

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: P559070 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-927-U-NAT-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559070 (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-927-U-NAT-XX
Description: GALLEON FLOOD, FIVE LIGHT SQUARE, NARROW ASYMMETRICAL RECTANGULAR 6x4
Light Source: (80) 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

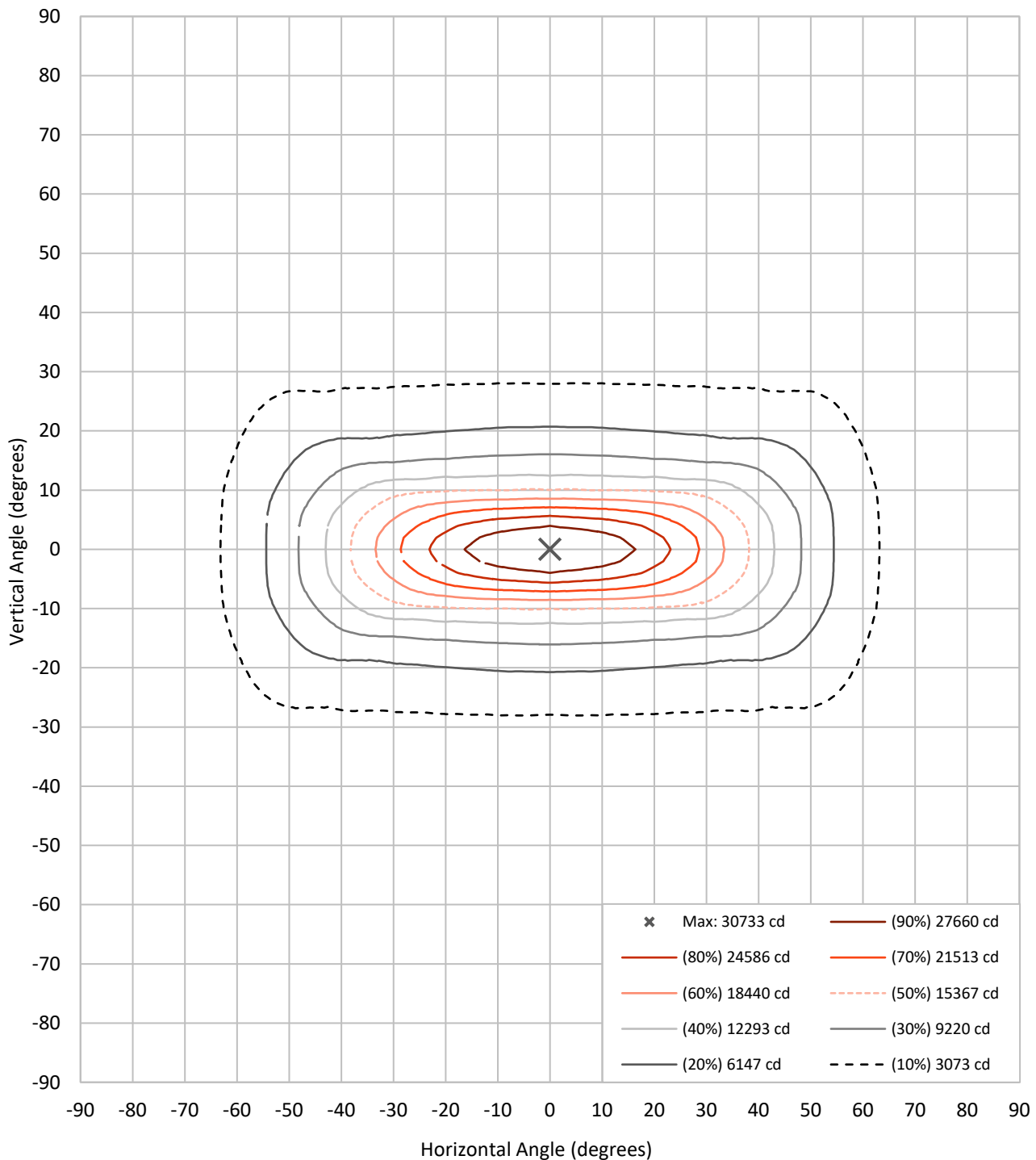
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	22010.4 lumens	Max Intensity:	30733 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	82.7 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:	8806.3 lumens	Field Lumens:	18039.8 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





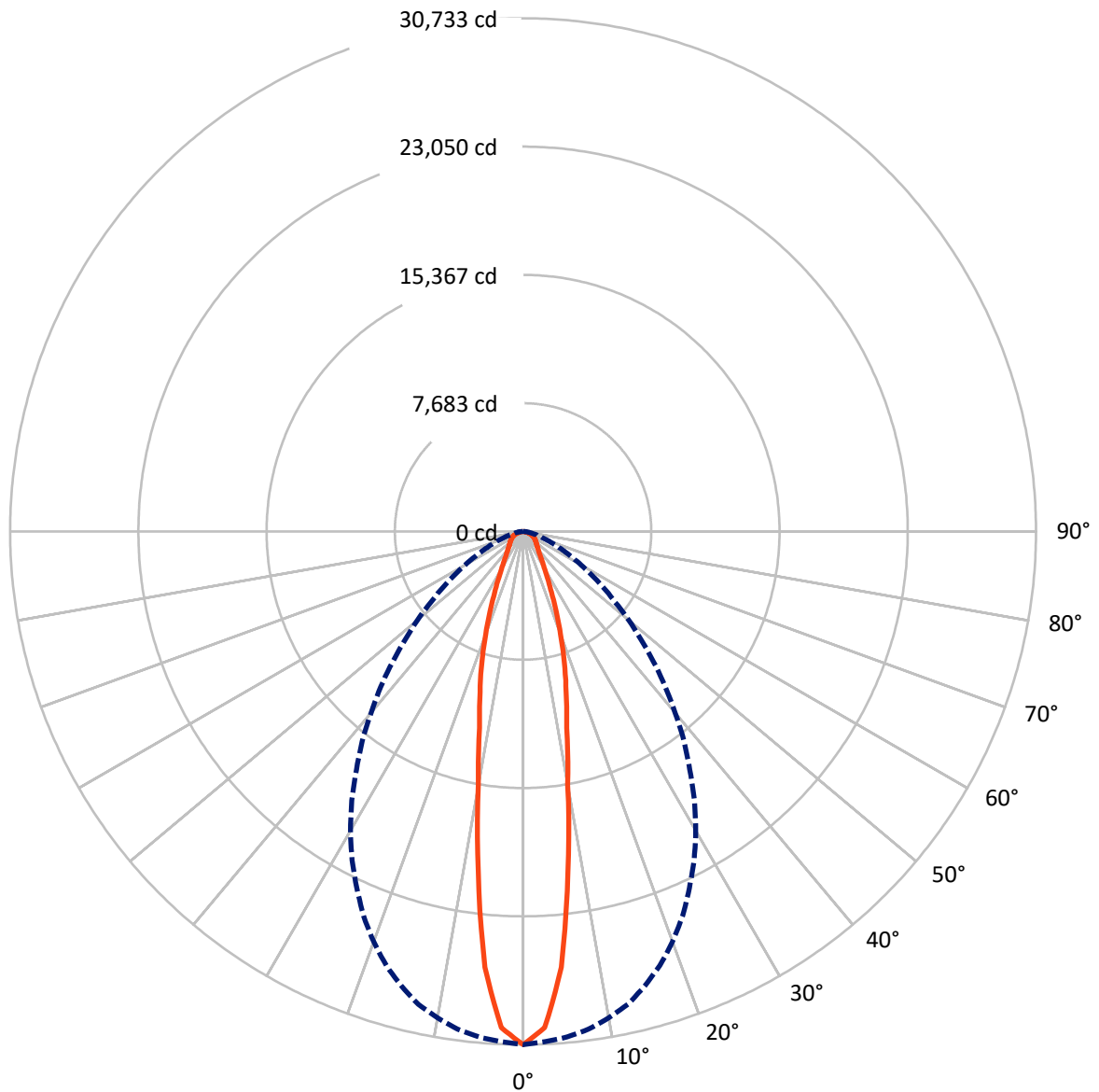
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Lumen Table

90																			
80	1.1	7.6		15.4		22.3		25.2		22.3		15.4		7.6		1.1			
70																			
60	4.7	4.4	7.7	10.6	13.0	15.6	17.9	19.1	19.1	17.9	15.6	13.0	10.6	7.7	4.4	4.7			
50		7.2	12.5	16.8	20.0	22.9	25.5	27.0	27.0	25.5	22.9	20.0	16.8	12.5	7.2				
40	9.4	11.0	19.1	25.3	29.3	32.2	34.6	35.9	35.9	34.6	32.2	29.3	25.3	19.1	11.0	9.4			
30		16.2	30.5	40.4	47.1	52.0	55.6	57.2	57.2	55.6	52.0	47.1	40.4	30.5	16.2				
20	14.5	22.8	52.0	77.5	93.7	108.7	121.1	128.1	128.1	121.1	108.7	93.7	77.5	52.0	22.8	14.5			
10		30.1	80.2	154.4	222.0	264.6	294.6	311.6	311.6	294.6	264.6	222.0	154.4	80.2	30.1				
0	16.6	34.5	103.0	227.4	393.4	558.1	679.2	742.9	742.9	679.2	558.1	393.4	227.4	103.0	34.5	16.6			
-10		34.5	103.0	227.4	393.4	558.1	679.2	742.9	742.9	679.2	558.1	393.4	227.4	103.0	34.5				
-20	14.5	30.1	80.2	154.4	222.0	264.6	294.6	311.6	311.6	294.6	264.6	222.0	154.4	80.2	30.1	14.5			
-30		22.8	52.0	77.5	93.7	108.7	121.1	128.1	128.1	121.1	108.7	93.7	77.5	52.0	22.8				
-40	9.4	16.2	30.5	40.4	47.1	52.0	55.6	57.2	57.2	55.6	52.0	47.1	40.4	30.5	16.2	9.4			
-50		11.0	19.1	25.3	29.3	32.2	34.6	35.9	35.9	34.6	32.2	29.3	25.3	19.1	11.0				
-60	4.7	7.2	12.5	16.8	20.0	22.9	25.5	27.0	27.0	25.5	22.9	20.0	16.8	12.5	7.2	4.7			
-70		4.4	7.7	10.6	13.0	15.6	17.9	19.1	19.1	17.9	15.6	13.0	10.6	7.7	4.4				
-80	1.1	7.6		15.4		22.3		25.2		22.3		15.4		7.6		1.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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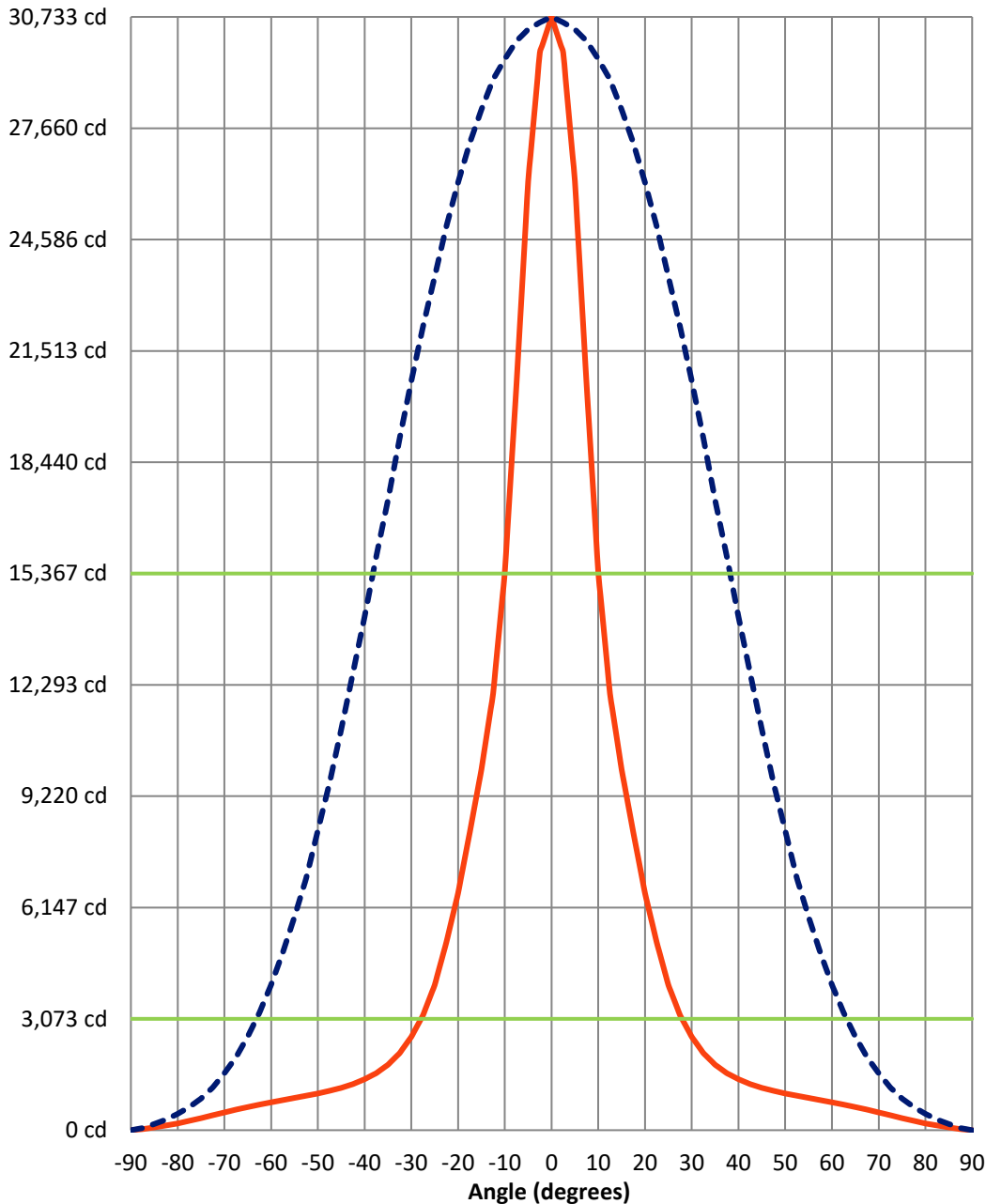
Luminous Intensity Polar Plot



— 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: 8806.3
 Efficiency: 40.0%

Field:
 H Angle: 126.3°
 V Angle: 55.8°
 Lumens: 18039.8
 Efficiency: 82.0%

Spill:
 Lumens: 3970.6
 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	5.1	7.3	9.2	10.9	12.3	13.9	15.4	16.8	18.1
85°	0.0	5.1	10.2	14.6	18.4	21.7	24.5	27.8	30.8	33.6	36.2
82.5°	0.0	7.6	15.3	21.8	27.6	32.6	36.8	41.7	47.2	56.3	64.5
80°	0.0	10.2	20.3	29.1	36.7	43.4	50.5	64.1	76.8	88.3	98.7
77.5°	0.0	12.7	25.3	36.3	45.9	57.6	74.2	90.8	106.2	120.3	133.7
75°	0.0	15.2	30.3	43.4	56.4	78.1	97.9	117.4	136.0	154.9	171.0
72.5°	0.0	17.6	35.2	50.6	73.2	98.4	121.4	144.9	169.3	190.5	208.5
70°	0.0	20.0	40.0	58.7	89.9	118.6	145.4	175.4	202.7	226.4	249.7
67.5°	0.0	22.4	44.8	71.4	106.4	138.6	172.8	205.9	236.1	267.1	292.1
65°	0.0	24.8	49.5	84.0	122.7	160.4	200.1	236.2	274.7	308.2	337.6
62.5°	0.0	27.1	54.1	96.4	138.8	183.8	227.3	270.2	313.4	351.1	389.4
60°	0.0	29.3	58.5	108.6	154.7	207.1	254.3	305.7	352.3	399.8	441.6
57.5°	0.0	31.5	66.5	120.5	173.4	230.1	285.0	341.2	395.9	448.6	498.1
55°	0.0	33.6	74.3	132.2	192.0	252.8	315.8	376.5	440.5	499.3	557.8
52.5°	0.0	35.7	81.9	143.7	210.3	275.8	346.1	416.1	485.0	556.7	619.0
50°	0.0	37.7	89.2	154.9	228.2	300.9	376.0	456.4	532.1	615.1	691.8
47.5°	0.0	39.6	96.3	166.3	245.8	325.6	406.3	496.9	585.8	674.3	768.4
45°	0.0	41.4	103.2	179.2	262.9	349.7	441.3	537.5	640.7	746.6	847.7
42.5°	0.0	43.2	109.9	191.7	279.6	373.1	476.1	582.4	695.7	820.7	938.1
40°	0.0	44.9	116.2	203.4	296.8	395.9	510.6	630.0	754.4	896.2	1033.2
37.5°	0.0	46.5	122.3	214.2	314.3	418.1	544.6	677.0	821.0	975.3	1131.4
35°	0.0	48.0	128.0	224.4	331.1	443.2	578.1	723.3	887.3	1062.9	1237.7
32.5°	0.0	49.4	133.5	233.8	347.2	469.5	612.4	768.8	953.2	1151.7	1354.8
30°	0.0	50.7	138.6	242.6	362.6	494.9	649.0	815.7	1018.3	1241.2	1474.6
27.5°	0.0	52.0	143.4	250.7	375.4	519.4	684.4	868.8	1086.4	1331.1	1596.4
25°	0.0	53.1	147.9	258.0	387.1	543.0	718.5	920.3	1159.9	1428.9	1720.1
22.5°	0.0	54.1	152.0	264.6	398.1	563.9	751.1	970.0	1232.0	1530.1	1855.4
20°	0.0	55.1	155.7	270.4	408.1	579.9	782.0	1017.7	1302.3	1629.8	1989.4
17.5°	0.0	55.9	159.1	275.5	417.1	594.0	805.3	1063.0	1370.1	1727.4	2121.3
15°	0.0	56.6	162.1	279.9	425.2	606.0	822.7	1098.7	1435.1	1821.8	2249.8
12.5°	0.0	57.2	164.6	283.6	432.3	616.2	837.6	1121.9	1481.7	1912.3	2373.8
10°	0.0	57.7	166.8	286.5	438.3	624.4	849.9	1141.1	1511.5	1955.0	2470.6
7.5°	0.0	58.1	168.6	288.6	443.2	630.7	859.6	1156.3	1535.5	1983.1	2514.4
5°	0.0	58.4	169.9	290.1	447.0	635.0	866.7	1167.4	1553.7	2002.5	2548.3
2.5°	0.0	58.5	170.9	290.9	449.6	637.5	871.0	1174.4	1565.8	2013.5	2571.9
0°	0.0	58.6	171.4	290.9	451.0	638.2	872.7	1177.2	1571.8	2016.1	2584.4
-2.5°	0.0	58.5	170.9	290.9	449.6	637.5	871.0	1174.4	1565.8	2013.5	2571.9
-5°	0.0	58.4	169.9	290.1	447.0	635.0	866.7	1167.4	1553.7	2002.5	2548.3
-7.5°	0.0	58.1	168.6	288.6	443.2	630.7	859.6	1156.3	1535.5	1983.1	2514.4
-10°	0.0	57.7	166.8	286.5	438.3	624.4	849.9	1141.1	1511.5	1955.0	2470.6
-12.5°	0.0	57.2	164.6	283.6	432.3	616.2	837.6	1121.9	1481.7	1912.3	2373.8
-15°	0.0	56.6	162.1	279.9	425.2	606.0	822.7	1098.7	1435.1	1821.8	2249.8
-17.5°	0.0	55.9	159.1	275.5	417.1	594.0	805.3	1063.0	1370.1	1727.4	2121.3
-20°	0.0	55.1	155.7	270.4	408.1	579.9	782.0	1017.7	1302.3	1629.8	1989.4



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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	54.1	152.0	264.6	398.1	563.9	751.1	970.0	1232.0	1530.1	1855.4
-25°	0.0	53.1	147.9	258.0	387.1	543.0	718.5	920.3	1159.9	1428.9	1720.1
-27.5°	0.0	52.0	143.4	250.7	375.4	519.4	684.4	868.8	1086.4	1331.1	1596.4
-30°	0.0	50.7	138.6	242.6	362.6	494.9	649.0	815.7	1018.3	1241.2	1474.6
-32.5°	0.0	49.4	133.5	233.8	347.2	469.5	612.4	768.8	953.2	1151.7	1354.8
-35°	0.0	48.0	128.0	224.4	331.1	443.2	578.1	723.3	887.3	1062.9	1237.7
-37.5°	0.0	46.5	122.3	214.2	314.3	418.1	544.6	677.0	821.0	975.3	1131.4
-40°	0.0	44.9	116.2	203.4	296.8	395.9	510.6	630.0	754.4	896.2	1033.2
-42.5°	0.0	43.2	109.9	191.7	279.6	373.1	476.1	582.4	695.7	820.7	938.1
-45°	0.0	41.4	103.2	179.2	262.9	349.7	441.3	537.5	640.7	746.6	847.7
-47.5°	0.0	39.6	96.3	166.3	245.8	325.6	406.3	496.9	585.8	674.3	768.4
-50°	0.0	37.7	89.2	154.9	228.2	300.9	376.0	456.4	532.1	615.1	691.8
-52.5°	0.0	35.7	81.9	143.7	210.3	275.8	346.1	416.1	485.0	556.7	619.0
-55°	0.0	33.6	74.3	132.2	192.0	252.8	315.8	376.5	440.5	499.3	557.8
-57.5°	0.0	31.5	66.5	120.5	173.4	230.1	285.0	341.2	395.9	448.6	498.1
-60°	0.0	29.3	58.5	108.6	154.7	207.1	254.3	305.7	352.3	399.8	441.6
-62.5°	0.0	27.1	54.1	96.4	138.8	183.8	227.3	270.2	313.4	351.1	389.4
-65°	0.0	24.8	49.5	84.0	122.7	160.4	200.1	236.2	274.7	308.2	337.6
-67.5°	0.0	22.4	44.8	71.4	106.4	138.6	172.8	205.9	236.1	267.1	292.1
-70°	0.0	20.0	40.0	58.7	89.9	118.6	145.4	175.4	202.7	226.4	249.7
-72.5°	0.0	17.6	35.2	50.6	73.2	98.4	121.4	144.9	169.3	190.5	208.5
-75°	0.0	15.2	30.3	43.4	56.4	78.1	97.9	117.4	136.0	154.9	171.0
-77.5°	0.0	12.7	25.3	36.3	45.9	57.6	74.2	90.8	106.2	120.3	133.7
-80°	0.0	10.2	20.3	29.1	36.7	43.4	50.5	64.1	76.8	88.3	98.7
-82.5°	0.0	7.6	15.3	21.8	27.6	32.6	36.8	41.7	47.2	56.3	64.5
-85°	0.0	5.1	10.2	14.6	18.4	21.7	24.5	27.8	30.8	33.6	36.2
-87.5°	0.0	2.6	5.1	7.3	9.2	10.9	12.3	13.9	15.4	16.8	18.1
-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°	19.5	20.8	22.1	23.3	24.4	25.4	26.3	27.1	28.2	29.3	30.4
85°	39.0	41.7	46.2	49.9	53.3	56.2	58.7	60.8	62.9	64.7	66.1
82.5°	71.7	77.8	82.6	86.2	90.4	94.0	97.1	99.8	102.6	105.2	107.4
80°	107.2	114.1	121.1	127.3	133.3	137.8	140.7	141.8	145.4	150.0	154.7
77.5°	145.4	155.8	164.9	172.9	179.3	184.9	189.0	191.4	197.1	203.7	209.4
75°	185.0	197.7	210.3	221.4	230.2	236.7	241.4	245.3	252.1	260.7	268.0
72.5°	226.3	243.3	258.2	271.2	282.9	291.9	298.6	302.9	309.8	319.9	328.1
70°	269.7	289.2	309.4	326.0	338.5	349.1	357.9	364.0	370.1	380.4	388.1
67.5°	314.6	342.4	364.8	382.4	396.4	409.4	419.3	425.8	428.6	438.9	447.5
65°	367.5	397.2	422.3	442.0	456.0	472.0	483.1	488.6	490.4	501.7	512.3
62.5°	421.4	454.3	481.7	504.4	522.6	537.8	550.3	557.3	558.5	566.8	579.0
60°	479.0	512.6	545.3	572.6	592.0	607.7	621.2	628.6	630.1	633.5	647.4
57.5°	539.0	575.3	613.4	644.1	666.7	679.7	694.5	702.6	705.9	703.9	718.3
55°	604.2	642.0	685.0	720.7	745.0	756.8	770.5	782.3	786.3	783.7	792.2
52.5°	678.1	715.8	761.7	800.9	827.9	842.1	851.8	866.0	872.5	869.5	867.9
50°	755.8	803.2	841.2	886.0	918.6	937.2	937.5	955.1	963.5	960.9	949.3
47.5°	843.8	897.2	925.9	977.2	1019.7	1041.7	1043.1	1050.1	1060.6	1063.3	1053.4
45°	938.8	1004.0	1034.8	1080.7	1128.3	1155.1	1163.2	1150.6	1169.4	1175.2	1168.9
42.5°	1038.9	1122.0	1170.8	1189.4	1244.7	1282.0	1296.4	1287.6	1286.6	1299.7	1299.4
40°	1154.5	1250.0	1323.2	1342.6	1370.5	1422.0	1452.4	1450.8	1416.6	1441.0	1447.3
37.5°	1278.1	1402.2	1492.7	1532.9	1511.7	1580.4	1625.0	1643.1	1621.8	1597.9	1625.2
35°	1408.2	1565.0	1686.9	1755.5	1758.6	1757.0	1826.9	1864.4	1866.9	1823.2	1833.0
32.5°	1553.7	1737.7	1899.4	2010.3	2060.7	2029.6	2047.8	2126.5	2165.1	2148.3	2085.3
30°	1709.9	1935.9	2134.0	2290.5	2403.1	2436.3	2361.3	2422.7	2508.1	2542.2	2514.9
27.5°	1868.0	2146.1	2397.3	2614.3	2788.7	2899.3	2902.0	2807.1	2904.0	2986.2	3018.0
25°	2028.6	2356.4	2676.5	2970.6	3234.6	3424.7	3512.2	3522.4	3386.9	3510.1	3624.8
22.5°	2199.7	2572.8	2952.6	3350.1	3718.0	3997.1	4209.2	4337.0	4332.8	4203.5	4304.4
20°	2380.8	2808.3	3250.6	3722.1	4223.9	4607.5	4962.9	5234.8	5398.4	5452.8	5346.9
17.5°	2561.6	3045.9	3563.5	4125.0	4705.6	5237.4	5770.1	6203.8	6547.5	6829.6	6930.5
15°	2740.1	3283.0	3877.5	4530.7	5201.6	5867.3	6552.1	7216.4	7801.2	8317.4	8623.5
12.5°	2914.5	3516.8	4189.1	4934.4	5704.5	6505.8	7323.0	8132.2	8974.7	9810.8	10446.3
10°	3082.6	3744.5	4494.3	5331.2	6206.9	7144.2	8092.5	9052.9	10076.3	11062.4	12011.8
7.5°	3154.5	3893.3	4757.1	5715.6	6700.9	7772.6	8850.3	9965.2	11161.0	12311.7	13471.0
5°	3198.9	3952.3	4831.0	5829.5	6925.6	8182.7	9468.6	10849.7	12214.2	13539.1	14905.2
2.5°	3228.4	3992.8	4880.3	5874.5	6959.1	8250.0	9552.1	10986.1	12517.1	14049.0	15675.3
0°	3242.9	4014.1	4904.9	5888.2	6954.8	8271.8	9584.3	11063.7	12615.2	14173.5	15837.8
-2.5°	3228.4	3992.8	4880.3	5874.5	6959.1	8250.0	9552.1	10986.1	12517.1	14049.0	15675.3
-5°	3198.9	3952.3	4831.0	5829.5	6925.6	8182.7	9468.6	10849.7	12214.2	13539.1	14905.2
-7.5°	3154.5	3893.3	4757.1	5715.6	6700.9	7772.6	8850.3	9965.2	11161.0	12311.7	13471.0
-10°	3082.6	3744.5	4494.3	5331.2	6206.9	7144.2	8092.5	9052.9	10076.3	11062.4	12011.8
-12.5°	2914.5	3516.8	4189.1	4934.4	5704.5	6505.8	7323.0	8132.2	8974.7	9810.8	10446.3
-15°	2740.1	3283.0	3877.5	4530.7	5201.6	5867.3	6552.1	7216.4	7801.2	8317.4	8623.5
-17.5°	2561.6	3045.9	3563.5	4125.0	4705.6	5237.4	5770.1	6203.8	6547.5	6829.6	6930.5
-20°	2380.8	2808.3	3250.6	3722.1	4223.9	4607.5	4962.9	5234.8	5398.4	5452.8	5346.9



REPORT NUMBER: P559070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-927-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°	2199.7	2572.8	2952.6	3350.1	3718.0	3997.1	4209.2	4337.0	4332.8	4203.5	4304.4
-25°	2028.6	2356.4	2676.5	2970.6	3234.6	3424.7	3512.2	3522.4	3386.9	3510.1	3624.8
-27.5°	1868.0	2146.1	2397.3	2614.3	2788.7	2899.3	2902.0	2807.1	2904.0	2986.2	3018.0
-30°	1709.9	1935.9	2134.0	2290.5	2403.1	2436.3	2361.3	2422.7	2508.1	2542.2	2514.9
-32.5°	1553.7	1737.7	1899.4	2010.3	2060.7	2029.6	2047.8	2126.5	2165.1	2148.3	2085.3
-35°	1408.2	1565.0	1686.9	1755.5	1758.6	1757.0	1826.9	1864.4	1866.9	1823.2	1833.0
-37.5°	1278.1	1402.2	1492.7	1532.9	1511.7	1580.4	1625.0	1643.1	1621.8	1597.9	1625.2
-40°	1154.5	1250.0	1323.2	1342.6	1370.5	1422.0	1452.4	1450.8	1416.6	1441.0	1447.3
-42.5°	1038.9	1122.0	1170.8	1189.4	1244.7	1282.0	1296.4	1287.6	1286.6	1299.7	1299.4
-45°	938.8	1004.0	1034.8	1080.7	1128.3	1155.1	1163.2	1150.6	1169.4	1175.2	1168.9
-47.5°	843.8	897.2	925.9	977.2	1019.7	1041.7	1043.1	1050.1	1060.6	1063.3	1053.4
-50°	755.8	803.2	841.2	886.0	918.6	937.2	937.5	955.1	963.5	960.9	949.3
-52.5°	678.1	715.8	761.7	800.9	827.9	842.1	851.8	866.0	872.5	869.5	867.9
-55°	604.2	642.0	685.0	720.7	745.0	756.8	770.5	782.3	786.3	783.7	792.2
-57.5°	539.0	575.3	613.4	644.1	666.7	679.7	694.5	702.6	705.9	703.9	718.3
-60°	479.0	512.6	545.3	572.6	592.0	607.7	621.2	628.6	630.1	633.5	647.4
-62.5°	421.4	454.3	481.7	504.4	522.6	537.8	550.3	557.3	558.5	566.8	579.0
-65°	367.5	397.2	422.3	442.0	456.0	472.0	483.1	488.6	490.4	501.7	512.3
-67.5°	314.6	342.4	364.8	382.4	396.4	409.4	419.3	425.8	428.6	438.9	447.5
-70°	269.7	289.2	309.4	326.0	338.5	349.1	357.9	364.0	370.1	380.4	388.1
-72.5°	226.3	243.3	258.2	271.2	282.9	291.9	298.6	302.9	309.8	319.9	328.1
-75°	185.0	197.7	210.3	221.4	230.2	236.7	241.4	245.3	252.1	260.7	268.0
-77.5°	145.4	155.8	164.9	172.9	179.3	184.9	189.0	191.4	197.1	203.7	209.4
-80°	107.2	114.1	121.1	127.3	133.3	137.8	140.7	141.8	145.4	150.0	154.7
-82.5°	71.7	77.8	82.6	86.2	90.4	94.0	97.1	99.8	102.6	105.2	107.4
-85°	39.0	41.7	46.2	49.9	53.3	56.2	58.7	60.8	62.9	64.7	66.1
-87.5°	19.5	20.8	22.1	23.3	24.4	25.4	26.3	27.1	28.2	29.3	30.4
-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: P559070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-927-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°	31.4	30.9	30.3	29.5	28.7	28.7	28.6	28.5	28.3	28.1	27.8
85°	67.1	68.4	69.6	70.8	71.9	73.1	74.1	74.9	75.5	75.5	75.2
82.5°	109.3	112.9	116.6	120.0	123.3	125.0	126.3	127.1	127.6	128.6	129.4
80°	158.7	164.1	169.0	173.1	176.5	179.0	181.0	182.6	183.8	185.1	186.0
77.5°	214.7	220.7	226.4	231.4	235.7	239.8	243.2	245.9	247.9	251.0	253.9
75°	274.2	280.9	288.0	294.4	300.0	305.9	311.8	317.2	322.0	326.0	329.0
72.5°	334.4	341.5	350.2	358.3	365.8	373.8	381.7	388.6	394.6	400.2	405.2
70°	393.8	400.5	411.6	422.4	432.5	442.2	451.6	460.2	467.7	475.0	481.5
67.5°	455.1	462.2	476.1	488.6	499.8	510.4	521.4	531.2	539.8	547.5	554.1
65°	520.6	526.8	541.8	555.6	567.4	577.3	589.2	599.9	609.5	618.0	625.1
62.5°	588.3	594.5	607.0	620.5	631.8	641.3	655.2	667.4	677.6	686.2	693.4
60°	657.1	662.4	672.0	686.9	699.5	709.8	722.2	734.0	744.0	752.4	759.9
57.5°	728.5	733.8	738.4	753.4	765.5	774.9	785.7	797.3	806.9	814.9	822.7
55°	802.2	806.3	804.9	818.7	830.0	837.7	845.8	858.0	867.6	874.7	881.8
52.5°	877.6	882.5	879.1	884.9	897.3	904.3	907.7	920.9	930.8	937.1	943.6
50°	961.5	965.5	962.4	959.1	971.2	978.4	980.3	990.9	999.9	1004.8	1009.4
47.5°	1052.5	1057.4	1055.0	1041.8	1052.5	1061.6	1061.8	1066.4	1075.7	1079.4	1082.2
45°	1151.5	1160.9	1158.9	1149.7	1148.2	1157.5	1156.6	1153.0	1163.6	1168.4	1169.9
42.5°	1281.4	1278.3	1281.2	1275.9	1259.6	1270.1	1271.4	1258.1	1271.5	1277.3	1273.9
40°	1440.3	1411.3	1427.3	1424.9	1409.6	1407.3	1415.6	1404.8	1406.8	1415.0	1408.7
37.5°	1629.4	1608.7	1600.0	1607.2	1602.8	1583.2	1598.8	1594.9	1582.6	1596.5	1590.4
35°	1862.3	1856.1	1809.4	1837.8	1843.7	1825.1	1830.5	1838.5	1811.8	1832.8	1830.6
32.5°	2134.6	2148.4	2138.3	2120.8	2147.4	2150.7	2120.0	2156.9	2142.1	2147.3	2161.9
30°	2442.9	2513.7	2548.1	2517.4	2533.9	2566.8	2551.7	2577.4	2589.7	2570.4	2606.8
27.5°	2981.6	2956.4	3039.0	3074.9	3036.4	3096.5	3140.1	3120.8	3184.6	3146.8	3200.8
25°	3666.1	3629.3	3651.4	3770.0	3796.3	3765.8	3888.8	3903.2	3953.9	3960.0	3997.7
22.5°	4470.4	4559.4	4549.1	4585.2	4734.2	4784.0	4829.4	4947.7	4920.7	5027.9	5046.5
20°	5369.7	5593.4	5747.6	5779.9	5843.6	6015.0	6093.6	6186.9	6249.5	6351.0	6436.8
17.5°	6890.9	6776.3	7078.6	7268.5	7368.4	7404.1	7610.5	7677.8	7832.8	7921.4	8009.4
15°	8844.1	8911.0	8774.5	8955.5	9261.4	9364.7	9245.9	9523.1	9601.1	9750.3	9776.7
12.5°	10931.8	11269.8	11435.5	11480.5	11320.7	11755.7	11930.0	11711.2	11959.3	11914.6	12118.8
10°	12923.9	13745.0	14236.5	14582.3	14792.5	14919.1	15044.9	15270.9	15274.9	15442.4	15344.6
7.5°	14559.3	15600.4	16594.9	17559.7	18331.5	18764.1	19103.9	19429.7	19864.4	20072.6	20208.0
5°	16159.3	17360.4	18550.5	19720.0	20779.1	21798.0	22796.6	23662.9	24121.9	24658.4	25136.7
2.5°	17194.1	18713.5	20233.3	21738.6	22962.4	24085.3	25124.7	26090.0	26936.8	27720.2	28381.8
0°	17396.1	19096.5	20681.9	22183.8	23561.7	24948.6	26159.6	27251.1	28173.5	29005.6	29567.1
-2.5°	17194.1	18713.5	20233.3	21738.6	22962.4	24085.3	25124.7	26090.0	26936.8	27720.2	28381.8
-5°	16159.3	17360.4	18550.5	19720.0	20779.1	21798.0	22796.6	23662.9	24121.9	24658.4	25136.7
-7.5°	14559.3	15600.4	16594.9	17559.7	18331.5	18764.1	19103.9	19429.7	19864.4	20072.6	20208.0
-10°	12923.9	13745.0	14236.5	14582.3	14792.5	14919.1	15044.9	15270.9	15274.9	15442.4	15344.6
-12.5°	10931.8	11269.8	11435.5	11480.5	11320.7	11755.7	11930.0	11711.2	11959.3	11914.6	12118.8
-15°	8844.1	8911.0	8774.5	8955.5	9261.4	9364.7	9245.9	9523.1	9601.1	9750.3	9776.7
-17.5°	6890.9	6776.3	7078.6	7268.5	7368.4	7404.1	7610.5	7677.8	7832.8	7921.4	8009.4
-20°	5369.7	5593.4	5747.6	5779.9	5843.6	6015.0	6093.6	6186.9	6249.5	6351.0	6436.8



REPORT NUMBER: P559070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-927-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4470.4	4559.4	4549.1	4585.2	4734.2	4784.0	4829.4	4947.7	4920.7	5027.9	5046.5
-25°	3666.1	3629.3	3651.4	3770.0	3796.3	3765.8	3888.8	3903.2	3953.9	3960.0	3997.7
-27.5°	2981.6	2956.4	3039.0	3074.9	3036.4	3096.5	3140.1	3120.8	3184.6	3146.8	3200.8
-30°	2442.9	2513.7	2548.1	2517.4	2533.9	2566.8	2551.7	2577.4	2589.7	2570.4	2606.8
-32.5°	2134.6	2148.4	2138.3	2120.8	2147.4	2150.7	2120.0	2156.9	2142.1	2147.3	2161.9
-35°	1862.3	1856.1	1809.4	1837.8	1843.7	1825.1	1830.5	1838.5	1811.8	1832.8	1830.6
-37.5°	1629.4	1608.7	1600.0	1607.2	1602.8	1583.2	1598.8	1594.9	1582.6	1596.5	1590.4
-40°	1440.3	1411.3	1427.3	1424.9	1409.6	1407.3	1415.6	1404.8	1406.8	1415.0	1408.7
-42.5°	1281.4	1278.3	1281.2	1275.9	1259.6	1270.1	1271.4	1258.1	1271.5	1277.3	1273.9
-45°	1151.5	1160.9	1158.9	1149.7	1148.2	1157.5	1156.6	1153.0	1163.6	1168.4	1169.9
-47.5°	1052.5	1057.4	1055.0	1041.8	1052.5	1061.6	1061.8	1066.4	1075.7	1079.4	1082.2
-50°	961.5	965.5	962.4	959.1	971.2	978.4	980.3	990.9	999.9	1004.8	1009.4
-52.5°	877.6	882.5	879.1	884.9	897.3	904.3	907.7	920.9	930.8	937.1	943.6
-55°	802.2	806.3	804.9	818.7	830.0	837.7	845.8	858.0	867.6	874.7	881.8
-57.5°	728.5	733.8	738.4	753.4	765.5	774.9	785.7	797.3	806.9	814.9	822.7
-60°	657.1	662.4	672.0	686.9	699.5	709.8	722.2	734.0	744.0	752.4	759.9
-62.5°	588.3	594.5	607.0	620.5	631.8	641.3	655.2	667.4	677.6	686.2	693.4
-65°	520.6	526.8	541.8	555.6	567.4	577.3	589.2	599.9	609.5	618.0	625.1
-67.5°	455.1	462.2	476.1	488.6	499.8	510.4	521.4	531.2	539.8	547.5	554.1
-70°	393.8	400.5	411.6	422.4	432.5	442.2	451.6	460.2	467.7	475.0	481.5
-72.5°	334.4	341.5	350.2	358.3	365.8	373.8	381.7	388.6	394.6	400.2	405.2
-75°	274.2	280.9	288.0	294.4	300.0	305.9	311.8	317.2	322.0	326.0	329.0
-77.5°	214.7	220.7	226.4	231.4	235.7	239.8	243.2	245.9	247.9	251.0	253.9
-80°	158.7	164.1	169.0	173.1	176.5	179.0	181.0	182.6	183.8	185.1	186.0
-82.5°	109.3	112.9	116.6	120.0	123.3	125.0	126.3	127.1	127.6	128.6	129.4
-85°	67.1	68.4	69.6	70.8	71.9	73.1	74.1	74.9	75.5	75.5	75.2
-87.5°	31.4	30.9	30.3	29.5	28.7	28.7	28.6	28.5	28.3	28.1	27.8
-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: P559070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-927-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°	27.4	27.0	28.2	29.3	28.2	27.0	27.4	27.8	28.1	28.3	28.5
85°	74.7	74.0	75.5	76.7	75.5	74.0	74.7	75.2	75.5	75.5	74.9
82.5°	129.9	130.2	130.6	130.8	130.6	130.2	129.9	129.4	128.6	127.6	127.1
80°	186.4	186.4	185.9	184.9	185.9	186.4	186.4	186.0	185.1	183.8	182.6
77.5°	256.2	257.9	258.9	259.3	258.9	257.9	256.2	253.9	251.0	247.9	245.9
75°	331.1	332.1	332.3	331.5	332.3	332.1	331.1	329.0	326.0	322.0	317.2
72.5°	409.4	412.6	413.3	412.7	413.3	412.6	409.4	405.2	400.2	394.6	388.6
70°	487.0	491.3	491.2	489.4	491.2	491.3	487.0	481.5	475.0	467.7	460.2
67.5°	559.4	563.3	566.4	568.3	566.4	563.3	559.4	554.1	547.5	539.8	531.2
65°	630.9	635.1	637.5	638.2	637.5	635.1	630.9	625.1	618.0	609.5	599.9
62.5°	698.9	702.8	705.1	705.9	705.1	702.8	698.9	693.4	686.2	677.6	667.4
60°	765.9	770.1	770.8	769.0	770.8	770.1	765.9	759.9	752.4	744.0	734.0
57.5°	828.8	833.2	833.1	829.9	833.1	833.2	828.8	822.7	814.9	806.9	797.3
55°	886.9	890.0	891.3	890.8	891.3	890.0	886.9	881.8	874.7	867.6	858.0
52.5°	948.4	951.0	952.1	951.7	952.1	951.0	948.4	943.6	937.1	930.8	920.9
50°	1012.7	1013.0	1012.9	1012.6	1012.9	1013.0	1012.7	1009.4	1004.8	999.9	990.9
47.5°	1086.1	1086.8	1087.0	1087.0	1087.0	1086.8	1086.1	1082.2	1079.4	1075.7	1066.4
45°	1172.9	1170.5	1168.0	1168.2	1168.0	1170.5	1172.9	1169.9	1168.4	1163.6	1153.0
42.5°	1277.0	1274.4	1271.1	1271.9	1271.1	1274.4	1277.0	1273.9	1277.3	1271.5	1258.1
40°	1414.2	1413.5	1408.9	1407.2	1408.9	1413.5	1414.2	1408.7	1415.0	1406.8	1404.8
37.5°	1591.4	1588.8	1578.5	1574.1	1578.5	1588.8	1591.4	1590.4	1596.5	1582.6	1594.9
35°	1824.4	1820.9	1805.1	1806.4	1805.1	1820.9	1824.4	1830.6	1832.8	1811.8	1838.5
32.5°	2154.6	2155.8	2132.0	2126.6	2132.0	2155.8	2154.6	2161.9	2147.3	2142.1	2156.9
30°	2584.1	2593.6	2565.6	2577.6	2565.6	2593.6	2584.1	2606.8	2570.4	2589.7	2577.4
27.5°	3199.7	3217.7	3193.0	3173.0	3193.0	3217.7	3199.7	3200.8	3146.8	3184.6	3120.8
25°	4047.1	4060.5	4032.2	4007.4	4032.2	4060.5	4047.1	3997.7	3960.0	3953.9	3903.2
22.5°	5150.0	5149.1	5147.7	5186.8	5147.7	5149.1	5150.0	5046.5	5027.9	4920.7	4947.7
20°	6492.2	6459.6	6508.3	6539.9	6508.3	6459.6	6492.2	6436.8	6351.0	6249.5	6186.9
17.5°	8029.8	8090.7	8137.4	8215.5	8137.4	8090.7	8029.8	8009.4	7921.4	7832.8	7677.8
15°	9842.8	9934.8	9981.5	9956.4	9981.5	9934.8	9842.8	9776.7	9750.3	9601.1	9523.1
12.5°	12126.0	12235.7	12154.7	12053.7	12154.7	12235.7	12126.0	12118.8	11914.6	11959.3	11711.2
10°	15346.1	15582.4	15595.7	15398.1	15595.7	15582.4	15346.1	15344.6	15442.4	15274.9	15270.9
7.5°	20286.6	20401.5	20576.0	20584.9	20576.0	20401.5	20286.6	20208.0	20072.6	19864.4	19429.7
5°	25353.4	25659.5	25856.8	26197.9	25856.8	25659.5	25353.4	25136.7	24658.4	24121.9	23662.9
2.5°	28809.1	29204.6	29356.5	29743.0	29356.5	29204.6	28809.1	28381.8	27720.2	26936.8	26090.0
0°	30067.8	30388.0	30579.7	30733.0	30579.7	30388.0	30067.8	29567.1	29005.6	28173.5	27251.1
-2.5°	28809.1	29204.6	29356.5	29743.0	29356.5	29204.6	28809.1	28381.8	27720.2	26936.8	26090.0
-5°	25353.4	25659.5	25856.8	26197.9	25856.8	25659.5	25353.4	25136.7	24658.4	24121.9	23662.9
-7.5°	20286.6	20401.5	20576.0	20584.9	20576.0	20401.5	20286.6	20208.0	20072.6	19864.4	19429.7
-10°	15346.1	15582.4	15595.7	15398.1	15595.7	15582.4	15346.1	15344.6	15442.4	15274.9	15270.9
-12.5°	12126.0	12235.7	12154.7	12053.7	12154.7	12235.7	12126.0	12118.8	11914.6	11959.3	11711.2
-15°	9842.8	9934.8	9981.5	9956.4	9981.5	9934.8	9842.8	9776.7	9750.3	9601.1	9523.1
-17.5°	8029.8	8090.7	8137.4	8215.5	8137.4	8090.7	8029.8	8009.4	7921.4	7832.8	7677.8
-20°	6492.2	6459.6	6508.3	6539.9	6508.3	6459.6	6492.2	6436.8	6351.0	6249.5	6186.9



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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°	5150.0	5149.1	5147.7	5186.8	5147.7	5149.1	5150.0	5046.5	5027.9	4920.7	4947.7
-25°	4047.1	4060.5	4032.2	4007.4	4032.2	4060.5	4047.1	3997.7	3960.0	3953.9	3903.2
-27.5°	3199.7	3217.7	3193.0	3173.0	3193.0	3217.7	3199.7	3200.8	3146.8	3184.6	3120.8
-30°	2584.1	2593.6	2565.6	2577.6	2565.6	2593.6	2584.1	2606.8	2570.4	2589.7	2577.4
-32.5°	2154.6	2155.8	2132.0	2126.6	2132.0	2155.8	2154.6	2161.9	2147.3	2142.1	2156.9
-35°	1824.4	1820.9	1805.1	1806.4	1805.1	1820.9	1824.4	1830.6	1832.8	1811.8	1838.5
-37.5°	1591.4	1588.8	1578.5	1574.1	1578.5	1588.8	1591.4	1590.4	1596.5	1582.6	1594.9
-40°	1414.2	1413.5	1408.9	1407.2	1408.9	1413.5	1414.2	1408.7	1415.0	1406.8	1404.8
-42.5°	1277.0	1274.4	1271.1	1271.9	1271.1	1274.4	1277.0	1273.9	1277.3	1271.5	1258.1
-45°	1172.9	1170.5	1168.0	1168.2	1168.0	1170.5	1172.9	1169.9	1168.4	1163.6	1153.0
-47.5°	1086.1	1086.8	1087.0	1087.0	1087.0	1086.8	1086.1	1082.2	1079.4	1075.7	1066.4
-50°	1012.7	1013.0	1012.9	1012.6	1012.9	1013.0	1012.7	1009.4	1004.8	999.9	990.9
-52.5°	948.4	951.0	952.1	951.7	952.1	951.0	948.4	943.6	937.1	930.8	920.9
-55°	886.9	890.0	891.3	890.8	891.3	890.0	886.9	881.8	874.7	867.6	858.0
-57.5°	828.8	833.2	833.1	829.9	833.1	833.2	828.8	822.7	814.9	806.9	797.3
-60°	765.9	770.1	770.8	769.0	770.8	770.1	765.9	759.9	752.4	744.0	734.0
-62.5°	698.9	702.8	705.1	705.9	705.1	702.8	698.9	693.4	686.2	677.6	667.4
-65°	630.9	635.1	637.5	638.2	637.5	635.1	630.9	625.1	618.0	609.5	599.9
-67.5°	559.4	563.3	566.4	568.3	566.4	563.3	559.4	554.1	547.5	539.8	531.2
-70°	487.0	491.3	491.2	489.4	491.2	491.3	487.0	481.5	475.0	467.7	460.2
-72.5°	409.4	412.6	413.3	412.7	413.3	412.6	409.4	405.2	400.2	394.6	388.6
-75°	331.1	332.1	332.3	331.5	332.3	332.1	331.1	329.0	326.0	322.0	317.2
-77.5°	256.2	257.9	258.9	259.3	258.9	257.9	256.2	253.9	251.0	247.9	245.9
-80°	186.4	186.4	185.9	184.9	185.9	186.4	186.4	186.0	185.1	183.8	182.6
-82.5°	129.9	130.2	130.6	130.8	130.6	130.2	129.9	129.4	128.6	127.6	127.1
-85°	74.7	74.0	75.5	76.7	75.5	74.0	74.7	75.2	75.5	75.5	74.9
-87.5°	27.4	27.0	28.2	29.3	28.2	27.0	27.4	27.8	28.1	28.3	28.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	28.6	28.7	28.7	29.5	30.3	30.9	31.4	30.4	29.3	28.2	27.1
85°	74.1	73.1	71.9	70.8	69.6	68.4	67.1	66.1	64.7	62.9	60.8
82.5°	126.3	125.0	123.3	120.0	116.6	112.9	109.3	107.4	105.2	102.6	99.8
80°	181.0	179.0	176.5	173.1	169.0	164.1	158.7	154.7	150.0	145.4	141.8
77.5°	243.2	239.8	235.7	231.4	226.4	220.7	214.7	209.4	203.7	197.1	191.4
75°	311.8	305.9	300.0	294.4	288.0	280.9	274.2	268.0	260.7	252.1	245.3
72.5°	381.7	373.8	365.8	358.3	350.2	341.5	334.4	328.1	319.9	309.8	302.9
70°	451.6	442.2	432.5	422.4	411.6	400.5	393.8	388.1	380.4	370.1	364.0
67.5°	521.4	510.4	499.8	488.6	476.1	462.2	455.1	447.5	438.9	428.6	425.8
65°	589.2	577.3	567.4	555.6	541.8	526.8	520.6	512.3	501.7	490.4	488.6
62.5°	655.2	641.3	631.8	620.5	607.0	594.5	588.3	579.0	566.8	558.5	557.3
60°	722.2	709.8	699.5	686.9	672.0	662.4	657.1	647.4	633.5	630.1	628.6
57.5°	785.7	774.9	765.5	753.4	738.4	733.8	728.5	718.3	703.9	705.9	702.6
55°	845.8	837.7	830.0	818.7	804.9	806.3	802.2	792.2	783.7	786.3	782.3
52.5°	907.7	904.3	897.3	884.9	879.1	882.5	877.6	867.9	869.5	872.5	866.0
50°	980.3	978.4	971.2	959.1	962.4	965.5	961.5	949.3	960.9	963.5	955.1
47.5°	1061.8	1061.6	1052.5	1041.8	1055.0	1057.4	1052.5	1053.4	1063.3	1060.6	1050.1
45°	1156.6	1157.5	1148.2	1149.7	1158.9	1160.9	1151.5	1168.9	1175.2	1169.4	1150.6
42.5°	1271.4	1270.1	1259.6	1275.9	1281.2	1278.3	1281.4	1299.4	1299.7	1286.6	1287.6
40°	1415.6	1407.3	1409.6	1424.9	1427.3	1411.3	1440.3	1447.3	1441.0	1416.6	1450.8
37.5°	1598.8	1583.2	1602.8	1607.2	1600.0	1608.7	1629.4	1625.2	1597.9	1621.8	1643.1
35°	1830.5	1825.1	1843.7	1837.8	1809.4	1856.1	1862.3	1833.0	1823.2	1866.9	1864.4
32.5°	2120.0	2150.7	2147.4	2120.8	2138.3	2148.4	2134.6	2085.3	2148.3	2165.1	2126.5
30°	2551.7	2566.8	2533.9	2517.4	2548.1	2513.7	2442.9	2514.9	2542.2	2508.1	2422.7
27.5°	3140.1	3096.5	3036.4	3074.9	3039.0	2956.4	2981.6	3018.0	2986.2	2904.0	2807.1
25°	3888.8	3765.8	3796.3	3770.0	3651.4	3629.3	3666.1	3624.8	3510.1	3386.9	3522.4
22.5°	4829.4	4784.0	4734.2	4585.2	4549.1	4559.4	4470.4	4304.4	4203.5	4332.8	4337.0
20°	6093.6	6015.0	5843.6	5779.9	5747.6	5593.4	5369.7	5346.9	5452.8	5398.4	5234.8
17.5°	7610.5	7404.1	7368.4	7268.5	7078.6	6776.3	6890.9	6930.5	6829.6	6547.5	6203.8
15°	9245.9	9364.7	9261.4	8955.5	8774.5	8911.0	8844.1	8623.5	8317.4	7801.2	7216.4
12.5°	11930.0	11755.7	11320.7	11480.5	11435.5	11269.8	10931.8	10446.3	9810.8	8974.7	8132.2
10°	15044.9	14919.1	14792.5	14582.3	14236.5	13745.0	12923.9	12011.8	11062.4	10076.3	9052.9
7.5°	19103.9	18764.1	18331.5	17559.7	16594.9	15600.4	14559.3	13471.0	12311.7	11161.0	9965.2
5°	22796.6	21798.0	20779.1	19720.0	18550.5	17360.4	16159.3	14905.2	13539.1	12214.2	10849.7
2.5°	25124.7	24085.3	22962.4	21738.6	20233.3	18713.5	17194.1	15675.3	14049.0	12517.1	10986.1
0°	26159.6	24948.6	23561.7	22183.8	20681.9	19096.5	17396.1	15837.8	14173.5	12615.2	11063.7
-2.5°	25124.7	24085.3	22962.4	21738.6	20233.3	18713.5	17194.1	15675.3	14049.0	12517.1	10986.1
-5°	22796.6	21798.0	20779.1	19720.0	18550.5	17360.4	16159.3	14905.2	13539.1	12214.2	10849.7
-7.5°	19103.9	18764.1	18331.5	17559.7	16594.9	15600.4	14559.3	13471.0	12311.7	11161.0	9965.2
-10°	15044.9	14919.1	14792.5	14582.3	14236.5	13745.0	12923.9	12011.8	11062.4	10076.3	9052.9
-12.5°	11930.0	11755.7	11320.7	11480.5	11435.5	11269.8	10931.8	10446.3	9810.8	8974.7	8132.2
-15°	9245.9	9364.7	9261.4	8955.5	8774.5	8911.0	8844.1	8623.5	8317.4	7801.2	7216.4
-17.5°	7610.5	7404.1	7368.4	7268.5	7078.6	6776.3	6890.9	6930.5	6829.6	6547.5	6203.8
-20°	6093.6	6015.0	5843.6	5779.9	5747.6	5593.4	5369.7	5346.9	5452.8	5398.4	5234.8



REPORT NUMBER: P559070 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4829.4	4784.0	4734.2	4585.2	4549.1	4559.4	4470.4	4304.4	4203.5	4332.8	4337.0
-25°	3888.8	3765.8	3796.3	3770.0	3651.4	3629.3	3666.1	3624.8	3510.1	3386.9	3522.4
-27.5°	3140.1	3096.5	3036.4	3074.9	3039.0	2956.4	2981.6	3018.0	2986.2	2904.0	2807.1
-30°	2551.7	2566.8	2533.9	2517.4	2548.1	2513.7	2442.9	2514.9	2542.2	2508.1	2422.7
-32.5°	2120.0	2150.7	2147.4	2120.8	2138.3	2148.4	2134.6	2085.3	2148.3	2165.1	2126.5
-35°	1830.5	1825.1	1843.7	1837.8	1809.4	1856.1	1862.3	1833.0	1823.2	1866.9	1864.4
-37.5°	1598.8	1583.2	1602.8	1607.2	1600.0	1608.7	1629.4	1625.2	1597.9	1621.8	1643.1
-40°	1415.6	1407.3	1409.6	1424.9	1427.3	1411.3	1440.3	1447.3	1441.0	1416.6	1450.8
-42.5°	1271.4	1270.1	1259.6	1275.9	1281.2	1278.3	1281.4	1299.4	1299.7	1286.6	1287.6
-45°	1156.6	1157.5	1148.2	1149.7	1158.9	1160.9	1151.5	1168.9	1175.2	1169.4	1150.6
-47.5°	1061.8	1061.6	1052.5	1041.8	1055.0	1057.4	1052.5	1053.4	1063.3	1060.6	1050.1
-50°	980.3	978.4	971.2	959.1	962.4	965.5	961.5	949.3	960.9	963.5	955.1
-52.5°	907.7	904.3	897.3	884.9	879.1	882.5	877.6	867.9	869.5	872.5	866.0
-55°	845.8	837.7	830.0	818.7	804.9	806.3	802.2	792.2	783.7	786.3	782.3
-57.5°	785.7	774.9	765.5	753.4	738.4	733.8	728.5	718.3	703.9	705.9	702.6
-60°	722.2	709.8	699.5	686.9	672.0	662.4	657.1	647.4	633.5	630.1	628.6
-62.5°	655.2	641.3	631.8	620.5	607.0	594.5	588.3	579.0	566.8	558.5	557.3
-65°	589.2	577.3	567.4	555.6	541.8	526.8	520.6	512.3	501.7	490.4	488.6
-67.5°	521.4	510.4	499.8	488.6	476.1	462.2	455.1	447.5	438.9	428.6	425.8
-70°	451.6	442.2	432.5	422.4	411.6	400.5	393.8	388.1	380.4	370.1	364.0
-72.5°	381.7	373.8	365.8	358.3	350.2	341.5	334.4	328.1	319.9	309.8	302.9
-75°	311.8	305.9	300.0	294.4	288.0	280.9	274.2	268.0	260.7	252.1	245.3
-77.5°	243.2	239.8	235.7	231.4	226.4	220.7	214.7	209.4	203.7	197.1	191.4
-80°	181.0	179.0	176.5	173.1	169.0	164.1	158.7	154.7	150.0	145.4	141.8
-82.5°	126.3	125.0	123.3	120.0	116.6	112.9	109.3	107.4	105.2	102.6	99.8
-85°	74.1	73.1	71.9	70.8	69.6	68.4	67.1	66.1	64.7	62.9	60.8
-87.5°	28.6	28.7	28.7	29.5	30.3	30.9	31.4	30.4	29.3	28.2	27.1
-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: P559070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-927-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°	26.3	25.4	24.4	23.3	22.1	20.8	19.5	18.1	16.8	15.4	13.9
85°	58.7	56.2	53.3	49.9	46.2	41.7	39.0	36.2	33.6	30.8	27.8
82.5°	97.1	94.0	90.4	86.2	82.6	77.8	71.7	64.5	56.3	47.2	41.7
80°	140.7	137.8	133.3	127.3	121.1	114.1	107.2	98.7	88.3	76.8	64.1
77.5°	189.0	184.9	179.3	172.9	164.9	155.8	145.4	133.7	120.3	106.2	90.8
75°	241.4	236.7	230.2	221.4	210.3	197.7	185.0	171.0	154.9	136.0	117.4
72.5°	298.6	291.9	282.9	271.2	258.2	243.3	226.3	208.5	190.5	169.3	144.9
70°	357.9	349.1	338.5	326.0	309.4	289.2	269.7	249.7	226.4	202.7	175.4
67.5°	419.3	409.4	396.4	382.4	364.8	342.4	314.6	292.1	267.1	236.1	205.9
65°	483.1	472.0	456.0	442.0	422.3	397.2	367.5	337.6	308.2	274.7	236.2
62.5°	550.3	537.8	522.6	504.4	481.7	454.3	421.4	389.4	351.1	313.4	270.2
60°	621.2	607.7	592.0	572.6	545.3	512.6	479.0	441.6	399.8	352.3	305.7
57.5°	694.5	679.7	666.7	644.1	613.4	575.3	539.0	498.1	448.6	395.9	341.2
55°	770.5	756.8	745.0	720.7	685.0	642.0	604.2	557.8	499.3	440.5	376.5
52.5°	851.8	842.1	827.9	800.9	761.7	715.8	678.1	619.0	556.7	485.0	416.1
50°	937.5	937.2	918.6	886.0	841.2	803.2	755.8	691.8	615.1	532.1	456.4
47.5°	1043.1	1041.7	1019.7	977.2	925.9	897.2	843.8	768.4	674.3	585.8	496.9
45°	1163.2	1155.1	1128.3	1080.7	1034.8	1004.0	938.8	847.7	746.6	640.7	537.5
42.5°	1296.4	1282.0	1244.7	1189.4	1170.8	1122.0	1038.9	938.1	820.7	695.7	582.4
40°	1452.4	1422.0	1370.5	1342.6	1323.2	1250.0	1154.5	1033.2	896.2	754.4	630.0
37.5°	1625.0	1580.4	1511.7	1532.9	1492.7	1402.2	1278.1	1131.4	975.3	821.0	677.0
35°	1826.9	1757.0	1758.6	1755.5	1686.9	1565.0	1408.2	1237.7	1062.9	887.3	723.3
32.5°	2047.8	2029.6	2060.7	2010.3	1899.4	1737.7	1553.7	1354.8	1151.7	953.2	768.8
30°	2361.3	2436.3	2403.1	2290.5	2134.0	1935.9	1709.9	1474.6	1241.2	1018.3	815.7
27.5°	2902.0	2899.3	2788.7	2614.3	2397.3	2146.1	1868.0	1596.4	1331.1	1086.4	868.8
25°	3512.2	3424.7	3234.6	2970.6	2676.5	2356.4	2028.6	1720.1	1428.9	1159.9	920.3
22.5°	4209.2	3997.1	3718.0	3350.1	2952.6	2572.8	2199.7	1855.4	1530.1	1232.0	970.0
20°	4962.9	4607.5	4223.9	3722.1	3250.6	2808.3	2380.8	1989.4	1629.8	1302.3	1017.7
17.5°	5770.1	5237.4	4705.6	4125.0	3563.5	3045.9	2561.6	2121.3	1727.4	1370.1	1063.0
15°	6552.1	5867.3	5201.6	4530.7	3877.5	3283.0	2740.1	2249.8	1821.8	1435.1	1098.7
12.5°	7323.0	6505.8	5704.5	4934.4	4189.1	3516.8	2914.5	2373.8	1912.3	1481.7	1121.9
10°	8092.5	7144.2	6206.9	5331.2	4494.3	3744.5	3082.6	2470.6	1955.0	1511.5	1141.1
7.5°	8850.3	7772.6	6700.9	5715.6	4757.1	3893.3	3154.5	2514.4	1983.1	1535.5	1156.3
5°	9468.6	8182.7	6925.6	5829.5	4831.0	3952.3	3198.9	2548.3	2002.5	1553.7	1167.4
2.5°	9552.1	8250.0	6959.1	5874.5	4880.3	3992.8	3228.4	2571.9	2013.5	1565.8	1174.4
0°	9584.3	8271.8	6954.8	5888.2	4904.9	4014.1	3242.9	2584.4	2016.1	1571.8	1177.2
-2.5°	9552.1	8250.0	6959.1	5874.5	4880.3	3992.8	3228.4	2571.9	2013.5	1565.8	1174.4
-5°	9468.6	8182.7	6925.6	5829.5	4831.0	3952.3	3198.9	2548.3	2002.5	1553.7	1167.4
-7.5°	8850.3	7772.6	6700.9	5715.6	4757.1	3893.3	3154.5	2514.4	1983.1	1535.5	1156.3
-10°	8092.5	7144.2	6206.9	5331.2	4494.3	3744.5	3082.6	2470.6	1955.0	1511.5	1141.1
-12.5°	7323.0	6505.8	5704.5	4934.4	4189.1	3516.8	2914.5	2373.8	1912.3	1481.7	1121.9
-15°	6552.1	5867.3	5201.6	4530.7	3877.5	3283.0	2740.1	2249.8	1821.8	1435.1	1098.7
-17.5°	5770.1	5237.4	4705.6	4125.0	3563.5	3045.9	2561.6	2121.3	1727.4	1370.1	1063.0
-20°	4962.9	4607.5	4223.9	3722.1	3250.6	2808.3	2380.8	1989.4	1629.8	1302.3	1017.7



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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°	4209.2	3997.1	3718.0	3350.1	2952.6	2572.8	2199.7	1855.4	1530.1	1232.0	970.0
-25°	3512.2	3424.7	3234.6	2970.6	2676.5	2356.4	2028.6	1720.1	1428.9	1159.9	920.3
-27.5°	2902.0	2899.3	2788.7	2614.3	2397.3	2146.1	1868.0	1596.4	1331.1	1086.4	868.8
-30°	2361.3	2436.3	2403.1	2290.5	2134.0	1935.9	1709.9	1474.6	1241.2	1018.3	815.7
-32.5°	2047.8	2029.6	2060.7	2010.3	1899.4	1737.7	1553.7	1354.8	1151.7	953.2	768.8
-35°	1826.9	1757.0	1758.6	1755.5	1686.9	1565.0	1408.2	1237.7	1062.9	887.3	723.3
-37.5°	1625.0	1580.4	1511.7	1532.9	1492.7	1402.2	1278.1	1131.4	975.3	821.0	677.0
-40°	1452.4	1422.0	1370.5	1342.6	1323.2	1250.0	1154.5	1033.2	896.2	754.4	630.0
-42.5°	1296.4	1282.0	1244.7	1189.4	1170.8	1122.0	1038.9	938.1	820.7	695.7	582.4
-45°	1163.2	1155.1	1128.3	1080.7	1034.8	1004.0	938.8	847.7	746.6	640.7	537.5
-47.5°	1043.1	1041.7	1019.7	977.2	925.9	897.2	843.8	768.4	674.3	585.8	496.9
-50°	937.5	937.2	918.6	886.0	841.2	803.2	755.8	691.8	615.1	532.1	456.4
-52.5°	851.8	842.1	827.9	800.9	761.7	715.8	678.1	619.0	556.7	485.0	416.1
-55°	770.5	756.8	745.0	720.7	685.0	642.0	604.2	557.8	499.3	440.5	376.5
-57.5°	694.5	679.7	666.7	644.1	613.4	575.3	539.0	498.1	448.6	395.9	341.2
-60°	621.2	607.7	592.0	572.6	545.3	512.6	479.0	441.6	399.8	352.3	305.7
-62.5°	550.3	537.8	522.6	504.4	481.7	454.3	421.4	389.4	351.1	313.4	270.2
-65°	483.1	472.0	456.0	442.0	422.3	397.2	367.5	337.6	308.2	274.7	236.2
-67.5°	419.3	409.4	396.4	382.4	364.8	342.4	314.6	292.1	267.1	236.1	205.9
-70°	357.9	349.1	338.5	326.0	309.4	289.2	269.7	249.7	226.4	202.7	175.4
-72.5°	298.6	291.9	282.9	271.2	258.2	243.3	226.3	208.5	190.5	169.3	144.9
-75°	241.4	236.7	230.2	221.4	210.3	197.7	185.0	171.0	154.9	136.0	117.4
-77.5°	189.0	184.9	179.3	172.9	164.9	155.8	145.4	133.7	120.3	106.2	90.8
-80°	140.7	137.8	133.3	127.3	121.1	114.1	107.2	98.7	88.3	76.8	64.1
-82.5°	97.1	94.0	90.4	86.2	82.6	77.8	71.7	64.5	56.3	47.2	41.7
-85°	58.7	56.2	53.3	49.9	46.2	41.7	39.0	36.2	33.6	30.8	27.8
-87.5°	26.3	25.4	24.4	23.3	22.1	20.8	19.5	18.1	16.8	15.4	13.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.3	10.9	9.2	7.3	5.1	2.6	0.0
85°	24.5	21.7	18.4	14.6	10.2	5.1	0.0
82.5°	36.8	32.6	27.6	21.8	15.3	7.6	0.0
80°	50.5	43.4	36.7	29.1	20.3	10.2	0.0
77.5°	74.2	57.6	45.9	36.3	25.3	12.7	0.0
75°	97.9	78.1	56.4	43.4	30.3	15.2	0.0
72.5°	121.4	98.4	73.2	50.6	35.2	17.6	0.0
70°	145.4	118.6	89.9	58.7	40.0	20.0	0.0
67.5°	172.8	138.6	106.4	71.4	44.8	22.4	0.0
65°	200.1	160.4	122.7	84.0	49.5	24.8	0.0
62.5°	227.3	183.8	138.8	96.4	54.1	27.1	0.0
60°	254.3	207.1	154.7	108.6	58.5	29.3	0.0
57.5°	285.0	230.1	173.4	120.5	66.5	31.5	0.0
55°	315.8	252.8	192.0	132.2	74.3	33.6	0.0
52.5°	346.1	275.8	210.3	143.7	81.9	35.7	0.0
50°	376.0	300.9	228.2	154.9	89.2	37.7	0.0
47.5°	406.3	325.6	245.8	166.3	96.3	39.6	0.0
45°	441.3	349.7	262.9	179.2	103.2	41.4	0.0
42.5°	476.1	373.1	279.6	191.7	109.9	43.2	0.0
40°	510.6	395.9	296.8	203.4	116.2	44.9	0.0
37.5°	544.6	418.1	314.3	214.2	122.3	46.5	0.0
35°	578.1	443.2	331.1	224.4	128.0	48.0	0.0
32.5°	612.4	469.5	347.2	233.8	133.5	49.4	0.0
30°	649.0	494.9	362.6	242.6	138.6	50.7	0.0
27.5°	684.4	519.4	375.4	250.7	143.4	52.0	0.0
25°	718.5	543.0	387.1	258.0	147.9	53.1	0.0
22.5°	751.1	563.9	398.1	264.6	152.0	54.1	0.0
20°	782.0	579.9	408.1	270.4	155.7	55.1	0.0
17.5°	805.3	594.0	417.1	275.5	159.1	55.9	0.0
15°	822.7	606.0	425.2	279.9	162.1	56.6	0.0
12.5°	837.6	616.2	432.3	283.6	164.6	57.2	0.0
10°	849.9	624.4	438.3	286.5	166.8	57.7	0.0
7.5°	859.6	630.7	443.2	288.6	168.6	58.1	0.0
5°	866.7	635.0	447.0	290.1	169.9	58.4	0.0
2.5°	871.0	637.5	449.6	290.9	170.9	58.5	0.0
0°	872.7	638.2	451.0	290.9	171.4	58.6	0.0
-2.5°	871.0	637.5	449.6	290.9	170.9	58.5	0.0
-5°	866.7	635.0	447.0	290.1	169.9	58.4	0.0
-7.5°	859.6	630.7	443.2	288.6	168.6	58.1	0.0
-10°	849.9	624.4	438.3	286.5	166.8	57.7	0.0
-12.5°	837.6	616.2	432.3	283.6	164.6	57.2	0.0
-15°	822.7	606.0	425.2	279.9	162.1	56.6	0.0
-17.5°	805.3	594.0	417.1	275.5	159.1	55.9	0.0
-20°	782.0	579.9	408.1	270.4	155.7	55.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	751.1	563.9	398.1	264.6	152.0	54.1	0.0
-25°	718.5	543.0	387.1	258.0	147.9	53.1	0.0
-27.5°	684.4	519.4	375.4	250.7	143.4	52.0	0.0
-30°	649.0	494.9	362.6	242.6	138.6	50.7	0.0
-32.5°	612.4	469.5	347.2	233.8	133.5	49.4	0.0
-35°	578.1	443.2	331.1	224.4	128.0	48.0	0.0
-37.5°	544.6	418.1	314.3	214.2	122.3	46.5	0.0
-40°	510.6	395.9	296.8	203.4	116.2	44.9	0.0
-42.5°	476.1	373.1	279.6	191.7	109.9	43.2	0.0
-45°	441.3	349.7	262.9	179.2	103.2	41.4	0.0
-47.5°	406.3	325.6	245.8	166.3	96.3	39.6	0.0
-50°	376.0	300.9	228.2	154.9	89.2	37.7	0.0
-52.5°	346.1	275.8	210.3	143.7	81.9	35.7	0.0
-55°	315.8	252.8	192.0	132.2	74.3	33.6	0.0
-57.5°	285.0	230.1	173.4	120.5	66.5	31.5	0.0
-60°	254.3	207.1	154.7	108.6	58.5	29.3	0.0
-62.5°	227.3	183.8	138.8	96.4	54.1	27.1	0.0
-65°	200.1	160.4	122.7	84.0	49.5	24.8	0.0
-67.5°	172.8	138.6	106.4	71.4	44.8	22.4	0.0
-70°	145.4	118.6	89.9	58.7	40.0	20.0	0.0
-72.5°	121.4	98.4	73.2	50.6	35.2	17.6	0.0
-75°	97.9	78.1	56.4	43.4	30.3	15.2	0.0
-77.5°	74.2	57.6	45.9	36.3	25.3	12.7	0.0
-80°	50.5	43.4	36.7	29.1	20.3	10.2	0.0
-82.5°	36.8	32.6	27.6	21.8	15.3	7.6	0.0
-85°	24.5	21.7	18.4	14.6	10.2	5.1	0.0
-87.5°	12.3	10.9	9.2	7.3	5.1	2.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)