

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: P645393 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2E-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645393 (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: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA2E-727-U-LAM-VSR-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (32) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

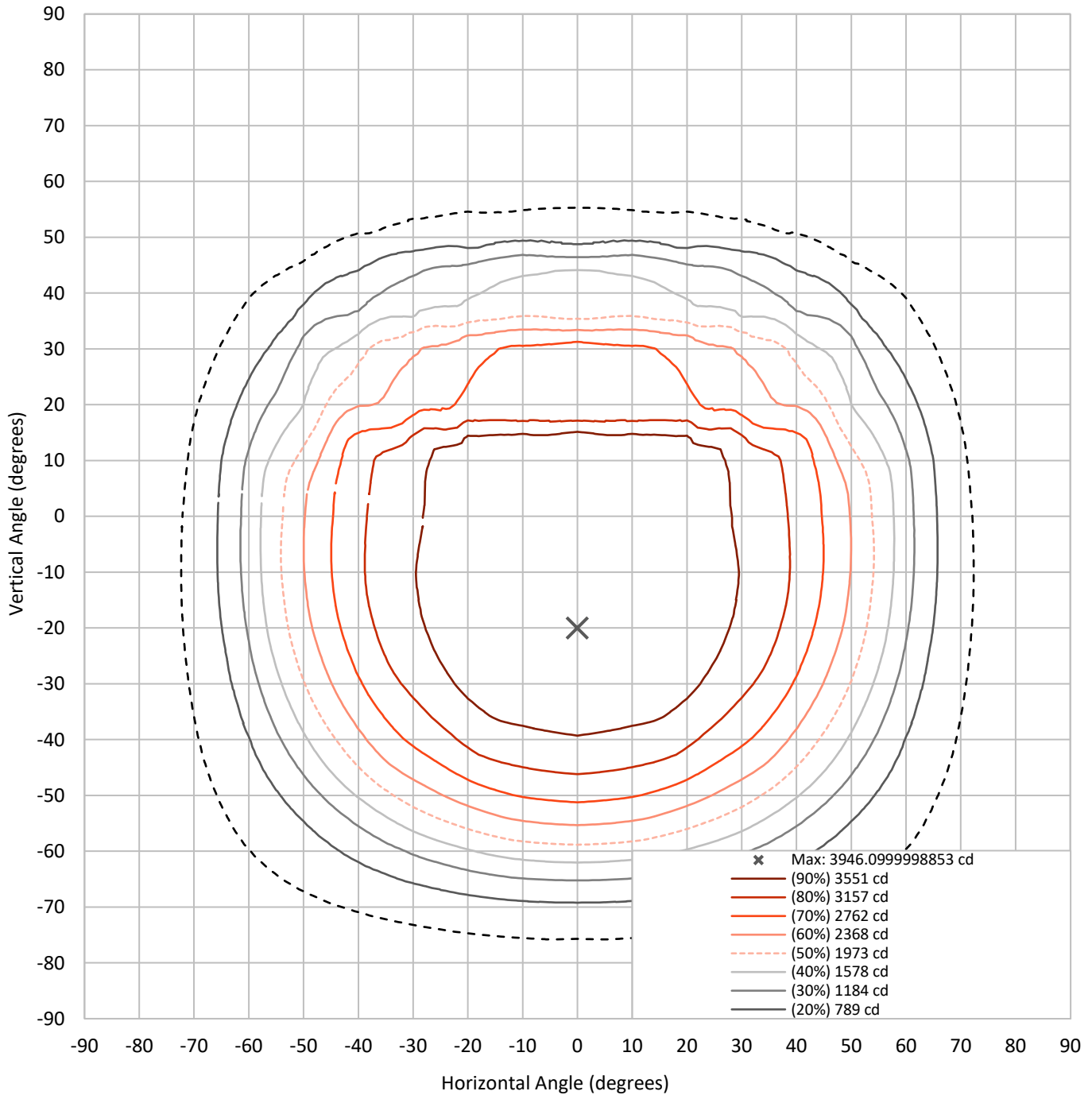
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	9252.8 lumens	Max Intensity:	3946.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	73.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	7233.3 lumens	Field Lumens:	9069.1 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	125.71		
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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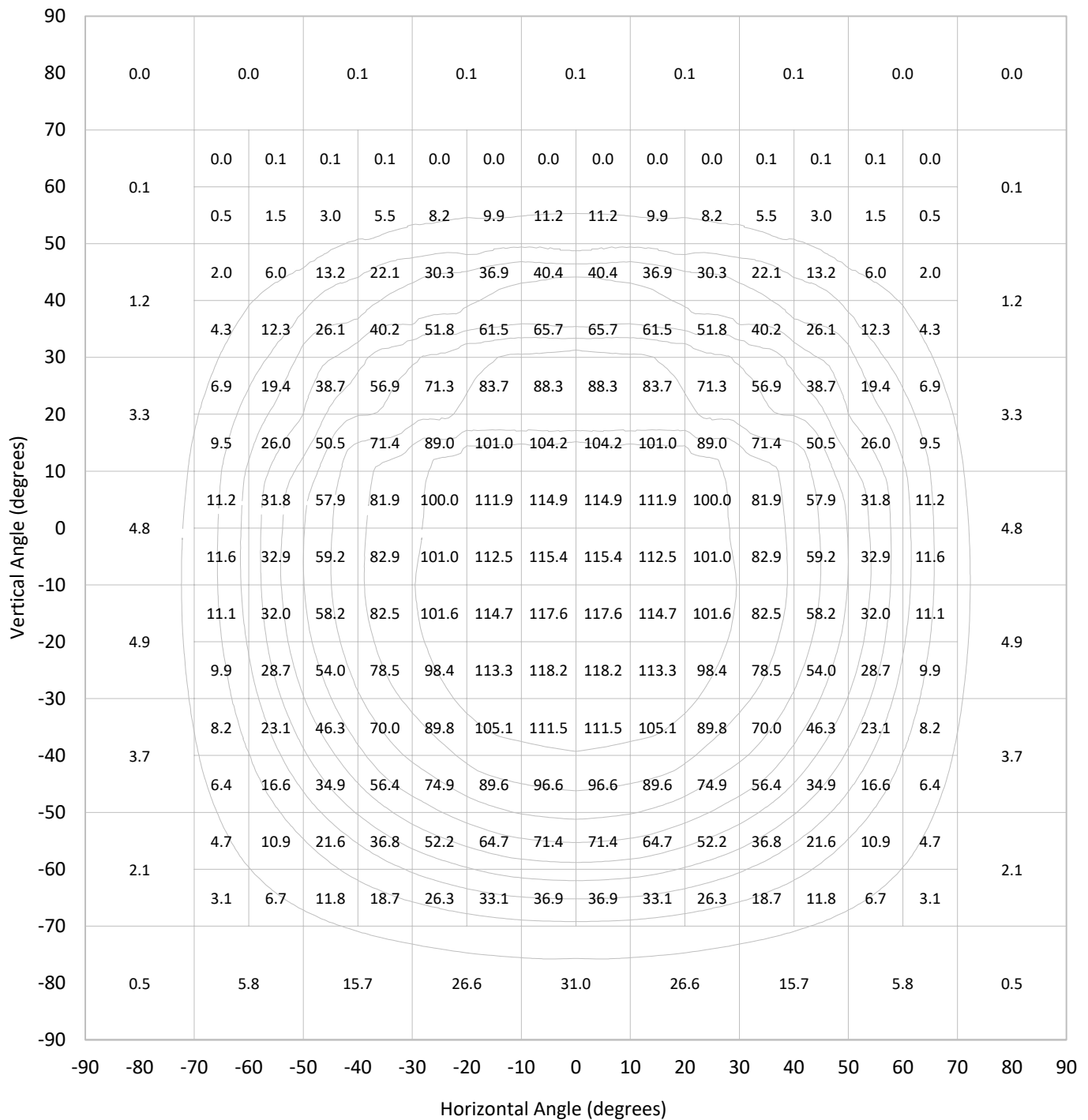
### Iso-Candela Plot





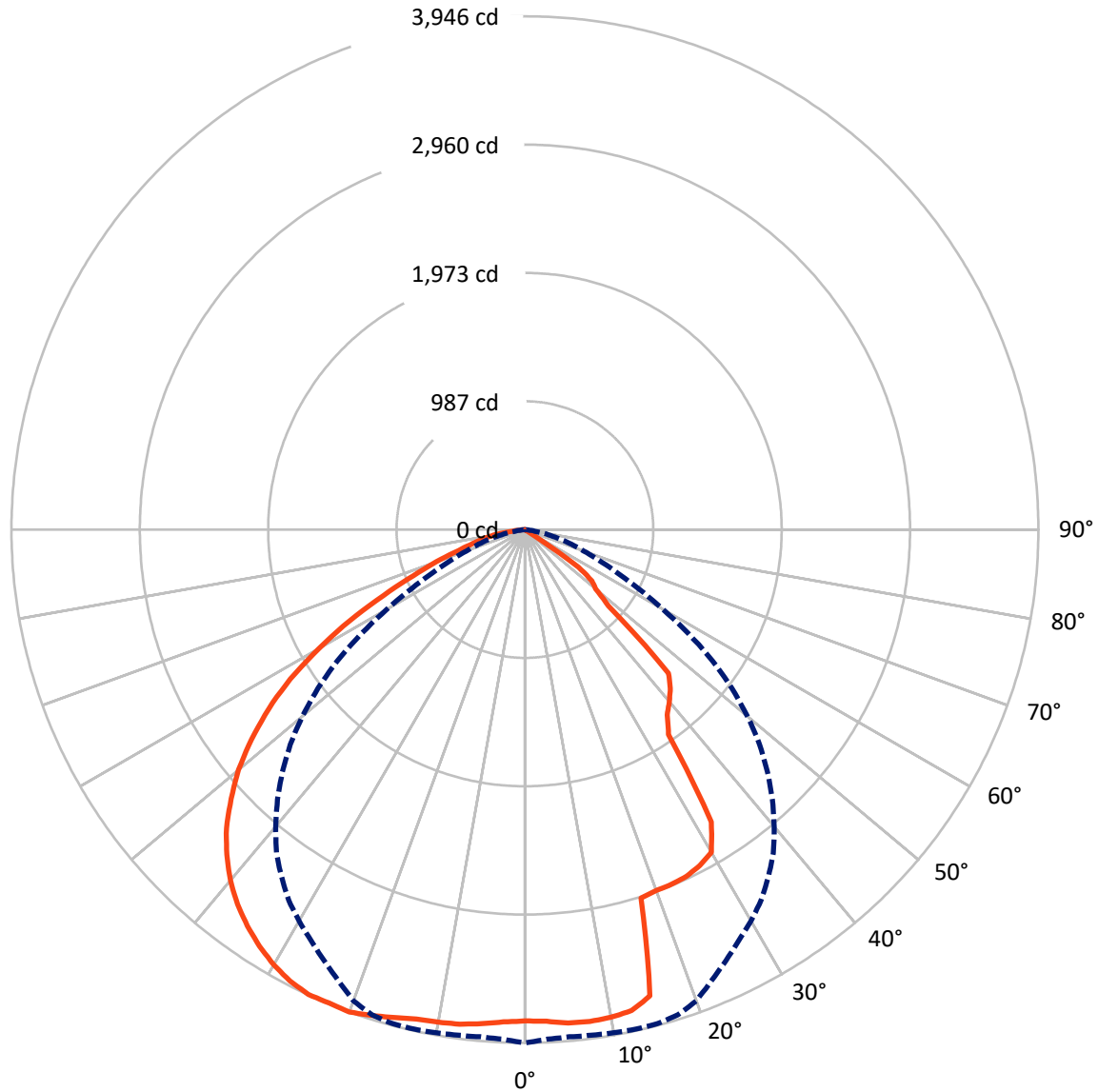
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### Lumen Table



REPORT NUMBER: P645393 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot

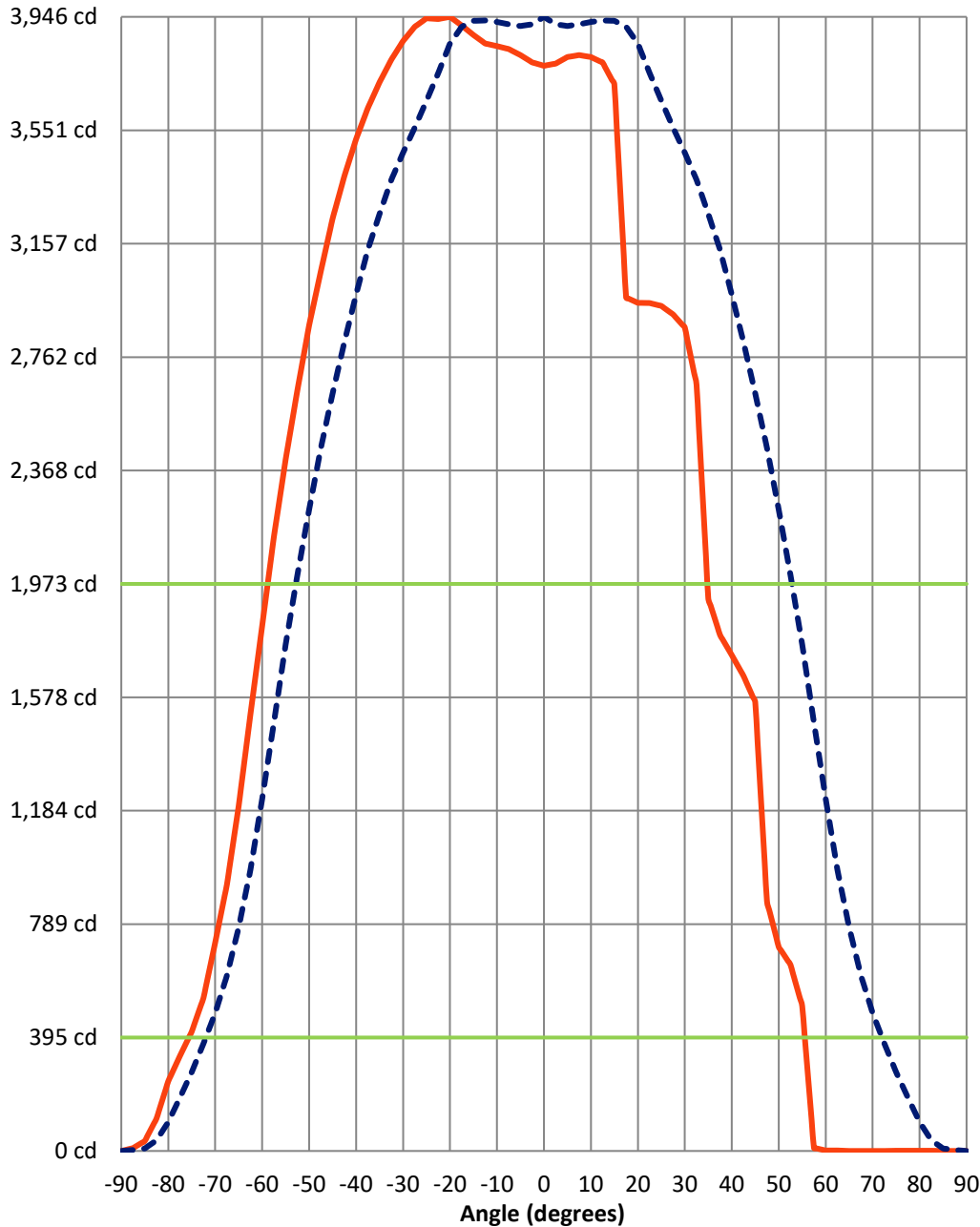


— Vertical Distribution Through 0-Deg    - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 7233.3  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 9069.1  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 183.7  
 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	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.3
85°	0.0	0.2	0.3	0.4	0.6	0.7	0.9	0.9	0.9	0.8	0.7
82.5°	0.0	0.3	0.4	0.7	0.9	1.1	1.3	1.3	1.3	1.0	0.8
80°	0.0	0.4	0.6	0.9	1.2	1.5	1.7	1.5	1.3	1.1	0.8
77.5°	0.0	0.5	0.7	1.1	1.5	1.7	1.7	1.5	1.3	1.1	0.8
75°	0.0	0.5	0.9	1.3	1.7	1.8	1.7	1.5	1.3	1.1	0.9
72.5°	0.0	0.6	1.0	1.5	1.8	1.8	1.7	1.5	1.3	1.1	0.9
70°	0.0	0.7	1.2	1.7	1.9	1.9	1.8	1.6	1.4	1.2	1.3
67.5°	0.0	0.8	1.3	1.8	1.9	1.9	2.0	1.6	1.4	1.9	1.9
65°	0.0	0.9	1.5	1.9	2.0	2.2	2.3	1.6	2.2	2.6	3.3
62.5°	0.0	1.0	1.7	2.0	2.1	2.8	2.7	2.3	3.1	4.6	7.4
60°	0.0	1.1	1.8	2.0	2.2	3.4	3.1	3.2	4.1	11.7	12.8
57.5°	0.0	1.2	1.9	2.1	2.9	4.1	5.8	4.5	11.5	19.9	23.1
55°	0.0	1.2	2.0	2.2	3.6	4.8	9.2	7.3	21.3	30.7	37.4
52.5°	0.0	1.3	2.1	2.3	4.3	6.2	13.2	18.5	31.9	48.1	54.2
50°	0.0	1.4	2.2	2.4	5.1	10.5	17.8	31.2	45.6	67.5	84.7
47.5°	0.0	1.5	2.3	2.6	5.9	15.1	23.9	44.5	65.7	88.9	115.8
45°	0.0	1.6	2.4	3.3	6.7	20.1	36.1	58.5	88.2	115.9	146.0
42.5°	0.0	1.6	2.5	3.9	7.6	25.4	48.5	76.2	111.1	142.2	180.9
40°	0.0	1.7	2.6	4.7	10.2	31.0	61.2	96.3	134.7	167.9	218.2
37.5°	0.0	1.8	2.7	5.7	14.6	36.9	74.2	116.5	159.4	198.9	257.2
35°	0.0	1.9	2.8	6.9	19.1	45.9	87.4	136.7	184.6	237.0	303.2
32.5°	0.0	1.9	2.9	8.1	23.6	56.2	101.6	156.8	210.0	275.2	359.2
30°	0.0	2.0	3.0	9.4	28.1	66.5	118.0	177.1	235.7	313.6	413.0
27.5°	0.0	2.1	3.1	10.9	33.8	76.7	134.0	198.2	263.9	351.9	464.3
25°	0.0	2.1	3.2	12.4	39.5	86.7	149.6	219.1	295.7	393.7	513.3
22.5°	0.0	2.2	3.3	13.9	45.3	97.0	164.8	239.7	326.9	435.5	562.9
20°	0.0	2.2	3.4	15.5	51.0	107.9	179.5	259.8	357.3	475.0	611.3
17.5°	0.0	2.3	3.6	17.2	56.6	118.5	194.0	279.4	386.7	512.0	658.1
15°	0.0	2.3	3.7	18.8	62.0	128.8	207.9	297.6	415.0	546.5	703.1
12.5°	0.0	2.4	3.8	20.5	67.3	138.5	220.9	313.8	437.6	578.5	745.9
10°	0.0	2.4	3.9	22.1	72.4	147.7	233.0	328.7	454.4	597.7	780.8
7.5°	0.0	2.4	4.0	23.6	77.1	156.3	244.1	342.3	468.7	612.5	801.2
5°	0.0	2.5	4.0	25.1	81.6	164.2	254.2	354.5	480.6	624.5	817.7
2.5°	0.0	2.5	4.1	26.5	85.7	171.4	263.3	365.4	490.3	633.8	830.4
0°	0.0	2.5	4.2	27.8	89.3	177.8	271.3	374.9	497.9	640.3	839.1
-2.5°	0.0	2.6	4.9	29.6	92.7	181.8	275.3	380.4	500.6	648.5	844.8
-5°	0.0	2.8	5.5	31.3	95.6	185.0	278.2	384.5	501.6	653.9	846.5
-7.5°	0.0	2.9	6.1	32.8	97.9	187.4	280.0	387.0	500.9	656.1	844.6
-10°	0.0	3.0	6.7	34.0	99.7	188.8	280.9	387.9	498.7	654.8	839.3
-12.5°	0.0	3.2	7.3	35.1	100.9	189.4	280.7	387.3	495.3	649.5	830.1
-15°	0.0	3.3	7.9	36.0	101.5	189.1	279.6	385.0	491.3	639.2	816.7
-17.5°	0.0	3.4	8.4	36.6	101.4	188.0	277.6	380.4	486.6	626.3	799.3
-20°	0.0	3.4	8.9	37.0	100.7	186.0	274.4	373.8	479.8	611.0	777.9

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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	3.5	9.3	37.1	99.3	183.2	269.8	365.8	470.9	593.3	752.4
-25°	0.0	3.6	9.6	36.9	97.2	178.8	264.1	356.6	460.0	573.4	723.0
-27.5°	0.0	3.6	10.0	36.5	94.3	173.3	257.4	346.1	446.9	554.2	696.8
-30°	0.0	3.6	10.2	35.7	90.8	167.0	249.7	334.4	432.7	537.9	668.9
-32.5°	0.0	3.6	10.4	34.7	86.7	160.0	240.9	323.5	417.6	519.0	639.1
-35°	0.0	3.6	10.6	33.3	82.1	152.3	231.3	312.1	401.2	497.7	607.5
-37.5°	0.0	3.6	10.6	31.7	77.0	144.6	221.1	299.5	383.7	473.8	576.2
-40°	0.0	3.6	10.7	29.7	71.5	137.5	210.1	285.8	365.0	451.3	545.3
-42.5°	0.0	3.5	10.6	27.6	67.3	130.0	198.3	270.8	347.0	427.4	512.0
-45°	0.0	3.5	10.5	25.4	64.5	122.0	185.7	255.4	328.6	402.1	477.6
-47.5°	0.0	3.4	10.3	23.0	61.1	113.5	172.5	239.9	308.9	375.4	447.8
-50°	0.0	3.3	10.0	22.1	57.2	104.6	161.4	223.7	287.0	351.0	416.6
-52.5°	0.0	3.2	9.7	21.7	52.9	95.3	150.3	206.7	266.2	325.8	384.6
-55°	0.0	3.0	9.3	21.0	48.0	88.2	138.8	189.5	245.2	300.0	356.2
-57.5°	0.0	2.9	8.9	20.1	42.8	81.1	126.9	175.9	223.5	275.2	327.1
-60°	0.0	2.7	8.4	19.0	37.2	73.2	114.8	160.8	201.8	250.1	298.1
-62.5°	0.0	2.5	7.9	17.6	34.6	64.8	103.7	144.5	181.8	224.3	269.7
-65°	0.0	2.4	7.3	16.1	31.5	55.7	91.8	127.4	160.5	198.5	240.5
-67.5°	0.0	2.2	6.7	14.4	28.2	48.2	79.2	110.6	138.2	171.6	209.1
-70°	0.0	1.9	6.1	12.5	24.5	42.1	65.9	93.3	118.1	143.4	175.7
-72.5°	0.0	1.7	5.4	11.0	20.6	35.7	55.7	75.6	97.7	120.1	142.7
-75°	0.0	1.5	4.7	9.5	16.4	28.8	45.5	60.9	76.9	96.4	116.2
-77.5°	0.0	1.3	4.0	8.0	13.5	21.6	34.8	47.1	59.8	73.5	89.2
-80°	0.0	1.0	3.2	6.5	10.9	16.5	23.8	33.0	42.8	53.4	64.9
-82.5°	0.0	0.8	2.4	4.9	8.3	12.4	17.5	21.1	25.5	33.1	41.2
-85°	0.0	0.5	1.6	3.3	5.5	8.3	11.7	14.1	16.7	19.3	22.0
-87.5°	0.0	0.3	0.8	1.6	2.8	4.2	5.9	7.1	8.3	9.7	11.0
-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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 CATALOG NUMBER: GFLD-SA2E-727-U-LAM-VSR-XX

**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°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
85°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.9	1.1	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	1.3	1.4	1.2	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.8
67.5°	1.6	1.4	1.2	1.1	1.1	1.3	1.2	1.0	0.8	0.8	0.8
65°	1.7	1.5	2.1	2.4	1.8	1.5	1.3	1.1	1.1	1.2	1.2
62.5°	2.5	3.2	4.0	7.1	5.3	1.6	2.8	3.3	2.4	2.0	2.1
60°	8.2	5.6	16.6	23.8	14.9	5.4	6.6	22.0	19.1	3.5	11.9
57.5°	17.3	23.7	43.7	44.5	30.8	21.2	61.8	71.4	54.0	31.6	48.2
55°	38.1	58.5	72.5	67.1	73.3	111.0	131.9	118.5	99.8	153.5	196.0
52.5°	74.4	95.3	100.0	114.8	164.3	188.8	181.0	193.5	251.0	311.6	324.8
50°	109.8	126.9	140.2	202.7	241.5	243.9	261.9	318.8	395.4	432.6	423.6
47.5°	144.1	161.7	223.7	283.8	301.2	325.0	370.0	479.8	561.0	562.6	553.4
45°	180.3	227.5	306.6	345.7	374.0	420.1	528.8	680.3	688.2	710.2	845.6
42.5°	219.0	301.7	370.7	411.5	457.1	543.2	688.2	787.6	821.8	918.2	1027.0
40°	281.8	373.5	433.7	485.8	544.5	670.1	828.9	922.1	949.9	1033.3	1115.1
37.5°	345.4	433.4	500.9	563.8	645.1	814.6	998.3	1075.2	1089.2	1104.4	1285.8
35°	406.8	494.8	575.6	657.9	757.6	1001.6	1162.2	1234.5	1232.2	1335.2	1525.1
32.5°	464.1	557.6	653.0	763.0	927.5	1177.5	1338.2	1381.5	1447.0	1596.9	1856.1
30°	521.3	627.6	737.2	868.2	1076.6	1293.3	1476.8	1546.4	1658.7	1829.7	2018.4
27.5°	580.3	699.4	831.9	985.4	1194.3	1393.5	1550.3	1716.4	1825.6	1978.8	2113.1
25°	639.0	775.4	925.4	1087.9	1278.5	1464.1	1626.2	1818.1	1935.3	2058.9	2184.1
22.5°	700.6	852.5	1021.9	1169.1	1349.4	1524.2	1717.1	1925.2	2077.7	2156.2	2240.2
20°	765.0	935.9	1116.6	1279.7	1419.4	1579.9	1808.3	2061.2	2258.0	2346.4	2357.9
17.5°	828.4	1016.7	1211.0	1387.5	1538.2	1681.1	1904.1	2224.2	2468.9	2551.0	2587.5
15°	890.3	1094.4	1304.8	1492.5	1657.9	1832.6	2070.7	2396.3	2676.0	2766.9	2824.3
12.5°	950.0	1168.5	1397.2	1594.0	1777.7	1973.7	2222.1	2520.1	2775.4	2951.2	3056.6
10°	1006.9	1238.5	1486.8	1691.4	1896.1	2104.5	2347.3	2612.3	2820.2	2989.7	3139.4
7.5°	1035.6	1284.2	1563.8	1784.1	2011.6	2225.4	2449.8	2677.3	2852.4	3018.7	3163.4
5°	1055.1	1303.0	1587.9	1816.4	2072.9	2306.0	2523.9	2720.0	2873.4	3038.3	3179.6
2.5°	1069.1	1315.2	1604.2	1834.1	2096.0	2330.8	2545.3	2734.3	2890.8	3052.3	3197.0
0°	1077.5	1321.0	1612.5	1845.0	2110.4	2347.1	2557.7	2739.7	2902.3	3059.0	3214.8
-2.5°	1082.3	1338.7	1618.0	1873.0	2124.3	2361.2	2575.1	2752.7	2922.6	3071.7	3228.0
-5°	1081.7	1349.2	1616.6	1891.8	2130.9	2366.6	2583.8	2758.6	2933.6	3081.3	3233.3
-7.5°	1075.8	1351.6	1609.3	1897.7	2131.2	2364.8	2579.9	2761.4	2933.4	3090.0	3233.8
-10°	1065.4	1342.1	1602.5	1882.4	2123.1	2355.2	2568.3	2755.2	2926.6	3088.2	3231.0
-12.5°	1053.0	1322.4	1588.5	1860.5	2106.5	2337.3	2550.6	2739.4	2913.8	3075.0	3224.6
-15°	1034.4	1296.2	1565.4	1832.7	2081.2	2311.2	2527.7	2713.7	2894.0	3051.9	3205.5
-17.5°	1009.5	1263.7	1532.9	1799.6	2047.2	2277.3	2498.2	2679.7	2859.2	3022.3	3170.5
-20°	978.2	1225.3	1490.7	1762.0	2003.9	2231.6	2445.7	2635.7	2814.0	2980.0	3135.7



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	940.2	1181.0	1439.9	1711.3	1949.9	2175.1	2386.6	2579.7	2764.4	2924.9	3090.8
-25°	902.2	1134.3	1383.7	1641.2	1887.2	2111.4	2323.6	2511.7	2700.5	2867.5	3025.1
-27.5°	865.8	1080.1	1318.6	1563.9	1816.2	2039.3	2249.5	2437.8	2621.1	2803.7	2955.4
-30°	825.0	1017.3	1247.1	1481.5	1727.4	1954.6	2166.4	2361.7	2536.2	2716.4	2879.3
-32.5°	779.9	950.8	1171.7	1397.1	1629.0	1861.1	2071.0	2265.1	2446.6	2617.1	2788.0
-35°	735.9	897.1	1091.7	1306.5	1524.7	1752.5	1962.5	2154.7	2343.1	2511.9	2675.4
-37.5°	696.2	838.9	1006.7	1211.9	1420.4	1635.9	1849.5	2035.5	2214.8	2400.5	2559.8
-40°	653.3	776.4	933.1	1114.5	1311.0	1515.9	1720.4	1912.9	2081.4	2264.9	2440.2
-42.5°	608.4	725.5	860.5	1011.3	1196.9	1390.0	1587.4	1775.7	1950.7	2123.8	2297.5
-45°	569.1	671.6	786.6	924.4	1075.5	1257.2	1444.1	1631.8	1799.7	1964.6	2136.2
-47.5°	527.2	617.5	723.8	833.9	965.2	1117.1	1292.8	1465.9	1637.8	1794.8	1946.6
-50°	485.5	568.7	656.1	755.2	863.6	986.7	1132.7	1293.6	1450.6	1611.8	1762.1
-52.5°	449.6	517.5	596.4	679.1	771.9	873.8	990.7	1122.9	1265.6	1402.4	1552.4
-55°	412.3	473.5	537.3	610.1	687.2	773.2	869.1	980.2	1089.1	1215.6	1338.0
-57.5°	378.3	429.9	484.3	544.4	611.4	680.2	764.0	850.5	949.3	1047.6	1144.6
-60°	346.3	388.4	434.6	485.5	539.4	600.6	663.1	737.3	817.0	895.4	977.7
-62.5°	314.0	349.5	387.0	429.3	476.3	522.6	576.0	633.1	691.7	758.2	823.1
-65°	280.7	309.4	341.3	376.4	413.9	453.3	494.3	536.7	586.5	635.2	682.4
-67.5°	245.4	270.0	295.8	323.4	354.9	385.8	416.7	452.5	489.2	525.3	562.6
-70°	206.4	229.5	251.0	273.4	296.8	321.0	347.4	373.6	399.5	426.5	456.5
-72.5°	166.6	187.9	206.8	223.4	242.6	262.7	282.0	300.4	319.9	340.4	360.7
-75°	132.9	147.0	163.9	179.3	194.5	208.7	221.4	237.0	253.3	268.2	280.5
-77.5°	103.7	116.5	128.1	138.4	150.6	164.8	177.2	187.8	198.1	209.4	221.4
-80°	75.4	86.0	96.6	106.1	113.1	121.2	130.7	141.6	151.0	158.7	165.6
-82.5°	48.7	56.4	64.2	72.2	75.4	77.6	79.7	83.5	89.3	95.1	100.6
-85°	24.3	26.5	31.3	36.2	37.9	39.0	39.9	40.3	42.3	44.1	45.7
-87.5°	12.2	13.3	14.4	15.5	14.9	14.1	13.1	11.9	11.6	11.3	10.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-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°	0.7	0.7	0.7	0.7	0.7	0.6	0.4	0.2	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.4
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.5
65°	1.2	1.1	1.2	1.2	1.0	1.0	1.0	1.0	0.9	0.7	0.5
62.5°	2.1	2.4	1.9	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.5
60°	13.2	7.8	4.6	5.3	4.8	3.2	4.0	4.7	4.8	4.4	3.9
57.5°	73.2	54.7	40.5	96.7	97.0	46.3	55.8	87.6	72.2	23.7	22.0
55°	203.7	243.6	320.7	304.6	309.5	356.0	388.7	344.1	337.4	359.5	415.3
52.5°	366.0	404.1	430.0	454.2	483.7	515.4	548.0	568.8	588.2	608.9	621.3
50°	467.4	521.0	557.9	544.3	620.6	651.8	620.1	648.5	683.1	692.5	697.0
47.5°	690.1	768.8	784.4	835.1	880.6	879.6	841.0	843.2	946.1	1036.9	1081.5
45°	991.8	994.4	1043.9	1133.4	1197.4	1177.2	1231.3	1354.0	1394.9	1434.4	1466.8
42.5°	1109.3	1158.0	1236.9	1316.0	1363.7	1405.1	1445.1	1490.2	1543.3	1586.3	1620.7
40°	1223.1	1262.3	1343.1	1406.9	1446.4	1485.0	1531.6	1581.6	1630.2	1668.0	1693.8
37.5°	1398.2	1428.7	1448.3	1507.5	1582.2	1547.7	1636.1	1699.5	1728.4	1766.9	1770.3
35°	1663.2	1643.0	1616.7	1852.3	1866.4	1786.9	1869.5	1967.7	1916.0	2023.8	2081.8
32.5°	1898.1	1895.1	2100.7	2224.5	2153.3	2211.4	2402.0	2393.5	2520.5	2579.4	2562.7
30°	2119.4	2194.9	2313.8	2406.1	2418.4	2510.1	2594.7	2668.8	2745.5	2814.2	2819.0
27.5°	2231.8	2330.3	2411.1	2464.4	2524.0	2601.1	2677.9	2761.4	2826.6	2869.7	2880.2
25°	2299.7	2400.4	2461.6	2519.0	2584.7	2651.3	2737.3	2828.2	2880.6	2907.2	2915.6
22.5°	2359.7	2450.2	2515.9	2562.4	2633.2	2704.8	2785.0	2861.9	2918.9	2930.5	2934.7
20°	2417.4	2504.3	2614.0	2682.6	2679.2	2759.9	2837.1	2898.3	2945.8	2945.5	2946.6
17.5°	2584.2	2615.3	2814.4	2965.5	2890.7	2851.2	3063.6	3067.7	3080.3	3055.2	3000.9
15°	2831.2	2887.7	3132.4	3296.3	3244.6	3241.9	3548.8	3472.7	3538.2	3521.1	3594.8
12.5°	3092.9	3159.8	3342.6	3503.6	3580.2	3599.0	3701.6	3797.6	3817.3	3809.5	3795.1
10°	3271.2	3366.4	3439.9	3537.6	3614.9	3693.8	3753.2	3822.2	3844.7	3831.7	3813.2
7.5°	3294.4	3388.6	3474.7	3560.5	3634.1	3697.7	3759.3	3815.4	3838.4	3830.9	3818.2
5°	3309.1	3394.4	3478.0	3565.0	3635.4	3694.3	3755.7	3812.6	3826.2	3817.0	3804.7
2.5°	3318.3	3397.2	3477.7	3564.3	3628.3	3684.4	3746.5	3807.2	3807.1	3803.1	3795.9
0°	3322.7	3401.9	3495.4	3573.7	3645.3	3698.4	3759.9	3818.9	3814.7	3803.7	3791.1
-2.5°	3332.2	3412.4	3507.8	3572.7	3653.4	3702.1	3765.6	3816.7	3814.8	3809.4	3803.1
-5°	3340.6	3430.8	3520.1	3588.4	3669.3	3732.9	3796.0	3836.0	3838.1	3830.6	3820.1
-7.5°	3345.7	3445.8	3530.9	3599.5	3678.0	3751.9	3816.0	3857.9	3858.9	3848.9	3836.3
-10°	3344.0	3449.6	3537.3	3608.2	3688.6	3761.5	3828.5	3881.7	3880.0	3870.5	3859.7
-12.5°	3337.7	3443.2	3533.2	3604.3	3695.6	3770.7	3846.1	3899.0	3901.8	3894.6	3883.0
-15°	3323.8	3432.7	3520.3	3597.9	3687.4	3775.3	3852.7	3911.0	3921.4	3915.6	3906.4
-17.5°	3296.4	3411.3	3504.2	3587.9	3673.7	3767.3	3855.4	3919.2	3933.4	3931.1	3923.5
-20°	3260.3	3378.9	3473.2	3560.9	3654.3	3750.8	3853.2	3911.5	3932.2	3933.5	3928.3



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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°	3219.9	3336.0	3436.0	3522.1	3623.5	3721.1	3814.0	3882.2	3916.9	3923.3	3923.7
-25°	3171.3	3290.7	3390.0	3481.8	3576.0	3676.9	3770.7	3846.9	3882.0	3898.8	3904.0
-27.5°	3102.8	3226.1	3323.9	3420.9	3516.8	3620.9	3719.5	3802.4	3830.9	3854.0	3863.3
-30°	3022.5	3144.4	3244.1	3332.8	3442.5	3548.7	3650.4	3722.7	3765.8	3792.2	3806.7
-32.5°	2930.1	3053.2	3157.9	3250.5	3354.7	3460.9	3556.6	3632.8	3692.3	3722.8	3738.2
-35°	2830.0	2955.7	3065.2	3162.8	3260.9	3362.1	3461.3	3541.0	3608.7	3634.9	3654.3
-37.5°	2709.2	2847.9	2960.2	3060.8	3154.0	3249.2	3352.5	3443.6	3509.4	3534.8	3555.2
-40°	2585.4	2719.4	2832.7	2939.9	3032.1	3136.0	3235.5	3331.1	3388.2	3417.8	3440.9
-42.5°	2454.6	2575.7	2683.4	2787.6	2890.3	2997.2	3096.7	3196.0	3245.3	3281.0	3309.3
-45°	2303.7	2416.3	2521.0	2618.6	2724.4	2829.5	2929.0	3016.8	3075.5	3122.0	3158.1
-47.5°	2102.5	2239.7	2344.8	2437.6	2542.5	2643.9	2740.3	2822.8	2887.3	2941.6	2983.6
-50°	1898.1	2029.8	2148.3	2252.6	2349.9	2443.7	2535.5	2616.2	2684.4	2743.3	2785.8
-52.5°	1696.8	1820.2	1937.8	2045.4	2139.0	2227.6	2311.5	2392.7	2464.6	2527.6	2568.8
-55°	1469.4	1597.2	1713.6	1813.9	1907.4	1995.0	2077.9	2154.9	2225.6	2289.8	2329.2
-57.5°	1256.0	1368.1	1476.4	1569.1	1657.3	1740.7	1819.3	1893.0	1961.1	2021.5	2059.5
-60°	1059.9	1141.6	1234.8	1320.4	1398.6	1469.6	1542.9	1611.7	1674.2	1727.3	1762.7
-62.5°	886.6	954.3	1021.6	1086.6	1150.1	1213.8	1275.2	1332.2	1384.5	1428.0	1459.0
-65°	732.1	786.6	835.2	881.3	925.3	975.6	1022.2	1066.1	1106.8	1140.1	1163.7
-67.5°	602.9	641.1	674.8	706.4	741.0	776.6	809.9	838.9	863.8	883.5	899.1
-70°	486.1	514.3	539.7	564.9	590.2	613.3	635.3	656.7	677.0	693.5	705.9
-72.5°	380.7	399.9	417.2	436.7	454.9	472.4	487.7	500.0	509.5	518.8	527.0
-75°	290.2	304.7	324.2	340.7	354.3	366.3	377.3	387.1	395.7	403.4	410.1
-77.5°	233.5	245.7	258.1	270.2	281.8	290.4	298.4	306.4	314.3	321.0	327.0
-80°	173.0	182.2	191.8	201.4	211.0	215.8	219.6	223.1	226.2	230.3	234.0
-82.5°	105.8	111.0	116.3	121.7	127.1	128.5	128.9	128.8	128.1	126.6	124.4
-85°	47.1	47.4	47.2	46.7	45.8	43.9	41.6	39.0	36.0	35.6	35.0
-87.5°	10.3	10.1	9.8	9.5	9.2	9.1	9.1	9.1	9.0	9.3	9.6
-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):**

	-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	0.2
85°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.7	0.7
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.4	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.4	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.3	0.1	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.8	0.8
65°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.7	0.9	1.0
62.5°	1.6	1.6	1.7	1.7	1.7	1.6	1.6	1.5	1.4	1.5	1.6
60°	3.1	2.0	1.7	1.7	1.7	2.0	3.1	3.9	4.4	4.8	4.7
57.5°	18.6	13.9	11.8	11.0	11.8	13.9	18.6	22.0	23.7	72.2	87.6
55°	455.3	478.5	495.8	503.8	495.8	478.5	455.3	415.3	359.5	337.4	344.1
52.5°	632.2	642.3	648.1	647.9	648.1	642.3	632.2	621.3	608.9	588.2	568.8
50°	704.6	709.5	711.3	710.2	711.3	709.5	704.6	697.0	692.5	683.1	648.5
47.5°	1040.8	950.7	884.5	868.6	884.5	950.7	1040.8	1081.5	1036.9	946.1	843.2
45°	1482.3	1516.5	1550.5	1561.1	1550.5	1516.5	1482.3	1466.8	1434.4	1394.9	1354.0
42.5°	1635.2	1646.3	1652.6	1652.9	1652.6	1646.3	1635.2	1620.7	1586.3	1543.3	1490.2
40°	1708.2	1718.7	1724.8	1725.4	1724.8	1718.7	1708.2	1693.8	1668.0	1630.2	1581.6
37.5°	1774.5	1783.4	1789.3	1795.3	1789.3	1783.4	1774.5	1770.3	1766.9	1728.4	1699.5
35°	2074.0	2006.1	1908.6	1923.3	1908.6	2006.1	2074.0	2081.8	2023.8	1916.0	1967.7
32.5°	2588.9	2617.4	2635.2	2665.6	2635.2	2617.4	2588.9	2562.7	2579.4	2520.5	2393.5
30°	2826.5	2835.9	2850.2	2865.2	2850.2	2835.9	2826.5	2819.0	2814.2	2745.5	2668.8
27.5°	2885.8	2895.5	2904.2	2910.7	2904.2	2895.5	2885.8	2880.2	2869.7	2826.6	2761.4
25°	2916.8	2922.9	2932.1	2940.2	2932.1	2922.9	2916.8	2915.6	2907.2	2880.6	2828.2
22.5°	2932.2	2932.9	2940.1	2950.3	2940.1	2932.9	2932.2	2934.7	2930.5	2918.9	2861.9
20°	2942.8	2937.1	2944.5	2951.1	2944.5	2937.1	2942.8	2946.6	2945.5	2945.8	2898.3
17.5°	3077.5	3000.7	2969.1	2969.7	2969.1	3000.7	3077.5	3000.9	3055.2	3080.3	3067.7
15°	3512.0	3540.8	3651.3	3711.0	3651.3	3540.8	3512.0	3594.8	3521.1	3538.2	3472.7
12.5°	3792.4	3782.1	3769.0	3786.9	3769.0	3782.1	3792.4	3795.1	3809.5	3817.3	3797.6
10°	3805.3	3804.2	3780.8	3806.2	3780.8	3804.2	3805.3	3813.2	3831.7	3844.7	3822.2
7.5°	3797.4	3798.1	3788.1	3813.0	3788.1	3798.1	3797.4	3818.2	3830.9	3838.4	3815.4
5°	3802.7	3785.6	3792.0	3806.2	3792.0	3785.6	3802.7	3804.7	3817.0	3826.2	3812.6
2.5°	3788.0	3786.2	3773.5	3783.5	3773.5	3786.2	3788.0	3795.9	3803.1	3807.1	3807.2
0°	3776.8	3767.5	3767.5	3775.9	3767.5	3767.5	3776.8	3791.1	3803.7	3814.7	3818.9
-2.5°	3796.7	3794.7	3793.5	3787.7	3793.5	3794.7	3796.7	3803.1	3809.4	3814.8	3816.7
-5°	3813.1	3808.1	3794.3	3813.0	3794.3	3808.1	3813.1	3820.1	3830.6	3838.1	3836.0
-7.5°	3830.7	3817.9	3804.8	3834.0	3804.8	3817.9	3830.7	3836.3	3848.9	3858.9	3857.9
-10°	3846.8	3828.3	3815.5	3844.2	3815.5	3828.3	3846.8	3859.7	3870.5	3880.0	3881.7
-12.5°	3868.0	3846.4	3837.9	3853.4	3837.9	3846.4	3868.0	3883.0	3894.6	3901.8	3899.0
-15°	3890.7	3875.8	3873.8	3882.9	3873.8	3875.8	3890.7	3906.4	3915.6	3921.4	3911.0
-17.5°	3910.7	3900.1	3905.3	3915.8	3905.3	3900.1	3910.7	3923.5	3931.1	3933.4	3919.2
-20°	3920.2	3914.3	3920.2	3946.1	3920.2	3914.3	3920.2	3928.3	3933.5	3932.2	3911.5



REPORT NUMBER: P645393 (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°	3919.3	3919.7	3930.0	3938.5	3930.0	3919.7	3919.3	3923.7	3923.3	3916.9	3882.2
-25°	3904.4	3912.3	3924.1	3941.0	3924.1	3912.3	3904.4	3904.0	3898.8	3882.0	3846.9
-27.5°	3868.3	3881.4	3893.8	3911.6	3893.8	3881.4	3868.3	3863.3	3854.0	3830.9	3802.4
-30°	3816.2	3831.8	3842.8	3861.8	3842.8	3831.8	3816.2	3806.7	3792.2	3765.8	3722.7
-32.5°	3752.7	3770.3	3783.4	3797.0	3783.4	3770.3	3752.7	3738.2	3722.8	3692.3	3632.8
-35°	3673.4	3692.4	3706.2	3718.6	3706.2	3692.4	3673.4	3654.3	3634.9	3608.7	3541.0
-37.5°	3578.1	3598.5	3614.3	3628.5	3614.3	3598.5	3578.1	3555.2	3534.8	3509.4	3443.6
-40°	3467.0	3488.0	3504.8	3520.7	3504.8	3488.0	3467.0	3440.9	3417.8	3388.2	3331.1
-42.5°	3337.2	3358.4	3375.8	3391.8	3375.8	3358.4	3337.2	3309.3	3281.0	3245.3	3196.0
-45°	3187.2	3209.0	3227.4	3244.3	3227.4	3209.0	3187.2	3158.1	3122.0	3075.5	3016.8
-47.5°	3014.6	3037.9	3053.6	3061.5	3053.6	3037.9	3014.6	2983.6	2941.6	2887.3	2822.8
-50°	2816.6	2839.9	2858.8	2872.8	2858.8	2839.9	2816.6	2785.8	2743.3	2684.4	2616.2
-52.5°	2598.8	2621.0	2637.2	2647.0	2637.2	2621.0	2598.8	2568.8	2527.6	2464.6	2392.7
-55°	2360.2	2383.4	2398.9	2406.1	2398.9	2383.4	2360.2	2329.2	2289.8	2225.6	2154.9
-57.5°	2089.6	2111.7	2128.1	2137.3	2128.1	2111.7	2089.6	2059.5	2021.5	1961.1	1893.0
-60°	1790.3	1810.0	1822.4	1827.3	1822.4	1810.0	1790.3	1762.7	1727.3	1674.2	1611.7
-62.5°	1484.1	1502.8	1514.5	1519.0	1514.5	1502.8	1484.1	1459.0	1428.0	1384.5	1332.2
-65°	1181.4	1193.1	1199.6	1200.5	1199.6	1193.1	1181.4	1163.7	1140.1	1106.8	1066.1
-67.5°	911.4	920.4	925.8	927.6	925.8	920.4	911.4	899.1	883.5	863.8	838.9
-70°	715.1	721.3	724.7	725.4	724.7	721.3	715.1	705.9	693.5	677.0	656.7
-72.5°	533.2	537.6	536.0	532.4	536.0	537.6	533.2	527.0	518.8	509.5	500.0
-75°	415.9	420.8	418.7	415.3	418.7	420.8	415.9	410.1	403.4	395.7	387.1
-77.5°	332.3	336.7	334.5	331.1	334.5	336.7	332.3	327.0	321.0	314.3	306.4
-80°	237.3	239.9	241.7	242.6	241.7	239.9	237.3	234.0	230.3	226.2	223.1
-82.5°	121.5	117.9	115.6	112.9	115.6	117.9	121.5	124.4	126.6	128.1	128.8
-85°	34.3	33.5	34.1	34.5	34.1	33.5	34.3	35.0	35.6	36.0	39.0
-87.5°	9.8	10.1	10.1	10.1	10.1	10.1	9.8	9.6	9.3	9.0	9.1
-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°	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	1.0
65°	1.0	1.0	1.0	1.2	1.2	1.1	1.2	1.2	1.2	1.1	1.1
62.5°	1.7	1.8	1.8	1.9	1.9	2.4	2.1	2.1	2.0	2.4	3.3
60°	4.0	3.2	4.8	5.3	4.6	7.8	13.2	11.9	3.5	19.1	22.0
57.5°	55.8	46.3	97.0	96.7	40.5	54.7	73.2	48.2	31.6	54.0	71.4
55°	388.7	356.0	309.5	304.6	320.7	243.6	203.7	196.0	153.5	99.8	118.5
52.5°	548.0	515.4	483.7	454.2	430.0	404.1	366.0	324.8	311.6	251.0	193.5
50°	620.1	651.8	620.6	544.3	557.9	521.0	467.4	423.6	432.6	395.4	318.8
47.5°	841.0	879.6	880.6	835.1	784.4	768.8	690.1	553.4	562.6	561.0	479.8
45°	1231.3	1177.2	1197.4	1133.4	1043.9	994.4	991.8	845.6	710.2	688.2	680.3
42.5°	1445.1	1405.1	1363.7	1316.0	1236.9	1158.0	1109.3	1027.0	918.2	821.8	787.6
40°	1531.6	1485.0	1446.4	1406.9	1343.1	1262.3	1223.1	1115.1	1033.3	949.9	922.1
37.5°	1636.1	1547.7	1582.2	1507.5	1448.3	1428.7	1398.2	1285.8	1104.4	1089.2	1075.2
35°	1869.5	1786.9	1866.4	1852.3	1616.7	1643.0	1663.2	1525.1	1335.2	1232.2	1234.5
32.5°	2402.0	2211.4	2153.3	2224.5	2100.7	1895.1	1898.1	1856.1	1596.9	1447.0	1381.5
30°	2594.7	2510.1	2418.4	2406.1	2313.8	2194.9	2119.4	2018.4	1829.7	1658.7	1546.4
27.5°	2677.9	2601.1	2524.0	2464.4	2411.1	2330.3	2231.8	2113.1	1978.8	1825.6	1716.4
25°	2737.3	2651.3	2584.7	2519.0	2461.6	2400.4	2299.7	2184.1	2058.9	1935.3	1818.1
22.5°	2785.0	2704.8	2633.2	2562.4	2515.9	2450.2	2359.7	2240.2	2156.2	2077.7	1925.2
20°	2837.1	2759.9	2679.2	2682.6	2614.0	2504.3	2417.4	2357.9	2346.4	2258.0	2061.2
17.5°	3063.6	2851.2	2890.7	2965.5	2814.4	2615.3	2584.2	2587.5	2551.0	2468.9	2224.2
15°	3548.8	3241.9	3244.6	3296.3	3132.4	2887.7	2831.2	2824.3	2766.9	2676.0	2396.3
12.5°	3701.6	3599.0	3580.2	3503.6	3342.6	3159.8	3092.9	3056.6	2951.2	2775.4	2520.1
10°	3753.2	3693.8	3614.9	3537.6	3439.9	3366.4	3271.2	3139.4	2989.7	2820.2	2612.3
7.5°	3759.3	3697.7	3634.1	3560.5	3474.7	3388.6	3294.4	3163.4	3018.7	2852.4	2677.3
5°	3755.7	3694.3	3635.4	3565.0	3478.0	3394.4	3309.1	3179.6	3038.3	2873.4	2720.0
2.5°	3746.5	3684.4	3628.3	3564.3	3477.7	3397.2	3318.3	3197.0	3052.3	2890.8	2734.3
0°	3759.9	3698.4	3645.3	3573.7	3495.4	3401.9	3322.7	3214.8	3059.0	2902.3	2739.7
-2.5°	3765.6	3702.1	3653.4	3572.7	3507.8	3412.4	3332.2	3228.0	3071.7	2922.6	2752.7
-5°	3796.0	3732.9	3669.3	3588.4	3520.1	3430.8	3340.6	3233.3	3081.3	2933.6	2758.6
-7.5°	3816.0	3751.9	3678.0	3599.5	3530.9	3445.8	3345.7	3233.8	3090.0	2933.4	2761.4
-10°	3828.5	3761.5	3688.6	3608.2	3537.3	3449.6	3344.0	3231.0	3088.2	2926.6	2755.2
-12.5°	3846.1	3770.7	3695.6	3604.3	3533.2	3443.2	3337.7	3224.6	3075.0	2913.8	2739.4
-15°	3852.7	3775.3	3687.4	3597.9	3520.3	3432.7	3323.8	3205.5	3051.9	2894.0	2713.7
-17.5°	3855.4	3767.3	3673.7	3587.9	3504.2	3411.3	3296.4	3170.5	3022.3	2859.2	2679.7
-20°	3853.2	3750.8	3654.3	3560.9	3473.2	3378.9	3260.3	3135.7	2980.0	2814.0	2635.7



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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°	3814.0	3721.1	3623.5	3522.1	3436.0	3336.0	3219.9	3090.8	2924.9	2764.4	2579.7
-25°	3770.7	3676.9	3576.0	3481.8	3390.0	3290.7	3171.3	3025.1	2867.5	2700.5	2511.7
-27.5°	3719.5	3620.9	3516.8	3420.9	3323.9	3226.1	3102.8	2955.4	2803.7	2621.1	2437.8
-30°	3650.4	3548.7	3442.5	3332.8	3244.1	3144.4	3022.5	2879.3	2716.4	2536.2	2361.7
-32.5°	3556.6	3460.9	3354.7	3250.5	3157.9	3053.2	2930.1	2788.0	2617.1	2446.6	2265.1
-35°	3461.3	3362.1	3260.9	3162.8	3065.2	2955.7	2830.0	2675.4	2511.9	2343.1	2154.7
-37.5°	3352.5	3249.2	3154.0	3060.8	2960.2	2847.9	2709.2	2559.8	2400.5	2214.8	2035.5
-40°	3235.5	3136.0	3032.1	2939.9	2832.7	2719.4	2585.4	2440.2	2264.9	2081.4	1912.9
-42.5°	3096.7	2997.2	2890.3	2787.6	2683.4	2575.7	2454.6	2297.5	2123.8	1950.7	1775.7
-45°	2929.0	2829.5	2724.4	2618.6	2521.0	2416.3	2303.7	2136.2	1964.6	1799.7	1631.8
-47.5°	2740.3	2643.9	2542.5	2437.6	2344.8	2239.7	2102.5	1946.6	1794.8	1637.8	1465.9
-50°	2535.5	2443.7	2349.9	2252.6	2148.3	2029.8	1898.1	1762.1	1611.8	1450.6	1293.6
-52.5°	2311.5	2227.6	2139.0	2045.4	1937.8	1820.2	1696.8	1552.4	1402.4	1265.6	1122.9
-55°	2077.9	1995.0	1907.4	1813.9	1713.6	1597.2	1469.4	1338.0	1215.6	1089.1	980.2
-57.5°	1819.3	1740.7	1657.3	1569.1	1476.4	1368.1	1256.0	1144.6	1047.6	949.3	850.5
-60°	1542.9	1469.6	1398.6	1320.4	1234.8	1141.6	1059.9	977.7	895.4	817.0	737.3
-62.5°	1275.2	1213.8	1150.1	1086.6	1021.6	954.3	886.6	823.1	758.2	691.7	633.1
-65°	1022.2	975.6	925.3	881.3	835.2	786.6	732.1	682.4	635.2	586.5	536.7
-67.5°	809.9	776.6	741.0	706.4	674.8	641.1	602.9	562.6	525.3	489.2	452.5
-70°	635.3	613.3	590.2	564.9	539.7	514.3	486.1	456.5	426.5	399.5	373.6
-72.5°	487.7	472.4	454.9	436.7	417.2	399.9	380.7	360.7	340.4	319.9	300.4
-75°	377.3	366.3	354.3	340.7	324.2	304.7	290.2	280.5	268.2	253.3	237.0
-77.5°	298.4	290.4	281.8	270.2	258.1	245.7	233.5	221.4	209.4	198.1	187.8
-80°	219.6	215.8	211.0	201.4	191.8	182.2	173.0	165.6	158.7	151.0	141.6
-82.5°	128.9	128.5	127.1	121.7	116.3	111.0	105.8	100.6	95.1	89.3	83.5
-85°	41.6	43.9	45.8	46.7	47.2	47.4	47.1	45.7	44.1	42.3	40.3
-87.5°	9.1	9.1	9.2	9.5	9.8	10.1	10.3	10.8	11.3	11.6	11.9
-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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 CATALOG NUMBER: GFLD-SA2E-727-U-LAM-VSR-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°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.9	0.9
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.3	1.3
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.3	1.5
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.3	1.5
75°	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.9	1.1	1.3	1.5
72.5°	0.8	0.8	0.8	0.9	1.0	1.1	0.9	0.9	1.1	1.3	1.5
70°	0.9	0.8	0.8	0.9	1.2	1.4	1.3	1.3	1.2	1.4	1.6
67.5°	1.2	1.3	1.1	1.1	1.2	1.4	1.6	1.9	1.9	1.4	1.6
65°	1.3	1.5	1.8	2.4	2.1	1.5	1.7	3.3	2.6	2.2	1.6
62.5°	2.8	1.6	5.3	7.1	4.0	3.2	2.5	7.4	4.6	3.1	2.3
60°	6.6	5.4	14.9	23.8	16.6	5.6	8.2	12.8	11.7	4.1	3.2
57.5°	61.8	21.2	30.8	44.5	43.7	23.7	17.3	23.1	19.9	11.5	4.5
55°	131.9	111.0	73.3	67.1	72.5	58.5	38.1	37.4	30.7	21.3	7.3
52.5°	181.0	188.8	164.3	114.8	100.0	95.3	74.4	54.2	48.1	31.9	18.5
50°	261.9	243.9	241.5	202.7	140.2	126.9	109.8	84.7	67.5	45.6	31.2
47.5°	370.0	325.0	301.2	283.8	223.7	161.7	144.1	115.8	88.9	65.7	44.5
45°	528.8	420.1	374.0	345.7	306.6	227.5	180.3	146.0	115.9	88.2	58.5
42.5°	688.2	543.2	457.1	411.5	370.7	301.7	219.0	180.9	142.2	111.1	76.2
40°	828.9	670.1	544.5	485.8	433.7	373.5	281.8	218.2	167.9	134.7	96.3
37.5°	998.3	814.6	645.1	563.8	500.9	433.4	345.4	257.2	198.9	159.4	116.5
35°	1162.2	1001.6	757.6	657.9	575.6	494.8	406.8	303.2	237.0	184.6	136.7
32.5°	1338.2	1177.5	927.5	763.0	653.0	557.6	464.1	359.2	275.2	210.0	156.8
30°	1476.8	1293.3	1076.6	868.2	737.2	627.6	521.3	413.0	313.6	235.7	177.1
27.5°	1550.3	1393.5	1194.3	985.4	831.9	699.4	580.3	464.3	351.9	263.9	198.2
25°	1626.2	1464.1	1278.5	1087.9	925.4	775.4	639.0	513.3	393.7	295.7	219.1
22.5°	1717.1	1524.2	1349.4	1169.1	1021.9	852.5	700.6	562.9	435.5	326.9	239.7
20°	1808.3	1579.9	1419.4	1279.7	1116.6	935.9	765.0	611.3	475.0	357.3	259.8
17.5°	1904.1	1681.1	1538.2	1387.5	1211.0	1016.7	828.4	658.1	512.0	386.7	279.4
15°	2070.7	1832.6	1657.9	1492.5	1304.8	1094.4	890.3	703.1	546.5	415.0	297.6
12.5°	2222.1	1973.7	1777.7	1594.0	1397.2	1168.5	950.0	745.9	578.5	437.6	313.8
10°	2347.3	2104.5	1896.1	1691.4	1486.8	1238.5	1006.9	780.8	597.7	454.4	328.7
7.5°	2449.8	2225.4	2011.6	1784.1	1563.8	1284.2	1035.6	801.2	612.5	468.7	342.3
5°	2523.9	2306.0	2072.9	1816.4	1587.9	1303.0	1055.1	817.7	624.5	480.6	354.5
2.5°	2545.3	2330.8	2096.0	1834.1	1604.2	1315.2	1069.1	830.4	633.8	490.3	365.4
0°	2557.7	2347.1	2110.4	1845.0	1612.5	1321.0	1077.5	839.1	640.3	497.9	374.9
-2.5°	2575.1	2361.2	2124.3	1873.0	1618.0	1338.7	1082.3	844.8	648.5	500.6	380.4
-5°	2583.8	2366.6	2130.9	1891.8	1616.6	1349.2	1081.7	846.5	653.9	501.6	384.5
-7.5°	2579.9	2364.8	2131.2	1897.7	1609.3	1351.6	1075.8	844.6	656.1	500.9	387.0
-10°	2568.3	2355.2	2123.1	1882.4	1602.5	1342.1	1065.4	839.3	654.8	498.7	387.9
-12.5°	2550.6	2337.3	2106.5	1860.5	1588.5	1322.4	1053.0	830.1	649.5	495.3	387.3
-15°	2527.7	2311.2	2081.2	1832.7	1565.4	1296.2	1034.4	816.7	639.2	491.3	385.0
-17.5°	2498.2	2277.3	2047.2	1799.6	1532.9	1263.7	1009.5	799.3	626.3	486.6	380.4
-20°	2445.7	2231.6	2003.9	1762.0	1490.7	1225.3	978.2	777.9	611.0	479.8	373.8



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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°	2386.6	2175.1	1949.9	1711.3	1439.9	1181.0	940.2	752.4	593.3	470.9	365.8
-25°	2323.6	2111.4	1887.2	1641.2	1383.7	1134.3	902.2	723.0	573.4	460.0	356.6
-27.5°	2249.5	2039.3	1816.2	1563.9	1318.6	1080.1	865.8	696.8	554.2	446.9	346.1
-30°	2166.4	1954.6	1727.4	1481.5	1247.1	1017.3	825.0	668.9	537.9	432.7	334.4
-32.5°	2071.0	1861.1	1629.0	1397.1	1171.7	950.8	779.9	639.1	519.0	417.6	323.5
-35°	1962.5	1752.5	1524.7	1306.5	1091.7	897.1	735.9	607.5	497.7	401.2	312.1
-37.5°	1849.5	1635.9	1420.4	1211.9	1006.7	838.9	696.2	576.2	473.8	383.7	299.5
-40°	1720.4	1515.9	1311.0	1114.5	933.1	776.4	653.3	545.3	451.3	365.0	285.8
-42.5°	1587.4	1390.0	1196.9	1011.3	860.5	725.5	608.4	512.0	427.4	347.0	270.8
-45°	1444.1	1257.2	1075.5	924.4	786.6	671.6	569.1	477.6	402.1	328.6	255.4
-47.5°	1292.8	1117.1	965.2	833.9	723.8	617.5	527.2	447.8	375.4	308.9	239.9
-50°	1132.7	986.7	863.6	755.2	656.1	568.7	485.5	416.6	351.0	287.0	223.7
-52.5°	990.7	873.8	771.9	679.1	596.4	517.5	449.6	384.6	325.8	266.2	206.7
-55°	869.1	773.2	687.2	610.1	537.3	473.5	412.3	356.2	300.0	245.2	189.5
-57.5°	764.0	680.2	611.4	544.4	484.3	429.9	378.3	327.1	275.2	223.5	175.9
-60°	663.1	600.6	539.4	485.5	434.6	388.4	346.3	298.1	250.1	201.8	160.8
-62.5°	576.0	522.6	476.3	429.3	387.0	349.5	314.0	269.7	224.3	181.8	144.5
-65°	494.3	453.3	413.9	376.4	341.3	309.4	280.7	240.5	198.5	160.5	127.4
-67.5°	416.7	385.8	354.9	323.4	295.8	270.0	245.4	209.1	171.6	138.2	110.6
-70°	347.4	321.0	296.8	273.4	251.0	229.5	206.4	175.7	143.4	118.1	93.3
-72.5°	282.0	262.7	242.6	223.4	206.8	187.9	166.6	142.7	120.1	97.7	75.6
-75°	221.4	208.7	194.5	179.3	163.9	147.0	132.9	116.2	96.4	76.9	60.9
-77.5°	177.2	164.8	150.6	138.4	128.1	116.5	103.7	89.2	73.5	59.8	47.1
-80°	130.7	121.2	113.1	106.1	96.6	86.0	75.4	64.9	53.4	42.8	33.0
-82.5°	79.7	77.6	75.4	72.2	64.2	56.4	48.7	41.2	33.1	25.5	21.1
-85°	39.9	39.0	37.9	36.2	31.3	26.5	24.3	22.0	19.3	16.7	14.1
-87.5°	13.1	14.1	14.9	15.5	14.4	13.3	12.2	11.0	9.7	8.3	7.1
-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):**

	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°	0.4	0.4	0.3	0.2	0.1	0.1	0.0
85°	0.9	0.7	0.6	0.4	0.3	0.2	0.0
82.5°	1.3	1.1	0.9	0.7	0.4	0.3	0.0
80°	1.7	1.5	1.2	0.9	0.6	0.4	0.0
77.5°	1.7	1.7	1.5	1.1	0.7	0.5	0.0
75°	1.7	1.8	1.7	1.3	0.9	0.5	0.0
72.5°	1.7	1.8	1.8	1.5	1.0	0.6	0.0
70°	1.8	1.9	1.9	1.7	1.2	0.7	0.0
67.5°	2.0	1.9	1.9	1.8	1.3	0.8	0.0
65°	2.3	2.2	2.0	1.9	1.5	0.9	0.0
62.5°	2.7	2.8	2.1	2.0	1.7	1.0	0.0
60°	3.1	3.4	2.2	2.0	1.8	1.1	0.0
57.5°	5.8	4.1	2.9	2.1	1.9	1.2	0.0
55°	9.2	4.8	3.6	2.2	2.0	1.2	0.0
52.5°	13.2	6.2	4.3	2.3	2.1	1.3	0.0
50°	17.8	10.5	5.1	2.4	2.2	1.4	0.0
47.5°	23.9	15.1	5.9	2.6	2.3	1.5	0.0
45°	36.1	20.1	6.7	3.3	2.4	1.6	0.0
42.5°	48.5	25.4	7.6	3.9	2.5	1.6	0.0
40°	61.2	31.0	10.2	4.7	2.6	1.7	0.0
37.5°	74.2	36.9	14.6	5.7	2.7	1.8	0.0
35°	87.4	45.9	19.1	6.9	2.8	1.9	0.0
32.5°	101.6	56.2	23.6	8.1	2.9	1.9	0.0
30°	118.0	66.5	28.1	9.4	3.0	2.0	0.0
27.5°	134.0	76.7	33.8	10.9	3.1	2.1	0.0
25°	149.6	86.7	39.5	12.4	3.2	2.1	0.0
22.5°	164.8	97.0	45.3	13.9	3.3	2.2	0.0
20°	179.5	107.9	51.0	15.5	3.4	2.2	0.0
17.5°	194.0	118.5	56.6	17.2	3.6	2.3	0.0
15°	207.9	128.8	62.0	18.8	3.7	2.3	0.0
12.5°	220.9	138.5	67.3	20.5	3.8	2.4	0.0
10°	233.0	147.7	72.4	22.1	3.9	2.4	0.0
7.5°	244.1	156.3	77.1	23.6	4.0	2.4	0.0
5°	254.2	164.2	81.6	25.1	4.0	2.5	0.0
2.5°	263.3	171.4	85.7	26.5	4.1	2.5	0.0
0°	271.3	177.8	89.3	27.8	4.2	2.5	0.0
-2.5°	275.3	181.8	92.7	29.6	4.9	2.6	0.0
-5°	278.2	185.0	95.6	31.3	5.5	2.8	0.0
-7.5°	280.0	187.4	97.9	32.8	6.1	2.9	0.0
-10°	280.9	188.8	99.7	34.0	6.7	3.0	0.0
-12.5°	280.7	189.4	100.9	35.1	7.3	3.2	0.0
-15°	279.6	189.1	101.5	36.0	7.9	3.3	0.0
-17.5°	277.6	188.0	101.4	36.6	8.4	3.4	0.0
-20°	274.4	186.0	100.7	37.0	8.9	3.4	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	269.8	183.2	99.3	37.1	9.3	3.5	0.0
-25°	264.1	178.8	97.2	36.9	9.6	3.6	0.0
-27.5°	257.4	173.3	94.3	36.5	10.0	3.6	0.0
-30°	249.7	167.0	90.8	35.7	10.2	3.6	0.0
-32.5°	240.9	160.0	86.7	34.7	10.4	3.6	0.0
-35°	231.3	152.3	82.1	33.3	10.6	3.6	0.0
-37.5°	221.1	144.6	77.0	31.7	10.6	3.6	0.0
-40°	210.1	137.5	71.5	29.7	10.7	3.6	0.0
-42.5°	198.3	130.0	67.3	27.6	10.6	3.5	0.0
-45°	185.7	122.0	64.5	25.4	10.5	3.5	0.0
-47.5°	172.5	113.5	61.1	23.0	10.3	3.4	0.0
-50°	161.4	104.6	57.2	22.1	10.0	3.3	0.0
-52.5°	150.3	95.3	52.9	21.7	9.7	3.2	0.0
-55°	138.8	88.2	48.0	21.0	9.3	3.0	0.0
-57.5°	126.9	81.1	42.8	20.1	8.9	2.9	0.0
-60°	114.8	73.2	37.2	19.0	8.4	2.7	0.0
-62.5°	103.7	64.8	34.6	17.6	7.9	2.5	0.0
-65°	91.8	55.7	31.5	16.1	7.3	2.4	0.0
-67.5°	79.2	48.2	28.2	14.4	6.7	2.2	0.0
-70°	65.9	42.1	24.5	12.5	6.1	1.9	0.0
-72.5°	55.7	35.7	20.6	11.0	5.4	1.7	0.0
-75°	45.5	28.8	16.4	9.5	4.7	1.5	0.0
-77.5°	34.8	21.6	13.5	8.0	4.0	1.3	0.0
-80°	23.8	16.5	10.9	6.5	3.2	1.0	0.0
-82.5°	17.5	12.4	8.3	4.9	2.4	0.8	0.0
-85°	11.7	8.3	5.5	3.3	1.6	0.5	0.0
-87.5°	5.9	4.2	2.8	1.6	0.8	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)