

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: P558958 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-935-U-NAT-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P558958 (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-935-U-NAT-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, NARROW ASYMMETRICAL RECTANGULAR 6x4  
Light Source: (64) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

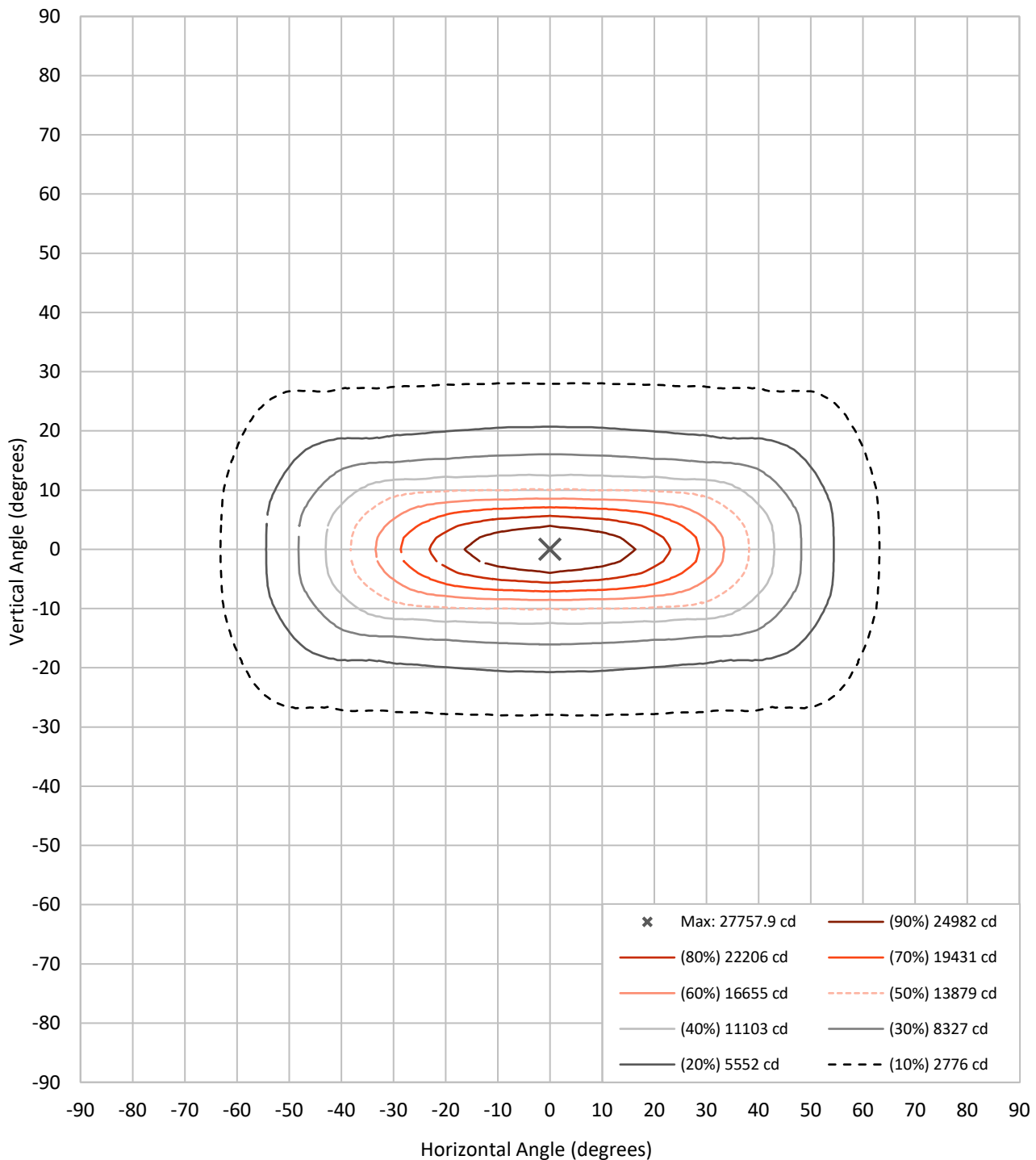
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	19879.7 lumens	Max Intensity:	27757.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	91.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	7953.8 lumens	Field Lumens:	16293.5 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





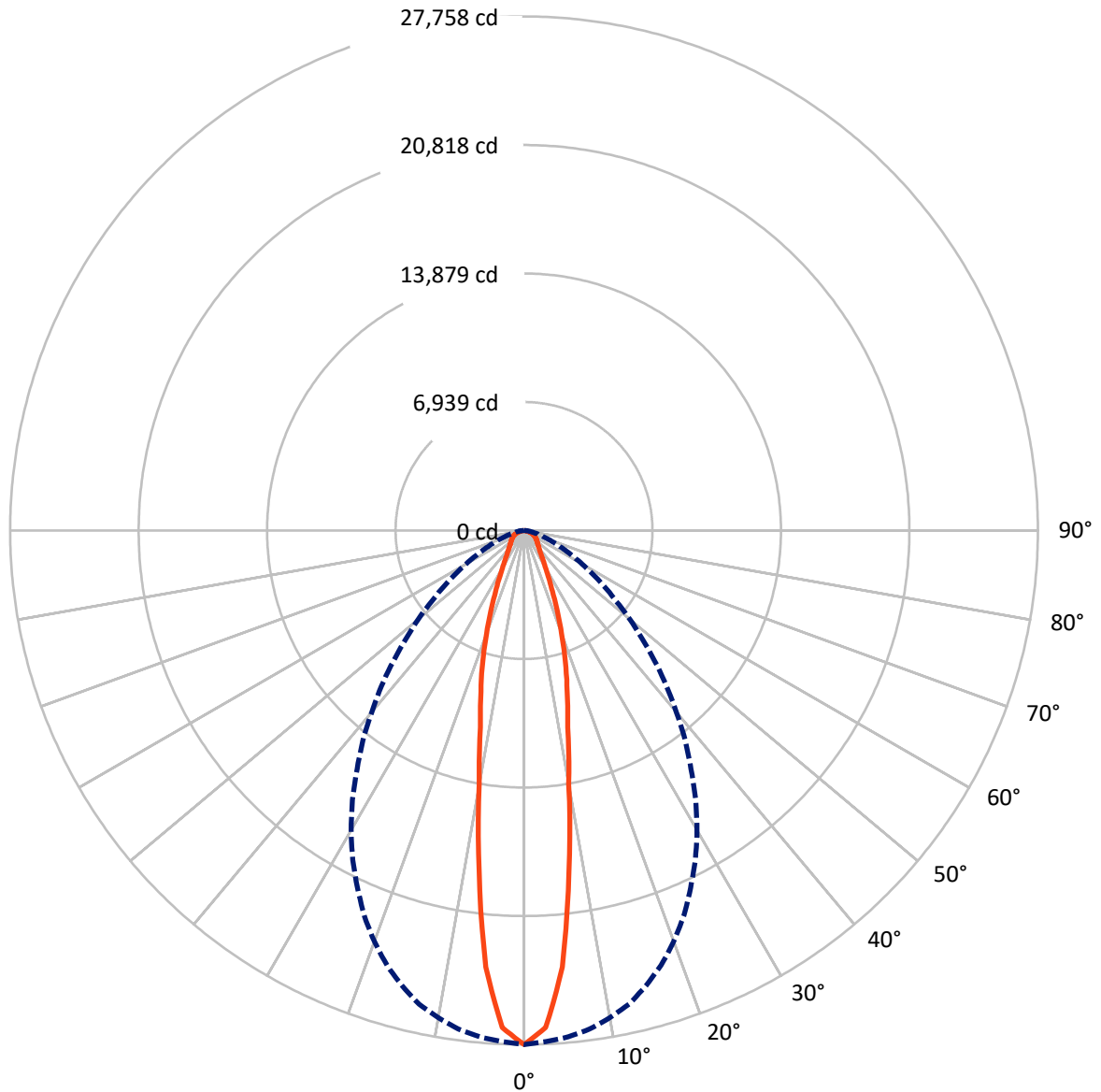
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### Lumen Table

90																			
80	1.0	6.9		13.9		20.1		22.8		20.1		13.9		6.9		1.0			
70																			
60	4.3	4.0	7.0	9.5	11.8	14.1	16.1	17.3	17.3	16.1	14.1	11.8	9.5	7.0	4.0	4.3			
50		6.5	11.3	15.2	18.1	20.7	23.0	24.4	24.4	23.0	20.7	18.1	15.2	11.3	6.5				
40	8.5	9.9	17.3	22.8	26.5	29.1	31.2	32.5	32.5	31.2	29.1	26.5	22.8	17.3	9.9	8.5			
30		14.6	27.6	36.5	42.5	47.0	50.2	51.6	51.6	50.2	47.0	42.5	36.5	27.6	14.6				
20	13.1	20.6	47.0	70.0	84.6	98.2	109.3	115.7	115.7	109.3	98.2	84.6	70.0	47.0	20.6	13.1			
10		27.2	72.5	139.4	200.5	238.9	266.0	281.5	281.5	266.0	238.9	200.5	139.4	72.5	27.2				
0	15.0	31.2	93.0	205.4	355.4	504.0	613.4	671.0	671.0	613.4	504.0	355.4	205.4	93.0	31.2	15.0			
-10		31.2	93.0	205.4	355.4	504.0	613.4	671.0	671.0	613.4	504.0	355.4	205.4	93.0	31.2				
-20	13.1	27.2	72.5	139.4	200.5	238.9	266.0	281.5	281.5	266.0	238.9	200.5	139.4	72.5	27.2	13.1			
-30		20.6	47.0	70.0	84.6	98.2	109.3	115.7	115.7	109.3	98.2	84.6	70.0	47.0	20.6				
-40	8.5	14.6	27.6	36.5	42.5	47.0	50.2	51.6	51.6	50.2	47.0	42.5	36.5	27.6	14.6	8.5			
-50		9.9	17.3	22.8	26.5	29.1	31.2	32.5	32.5	31.2	29.1	26.5	22.8	17.3	9.9				
-60	4.3	6.5	11.3	15.2	18.1	20.7	23.0	24.4	24.4	23.0	20.7	18.1	15.2	11.3	6.5	4.3			
-70		4.0	7.0	9.5	11.8	14.1	16.1	17.3	17.3	16.1	14.1	11.8	9.5	7.0	4.0				
-80	1.0	6.9		13.9		20.1		22.8		20.1		13.9		6.9		1.0			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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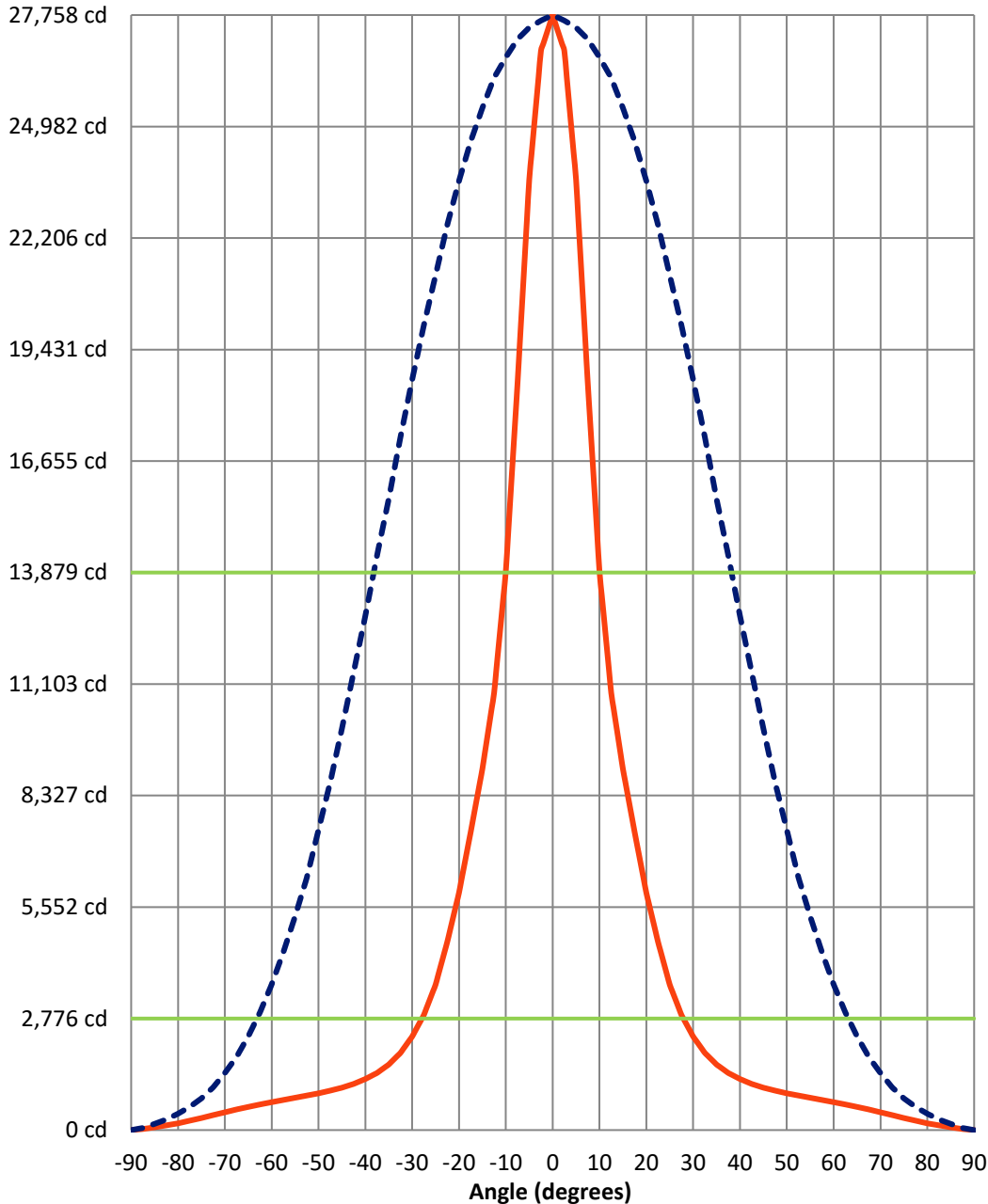
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 76.4°  
 V Angle: 20°  
 Lumens: 7953.8  
 Efficiency: 40.0%

**Field:**  
 H Angle: 126.3°  
 V Angle: 55.8°  
 Lumens: 16293.5  
 Efficiency: 82.0%

**Spill:**  
 Lumens: 3586.2  
 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	2.3	4.6	6.6	8.3	9.8	11.1	12.6	13.9	15.2	16.4
85°	0.0	4.6	9.2	13.2	16.6	19.6	22.2	25.1	27.9	30.4	32.7
82.5°	0.0	6.9	13.8	19.7	24.9	29.4	33.2	37.6	42.7	50.8	58.2
80°	0.0	9.2	18.4	26.3	33.2	39.2	45.6	57.9	69.3	79.8	89.2
77.5°	0.0	11.5	22.9	32.8	41.5	52.1	67.0	82.0	96.0	108.7	120.7
75°	0.0	13.7	27.4	39.3	51.0	70.5	88.4	106.0	122.9	139.9	154.5
72.5°	0.0	15.9	31.8	45.7	66.1	88.9	109.7	130.9	153.0	172.1	188.4
70°	0.0	18.1	36.2	53.1	81.2	107.1	131.4	158.5	183.1	204.5	225.5
67.5°	0.0	20.3	40.5	64.6	96.1	125.2	156.1	186.0	213.3	241.2	263.8
65°	0.0	22.4	44.8	75.9	110.8	144.9	180.8	213.4	248.1	278.3	304.8
62.5°	0.0	24.5	48.9	87.1	125.4	166.1	205.3	244.1	283.1	317.1	351.7
60°	0.0	26.5	52.9	98.1	139.8	187.1	229.7	276.1	318.2	361.0	398.9
57.5°	0.0	28.5	60.1	108.9	156.7	207.8	257.4	308.2	357.6	405.2	449.9
55°	0.0	30.4	67.1	119.5	173.4	228.4	285.2	340.1	397.9	450.9	503.7
52.5°	0.0	32.3	74.0	129.8	189.9	249.1	312.7	375.8	438.0	502.8	559.1
50°	0.0	34.1	80.6	139.9	206.1	271.8	339.7	412.2	480.5	555.5	624.8
47.5°	0.0	35.8	87.1	150.2	222.0	294.1	367.0	448.8	529.0	609.0	694.0
45°	0.0	37.5	93.3	161.9	237.5	315.8	398.6	485.4	578.7	674.3	765.7
42.5°	0.0	39.1	99.3	173.2	252.5	337.0	430.0	526.0	628.3	741.2	847.3
40°	0.0	40.6	105.0	183.7	268.0	357.6	461.1	569.0	681.4	809.5	933.2
37.5°	0.0	42.0	110.5	193.5	283.8	377.6	491.8	611.4	741.5	880.9	1021.9
35°	0.0	43.4	115.7	202.7	299.0	400.3	522.1	653.3	801.4	960.0	1118.0
32.5°	0.0	44.7	120.6	211.2	313.6	424.0	553.1	694.4	860.9	1040.2	1223.7
30°	0.0	45.9	125.2	219.1	327.5	447.0	586.2	736.7	919.7	1121.1	1331.8
27.5°	0.0	47.0	129.6	226.4	339.0	469.2	618.2	784.6	981.3	1202.3	1441.8
25°	0.0	48.0	133.6	233.0	349.7	490.4	648.9	831.2	1047.7	1290.6	1553.6
22.5°	0.0	49.0	137.3	239.0	359.5	509.3	678.4	876.1	1112.8	1382.0	1675.7
20°	0.0	49.8	140.7	244.3	368.6	523.8	706.3	919.1	1176.2	1472.1	1796.8
17.5°	0.0	50.5	143.7	248.9	376.8	536.5	727.3	960.1	1237.5	1560.1	1915.9
15°	0.0	51.2	146.4	252.9	384.1	547.4	743.0	992.3	1296.2	1645.4	2032.0
12.5°	0.0	51.7	148.7	256.1	390.5	556.5	756.5	1013.3	1338.3	1727.2	2144.0
10°	0.0	52.2	150.7	258.8	395.9	563.9	767.6	1030.7	1365.2	1765.7	2231.4
7.5°	0.0	52.5	152.3	260.7	400.4	569.6	776.4	1044.4	1386.9	1791.1	2270.9
5°	0.0	52.8	153.5	262.1	403.8	573.6	782.8	1054.4	1403.3	1808.6	2301.6
2.5°	0.0	52.9	154.3	262.8	406.1	575.8	786.8	1060.7	1414.3	1818.5	2322.9
0°	0.0	53.0	154.8	262.8	407.4	576.4	788.3	1063.2	1419.7	1820.9	2334.2
-2.5°	0.0	52.9	154.3	262.8	406.1	575.8	786.8	1060.7	1414.3	1818.5	2322.9
-5°	0.0	52.8	153.5	262.1	403.8	573.6	782.8	1054.4	1403.3	1808.6	2301.6
-7.5°	0.0	52.5	152.3	260.7	400.4	569.6	776.4	1044.4	1386.9	1791.1	2270.9
-10°	0.0	52.2	150.7	258.8	395.9	563.9	767.6	1030.7	1365.2	1765.7	2231.4
-12.5°	0.0	51.7	148.7	256.1	390.5	556.5	756.5	1013.3	1338.3	1727.2	2144.0
-15°	0.0	51.2	146.4	252.9	384.1	547.4	743.0	992.3	1296.2	1645.4	2032.0
-17.5°	0.0	50.5	143.7	248.9	376.8	536.5	727.3	960.1	1237.5	1560.1	1915.9
-20°	0.0	49.8	140.7	244.3	368.6	523.8	706.3	919.1	1176.2	1472.1	1796.8



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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	49.0	137.3	239.0	359.5	509.3	678.4	876.1	1112.8	1382.0	1675.7
-25°	0.0	48.0	133.6	233.0	349.7	490.4	648.9	831.2	1047.7	1290.6	1553.6
-27.5°	0.0	47.0	129.6	226.4	339.0	469.2	618.2	784.6	981.3	1202.3	1441.8
-30°	0.0	45.9	125.2	219.1	327.5	447.0	586.2	736.7	919.7	1121.1	1331.8
-32.5°	0.0	44.7	120.6	211.2	313.6	424.0	553.1	694.4	860.9	1040.2	1223.7
-35°	0.0	43.4	115.7	202.7	299.0	400.3	522.1	653.3	801.4	960.0	1118.0
-37.5°	0.0	42.0	110.5	193.5	283.8	377.6	491.8	611.4	741.5	880.9	1021.9
-40°	0.0	40.6	105.0	183.7	268.0	357.6	461.1	569.0	681.4	809.5	933.2
-42.5°	0.0	39.1	99.3	173.2	252.5	337.0	430.0	526.0	628.3	741.2	847.3
-45°	0.0	37.5	93.3	161.9	237.5	315.8	398.6	485.4	578.7	674.3	765.7
-47.5°	0.0	35.8	87.1	150.2	222.0	294.1	367.0	448.8	529.0	609.0	694.0
-50°	0.0	34.1	80.6	139.9	206.1	271.8	339.7	412.2	480.5	555.5	624.8
-52.5°	0.0	32.3	74.0	129.8	189.9	249.1	312.7	375.8	438.0	502.8	559.1
-55°	0.0	30.4	67.1	119.5	173.4	228.4	285.2	340.1	397.9	450.9	503.7
-57.5°	0.0	28.5	60.1	108.9	156.7	207.8	257.4	308.2	357.6	405.2	449.9
-60°	0.0	26.5	52.9	98.1	139.8	187.1	229.7	276.1	318.2	361.0	398.9
-62.5°	0.0	24.5	48.9	87.1	125.4	166.1	205.3	244.1	283.1	317.1	351.7
-65°	0.0	22.4	44.8	75.9	110.8	144.9	180.8	213.4	248.1	278.3	304.8
-67.5°	0.0	20.3	40.5	64.6	96.1	125.2	156.1	186.0	213.3	241.2	263.8
-70°	0.0	18.1	36.2	53.1	81.2	107.1	131.4	158.5	183.1	204.5	225.5
-72.5°	0.0	15.9	31.8	45.7	66.1	88.9	109.7	130.9	153.0	172.1	188.4
-75°	0.0	13.7	27.4	39.3	51.0	70.5	88.4	106.0	122.9	139.9	154.5
-77.5°	0.0	11.5	22.9	32.8	41.5	52.1	67.0	82.0	96.0	108.7	120.7
-80°	0.0	9.2	18.4	26.3	33.2	39.2	45.6	57.9	69.3	79.8	89.2
-82.5°	0.0	6.9	13.8	19.7	24.9	29.4	33.2	37.6	42.7	50.8	58.2
-85°	0.0	4.6	9.2	13.2	16.6	19.6	22.2	25.1	27.9	30.4	32.7
-87.5°	0.0	2.3	4.6	6.6	8.3	9.8	11.1	12.6	13.9	15.2	16.4
-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):**

	-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°	17.6	18.8	20.0	21.0	22.0	22.9	23.7	24.5	25.5	26.5	27.4
85°	35.3	37.7	41.7	45.1	48.1	50.8	53.0	54.9	56.8	58.5	59.7
82.5°	64.8	70.3	74.6	77.9	81.6	84.9	87.7	90.1	92.6	95.0	97.1
80°	96.9	103.0	109.4	115.0	120.4	124.5	127.1	128.1	131.4	135.5	139.7
77.5°	131.4	140.7	149.0	156.1	161.9	167.0	170.6	172.8	178.0	183.9	189.1
75°	167.1	178.5	190.0	200.0	207.9	213.7	218.0	221.5	227.6	235.4	242.1
72.5°	204.4	219.7	233.2	244.9	255.5	263.6	269.6	273.6	279.8	288.9	296.3
70°	243.5	261.1	279.4	294.5	305.8	315.3	323.3	328.7	334.3	343.6	350.5
67.5°	284.1	309.2	329.5	345.4	358.0	369.8	378.7	384.6	387.1	396.4	404.2
65°	331.9	358.8	381.4	399.2	411.8	426.3	436.3	441.3	442.9	453.1	462.7
62.5°	380.6	410.3	435.1	455.6	472.0	485.7	497.0	503.3	504.4	511.9	522.9
60°	432.6	463.0	492.5	517.2	534.7	548.9	561.1	567.7	569.1	572.1	584.7
57.5°	486.8	519.6	554.0	581.7	602.2	613.9	627.2	634.6	637.6	635.7	648.7
55°	545.7	579.9	618.7	650.9	672.9	683.5	695.9	706.5	710.1	707.8	715.6
52.5°	612.5	646.5	688.0	723.4	747.8	760.6	769.3	782.1	788.0	785.4	783.8
50°	682.7	725.4	759.7	800.2	829.7	846.5	846.7	862.6	870.3	867.9	857.4
47.5°	762.1	810.4	836.3	882.7	921.0	940.8	942.2	948.5	957.9	960.4	951.4
45°	848.0	906.8	934.7	976.2	1019.1	1043.3	1050.6	1039.2	1056.1	1061.4	1055.8
42.5°	938.4	1013.5	1057.5	1074.3	1124.2	1157.9	1170.9	1162.9	1162.1	1173.9	1173.7
40°	1042.7	1129.0	1195.1	1212.6	1237.8	1284.3	1311.8	1310.3	1279.5	1301.5	1307.2
37.5°	1154.4	1266.5	1348.2	1384.5	1365.4	1427.4	1467.7	1484.0	1464.8	1443.2	1467.8
35°	1271.8	1413.5	1523.6	1585.6	1588.3	1586.9	1650.0	1683.9	1686.2	1646.7	1655.6
32.5°	1403.3	1569.6	1715.5	1815.7	1861.2	1833.1	1849.5	1920.6	1955.4	1940.3	1883.4
30°	1544.4	1748.5	1927.4	2068.8	2170.5	2200.4	2132.7	2188.1	2265.3	2296.1	2271.4
27.5°	1687.2	1938.3	2165.2	2361.2	2518.8	2618.7	2621.0	2535.3	2622.8	2697.2	2725.8
25°	1832.2	2128.3	2417.4	2683.0	2921.5	3093.2	3172.2	3181.3	3059.0	3170.3	3273.9
22.5°	1986.8	2323.7	2666.8	3025.8	3358.1	3610.1	3801.7	3917.1	3913.4	3796.6	3887.8
20°	2150.4	2536.5	2936.0	3361.8	3815.0	4161.5	4482.5	4728.0	4875.8	4924.9	4829.3
17.5°	2313.6	2751.0	3218.5	3725.7	4250.1	4730.4	5211.5	5603.2	5913.6	6168.4	6259.6
15°	2474.8	2965.1	3502.2	4092.1	4698.0	5299.3	5917.8	6517.8	7046.0	7512.2	7788.7
12.5°	2632.3	3176.3	3783.6	4456.8	5152.2	5876.0	6614.1	7345.0	8105.9	8861.1	9435.0
10°	2784.2	3382.0	4059.2	4815.1	5606.0	6452.5	7309.0	8176.5	9100.8	9991.5	10849.0
7.5°	2849.2	3516.4	4296.6	5162.2	6052.2	7020.1	7993.5	9000.5	10080.6	11119.8	12166.9
5°	2889.2	3569.8	4363.4	5265.2	6255.2	7390.6	8552.0	9799.4	11031.8	12228.4	13462.2
2.5°	2915.9	3606.3	4407.9	5305.8	6285.4	7451.4	8627.4	9922.6	11305.4	12688.9	14157.8
0°	2929.0	3625.6	4430.1	5318.2	6281.6	7471.1	8656.5	9992.7	11394.0	12801.5	14304.6
-2.5°	2915.9	3606.3	4407.9	5305.8	6285.4	7451.4	8627.4	9922.6	11305.4	12688.9	14157.8
-5°	2889.2	3569.8	4363.4	5265.2	6255.2	7390.6	8552.0	9799.4	11031.8	12228.4	13462.2
-7.5°	2849.2	3516.4	4296.6	5162.2	6052.2	7020.1	7993.5	9000.5	10080.6	11119.8	12166.9
-10°	2784.2	3382.0	4059.2	4815.1	5606.0	6452.5	7309.0	8176.5	9100.8	9991.5	10849.0
-12.5°	2632.3	3176.3	3783.6	4456.8	5152.2	5876.0	6614.1	7345.0	8105.9	8861.1	9435.0
-15°	2474.8	2965.1	3502.2	4092.1	4698.0	5299.3	5917.8	6517.8	7046.0	7512.2	7788.7
-17.5°	2313.6	2751.0	3218.5	3725.7	4250.1	4730.4	5211.5	5603.2	5913.6	6168.4	6259.6
-20°	2150.4	2536.5	2936.0	3361.8	3815.0	4161.5	4482.5	4728.0	4875.8	4924.9	4829.3



REPORT NUMBER: P558958 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-935-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°	1986.8	2323.7	2666.8	3025.8	3358.1	3610.1	3801.7	3917.1	3913.4	3796.6	3887.8
-25°	1832.2	2128.3	2417.4	2683.0	2921.5	3093.2	3172.2	3181.3	3059.0	3170.3	3273.9
-27.5°	1687.2	1938.3	2165.2	2361.2	2518.8	2618.7	2621.0	2535.3	2622.8	2697.2	2725.8
-30°	1544.4	1748.5	1927.4	2068.8	2170.5	2200.4	2132.7	2188.1	2265.3	2296.1	2271.4
-32.5°	1403.3	1569.6	1715.5	1815.7	1861.2	1833.1	1849.5	1920.6	1955.4	1940.3	1883.4
-35°	1271.8	1413.5	1523.6	1585.6	1588.3	1586.9	1650.0	1683.9	1686.2	1646.7	1655.6
-37.5°	1154.4	1266.5	1348.2	1384.5	1365.4	1427.4	1467.7	1484.0	1464.8	1443.2	1467.8
-40°	1042.7	1129.0	1195.1	1212.6	1237.8	1284.3	1311.8	1310.3	1279.5	1301.5	1307.2
-42.5°	938.4	1013.5	1057.5	1074.3	1124.2	1157.9	1170.9	1162.9	1162.1	1173.9	1173.7
-45°	848.0	906.8	934.7	976.2	1019.1	1043.3	1050.6	1039.2	1056.1	1061.4	1055.8
-47.5°	762.1	810.4	836.3	882.7	921.0	940.8	942.2	948.5	957.9	960.4	951.4
-50°	682.7	725.4	759.7	800.2	829.7	846.5	846.7	862.6	870.3	867.9	857.4
-52.5°	612.5	646.5	688.0	723.4	747.8	760.6	769.3	782.1	788.0	785.4	783.8
-55°	545.7	579.9	618.7	650.9	672.9	683.5	695.9	706.5	710.1	707.8	715.6
-57.5°	486.8	519.6	554.0	581.7	602.2	613.9	627.2	634.6	637.6	635.7	648.7
-60°	432.6	463.0	492.5	517.2	534.7	548.9	561.1	567.7	569.1	572.1	584.7
-62.5°	380.6	410.3	435.1	455.6	472.0	485.7	497.0	503.3	504.4	511.9	522.9
-65°	331.9	358.8	381.4	399.2	411.8	426.3	436.3	441.3	442.9	453.1	462.7
-67.5°	284.1	309.2	329.5	345.4	358.0	369.8	378.7	384.6	387.1	396.4	404.2
-70°	243.5	261.1	279.4	294.5	305.8	315.3	323.3	328.7	334.3	343.6	350.5
-72.5°	204.4	219.7	233.2	244.9	255.5	263.6	269.6	273.6	279.8	288.9	296.3
-75°	167.1	178.5	190.0	200.0	207.9	213.7	218.0	221.5	227.6	235.4	242.1
-77.5°	131.4	140.7	149.0	156.1	161.9	167.0	170.6	172.8	178.0	183.9	189.1
-80°	96.9	103.0	109.4	115.0	120.4	124.5	127.1	128.1	131.4	135.5	139.7
-82.5°	64.8	70.3	74.6	77.9	81.6	84.9	87.7	90.1	92.6	95.0	97.1
-85°	35.3	37.7	41.7	45.1	48.1	50.8	53.0	54.9	56.8	58.5	59.7
-87.5°	17.6	18.8	20.0	21.0	22.0	22.9	23.7	24.5	25.5	26.5	27.4
-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: P558958 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-935-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	28.3	27.9	27.3	26.6	25.8	25.9	25.8	25.8	25.6	25.4	25.1
85°	60.7	61.8	62.9	63.9	64.9	66.0	66.9	67.7	68.3	68.2	67.9
82.5°	98.8	102.1	105.3	108.4	111.3	112.9	114.1	114.8	115.2	116.2	116.9
80°	143.3	148.2	152.6	156.4	159.4	161.6	163.4	164.9	166.0	167.2	168.0
77.5°	193.9	199.3	204.5	209.0	212.9	216.5	219.6	222.1	223.9	226.7	229.3
75°	247.7	253.8	260.2	265.9	271.0	276.3	281.6	286.4	290.8	294.4	297.2
72.5°	302.0	308.4	316.3	323.6	330.4	337.7	344.7	351.0	356.3	361.4	366.0
70°	355.7	361.7	371.8	381.6	390.7	399.4	407.9	415.6	422.4	429.0	434.9
67.5°	411.1	417.4	430.0	441.3	451.4	460.9	470.9	479.8	487.5	494.5	500.5
65°	470.2	475.8	489.4	501.8	512.5	521.4	532.1	541.9	550.5	558.2	564.6
62.5°	531.3	537.0	548.2	560.4	570.6	579.1	591.8	602.8	612.0	619.8	626.2
60°	593.5	598.3	606.9	620.4	631.8	641.2	652.3	662.9	671.9	679.5	686.3
57.5°	657.9	662.8	667.0	680.4	691.4	699.9	709.6	720.1	728.8	736.0	743.1
55°	724.5	728.3	727.0	739.4	749.7	756.7	763.9	775.0	783.6	790.0	796.5
52.5°	792.6	797.1	794.0	799.2	810.5	816.8	819.9	831.8	840.7	846.4	852.3
50°	868.4	872.0	869.2	866.2	877.1	883.6	885.4	895.0	903.1	907.5	911.7
47.5°	950.7	955.0	952.8	940.9	950.6	958.8	959.1	963.2	971.6	974.9	977.4
45°	1040.0	1048.5	1046.7	1038.4	1037.1	1045.5	1044.7	1041.4	1051.0	1055.3	1056.7
42.5°	1157.4	1154.6	1157.2	1152.4	1137.6	1147.2	1148.4	1136.3	1148.4	1153.6	1150.6
40°	1300.9	1274.7	1289.2	1287.0	1273.2	1271.1	1278.6	1268.8	1270.6	1278.1	1272.3
37.5°	1471.7	1453.0	1445.2	1451.6	1447.6	1430.0	1444.0	1440.6	1429.4	1442.0	1436.4
35°	1682.1	1676.4	1634.2	1659.9	1665.3	1648.4	1653.3	1660.6	1636.4	1655.4	1653.4
32.5°	1928.0	1940.4	1931.3	1915.5	1939.5	1942.5	1914.7	1948.1	1934.7	1939.5	1952.6
30°	2206.4	2270.3	2301.4	2273.6	2288.6	2318.3	2304.7	2327.9	2339.0	2321.6	2354.4
27.5°	2692.9	2670.2	2744.8	2777.2	2742.5	2796.7	2836.1	2818.7	2876.3	2842.2	2890.9
25°	3311.2	3277.9	3297.9	3405.0	3428.8	3401.3	3512.3	3525.4	3571.1	3576.7	3610.7
22.5°	4037.6	4118.0	4108.7	4141.3	4275.9	4320.9	4361.9	4468.7	4444.4	4541.2	4558.0
20°	4849.9	5051.9	5191.2	5220.4	5277.9	5432.7	5503.7	5588.0	5644.6	5736.2	5813.7
17.5°	6223.9	6120.3	6393.4	6564.9	6655.1	6687.3	6873.7	6934.5	7074.6	7154.5	7234.0
15°	7988.0	8048.3	7925.1	8088.6	8364.8	8458.1	8350.8	8601.2	8671.6	8806.4	8830.3
12.5°	9873.5	10178.8	10328.5	10369.1	10224.7	10617.6	10775.0	10577.4	10801.6	10761.2	10945.6
10°	11672.7	12414.4	12858.3	13170.6	13360.4	13474.8	13588.4	13792.6	13796.2	13947.5	13859.1
7.5°	13149.8	14090.2	14988.5	15859.8	16556.9	16947.7	17254.5	17548.8	17941.5	18129.5	18251.7
5°	14594.9	15679.9	16754.7	17811.0	18767.5	19687.8	20589.8	21372.2	21786.8	22271.3	22703.3
2.5°	15529.6	16902.0	18274.6	19634.2	20739.4	21753.6	22692.4	23564.3	24329.1	25036.7	25634.3
0°	15712.1	17247.9	18679.7	20036.3	21280.8	22533.4	23627.2	24613.0	25446.1	26197.7	26704.8
-2.5°	15529.6	16902.0	18274.6	19634.2	20739.4	21753.6	22692.4	23564.3	24329.1	25036.7	25634.3
-5°	14594.9	15679.9	16754.7	17811.0	18767.5	19687.8	20589.8	21372.2	21786.8	22271.3	22703.3
-7.5°	13149.8	14090.2	14988.5	15859.8	16556.9	16947.7	17254.5	17548.8	17941.5	18129.5	18251.7
-10°	11672.7	12414.4	12858.3	13170.6	13360.4	13474.8	13588.4	13792.6	13796.2	13947.5	13859.1
-12.5°	9873.5	10178.8	10328.5	10369.1	10224.7	10617.6	10775.0	10577.4	10801.6	10761.2	10945.6
-15°	7988.0	8048.3	7925.1	8088.6	8364.8	8458.1	8350.8	8601.2	8671.6	8806.4	8830.3
-17.5°	6223.9	6120.3	6393.4	6564.9	6655.1	6687.3	6873.7	6934.5	7074.6	7154.5	7234.0
-20°	4849.9	5051.9	5191.2	5220.4	5277.9	5432.7	5503.7	5588.0	5644.6	5736.2	5813.7



REPORT NUMBER: P558958 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-935-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4037.6	4118.0	4108.7	4141.3	4275.9	4320.9	4361.9	4468.7	4444.4	4541.2	4558.0
-25°	3311.2	3277.9	3297.9	3405.0	3428.8	3401.3	3512.3	3525.4	3571.1	3576.7	3610.7
-27.5°	2692.9	2670.2	2744.8	2777.2	2742.5	2796.7	2836.1	2818.7	2876.3	2842.2	2890.9
-30°	2206.4	2270.3	2301.4	2273.6	2288.6	2318.3	2304.7	2327.9	2339.0	2321.6	2354.4
-32.5°	1928.0	1940.4	1931.3	1915.5	1939.5	1942.5	1914.7	1948.1	1934.7	1939.5	1952.6
-35°	1682.1	1676.4	1634.2	1659.9	1665.3	1648.4	1653.3	1660.6	1636.4	1655.4	1653.4
-37.5°	1471.7	1453.0	1445.2	1451.6	1447.6	1430.0	1444.0	1440.6	1429.4	1442.0	1436.4
-40°	1300.9	1274.7	1289.2	1287.0	1273.2	1271.1	1278.6	1268.8	1270.6	1278.1	1272.3
-42.5°	1157.4	1154.6	1157.2	1152.4	1137.6	1147.2	1148.4	1136.3	1148.4	1153.6	1150.6
-45°	1040.0	1048.5	1046.7	1038.4	1037.1	1045.5	1044.7	1041.4	1051.0	1055.3	1056.7
-47.5°	950.7	955.0	952.8	940.9	950.6	958.8	959.1	963.2	971.6	974.9	977.4
-50°	868.4	872.0	869.2	866.2	877.1	883.6	885.4	895.0	903.1	907.5	911.7
-52.5°	792.6	797.1	794.0	799.2	810.5	816.8	819.9	831.8	840.7	846.4	852.3
-55°	724.5	728.3	727.0	739.4	749.7	756.7	763.9	775.0	783.6	790.0	796.5
-57.5°	657.9	662.8	667.0	680.4	691.4	699.9	709.6	720.1	728.8	736.0	743.1
-60°	593.5	598.3	606.9	620.4	631.8	641.2	652.3	662.9	671.9	679.5	686.3
-62.5°	531.3	537.0	548.2	560.4	570.6	579.1	591.8	602.8	612.0	619.8	626.2
-65°	470.2	475.8	489.4	501.8	512.5	521.4	532.1	541.9	550.5	558.2	564.6
-67.5°	411.1	417.4	430.0	441.3	451.4	460.9	470.9	479.8	487.5	494.5	500.5
-70°	355.7	361.7	371.8	381.6	390.7	399.4	407.9	415.6	422.4	429.0	434.9
-72.5°	302.0	308.4	316.3	323.6	330.4	337.7	344.7	351.0	356.3	361.4	366.0
-75°	247.7	253.8	260.2	265.9	271.0	276.3	281.6	286.4	290.8	294.4	297.2
-77.5°	193.9	199.3	204.5	209.0	212.9	216.5	219.6	222.1	223.9	226.7	229.3
-80°	143.3	148.2	152.6	156.4	159.4	161.6	163.4	164.9	166.0	167.2	168.0
-82.5°	98.8	102.1	105.3	108.4	111.3	112.9	114.1	114.8	115.2	116.2	116.9
-85°	60.7	61.8	62.9	63.9	64.9	66.0	66.9	67.7	68.3	68.2	67.9
-87.5°	28.3	27.9	27.3	26.6	25.8	25.9	25.8	25.8	25.6	25.4	25.1
-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: P558958 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-935-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°	24.7	24.3	25.4	26.5	25.4	24.3	24.7	25.1	25.4	25.6	25.8
85°	67.5	66.9	68.2	69.3	68.2	66.9	67.5	67.9	68.2	68.3	67.7
82.5°	117.3	117.5	118.0	118.1	118.0	117.5	117.3	116.9	116.2	115.2	114.8
80°	168.4	168.3	167.9	167.0	167.9	168.3	168.4	168.0	167.2	166.0	164.9
77.5°	231.4	232.9	233.9	234.2	233.9	232.9	231.4	229.3	226.7	223.9	222.1
75°	299.0	300.0	300.1	299.4	300.1	300.0	299.0	297.2	294.4	290.8	286.4
72.5°	369.8	372.7	373.3	372.7	373.3	372.7	369.8	366.0	361.4	356.3	351.0
70°	439.8	443.7	443.6	442.0	443.6	443.7	439.8	434.9	429.0	422.4	415.6
67.5°	505.2	508.8	511.5	513.3	511.5	508.8	505.2	500.5	494.5	487.5	479.8
65°	569.8	573.6	575.7	576.4	575.7	573.6	569.8	564.6	558.2	550.5	541.9
62.5°	631.2	634.7	636.8	637.5	636.8	634.7	631.2	626.2	619.8	612.0	602.8
60°	691.7	695.5	696.2	694.6	696.2	695.5	691.7	686.3	679.5	671.9	662.9
57.5°	748.6	752.5	752.4	749.6	752.4	752.5	748.6	743.1	736.0	728.8	720.1
55°	801.1	803.9	805.0	804.5	805.0	803.9	801.1	796.5	790.0	783.6	775.0
52.5°	856.7	858.9	859.9	859.5	859.9	858.9	856.7	852.3	846.4	840.7	831.8
50°	914.7	915.0	914.9	914.5	914.9	915.0	914.7	911.7	907.5	903.1	895.0
47.5°	981.0	981.6	981.8	981.8	981.8	981.6	981.0	977.4	974.9	971.6	963.2
45°	1059.3	1057.2	1054.9	1055.1	1054.9	1057.2	1059.3	1056.7	1055.3	1051.0	1041.4
42.5°	1153.4	1151.0	1148.0	1148.8	1148.0	1151.0	1153.4	1150.6	1153.6	1148.4	1136.3
40°	1277.3	1276.7	1272.5	1271.0	1272.5	1276.7	1277.3	1272.3	1278.1	1270.6	1268.8
37.5°	1437.3	1435.0	1425.7	1421.7	1425.7	1435.0	1437.3	1436.4	1442.0	1429.4	1440.6
35°	1647.8	1644.6	1630.4	1631.5	1630.4	1644.6	1647.8	1653.4	1655.4	1636.4	1660.6
32.5°	1946.1	1947.1	1925.6	1920.7	1925.6	1947.1	1946.1	1952.6	1939.5	1934.7	1948.1
30°	2334.0	2342.6	2317.3	2328.1	2317.3	2342.6	2334.0	2354.4	2321.6	2339.0	2327.9
27.5°	2890.0	2906.2	2883.9	2865.8	2883.9	2906.2	2890.0	2890.9	2842.2	2876.3	2818.7
25°	3655.3	3667.4	3641.8	3619.4	3641.8	3667.4	3655.3	3610.7	3576.7	3571.1	3525.4
22.5°	4651.4	4650.6	4649.3	4684.7	4649.3	4650.6	4651.4	4558.0	4541.2	4444.4	4468.7
20°	5863.7	5834.3	5878.3	5906.8	5878.3	5834.3	5863.7	5813.7	5736.2	5644.6	5588.0
17.5°	7252.4	7307.4	7349.7	7420.2	7349.7	7307.4	7252.4	7234.0	7154.5	7074.6	6934.5
15°	8890.0	8973.0	9015.3	8992.6	9015.3	8973.0	8890.0	8830.3	8806.4	8671.6	8601.2
12.5°	10952.1	11051.2	10978.0	10886.8	10978.0	11051.2	10952.1	10945.6	10761.2	10801.6	10577.4
10°	13860.4	14073.9	14085.9	13907.5	14085.9	14073.9	13860.4	13859.1	13947.5	13796.2	13792.6
7.5°	18322.8	18426.5	18584.2	18592.2	18584.2	18426.5	18322.8	18251.7	18129.5	17941.5	17548.8
5°	22899.0	23175.5	23353.7	23661.8	23353.7	23175.5	22899.0	22703.3	22271.3	21786.8	21372.2
2.5°	26020.2	26377.5	26514.6	26863.7	26514.6	26377.5	26020.2	25634.3	25036.7	24329.1	23564.3
0°	27157.0	27446.2	27619.4	27757.9	27619.4	27446.2	27157.0	26704.8	26197.7	25446.1	24613.0
-2.5°	26020.2	26377.5	26514.6	26863.7	26514.6	26377.5	26020.2	25634.3	25036.7	24329.1	23564.3
-5°	22899.0	23175.5	23353.7	23661.8	23353.7	23175.5	22899.0	22703.3	22271.3	21786.8	21372.2
-7.5°	18322.8	18426.5	18584.2	18592.2	18584.2	18426.5	18322.8	18251.7	18129.5	17941.5	17548.8
-10°	13860.4	14073.9	14085.9	13907.5	14085.9	14073.9	13860.4	13859.1	13947.5	13796.2	13792.6
-12.5°	10952.1	11051.2	10978.0	10886.8	10978.0	11051.2	10952.1	10945.6	10761.2	10801.6	10577.4
-15°	8890.0	8973.0	9015.3	8992.6	9015.3	8973.0	8890.0	8830.3	8806.4	8671.6	8601.2
-17.5°	7252.4	7307.4	7349.7	7420.2	7349.7	7307.4	7252.4	7234.0	7154.5	7074.6	6934.5
-20°	5863.7	5834.3	5878.3	5906.8	5878.3	5834.3	5863.7	5813.7	5736.2	5644.6	5588.0



REPORT NUMBER: P558958 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-935-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°	4651.4	4650.6	4649.3	4684.7	4649.3	4650.6	4651.4	4558.0	4541.2	4444.4	4468.7
-25°	3655.3	3667.4	3641.8	3619.4	3641.8	3667.4	3655.3	3610.7	3576.7	3571.1	3525.4
-27.5°	2890.0	2906.2	2883.9	2865.8	2883.9	2906.2	2890.0	2890.9	2842.2	2876.3	2818.7
-30°	2334.0	2342.6	2317.3	2328.1	2317.3	2342.6	2334.0	2354.4	2321.6	2339.0	2327.9
-32.5°	1946.1	1947.1	1925.6	1920.7	1925.6	1947.1	1946.1	1952.6	1939.5	1934.7	1948.1
-35°	1647.8	1644.6	1630.4	1631.5	1630.4	1644.6	1647.8	1653.4	1655.4	1636.4	1660.6
-37.5°	1437.3	1435.0	1425.7	1421.7	1425.7	1435.0	1437.3	1436.4	1442.0	1429.4	1440.6
-40°	1277.3	1276.7	1272.5	1271.0	1272.5	1276.7	1277.3	1272.3	1278.1	1270.6	1268.8
-42.5°	1153.4	1151.0	1148.0	1148.8	1148.0	1151.0	1153.4	1150.6	1153.6	1148.4	1136.3
-45°	1059.3	1057.2	1054.9	1055.1	1054.9	1057.2	1059.3	1056.7	1055.3	1051.0	1041.4
-47.5°	981.0	981.6	981.8	981.8	981.8	981.6	981.0	977.4	974.9	971.6	963.2
-50°	914.7	915.0	914.9	914.5	914.9	915.0	914.7	911.7	907.5	903.1	895.0
-52.5°	856.7	858.9	859.9	859.5	859.9	858.9	856.7	852.3	846.4	840.7	831.8
-55°	801.1	803.9	805.0	804.5	805.0	803.9	801.1	796.5	790.0	783.6	775.0
-57.5°	748.6	752.5	752.4	749.6	752.4	752.5	748.6	743.1	736.0	728.8	720.1
-60°	691.7	695.5	696.2	694.6	696.2	695.5	691.7	686.3	679.5	671.9	662.9
-62.5°	631.2	634.7	636.8	637.5	636.8	634.7	631.2	626.2	619.8	612.0	602.8
-65°	569.8	573.6	575.7	576.4	575.7	573.6	569.8	564.6	558.2	550.5	541.9
-67.5°	505.2	508.8	511.5	513.3	511.5	508.8	505.2	500.5	494.5	487.5	479.8
-70°	439.8	443.7	443.6	442.0	443.6	443.7	439.8	434.9	429.0	422.4	415.6
-72.5°	369.8	372.7	373.3	372.7	373.3	372.7	369.8	366.0	361.4	356.3	351.0
-75°	299.0	300.0	300.1	299.4	300.1	300.0	299.0	297.2	294.4	290.8	286.4
-77.5°	231.4	232.9	233.9	234.2	233.9	232.9	231.4	229.3	226.7	223.9	222.1
-80°	168.4	168.3	167.9	167.0	167.9	168.3	168.4	168.0	167.2	166.0	164.9
-82.5°	117.3	117.5	118.0	118.1	118.0	117.5	117.3	116.9	116.2	115.2	114.8
-85°	67.5	66.9	68.2	69.3	68.2	66.9	67.5	67.9	68.2	68.3	67.7
-87.5°	24.7	24.3	25.4	26.5	25.4	24.3	24.7	25.1	25.4	25.6	25.8
-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°	25.8	25.9	25.8	26.6	27.3	27.9	28.3	27.4	26.5	25.5	24.5
85°	66.9	66.0	64.9	63.9	62.9	61.8	60.7	59.7	58.5	56.8	54.9
82.5°	114.1	112.9	111.3	108.4	105.3	102.1	98.8	97.1	95.0	92.6	90.1
80°	163.4	161.6	159.4	156.4	152.6	148.2	143.3	139.7	135.5	131.4	128.1
77.5°	219.6	216.5	212.9	209.0	204.5	199.3	193.9	189.1	183.9	178.0	172.8
75°	281.6	276.3	271.0	265.9	260.2	253.8	247.7	242.1	235.4	227.6	221.5
72.5°	344.7	337.7	330.4	323.6	316.3	308.4	302.0	296.3	288.9	279.8	273.6
70°	407.9	399.4	390.7	381.6	371.8	361.7	355.7	350.5	343.6	334.3	328.7
67.5°	470.9	460.9	451.4	441.3	430.0	417.4	411.1	404.2	396.4	387.1	384.6
65°	532.1	521.4	512.5	501.8	489.4	475.8	470.2	462.7	453.1	442.9	441.3
62.5°	591.8	579.1	570.6	560.4	548.2	537.0	531.3	522.9	511.9	504.4	503.3
60°	652.3	641.2	631.8	620.4	606.9	598.3	593.5	584.7	572.1	569.1	567.7
57.5°	709.6	699.9	691.4	680.4	667.0	662.8	657.9	648.7	635.7	637.6	634.6
55°	763.9	756.7	749.7	739.4	727.0	728.3	724.5	715.6	707.8	710.1	706.5
52.5°	819.9	816.8	810.5	799.2	794.0	797.1	792.6	783.8	785.4	788.0	782.1
50°	885.4	883.6	877.1	866.2	869.2	872.0	868.4	857.4	867.9	870.3	862.6
47.5°	959.1	958.8	950.6	940.9	952.8	955.0	950.7	951.4	960.4	957.9	948.5
45°	1044.7	1045.5	1037.1	1038.4	1046.7	1048.5	1040.0	1055.8	1061.4	1056.1	1039.2
42.5°	1148.4	1147.2	1137.6	1152.4	1157.2	1154.6	1157.4	1173.7	1173.9	1162.1	1162.9
40°	1278.6	1271.1	1273.2	1287.0	1289.2	1274.7	1300.9	1307.2	1301.5	1279.5	1310.3
37.5°	1444.0	1430.0	1447.6	1451.6	1445.2	1453.0	1471.7	1467.8	1443.2	1464.8	1484.0
35°	1653.3	1648.4	1665.3	1659.9	1634.2	1676.4	1682.1	1655.6	1646.7	1686.2	1683.9
32.5°	1914.7	1942.5	1939.5	1915.5	1931.3	1940.4	1928.0	1883.4	1940.3	1955.4	1920.6
30°	2304.7	2318.3	2288.6	2273.6	2301.4	2270.3	2206.4	2271.4	2296.1	2265.3	2188.1
27.5°	2836.1	2796.7	2742.5	2777.2	2744.8	2670.2	2692.9	2725.8	2697.2	2622.8	2535.3
25°	3512.3	3401.3	3428.8	3405.0	3297.9	3277.9	3311.2	3273.9	3170.3	3059.0	3181.3
22.5°	4361.9	4320.9	4275.9	4141.3	4108.7	4118.0	4037.6	3887.8	3796.6	3913.4	3917.1
20°	5503.7	5432.7	5277.9	5220.4	5191.2	5051.9	4849.9	4829.3	4924.9	4875.8	4728.0
17.5°	6873.7	6687.3	6655.1	6564.9	6393.4	6120.3	6223.9	6259.6	6168.4	5913.6	5603.2
15°	8350.8	8458.1	8364.8	8088.6	7925.1	8048.3	7988.0	7788.7	7512.2	7046.0	6517.8
12.5°	10775.0	10617.6	10224.7	10369.1	10328.5	10178.8	9873.5	9435.0	8861.1	8105.9	7345.0
10°	13588.4	13474.8	13360.4	13170.6	12858.3	12414.4	11672.7	10849.0	9991.5	9100.8	8176.5
7.5°	17254.5	16947.7	16556.9	15859.8	14988.5	14090.2	13149.8	12166.9	11119.8	10080.6	9000.5
5°	20589.8	19687.8	18767.5	17811.0	16754.7	15679.9	14594.9	13462.2	12228.4	11031.8	9799.4
2.5°	22692.4	21753.6	20739.4	19634.2	18274.6	16902.0	15529.6	14157.8	12688.9	11305.4	9922.6
0°	23627.2	22533.4	21280.8	20036.3	18679.7	17247.9	15712.1	14304.6	12801.5	11394.0	9992.7
-2.5°	22692.4	21753.6	20739.4	19634.2	18274.6	16902.0	15529.6	14157.8	12688.9	11305.4	9922.6
-5°	20589.8	19687.8	18767.5	17811.0	16754.7	15679.9	14594.9	13462.2	12228.4	11031.8	9799.4
-7.5°	17254.5	16947.7	16556.9	15859.8	14988.5	14090.2	13149.8	12166.9	11119.8	10080.6	9000.5
-10°	13588.4	13474.8	13360.4	13170.6	12858.3	12414.4	11672.7	10849.0	9991.5	9100.8	8176.5
-12.5°	10775.0	10617.6	10224.7	10369.1	10328.5	10178.8	9873.5	9435.0	8861.1	8105.9	7345.0
-15°	8350.8	8458.1	8364.8	8088.6	7925.1	8048.3	7988.0	7788.7	7512.2	7046.0	6517.8
-17.5°	6873.7	6687.3	6655.1	6564.9	6393.4	6120.3	6223.9	6259.6	6168.4	5913.6	5603.2
-20°	5503.7	5432.7	5277.9	5220.4	5191.2	5051.9	4849.9	4829.3	4924.9	4875.8	4728.0



REPORT NUMBER: P558958 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-935-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4361.9	4320.9	4275.9	4141.3	4108.7	4118.0	4037.6	3887.8	3796.6	3913.4	3917.1
-25°	3512.3	3401.3	3428.8	3405.0	3297.9	3277.9	3311.2	3273.9	3170.3	3059.0	3181.3
-27.5°	2836.1	2796.7	2742.5	2777.2	2744.8	2670.2	2692.9	2725.8	2697.2	2622.8	2535.3
-30°	2304.7	2318.3	2288.6	2273.6	2301.4	2270.3	2206.4	2271.4	2296.1	2265.3	2188.1
-32.5°	1914.7	1942.5	1939.5	1915.5	1931.3	1940.4	1928.0	1883.4	1940.3	1955.4	1920.6
-35°	1653.3	1648.4	1665.3	1659.9	1634.2	1676.4	1682.1	1655.6	1646.7	1686.2	1683.9
-37.5°	1444.0	1430.0	1447.6	1451.6	1445.2	1453.0	1471.7	1467.8	1443.2	1464.8	1484.0
-40°	1278.6	1271.1	1273.2	1287.0	1289.2	1274.7	1300.9	1307.2	1301.5	1279.5	1310.3
-42.5°	1148.4	1147.2	1137.6	1152.4	1157.2	1154.6	1157.4	1173.7	1173.9	1162.1	1162.9
-45°	1044.7	1045.5	1037.1	1038.4	1046.7	1048.5	1040.0	1055.8	1061.4	1056.1	1039.2
-47.5°	959.1	958.8	950.6	940.9	952.8	955.0	950.7	951.4	960.4	957.9	948.5
-50°	885.4	883.6	877.1	866.2	869.2	872.0	868.4	857.4	867.9	870.3	862.6
-52.5°	819.9	816.8	810.5	799.2	794.0	797.1	792.6	783.8	785.4	788.0	782.1
-55°	763.9	756.7	749.7	739.4	727.0	728.3	724.5	715.6	707.8	710.1	706.5
-57.5°	709.6	699.9	691.4	680.4	667.0	662.8	657.9	648.7	635.7	637.6	634.6
-60°	652.3	641.2	631.8	620.4	606.9	598.3	593.5	584.7	572.1	569.1	567.7
-62.5°	591.8	579.1	570.6	560.4	548.2	537.0	531.3	522.9	511.9	504.4	503.3
-65°	532.1	521.4	512.5	501.8	489.4	475.8	470.2	462.7	453.1	442.9	441.3
-67.5°	470.9	460.9	451.4	441.3	430.0	417.4	411.1	404.2	396.4	387.1	384.6
-70°	407.9	399.4	390.7	381.6	371.8	361.7	355.7	350.5	343.6	334.3	328.7
-72.5°	344.7	337.7	330.4	323.6	316.3	308.4	302.0	296.3	288.9	279.8	273.6
-75°	281.6	276.3	271.0	265.9	260.2	253.8	247.7	242.1	235.4	227.6	221.5
-77.5°	219.6	216.5	212.9	209.0	204.5	199.3	193.9	189.1	183.9	178.0	172.8
-80°	163.4	161.6	159.4	156.4	152.6	148.2	143.3	139.7	135.5	131.4	128.1
-82.5°	114.1	112.9	111.3	108.4	105.3	102.1	98.8	97.1	95.0	92.6	90.1
-85°	66.9	66.0	64.9	63.9	62.9	61.8	60.7	59.7	58.5	56.8	54.9
-87.5°	25.8	25.9	25.8	26.6	27.3	27.9	28.3	27.4	26.5	25.5	24.5
-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: P558958 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-935-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°	23.7	22.9	22.0	21.0	20.0	18.8	17.6	16.4	15.2	13.9	12.6
85°	53.0	50.8	48.1	45.1	41.7	37.7	35.3	32.7	30.4	27.9	25.1
82.5°	87.7	84.9	81.6	77.9	74.6	70.3	64.8	58.2	50.8	42.7	37.6
80°	127.1	124.5	120.4	115.0	109.4	103.0	96.9	89.2	79.8	69.3	57.9
77.5°	170.6	167.0	161.9	156.1	149.0	140.7	131.4	120.7	108.7	96.0	82.0
75°	218.0	213.7	207.9	200.0	190.0	178.5	167.1	154.5	139.9	122.9	106.0
72.5°	269.6	263.6	255.5	244.9	233.2	219.7	204.4	188.4	172.1	153.0	130.9
70°	323.3	315.3	305.8	294.5	279.4	261.1	243.5	225.5	204.5	183.1	158.5
67.5°	378.7	369.8	358.0	345.4	329.5	309.2	284.1	263.8	241.2	213.3	186.0
65°	436.3	426.3	411.8	399.2	381.4	358.8	331.9	304.8	278.3	248.1	213.4
62.5°	497.0	485.7	472.0	455.6	435.1	410.3	380.6	351.7	317.1	283.1	244.1
60°	561.1	548.9	534.7	517.2	492.5	463.0	432.6	398.9	361.0	318.2	276.1
57.5°	627.2	613.9	602.2	581.7	554.0	519.6	486.8	449.9	405.2	357.6	308.2
55°	695.9	683.5	672.9	650.9	618.7	579.9	545.7	503.7	450.9	397.9	340.1
52.5°	769.3	760.6	747.8	723.4	688.0	646.5	612.5	559.1	502.8	438.0	375.8
50°	846.7	846.5	829.7	800.2	759.7	725.4	682.7	624.8	555.5	480.5	412.2
47.5°	942.2	940.8	921.0	882.7	836.3	810.4	762.1	694.0	609.0	529.0	448.8
45°	1050.6	1043.3	1019.1	976.2	934.7	906.8	848.0	765.7	674.3	578.7	485.4
42.5°	1170.9	1157.9	1124.2	1074.3	1057.5	1013.5	938.4	847.3	741.2	628.3	526.0
40°	1311.8	1284.3	1237.8	1212.6	1195.1	1129.0	1042.7	933.2	809.5	681.4	569.0
37.5°	1467.7	1427.4	1365.4	1384.5	1348.2	1266.5	1154.4	1021.9	880.9	741.5	611.4
35°	1650.0	1586.9	1588.3	1585.6	1523.6	1413.5	1271.8	1118.0	960.0	801.4	653.3
32.5°	1849.5	1833.1	1861.2	1815.7	1715.5	1569.6	1403.3	1223.7	1040.2	860.9	694.4
30°	2132.7	2200.4	2170.5	2068.8	1927.4	1748.5	1544.4	1331.8	1121.1	919.7	736.7
27.5°	2621.0	2618.7	2518.8	2361.2	2165.2	1938.3	1687.2	1441.8	1202.3	981.3	784.6
25°	3172.2	3093.2	2921.5	2683.0	2417.4	2128.3	1832.2	1553.6	1290.6	1047.7	831.2
22.5°	3801.7	3610.1	3358.1	3025.8	2666.8	2323.7	1986.8	1675.7	1382.0	1112.8	876.1
20°	4482.5	4161.5	3815.0	3361.8	2936.0	2536.5	2150.4	1796.8	1472.1	1176.2	919.1
17.5°	5211.5	4730.4	4250.1	3725.7	3218.5	2751.0	2313.6	1915.9	1560.1	1237.5	960.1
15°	5917.8	5299.3	4698.0	4092.1	3502.2	2965.1	2474.8	2032.0	1645.4	1296.2	992.3
12.5°	6614.1	5876.0	5152.2	4456.8	3783.6	3176.3	2632.3	2144.0	1727.2	1338.3	1013.3
10°	7309.0	6452.5	5606.0	4815.1	4059.2	3382.0	2784.2	2231.4	1765.7	1365.2	1030.7
7.5°	7993.5	7020.1	6052.2	5162.2	4296.6	3516.4	2849.2	2270.9	1791.1	1386.9	1044.4
5°	8552.0	7390.6	6255.2	5265.2	4363.4	3569.8	2889.2	2301.6	1808.6	1403.3	1054.4
2.5°	8627.4	7451.4	6285.4	5305.8	4407.9	3606.3	2915.9	2322.9	1818.5	1414.3	1060.7
0°	8656.5	7471.1	6281.6	5318.2	4430.1	3625.6	2929.0	2334.2	1820.9	1419.7	1063.2
-2.5°	8627.4	7451.4	6285.4	5305.8	4407.9	3606.3	2915.9	2322.9	1818.5	1414.3	1060.7
-5°	8552.0	7390.6	6255.2	5265.2	4363.4	3569.8	2889.2	2301.6	1808.6	1403.3	1054.4
-7.5°	7993.5	7020.1	6052.2	5162.2	4296.6	3516.4	2849.2	2270.9	1791.1	1386.9	1044.4
-10°	7309.0	6452.5	5606.0	4815.1	4059.2	3382.0	2784.2	2231.4	1765.7	1365.2	1030.7
-12.5°	6614.1	5876.0	5152.2	4456.8	3783.6	3176.3	2632.3	2144.0	1727.2	1338.3	1013.3
-15°	5917.8	5299.3	4698.0	4092.1	3502.2	2965.1	2474.8	2032.0	1645.4	1296.2	992.3
-17.5°	5211.5	4730.4	4250.1	3725.7	3218.5	2751.0	2313.6	1915.9	1560.1	1237.5	960.1
-20°	4482.5	4161.5	3815.0	3361.8	2936.0	2536.5	2150.4	1796.8	1472.1	1176.2	919.1



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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°	3801.7	3610.1	3358.1	3025.8	2666.8	2323.7	1986.8	1675.7	1382.0	1112.8	876.1
-25°	3172.2	3093.2	2921.5	2683.0	2417.4	2128.3	1832.2	1553.6	1290.6	1047.7	831.2
-27.5°	2621.0	2618.7	2518.8	2361.2	2165.2	1938.3	1687.2	1441.8	1202.3	981.3	784.6
-30°	2132.7	2200.4	2170.5	2068.8	1927.4	1748.5	1544.4	1331.8	1121.1	919.7	736.7
-32.5°	1849.5	1833.1	1861.2	1815.7	1715.5	1569.6	1403.3	1223.7	1040.2	860.9	694.4
-35°	1650.0	1586.9	1588.3	1585.6	1523.6	1413.5	1271.8	1118.0	960.0	801.4	653.3
-37.5°	1467.7	1427.4	1365.4	1384.5	1348.2	1266.5	1154.4	1021.9	880.9	741.5	611.4
-40°	1311.8	1284.3	1237.8	1212.6	1195.1	1129.0	1042.7	933.2	809.5	681.4	569.0
-42.5°	1170.9	1157.9	1124.2	1074.3	1057.5	1013.5	938.4	847.3	741.2	628.3	526.0
-45°	1050.6	1043.3	1019.1	976.2	934.7	906.8	848.0	765.7	674.3	578.7	485.4
-47.5°	942.2	940.8	921.0	882.7	836.3	810.4	762.1	694.0	609.0	529.0	448.8
-50°	846.7	846.5	829.7	800.2	759.7	725.4	682.7	624.8	555.5	480.5	412.2
-52.5°	769.3	760.6	747.8	723.4	688.0	646.5	612.5	559.1	502.8	438.0	375.8
-55°	695.9	683.5	672.9	650.9	618.7	579.9	545.7	503.7	450.9	397.9	340.1
-57.5°	627.2	613.9	602.2	581.7	554.0	519.6	486.8	449.9	405.2	357.6	308.2
-60°	561.1	548.9	534.7	517.2	492.5	463.0	432.6	398.9	361.0	318.2	276.1
-62.5°	497.0	485.7	472.0	455.6	435.1	410.3	380.6	351.7	317.1	283.1	244.1
-65°	436.3	426.3	411.8	399.2	381.4	358.8	331.9	304.8	278.3	248.1	213.4
-67.5°	378.7	369.8	358.0	345.4	329.5	309.2	284.1	263.8	241.2	213.3	186.0
-70°	323.3	315.3	305.8	294.5	279.4	261.1	243.5	225.5	204.5	183.1	158.5
-72.5°	269.6	263.6	255.5	244.9	233.2	219.7	204.4	188.4	172.1	153.0	130.9
-75°	218.0	213.7	207.9	200.0	190.0	178.5	167.1	154.5	139.9	122.9	106.0
-77.5°	170.6	167.0	161.9	156.1	149.0	140.7	131.4	120.7	108.7	96.0	82.0
-80°	127.1	124.5	120.4	115.0	109.4	103.0	96.9	89.2	79.8	69.3	57.9
-82.5°	87.7	84.9	81.6	77.9	74.6	70.3	64.8	58.2	50.8	42.7	37.6
-85°	53.0	50.8	48.1	45.1	41.7	37.7	35.3	32.7	30.4	27.9	25.1
-87.5°	23.7	22.9	22.0	21.0	20.0	18.8	17.6	16.4	15.2	13.9	12.6
-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°	11.1	9.8	8.3	6.6	4.6	2.3	0.0
85°	22.2	19.6	16.6	13.2	9.2	4.6	0.0
82.5°	33.2	29.4	24.9	19.7	13.8	6.9	0.0
80°	45.6	39.2	33.2	26.3	18.4	9.2	0.0
77.5°	67.0	52.1	41.5	32.8	22.9	11.5	0.0
75°	88.4	70.5	51.0	39.3	27.4	13.7	0.0
72.5°	109.7	88.9	66.1	45.7	31.8	15.9	0.0
70°	131.4	107.1	81.2	53.1	36.2	18.1	0.0
67.5°	156.1	125.2	96.1	64.6	40.5	20.3	0.0
65°	180.8	144.9	110.8	75.9	44.8	22.4	0.0
62.5°	205.3	166.1	125.4	87.1	48.9	24.5	0.0
60°	229.7	187.1	139.8	98.1	52.9	26.5	0.0
57.5°	257.4	207.8	156.7	108.9	60.1	28.5	0.0
55°	285.2	228.4	173.4	119.5	67.1	30.4	0.0
52.5°	312.7	249.1	189.9	129.8	74.0	32.3	0.0
50°	339.7	271.8	206.1	139.9	80.6	34.1	0.0
47.5°	367.0	294.1	222.0	150.2	87.1	35.8	0.0
45°	398.6	315.8	237.5	161.9	93.3	37.5	0.0
42.5°	430.0	337.0	252.5	173.2	99.3	39.1	0.0
40°	461.1	357.6	268.0	183.7	105.0	40.6	0.0
37.5°	491.8	377.6	283.8	193.5	110.5	42.0	0.0
35°	522.1	400.3	299.0	202.7	115.7	43.4	0.0
32.5°	553.1	424.0	313.6	211.2	120.6	44.7	0.0
30°	586.2	447.0	327.5	219.1	125.2	45.9	0.0
27.5°	618.2	469.2	339.0	226.4	129.6	47.0	0.0
25°	648.9	490.4	349.7	233.0	133.6	48.0	0.0
22.5°	678.4	509.3	359.5	239.0	137.3	49.0	0.0
20°	706.3	523.8	368.6	244.3	140.7	49.8	0.0
17.5°	727.3	536.5	376.8	248.9	143.7	50.5	0.0
15°	743.0	547.4	384.1	252.9	146.4	51.2	0.0
12.5°	756.5	556.5	390.5	256.1	148.7	51.7	0.0
10°	767.6	563.9	395.9	258.8	150.7	52.2	0.0
7.5°	776.4	569.6	400.4	260.7	152.3	52.5	0.0
5°	782.8	573.6	403.8	262.1	153.5	52.8	0.0
2.5°	786.8	575.8	406.1	262.8	154.3	52.9	0.0
0°	788.3	576.4	407.4	262.8	154.8	53.0	0.0
-2.5°	786.8	575.8	406.1	262.8	154.3	52.9	0.0
-5°	782.8	573.6	403.8	262.1	153.5	52.8	0.0
-7.5°	776.4	569.6	400.4	260.7	152.3	52.5	0.0
-10°	767.6	563.9	395.9	258.8	150.7	52.2	0.0
-12.5°	756.5	556.5	390.5	256.1	148.7	51.7	0.0
-15°	743.0	547.4	384.1	252.9	146.4	51.2	0.0
-17.5°	727.3	536.5	376.8	248.9	143.7	50.5	0.0
-20°	706.3	523.8	368.6	244.3	140.7	49.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	678.4	509.3	359.5	239.0	137.3	49.0	0.0
-25°	648.9	490.4	349.7	233.0	133.6	48.0	0.0
-27.5°	618.2	469.2	339.0	226.4	129.6	47.0	0.0
-30°	586.2	447.0	327.5	219.1	125.2	45.9	0.0
-32.5°	553.1	424.0	313.6	211.2	120.6	44.7	0.0
-35°	522.1	400.3	299.0	202.7	115.7	43.4	0.0
-37.5°	491.8	377.6	283.8	193.5	110.5	42.0	0.0
-40°	461.1	357.6	268.0	183.7	105.0	40.6	0.0
-42.5°	430.0	337.0	252.5	173.2	99.3	39.1	0.0
-45°	398.6	315.8	237.5	161.9	93.3	37.5	0.0
-47.5°	367.0	294.1	222.0	150.2	87.1	35.8	0.0
-50°	339.7	271.8	206.1	139.9	80.6	34.1	0.0
-52.5°	312.7	249.1	189.9	129.8	74.0	32.3	0.0
-55°	285.2	228.4	173.4	119.5	67.1	30.4	0.0
-57.5°	257.4	207.8	156.7	108.9	60.1	28.5	0.0
-60°	229.7	187.1	139.8	98.1	52.9	26.5	0.0
-62.5°	205.3	166.1	125.4	87.1	48.9	24.5	0.0
-65°	180.8	144.9	110.8	75.9	44.8	22.4	0.0
-67.5°	156.1	125.2	96.1	64.6	40.5	20.3	0.0
-70°	131.4	107.1	81.2	53.1	36.2	18.1	0.0
-72.5°	109.7	88.9	66.1	45.7	31.8	15.9	0.0
-75°	88.4	70.5	51.0	39.3	27.4	13.7	0.0
-77.5°	67.0	52.1	41.5	32.8	22.9	11.5	0.0
-80°	45.6	39.2	33.2	26.3	18.4	9.2	0.0
-82.5°	33.2	29.4	24.9	19.7	13.8	6.9	0.0
-85°	22.2	19.6	16.6	13.2	9.2	4.6	0.0
-87.5°	11.1	9.8	8.3	6.6	4.6	2.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)