

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645589 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA6E-735-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645589 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA6E-735-U-LAM-VSR-XX  
Description: GALLEON FLOOD, SIX LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34875.5 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 7H x 7V  
Max Intensity: 14873.5 candela  
Max Intensity Angle: 0°H x -20°V

Beam Angle (50%): 105.6°H x 93.7°V  
Beam Lumens: 27263.6 lumens  
Beam Efficiency: 78.2%

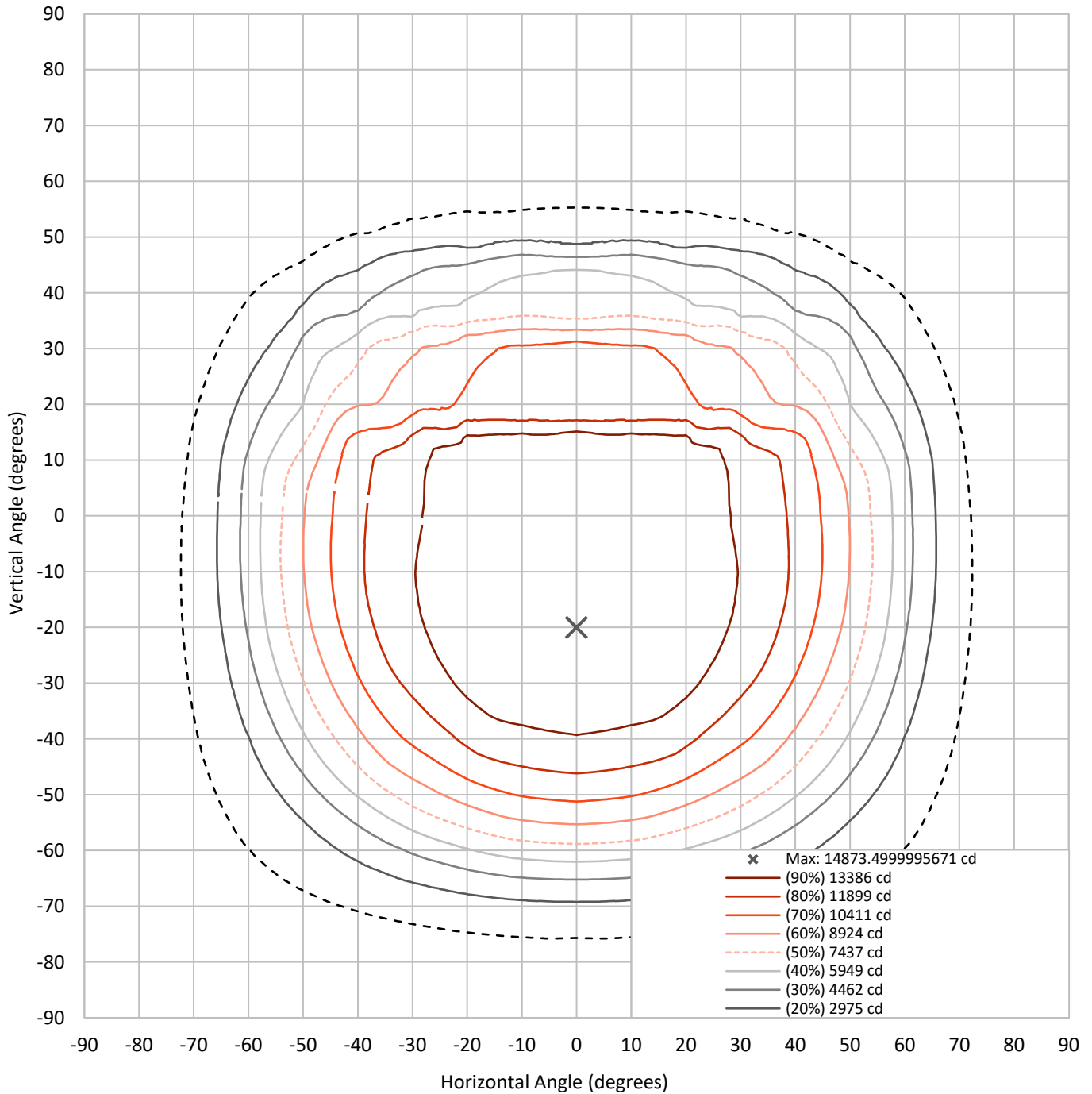
Field Angle (10%): 144°H x 131.2°V  
Field Lumens: 34182.9 lumens  
Field Efficiency: 98.0%

Input Watts (W): 376.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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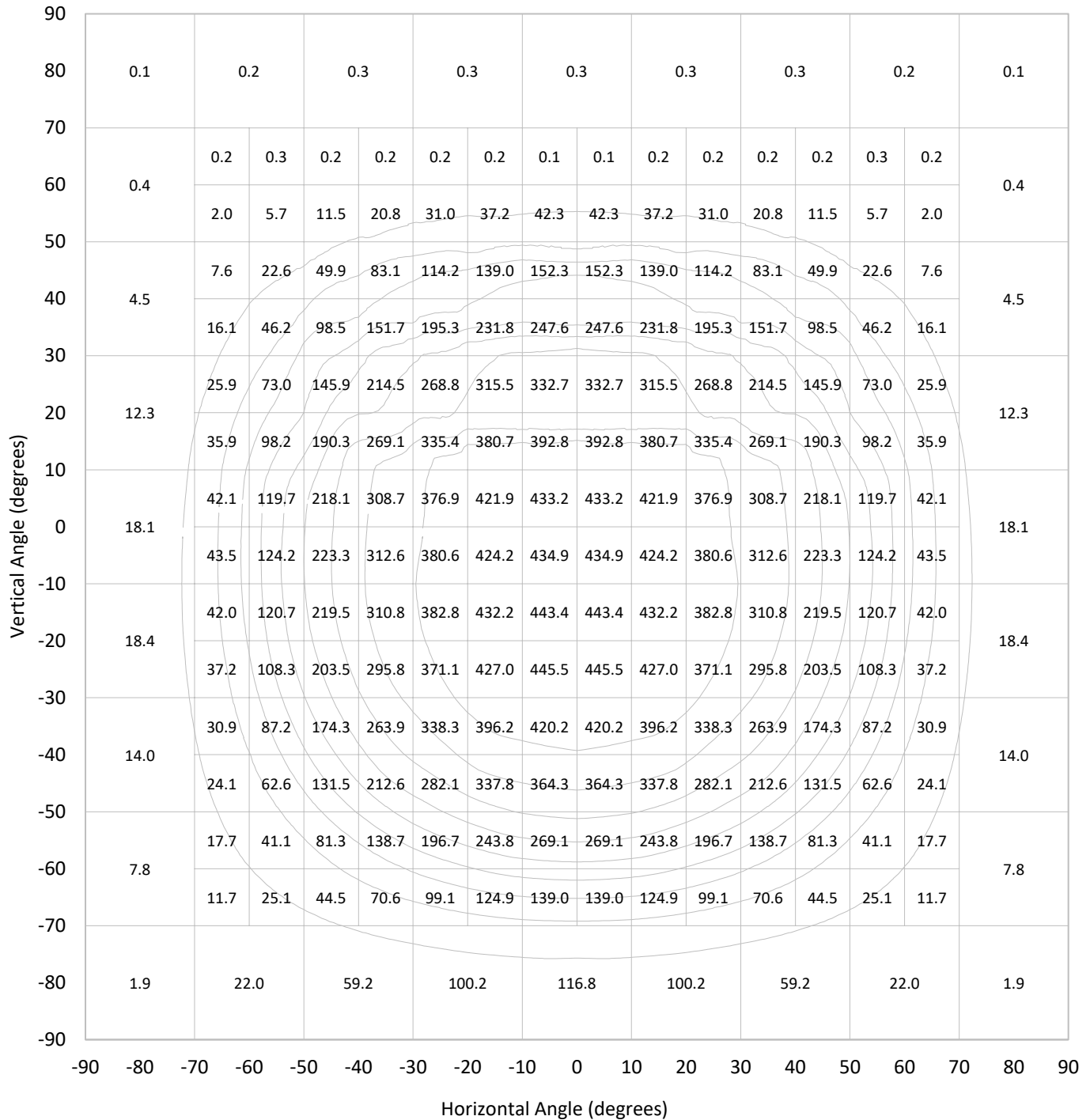
### Iso-Candela Plot





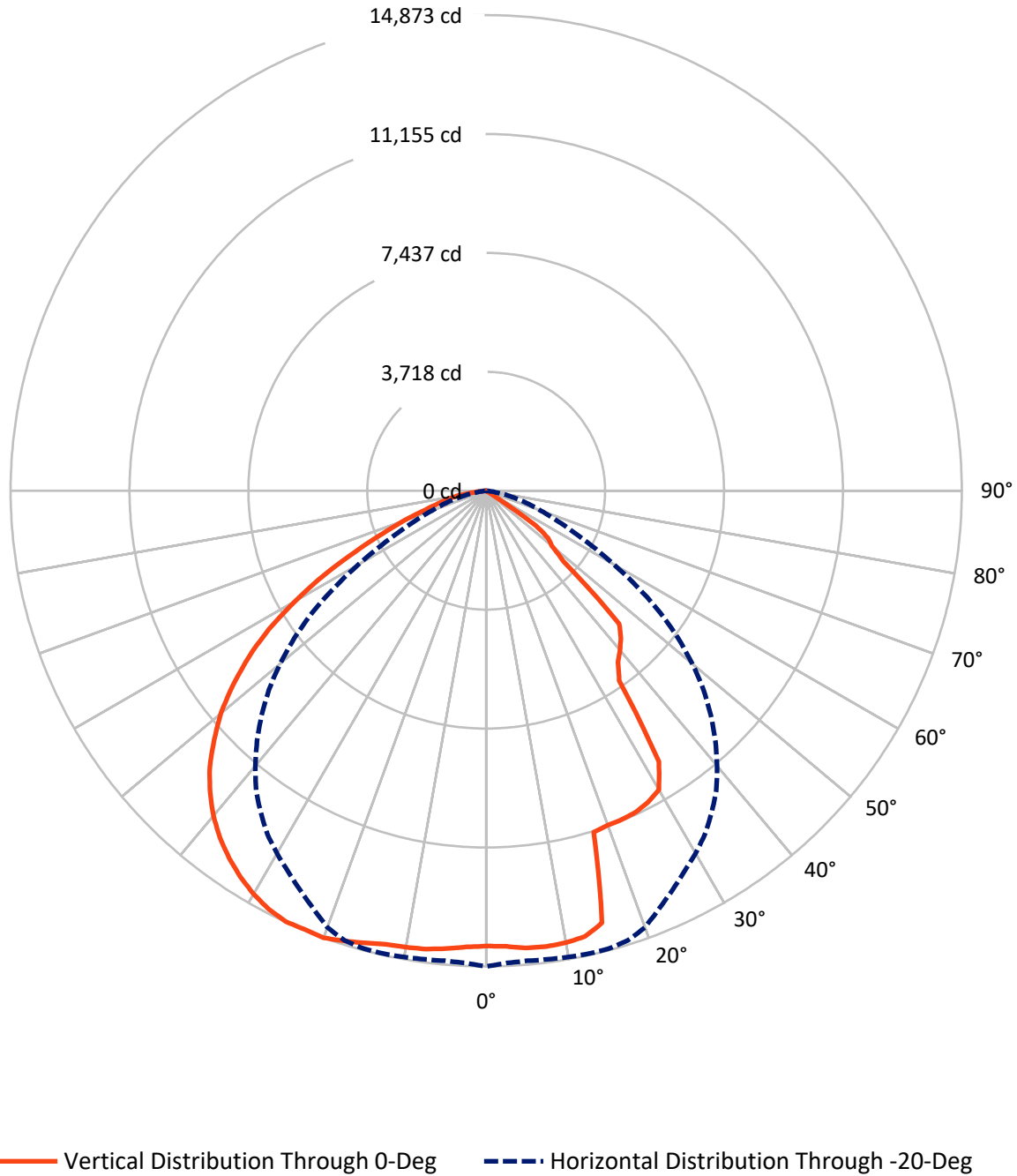
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### Lumen Table



REPORT NUMBER: P645589 (CONVERTED FROM TYPE C PHOTOMETRY)  
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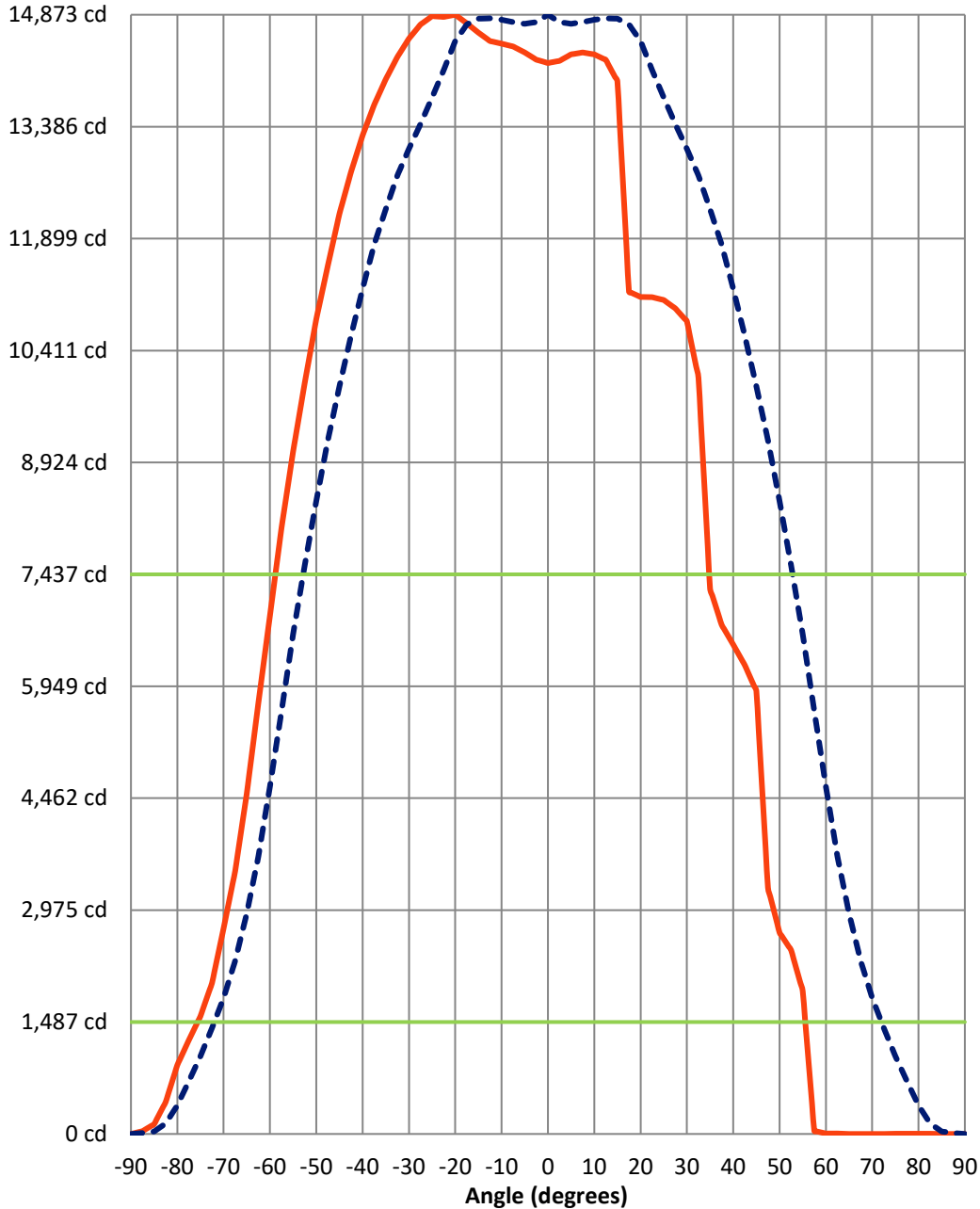
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 27263.6  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 34182.9  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 692.6  
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-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	0.3	0.6	0.8	1.1	1.4	1.7	1.7	1.6	1.5	1.4
85°	0.0	0.7	1.1	1.7	2.2	2.8	3.3	3.4	3.3	3.1	2.7
82.5°	0.0	1.0	1.7	2.5	3.3	4.1	5.0	5.1	4.9	4.1	3.3
80°	0.0	1.4	2.2	3.3	4.4	5.5	6.4	5.7	4.9	4.1	3.3
77.5°	0.0	1.7	2.8	4.1	5.5	6.5	6.4	5.7	4.9	4.2	3.4
75°	0.0	2.1	3.4	5.0	6.5	6.7	6.5	5.8	5.0	4.2	3.4
72.5°	0.0	2.4	3.9	5.8	6.7	6.9	6.6	5.8	5.1	4.3	3.5
70°	0.0	2.8	4.5	6.5	7.0	7.1	6.7	5.9	5.2	4.5	5.1
67.5°	0.0	3.1	5.1	6.8	7.3	7.4	7.5	6.0	5.3	7.1	7.2
65°	0.0	3.4	5.6	7.1	7.7	8.4	8.6	6.1	8.5	10.0	12.5
62.5°	0.0	3.8	6.2	7.4	8.0	10.5	10.0	8.5	11.8	17.4	27.7
60°	0.0	4.1	6.8	7.7	8.3	12.8	11.8	12.0	15.3	44.1	48.0
57.5°	0.0	4.4	7.1	8.0	10.8	15.3	21.8	17.0	43.2	74.9	87.0
55°	0.0	4.7	7.5	8.4	13.4	18.1	34.7	27.4	80.1	115.6	140.9
52.5°	0.0	5.0	7.9	8.7	16.2	23.1	49.7	69.6	120.2	181.4	204.4
50°	0.0	5.3	8.2	9.1	19.1	39.4	67.0	117.5	171.9	254.6	319.2
47.5°	0.0	5.6	8.6	9.9	22.2	57.0	90.1	167.8	247.7	335.3	436.6
45°	0.0	5.9	9.0	12.3	25.3	75.8	135.9	220.4	332.5	437.0	550.6
42.5°	0.0	6.2	9.4	14.7	28.6	95.7	182.8	287.1	418.9	536.1	681.9
40°	0.0	6.5	9.8	17.8	38.5	116.9	230.8	363.0	507.8	633.2	822.6
37.5°	0.0	6.8	10.2	21.6	55.0	139.2	279.7	439.1	601.0	749.9	969.5
35°	0.0	7.1	10.6	25.9	71.9	172.9	329.3	515.2	695.8	893.3	1143.0
32.5°	0.0	7.3	11.0	30.5	88.9	212.1	383.1	590.9	791.7	1037.5	1354.2
30°	0.0	7.6	11.4	35.6	106.1	250.9	444.7	667.4	888.4	1182.1	1556.7
27.5°	0.0	7.8	11.8	40.9	127.3	289.3	505.1	747.1	994.7	1326.4	1750.3
25°	0.0	8.0	12.3	46.6	149.0	327.0	563.9	825.9	1114.7	1484.0	1934.9
22.5°	0.0	8.2	12.7	52.5	170.7	365.6	621.1	903.4	1232.2	1641.6	2121.7
20°	0.0	8.4	13.1	58.5	192.1	406.9	676.4	979.3	1346.8	1790.2	2304.0
17.5°	0.0	8.6	13.5	64.7	213.2	446.9	731.0	1053.0	1457.7	1929.7	2480.6
15°	0.0	8.8	13.9	70.9	233.8	485.4	783.6	1121.5	1564.2	2059.9	2650.2
12.5°	0.0	8.9	14.2	77.1	253.7	522.0	832.7	1182.6	1649.1	2180.4	2811.6
10°	0.0	9.1	14.6	83.2	272.8	556.6	878.3	1238.8	1712.5	2252.7	2943.1
7.5°	0.0	9.2	15.0	89.1	290.8	589.0	920.2	1290.1	1766.5	2308.7	3019.8
5°	0.0	9.3	15.3	94.7	307.5	618.8	958.2	1336.3	1811.5	2353.9	3082.2
2.5°	0.0	9.4	15.6	100.0	322.9	645.9	992.4	1377.3	1848.1	2388.6	3129.9
0°	0.0	9.5	15.9	104.8	336.6	670.0	1022.5	1413.0	1876.7	2413.3	3162.7
-2.5°	0.0	10.0	18.4	111.6	349.4	685.3	1037.5	1433.8	1887.0	2444.4	3184.0
-5°	0.0	10.6	20.8	117.9	360.3	697.3	1048.4	1449.1	1890.5	2464.7	3190.8
-7.5°	0.0	11.1	23.2	123.5	369.2	706.1	1055.4	1458.6	1887.9	2472.9	3183.7
-10°	0.0	11.5	25.5	128.4	375.9	711.6	1058.6	1462.2	1879.8	2468.0	3163.5
-12.5°	0.0	12.0	27.7	132.5	380.4	713.8	1058.0	1459.8	1866.8	2448.1	3128.8
-15°	0.0	12.4	29.7	135.8	382.6	712.8	1053.8	1451.2	1852.0	2409.3	3078.4
-17.5°	0.0	12.7	31.6	138.1	382.3	708.5	1046.1	1433.7	1834.0	2360.8	3012.8
-20°	0.0	13.0	33.4	139.5	379.6	701.0	1034.1	1408.7	1808.4	2303.0	2932.0

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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	13.3	35.0	140.0	374.2	690.3	1016.9	1378.7	1775.0	2236.4	2836.0
-25°	0.0	13.5	36.4	139.3	366.2	673.7	995.6	1343.9	1733.8	2161.3	2724.8
-27.5°	0.0	13.6	37.5	137.6	355.6	653.0	970.3	1304.3	1684.6	2088.6	2626.4
-30°	0.0	13.7	38.5	134.8	342.2	629.5	941.0	1260.2	1630.8	2027.2	2521.2
-32.5°	0.0	13.8	39.3	130.8	326.7	603.2	907.8	1219.4	1573.8	1956.2	2408.8
-35°	0.0	13.8	39.8	125.7	309.4	574.1	871.9	1176.4	1512.2	1875.7	2289.4
-37.5°	0.0	13.7	40.1	119.4	290.3	544.9	833.3	1128.9	1446.1	1785.8	2171.5
-40°	0.0	13.5	40.1	111.9	269.6	518.4	791.8	1077.0	1375.8	1700.9	2055.2
-42.5°	0.0	13.3	39.9	103.9	253.8	490.1	747.3	1020.7	1308.0	1611.1	1929.9
-45°	0.0	13.1	39.4	95.8	243.1	459.9	700.1	962.4	1238.5	1515.4	1800.1
-47.5°	0.0	12.7	38.7	86.4	230.4	428.0	650.2	904.1	1164.1	1415.0	1687.7
-50°	0.0	12.4	37.7	83.4	215.8	394.5	608.4	843.0	1081.8	1322.8	1570.1
-52.5°	0.0	11.9	36.5	81.7	199.4	359.2	566.6	779.0	1003.1	1228.0	1449.5
-55°	0.0	11.4	35.1	79.2	181.1	332.6	523.2	714.4	924.2	1130.5	1342.4
-57.5°	0.0	10.9	33.4	75.7	161.1	305.6	478.2	663.0	842.5	1037.0	1232.9
-60°	0.0	10.2	31.5	71.4	140.2	276.0	432.5	606.2	760.7	942.7	1123.5
-62.5°	0.0	9.6	29.6	66.4	130.2	244.1	390.8	544.4	685.1	845.7	1016.4
-65°	0.0	8.9	27.5	60.5	118.9	210.1	346.0	480.3	605.0	748.3	906.7
-67.5°	0.0	8.1	25.2	54.0	106.2	181.6	298.5	416.7	520.7	646.7	788.4
-70°	0.0	7.3	22.8	46.9	92.4	158.9	248.3	351.6	445.1	540.5	662.3
-72.5°	0.0	6.5	20.3	41.3	77.5	134.5	210.1	285.0	368.2	452.5	537.9
-75°	0.0	5.6	17.6	35.9	61.7	108.6	171.7	229.7	289.8	363.4	437.9
-77.5°	0.0	4.7	14.8	30.2	50.9	81.5	131.5	177.5	225.4	277.2	336.2
-80°	0.0	3.8	12.0	24.4	41.2	62.1	89.7	124.4	161.4	201.5	244.6
-82.5°	0.0	2.9	9.0	18.5	31.1	46.9	65.9	79.8	96.4	124.7	155.2
-85°	0.0	1.9	6.1	12.4	20.9	31.5	44.2	53.3	62.8	72.7	83.0
-87.5°	0.0	1.0	3.0	6.2	10.5	15.8	22.2	26.7	31.5	36.4	41.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.5
85°	3.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	3.2	3.2	3.4	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	3.7	4.1	4.1	3.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2
70°	5.0	5.2	4.5	3.7	3.2	3.4	3.7	3.5	3.2	3.2	3.2
67.5°	6.2	5.4	4.6	4.4	4.4	4.8	4.7	3.9	3.2	3.2	3.3
65°	6.3	5.6	8.0	9.0	6.7	5.7	4.9	4.1	4.4	4.6	4.6
62.5°	9.5	11.9	15.2	26.9	20.1	5.9	10.5	12.4	9.1	7.6	8.1
60°	31.0	21.1	62.6	89.7	56.0	20.5	25.0	83.0	71.9	13.3	44.9
57.5°	65.2	89.5	164.8	167.8	116.0	80.1	232.9	269.0	203.6	118.8	181.7
55°	143.6	220.6	273.3	253.0	276.2	418.4	497.1	446.6	375.9	578.3	738.8
52.5°	280.5	359.1	376.9	432.8	619.5	711.7	682.0	729.4	945.9	1174.6	1224.3
50°	414.0	478.3	528.4	764.1	910.2	919.4	987.3	1201.7	1490.5	1630.5	1596.6
47.5°	543.1	609.7	843.2	1069.6	1135.2	1225.1	1394.7	1808.7	2114.5	2120.5	2085.9
45°	679.6	857.5	1155.5	1303.2	1409.6	1583.5	1993.1	2564.2	2593.8	2676.7	3187.0
42.5°	825.7	1137.4	1397.3	1550.9	1722.9	2047.4	2594.0	2968.6	3097.4	3460.7	3871.0
40°	1062.2	1407.7	1634.8	1831.1	2052.3	2525.7	3124.4	3475.4	3580.1	3894.5	4203.0
37.5°	1302.1	1633.4	1887.9	2124.8	2431.3	3070.3	3763.0	4052.4	4105.4	4162.9	4846.5
35°	1533.2	1864.9	2169.6	2479.6	2855.5	3775.3	4380.7	4652.9	4644.5	5032.5	5748.4
32.5°	1749.3	2101.6	2461.2	2875.7	3496.0	4438.3	5044.0	5207.0	5454.1	6018.8	6995.9
30°	1965.1	2365.6	2778.5	3272.3	4058.0	4874.9	5566.3	5828.4	6252.0	6896.5	7607.6
27.5°	2187.3	2636.3	3135.6	3714.2	4501.6	5252.5	5843.1	6469.5	6881.0	7458.6	7964.5
25°	2408.6	2922.8	3488.1	4100.5	4818.7	5518.6	6129.4	6852.8	7294.7	7760.3	8232.3
22.5°	2640.7	3213.3	3851.8	4406.7	5086.1	5744.7	6471.9	7256.6	7831.1	8127.0	8443.9
20°	2883.4	3527.6	4208.6	4823.3	5349.9	5954.8	6815.7	7769.2	8510.9	8843.9	8887.3
17.5°	3122.5	3832.2	4564.3	5229.9	5797.8	6336.3	7176.8	8383.3	9305.6	9615.2	9752.8
15°	3355.7	4125.1	4918.2	5625.5	6249.0	6907.3	7804.9	9031.9	10086.3	10428.9	10645.5
12.5°	3580.8	4404.4	5266.2	6008.0	6700.5	7439.0	8375.4	9498.6	10460.9	11123.6	11521.1
10°	3795.3	4668.2	5604.0	6375.2	7146.8	7932.0	8847.4	9846.2	10629.6	11268.7	11832.9
7.5°	3903.5	4840.5	5894.3	6724.6	7582.0	8387.7	9233.9	10091.2	10751.0	11378.0	11923.5
5°	3977.1	4911.3	5985.0	6846.4	7813.1	8691.7	9513.2	10252.2	10830.3	11451.7	11984.6
2.5°	4029.6	4957.2	6046.3	6913.1	7900.0	8785.1	9593.7	10306.0	10895.8	11504.5	12050.1
0°	4061.3	4979.0	6077.7	6954.1	7954.3	8846.6	9640.5	10326.4	10939.2	11529.8	12117.3
-2.5°	4079.2	5045.6	6098.5	7059.5	8006.8	8899.6	9705.9	10375.4	11015.8	11577.8	12166.8
-5°	4077.0	5085.4	6093.0	7130.3	8032.0	8920.4	9738.6	10397.6	11057.4	11613.8	12186.9
-7.5°	4054.9	5094.6	6065.5	7152.5	8033.1	8913.4	9724.3	10408.2	11056.7	11646.8	12188.8
-10°	4015.4	5058.6	6040.1	7095.1	8002.3	8877.2	9680.4	10384.9	11030.9	11640.1	12178.2
-12.5°	3968.9	4984.3	5987.2	7012.5	7939.6	8809.7	9613.7	10325.4	10982.6	11590.3	12153.9
-15°	3899.0	4885.6	5900.3	6907.5	7844.3	8711.4	9527.2	10228.3	10908.0	11503.2	12081.9
-17.5°	3805.1	4763.2	5777.8	6783.0	7716.0	8583.3	9416.2	10100.2	10776.7	11391.6	11950.1
-20°	3686.9	4618.2	5618.9	6641.4	7552.9	8411.1	9218.1	9934.4	10606.5	11232.0	11818.9



REPORT NUMBER: P645589 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-735-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3543.9	4451.5	5427.4	6450.4	7349.6	8198.1	8995.3	9723.2	10419.6	11024.6	11649.9
-25°	3400.7	4275.3	5215.7	6186.0	7113.3	7958.2	8757.8	9467.0	10178.7	10808.0	11402.0
-27.5°	3263.5	4071.0	4970.1	5894.8	6845.6	7686.5	8478.9	9188.6	9879.6	10567.6	11139.4
-30°	3109.5	3834.5	4700.7	5584.1	6510.9	7367.0	8165.4	8901.7	9559.3	10238.7	10852.8
-32.5°	2939.6	3583.7	4416.3	5266.1	6140.0	7015.0	7806.0	8537.4	9221.5	9864.1	10508.7
-35°	2773.5	3381.1	4114.9	4924.6	5747.1	6605.5	7397.1	8121.5	8831.3	9467.9	10083.9
-37.5°	2624.1	3161.8	3794.5	4568.0	5354.0	6165.9	6971.0	7672.2	8347.8	9047.7	9648.3
-40°	2462.4	2926.3	3517.1	4200.8	4941.5	5713.7	6484.5	7209.9	7845.1	8536.7	9197.2
-42.5°	2293.0	2734.5	3243.4	3812.0	4511.3	5239.3	5983.4	6693.0	7352.5	8005.0	8659.6
-45°	2144.8	2531.4	2964.9	3484.5	4053.8	4738.5	5443.0	6150.4	6783.2	7405.0	8051.5
-47.5°	1987.1	2327.3	2728.2	3143.1	3638.0	4210.5	4873.0	5525.4	6173.2	6764.9	7337.0
-50°	1830.0	2143.6	2473.0	2846.5	3254.9	3719.0	4269.3	4875.8	5467.6	6074.9	6641.6
-52.5°	1694.6	1950.3	2248.0	2559.8	2909.4	3293.3	3734.2	4232.3	4770.5	5286.0	5851.3
-55°	1554.1	1784.7	2024.9	2299.4	2590.3	2914.3	3275.7	3694.5	4105.1	4581.9	5043.4
-57.5°	1426.0	1620.4	1825.3	2052.0	2304.6	2564.0	2879.8	3205.6	3578.2	3948.8	4314.3
-60°	1305.2	1464.1	1637.9	1829.8	2032.9	2263.7	2499.5	2779.2	3079.4	3375.1	3685.2
-62.5°	1183.4	1317.1	1458.8	1618.2	1795.2	1969.7	2170.9	2386.4	2607.3	2858.0	3102.5
-65°	1058.2	1166.3	1286.4	1418.6	1559.9	1708.5	1863.1	2022.7	2210.5	2394.2	2572.0
-67.5°	925.3	1017.7	1114.9	1219.0	1337.5	1454.2	1570.6	1705.4	1843.7	1979.7	2120.6
-70°	777.9	865.1	946.1	1030.5	1118.6	1209.9	1309.5	1408.3	1505.8	1607.7	1720.8
-72.5°	628.0	708.2	779.5	841.9	914.2	990.1	1062.8	1132.2	1205.8	1283.1	1359.7
-75°	500.9	553.9	617.5	675.7	733.2	786.7	834.6	893.5	954.9	1011.1	1057.3
-77.5°	391.0	439.1	482.6	521.6	567.4	621.0	667.7	707.8	746.8	789.4	834.4
-80°	284.4	324.4	364.1	400.1	426.5	456.8	492.6	533.5	569.1	597.9	624.2
-82.5°	183.6	212.5	242.0	272.0	284.3	292.7	300.5	314.7	336.7	358.4	379.1
-85°	91.5	99.9	117.9	136.4	142.7	147.2	150.3	152.0	159.4	166.3	172.3
-87.5°	45.8	50.0	54.1	58.3	56.1	53.1	49.4	45.0	43.9	42.6	40.9
-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: P645589 (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°	2.6	2.7	2.8	2.8	2.9	2.2	1.5	0.8	0.0	0.0	0.0
85°	3.2	3.2	3.2	3.2	3.2	3.1	3.0	3.0	3.0	2.3	1.6
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
70°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
67.5°	3.4	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2	2.8	2.1
65°	4.5	4.4	4.6	4.5	3.9	3.8	4.0	3.9	3.5	2.8	1.9
62.5°	8.0	9.0	7.1	7.0	6.9	6.7	6.4	6.1	5.7	5.4	5.6
60°	49.8	29.4	17.2	20.1	18.0	12.0	15.3	17.9	18.1	16.6	14.6
57.5°	276.0	206.1	152.6	364.4	365.5	174.5	210.2	330.4	272.1	89.3	83.0
55°	767.8	918.3	1208.7	1148.1	1166.7	1341.9	1465.3	1297.2	1271.7	1355.1	1565.4
52.5°	1379.4	1522.9	1620.6	1711.9	1823.2	1942.7	2065.8	2144.1	2217.3	2295.3	2341.8
50°	1761.5	1963.7	2102.7	2051.5	2339.3	2457.0	2337.5	2444.3	2574.7	2610.4	2627.2
47.5°	2601.0	2897.6	2956.5	3147.6	3319.2	3315.6	3169.8	3178.2	3566.2	3908.4	4076.5
45°	3738.1	3748.2	3934.7	4272.1	4513.2	4437.3	4640.8	5103.5	5257.5	5406.5	5528.5
42.5°	4181.1	4364.7	4662.2	4960.5	5140.3	5296.2	5446.9	5617.0	5817.0	5979.1	6108.7
40°	4610.0	4757.9	5062.6	5302.9	5451.8	5597.4	5772.9	5961.3	6144.3	6286.8	6384.1
37.5°	5270.2	5384.9	5459.1	5682.1	5963.7	5833.7	6166.8	6405.7	6514.8	6659.6	6672.6
35°	6269.0	6192.7	6093.9	6981.6	7034.8	6734.9	7046.4	7416.8	7221.6	7628.1	7846.7
32.5°	7154.4	7143.0	7917.8	8384.6	8116.0	8335.2	9053.4	9021.6	9500.2	9722.4	9659.1
30°	7988.5	8273.2	8721.3	9068.9	9115.4	9461.1	9780.0	10059.4	10348.4	10607.5	10625.3
27.5°	8412.0	8783.4	9087.7	9288.8	9513.2	9804.1	10093.5	10408.2	10653.9	10816.4	10856.1
25°	8668.2	9047.6	9277.9	9494.4	9742.3	9993.2	10317.3	10659.9	10857.3	10957.5	10989.5
22.5°	8894.0	9235.0	9482.6	9658.3	9924.9	10194.9	10497.0	10787.1	11001.6	11045.3	11061.3
20°	9111.4	9439.1	9852.6	10111.2	10098.3	10402.5	10693.7	10924.4	11103.2	11102.1	11106.4
17.5°	9740.3	9857.3	10607.8	11177.6	10895.5	10746.7	11547.4	11562.5	11610.0	11515.5	11310.7
15°	10671.5	10884.3	11806.4	12424.1	12229.6	12219.4	13375.9	13089.1	13335.9	13271.3	13549.1
12.5°	11657.8	11909.8	12598.9	13205.4	13494.4	13565.5	13951.8	14313.7	14388.1	14358.7	14304.1
10°	12329.7	12688.8	12965.6	13333.7	13625.2	13922.6	14146.3	14406.3	14491.4	14442.2	14372.6
7.5°	12417.2	12772.1	13097.0	13420.1	13697.7	13937.3	14169.5	14381.1	14467.7	14439.1	14391.3
5°	12472.9	12794.3	13109.3	13437.1	13702.5	13924.5	14155.9	14370.3	14421.4	14387.0	14340.4
2.5°	12507.1	12804.7	13108.3	13434.7	13675.7	13887.2	14121.4	14350.1	14349.7	14334.6	14307.4
0°	12523.7	12822.2	13174.7	13470.0	13739.9	13940.0	14171.8	14394.0	14378.2	14336.9	14289.2
-2.5°	12559.4	12861.8	13221.5	13466.2	13770.6	13953.8	14193.4	14385.9	14378.5	14358.2	14334.6
-5°	12591.2	12931.3	13267.9	13525.2	13830.3	14069.9	14308.0	14458.5	14466.6	14438.3	14398.6
-7.5°	12610.7	12987.7	13308.7	13567.2	13863.1	14141.7	14383.2	14541.2	14544.7	14507.1	14459.6
-10°	12604.2	13002.2	13332.6	13599.8	13902.8	14177.9	14430.5	14630.8	14624.2	14588.5	14547.9
-12.5°	12580.3	12978.0	13317.3	13585.3	13929.2	14212.5	14496.6	14695.8	14706.4	14679.6	14635.8
-15°	12528.0	12938.5	13268.6	13561.3	13898.4	14229.5	14521.5	14741.2	14780.5	14758.5	14723.8
-17.5°	12424.6	12857.8	13207.8	13523.2	13846.7	14199.6	14531.6	14772.0	14825.6	14816.9	14788.1
-20°	12288.8	12735.8	13091.2	13421.6	13773.8	14137.3	14523.6	14743.2	14821.0	14826.0	14806.5



REPORT NUMBER: P645589 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-735-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12136.2	12573.9	12950.9	13275.7	13657.6	14025.6	14375.4	14632.6	14763.3	14787.6	14789.3
-25°	11953.4	12403.1	12777.7	13123.6	13478.8	13858.8	14212.3	14499.5	14631.9	14695.2	14714.8
-27.5°	11695.0	12159.8	12528.4	12894.0	13255.3	13648.0	14019.5	14331.7	14439.4	14526.4	14561.3
-30°	11392.2	11851.9	12227.8	12562.0	12975.4	13375.6	13759.1	14031.5	14193.9	14293.5	14347.9
-32.5°	11044.2	11508.2	11902.6	12251.7	12644.5	13044.8	13405.5	13692.9	13916.9	14031.8	14089.9
-35°	10666.8	11140.5	11553.4	11921.1	12291.0	12672.5	13046.2	13346.9	13602.1	13700.8	13773.7
-37.5°	10211.5	10734.1	11157.5	11536.7	11888.2	12246.8	12636.0	12979.7	13227.5	13323.3	13400.1
-40°	9744.6	10249.7	10676.8	11081.2	11428.8	11820.3	12195.3	12555.5	12770.5	12882.2	12969.1
-42.5°	9251.8	9708.1	10114.2	10507.1	10894.1	11297.2	11671.9	12046.2	12232.2	12366.7	12473.4
-45°	8683.0	9107.5	9502.1	9869.8	10268.7	10665.0	11039.9	11370.8	11592.1	11767.2	11903.5
-47.5°	7924.5	8441.7	8837.9	9187.6	9583.1	9965.4	10328.7	10639.7	10882.5	11087.4	11245.7
-50°	7154.1	7650.5	8097.4	8490.3	8857.2	9210.8	9556.6	9860.9	10117.8	10339.8	10500.1
-52.5°	6395.5	6860.6	7304.1	7709.6	8062.3	8396.1	8712.5	9018.6	9289.5	9526.9	9682.0
-55°	5538.3	6020.1	6458.8	6837.0	7189.4	7519.3	7831.7	8122.0	8388.7	8630.4	8779.1
-57.5°	4734.2	5156.8	5564.9	5914.1	6246.7	6561.0	6857.2	7135.1	7391.7	7619.2	7762.5
-60°	3995.0	4303.2	4654.4	4976.8	5271.6	5539.1	5815.5	6074.5	6310.3	6510.4	6643.9
-62.5°	3341.7	3597.0	3850.6	4095.8	4335.0	4575.3	4806.6	5021.5	5218.5	5382.4	5499.4
-65°	2759.6	2964.8	3148.2	3322.0	3487.6	3677.2	3853.1	4018.5	4171.7	4297.3	4386.4
-67.5°	2272.3	2416.5	2543.3	2662.6	2793.2	2927.1	3052.6	3162.0	3255.6	3330.0	3388.8
-70°	1832.4	1938.5	2034.2	2129.2	2224.6	2311.7	2394.7	2475.2	2551.6	2613.9	2660.7
-72.5°	1435.1	1507.5	1572.7	1645.9	1714.5	1780.5	1838.0	1884.5	1920.5	1955.6	1986.2
-75°	1094.0	1148.5	1221.9	1283.9	1335.2	1380.5	1422.1	1459.2	1491.7	1520.5	1545.9
-77.5°	879.9	926.2	972.9	1018.2	1062.0	1094.5	1124.8	1155.0	1184.7	1210.2	1232.7
-80°	652.2	686.6	722.7	759.0	795.2	813.2	827.6	840.9	852.7	867.9	882.1
-82.5°	398.8	418.3	438.4	458.7	479.0	484.1	485.8	485.4	482.8	477.2	468.8
-85°	177.5	178.5	177.9	175.9	172.5	165.5	156.9	147.0	135.8	134.1	132.0
-87.5°	39.0	38.2	37.1	35.9	34.5	34.5	34.3	34.1	33.7	34.8	35.9
-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: P645589 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
85°	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.3	3.0	3.0
82.5°	3.1	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.2	3.2
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	3.2	3.2	1.7	0.0	1.7	3.2	3.2	3.2	3.2	3.2	3.2
70°	3.2	3.2	1.7	0.0	1.7	3.2	3.2	3.2	3.2	3.2	3.2
67.5°	1.2	0.2	0.0	0.0	0.0	0.2	1.2	2.1	2.8	3.2	3.2
65°	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.9	2.8	3.5	3.9
62.5°	5.9	6.1	6.3	6.4	6.3	6.1	5.9	5.6	5.4	5.7	6.1
60°	11.5	7.6	6.4	6.4	6.4	7.6	11.5	14.6	16.6	18.1	17.9
57.5°	70.1	52.3	44.5	41.3	44.5	52.3	70.1	83.0	89.3	272.1	330.4
55°	1716.0	1803.4	1868.7	1898.9	1868.7	1803.4	1716.0	1565.4	1355.1	1271.7	1297.2
52.5°	2382.7	2420.7	2442.6	2441.9	2442.6	2420.7	2382.7	2341.8	2295.3	2217.3	2144.1
50°	2655.9	2674.3	2680.9	2676.9	2680.9	2674.3	2655.9	2627.2	2610.4	2574.7	2444.3
47.5°	3923.0	3583.4	3333.8	3273.8	3333.8	3583.4	3923.0	4076.5	3908.4	3566.2	3178.2
45°	5587.1	5715.9	5844.1	5884.0	5844.1	5715.9	5587.1	5528.5	5406.5	5257.5	5103.5
42.5°	6163.4	6205.4	6229.1	6230.1	6229.1	6205.4	6163.4	6108.7	5979.1	5817.0	5617.0
40°	6438.5	6478.0	6501.1	6503.2	6501.1	6478.0	6438.5	6384.1	6286.8	6144.3	5961.3
37.5°	6688.3	6722.0	6744.2	6766.8	6744.2	6722.0	6688.3	6672.6	6659.6	6514.8	6405.7
35°	7817.2	7561.5	7193.7	7249.4	7193.7	7561.5	7817.2	7846.7	7628.1	7221.6	7416.8
32.5°	9758.1	9865.6	9932.7	10046.9	9932.7	9865.6	9758.1	9659.1	9722.4	9500.2	9021.6
30°	10653.6	10689.1	10742.9	10799.5	10742.9	10689.1	10653.6	10625.3	10607.5	10348.4	10059.4
27.5°	10877.1	10913.9	10946.5	10971.0	10946.5	10913.9	10877.1	10856.1	10816.4	10653.9	10408.2
25°	10994.1	11016.9	11051.7	11082.1	11051.7	11016.9	10994.1	10989.5	10957.5	10857.3	10659.9
22.5°	11052.1	11054.5	11081.7	11120.2	11081.7	11054.5	11052.1	11061.3	11045.3	11001.6	10787.1
20°	11092.0	11070.4	11098.4	11123.4	11098.4	11070.4	11092.0	11106.4	11102.1	11103.2	10924.4
17.5°	11599.7	11310.0	11191.0	11193.2	11191.0	11310.0	11599.7	11310.7	11515.5	11610.0	11562.5
15°	13237.3	13346.0	13762.5	13987.6	13762.5	13346.0	13237.3	13549.1	13271.3	13335.9	13089.1
12.5°	14294.1	14255.5	14205.9	14273.4	14205.9	14255.5	14294.1	14304.1	14358.7	14388.1	14313.7
10°	14343.0	14338.6	14250.5	14346.4	14250.5	14338.6	14343.0	14372.6	14442.2	14491.4	14406.3
7.5°	14313.0	14315.7	14278.2	14371.8	14278.2	14315.7	14313.0	14391.3	14439.1	14467.7	14381.1
5°	14332.9	14268.4	14292.8	14346.4	14292.8	14268.4	14332.9	14340.4	14387.0	14421.4	14370.3
2.5°	14277.4	14270.7	14223.2	14260.7	14223.2	14270.7	14277.4	14307.4	14334.6	14349.7	14350.1
0°	14235.3	14200.3	14200.3	14232.1	14200.3	14200.3	14235.3	14289.2	14336.9	14378.2	14394.0
-2.5°	14310.4	14303.1	14298.4	14276.5	14298.4	14303.1	14310.4	14334.6	14358.2	14378.5	14385.9
-5°	14372.1	14353.2	14301.2	14371.8	14301.2	14353.2	14372.1	14398.6	14438.3	14466.6	14458.5
-7.5°	14438.5	14390.3	14340.9	14451.2	14340.9	14390.3	14438.5	14459.6	14507.1	14544.7	14541.2
-10°	14499.2	14429.5	14381.4	14489.3	14381.4	14429.5	14499.2	14547.9	14588.5	14624.2	14630.8
-12.5°	14579.3	14497.9	14465.7	14524.2	14465.7	14497.9	14579.3	14635.8	14679.6	14706.4	14695.8
-15°	14664.8	14608.4	14600.8	14635.4	14600.8	14608.4	14664.8	14723.8	14758.5	14780.5	14741.2
-17.5°	14739.9	14700.3	14719.9	14759.2	14719.9	14700.3	14739.9	14788.1	14816.9	14825.6	14772.0
-20°	14775.8	14753.6	14775.6	14873.5	14775.6	14753.6	14775.8	14806.5	14826.0	14821.0	14743.2



REPORT NUMBER: P645589 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	14772.7	14774.1	14813.0	14844.9	14813.0	14774.1	14772.7	14789.3	14787.6	14763.3	14632.6
-25°	14716.3	14746.1	14790.6	14854.5	14790.6	14746.1	14716.3	14714.8	14695.2	14631.9	14499.5
-27.5°	14580.4	14629.7	14676.3	14743.3	14676.3	14629.7	14580.4	14561.3	14526.4	14439.4	14331.7
-30°	14383.8	14442.5	14484.1	14556.0	14484.1	14442.5	14383.8	14347.9	14293.5	14193.9	14031.5
-32.5°	14144.6	14211.0	14260.2	14311.5	14260.2	14211.0	14144.6	14089.9	14031.8	13916.9	13692.9
-35°	13845.6	13917.1	13969.4	14016.2	13969.4	13917.1	13845.6	13773.7	13700.8	13602.1	13346.9
-37.5°	13486.4	13563.5	13623.0	13676.4	13623.0	13563.5	13486.4	13400.1	13323.3	13227.5	12979.7
-40°	13067.8	13146.9	13210.4	13269.9	13210.4	13146.9	13067.8	12969.1	12882.2	12770.5	12555.5
-42.5°	12578.4	12658.2	12723.8	12784.1	12723.8	12658.2	12578.4	12473.4	12366.7	12232.2	12046.2
-45°	12013.3	12095.5	12164.8	12228.4	12164.8	12095.5	12013.3	11903.5	11767.2	11592.1	11370.8
-47.5°	11362.4	11450.3	11509.6	11539.4	11509.6	11450.3	11362.4	11245.7	11087.4	10882.5	10639.7
-50°	10616.3	10704.2	10775.5	10828.1	10775.5	10704.2	10616.3	10500.1	10339.8	10117.8	9860.9
-52.5°	9795.2	9878.7	9940.0	9977.1	9940.0	9878.7	9795.2	9682.0	9526.9	9289.5	9018.6
-55°	8896.0	8983.6	9041.7	9068.9	9041.7	8983.6	8896.0	8779.1	8630.4	8388.7	8122.0
-57.5°	7876.1	7959.3	8021.1	8056.0	8021.1	7959.3	7876.1	7762.5	7619.2	7391.7	7135.1
-60°	6747.9	6822.3	6869.1	6887.4	6869.1	6822.3	6747.9	6643.9	6510.4	6310.3	6074.5
-62.5°	5593.8	5664.2	5708.1	5725.2	5708.1	5664.2	5593.8	5499.4	5382.4	5218.5	5021.5
-65°	4452.8	4497.0	4521.4	4524.9	4521.4	4497.0	4452.8	4386.4	4297.3	4171.7	4018.5
-67.5°	3435.3	3468.8	3489.2	3496.1	3489.2	3468.8	3435.3	3388.8	3330.0	3255.6	3162.0
-70°	2695.5	2718.7	2731.7	2734.0	2731.7	2718.7	2695.5	2660.7	2613.9	2551.6	2475.2
-72.5°	2009.7	2026.3	2020.4	2006.8	2020.4	2026.3	2009.7	1986.2	1955.6	1920.5	1884.5
-75°	1567.7	1586.0	1578.4	1565.5	1578.4	1586.0	1567.7	1545.9	1520.5	1491.7	1459.2
-77.5°	1252.4	1269.1	1260.9	1247.9	1260.9	1269.1	1252.4	1232.7	1210.2	1184.7	1155.0
-80°	894.3	904.1	911.0	914.5	911.0	904.1	894.3	882.1	867.9	852.7	840.9
-82.5°	457.8	444.3	435.8	425.5	435.8	444.3	457.8	468.8	477.2	482.8	485.4
-85°	129.4	126.4	128.4	130.2	128.4	126.4	129.4	132.0	134.1	135.8	147.0
-87.5°	37.0	38.0	38.1	38.1	38.1	38.0	37.0	35.9	34.8	33.7	34.1
-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):**

	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°	1.5	2.2	2.9	2.8	2.8	2.7	2.6	2.5	2.5	2.4	2.3
85°	3.0	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
70°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.5
67.5°	3.2	3.2	3.3	3.2	3.2	3.2	3.4	3.3	3.2	3.2	3.9
65°	4.0	3.8	3.9	4.5	4.6	4.4	4.5	4.6	4.6	4.4	4.1
62.5°	6.4	6.7	6.9	7.0	7.1	9.0	8.0	8.1	7.6	9.1	12.4
60°	15.3	12.0	18.0	20.1	17.2	29.4	49.8	44.9	13.3	71.9	83.0
57.5°	210.2	174.5	365.5	364.4	152.6	206.1	276.0	181.7	118.8	203.6	269.0
55°	1465.3	1341.9	1166.7	1148.1	1208.7	918.3	767.8	738.8	578.3	375.9	446.6
52.5°	2065.8	1942.7	1823.2	1711.9	1620.6	1522.9	1379.4	1224.3	1174.6	945.9	729.4
50°	2337.5	2457.0	2339.3	2051.5	2102.7	1963.7	1761.5	1596.6	1630.5	1490.5	1201.7
47.5°	3169.8	3315.6	3319.2	3147.6	2956.5	2897.6	2601.0	2085.9	2120.5	2114.5	1808.7
45°	4640.8	4437.3	4513.2	4272.1	3934.7	3748.2	3738.1	3187.0	2676.7	2593.8	2564.2
42.5°	5446.9	5296.2	5140.3	4960.5	4662.2	4364.7	4181.1	3871.0	3460.7	3097.4	2968.6
40°	5772.9	5597.4	5451.8	5302.9	5062.6	4757.9	4610.0	4203.0	3894.5	3580.1	3475.4
37.5°	6166.8	5833.7	5963.7	5682.1	5459.1	5384.9	5270.2	4846.5	4162.9	4105.4	4052.4
35°	7046.4	6734.9	7034.8	6981.6	6093.9	6192.7	6269.0	5748.4	5032.5	4644.5	4652.9
32.5°	9053.4	8335.2	8116.0	8384.6	7917.8	7143.0	7154.4	6995.9	6018.8	5454.1	5207.0
30°	9780.0	9461.1	9115.4	9068.9	8721.3	8273.2	7988.5	7607.6	6896.5	6252.0	5828.4
27.5°	10093.5	9804.1	9513.2	9288.8	9087.7	8783.4	8412.0	7964.5	7458.6	6881.0	6469.5
25°	10317.3	9993.2	9742.3	9494.4	9277.9	9047.6	8668.2	8232.3	7760.3	7294.7	6852.8
22.5°	10497.0	10194.9	9924.9	9658.3	9482.6	9235.0	8894.0	8443.9	8127.0	7831.1	7256.6
20°	10693.7	10402.5	10098.3	10111.2	9852.6	9439.1	9111.4	8887.3	8843.9	8510.9	7769.2
17.5°	11547.4	10746.7	10895.5	11177.6	10607.8	9857.3	9740.3	9752.8	9615.2	9305.6	8383.3
15°	13375.9	12219.4	12229.6	12424.1	11806.4	10884.3	10671.5	10645.5	10428.9	10086.3	9031.9
12.5°	13951.8	13565.5	13494.4	13205.4	12598.9	11909.8	11657.8	11521.1	11123.6	10460.9	9498.6
10°	14146.3	13922.6	13625.2	13333.7	12965.6	12688.8	12329.7	11832.9	11268.7	10629.6	9846.2
7.5°	14169.5	13937.3	13697.7	13420.1	13097.0	12772.1	12417.2	11923.5	11378.0	10751.0	10091.2
5°	14155.9	13924.5	13702.5	13437.1	13109.3	12794.3	12472.9	11984.6	11451.7	10830.3	10252.2
2.5°	14121.4	13887.2	13675.7	13434.7	13108.3	12804.7	12507.1	12050.1	11504.5	10895.8	10306.0
0°	14171.8	13940.0	13739.9	13470.0	13174.7	12822.2	12523.7	12117.3	11529.8	10939.2	10326.4
-2.5°	14193.4	13953.8	13770.6	13466.2	13221.5	12861.8	12559.4	12166.8	11577.8	11015.8	10375.4
-5°	14308.0	14069.9	13830.3	13525.2	13267.9	12931.3	12591.2	12186.9	11613.8	11057.4	10397.6
-7.5°	14383.2	14141.7	13863.1	13567.2	13308.7	12987.7	12610.7	12188.8	11646.8	11056.7	10408.2
-10°	14430.5	14177.9	13902.8	13599.8	13332.6	13002.2	12604.2	12178.2	11640.1	11030.9	10384.9
-12.5°	14496.6	14212.5	13929.2	13585.3	13317.3	12978.0	12580.3	12153.9	11590.3	10982.6	10325.4
-15°	14521.5	14229.5	13898.4	13561.3	13268.6	12938.5	12528.0	12081.9	11503.2	10908.0	10228.3
-17.5°	14531.6	14199.6	13846.7	13523.2	13207.8	12857.8	12424.6	11950.1	11391.6	10776.7	10100.2
-20°	14523.6	14137.3	13773.8	13421.6	13091.2	12735.8	12288.8	11818.9	11232.0	10606.5	9934.4



REPORT NUMBER: P645589 (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°	14375.4	14025.6	13657.6	13275.7	12950.9	12573.9	12136.2	11649.9	11024.6	10419.6	9723.2
-25°	14212.3	13858.8	13478.8	13123.6	12777.7	12403.1	11953.4	11402.0	10808.0	10178.7	9467.0
-27.5°	14019.5	13648.0	13255.3	12894.0	12528.4	12159.8	11695.0	11139.4	10567.6	9879.6	9188.6
-30°	13759.1	13375.6	12975.4	12562.0	12227.8	11851.9	11392.2	10852.8	10238.7	9559.3	8901.7
-32.5°	13405.5	13044.8	12644.5	12251.7	11902.6	11508.2	11044.2	10508.7	9864.1	9221.5	8537.4
-35°	13046.2	12672.5	12291.0	11921.1	11553.4	11140.5	10666.8	10083.9	9467.9	8831.3	8121.5
-37.5°	12636.0	12246.8	11888.2	11536.7	11157.5	10734.1	10211.5	9648.3	9047.7	8347.8	7672.2
-40°	12195.3	11820.3	11428.8	11081.2	10676.8	10249.7	9744.6	9197.2	8536.7	7845.1	7209.9
-42.5°	11671.9	11297.2	10894.1	10507.1	10114.2	9708.1	9251.8	8659.6	8005.0	7352.5	6693.0
-45°	11039.9	10665.0	10268.7	9869.8	9502.1	9107.5	8683.0	8051.5	7405.0	6783.2	6150.4
-47.5°	10328.7	9965.4	9583.1	9187.6	8837.9	8441.7	7924.5	7337.0	6764.9	6173.2	5525.4
-50°	9556.6	9210.8	8857.2	8490.3	8097.4	7650.5	7154.1	6641.6	6074.9	5467.6	4875.8
-52.5°	8712.5	8396.1	8062.3	7709.6	7304.1	6860.6	6395.5	5851.3	5286.0	4770.5	4232.3
-55°	7831.7	7519.3	7189.4	6837.0	6458.8	6020.1	5538.3	5043.4	4581.9	4105.1	3694.5
-57.5°	6857.2	6561.0	6246.7	5914.1	5564.9	5156.8	4734.2	4314.3	3948.8	3578.2	3205.6
-60°	5815.5	5539.1	5271.6	4976.8	4654.4	4303.2	3995.0	3685.2	3375.1	3079.4	2779.2
-62.5°	4806.6	4575.3	4335.0	4095.8	3850.6	3597.0	3341.7	3102.5	2858.0	2607.3	2386.4
-65°	3853.1	3677.2	3487.6	3322.0	3148.2	2964.8	2759.6	2572.0	2394.2	2210.5	2022.7
-67.5°	3052.6	2927.1	2793.2	2662.6	2543.3	2416.5	2272.3	2120.6	1979.7	1843.7	1705.4
-70°	2394.7	2311.7	2224.6	2129.2	2034.2	1938.5	1832.4	1720.8	1607.7	1505.8	1408.3
-72.5°	1838.0	1780.5	1714.5	1645.9	1572.7	1507.5	1435.1	1359.7	1283.1	1205.8	1132.2
-75°	1422.1	1380.5	1335.2	1283.9	1221.9	1148.5	1094.0	1057.3	1011.1	954.9	893.5
-77.5°	1124.8	1094.5	1062.0	1018.2	972.9	926.2	879.9	834.4	789.4	746.8	707.8
-80°	827.6	813.2	795.2	759.0	722.7	686.6	652.2	624.2	597.9	569.1	533.5
-82.5°	485.8	484.1	479.0	458.7	438.4	418.3	398.8	379.1	358.4	336.7	314.7
-85°	156.9	165.5	172.5	175.9	177.9	178.5	177.5	172.3	166.3	159.4	152.0
-87.5°	34.3	34.5	34.5	35.9	37.1	38.2	39.0	40.9	42.6	43.9	45.0
-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):**

	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°	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.4	1.5	1.6	1.7
85°	3.2	3.2	3.2	3.2	3.2	3.2	3.0	2.7	3.1	3.3	3.4
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	4.1	4.9	5.1
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	4.1	4.9	5.7
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.4	4.2	4.9	5.7
75°	3.2	3.2	3.2	3.3	3.4	3.2	3.2	3.4	4.2	5.0	5.8
72.5°	3.2	3.2	3.2	3.6	4.1	4.1	3.7	3.5	4.3	5.1	5.8
70°	3.7	3.4	3.2	3.7	4.5	5.2	5.0	5.1	4.5	5.2	5.9
67.5°	4.7	4.8	4.4	4.4	4.6	5.4	6.2	7.2	7.1	5.3	6.0
65°	4.9	5.7	6.7	9.0	8.0	5.6	6.3	12.5	10.0	8.5	6.1
62.5°	10.5	5.9	20.1	26.9	15.2	11.9	9.5	27.7	17.4	11.8	8.5
60°	25.0	20.5	56.0	89.7	62.6	21.1	31.0	48.0	44.1	15.3	12.0
57.5°	232.9	80.1	116.0	167.8	164.8	89.5	65.2	87.0	74.9	43.2	17.0
55°	497.1	418.4	276.2	253.0	273.3	220.6	143.6	140.9	115.6	80.1	27.4
52.5°	682.0	711.7	619.5	432.8	376.9	359.1	280.5	204.4	181.4	120.2	69.6
50°	987.3	919.4	910.2	764.1	528.4	478.3	414.0	319.2	254.6	171.9	117.5
47.5°	1394.7	1225.1	1135.2	1069.6	843.2	609.7	543.1	436.6	335.3	247.7	167.8
45°	1993.1	1583.5	1409.6	1303.2	1155.5	857.5	679.6	550.6	437.0	332.5	220.4
42.5°	2594.0	2047.4	1722.9	1550.9	1397.3	1137.4	825.7	681.9	536.1	418.9	287.1
40°	3124.4	2525.7	2052.3	1831.1	1634.8	1407.7	1062.2	822.6	633.2	507.8	363.0
37.5°	3763.0	3070.3	2431.3	2124.8	1887.9	1633.4	1302.1	969.5	749.9	601.0	439.1
35°	4380.7	3775.3	2855.5	2479.6	2169.6	1864.9	1533.2	1143.0	893.3	695.8	515.2
32.5°	5044.0	4438.3	3496.0	2875.7	2461.2	2101.6	1749.3	1354.2	1037.5	791.7	590.9
30°	5566.3	4874.9	4058.0	3272.3	2778.5	2365.6	1965.1	1556.7	1182.1	888.4	667.4
27.5°	5843.1	5252.5	4501.6	3714.2	3135.6	2636.3	2187.3	1750.3	1326.4	994.7	747.1
25°	6129.4	5518.6	4818.7	4100.5	3488.1	2922.8	2408.6	1934.9	1484.0	1114.7	825.9
22.5°	6471.9	5744.7	5086.1	4406.7	3851.8	3213.3	2640.7	2121.7	1641.6	1232.2	903.4
20°	6815.7	5954.8	5349.9	4823.3	4208.6	3527.6	2883.4	2304.0	1790.2	1346.8	979.3
17.5°	7176.8	6336.3	5797.8	5229.9	4564.3	3832.2	3122.5	2480.6	1929.7	1457.7	1053.0
15°	7804.9	6907.3	6249.0	5625.5	4918.2	4125.1	3355.7	2650.2	2059.9	1564.2	1121.5
12.5°	8375.4	7439.0	6700.5	6008.0	5266.2	4404.4	3580.8	2811.6	2180.4	1649.1	1182.6
10°	8847.4	7932.0	7146.8	6375.2	5604.0	4668.2	3795.3	2943.1	2252.7	1712.5	1238.8
7.5°	9233.9	8387.7	7582.0	6724.6	5894.3	4840.5	3903.5	3019.8	2308.7	1766.5	1290.1
5°	9513.2	8691.7	7813.1	6846.4	5985.0	4911.3	3977.1	3082.2	2353.9	1811.5	1336.3
2.5°	9593.7	8785.1	7900.0	6913.1	6046.3	4957.2	4029.6	3129.9	2388.6	1848.1	1377.3
0°	9640.5	8846.6	7954.3	6954.1	6077.7	4979.0	4061.3	3162.7	2413.3	1876.7	1413.0
-2.5°	9705.9	8899.6	8006.8	7059.5	6098.5	5045.6	4079.2	3184.0	2444.4	1887.0	1433.8
-5°	9738.6	8920.4	8032.0	7130.3	6093.0	5085.4	4077.0	3190.8	2464.7	1890.5	1449.1
-7.5°	9724.3	8913.4	8033.1	7152.5	6065.5	5094.6	4054.9	3183.7	2472.9	1887.9	1458.6
-10°	9680.4	8877.2	8002.3	7095.1	6040.1	5058.6	4015.4	3163.5	2468.0	1879.8	1462.2
-12.5°	9613.7	8809.7	7939.6	7012.5	5987.2	4984.3	3968.9	3128.8	2448.1	1866.8	1459.8
-15°	9527.2	8711.4	7844.3	6907.5	5900.3	4885.6	3899.0	3078.4	2409.3	1852.0	1451.2
-17.5°	9416.2	8583.3	7716.0	6783.0	5777.8	4763.2	3805.1	3012.8	2360.8	1834.0	1433.7
-20°	9218.1	8411.1	7552.9	6641.4	5618.9	4618.2	3686.9	2932.0	2303.0	1808.4	1408.7



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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°	8995.3	8198.1	7349.6	6450.4	5427.4	4451.5	3543.9	2836.0	2236.4	1775.0	1378.7
-25°	8757.8	7958.2	7113.3	6186.0	5215.7	4275.3	3400.7	2724.8	2161.3	1733.8	1343.9
-27.5°	8478.9	7686.5	6845.6	5894.8	4970.1	4071.0	3263.5	2626.4	2088.6	1684.6	1304.3
-30°	8165.4	7367.0	6510.9	5584.1	4700.7	3834.5	3109.5	2521.2	2027.2	1630.8	1260.2
-32.5°	7806.0	7015.0	6140.0	5266.1	4416.3	3583.7	2939.6	2408.8	1956.2	1573.8	1219.4
-35°	7397.1	6605.5	5747.1	4924.6	4114.9	3381.1	2773.5	2289.4	1875.7	1512.2	1176.4
-37.5°	6971.0	6165.9	5354.0	4568.0	3794.5	3161.8	2624.1	2171.5	1785.8	1446.1	1128.9
-40°	6484.5	5713.7	4941.5	4200.8	3517.1	2926.3	2462.4	2055.2	1700.9	1375.8	1077.0
-42.5°	5983.4	5239.3	4511.3	3812.0	3243.4	2734.5	2293.0	1929.9	1611.1	1308.0	1020.7
-45°	5443.0	4738.5	4053.8	3484.5	2964.9	2531.4	2144.8	1800.1	1515.4	1238.5	962.4
-47.5°	4873.0	4210.5	3638.0	3143.1	2728.2	2327.3	1987.1	1687.7	1415.0	1164.1	904.1
-50°	4269.3	3719.0	3254.9	2846.5	2473.0	2143.6	1830.0	1570.1	1322.8	1081.8	843.0
-52.5°	3734.2	3293.3	2909.4	2559.8	2248.0	1950.3	1694.6	1449.5	1228.0	1003.1	779.0
-55°	3275.7	2914.3	2590.3	2299.4	2024.9	1784.7	1554.1	1342.4	1130.5	924.2	714.4
-57.5°	2879.8	2564.0	2304.6	2052.0	1825.3	1620.4	1426.0	1232.9	1037.0	842.5	663.0
-60°	2499.5	2263.7	2032.9	1829.8	1637.9	1464.1	1305.2	1123.5	942.7	760.7	606.2
-62.5°	2170.9	1969.7	1795.2	1618.2	1458.8	1317.1	1183.4	1016.4	845.7	685.1	544.4
-65°	1863.1	1708.5	1559.9	1418.6	1286.4	1166.3	1058.2	906.7	748.3	605.0	480.3
-67.5°	1570.6	1454.2	1337.5	1219.0	1114.9	1017.7	925.3	788.4	646.7	520.7	416.7
-70°	1309.5	1209.9	1118.6	1030.5	946.1	865.1	777.9	662.3	540.5	445.1	351.6
-72.5°	1062.8	990.1	914.2	841.9	779.5	708.2	628.0	537.9	452.5	368.2	285.0
-75°	834.6	786.7	733.2	675.7	617.5	553.9	500.9	437.9	363.4	289.8	229.7
-77.5°	667.7	621.0	567.4	521.6	482.6	439.1	391.0	336.2	277.2	225.4	177.5
-80°	492.6	456.8	426.5	400.1	364.1	324.4	284.4	244.6	201.5	161.4	124.4
-82.5°	300.5	292.7	284.3	272.0	242.0	212.5	183.6	155.2	124.7	96.4	79.8
-85°	150.3	147.2	142.7	136.4	117.9	99.9	91.5	83.0	72.7	62.8	53.3
-87.5°	49.4	53.1	56.1	58.3	54.1	50.0	45.8	41.6	36.4	31.5	26.7
-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°	1.7	1.4	1.1	0.8	0.6	0.3	0.0
85°	3.3	2.8	2.2	1.7	1.1	0.7	0.0
82.5°	5.0	4.1	3.3	2.5	1.7	1.0	0.0
80°	6.4	5.5	4.4	3.3	2.2	1.4	0.0
77.5°	6.4	6.5	5.5	4.1	2.8	1.7	0.0
75°	6.5	6.7	6.5	5.0	3.4	2.1	0.0
72.5°	6.6	6.9	6.7	5.8	3.9	2.4	0.0
70°	6.7	7.1	7.0	6.5	4.5	2.8	0.0
67.5°	7.5	7.4	7.3	6.8	5.1	3.1	0.0
65°	8.6	8.4	7.7	7.1	5.6	3.4	0.0
62.5°	10.0	10.5	8.0	7.4	6.2	3.8	0.0
60°	11.8	12.8	8.3	7.7	6.8	4.1	0.0
57.5°	21.8	15.3	10.8	8.0	7.1	4.4	0.0
55°	34.7	18.1	13.4	8.4	7.5	4.7	0.0
52.5°	49.7	23.1	16.2	8.7	7.9	5.0	0.0
50°	67.0	39.4	19.1	9.1	8.2	5.3	0.0
47.5°	90.1	57.0	22.2	9.9	8.6	5.6	0.0
45°	135.9	75.8	25.3	12.3	9.0	5.9	0.0
42.5°	182.8	95.7	28.6	14.7	9.4	6.2	0.0
40°	230.8	116.9	38.5	17.8	9.8	6.5	0.0
37.5°	279.7	139.2	55.0	21.6	10.2	6.8	0.0
35°	329.3	172.9	71.9	25.9	10.6	7.1	0.0
32.5°	383.1	212.1	88.9	30.5	11.0	7.3	0.0
30°	444.7	250.9	106.1	35.6	11.4	7.6	0.0
27.5°	505.1	289.3	127.3	40.9	11.8	7.8	0.0
25°	563.9	327.0	149.0	46.6	12.3	8.0	0.0
22.5°	621.1	365.6	170.7	52.5	12.7	8.2	0.0
20°	676.4	406.9	192.1	58.5	13.1	8.4	0.0
17.5°	731.0	446.9	213.2	64.7	13.5	8.6	0.0
15°	783.6	485.4	233.8	70.9	13.9	8.8	0.0
12.5°	832.7	522.0	253.7	77.1	14.2	8.9	0.0
10°	878.3	556.6	272.8	83.2	14.6	9.1	0.0
7.5°	920.2	589.0	290.8	89.1	15.0	9.2	0.0
5°	958.2	618.8	307.5	94.7	15.3	9.3	0.0
2.5°	992.4	645.9	322.9	100.0	15.6	9.4	0.0
0°	1022.5	670.0	336.6	104.8	15.9	9.5	0.0
-2.5°	1037.5	685.3	349.4	111.6	18.4	10.0	0.0
-5°	1048.4	697.3	360.3	117.9	20.8	10.6	0.0
-7.5°	1055.4	706.1	369.2	123.5	23.2	11.1	0.0
-10°	1058.6	711.6	375.9	128.4	25.5	11.5	0.0
-12.5°	1058.0	713.8	380.4	132.5	27.7	12.0	0.0
-15°	1053.8	712.8	382.6	135.8	29.7	12.4	0.0
-17.5°	1046.1	708.5	382.3	138.1	31.6	12.7	0.0
-20°	1034.1	701.0	379.6	139.5	33.4	13.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1016.9	690.3	374.2	140.0	35.0	13.3	0.0
-25°	995.6	673.7	366.2	139.3	36.4	13.5	0.0
-27.5°	970.3	653.0	355.6	137.6	37.5	13.6	0.0
-30°	941.0	629.5	342.2	134.8	38.5	13.7	0.0
-32.5°	907.8	603.2	326.7	130.8	39.3	13.8	0.0
-35°	871.9	574.1	309.4	125.7	39.8	13.8	0.0
-37.5°	833.3	544.9	290.3	119.4	40.1	13.7	0.0
-40°	791.8	518.4	269.6	111.9	40.1	13.5	0.0
-42.5°	747.3	490.1	253.8	103.9	39.9	13.3	0.0
-45°	700.1	459.9	243.1	95.8	39.4	13.1	0.0
-47.5°	650.2	428.0	230.4	86.4	38.7	12.7	0.0
-50°	608.4	394.5	215.8	83.4	37.7	12.4	0.0
-52.5°	566.6	359.2	199.4	81.7	36.5	11.9	0.0
-55°	523.2	332.6	181.1	79.2	35.1	11.4	0.0
-57.5°	478.2	305.6	161.1	75.7	33.4	10.9	0.0
-60°	432.5	276.0	140.2	71.4	31.5	10.2	0.0
-62.5°	390.8	244.1	130.2	66.4	29.6	9.6	0.0
-65°	346.0	210.1	118.9	60.5	27.5	8.9	0.0
-67.5°	298.5	181.6	106.2	54.0	25.2	8.1	0.0
-70°	248.3	158.9	92.4	46.9	22.8	7.3	0.0
-72.5°	210.1	134.5	77.5	41.3	20.3	6.5	0.0
-75°	171.7	108.6	61.7	35.9	17.6	5.6	0.0
-77.5°	131.5	81.5	50.9	30.2	14.8	4.7	0.0
-80°	89.7	62.1	41.2	24.4	12.0	3.8	0.0
-82.5°	65.9	46.9	31.1	18.5	9.0	2.9	0.0
-85°	44.2	31.5	20.9	12.4	6.1	1.9	0.0
-87.5°	22.2	15.8	10.5	6.2	3.0	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)