77.0	77.3	77.3	76.7
82.5°	133.0	133.2	133.7	133.9	133.7	133.2	133.0	132.5	131.6	130.6	130.1
80°	190.8	190.7	190.3	189.3	190.3	190.7	190.8	190.4	189.4	188.1	186.9
77.5°	262.2	264.0	265.0	265.4	265.0	264.0	262.2	259.9	256.9	253.7	251.7
75°	338.8	339.9	340.1	339.3	340.1	339.9	338.8	336.7	333.6	329.5	324.6
72.5°	419.0	422.4	423.0	422.4	423.0	422.4	419.0	414.7	409.6	403.8	397.7
70°	498.4	502.8	502.7	500.8	502.7	502.8	498.4	492.8	486.1	478.6	470.9
67.5°	572.5	576.5	579.7	581.6	579.7	576.5	572.5	567.1	560.3	552.4	543.6
65°	645.7	650.1	652.5	653.2	652.5	650.1	645.7	639.8	632.5	623.9	614.0
62.5°	715.3	719.3	721.6	722.4	721.6	719.3	715.3	709.6	702.3	693.5	683.1
60°	783.9	788.2	788.9	787.0	788.9	788.2	783.9	777.8	770.0	761.4	751.2
57.5°	848.2	852.7	852.6	849.4	852.6	852.7	848.2	842.0	834.0	825.9	816.0
55°	907.7	911.0	912.2	911.7	912.2	911.0	907.7	902.5	895.2	887.9	878.1
52.5°	970.7	973.3	974.4	974.0	974.4	973.3	970.7	965.7	959.1	952.6	942.5
50°	1036.4	1036.7	1036.7	1036.3	1036.7	1036.7	1036.4	1033.1	1028.3	1023.3	1014.1
47.5°	1111.6	1112.4	1112.5	1112.5	1112.5	1112.4	1111.6	1107.6	1104.7	1100.9	1091.4
45°	1200.4	1198.0	1195.4	1195.6	1195.4	1198.0	1200.4	1197.4	1195.8	1190.9	1180.0
42.5°	1307.0	1304.2	1300.9	1301.7	1300.9	1304.2	1307.0	1303.8	1307.2	1301.3	1287.6
40°	1447.4	1446.6	1441.9	1440.2	1441.9	1446.6	1447.4	1441.7	1448.2	1439.8	1437.7
37.5°	1628.7	1626.0	1615.5	1611.0	1615.5	1626.0	1628.7	1627.7	1634.0	1619.7	1632.4
35°	1867.2	1863.6	1847.5	1848.7	1847.5	1863.6	1867.2	1873.6	1875.8	1854.3	1881.7
32.5°	2205.1	2206.4	2182.0	2176.5	2182.0	2206.4	2205.1	2212.6	2197.7	2192.3	2207.5
30°	2644.8	2654.5	2625.8	2638.1	2625.8	2654.5	2644.8	2667.9	2630.7	2650.4	2637.8
27.5°	3274.8	3293.2	3267.8	3247.4	3267.8	3293.2	3274.8	3275.9	3220.7	3259.3	3194.0
25°	4141.9	4155.6	4126.7	4101.4	4126.7	4155.6	4141.9	4091.4	4052.9	4046.6	3994.8
22.5°	5270.7	5269.9	5268.4	5308.5	5268.4	5269.9	5270.7	5164.8	5145.8	5036.1	5063.7
20°	6644.5	6611.1	6661.0	6693.3	6661.0	6611.1	6644.5	6587.8	6499.9	6396.1	6332.0
17.5°	8218.1	8280.5	8328.3	8408.1	8328.3	8280.5	8218.1	8197.2	8107.2	8016.5	7857.8
15°	10073.6	10167.8	10215.6	10189.9	10215.6	10167.8	10073.6	10006.0	9979.0	9826.3	9746.5
12.5°	12410.3	12522.7	12439.8	12336.4	12439.8	12522.7	12410.3	12403.0	12194.0	12239.8	11985.9
10°	15706.0	15947.9	15961.4	15759.2	15961.4	15947.9	15706.0	15704.4	15804.5	15633.1	15629.1
7.5°	20762.4	20880.0	21058.6	21067.7	21058.6	20880.0	20762.4	20681.9	20543.4	20330.4	19885.4
5°	25948.0	26261.3	26463.2	26812.4	26463.2	26261.3	25948.0	25726.2	25236.7	24687.7	24217.8
2.5°	29484.7	29889.5	30045.0	30440.6	30045.0	29889.5	29484.7	29047.4	28370.4	27568.6	26701.9
0°	30772.9	31100.7	31296.9	31453.8	31296.9	31100.7	30772.9	30260.6	29685.9	28834.2	27890.2
-2.5°	29484.7	29889.5	30045.0	30440.6	30045.0	29889.5	29484.7	29047.4	28370.4	27568.6	26701.9
-5°	25948.0	26261.3	26463.2	26812.4	26463.2	26261.3	25948.0	25726.2	25236.7	24687.7	24217.8
-7.5°	20762.4	20880.0	21058.6	21067.7	21058.6	20880.0	20762.4	20681.9	20543.4	20330.4	19885.4
-10°	15706.0	15947.9	15961.4	15759.2	15961.4	15947.9	15706.0	15704.4	15804.5	15633.1	15629.1
-12.5°	12410.3	12522.7	12439.8	12336.4	12439.8	12522.7	12410.3	12403.0	12194.0	12239.8	11985.9
-15°	10073.6	10167.8	10215.6	10189.9	10215.6	10167.8	10073.6	10006.0	9979.0	9826.3	9746.5
-17.5°	8218.1	8280.5	8328.3	8408.1	8328.3	8280.5	8218.1	8197.2	8107.2	8016.5	7857.8
-20°	6644.5	6611.1	6661.0	6693.3	6661.0	6611.1	6644.5	6587.8	6499.9	6396.1	6332.0



REPORT NUMBER: P559078 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5270.7	5269.9	5268.4	5308.5	5268.4	5269.9	5270.7	5164.8	5145.8	5036.1	5063.7
-25°	4141.9	4155.6	4126.7	4101.4	4126.7	4155.6	4141.9	4091.4	4052.9	4046.6	3994.8
-27.5°	3274.8	3293.2	3267.8	3247.4	3267.8	3293.2	3274.8	3275.9	3220.7	3259.3	3194.0
-30°	2644.8	2654.5	2625.8	2638.1	2625.8	2654.5	2644.8	2667.9	2630.7	2650.4	2637.8
-32.5°	2205.1	2206.4	2182.0	2176.5	2182.0	2206.4	2205.1	2212.6	2197.7	2192.3	2207.5
-35°	1867.2	1863.6	1847.5	1848.7	1847.5	1863.6	1867.2	1873.6	1875.8	1854.3	1881.7
-37.5°	1628.7	1626.0	1615.5	1611.0	1615.5	1626.0	1628.7	1627.7	1634.0	1619.7	1632.4
-40°	1447.4	1446.6	1441.9	1440.2	1441.9	1446.6	1447.4	1441.7	1448.2	1439.8	1437.7
-42.5°	1307.0	1304.2	1300.9	1301.7	1300.9	1304.2	1307.0	1303.8	1307.2	1301.3	1287.6
-45°	1200.4	1198.0	1195.4	1195.6	1195.4	1198.0	1200.4	1197.4	1195.8	1190.9	1180.0
-47.5°	1111.6	1112.4	1112.5	1112.5	1112.5	1112.4	1111.6	1107.6	1104.7	1100.9	1091.4
-50°	1036.4	1036.7	1036.7	1036.3	1036.7	1036.7	1036.4	1033.1	1028.3	1023.3	1014.1
-52.5°	970.7	973.3	974.4	974.0	974.4	973.3	970.7	965.7	959.1	952.6	942.5
-55°	907.7	911.0	912.2	911.7	912.2	911.0	907.7	902.5	895.2	887.9	878.1
-57.5°	848.2	852.7	852.6	849.4	852.6	852.7	848.2	842.0	834.0	825.9	816.0
-60°	783.9	788.2	788.9	787.0	788.9	788.2	783.9	777.8	770.0	761.4	751.2
-62.5°	715.3	719.3	721.6	722.4	721.6	719.3	715.3	709.6	702.3	693.5	683.1
-65°	645.7	650.1	652.5	653.2	652.5	650.1	645.7	639.8	632.5	623.9	614.0
-67.5°	572.5	576.5	579.7	581.6	579.7	576.5	572.5	567.1	560.3	552.4	543.6
-70°	498.4	502.8	502.7	500.8	502.7	502.8	498.4	492.8	486.1	478.6	470.9
-72.5°	419.0	422.4	423.0	422.4	423.0	422.4	419.0	414.7	409.6	403.8	397.7
-75°	338.8	339.9	340.1	339.3	340.1	339.9	338.8	336.7	333.6	329.5	324.6
-77.5°	262.2	264.0	265.0	265.4	265.0	264.0	262.2	259.9	256.9	253.7	251.7
-80°	190.8	190.7	190.3	189.3	190.3	190.7	190.8	190.4	189.4	188.1	186.9
-82.5°	133.0	133.2	133.7	133.9	133.7	133.2	133.0	132.5	131.6	130.6	130.1
-85°	76.5	75.8	77.3	78.5	77.3	75.8	76.5	77.0	77.3	77.3	76.7
-87.5°	28.0	27.6	28.8	30.0	28.8	27.6	28.0	28.4	28.7	29.0	29.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	29.3	29.3	29.3	30.2	31.0	31.6	32.1	31.1	30.0	28.9	27.7
85°	75.8	74.8	73.6	72.5	71.3	70.0	68.7	67.7	66.2	64.4	62.2
82.5°	129.3	128.0	126.2	122.9	119.4	115.6	111.9	109.9	107.6	105.0	102.0
80°	185.2	183.2	180.6	177.2	173.0	167.9	162.4	158.3	153.5	148.8	145.1
77.5°	248.9	245.4	241.2	236.8	231.7	225.8	219.7	214.2	208.4	201.7	195.9
75°	319.1	313.1	307.1	301.3	294.8	287.6	280.6	274.3	266.8	258.0	251.0
72.5°	390.6	382.6	374.4	366.7	358.5	349.5	342.2	335.8	327.4	317.1	310.1
70°	462.2	452.5	442.7	432.4	421.3	409.9	403.1	397.2	389.4	378.9	372.5
67.5°	533.6	522.3	511.5	500.0	487.2	473.0	465.8	458.1	449.2	438.6	435.8
65°	603.0	590.8	580.7	568.6	554.6	539.2	532.9	524.3	513.4	501.9	500.1
62.5°	670.6	656.3	646.6	635.0	621.2	608.5	602.2	592.6	580.1	571.5	570.3
60°	739.1	726.5	715.9	703.0	687.7	677.9	672.5	662.6	648.3	644.9	643.4
57.5°	804.2	793.1	783.5	771.0	755.8	751.0	745.5	735.1	720.4	722.5	719.1
55°	865.6	857.4	849.5	837.9	823.8	825.2	821.0	810.8	802.0	804.7	800.6
52.5°	929.0	925.5	918.4	905.7	899.7	903.2	898.2	888.2	889.9	892.9	886.3
50°	1003.3	1001.3	993.9	981.6	985.0	988.1	984.1	971.6	983.5	986.1	977.5
47.5°	1086.7	1086.5	1077.2	1066.2	1079.7	1082.1	1077.2	1078.1	1088.3	1085.4	1074.7
45°	1183.7	1184.7	1175.2	1176.7	1186.0	1188.1	1178.4	1196.3	1202.7	1196.8	1177.6
42.5°	1301.2	1299.9	1289.1	1305.9	1311.3	1308.3	1311.5	1329.9	1330.1	1316.8	1317.7
40°	1448.8	1440.3	1442.7	1458.4	1460.8	1444.4	1474.1	1481.3	1474.8	1449.9	1484.8
37.5°	1636.3	1620.3	1640.4	1644.9	1637.6	1646.5	1667.7	1663.3	1635.3	1659.9	1681.6
35°	1873.4	1867.9	1887.0	1880.9	1851.8	1899.6	1906.0	1876.0	1865.9	1910.7	1908.1
32.5°	2169.7	2201.2	2197.7	2170.6	2188.5	2198.8	2184.6	2134.2	2198.7	2215.8	2176.4
30°	2611.6	2627.0	2593.3	2576.3	2607.9	2572.6	2500.2	2573.8	2601.9	2567.0	2479.5
27.5°	3213.8	3169.1	3107.7	3147.0	3110.3	3025.8	3051.5	3088.7	3056.3	2972.1	2872.9
25°	3980.0	3854.2	3885.4	3858.4	3737.0	3714.4	3752.1	3709.8	3592.4	3466.3	3605.0
22.5°	4942.7	4896.3	4845.2	4692.7	4655.8	4666.4	4575.3	4405.4	4302.1	4434.4	4438.7
20°	6236.6	6156.1	5980.7	5915.5	5882.4	5724.6	5495.6	5472.3	5580.6	5525.0	5357.5
17.5°	7789.0	7577.7	7541.2	7439.0	7244.6	6935.2	7052.6	7093.1	6989.8	6701.0	6349.3
15°	9462.7	9584.3	9478.6	9165.6	8980.3	9120.0	9051.6	8825.8	8512.5	7984.1	7385.6
12.5°	12209.7	12031.4	11586.2	11749.7	11703.7	11534.1	11188.2	10691.3	10041.0	9185.1	8322.9
10°	15397.7	15268.9	15139.4	14924.2	14570.4	14067.3	13226.9	12293.5	11321.9	10312.6	9265.2
7.5°	19551.9	19204.2	18761.4	17971.6	16984.1	15966.2	14900.8	13787.0	12600.5	11422.7	10198.9
5°	23331.3	22309.2	21266.4	20182.5	18985.5	17767.6	16538.3	15254.7	13856.6	12500.6	11104.2
2.5°	25713.8	24650.2	23500.9	22248.5	20707.8	19152.4	17597.4	16043.0	14378.5	12810.7	11243.8
0°	26773.1	25533.7	24114.3	22704.1	21166.9	19544.4	17804.1	16209.3	14506.0	12911.1	11323.2
-2.5°	25713.8	24650.2	23500.9	22248.5	20707.8	19152.4	17597.4	16043.0	14378.5	12810.7	11243.8
-5°	23331.3	22309.2	21266.4	20182.5	18985.5	17767.6	16538.3	15254.7	13856.6	12500.6	11104.2
-7.5°	19551.9	19204.2	18761.4	17971.6	16984.1	15966.2	14900.8	13787.0	12600.5	11422.7	10198.9
-10°	15397.7	15268.9	15139.4	14924.2	14570.4	14067.3	13226.9	12293.5	11321.9	10312.6	9265.2
-12.5°	12209.7	12031.4	11586.2	11749.7	11703.7	11534.1	11188.2	10691.3	10041.0	9185.1	8322.9
-15°	9462.7	9584.3	9478.6	9165.6	8980.3	9120.0	9051.6	8825.8	8512.5	7984.1	7385.6
-17.5°	7789.0	7577.7	7541.2	7439.0	7244.6	6935.2	7052.6	7093.1	6989.8	6701.0	6349.3
-20°	6236.6	6156.1	5980.7	5915.5	5882.4	5724.6	5495.6	5472.3	5580.6	5525.0	5357.5



REPORT NUMBER: P559078 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	4942.7	4896.3	4845.2	4692.7	4655.8	4666.4	4575.3	4405.4	4302.1	4434.4	4438.7
-25°	3980.0	3854.2	3885.4	3858.4	3737.0	3714.4	3752.1	3709.8	3592.4	3466.3	3605.0
-27.5°	3213.8	3169.1	3107.7	3147.0	3110.3	3025.8	3051.5	3088.7	3056.3	2972.1	2872.9
-30°	2611.6	2627.0	2593.3	2576.3	2607.9	2572.6	2500.2	2573.8	2601.9	2567.0	2479.5
-32.5°	2169.7	2201.2	2197.7	2170.6	2188.5	2198.8	2184.6	2134.2	2198.7	2215.8	2176.4
-35°	1873.4	1867.9	1887.0	1880.9	1851.8	1899.6	1906.0	1876.0	1865.9	1910.7	1908.1
-37.5°	1636.3	1620.3	1640.4	1644.9	1637.6	1646.5	1667.7	1663.3	1635.3	1659.9	1681.6
-40°	1448.8	1440.3	1442.7	1458.4	1460.8	1444.4	1474.1	1481.3	1474.8	1449.9	1484.8
-42.5°	1301.2	1299.9	1289.1	1305.9	1311.3	1308.3	1311.5	1329.9	1330.1	1316.8	1317.7
-45°	1183.7	1184.7	1175.2	1176.7	1186.0	1188.1	1178.4	1196.3	1202.7	1196.8	1177.6
-47.5°	1086.7	1086.5	1077.2	1066.2	1079.7	1082.1	1077.2	1078.1	1088.3	1085.4	1074.7
-50°	1003.3	1001.3	993.9	981.6	985.0	988.1	984.1	971.6	983.5	986.1	977.5
-52.5°	929.0	925.5	918.4	905.7	899.7	903.2	898.2	888.2	889.9	892.9	886.3
-55°	865.6	857.4	849.5	837.9	823.8	825.2	821.0	810.8	802.0	804.7	800.6
-57.5°	804.2	793.1	783.5	771.0	755.8	751.0	745.5	735.1	720.4	722.5	719.1
-60°	739.1	726.5	715.9	703.0	687.7	677.9	672.5	662.6	648.3	644.9	643.4
-62.5°	670.6	656.3	646.6	635.0	621.2	608.5	602.2	592.6	580.1	571.5	570.3
-65°	603.0	590.8	580.7	568.6	554.6	539.2	532.9	524.3	513.4	501.9	500.1
-67.5°	533.6	522.3	511.5	500.0	487.2	473.0	465.8	458.1	449.2	438.6	435.8
-70°	462.2	452.5	442.7	432.4	421.3	409.9	403.1	397.2	389.4	378.9	372.5
-72.5°	390.6	382.6	374.4	366.7	358.5	349.5	342.2	335.8	327.4	317.1	310.1
-75°	319.1	313.1	307.1	301.3	294.8	287.6	280.6	274.3	266.8	258.0	251.0
-77.5°	248.9	245.4	241.2	236.8	231.7	225.8	219.7	214.2	208.4	201.7	195.9
-80°	185.2	183.2	180.6	177.2	173.0	167.9	162.4	158.3	153.5	148.8	145.1
-82.5°	129.3	128.0	126.2	122.9	119.4	115.6	111.9	109.9	107.6	105.0	102.0
-85°	75.8	74.8	73.6	72.5	71.3	70.0	68.7	67.7	66.2	64.4	62.2
-87.5°	29.3	29.3	29.3	30.2	31.0	31.6	32.1	31.1	30.0	28.9	27.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P559078 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	26.9	25.9	24.9	23.8	22.6	21.3	20.0	18.6	17.2	15.8	14.2
85°	60.1	57.5	54.5	51.0	47.2	42.7	40.0	37.1	34.5	31.6	28.5
82.5°	99.3	96.2	92.5	88.3	84.6	79.6	73.5	66.0	57.6	48.4	42.7
80°	143.9	141.1	136.5	130.3	124.0	116.8	109.8	101.0	90.4	78.6	65.6
77.5°	193.4	189.2	183.5	176.9	168.8	159.5	148.9	136.8	123.1	108.7	92.9
75°	247.0	242.2	235.6	226.6	215.3	202.3	189.4	175.0	158.5	139.2	120.2
72.5°	305.6	298.8	289.5	277.5	264.3	249.0	231.6	213.4	195.0	173.3	148.3
70°	366.3	357.3	346.5	333.7	316.7	295.9	276.0	255.5	231.7	207.4	179.6
67.5°	429.1	419.0	405.7	391.4	373.4	350.4	321.9	298.9	273.4	241.7	210.7
65°	494.4	483.1	466.6	452.4	432.2	406.5	376.1	345.5	315.4	281.1	241.7
62.5°	563.1	550.4	534.8	516.2	493.0	465.0	431.3	398.5	359.2	320.8	276.5
60°	635.8	621.9	605.9	586.0	558.1	524.7	490.2	452.0	409.1	360.6	312.8
57.5°	710.8	695.7	682.4	659.2	627.8	588.8	551.6	509.8	459.1	405.1	349.1
55°	788.6	774.5	762.5	737.6	701.1	657.1	618.4	570.9	511.0	450.8	385.3
52.5°	871.8	861.9	847.4	819.7	779.6	732.6	694.1	633.5	569.7	496.4	425.8
50°	959.5	959.2	940.2	906.8	860.9	822.0	773.6	708.0	629.5	544.6	467.1
47.5°	1067.6	1066.1	1043.6	1000.2	947.6	918.3	863.6	786.4	690.1	599.5	508.6
45°	1190.5	1182.2	1154.8	1106.1	1059.1	1027.5	960.9	867.6	764.1	655.8	550.1
42.5°	1326.8	1312.1	1274.0	1217.3	1198.3	1148.4	1063.3	960.1	839.9	712.0	596.1
40°	1486.5	1455.3	1402.7	1374.1	1354.3	1279.3	1181.6	1057.4	917.2	772.1	644.8
37.5°	1663.1	1617.4	1547.2	1568.9	1527.7	1435.1	1308.1	1158.0	998.2	840.2	692.9
35°	1869.8	1798.2	1799.8	1796.7	1726.5	1601.7	1441.1	1266.8	1087.8	908.1	740.3
32.5°	2095.8	2077.2	2109.0	2057.5	1943.9	1778.6	1590.1	1386.6	1178.7	975.5	786.8
30°	2416.7	2493.5	2459.5	2344.2	2184.1	1981.3	1750.0	1509.1	1270.3	1042.2	834.8
27.5°	2970.0	2967.4	2854.2	2675.6	2453.5	2196.4	1911.9	1633.8	1362.4	1111.9	889.1
25°	3594.6	3505.1	3310.5	3040.3	2739.3	2411.6	2076.2	1760.4	1462.5	1187.1	941.8
22.5°	4307.9	4090.9	3805.3	3428.7	3021.9	2633.1	2251.3	1898.9	1566.0	1260.9	992.7
20°	5079.3	4715.6	4323.0	3809.4	3326.9	2874.2	2436.7	2036.1	1668.1	1332.8	1041.5
17.5°	5905.4	5360.3	4816.0	4221.8	3647.0	3117.3	2621.6	2171.0	1767.9	1402.3	1087.9
15°	6705.8	6004.9	5323.6	4637.0	3968.5	3359.9	2804.4	2302.6	1864.5	1468.8	1124.4
12.5°	7494.7	6658.4	5838.3	5050.2	4287.4	3599.2	2982.8	2429.5	1957.1	1516.4	1148.2
10°	8282.3	7311.7	6352.5	5456.3	4599.7	3832.2	3154.9	2528.5	2000.8	1546.9	1167.9
7.5°	9057.8	7954.9	6858.1	5849.6	4868.7	3984.6	3228.5	2573.3	2029.6	1571.5	1183.4
5°	9690.7	8374.6	7088.1	5966.2	4944.3	4045.0	3273.9	2608.1	2049.5	1590.1	1194.8
2.5°	9776.1	8443.6	7122.4	6012.3	4994.8	4086.4	3304.0	2632.2	2060.7	1602.6	1201.9
0°	9809.1	8465.9	7118.0	6026.3	5020.0	4108.3	3318.9	2645.0	2063.4	1608.7	1204.8
-2.5°	9776.1	8443.6	7122.4	6012.3	4994.8	4086.4	3304.0	2632.2	2060.7	1602.6	1201.9
-5°	9690.7	8374.6	7088.1	5966.2	4944.3	4045.0	3273.9	2608.1	2049.5	1590.1	1194.8
-7.5°	9057.8	7954.9	6858.1	5849.6	4868.7	3984.6	3228.5	2573.3	2029.6	1571.5	1183.4
-10°	8282.3	7311.7	6352.5	5456.3	4599.7	3832.2	3154.9	2528.5	2000.8	1546.9	1167.9
-12.5°	7494.7	6658.4	5838.3	5050.2	4287.4	3599.2	2982.8	2429.5	1957.1	1516.4	1148.2
-15°	6705.8	6004.9	5323.6	4637.0	3968.5	3359.9	2804.4	2302.6	1864.5	1468.8	1124.4
-17.5°	5905.4	5360.3	4816.0	4221.8	3647.0	3117.3	2621.6	2171.0	1767.9	1402.3	1087.9
-20°	5079.3	4715.6	4323.0	3809.4	3326.9	2874.2	2436.7	2036.1	1668.1	1332.8	1041.5



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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°	4307.9	4090.9	3805.3	3428.7	3021.9	2633.1	2251.3	1898.9	1566.0	1260.9	992.7
-25°	3594.6	3505.1	3310.5	3040.3	2739.3	2411.6	2076.2	1760.4	1462.5	1187.1	941.8
-27.5°	2970.0	2967.4	2854.2	2675.6	2453.5	2196.4	1911.9	1633.8	1362.4	1111.9	889.1
-30°	2416.7	2493.5	2459.5	2344.2	2184.1	1981.3	1750.0	1509.1	1270.3	1042.2	834.8
-32.5°	2095.8	2077.2	2109.0	2057.5	1943.9	1778.6	1590.1	1386.6	1178.7	975.5	786.8
-35°	1869.8	1798.2	1799.8	1796.7	1726.5	1601.7	1441.1	1266.8	1087.8	908.1	740.3
-37.5°	1663.1	1617.4	1547.2	1568.9	1527.7	1435.1	1308.1	1158.0	998.2	840.2	692.9
-40°	1486.5	1455.3	1402.7	1374.1	1354.3	1279.3	1181.6	1057.4	917.2	772.1	644.8
-42.5°	1326.8	1312.1	1274.0	1217.3	1198.3	1148.4	1063.3	960.1	839.9	712.0	596.1
-45°	1190.5	1182.2	1154.8	1106.1	1059.1	1027.5	960.9	867.6	764.1	655.8	550.1
-47.5°	1067.6	1066.1	1043.6	1000.2	947.6	918.3	863.6	786.4	690.1	599.5	508.6
-50°	959.5	959.2	940.2	906.8	860.9	822.0	773.6	708.0	629.5	544.6	467.1
-52.5°	871.8	861.9	847.4	819.7	779.6	732.6	694.1	633.5	569.7	496.4	425.8
-55°	788.6	774.5	762.5	737.6	701.1	657.1	618.4	570.9	511.0	450.8	385.3
-57.5°	710.8	695.7	682.4	659.2	627.8	588.8	551.6	509.8	459.1	405.1	349.1
-60°	635.8	621.9	605.9	586.0	558.1	524.7	490.2	452.0	409.1	360.6	312.8
-62.5°	563.1	550.4	534.8	516.2	493.0	465.0	431.3	398.5	359.2	320.8	276.5
-65°	494.4	483.1	466.6	452.4	432.2	406.5	376.1	345.5	315.4	281.1	241.7
-67.5°	429.1	419.0	405.7	391.4	373.4	350.4	321.9	298.9	273.4	241.7	210.7
-70°	366.3	357.3	346.5	333.7	316.7	295.9	276.0	255.5	231.7	207.4	179.6
-72.5°	305.6	298.8	289.5	277.5	264.3	249.0	231.6	213.4	195.0	173.3	148.3
-75°	247.0	242.2	235.6	226.6	215.3	202.3	189.4	175.0	158.5	139.2	120.2
-77.5°	193.4	189.2	183.5	176.9	168.8	159.5	148.9	136.8	123.1	108.7	92.9
-80°	143.9	141.1	136.5	130.3	124.0	116.8	109.8	101.0	90.4	78.6	65.6
-82.5°	99.3	96.2	92.5	88.3	84.6	79.6	73.5	66.0	57.6	48.4	42.7
-85°	60.1	57.5	54.5	51.0	47.2	42.7	40.0	37.1	34.5	31.6	28.5
-87.5°	26.9	25.9	24.9	23.8	22.6	21.3	20.0	18.6	17.2	15.8	14.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	12.6	11.1	9.4	7.5	5.2	2.6	0.0
85°	25.1	22.2	18.8	14.9	10.4	5.2	0.0
82.5°	37.7	33.3	28.2	22.3	15.6	7.8	0.0
80°	51.6	44.4	37.6	29.7	20.8	10.4	0.0
77.5°	75.9	59.0	47.0	37.1	25.9	13.0	0.0
75°	100.2	79.9	57.7	44.5	31.0	15.5	0.0
72.5°	124.3	100.7	74.9	51.8	36.0	18.0	0.0
70°	148.8	121.4	92.0	60.1	41.0	20.5	0.0
67.5°	176.9	141.9	108.9	73.1	45.9	23.0	0.0
65°	204.8	164.2	125.6	86.0	50.7	25.4	0.0
62.5°	232.7	188.2	142.1	98.7	55.4	27.7	0.0
60°	260.3	212.0	158.4	111.1	59.9	30.0	0.0
57.5°	291.7	235.5	177.5	123.4	68.1	32.2	0.0
55°	323.2	258.8	196.6	135.4	76.0	34.4	0.0
52.5°	354.2	282.3	215.3	147.1	83.8	36.5	0.0
50°	384.8	308.0	233.6	158.5	91.3	38.6	0.0
47.5°	415.8	333.2	251.6	170.3	98.6	40.5	0.0
45°	451.7	357.9	269.1	183.4	105.7	42.4	0.0
42.5°	487.3	381.9	286.2	196.2	112.5	44.2	0.0
40°	522.5	405.2	303.8	208.2	119.0	46.0	0.0
37.5°	557.3	427.9	321.7	219.3	125.2	47.6	0.0
35°	591.6	453.6	338.9	229.7	131.1	49.1	0.0
32.5°	626.7	480.5	355.4	239.4	136.6	50.6	0.0
30°	664.2	506.5	371.1	248.3	141.9	52.0	0.0
27.5°	700.5	531.6	384.2	256.6	146.8	53.2	0.0
25°	735.3	555.7	396.3	264.1	151.4	54.4	0.0
22.5°	768.7	577.2	407.4	270.8	155.5	55.4	0.0
20°	800.3	593.5	417.7	276.8	159.4	56.4	0.0
17.5°	824.2	607.9	427.0	282.0	162.8	57.2	0.0
15°	842.0	620.3	435.2	286.5	165.8	58.0	0.0
12.5°	857.2	630.6	442.5	290.2	168.5	58.6	0.0
10°	869.8	639.0	448.6	293.2	170.7	59.1	0.0
7.5°	879.8	645.5	453.6	295.4	172.5	59.5	0.0
5°	887.0	650.0	457.5	296.9	173.9	59.8	0.0
2.5°	891.5	652.5	460.2	297.7	174.9	59.9	0.0
0°	893.2	653.2	461.6	297.7	175.4	60.0	0.0
-2.5°	891.5	652.5	460.2	297.7	174.9	59.9	0.0
-5°	887.0	650.0	457.5	296.9	173.9	59.8	0.0
-7.5°	879.8	645.5	453.6	295.4	172.5	59.5	0.0
-10°	869.8	639.0	448.6	293.2	170.7	59.1	0.0
-12.5°	857.2	630.6	442.5	290.2	168.5	58.6	0.0
-15°	842.0	620.3	435.2	286.5	165.8	58.0	0.0
-17.5°	824.2	607.9	427.0	282.0	162.8	57.2	0.0
-20°	800.3	593.5	417.7	276.8	159.4	56.4	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	768.7	577.2	407.4	270.8	155.5	55.4	0.0
-25°	735.3	555.7	396.3	264.1	151.4	54.4	0.0
-27.5°	700.5	531.6	384.2	256.6	146.8	53.2	0.0
-30°	664.2	506.5	371.1	248.3	141.9	52.0	0.0
-32.5°	626.7	480.5	355.4	239.4	136.6	50.6	0.0
-35°	591.6	453.6	338.9	229.7	131.1	49.1	0.0
-37.5°	557.3	427.9	321.7	219.3	125.2	47.6	0.0
-40°	522.5	405.2	303.8	208.2	119.0	46.0	0.0
-42.5°	487.3	381.9	286.2	196.2	112.5	44.2	0.0
-45°	451.7	357.9	269.1	183.4	105.7	42.4	0.0
-47.5°	415.8	333.2	251.6	170.3	98.6	40.5	0.0
-50°	384.8	308.0	233.6	158.5	91.3	38.6	0.0
-52.5°	354.2	282.3	215.3	147.1	83.8	36.5	0.0
-55°	323.2	258.8	196.6	135.4	76.0	34.4	0.0
-57.5°	291.7	235.5	177.5	123.4	68.1	32.2	0.0
-60°	260.3	212.0	158.4	111.1	59.9	30.0	0.0
-62.5°	232.7	188.2	142.1	98.7	55.4	27.7	0.0
-65°	204.8	164.2	125.6	86.0	50.7	25.4	0.0
-67.5°	176.9	141.9	108.9	73.1	45.9	23.0	0.0
-70°	148.8	121.4	92.0	60.1	41.0	20.5	0.0
-72.5°	124.3	100.7	74.9	51.8	36.0	18.0	0.0
-75°	100.2	79.9	57.7	44.5	31.0	15.5	0.0
-77.5°	75.9	59.0	47.0	37.1	25.9	13.0	0.0
-80°	51.6	44.4	37.6	29.7	20.8	10.4	0.0
-82.5°	37.7	33.3	28.2	22.3	15.6	7.8	0.0
-85°	25.1	22.2	18.8	14.9	10.4	5.2	0.0
-87.5°	12.6	11.1	9.4	7.5	5.2	2.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)