

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: P559046 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-930-U-NAT-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559046 (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-SA5C-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**

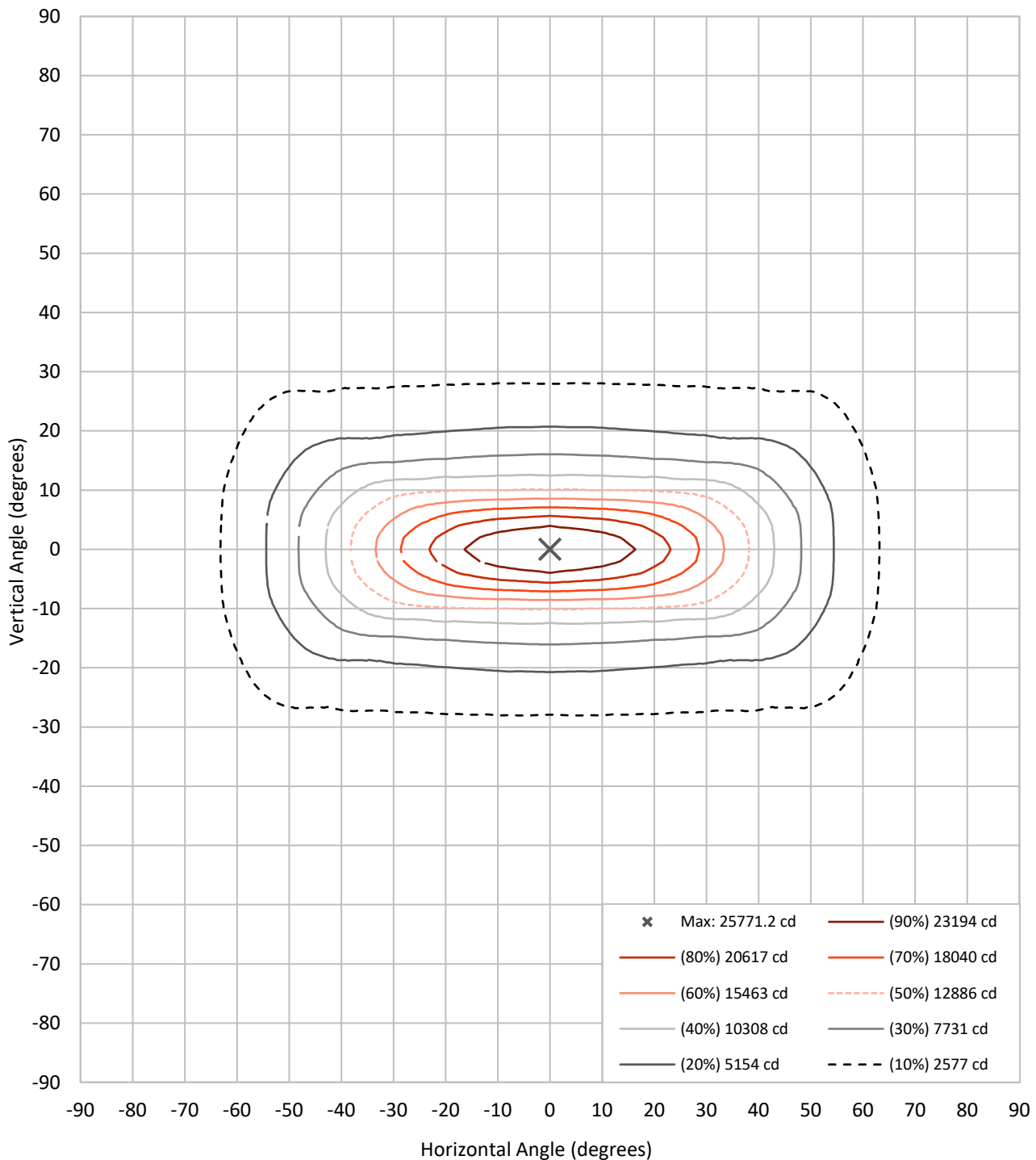
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	18456.8 lumens	Max Intensity:	25771.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	91.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	7384.5 lumens	Field Lumens:	15127.3 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

Input Watts (W): 201  
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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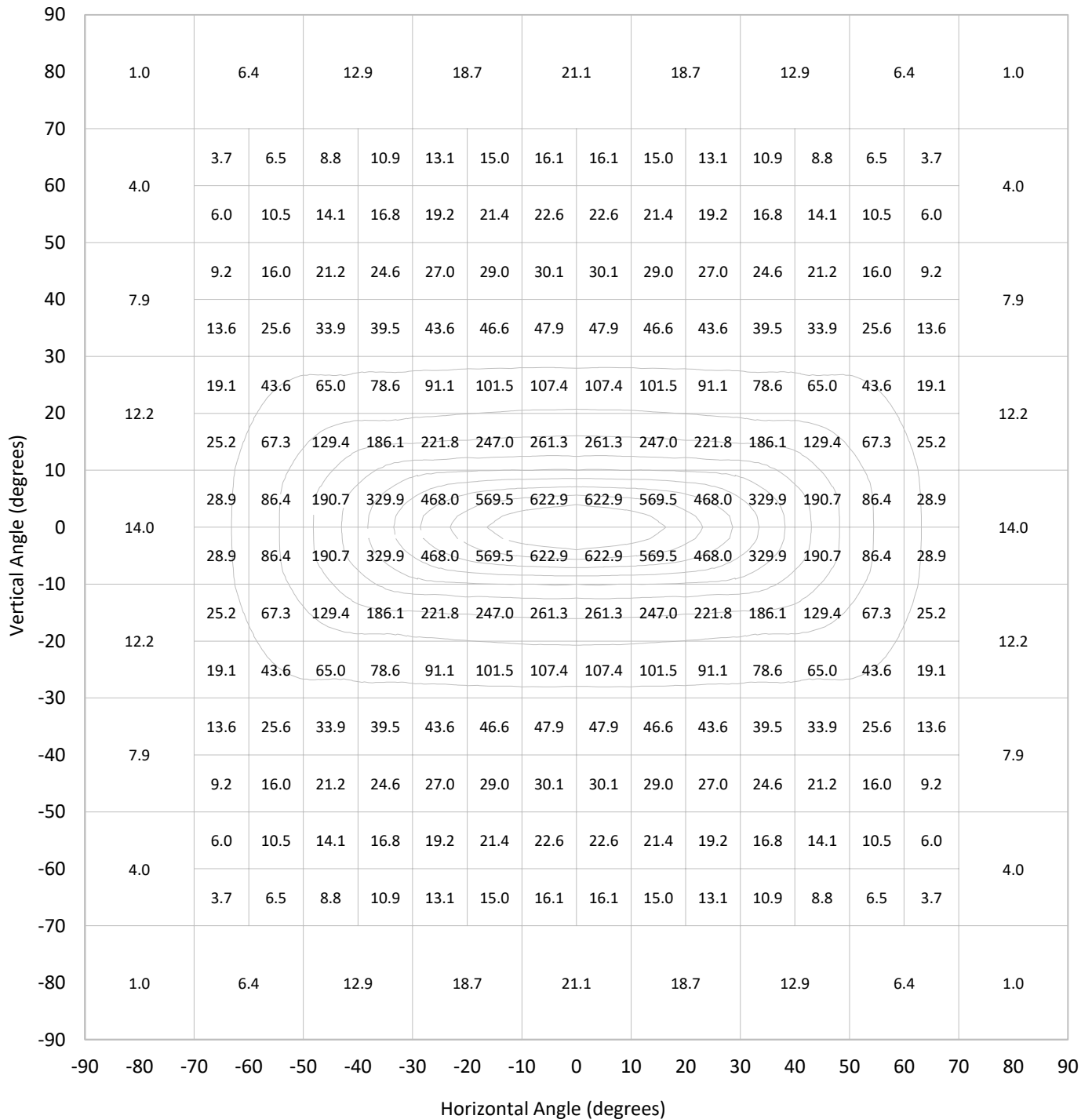
### Iso-Candela Plot





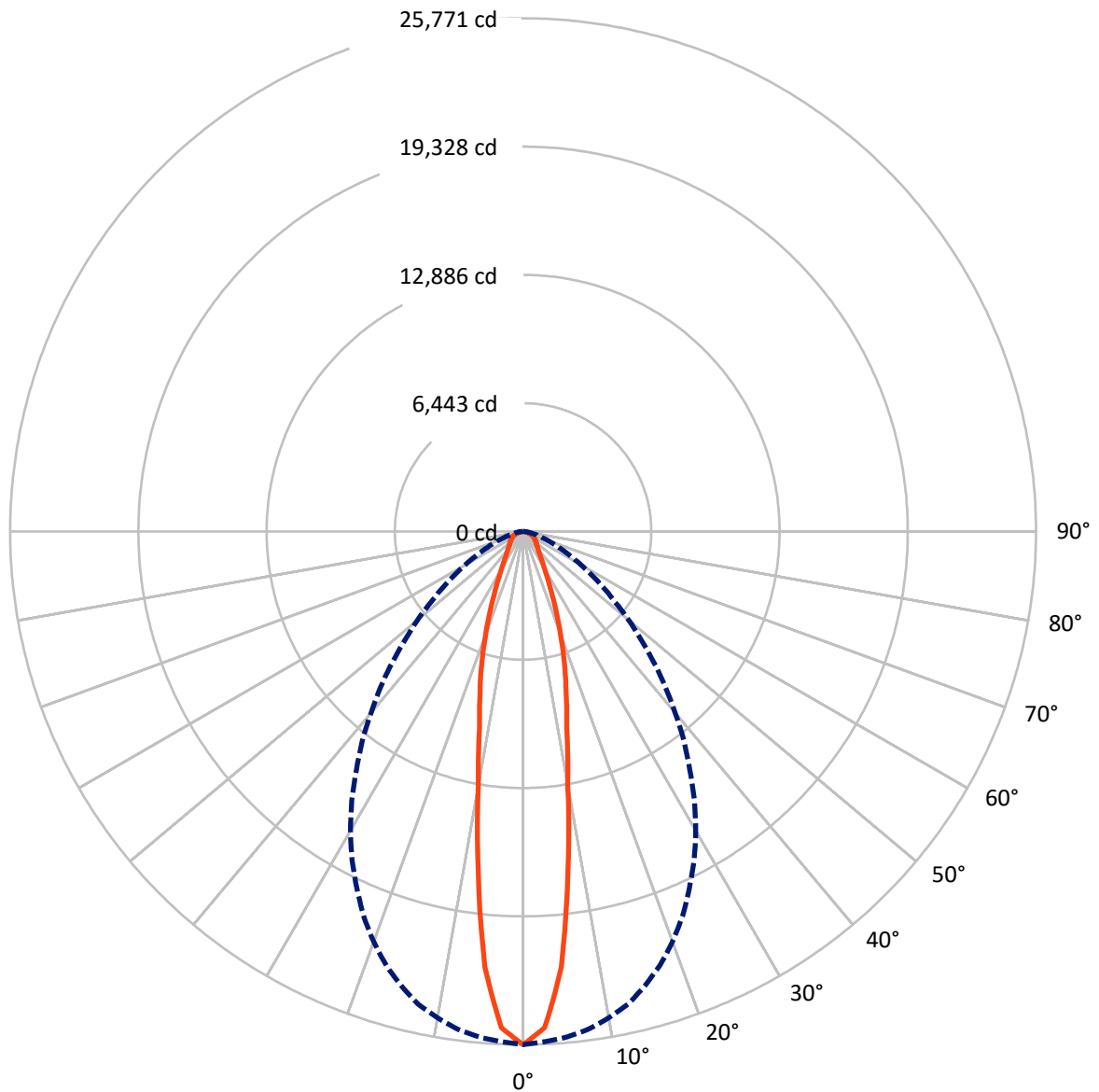
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### Lumen Table



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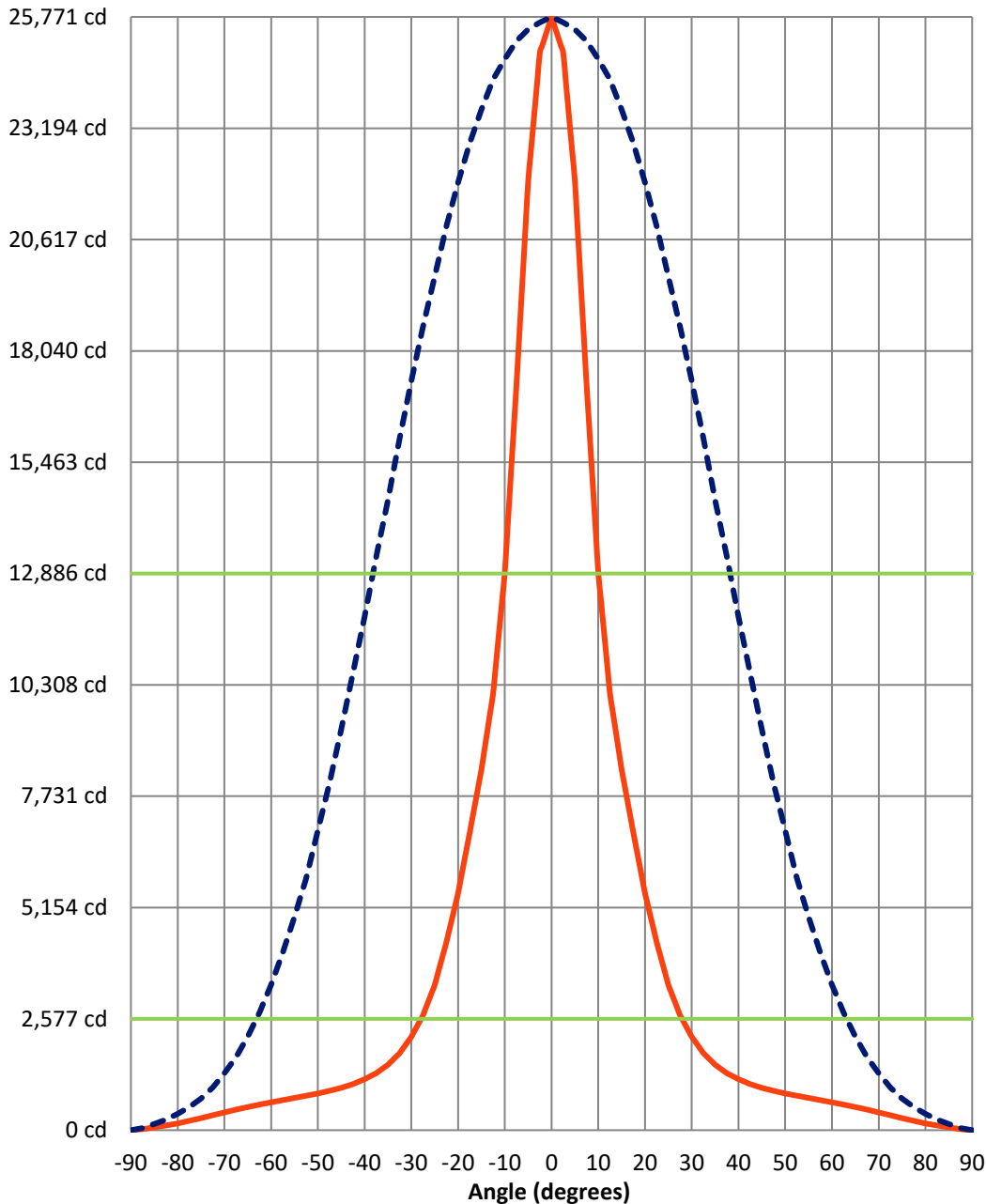
### Luminous Intensity Polar Plot



— 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: 7384.5  
 Efficiency: 40.0%

**Field:**  
 H Angle: 126.3°  
 V Angle: 55.8°  
 Lumens: 15127.3  
 Efficiency: 82.0%

**Spill:**  
 Lumens: 3329.5  
 Efficiency: 18.0%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.1	4.3	6.1	7.7	9.1	10.3	11.7	12.9	14.1	15.2
85°	0.0	4.3	8.6	12.2	15.4	18.2	20.6	23.3	25.8	28.2	30.3
82.5°	0.0	6.4	12.8	18.3	23.1	27.3	30.8	34.9	39.6	47.2	54.1
80°	0.0	8.5	17.1	24.4	30.8	36.4	42.3	53.7	64.4	74.0	82.8
77.5°	0.0	10.6	21.3	30.4	38.5	48.3	62.2	76.1	89.1	100.9	112.1
75°	0.0	12.7	25.4	36.4	47.3	65.5	82.0	98.4	114.1	129.9	143.4
72.5°	0.0	14.8	29.6	42.4	61.4	82.5	101.8	121.5	142.0	159.8	174.9
70°	0.0	16.8	33.6	49.3	75.4	99.4	121.9	147.1	169.9	189.8	209.4
67.5°	0.0	18.8	37.6	59.9	89.2	116.2	144.9	172.6	198.0	224.0	244.9
65°	0.0	20.8	41.5	70.5	102.9	134.5	167.8	198.0	230.3	258.4	283.1
62.5°	0.0	22.7	45.4	80.8	116.4	154.1	190.6	226.5	262.8	294.4	326.5
60°	0.0	24.6	49.2	91.0	129.7	173.6	213.2	256.3	295.4	335.2	370.3
57.5°	0.0	26.4	55.8	101.1	145.4	192.9	239.0	286.1	332.0	376.2	417.7
55°	0.0	28.2	62.3	110.9	161.0	212.0	264.8	315.7	369.4	418.7	467.7
52.5°	0.0	29.9	68.7	120.5	176.3	231.2	290.2	348.9	406.7	466.8	519.1
50°	0.0	31.6	74.9	129.8	191.3	252.3	315.3	382.7	446.1	515.7	580.1
47.5°	0.0	33.2	80.8	139.4	206.1	273.0	340.7	416.7	491.2	565.5	644.4
45°	0.0	34.8	86.6	150.2	220.4	293.2	370.1	450.7	537.3	626.1	710.9
42.5°	0.0	36.3	92.1	160.7	234.4	312.9	399.2	488.4	583.3	688.2	786.7
40°	0.0	37.7	97.5	170.5	248.8	332.0	428.1	528.3	632.6	751.5	866.4
37.5°	0.0	39.0	102.5	179.6	263.5	350.5	456.6	567.7	688.4	817.9	948.7
35°	0.0	40.3	107.4	188.1	277.6	371.6	484.7	606.5	744.0	891.3	1037.9
32.5°	0.0	41.5	111.9	196.1	291.1	393.7	513.5	644.7	799.2	965.7	1136.1
30°	0.0	42.6	116.2	203.4	304.0	415.0	544.2	684.0	853.9	1040.8	1236.5
27.5°	0.0	43.6	120.3	210.2	314.7	435.6	573.9	728.5	911.0	1116.2	1338.6
25°	0.0	44.6	124.0	216.3	324.6	455.3	602.5	771.7	972.6	1198.2	1442.4
22.5°	0.0	45.5	127.4	221.8	333.8	472.9	629.8	813.3	1033.1	1283.1	1555.8
20°	0.0	46.2	130.6	226.7	342.2	486.3	655.7	853.3	1092.0	1366.7	1668.2
17.5°	0.0	46.9	133.4	231.0	349.8	498.1	675.3	891.3	1148.9	1448.5	1778.8
15°	0.0	47.5	135.9	234.7	356.6	508.2	689.8	921.2	1203.4	1527.7	1886.6
12.5°	0.0	48.0	138.0	237.8	362.5	516.7	702.3	940.7	1242.5	1603.6	1990.6
10°	0.0	48.5	139.9	240.2	367.5	523.6	712.6	956.8	1267.4	1639.4	2071.7
7.5°	0.0	48.8	141.3	242.0	371.7	528.9	720.8	969.6	1287.6	1662.9	2108.4
5°	0.0	49.0	142.5	243.2	374.8	532.5	726.7	978.9	1302.9	1679.2	2136.9
2.5°	0.0	49.2	143.3	243.9	377.0	534.6	730.4	984.7	1313.1	1688.4	2156.6
0°	0.0	49.2	143.7	243.9	378.2	535.2	731.8	987.1	1318.1	1690.6	2167.1
-2.5°	0.0	49.2	143.3	243.9	377.0	534.6	730.4	984.7	1313.1	1688.4	2156.6
-5°	0.0	49.0	142.5	243.2	374.8	532.5	726.7	978.9	1302.9	1679.2	2136.9
-7.5°	0.0	48.8	141.3	242.0	371.7	528.9	720.8	969.6	1287.6	1662.9	2108.4
-10°	0.0	48.5	139.9	240.2	367.5	523.6	712.6	956.8	1267.4	1639.4	2071.7
-12.5°	0.0	48.0	138.0	237.8	362.5	516.7	702.3	940.7	1242.5	1603.6	1990.6
-15°	0.0	47.5	135.9	234.7	356.6	508.2	689.8	921.2	1203.4	1527.7	1886.6
-17.5°	0.0	46.9	133.4	231.0	349.8	498.1	675.3	891.3	1148.9	1448.5	1778.8
-20°	0.0	46.2	130.6	226.7	342.2	486.3	655.7	853.3	1092.0	1366.7	1668.2



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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	45.5	127.4	221.8	333.8	472.9	629.8	813.3	1033.1	1283.1	1555.8
-25°	0.0	44.6	124.0	216.3	324.6	455.3	602.5	771.7	972.6	1198.2	1442.4
-27.5°	0.0	43.6	120.3	210.2	314.7	435.6	573.9	728.5	911.0	1116.2	1338.6
-30°	0.0	42.6	116.2	203.4	304.0	415.0	544.2	684.0	853.9	1040.8	1236.5
-32.5°	0.0	41.5	111.9	196.1	291.1	393.7	513.5	644.7	799.2	965.7	1136.1
-35°	0.0	40.3	107.4	188.1	277.6	371.6	484.7	606.5	744.0	891.3	1037.9
-37.5°	0.0	39.0	102.5	179.6	263.5	350.5	456.6	567.7	688.4	817.9	948.7
-40°	0.0	37.7	97.5	170.5	248.8	332.0	428.1	528.3	632.6	751.5	866.4
-42.5°	0.0	36.3	92.1	160.7	234.4	312.9	399.2	488.4	583.3	688.2	786.7
-45°	0.0	34.8	86.6	150.2	220.4	293.2	370.1	450.7	537.3	626.1	710.9
-47.5°	0.0	33.2	80.8	139.4	206.1	273.0	340.7	416.7	491.2	565.5	644.4
-50°	0.0	31.6	74.9	129.8	191.3	252.3	315.3	382.7	446.1	515.7	580.1
-52.5°	0.0	29.9	68.7	120.5	176.3	231.2	290.2	348.9	406.7	466.8	519.1
-55°	0.0	28.2	62.3	110.9	161.0	212.0	264.8	315.7	369.4	418.7	467.7
-57.5°	0.0	26.4	55.8	101.1	145.4	192.9	239.0	286.1	332.0	376.2	417.7
-60°	0.0	24.6	49.2	91.0	129.7	173.6	213.2	256.3	295.4	335.2	370.3
-62.5°	0.0	22.7	45.4	80.8	116.4	154.1	190.6	226.5	262.8	294.4	326.5
-65°	0.0	20.8	41.5	70.5	102.9	134.5	167.8	198.0	230.3	258.4	283.1
-67.5°	0.0	18.8	37.6	59.9	89.2	116.2	144.9	172.6	198.0	224.0	244.9
-70°	0.0	16.8	33.6	49.3	75.4	99.4	121.9	147.1	169.9	189.8	209.4
-72.5°	0.0	14.8	29.6	42.4	61.4	82.5	101.8	121.5	142.0	159.8	174.9
-75°	0.0	12.7	25.4	36.4	47.3	65.5	82.0	98.4	114.1	129.9	143.4
-77.5°	0.0	10.6	21.3	30.4	38.5	48.3	62.2	76.1	89.1	100.9	112.1
-80°	0.0	8.5	17.1	24.4	30.8	36.4	42.3	53.7	64.4	74.0	82.8
-82.5°	0.0	6.4	12.8	18.3	23.1	27.3	30.8	34.9	39.6	47.2	54.1
-85°	0.0	4.3	8.6	12.2	15.4	18.2	20.6	23.3	25.8	28.2	30.3
-87.5°	0.0	2.1	4.3	6.1	7.7	9.1	10.3	11.7	12.9	14.1	15.2
-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):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.4	17.5	18.5	19.5	20.4	21.2	22.0	22.7	23.7	24.6	25.5
85°	32.7	34.9	38.7	41.8	44.6	47.1	49.2	50.9	52.8	54.3	55.5
82.5°	60.2	65.2	69.3	72.3	75.8	78.8	81.4	83.6	86.0	88.2	90.1
80°	90.0	95.7	101.6	106.8	111.8	115.6	117.9	118.9	121.9	125.8	129.7
77.5°	122.0	130.7	138.3	144.9	150.3	155.0	158.4	160.5	165.2	170.7	175.6
75°	155.2	165.8	176.4	185.6	193.0	198.4	202.4	205.6	211.4	218.6	224.8
72.5°	189.7	204.0	216.5	227.3	237.2	244.8	250.4	254.0	259.8	268.3	275.1
70°	226.1	242.4	259.4	273.4	283.9	292.8	300.1	305.2	310.4	319.0	325.4
67.5°	263.8	287.1	305.9	320.7	332.4	343.3	351.6	357.1	359.4	368.1	375.3
65°	308.2	333.1	354.1	370.7	382.4	395.8	405.1	409.8	411.2	420.6	429.6
62.5°	353.4	381.0	404.0	423.0	438.2	451.0	461.4	467.3	468.2	475.2	485.5
60°	401.6	429.9	457.3	480.2	496.5	509.6	520.9	527.1	528.4	531.2	542.9
57.5°	451.9	482.4	514.4	540.1	559.1	570.0	582.3	589.2	592.0	590.3	602.3
55°	506.7	538.4	574.5	604.4	624.7	634.6	646.1	656.0	659.3	657.1	664.3
52.5°	568.7	600.3	638.7	671.6	694.3	706.1	714.3	726.1	731.6	729.1	727.7
50°	633.9	673.5	705.3	742.9	770.3	785.9	786.1	800.8	807.9	805.7	796.0
47.5°	707.6	752.3	776.4	819.5	855.0	873.4	874.7	880.5	889.3	891.6	883.3
45°	787.3	841.9	867.8	906.2	946.1	968.6	975.4	964.8	980.5	985.4	980.2
42.5°	871.1	940.9	981.8	997.3	1043.8	1075.0	1087.1	1079.7	1078.8	1089.8	1089.7
40°	968.1	1048.1	1109.5	1125.8	1149.3	1192.4	1217.9	1216.5	1187.9	1208.3	1213.7
37.5°	1071.7	1175.8	1251.6	1285.5	1267.7	1325.2	1362.7	1377.8	1360.0	1339.9	1362.8
35°	1180.8	1312.3	1414.6	1472.1	1474.7	1473.3	1531.9	1563.4	1565.5	1528.8	1537.1
32.5°	1302.8	1457.2	1592.7	1685.8	1728.0	1701.9	1717.1	1783.2	1815.5	1801.5	1748.6
30°	1433.8	1623.3	1789.5	1920.7	2015.2	2043.0	1980.0	2031.5	2103.2	2131.8	2108.8
27.5°	1566.4	1799.6	2010.2	2192.2	2338.5	2431.2	2433.4	2353.9	2435.1	2504.1	2530.7
25°	1701.1	1975.9	2244.3	2491.0	2712.4	2871.8	2945.2	2953.7	2840.0	2943.3	3039.6
22.5°	1844.6	2157.4	2475.9	2809.2	3117.7	3351.8	3529.6	3636.8	3633.2	3524.8	3609.5
20°	1996.5	2354.9	2725.8	3121.2	3541.9	3863.6	4161.7	4389.6	4526.8	4572.4	4483.6
17.5°	2148.0	2554.1	2988.1	3459.0	3945.9	4391.8	4838.5	5202.2	5490.4	5727.0	5811.6
15°	2297.7	2752.9	3251.5	3799.2	4361.8	4920.0	5494.3	6051.3	6541.7	6974.6	7231.2
12.5°	2443.9	2949.0	3512.8	4137.8	4783.5	5455.4	6140.7	6819.3	7525.7	8226.9	8759.8
10°	2584.9	3139.9	3768.7	4470.5	5204.8	5990.7	6785.9	7591.2	8449.5	9276.4	10072.5
7.5°	2645.2	3264.7	3989.1	4792.8	5619.1	6517.6	7421.4	8356.3	9359.1	10324.0	11296.1
5°	2682.4	3314.2	4051.1	4888.3	5807.5	6861.6	7939.9	9098.0	10242.2	11353.2	12498.7
2.5°	2707.1	3348.2	4092.4	4926.0	5835.6	6918.1	8009.9	9212.4	10496.3	11780.8	13144.5
0°	2719.3	3366.1	4113.0	4937.5	5832.0	6936.4	8037.0	9277.5	10578.5	11885.2	13280.8
-2.5°	2707.1	3348.2	4092.4	4926.0	5835.6	6918.1	8009.9	9212.4	10496.3	11780.8	13144.5
-5°	2682.4	3314.2	4051.1	4888.3	5807.5	6861.6	7939.9	9098.0	10242.2	11353.2	12498.7
-7.5°	2645.2	3264.7	3989.1	4792.8	5619.1	6517.6	7421.4	8356.3	9359.1	10324.0	11296.1
-10°	2584.9	3139.9	3768.7	4470.5	5204.8	5990.7	6785.9	7591.2	8449.5	9276.4	10072.5
-12.5°	2443.9	2949.0	3512.8	4137.8	4783.5	5455.4	6140.7	6819.3	7525.7	8226.9	8759.8
-15°	2297.7	2752.9	3251.5	3799.2	4361.8	4920.0	5494.3	6051.3	6541.7	6974.6	7231.2
-17.5°	2148.0	2554.1	2988.1	3459.0	3945.9	4391.8	4838.5	5202.2	5490.4	5727.0	5811.6
-20°	1996.5	2354.9	2725.8	3121.2	3541.9	3863.6	4161.7	4389.6	4526.8	4572.4	4483.6



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 CATALOG NUMBER: GFLD-SA5C-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°	1844.6	2157.4	2475.9	2809.2	3117.7	3351.8	3529.6	3636.8	3633.2	3524.8	3609.5
-25°	1701.1	1975.9	2244.3	2491.0	2712.4	2871.8	2945.2	2953.7	2840.0	2943.3	3039.6
-27.5°	1566.4	1799.6	2010.2	2192.2	2338.5	2431.2	2433.4	2353.9	2435.1	2504.1	2530.7
-30°	1433.8	1623.3	1789.5	1920.7	2015.2	2043.0	1980.0	2031.5	2103.2	2131.8	2108.8
-32.5°	1302.8	1457.2	1592.7	1685.8	1728.0	1701.9	1717.1	1783.2	1815.5	1801.5	1748.6
-35°	1180.8	1312.3	1414.6	1472.1	1474.7	1473.3	1531.9	1563.4	1565.5	1528.8	1537.1
-37.5°	1071.7	1175.8	1251.6	1285.5	1267.7	1325.2	1362.7	1377.8	1360.0	1339.9	1362.8
-40°	968.1	1048.1	1109.5	1125.8	1149.3	1192.4	1217.9	1216.5	1187.9	1208.3	1213.7
-42.5°	871.1	940.9	981.8	997.3	1043.8	1075.0	1087.1	1079.7	1078.8	1089.8	1089.7
-45°	787.3	841.9	867.8	906.2	946.1	968.6	975.4	964.8	980.5	985.4	980.2
-47.5°	707.6	752.3	776.4	819.5	855.0	873.4	874.7	880.5	889.3	891.6	883.3
-50°	633.9	673.5	705.3	742.9	770.3	785.9	786.1	800.8	807.9	805.7	796.0
-52.5°	568.7	600.3	638.7	671.6	694.3	706.1	714.3	726.1	731.6	729.1	727.7
-55°	506.7	538.4	574.5	604.4	624.7	634.6	646.1	656.0	659.3	657.1	664.3
-57.5°	451.9	482.4	514.4	540.1	559.1	570.0	582.3	589.2	592.0	590.3	602.3
-60°	401.6	429.9	457.3	480.2	496.5	509.6	520.9	527.1	528.4	531.2	542.9
-62.5°	353.4	381.0	404.0	423.0	438.2	451.0	461.4	467.3	468.2	475.2	485.5
-65°	308.2	333.1	354.1	370.7	382.4	395.8	405.1	409.8	411.2	420.6	429.6
-67.5°	263.8	287.1	305.9	320.7	332.4	343.3	351.6	357.1	359.4	368.1	375.3
-70°	226.1	242.4	259.4	273.4	283.9	292.8	300.1	305.2	310.4	319.0	325.4
-72.5°	189.7	204.0	216.5	227.3	237.2	244.8	250.4	254.0	259.8	268.3	275.1
-75°	155.2	165.8	176.4	185.6	193.0	198.4	202.4	205.6	211.4	218.6	224.8
-77.5°	122.0	130.7	138.3	144.9	150.3	155.0	158.4	160.5	165.2	170.7	175.6
-80°	90.0	95.7	101.6	106.8	111.8	115.6	117.9	118.9	121.9	125.8	129.7
-82.5°	60.2	65.2	69.3	72.3	75.8	78.8	81.4	83.6	86.0	88.2	90.1
-85°	32.7	34.9	38.7	41.8	44.6	47.1	49.2	50.9	52.8	54.3	55.5
-87.5°	16.4	17.5	18.5	19.5	20.4	21.2	22.0	22.7	23.7	24.6	25.5
-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: P559046 (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°	26.3	25.9	25.4	24.8	24.0	24.0	24.0	23.9	23.8	23.6	23.3
85°	56.3	57.4	58.4	59.4	60.3	61.3	62.1	62.8	63.4	63.3	63.1
82.5°	91.7	94.7	97.8	100.7	103.3	104.8	105.9	106.6	107.0	107.9	108.5
80°	133.0	137.5	141.7	145.2	148.0	150.0	151.7	153.1	154.1	155.2	155.9
77.5°	180.0	185.0	189.8	194.0	197.6	201.0	203.9	206.2	207.9	210.6	213.0
75°	229.9	235.6	241.5	246.8	251.5	256.5	261.4	266.0	270.0	273.4	275.9
72.5°	280.4	286.3	293.7	300.4	306.7	313.5	320.1	325.9	330.9	335.6	339.8
70°	330.2	335.8	345.2	354.3	362.8	370.8	378.8	385.9	392.2	398.3	403.8
67.5°	381.6	387.5	399.2	409.7	419.1	428.0	437.3	445.5	452.7	459.1	464.7
65°	436.5	441.7	454.4	465.9	475.8	484.1	494.1	503.1	511.2	518.3	524.3
62.5°	493.3	498.5	509.0	520.3	529.8	537.7	549.5	559.7	568.3	575.4	581.4
60°	551.0	555.5	563.5	576.0	586.6	595.3	605.6	615.5	623.8	630.9	637.2
57.5°	610.8	615.3	619.2	631.7	641.9	649.8	658.9	668.5	676.7	683.3	689.9
55°	672.6	676.1	675.0	686.5	696.1	702.5	709.3	719.5	727.5	733.4	739.4
52.5°	735.8	740.0	737.2	742.0	752.4	758.3	761.2	772.2	780.5	785.8	791.3
50°	806.2	809.6	807.0	804.2	814.3	820.4	822.0	831.0	838.5	842.6	846.4
47.5°	882.6	886.6	884.6	873.6	882.6	890.2	890.4	894.3	902.0	905.1	907.5
45°	965.6	973.5	971.8	964.1	962.9	970.7	969.9	966.8	975.8	979.8	981.0
42.5°	1074.5	1071.9	1074.4	1070.0	1056.2	1065.1	1066.2	1055.0	1066.2	1071.1	1068.2
40°	1207.8	1183.4	1196.9	1194.9	1182.1	1180.2	1187.1	1178.0	1179.7	1186.6	1181.3
37.5°	1366.4	1349.0	1341.7	1347.7	1344.0	1327.6	1340.7	1337.5	1327.1	1338.8	1333.6
35°	1561.7	1556.5	1517.2	1541.1	1546.0	1530.4	1535.0	1541.7	1519.2	1536.9	1535.1
32.5°	1790.0	1801.5	1793.1	1778.4	1800.7	1803.5	1777.7	1808.7	1796.2	1800.6	1812.8
30°	2048.5	2107.8	2136.7	2110.9	2124.8	2152.4	2139.7	2161.2	2171.6	2155.4	2185.9
27.5°	2500.2	2479.1	2548.4	2578.5	2546.2	2596.6	2633.2	2617.0	2670.5	2638.8	2684.0
25°	3074.3	3043.4	3061.9	3161.4	3183.4	3157.9	3261.0	3273.1	3315.5	3320.7	3352.2
22.5°	3748.7	3823.3	3814.6	3844.9	3969.8	4011.7	4049.8	4148.9	4126.2	4216.1	4231.8
20°	4502.8	4690.4	4819.6	4846.7	4900.2	5043.9	5109.8	5188.0	5240.5	5325.6	5397.5
17.5°	5778.4	5682.3	5935.8	6095.0	6178.7	6208.7	6381.8	6438.2	6568.2	6642.5	6716.3
15°	7416.3	7472.3	7357.9	7509.7	7766.1	7852.7	7753.2	7985.6	8051.0	8176.1	8198.3
12.5°	9166.9	9450.3	9589.2	9627.0	9493.0	9857.7	10003.8	9820.4	10028.5	9991.0	10162.2
10°	10837.3	11525.9	11938.0	12227.9	12404.2	12510.4	12615.8	12805.5	12808.7	12949.2	12867.2
7.5°	12208.7	13081.7	13915.7	14724.7	15371.9	15734.7	16019.5	16292.8	16657.3	16831.9	16945.4
5°	13550.4	14557.6	15555.5	16536.2	17424.3	18278.7	19116.2	19842.5	20227.4	20677.3	21078.4
2.5°	14418.1	15692.2	16966.6	18228.9	19255.1	20196.7	21068.3	21877.8	22587.9	23244.8	23799.5
0°	14587.5	16013.4	17342.8	18602.2	19757.7	20920.7	21936.1	22851.4	23624.9	24322.6	24793.5
-2.5°	14418.1	15692.2	16966.6	18228.9	19255.1	20196.7	21068.3	21877.8	22587.9	23244.8	23799.5
-5°	13550.4	14557.6	15555.5	16536.2	17424.3	18278.7	19116.2	19842.5	20227.4	20677.3	21078.4
-7.5°	12208.7	13081.7	13915.7	14724.7	15371.9	15734.7	16019.5	16292.8	16657.3	16831.9	16945.4
-10°	10837.3	11525.9	11938.0	12227.9	12404.2	12510.4	12615.8	12805.5	12808.7	12949.2	12867.2
-12.5°	9166.9	9450.3	9589.2	9627.0	9493.0	9857.7	10003.8	9820.4	10028.5	9991.0	10162.2
-15°	7416.3	7472.3	7357.9	7509.7	7766.1	7852.7	7753.2	7985.6	8051.0	8176.1	8198.3
-17.5°	5778.4	5682.3	5935.8	6095.0	6178.7	6208.7	6381.8	6438.2	6568.2	6642.5	6716.3
-20°	4502.8	4690.4	4819.6	4846.7	4900.2	5043.9	5109.8	5188.0	5240.5	5325.6	5397.5



REPORT NUMBER: P559046 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3748.7	3823.3	3814.6	3844.9	3969.8	4011.7	4049.8	4148.9	4126.2	4216.1	4231.8
-25°	3074.3	3043.4	3061.9	3161.4	3183.4	3157.9	3261.0	3273.1	3315.5	3320.7	3352.2
-27.5°	2500.2	2479.1	2548.4	2578.5	2546.2	2596.6	2633.2	2617.0	2670.5	2638.8	2684.0
-30°	2048.5	2107.8	2136.7	2110.9	2124.8	2152.4	2139.7	2161.2	2171.6	2155.4	2185.9
-32.5°	1790.0	1801.5	1793.1	1778.4	1800.7	1803.5	1777.7	1808.7	1796.2	1800.6	1812.8
-35°	1561.7	1556.5	1517.2	1541.1	1546.0	1530.4	1535.0	1541.7	1519.2	1536.9	1535.1
-37.5°	1366.4	1349.0	1341.7	1347.7	1344.0	1327.6	1340.7	1337.5	1327.1	1338.8	1333.6
-40°	1207.8	1183.4	1196.9	1194.9	1182.1	1180.2	1187.1	1178.0	1179.7	1186.6	1181.3
-42.5°	1074.5	1071.9	1074.4	1070.0	1056.2	1065.1	1066.2	1055.0	1066.2	1071.1	1068.2
-45°	965.6	973.5	971.8	964.1	962.9	970.7	969.9	966.8	975.8	979.8	981.0
-47.5°	882.6	886.6	884.6	873.6	882.6	890.2	890.4	894.3	902.0	905.1	907.5
-50°	806.2	809.6	807.0	804.2	814.3	820.4	822.0	831.0	838.5	842.6	846.4
-52.5°	735.8	740.0	737.2	742.0	752.4	758.3	761.2	772.2	780.5	785.8	791.3
-55°	672.6	676.1	675.0	686.5	696.1	702.5	709.3	719.5	727.5	733.4	739.4
-57.5°	610.8	615.3	619.2	631.7	641.9	649.8	658.9	668.5	676.7	683.3	689.9
-60°	551.0	555.5	563.5	576.0	586.6	595.3	605.6	615.5	623.8	630.9	637.2
-62.5°	493.3	498.5	509.0	520.3	529.8	537.7	549.5	559.7	568.3	575.4	581.4
-65°	436.5	441.7	454.4	465.9	475.8	484.1	494.1	503.1	511.2	518.3	524.3
-67.5°	381.6	387.5	399.2	409.7	419.1	428.0	437.3	445.5	452.7	459.1	464.7
-70°	330.2	335.8	345.2	354.3	362.8	370.8	378.8	385.9	392.2	398.3	403.8
-72.5°	280.4	286.3	293.7	300.4	306.7	313.5	320.1	325.9	330.9	335.6	339.8
-75°	229.9	235.6	241.5	246.8	251.5	256.5	261.4	266.0	270.0	273.4	275.9
-77.5°	180.0	185.0	189.8	194.0	197.6	201.0	203.9	206.2	207.9	210.6	213.0
-80°	133.0	137.5	141.7	145.2	148.0	150.0	151.7	153.1	154.1	155.2	155.9
-82.5°	91.7	94.7	97.8	100.7	103.3	104.8	105.9	106.6	107.0	107.9	108.5
-85°	56.3	57.4	58.4	59.4	60.3	61.3	62.1	62.8	63.4	63.3	63.1
-87.5°	26.3	25.9	25.4	24.8	24.0	24.0	24.0	23.9	23.8	23.6	23.3
-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: P559046 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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°	23.0	22.6	23.6	24.6	23.6	22.6	23.0	23.3	23.6	23.8	23.9
85°	62.7	62.1	63.3	64.3	63.3	62.1	62.7	63.1	63.3	63.4	62.8
82.5°	109.0	109.2	109.6	109.7	109.6	109.2	109.0	108.5	107.9	107.0	106.6
80°	156.3	156.3	155.9	155.1	155.9	156.3	156.3	155.9	155.2	154.1	153.1
77.5°	214.9	216.3	217.2	217.5	217.2	216.3	214.9	213.0	210.6	207.9	206.2
75°	277.6	278.5	278.6	278.0	278.6	278.5	277.6	275.9	273.4	270.0	266.0
72.5°	343.3	346.1	346.6	346.1	346.6	346.1	343.3	339.8	335.6	330.9	325.9
70°	408.3	411.9	411.9	410.4	411.9	411.9	408.3	403.8	398.3	392.2	385.9
67.5°	469.1	472.4	475.0	476.5	475.0	472.4	469.1	464.7	459.1	452.7	445.5
65°	529.1	532.6	534.6	535.2	534.6	532.6	529.1	524.3	518.3	511.2	503.1
62.5°	586.1	589.3	591.3	591.9	591.3	589.3	586.1	581.4	575.4	568.3	559.7
60°	642.2	645.7	646.3	644.8	646.3	645.7	642.2	637.2	630.9	623.8	615.5
57.5°	695.0	698.7	698.6	695.9	698.6	698.7	695.0	689.9	683.3	676.7	668.5
55°	743.7	746.4	747.4	747.0	747.4	746.4	743.7	739.4	733.4	727.5	719.5
52.5°	795.3	797.4	798.3	798.0	798.3	797.4	795.3	791.3	785.8	780.5	772.2
50°	849.2	849.5	849.4	849.1	849.4	849.5	849.2	846.4	842.6	838.5	831.0
47.5°	910.8	911.4	911.5	911.5	911.5	911.4	910.8	907.5	905.1	902.0	894.3
45°	983.5	981.5	979.5	979.6	979.5	981.5	983.5	981.0	979.8	975.8	966.8
42.5°	1070.9	1068.6	1065.9	1066.6	1065.9	1068.6	1070.9	1068.2	1071.1	1066.2	1055.0
40°	1185.9	1185.3	1181.4	1180.0	1181.4	1185.3	1185.9	1181.3	1186.6	1179.7	1178.0
37.5°	1334.4	1332.3	1323.6	1320.0	1323.6	1332.3	1334.4	1333.6	1338.8	1327.1	1337.5
35°	1529.8	1526.9	1513.7	1514.7	1513.7	1526.9	1529.8	1535.1	1536.9	1519.2	1541.7
32.5°	1806.7	1807.8	1787.8	1783.3	1787.8	1807.8	1806.7	1812.8	1800.6	1796.2	1808.7
30°	2166.9	2174.8	2151.4	2161.5	2151.4	2174.8	2166.9	2185.9	2155.4	2171.6	2161.2
27.5°	2683.2	2698.3	2677.5	2660.7	2677.5	2698.3	2683.2	2684.0	2638.8	2670.5	2617.0
25°	3393.7	3404.9	3381.2	3360.4	3381.2	3404.9	3393.7	3352.2	3320.7	3315.5	3273.1
22.5°	4318.5	4317.8	4316.6	4349.4	4316.6	4317.8	4318.5	4231.8	4216.1	4126.2	4148.9
20°	5444.0	5416.7	5457.6	5484.0	5457.6	5416.7	5444.0	5397.5	5325.6	5240.5	5188.0
17.5°	6733.4	6784.5	6823.7	6889.1	6823.7	6784.5	6733.4	6716.3	6642.5	6568.2	6438.2
15°	8253.7	8330.8	8370.0	8349.0	8370.0	8330.8	8253.7	8198.3	8176.1	8051.0	7985.6
12.5°	10168.2	10260.2	10192.3	10107.6	10192.3	10260.2	10168.2	10162.2	9991.0	10028.5	9820.4
10°	12868.4	13066.6	13077.7	12912.1	13077.7	13066.6	12868.4	12867.2	12949.2	12808.7	12805.5
7.5°	17011.3	17107.7	17254.1	17261.5	17254.1	17107.7	17011.3	16945.4	16831.9	16657.3	16292.8
5°	21260.1	21516.7	21682.2	21968.3	21682.2	21516.7	21260.1	21078.4	20677.3	20227.4	19842.5
2.5°	24157.8	24489.5	24616.9	24941.0	24616.9	24489.5	24157.8	23799.5	23244.8	22587.9	21877.8
0°	25213.3	25481.9	25642.6	25771.2	25642.6	25481.9	25213.3	24793.5	24322.6	23624.9	22851.4
-2.5°	24157.8	24489.5	24616.9	24941.0	24616.9	24489.5	24157.8	23799.5	23244.8	22587.9	21877.8
-5°	21260.1	21516.7	21682.2	21968.3	21682.2	21516.7	21260.1	21078.4	20677.3	20227.4	19842.5
-7.5°	17011.3	17107.7	17254.1	17261.5	17254.1	17107.7	17011.3	16945.4	16831.9	16657.3	16292.8
-10°	12868.4	13066.6	13077.7	12912.1	13077.7	13066.6	12868.4	12867.2	12949.2	12808.7	12805.5
-12.5°	10168.2	10260.2	10192.3	10107.6	10192.3	10260.2	10168.2	10162.2	9991.0	10028.5	9820.4
-15°	8253.7	8330.8	8370.0	8349.0	8370.0	8330.8	8253.7	8198.3	8176.1	8051.0	7985.6
-17.5°	6733.4	6784.5	6823.7	6889.1	6823.7	6784.5	6733.4	6716.3	6642.5	6568.2	6438.2
-20°	5444.0	5416.7	5457.6	5484.0	5457.6	5416.7	5444.0	5397.5	5325.6	5240.5	5188.0



REPORT NUMBER: P559046 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-930-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4318.5	4317.8	4316.6	4349.4	4316.6	4317.8	4318.5	4231.8	4216.1	4126.2	4148.9
-25°	3393.7	3404.9	3381.2	3360.4	3381.2	3404.9	3393.7	3352.2	3320.7	3315.5	3273.1
-27.5°	2683.2	2698.3	2677.5	2660.7	2677.5	2698.3	2683.2	2684.0	2638.8	2670.5	2617.0
-30°	2166.9	2174.8	2151.4	2161.5	2151.4	2174.8	2166.9	2185.9	2155.4	2171.6	2161.2
-32.5°	1806.7	1807.8	1787.8	1783.3	1787.8	1807.8	1806.7	1812.8	1800.6	1796.2	1808.7
-35°	1529.8	1526.9	1513.7	1514.7	1513.7	1526.9	1529.8	1535.1	1536.9	1519.2	1541.7
-37.5°	1334.4	1332.3	1323.6	1320.0	1323.6	1332.3	1334.4	1333.6	1338.8	1327.1	1337.5
-40°	1185.9	1185.3	1181.4	1180.0	1181.4	1185.3	1185.9	1181.3	1186.6	1179.7	1178.0
-42.5°	1070.9	1068.6	1065.9	1066.6	1065.9	1068.6	1070.9	1068.2	1071.1	1066.2	1055.0
-45°	983.5	981.5	979.5	979.6	979.5	981.5	983.5	981.0	979.8	975.8	966.8
-47.5°	910.8	911.4	911.5	911.5	911.5	911.4	910.8	907.5	905.1	902.0	894.3
-50°	849.2	849.5	849.4	849.1	849.4	849.5	849.2	846.4	842.6	838.5	831.0
-52.5°	795.3	797.4	798.3	798.0	798.3	797.4	795.3	791.3	785.8	780.5	772.2
-55°	743.7	746.4	747.4	747.0	747.4	746.4	743.7	739.4	733.4	727.5	719.5
-57.5°	695.0	698.7	698.6	695.9	698.6	698.7	695.0	689.9	683.3	676.7	668.5
-60°	642.2	645.7	646.3	644.8	646.3	645.7	642.2	637.2	630.9	623.8	615.5
-62.5°	586.1	589.3	591.3	591.9	591.3	589.3	586.1	581.4	575.4	568.3	559.7
-65°	529.1	532.6	534.6	535.2	534.6	532.6	529.1	524.3	518.3	511.2	503.1
-67.5°	469.1	472.4	475.0	476.5	475.0	472.4	469.1	464.7	459.1	452.7	445.5
-70°	408.3	411.9	411.9	410.4	411.9	411.9	408.3	403.8	398.3	392.2	385.9
-72.5°	343.3	346.1	346.6	346.1	346.6	346.1	343.3	339.8	335.6	330.9	325.9
-75°	277.6	278.5	278.6	278.0	278.6	278.5	277.6	275.9	273.4	270.0	266.0
-77.5°	214.9	216.3	217.2	217.5	217.2	216.3	214.9	213.0	210.6	207.9	206.2
-80°	156.3	156.3	155.9	155.1	155.9	156.3	156.3	155.9	155.2	154.1	153.1
-82.5°	109.0	109.2	109.6	109.7	109.6	109.2	109.0	108.5	107.9	107.0	106.6
-85°	62.7	62.1	63.3	64.3	63.3	62.1	62.7	63.1	63.3	63.4	62.8
-87.5°	23.0	22.6	23.6	24.6	23.6	22.6	23.0	23.3	23.6	23.8	23.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P559046 (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°
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°	24.0	24.0	24.0	24.8	25.4	25.9	26.3	25.5	24.6	23.7	22.7
85°	62.1	61.3	60.3	59.4	58.4	57.4	56.3	55.5	54.3	52.8	50.9
82.5°	105.9	104.8	103.3	100.7	97.8	94.7	91.7	90.1	88.2	86.0	83.6
80°	151.7	150.0	148.0	145.2	141.7	137.5	133.0	129.7	125.8	121.9	118.9
77.5°	203.9	201.0	197.6	194.0	189.8	185.0	180.0	175.6	170.7	165.2	160.5
75°	261.4	256.5	251.5	246.8	241.5	235.6	229.9	224.8	218.6	211.4	205.6
72.5°	320.1	313.5	306.7	300.4	293.7	286.3	280.4	275.1	268.3	259.8	254.0
70°	378.8	370.8	362.8	354.3	345.2	335.8	330.2	325.4	319.0	310.4	305.2
67.5°	437.3	428.0	419.1	409.7	399.2	387.5	381.6	375.3	368.1	359.4	357.1
65°	494.1	484.1	475.8	465.9	454.4	441.7	436.5	429.6	420.6	411.2	409.8
62.5°	549.5	537.7	529.8	520.3	509.0	498.5	493.3	485.5	475.2	468.2	467.3
60°	605.6	595.3	586.6	576.0	563.5	555.5	551.0	542.9	531.2	528.4	527.1
57.5°	658.9	649.8	641.9	631.7	619.2	615.3	610.8	602.3	590.3	592.0	589.2
55°	709.3	702.5	696.1	686.5	675.0	676.1	672.6	664.3	657.1	659.3	656.0
52.5°	761.2	758.3	752.4	742.0	737.2	740.0	735.8	727.7	729.1	731.6	726.1
50°	822.0	820.4	814.3	804.2	807.0	809.6	806.2	796.0	805.7	807.9	800.8
47.5°	890.4	890.2	882.6	873.6	884.6	886.6	882.6	883.3	891.6	889.3	880.5
45°	969.9	970.7	962.9	964.1	971.8	973.5	965.6	980.2	985.4	980.5	964.8
42.5°	1066.2	1065.1	1056.2	1070.0	1074.4	1071.9	1074.5	1089.7	1089.8	1078.8	1079.7
40°	1187.1	1180.2	1182.1	1194.9	1196.9	1183.4	1207.8	1213.7	1208.3	1187.9	1216.5
37.5°	1340.7	1327.6	1344.0	1347.7	1341.7	1349.0	1366.4	1362.8	1339.9	1360.0	1377.8
35°	1535.0	1530.4	1546.0	1541.1	1517.2	1556.5	1561.7	1537.1	1528.8	1565.5	1563.4
32.5°	1777.7	1803.5	1800.7	1778.4	1793.1	1801.5	1790.0	1748.6	1801.5	1815.5	1783.2
30°	2139.7	2152.4	2124.8	2110.9	2136.7	2107.8	2048.5	2108.8	2131.8	2103.2	2031.5
27.5°	2633.2	2596.6	2546.2	2578.5	2548.4	2479.1	2500.2	2530.7	2504.1	2435.1	2353.9
25°	3261.0	3157.9	3183.4	3161.4	3061.9	3043.4	3074.3	3039.6	2943.3	2840.0	2953.7
22.5°	4049.8	4011.7	3969.8	3844.9	3814.6	3823.3	3748.7	3609.5	3524.8	3633.2	3636.8
20°	5109.8	5043.9	4900.2	4846.7	4819.6	4690.4	4502.8	4483.6	4572.4	4526.8	4389.6
17.5°	6381.8	6208.7	6178.7	6095.0	5935.8	5682.3	5778.4	5811.6	5727.0	5490.4	5202.2
15°	7753.2	7852.7	7766.1	7509.7	7357.9	7472.3	7416.3	7231.2	6974.6	6541.7	6051.3
12.5°	10003.8	9857.7	9493.0	9627.0	9589.2	9450.3	9166.9	8759.8	8226.9	7525.7	6819.3
10°	12615.8	12510.4	12404.2	12227.9	11938.0	11525.9	10837.3	10072.5	9276.4	8449.5	7591.2
7.5°	16019.5	15734.7	15371.9	14724.7	13915.7	13081.7	12208.7	11296.1	10324.0	9359.1	8356.3
5°	19116.2	18278.7	17424.3	16536.2	15555.5	14557.6	13550.4	12498.7	11353.2	10242.2	9098.0
2.5°	21068.3	20196.7	19255.1	18228.9	16966.6	15692.2	14418.1	13144.5	11780.8	10496.3	9212.4
0°	21936.1	20920.7	19757.7	18602.2	17342.8	16013.4	14587.5	13280.8	11885.2	10578.5	9277.5
-2.5°	21068.3	20196.7	19255.1	18228.9	16966.6	15692.2	14418.1	13144.5	11780.8	10496.3	9212.4
-5°	19116.2	18278.7	17424.3	16536.2	15555.5	14557.6	13550.4	12498.7	11353.2	10242.2	9098.0
-7.5°	16019.5	15734.7	15371.9	14724.7	13915.7	13081.7	12208.7	11296.1	10324.0	9359.1	8356.3
-10°	12615.8	12510.4	12404.2	12227.9	11938.0	11525.9	10837.3	10072.5	9276.4	8449.5	7591.2
-12.5°	10003.8	9857.7	9493.0	9627.0	9589.2	9450.3	9166.9	8759.8	8226.9	7525.7	6819.3
-15°	7753.2	7852.7	7766.1	7509.7	7357.9	7472.3	7416.3	7231.2	6974.6	6541.7	6051.3
-17.5°	6381.8	6208.7	6178.7	6095.0	5935.8	5682.3	5778.4	5811.6	5727.0	5490.4	5202.2
-20°	5109.8	5043.9	4900.2	4846.7	4819.6	4690.4	4502.8	4483.6	4572.4	4526.8	4389.6



REPORT NUMBER: P559046 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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°	4049.8	4011.7	3969.8	3844.9	3814.6	3823.3	3748.7	3609.5	3524.8	3633.2	3636.8
-25°	3261.0	3157.9	3183.4	3161.4	3061.9	3043.4	3074.3	3039.6	2943.3	2840.0	2953.7
-27.5°	2633.2	2596.6	2546.2	2578.5	2548.4	2479.1	2500.2	2530.7	2504.1	2435.1	2353.9
-30°	2139.7	2152.4	2124.8	2110.9	2136.7	2107.8	2048.5	2108.8	2131.8	2103.2	2031.5
-32.5°	1777.7	1803.5	1800.7	1778.4	1793.1	1801.5	1790.0	1748.6	1801.5	1815.5	1783.2
-35°	1535.0	1530.4	1546.0	1541.1	1517.2	1556.5	1561.7	1537.1	1528.8	1565.5	1563.4
-37.5°	1340.7	1327.6	1344.0	1347.7	1341.7	1349.0	1366.4	1362.8	1339.9	1360.0	1377.8
-40°	1187.1	1180.2	1182.1	1194.9	1196.9	1183.4	1207.8	1213.7	1208.3	1187.9	1216.5
-42.5°	1066.2	1065.1	1056.2	1070.0	1074.4	1071.9	1074.5	1089.7	1089.8	1078.8	1079.7
-45°	969.9	970.7	962.9	964.1	971.8	973.5	965.6	980.2	985.4	980.5	964.8
-47.5°	890.4	890.2	882.6	873.6	884.6	886.6	882.6	883.3	891.6	889.3	880.5
-50°	822.0	820.4	814.3	804.2	807.0	809.6	806.2	796.0	805.7	807.9	800.8
-52.5°	761.2	758.3	752.4	742.0	737.2	740.0	735.8	727.7	729.1	731.6	726.1
-55°	709.3	702.5	696.1	686.5	675.0	676.1	672.6	664.3	657.1	659.3	656.0
-57.5°	658.9	649.8	641.9	631.7	619.2	615.3	610.8	602.3	590.3	592.0	589.2
-60°	605.6	595.3	586.6	576.0	563.5	555.5	551.0	542.9	531.2	528.4	527.1
-62.5°	549.5	537.7	529.8	520.3	509.0	498.5	493.3	485.5	475.2	468.2	467.3
-65°	494.1	484.1	475.8	465.9	454.4	441.7	436.5	429.6	420.6	411.2	409.8
-67.5°	437.3	428.0	419.1	409.7	399.2	387.5	381.6	375.3	368.1	359.4	357.1
-70°	378.8	370.8	362.8	354.3	345.2	335.8	330.2	325.4	319.0	310.4	305.2
-72.5°	320.1	313.5	306.7	300.4	293.7	286.3	280.4	275.1	268.3	259.8	254.0
-75°	261.4	256.5	251.5	246.8	241.5	235.6	229.9	224.8	218.6	211.4	205.6
-77.5°	203.9	201.0	197.6	194.0	189.8	185.0	180.0	175.6	170.7	165.2	160.5
-80°	151.7	150.0	148.0	145.2	141.7	137.5	133.0	129.7	125.8	121.9	118.9
-82.5°	105.9	104.8	103.3	100.7	97.8	94.7	91.7	90.1	88.2	86.0	83.6
-85°	62.1	61.3	60.3	59.4	58.4	57.4	56.3	55.5	54.3	52.8	50.9
-87.5°	24.0	24.0	24.0	24.8	25.4	25.9	26.3	25.5	24.6	23.7	22.7
-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: P559046 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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°	22.0	21.2	20.4	19.5	18.5	17.5	16.4	15.2	14.1	12.9	11.7
85°	49.2	47.1	44.6	41.8	38.7	34.9	32.7	30.3	28.2	25.8	23.3
82.5°	81.4	78.8	75.8	72.3	69.3	65.2	60.2	54.1	47.2	39.6	34.9
80°	117.9	115.6	111.8	106.8	101.6	95.7	90.0	82.8	74.0	64.4	53.7
77.5°	158.4	155.0	150.3	144.9	138.3	130.7	122.0	112.1	100.9	89.1	76.1
75°	202.4	198.4	193.0	185.6	176.4	165.8	155.2	143.4	129.9	114.1	98.4
72.5°	250.4	244.8	237.2	227.3	216.5	204.0	189.7	174.9	159.8	142.0	121.5
70°	300.1	292.8	283.9	273.4	259.4	242.4	226.1	209.4	189.8	169.9	147.1
67.5°	351.6	343.3	332.4	320.7	305.9	287.1	263.8	244.9	224.0	198.0	172.6
65°	405.1	395.8	382.4	370.7	354.1	333.1	308.2	283.1	258.4	230.3	198.0
62.5°	461.4	451.0	438.2	423.0	404.0	381.0	353.4	326.5	294.4	262.8	226.5
60°	520.9	509.6	496.5	480.2	457.3	429.9	401.6	370.3	335.2	295.4	256.3
57.5°	582.3	570.0	559.1	540.1	514.4	482.4	451.9	417.7	376.2	332.0	286.1
55°	646.1	634.6	624.7	604.4	574.5	538.4	506.7	467.7	418.7	369.4	315.7
52.5°	714.3	706.1	694.3	671.6	638.7	600.3	568.7	519.1	466.8	406.7	348.9
50°	786.1	785.9	770.3	742.9	705.3	673.5	633.9	580.1	515.7	446.1	382.7
47.5°	874.7	873.4	855.0	819.5	776.4	752.3	707.6	644.4	565.5	491.2	416.7
45°	975.4	968.6	946.1	906.2	867.8	841.9	787.3	710.9	626.1	537.3	450.7
42.5°	1087.1	1075.0	1043.8	997.3	981.8	940.9	871.1	786.7	688.2	583.3	488.4
40°	1217.9	1192.4	1149.3	1125.8	1109.5	1048.1	968.1	866.4	751.5	632.6	528.3
37.5°	1362.7	1325.2	1267.7	1285.5	1251.6	1175.8	1071.7	948.7	817.9	688.4	567.7
35°	1531.9	1473.3	1474.7	1472.1	1414.6	1312.3	1180.8	1037.9	891.3	744.0	606.5
32.5°	1717.1	1701.9	1728.0	1685.8	1592.7	1457.2	1302.8	1136.1	965.7	799.2	644.7
30°	1980.0	2043.0	2015.2	1920.7	1789.5	1623.3	1433.8	1236.5	1040.8	853.9	684.0
27.5°	2433.4	2431.2	2338.5	2192.2	2010.2	1799.6	1566.4	1338.6	1116.2	911.0	728.5
25°	2945.2	2871.8	2712.4	2491.0	2244.3	1975.9	1701.1	1442.4	1198.2	972.6	771.7
22.5°	3529.6	3351.8	3117.7	2809.2	2475.9	2157.4	1844.6	1555.8	1283.1	1033.1	813.3
20°	4161.7	3863.6	3541.9	3121.2	2725.8	2354.9	1996.5	1668.2	1366.7	1092.0	853.3
17.5°	4838.5	4391.8	3945.9	3459.0	2988.1	2554.1	2148.0	1778.8	1448.5	1148.9	891.3
15°	5494.3	4920.0	4361.8	3799.2	3251.5	2752.9	2297.7	1886.6	1527.7	1203.4	921.2
12.5°	6140.7	5455.4	4783.5	4137.8	3512.8	2949.0	2443.9	1990.6	1603.6	1242.5	940.7
10°	6785.9	5990.7	5204.8	4470.5	3768.7	3139.9	2584.9	2071.7	1639.4	1267.4	956.8
7.5°	7421.4	6517.6	5619.1	4792.8	3989.1	3264.7	2645.2	2108.4	1662.9	1287.6	969.6
5°	7939.9	6861.6	5807.5	4888.3	4051.1	3314.2	2682.4	2136.9	1679.2	1302.9	978.9
2.5°	8009.9	6918.1	5835.6	4926.0	4092.4	3348.2	2707.1	2156.6	1688.4	1313.1	984.7
0°	8037.0	6936.4	5832.0	4937.5	4113.0	3366.1	2719.3	2167.1	1690.6	1318.1	987.1
-2.5°	8009.9	6918.1	5835.6	4926.0	4092.4	3348.2	2707.1	2156.6	1688.4	1313.1	984.7
-5°	7939.9	6861.6	5807.5	4888.3	4051.1	3314.2	2682.4	2136.9	1679.2	1302.9	978.9
-7.5°	7421.4	6517.6	5619.1	4792.8	3989.1	3264.7	2645.2	2108.4	1662.9	1287.6	969.6
-10°	6785.9	5990.7	5204.8	4470.5	3768.7	3139.9	2584.9	2071.7	1639.4	1267.4	956.8
-12.5°	6140.7	5455.4	4783.5	4137.8	3512.8	2949.0	2443.9	1990.6	1603.6	1242.5	940.7
-15°	5494.3	4920.0	4361.8	3799.2	3251.5	2752.9	2297.7	1886.6	1527.7	1203.4	921.2
-17.5°	4838.5	4391.8	3945.9	3459.0	2988.1	2554.1	2148.0	1778.8	1448.5	1148.9	891.3
-20°	4161.7	3863.6	3541.9	3121.2	2725.8	2354.9	1996.5	1668.2	1366.7	1092.0	853.3



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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°	3529.6	3351.8	3117.7	2809.2	2475.9	2157.4	1844.6	1555.8	1283.1	1033.1	813.3
-25°	2945.2	2871.8	2712.4	2491.0	2244.3	1975.9	1701.1	1442.4	1198.2	972.6	771.7
-27.5°	2433.4	2431.2	2338.5	2192.2	2010.2	1799.6	1566.4	1338.6	1116.2	911.0	728.5
-30°	1980.0	2043.0	2015.2	1920.7	1789.5	1623.3	1433.8	1236.5	1040.8	853.9	684.0
-32.5°	1717.1	1701.9	1728.0	1685.8	1592.7	1457.2	1302.8	1136.1	965.7	799.2	644.7
-35°	1531.9	1473.3	1474.7	1472.1	1414.6	1312.3	1180.8	1037.9	891.3	744.0	606.5
-37.5°	1362.7	1325.2	1267.7	1285.5	1251.6	1175.8	1071.7	948.7	817.9	688.4	567.7
-40°	1217.9	1192.4	1149.3	1125.8	1109.5	1048.1	968.1	866.4	751.5	632.6	528.3
-42.5°	1087.1	1075.0	1043.8	997.3	981.8	940.9	871.1	786.7	688.2	583.3	488.4
-45°	975.4	968.6	946.1	906.2	867.8	841.9	787.3	710.9	626.1	537.3	450.7
-47.5°	874.7	873.4	855.0	819.5	776.4	752.3	707.6	644.4	565.5	491.2	416.7
-50°	786.1	785.9	770.3	742.9	705.3	673.5	633.9	580.1	515.7	446.1	382.7
-52.5°	714.3	706.1	694.3	671.6	638.7	600.3	568.7	519.1	466.8	406.7	348.9
-55°	646.1	634.6	624.7	604.4	574.5	538.4	506.7	467.7	418.7	369.4	315.7
-57.5°	582.3	570.0	559.1	540.1	514.4	482.4	451.9	417.7	376.2	332.0	286.1
-60°	520.9	509.6	496.5	480.2	457.3	429.9	401.6	370.3	335.2	295.4	256.3
-62.5°	461.4	451.0	438.2	423.0	404.0	381.0	353.4	326.5	294.4	262.8	226.5
-65°	405.1	395.8	382.4	370.7	354.1	333.1	308.2	283.1	258.4	230.3	198.0
-67.5°	351.6	343.3	332.4	320.7	305.9	287.1	263.8	244.9	224.0	198.0	172.6
-70°	300.1	292.8	283.9	273.4	259.4	242.4	226.1	209.4	189.8	169.9	147.1
-72.5°	250.4	244.8	237.2	227.3	216.5	204.0	189.7	174.9	159.8	142.0	121.5
-75°	202.4	198.4	193.0	185.6	176.4	165.8	155.2	143.4	129.9	114.1	98.4
-77.5°	158.4	155.0	150.3	144.9	138.3	130.7	122.0	112.1	100.9	89.1	76.1
-80°	117.9	115.6	111.8	106.8	101.6	95.7	90.0	82.8	74.0	64.4	53.7
-82.5°	81.4	78.8	75.8	72.3	69.3	65.2	60.2	54.1	47.2	39.6	34.9
-85°	49.2	47.1	44.6	41.8	38.7	34.9	32.7	30.3	28.2	25.8	23.3
-87.5°	22.0	21.2	20.4	19.5	18.5	17.5	16.4	15.2	14.1	12.9	11.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.3	9.1	7.7	6.1	4.3	2.1	0.0
85°	20.6	18.2	15.4	12.2	8.6	4.3	0.0
82.5°	30.8	27.3	23.1	18.3	12.8	6.4	0.0
80°	42.3	36.4	30.8	24.4	17.1	8.5	0.0
77.5°	62.2	48.3	38.5	30.4	21.3	10.6	0.0
75°	82.0	65.5	47.3	36.4	25.4	12.7	0.0
72.5°	101.8	82.5	61.4	42.4	29.6	14.8	0.0
70°	121.9	99.4	75.4	49.3	33.6	16.8	0.0
67.5°	144.9	116.2	89.2	59.9	37.6	18.8	0.0
65°	167.8	134.5	102.9	70.5	41.5	20.8	0.0
62.5°	190.6	154.1	116.4	80.8	45.4	22.7	0.0
60°	213.2	173.6	129.7	91.0	49.2	24.6	0.0
57.5°	239.0	192.9	145.4	101.1	55.8	26.4	0.0
55°	264.8	212.0	161.0	110.9	62.3	28.2	0.0
52.5°	290.2	231.2	176.3	120.5	68.7	29.9	0.0
50°	315.3	252.3	191.3	129.8	74.9	31.6	0.0
47.5°	340.7	273.0	206.1	139.4	80.8	33.2	0.0
45°	370.1	293.2	220.4	150.2	86.6	34.8	0.0
42.5°	399.2	312.9	234.4	160.7	92.1	36.3	0.0
40°	428.1	332.0	248.8	170.5	97.5	37.7	0.0
37.5°	456.6	350.5	263.5	179.6	102.5	39.0	0.0
35°	484.7	371.6	277.6	188.1	107.4	40.3	0.0
32.5°	513.5	393.7	291.1	196.1	111.9	41.5	0.0
30°	544.2	415.0	304.0	203.4	116.2	42.6	0.0
27.5°	573.9	435.6	314.7	210.2	120.3	43.6	0.0
25°	602.5	455.3	324.6	216.3	124.0	44.6	0.0
22.5°	629.8	472.9	333.8	221.8	127.4	45.5	0.0
20°	655.7	486.3	342.2	226.7	130.6	46.2	0.0
17.5°	675.3	498.1	349.8	231.0	133.4	46.9	0.0
15°	689.8	508.2	356.6	234.7	135.9	47.5	0.0
12.5°	702.3	516.7	362.5	237.8	138.0	48.0	0.0
10°	712.6	523.6	367.5	240.2	139.9	48.5	0.0
7.5°	720.8	528.9	371.7	242.0	141.3	48.8	0.0
5°	726.7	532.5	374.8	243.2	142.5	49.0	0.0
2.5°	730.4	534.6	377.0	243.9	143.3	49.2	0.0
0°	731.8	535.2	378.2	243.9	143.7	49.2	0.0
-2.5°	730.4	534.6	377.0	243.9	143.3	49.2	0.0
-5°	726.7	532.5	374.8	243.2	142.5	49.0	0.0
-7.5°	720.8	528.9	371.7	242.0	141.3	48.8	0.0
-10°	712.6	523.6	367.5	240.2	139.9	48.5	0.0
-12.5°	702.3	516.7	362.5	237.8	138.0	48.0	0.0
-15°	689.8	508.2	356.6	234.7	135.9	47.5	0.0
-17.5°	675.3	498.1	349.8	231.0	133.4	46.9	0.0
-20°	655.7	486.3	342.2	226.7	130.6	46.2	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	629.8	472.9	333.8	221.8	127.4	45.5	0.0
-25°	602.5	455.3	324.6	216.3	124.0	44.6	0.0
-27.5°	573.9	435.6	314.7	210.2	120.3	43.6	0.0
-30°	544.2	415.0	304.0	203.4	116.2	42.6	0.0
-32.5°	513.5	393.7	291.1	196.1	111.9	41.5	0.0
-35°	484.7	371.6	277.6	188.1	107.4	40.3	0.0
-37.5°	456.6	350.5	263.5	179.6	102.5	39.0	0.0
-40°	428.1	332.0	248.8	170.5	97.5	37.7	0.0
-42.5°	399.2	312.9	234.4	160.7	92.1	36.3	0.0
-45°	370.1	293.2	220.4	150.2	86.6	34.8	0.0
-47.5°	340.7	273.0	206.1	139.4	80.8	33.2	0.0
-50°	315.3	252.3	191.3	129.8	74.9	31.6	0.0
-52.5°	290.2	231.2	176.3	120.5	68.7	29.9	0.0
-55°	264.8	212.0	161.0	110.9	62.3	28.2	0.0
-57.5°	239.0	192.9	145.4	101.1	55.8	26.4	0.0
-60°	213.2	173.6	129.7	91.0	49.2	24.6	0.0
-62.5°	190.6	154.1	116.4	80.8	45.4	22.7	0.0
-65°	167.8	134.5	102.9	70.5	41.5	20.8	0.0
-67.5°	144.9	116.2	89.2	59.9	37.6	18.8	0.0
-70°	121.9	99.4	75.4	49.3	33.6	16.8	0.0
-72.5°	101.8	82.5	61.4	42.4	29.6	14.8	0.0
-75°	82.0	65.5	47.3	36.4	25.4	12.7	0.0
-77.5°	62.2	48.3	38.5	30.4	21.3	10.6	0.0
-80°	42.3	36.4	30.8	24.4	17.1	8.5	0.0
-82.5°	30.8	27.3	23.1	18.3	12.8	6.4	0.0
-85°	20.6	18.2	15.4	12.2	8.6	4.3	0.0
-87.5°	10.3	9.1	7.7	6.1	4.3	2.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)