

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: P645371 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2C-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645371 (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-SA2C-730-U-LAM-VSR-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7638.7 lumens  
Efficiency: N/A  
Efficacy: 92.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')

NEMA Type: 7H x 7V  
Max Intensity: 3257.7 candela  
Max Intensity Angle: 0°H x -20°V

Beam Angle (50%): 105.6°H x 93.7°V  
Beam Lumens: 5971.5 lumens  
Beam Efficiency: 78.2%

Field Angle (10%): 144°H x 131.2°V  
Field Lumens: 7487 lumens  
Field Efficiency: 98.0%

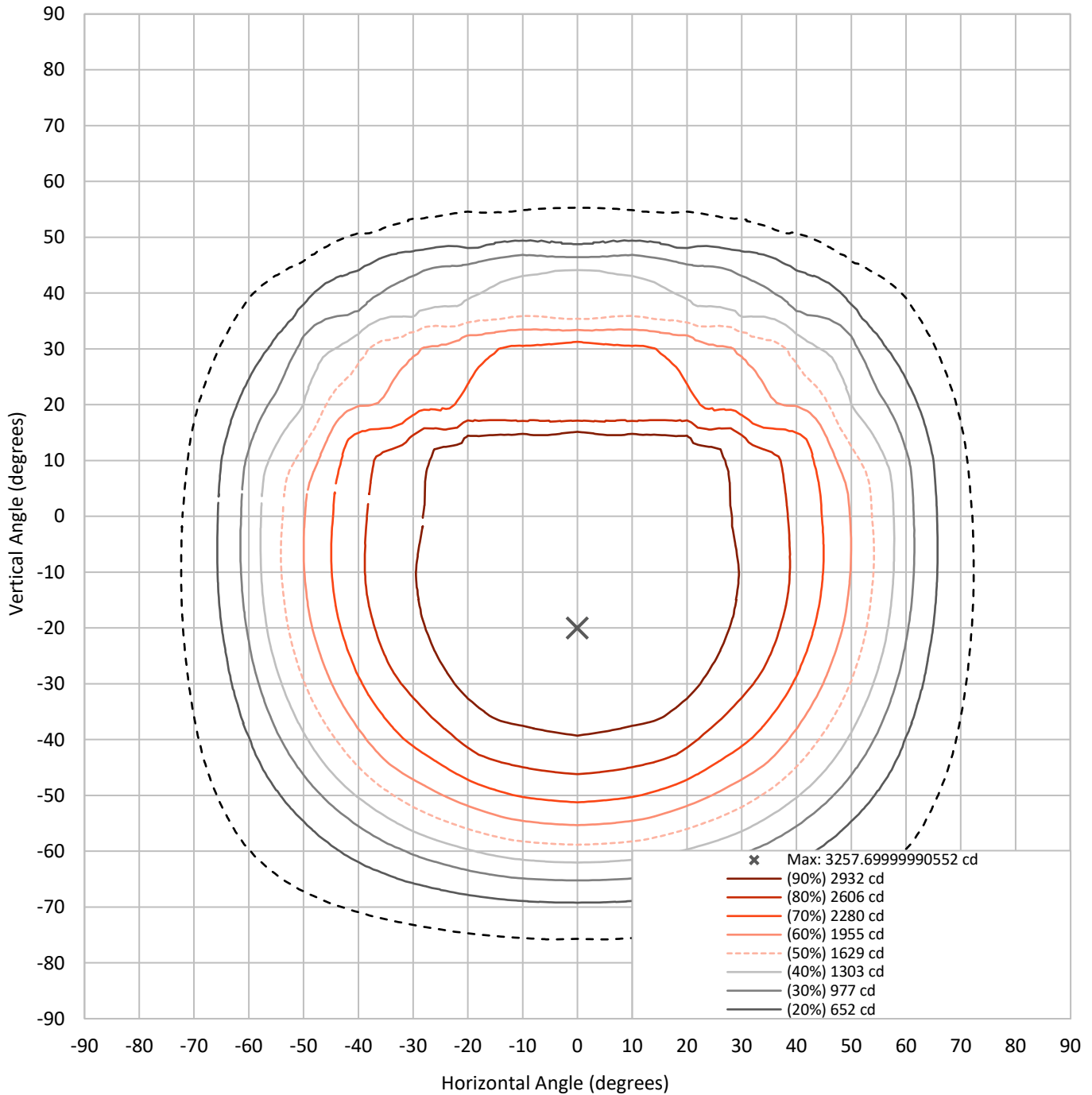
Input Watts (W): 82.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT





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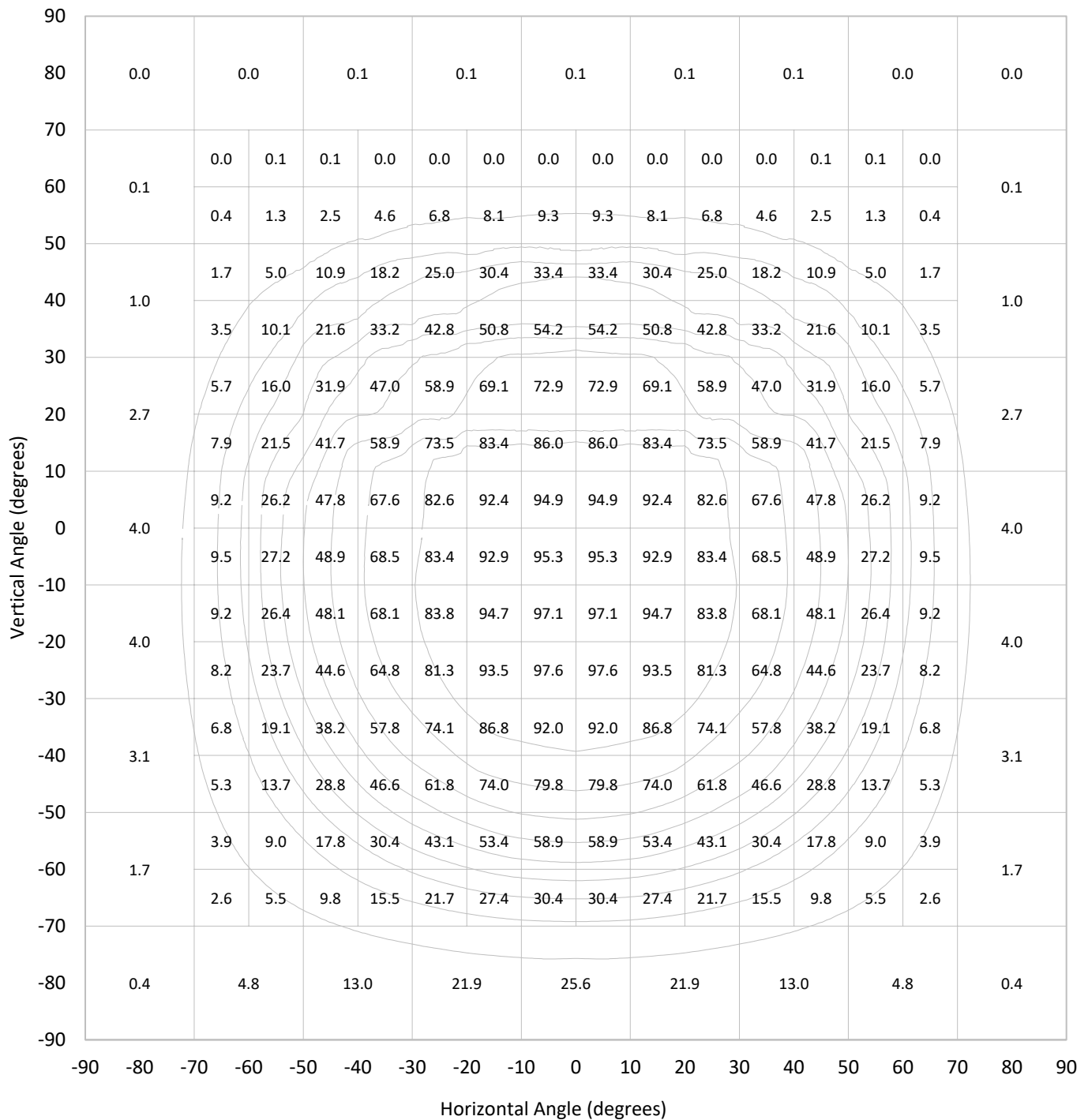
### Iso-Candela Plot





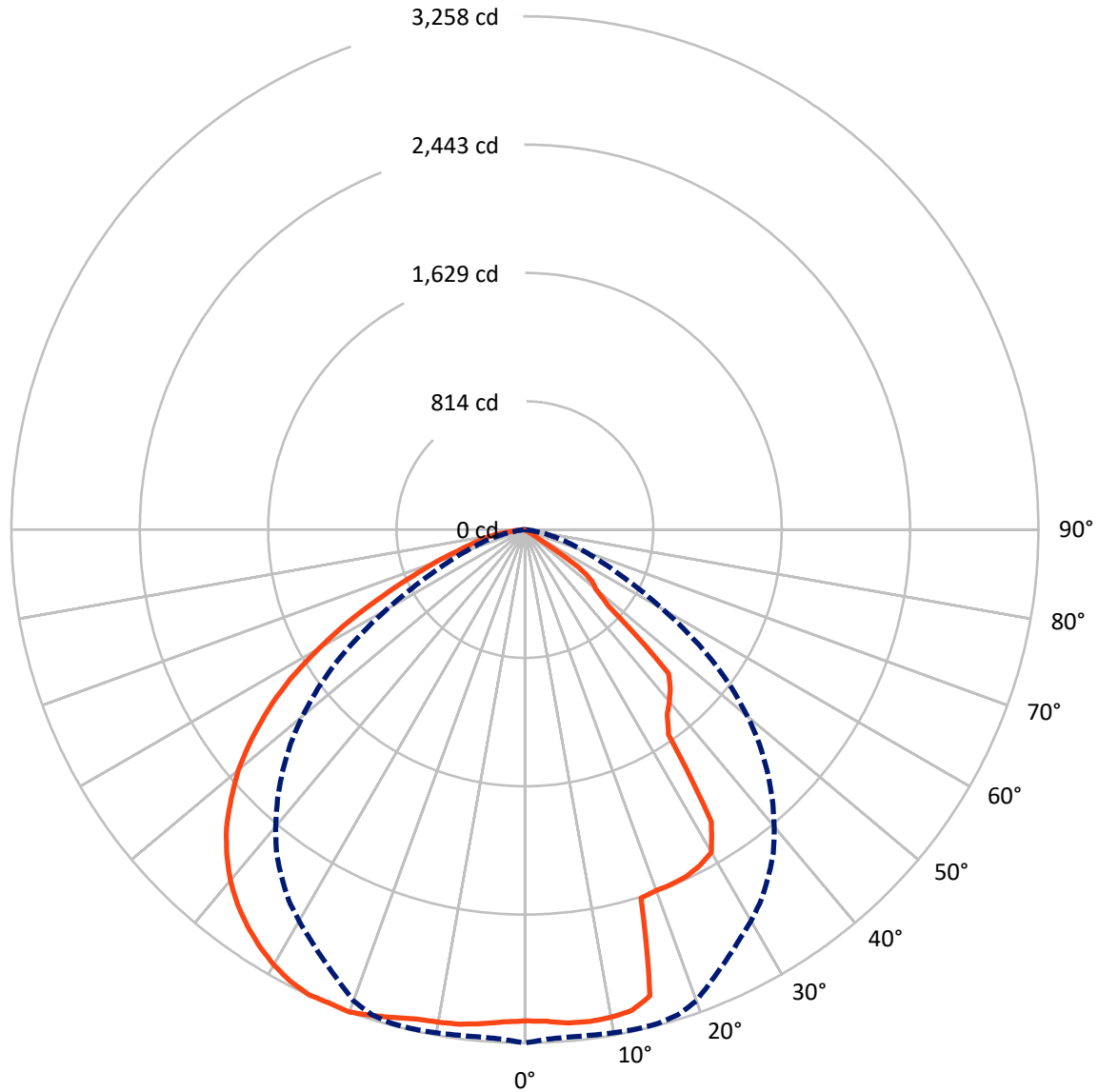
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### Lumen Table



REPORT NUMBER: P645371 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot

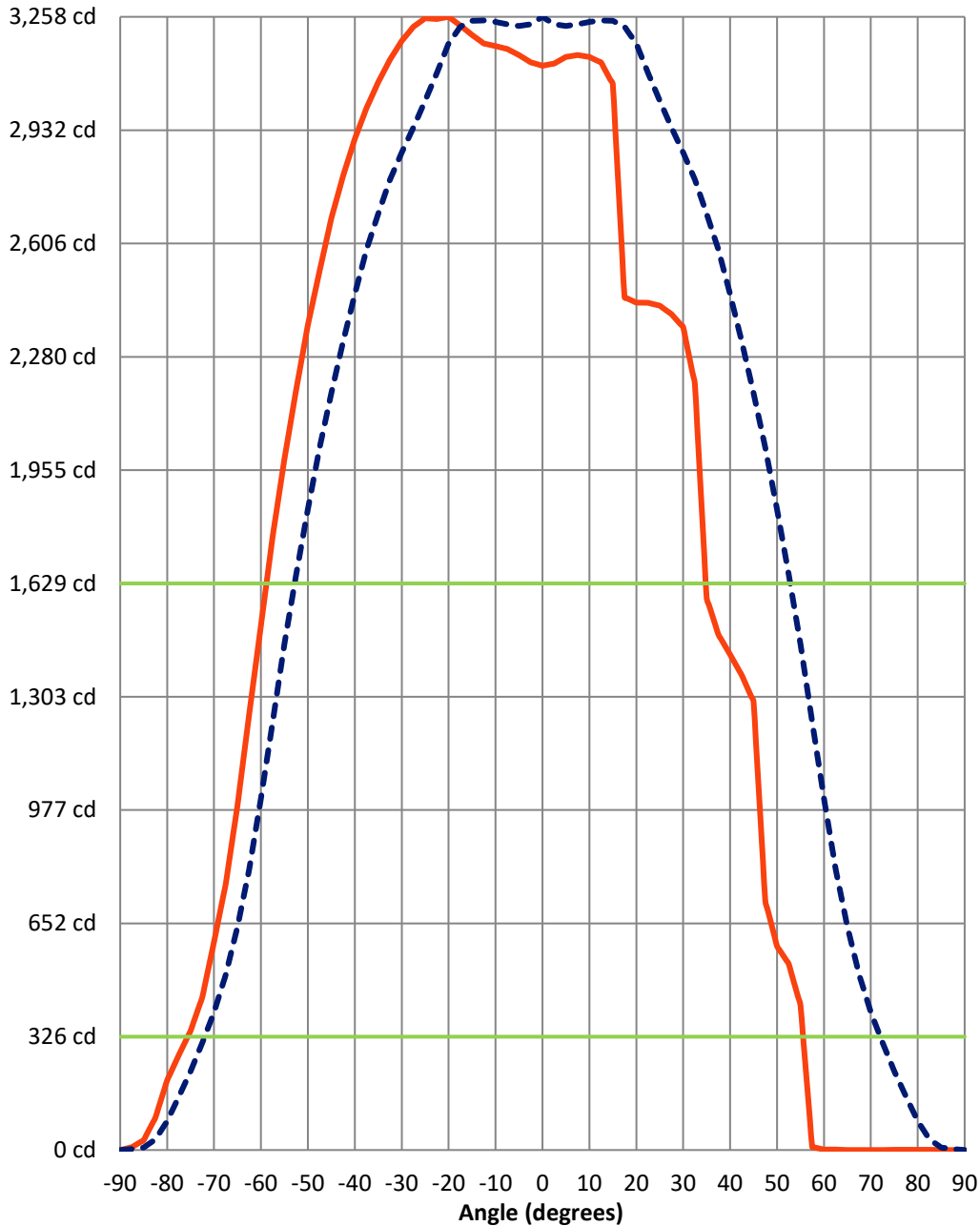


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 5971.5  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 7487  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 151.7  
 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	0.2	0.3	0.4	0.4	0.4	0.3	0.3
85°	0.0	0.2	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.6
82.5°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.1	1.1	0.9	0.7
80°	0.0	0.3	0.5	0.7	1.0	1.2	1.4	1.2	1.1	0.9	0.7
77.5°	0.0	0.4	0.6	0.9	1.2	1.4	1.4	1.3	1.1	0.9	0.7
75°	0.0	0.5	0.7	1.1	1.4	1.5	1.4	1.3	1.1	0.9	0.8
72.5°	0.0	0.5	0.9	1.3	1.5	1.5	1.4	1.3	1.1	0.9	0.8
70°	0.0	0.6	1.0	1.4	1.5	1.6	1.5	1.3	1.1	1.0	1.1
67.5°	0.0	0.7	1.1	1.5	1.6	1.6	1.6	1.3	1.2	1.6	1.6
65°	0.0	0.8	1.2	1.6	1.7	1.9	1.9	1.3	1.9	2.2	2.7
62.5°	0.0	0.8	1.4	1.6	1.8	2.3	2.2	1.9	2.6	3.8	6.1
60°	0.0	0.9	1.5	1.7	1.8	2.8	2.6	2.6	3.4	9.7	10.5
57.5°	0.0	1.0	1.6	1.8	2.4	3.4	4.8	3.7	9.5	16.4	19.1
55°	0.0	1.0	1.6	1.8	3.0	4.0	7.6	6.0	17.6	25.3	30.9
52.5°	0.0	1.1	1.7	1.9	3.6	5.1	10.9	15.3	26.4	39.8	44.8
50°	0.0	1.2	1.8	2.0	4.2	8.7	14.7	25.8	37.7	55.8	69.9
47.5°	0.0	1.2	1.9	2.2	4.9	12.5	19.7	36.8	54.3	73.4	95.6
45°	0.0	1.3	2.0	2.7	5.6	16.6	29.8	48.3	72.8	95.7	120.5
42.5°	0.0	1.4	2.1	3.3	6.3	21.0	40.0	62.9	91.7	117.4	149.3
40°	0.0	1.4	2.2	3.9	8.5	25.6	50.5	79.5	111.2	138.6	180.2
37.5°	0.0	1.5	2.2	4.8	12.1	30.5	61.2	96.2	131.6	164.2	212.4
35°	0.0	1.6	2.3	5.7	15.8	37.9	72.1	112.8	152.4	195.6	250.4
32.5°	0.0	1.6	2.4	6.7	19.5	46.4	83.9	129.4	173.4	227.2	296.6
30°	0.0	1.7	2.5	7.8	23.2	54.9	97.4	146.2	194.6	258.9	341.0
27.5°	0.0	1.7	2.6	9.0	27.9	63.3	110.6	163.6	217.9	290.5	383.4
25°	0.0	1.8	2.7	10.2	32.6	71.6	123.5	180.9	244.1	325.0	423.8
22.5°	0.0	1.8	2.8	11.5	37.4	80.0	136.0	197.8	269.9	359.5	464.7
20°	0.0	1.9	2.9	12.9	42.1	89.1	148.1	214.5	295.0	392.1	504.6
17.5°	0.0	1.9	3.0	14.2	46.7	97.9	160.1	230.6	319.3	422.7	543.3
15°	0.0	1.9	3.1	15.6	51.2	106.3	171.6	245.6	342.6	451.2	580.5
12.5°	0.0	2.0	3.1	16.9	55.6	114.3	182.4	259.0	361.2	477.5	615.8
10°	0.0	2.0	3.2	18.3	59.7	121.9	192.4	271.3	375.1	493.4	644.7
7.5°	0.0	2.0	3.3	19.6	63.7	129.0	201.5	282.6	386.9	505.7	661.4
5°	0.0	2.1	3.4	20.8	67.3	135.6	209.9	292.7	396.7	515.6	675.1
2.5°	0.0	2.1	3.4	21.9	70.7	141.5	217.4	301.7	404.7	523.2	685.5
0°	0.0	2.1	3.5	23.0	73.7	146.8	224.0	309.5	411.0	528.6	692.7
-2.5°	0.0	2.2	4.0	24.5	76.5	150.1	227.3	314.1	413.3	535.4	697.4
-5°	0.0	2.3	4.6	25.9	78.9	152.8	229.7	317.4	414.0	539.8	698.9
-7.5°	0.0	2.4	5.1	27.1	80.8	154.7	231.2	319.5	413.5	541.6	697.3
-10°	0.0	2.5	5.6	28.2	82.3	155.9	231.9	320.3	411.7	540.5	692.9
-12.5°	0.0	2.6	6.1	29.1	83.3	156.4	231.8	319.7	408.9	536.2	685.3
-15°	0.0	2.7	6.5	29.8	83.8	156.1	230.8	317.9	405.6	527.7	674.2
-17.5°	0.0	2.8	6.9	30.3	83.7	155.2	229.1	314.0	401.7	517.0	659.9
-20°	0.0	2.9	7.3	30.6	83.1	153.5	226.5	308.6	396.1	504.4	642.2

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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	2.9	7.7	30.7	82.0	151.2	222.7	302.0	388.8	489.8	621.1
-25°	0.0	3.0	8.0	30.5	80.2	147.5	218.0	294.4	379.7	473.4	596.8
-27.5°	0.0	3.0	8.2	30.1	77.9	143.0	212.5	285.7	369.0	457.4	575.2
-30°	0.0	3.0	8.5	29.5	75.0	137.9	206.1	276.0	357.2	444.0	552.2
-32.5°	0.0	3.0	8.6	28.7	71.6	132.1	198.8	267.1	344.7	428.4	527.6
-35°	0.0	3.0	8.7	27.5	67.8	125.7	191.0	257.7	331.2	410.8	501.4
-37.5°	0.0	3.0	8.8	26.2	63.6	119.4	182.5	247.3	316.7	391.1	475.6
-40°	0.0	3.0	8.8	24.5	59.0	113.6	173.4	235.9	301.3	372.5	450.1
-42.5°	0.0	2.9	8.8	22.8	55.6	107.3	163.7	223.5	286.5	352.9	422.7
-45°	0.0	2.9	8.7	21.0	53.2	100.7	153.3	210.8	271.2	331.9	394.3
-47.5°	0.0	2.8	8.5	18.9	50.5	93.8	142.4	198.0	254.9	309.9	369.7
-50°	0.0	2.7	8.3	18.3	47.3	86.4	133.3	184.6	236.9	289.7	343.9
-52.5°	0.0	2.6	8.0	17.9	43.7	78.7	124.1	170.7	219.7	268.9	317.4
-55°	0.0	2.5	7.7	17.4	39.7	72.8	114.6	156.5	202.4	247.6	294.0
-57.5°	0.0	2.4	7.4	16.6	35.3	66.9	104.7	145.2	184.5	227.1	270.0
-60°	0.0	2.3	6.9	15.7	30.7	60.4	94.7	132.8	166.6	206.5	246.1
-62.5°	0.0	2.1	6.5	14.6	28.5	53.5	85.6	119.3	150.1	185.2	222.6
-65°	0.0	2.0	6.1	13.3	26.0	46.0	75.8	105.2	132.5	163.9	198.6
-67.5°	0.0	1.8	5.6	11.9	23.3	39.8	65.4	91.3	114.0	141.7	172.7
-70°	0.0	1.6	5.0	10.3	20.3	34.8	54.4	77.0	97.5	118.4	145.1
-72.5°	0.0	1.4	4.5	9.1	17.0	29.5	46.0	62.4	80.6	99.1	117.8
-75°	0.0	1.2	3.9	7.9	13.5	23.8	37.6	50.3	63.5	79.6	95.9
-77.5°	0.0	1.0	3.3	6.7	11.2	17.9	28.8	38.9	49.4	60.7	73.7
-80°	0.0	0.8	2.6	5.4	9.0	13.6	19.7	27.3	35.4	44.2	53.6
-82.5°	0.0	0.6	2.0	4.1	6.8	10.3	14.5	17.5	21.1	27.3	34.0
-85°	0.0	0.4	1.3	2.7	4.6	6.9	9.7	11.7	13.8	16.0	18.2
-87.5°	0.0	0.2	0.7	1.4	2.3	3.5	4.9	5.9	6.9	8.0	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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 CATALOG NUMBER: GFLD-SA2C-730-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°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6
85°	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	0.8	0.9	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70°	1.1	1.1	1.0	0.8	0.7	0.7	0.8	0.8	0.7	0.7	0.7
67.5°	1.4	1.2	1.0	1.0	1.0	1.1	1.0	0.9	0.7	0.7	0.7
65°	1.4	1.2	1.7	2.0	1.5	1.2	1.1	0.9	1.0	1.0	1.0
62.5°	2.1	2.6	3.3	5.9	4.4	1.3	2.3	2.7	2.0	1.7	1.8
60°	6.8	4.6	13.7	19.6	12.3	4.5	5.4	18.2	15.8	2.9	9.8
57.5°	14.3	19.6	36.1	36.7	25.4	17.5	51.0	58.9	44.6	26.1	39.8
55°	31.5	48.3	59.8	55.4	60.5	91.6	108.9	97.8	82.4	126.7	161.8
52.5°	61.4	78.6	82.6	94.8	135.7	155.9	149.4	159.7	207.2	257.3	268.1
50°	90.6	104.8	115.8	167.4	199.4	201.4	216.2	263.2	326.4	357.1	349.7
47.5°	118.9	133.6	184.7	234.3	248.7	268.3	305.5	396.1	463.1	464.4	456.9
45°	148.9	187.9	253.1	285.5	308.8	346.8	436.5	561.6	568.1	586.3	698.1
42.5°	180.9	249.1	306.1	339.7	377.4	448.4	568.1	650.2	678.5	758.0	847.9
40°	232.7	308.3	358.1	401.1	449.5	553.2	684.3	761.2	784.1	853.0	920.6
37.5°	285.2	357.8	413.5	465.4	532.5	672.5	824.2	887.6	899.2	911.8	1061.5
35°	335.8	408.5	475.2	543.1	625.4	826.9	959.5	1019.1	1017.3	1102.3	1259.1
32.5°	383.1	460.3	539.1	629.8	765.7	972.1	1104.8	1140.5	1194.6	1318.3	1532.3
30°	430.4	518.1	608.5	716.7	888.8	1067.7	1219.2	1276.6	1369.4	1510.5	1666.3
27.5°	479.1	577.4	686.7	813.5	986.0	1150.4	1279.8	1417.0	1507.1	1633.6	1744.4
25°	527.6	640.2	764.0	898.1	1055.4	1208.7	1342.5	1501.0	1597.7	1699.7	1803.1
22.5°	578.4	703.8	843.6	965.2	1114.0	1258.2	1417.5	1589.4	1715.2	1780.0	1849.5
20°	631.6	772.6	921.8	1056.4	1171.8	1304.3	1492.8	1701.7	1864.1	1937.0	1946.6
17.5°	683.9	839.3	999.7	1145.5	1269.9	1387.8	1571.9	1836.2	2038.1	2106.0	2136.2
15°	735.0	903.5	1077.2	1232.1	1368.7	1512.9	1709.5	1978.2	2209.1	2284.2	2331.6
12.5°	784.3	964.7	1153.5	1315.9	1467.6	1629.3	1834.4	2080.4	2291.2	2436.4	2523.4
10°	831.3	1022.5	1227.5	1396.4	1565.4	1737.3	1937.8	2156.6	2328.2	2468.2	2591.7
7.5°	855.0	1060.2	1291.0	1472.9	1660.7	1837.1	2022.5	2210.3	2354.8	2492.1	2611.6
5°	871.1	1075.7	1310.9	1499.6	1711.3	1903.7	2083.6	2245.5	2372.2	2508.3	2624.9
2.5°	882.6	1085.7	1324.3	1514.1	1730.3	1924.2	2101.3	2257.3	2386.5	2519.8	2639.3
0°	889.5	1090.5	1331.2	1523.1	1742.2	1937.7	2111.5	2261.8	2396.0	2525.4	2654.0
-2.5°	893.4	1105.1	1335.7	1546.2	1753.7	1949.3	2125.9	2272.5	2412.8	2535.9	2664.9
-5°	893.0	1113.8	1334.5	1561.7	1759.2	1953.8	2133.0	2277.4	2421.9	2543.8	2669.3
-7.5°	888.1	1115.9	1328.5	1566.6	1759.5	1952.3	2129.9	2279.7	2421.8	2551.0	2669.7
-10°	879.5	1108.0	1322.9	1554.0	1752.7	1944.3	2120.3	2274.6	2416.1	2549.5	2667.4
-12.5°	869.3	1091.7	1311.4	1535.9	1739.0	1929.5	2105.7	2261.6	2405.5	2538.6	2662.1
-15°	854.0	1070.1	1292.3	1512.9	1718.1	1908.0	2086.7	2240.3	2389.2	2519.6	2646.3
-17.5°	833.4	1043.3	1265.5	1485.6	1690.0	1879.9	2062.4	2212.2	2360.4	2495.1	2617.4
-20°	807.5	1011.5	1230.7	1454.6	1654.3	1842.2	2019.0	2175.9	2323.1	2460.1	2588.7



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 CATALOG NUMBER: GFLD-SA2C-730-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°	776.2	975.0	1188.7	1412.8	1609.7	1795.6	1970.2	2129.7	2282.2	2414.7	2551.7
-25°	744.9	936.5	1142.4	1354.9	1558.0	1743.1	1918.2	2073.6	2229.4	2367.3	2497.4
-27.5°	714.8	891.7	1088.6	1291.1	1499.3	1683.5	1857.1	2012.6	2163.9	2314.6	2439.8
-30°	681.1	839.9	1029.6	1223.1	1426.1	1613.6	1788.5	1949.8	2093.8	2242.6	2377.1
-32.5°	643.8	784.9	967.3	1153.4	1344.9	1536.5	1709.7	1870.0	2019.8	2160.5	2301.7
-35°	607.4	740.6	901.3	1078.6	1258.8	1446.8	1620.2	1778.8	1934.3	2073.7	2208.6
-37.5°	574.7	692.5	831.1	1000.5	1172.7	1350.5	1526.8	1680.4	1828.4	1981.7	2113.2
-40°	539.3	640.9	770.3	920.1	1082.3	1251.5	1420.3	1579.2	1718.3	1869.8	2014.5
-42.5°	502.2	598.9	710.4	834.9	988.1	1147.5	1310.5	1466.0	1610.4	1753.3	1896.7
-45°	469.8	554.4	649.4	763.2	887.9	1037.8	1192.2	1347.1	1485.7	1621.9	1763.5
-47.5°	435.2	509.8	597.5	688.4	796.8	922.2	1067.3	1210.2	1352.1	1481.7	1607.0
-50°	400.8	469.5	541.7	623.5	712.9	814.6	935.1	1067.9	1197.5	1330.6	1454.7
-52.5°	371.2	427.2	492.4	560.7	637.2	721.3	817.9	927.0	1044.9	1157.8	1281.6
-55°	340.4	390.9	443.5	503.6	567.3	638.3	717.5	809.2	899.1	1003.6	1104.7
-57.5°	312.3	354.9	399.8	449.4	504.8	561.5	630.8	702.1	783.7	864.9	944.9
-60°	285.9	320.6	358.7	400.8	445.3	495.8	547.4	608.7	674.5	739.2	807.1
-62.5°	259.2	288.5	319.5	354.4	393.2	431.4	475.5	522.7	571.1	626.0	679.5
-65°	231.8	255.5	281.8	310.7	341.7	374.2	408.1	443.1	484.2	524.4	563.4
-67.5°	202.6	222.9	244.2	267.0	293.0	318.5	344.0	373.6	403.9	433.6	464.5
-70°	170.4	189.5	207.2	225.7	245.0	265.0	286.8	308.5	329.8	352.2	376.9
-72.5°	137.5	155.1	170.7	184.4	200.2	216.9	232.8	248.0	264.1	281.1	297.8
-75°	109.7	121.3	135.2	148.0	160.6	172.3	182.8	195.7	209.1	221.5	231.6
-77.5°	85.7	96.2	105.7	114.2	124.3	136.0	146.3	155.0	163.6	172.9	182.8
-80°	62.3	71.1	79.7	87.6	93.4	100.0	107.9	116.9	124.7	131.0	136.8
-82.5°	40.3	46.6	53.0	59.6	62.3	64.1	65.8	68.9	73.7	78.5	83.0
-85°	20.1	21.9	25.9	29.9	31.3	32.3	32.9	33.3	34.9	36.4	37.7
-87.5°	10.1	11.0	11.9	12.8	12.3	11.6	10.8	9.8	9.6	9.3	9.0
-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):**

	-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°	0.6	0.6	0.6	0.6	0.6	0.5	0.3	0.2	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.3
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.4
65°	1.0	1.0	1.0	1.0	0.9	0.8	0.9	0.8	0.8	0.6	0.4
62.5°	1.8	2.0	1.6	1.5	1.5	1.5	1.4	1.3	1.2	1.2	1.2
60°	10.9	6.5	3.8	4.4	3.9	2.6	3.4	3.9	4.0	3.7	3.2
57.5°	60.5	45.1	33.4	79.8	80.0	38.2	46.0	72.4	59.6	19.6	18.2
55°	168.1	201.1	264.7	251.4	255.5	293.9	321.0	284.1	278.5	296.8	342.8
52.5°	302.1	333.5	355.0	375.0	399.3	425.5	452.4	469.6	485.6	502.7	512.9
50°	385.8	430.1	460.5	449.3	512.3	538.1	512.0	535.4	563.9	571.7	575.4
47.5°	569.7	634.7	647.5	689.4	727.0	726.2	694.3	696.1	781.1	856.1	892.9
45°	818.8	820.9	861.8	935.7	988.5	971.9	1016.5	1117.8	1151.5	1184.2	1210.9
42.5°	915.7	955.9	1021.1	1086.5	1125.9	1160.0	1193.0	1230.3	1274.1	1309.6	1338.0
40°	1009.7	1042.1	1108.9	1161.5	1194.1	1226.0	1264.4	1305.7	1345.8	1377.0	1398.3
37.5°	1154.3	1179.5	1195.7	1244.5	1306.2	1277.7	1350.7	1403.1	1427.0	1458.7	1461.5
35°	1373.1	1356.4	1334.7	1529.2	1540.8	1475.2	1543.4	1624.5	1581.8	1670.8	1718.6
32.5°	1567.0	1564.5	1734.2	1836.5	1777.7	1825.7	1982.9	1976.0	2080.8	2129.5	2115.6
30°	1749.7	1812.1	1910.2	1986.4	1996.5	2072.2	2142.1	2203.3	2266.6	2323.4	2327.2
27.5°	1842.5	1923.8	1990.4	2034.5	2083.6	2147.4	2210.7	2279.7	2333.5	2369.1	2377.8
25°	1898.6	1981.7	2032.1	2079.5	2133.8	2188.8	2259.7	2334.8	2378.1	2400.0	2407.0
22.5°	1948.1	2022.7	2077.0	2115.4	2173.8	2232.9	2299.1	2362.7	2409.6	2419.2	2422.7
20°	1995.7	2067.4	2158.0	2214.6	2211.8	2278.4	2342.2	2392.7	2431.9	2431.7	2432.6
17.5°	2133.4	2159.1	2323.4	2448.2	2386.4	2353.8	2529.2	2532.5	2542.9	2522.2	2477.3
15°	2337.4	2384.0	2585.9	2721.2	2678.6	2676.4	2929.7	2866.9	2920.9	2906.8	2967.6
12.5°	2553.4	2608.6	2759.5	2892.4	2955.6	2971.2	3055.8	3135.1	3151.4	3145.0	3133.0
10°	2700.6	2779.2	2839.8	2920.4	2984.3	3049.4	3098.5	3155.4	3174.1	3163.3	3148.0
7.5°	2719.7	2797.4	2868.6	2939.4	3000.2	3052.7	3103.5	3149.8	3168.8	3162.6	3152.1
5°	2731.9	2802.3	2871.3	2943.1	3001.2	3049.9	3100.5	3147.5	3158.7	3151.1	3140.9
2.5°	2739.5	2804.6	2871.1	2942.5	2995.4	3041.7	3093.0	3143.1	3143.0	3139.7	3133.7
0°	2743.1	2808.4	2885.6	2950.3	3009.4	3053.2	3104.0	3152.7	3149.2	3140.2	3129.8
-2.5°	2750.9	2817.1	2895.9	2949.5	3016.2	3056.3	3108.7	3150.9	3149.3	3144.8	3139.7
-5°	2757.9	2832.3	2906.0	2962.4	3029.2	3081.7	3133.9	3166.8	3168.6	3162.4	3153.7
-7.5°	2762.1	2844.7	2915.0	2971.6	3036.4	3097.4	3150.3	3184.9	3185.7	3177.5	3167.1
-10°	2760.7	2847.8	2920.3	2978.8	3045.1	3105.4	3160.7	3204.6	3203.1	3195.3	3186.4
-12.5°	2755.5	2842.5	2916.9	2975.6	3050.9	3113.0	3175.2	3218.8	3221.1	3215.3	3205.7
-15°	2744.0	2833.9	2906.2	2970.3	3044.2	3116.7	3180.6	3228.7	3237.4	3232.5	3225.0
-17.5°	2721.3	2816.2	2892.9	2962.0	3032.9	3110.1	3182.8	3235.5	3247.2	3245.3	3239.0
-20°	2691.6	2789.5	2867.4	2939.7	3016.8	3096.5	3181.1	3229.2	3246.2	3247.3	3243.0



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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°	2658.2	2754.0	2836.6	2907.8	2991.4	3072.0	3148.6	3205.0	3233.6	3238.9	3239.2
-25°	2618.1	2716.6	2798.6	2874.4	2952.2	3035.4	3112.9	3175.8	3204.8	3218.7	3223.0
-27.5°	2561.5	2663.3	2744.0	2824.2	2903.3	2989.3	3070.6	3139.0	3162.6	3181.7	3189.4
-30°	2495.2	2595.9	2678.2	2751.4	2842.0	2929.6	3013.6	3073.3	3108.9	3130.7	3142.6
-32.5°	2419.0	2520.6	2607.0	2683.4	2769.5	2857.2	2936.2	2999.1	3048.2	3073.4	3086.1
-35°	2336.3	2440.1	2530.6	2611.1	2692.1	2775.6	2857.5	2923.4	2979.3	3000.9	3016.9
-37.5°	2236.6	2351.1	2443.8	2526.9	2603.9	2682.4	2767.6	2842.9	2897.2	2918.2	2935.0
-40°	2134.4	2245.0	2338.5	2427.1	2503.2	2589.0	2671.1	2750.0	2797.1	2821.5	2840.6
-42.5°	2026.4	2126.4	2215.3	2301.3	2386.1	2474.4	2556.5	2638.5	2679.2	2708.6	2732.0
-45°	1901.8	1994.8	2081.2	2161.7	2249.1	2335.9	2418.1	2490.6	2539.0	2577.3	2607.2
-47.5°	1735.7	1849.0	1935.8	2012.3	2098.9	2182.7	2262.3	2330.4	2383.6	2428.4	2463.1
-50°	1567.0	1675.7	1773.6	1859.6	1940.0	2017.4	2093.2	2159.9	2216.1	2264.7	2299.8
-52.5°	1400.8	1502.7	1599.8	1688.6	1765.9	1839.0	1908.3	1975.3	2034.7	2086.7	2120.7
-55°	1213.1	1318.6	1414.7	1497.5	1574.7	1646.9	1715.4	1779.0	1837.4	1890.3	1922.9
-57.5°	1036.9	1129.5	1218.9	1295.4	1368.2	1437.0	1501.9	1562.8	1619.0	1668.9	1700.2
-60°	875.0	942.5	1019.4	1090.1	1154.7	1213.3	1273.8	1330.5	1382.2	1426.0	1455.2
-62.5°	731.9	787.8	843.4	897.1	949.5	1002.1	1052.8	1099.9	1143.0	1178.9	1204.5
-65°	604.4	649.4	689.6	727.6	763.9	805.4	843.9	880.2	913.7	941.2	960.7
-67.5°	497.7	529.3	557.1	583.2	611.8	641.1	668.6	692.6	713.0	729.3	742.2
-70°	401.3	424.6	445.5	466.3	487.2	506.3	524.5	542.1	558.9	572.5	582.8
-72.5°	314.3	330.2	344.5	360.5	375.5	390.0	402.6	412.7	420.6	428.3	435.0
-75°	239.6	251.5	267.6	281.2	292.4	302.4	311.5	319.6	326.7	333.0	338.6
-77.5°	192.8	202.9	213.1	223.0	232.6	239.7	246.3	252.9	259.4	265.0	270.0
-80°	142.9	150.4	158.3	166.3	174.2	178.1	181.3	184.2	186.7	190.1	193.2
-82.5°	87.3	91.6	96.0	100.5	104.9	106.1	106.4	106.3	105.8	104.6	102.7
-85°	38.8	39.1	38.9	38.5	37.8	36.2	34.4	32.2	29.8	29.4	28.9
-87.5°	8.5	8.3	8.1	7.8	7.5	7.5	7.5	7.5	7.4	7.7	7.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-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	0.3	0.5	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.4	0.0	0.4	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.4	0.0	0.4	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	0.3	0.1	0.0	0.0	0.0	0.1	0.3	0.4	0.6	0.7	0.7
65°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.8	0.8
62.5°	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.3
60°	2.5	1.7	1.4	1.4	1.4	1.7	2.5	3.2	3.7	4.0	3.9
57.5°	15.3	11.4	9.7	9.0	9.7	11.4	15.3	18.2	19.6	59.6	72.4
55°	375.8	395.0	409.3	415.9	409.3	395.0	375.8	342.8	296.8	278.5	284.1
52.5°	521.9	530.2	535.0	534.8	535.0	530.2	521.9	512.9	502.7	485.6	469.6
50°	581.7	585.8	587.2	586.3	587.2	585.8	581.7	575.4	571.7	563.9	535.4
47.5°	859.3	784.9	730.2	717.1	730.2	784.9	859.3	892.9	856.1	781.1	696.1
45°	1223.7	1251.9	1280.0	1288.8	1280.0	1251.9	1223.7	1210.9	1184.2	1151.5	1117.8
42.5°	1350.0	1359.2	1364.4	1364.6	1364.4	1359.2	1350.0	1338.0	1309.6	1274.1	1230.3
40°	1410.2	1418.9	1423.9	1424.4	1423.9	1418.9	1410.2	1398.3	1377.0	1345.8	1305.7
37.5°	1464.9	1472.3	1477.1	1482.1	1477.1	1472.3	1464.9	1461.5	1458.7	1427.0	1403.1
35°	1712.2	1656.2	1575.6	1587.8	1575.6	1656.2	1712.2	1718.6	1670.8	1581.8	1624.5
32.5°	2137.3	2160.8	2175.5	2200.6	2175.5	2160.8	2137.3	2115.6	2129.5	2080.8	1976.0
30°	2333.4	2341.2	2353.0	2365.4	2353.0	2341.2	2333.4	2327.2	2323.4	2266.6	2203.3
27.5°	2382.4	2390.4	2397.6	2403.0	2397.6	2390.4	2382.4	2377.8	2369.1	2333.5	2279.7
25°	2408.0	2413.0	2420.6	2427.3	2420.6	2413.0	2408.0	2407.0	2400.0	2378.1	2334.8
22.5°	2420.7	2421.2	2427.2	2435.6	2427.2	2421.2	2420.7	2422.7	2419.2	2409.6	2362.7
20°	2429.4	2424.7	2430.9	2436.3	2430.9	2424.7	2429.4	2432.6	2431.7	2431.9	2392.7
17.5°	2540.6	2477.2	2451.2	2451.6	2451.2	2477.2	2540.6	2477.3	2522.2	2542.9	2532.5
15°	2899.3	2923.2	3014.4	3063.7	3014.4	2923.2	2899.3	2967.6	2906.8	2920.9	2866.9
12.5°	3130.8	3122.4	3111.5	3126.3	3111.5	3122.4	3130.8	3133.0	3145.0	3151.4	3135.1
10°	3141.6	3140.6	3121.3	3142.3	3121.3	3140.6	3141.6	3148.0	3163.3	3174.1	3155.4
7.5°	3134.9	3135.5	3127.3	3147.8	3127.3	3135.5	3134.9	3152.1	3162.6	3168.8	3149.8
5°	3139.3	3125.2	3130.5	3142.3	3130.5	3125.2	3139.3	3140.9	3151.1	3158.7	3147.5
2.5°	3127.2	3125.7	3115.3	3123.5	3115.3	3125.7	3127.2	3133.7	3139.7	3143.0	3143.1
0°	3117.9	3110.3	3110.3	3117.2	3110.3	3110.3	3117.9	3129.8	3140.2	3149.2	3152.7
-2.5°	3134.4	3132.8	3131.8	3127.0	3131.8	3132.8	3134.4	3139.7	3144.8	3149.3	3150.9
-5°	3147.9	3143.7	3132.4	3147.8	3132.4	3143.7	3147.9	3153.7	3162.4	3168.6	3166.8
-7.5°	3162.5	3151.9	3141.1	3165.2	3141.1	3151.9	3162.5	3167.1	3177.5	3185.7	3184.9
-10°	3175.8	3160.5	3149.9	3173.6	3149.9	3160.5	3175.8	3186.4	3195.3	3203.1	3204.6
-12.5°	3193.3	3175.4	3168.4	3181.2	3168.4	3175.4	3193.3	3205.7	3215.3	3221.1	3218.8
-15°	3212.0	3199.7	3198.0	3205.6	3198.0	3199.7	3212.0	3225.0	3232.5	3237.4	3228.7
-17.5°	3228.5	3219.8	3224.1	3232.7	3224.1	3219.8	3228.5	3239.0	3245.3	3247.2	3235.5
-20°	3236.3	3231.5	3236.3	3257.7	3236.3	3231.5	3236.3	3243.0	3247.3	3246.2	3229.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645371 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2C-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3235.6	3236.0	3244.5	3251.5	3244.5	3236.0	3235.6	3239.2	3238.9	3233.6	3205.0
-25°	3223.3	3229.8	3239.5	3253.6	3239.5	3229.8	3223.3	3223.0	3218.7	3204.8	3175.8
-27.5°	3193.5	3204.3	3214.5	3229.2	3214.5	3204.3	3193.5	3189.4	3181.7	3162.6	3139.0
-30°	3150.4	3163.3	3172.5	3188.2	3172.5	3163.3	3150.4	3142.6	3130.7	3108.9	3073.3
-32.5°	3098.1	3112.6	3123.4	3134.6	3123.4	3112.6	3098.1	3086.1	3073.4	3048.2	2999.1
-35°	3032.6	3048.3	3059.7	3069.9	3059.7	3048.3	3032.6	3016.9	3000.9	2979.3	2923.4
-37.5°	2953.9	2970.8	2983.8	2995.5	2983.8	2970.8	2953.9	2935.0	2918.2	2897.2	2842.9
-40°	2862.2	2879.5	2893.5	2906.5	2893.5	2879.5	2862.2	2840.6	2821.5	2797.1	2750.0
-42.5°	2755.0	2772.5	2786.9	2800.1	2786.9	2772.5	2755.0	2732.0	2708.6	2679.2	2638.5
-45°	2631.2	2649.3	2664.5	2678.4	2664.5	2649.3	2631.2	2607.2	2577.3	2539.0	2490.6
-47.5°	2488.7	2507.9	2520.9	2527.4	2520.9	2507.9	2488.7	2463.1	2428.4	2383.6	2330.4
-50°	2325.3	2344.5	2360.1	2371.7	2360.1	2344.5	2325.3	2299.8	2264.7	2216.1	2159.9
-52.5°	2145.4	2163.7	2177.2	2185.3	2177.2	2163.7	2145.4	2120.7	2086.7	2034.7	1975.3
-55°	1948.5	1967.7	1980.4	1986.3	1980.4	1967.7	1948.5	1922.9	1890.3	1837.4	1779.0
-57.5°	1725.1	1743.3	1756.8	1764.5	1756.8	1743.3	1725.1	1700.2	1668.9	1619.0	1562.8
-60°	1478.0	1494.2	1504.5	1508.5	1504.5	1494.2	1478.0	1455.2	1426.0	1382.2	1330.5
-62.5°	1225.2	1240.6	1250.3	1254.0	1250.3	1240.6	1225.2	1204.5	1178.9	1143.0	1099.9
-65°	975.3	985.0	990.3	991.1	990.3	985.0	975.3	960.7	941.2	913.7	880.2
-67.5°	752.4	759.7	764.2	765.7	764.2	759.7	752.4	742.2	729.3	713.0	692.6
-70°	590.4	595.5	598.3	598.8	598.3	595.5	590.4	582.8	572.5	558.9	542.1
-72.5°	440.2	443.8	442.5	439.6	442.5	443.8	440.2	435.0	428.3	420.6	412.7
-75°	343.4	347.3	345.7	342.9	345.7	347.3	343.4	338.6	333.0	326.7	319.6
-77.5°	274.3	278.0	276.2	273.3	276.2	278.0	274.3	270.0	265.0	259.4	252.9
-80°	195.9	198.0	199.5	200.3	199.5	198.0	195.9	193.2	190.1	186.7	184.2
-82.5°	100.3	97.4	95.5	93.2	95.5	97.4	100.3	102.7	104.6	105.8	106.3
-85°	28.3	27.7	28.1	28.5	28.1	27.7	28.3	28.9	29.4	29.8	32.2
-87.5°	8.1	8.3	8.3	8.3	8.3	8.3	8.1	7.9	7.7	7.4	7.5
-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: P645371 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-730-U-LAM-VSR-XX

**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°	0.3	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9
65°	0.9	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
62.5°	1.4	1.5	1.5	1.5	1.6	2.0	1.8	1.8	1.7	2.0	2.7
60°	3.4	2.6	3.9	4.4	3.8	6.5	10.9	9.8	2.9	15.8	18.2
57.5°	46.0	38.2	80.0	79.8	33.4	45.1	60.5	39.8	26.1	44.6	58.9
55°	321.0	293.9	255.5	251.4	264.7	201.1	168.1	161.8	126.7	82.4	97.8
52.5°	452.4	425.5	399.3	375.0	355.0	333.5	302.1	268.1	257.3	207.2	159.7
50°	512.0	538.1	512.3	449.3	460.5	430.1	385.8	349.7	357.1	326.4	263.2
47.5°	694.3	726.2	727.0	689.4	647.5	634.7	569.7	456.9	464.4	463.1	396.1
45°	1016.5	971.9	988.5	935.7	861.8	820.9	818.8	698.1	586.3	568.1	561.6
42.5°	1193.0	1160.0	1125.9	1086.5	1021.1	955.9	915.7	847.9	758.0	678.5	650.2
40°	1264.4	1226.0	1194.1	1161.5	1108.9	1042.1	1009.7	920.6	853.0	784.1	761.2
37.5°	1350.7	1277.7	1306.2	1244.5	1195.7	1179.5	1154.3	1061.5	911.8	899.2	887.6
35°	1543.4	1475.2	1540.8	1529.2	1334.7	1356.4	1373.1	1259.1	1102.3	1017.3	1019.1
32.5°	1982.9	1825.7	1777.7	1836.5	1734.2	1564.5	1567.0	1532.3	1318.3	1194.6	1140.5
30°	2142.1	2072.2	1996.5	1986.4	1910.2	1812.1	1749.7	1666.3	1510.5	1369.4	1276.6
27.5°	2210.7	2147.4	2083.6	2034.5	1990.4	1923.8	1842.5	1744.4	1633.6	1507.1	1417.0
25°	2259.7	2188.8	2133.8	2079.5	2032.1	1981.7	1898.6	1803.1	1699.7	1597.7	1501.0
22.5°	2299.1	2232.9	2173.8	2115.4	2077.0	2022.7	1948.1	1849.5	1780.0	1715.2	1589.4
20°	2342.2	2278.4	2211.8	2214.6	2158.0	2067.4	1995.7	1946.6	1937.0	1864.1	1701.7
17.5°	2529.2	2353.8	2386.4	2448.2	2323.4	2159.1	2133.4	2136.2	2106.0	2038.1	1836.2
15°	2929.7	2676.4	2678.6	2721.2	2585.9	2384.0	2337.4	2331.6	2284.2	2209.1	1978.2
12.5°	3055.8	2971.2	2955.6	2892.4	2759.5	2608.6	2553.4	2523.4	2436.4	2291.2	2080.4
10°	3098.5	3049.4	2984.3	2920.4	2839.8	2779.2	2700.6	2591.7	2468.2	2328.2	2156.6
7.5°	3103.5	3052.7	3000.2	2939.4	2868.6	2797.4	2719.7	2611.6	2492.1	2354.8	2210.3
5°	3100.5	3049.9	3001.2	2943.1	2871.3	2802.3	2731.9	2624.9	2508.3	2372.2	2245.5
2.5°	3093.0	3041.7	2995.4	2942.5	2871.1	2804.6	2739.5	2639.3	2519.8	2386.5	2257.3
0°	3104.0	3053.2	3009.4	2950.3	2885.6	2808.4	2743.1	2654.0	2525.4	2396.0	2261.8
-2.5°	3108.7	3056.3	3016.2	2949.5	2895.9	2817.1	2750.9	2664.9	2535.9	2412.8	2272.5
-5°	3133.9	3081.7	3029.2	2962.4	2906.0	2832.3	2757.9	2669.3	2543.8	2421.9	2277.4
-7.5°	3150.3	3097.4	3036.4	2971.6	2915.0	2844.7	2762.1	2669.7	2551.0	2421.8	2279.7
-10°	3160.7	3105.4	3045.1	2978.8	2920.3	2847.8	2760.7	2667.4	2549.5	2416.1	2274.6
-12.5°	3175.2	3113.0	3050.9	2975.6	2916.9	2842.5	2755.5	2662.1	2538.6	2405.5	2261.6
-15°	3180.6	3116.7	3044.2	2970.3	2906.2	2833.9	2744.0	2646.3	2519.6	2389.2	2240.3
-17.5°	3182.8	3110.1	3032.9	2962.0	2892.9	2816.2	2721.3	2617.4	2495.1	2360.4	2212.2
-20°	3181.1	3096.5	3016.8	2939.7	2867.4	2789.5	2691.6	2588.7	2460.1	2323.1	2175.9



REPORT NUMBER: P645371 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3148.6	3072.0	2991.4	2907.8	2836.6	2754.0	2658.2	2551.7	2414.7	2282.2	2129.7
-25°	3112.9	3035.4	2952.2	2874.4	2798.6	2716.6	2618.1	2497.4	2367.3	2229.4	2073.6
-27.5°	3070.6	2989.3	2903.3	2824.2	2744.0	2663.3	2561.5	2439.8	2314.6	2163.9	2012.6
-30°	3013.6	2929.6	2842.0	2751.4	2678.2	2595.9	2495.2	2377.1	2242.6	2093.8	1949.8
-32.5°	2936.2	2857.2	2769.5	2683.4	2607.0	2520.6	2419.0	2301.7	2160.5	2019.8	1870.0
-35°	2857.5	2775.6	2692.1	2611.1	2530.6	2440.1	2336.3	2208.6	2073.7	1934.3	1778.8
-37.5°	2767.6	2682.4	2603.9	2526.9	2443.8	2351.1	2236.6	2113.2	1981.7	1828.4	1680.4
-40°	2671.1	2589.0	2503.2	2427.1	2338.5	2245.0	2134.4	2014.5	1869.8	1718.3	1579.2
-42.5°	2556.5	2474.4	2386.1	2301.3	2215.3	2126.4	2026.4	1896.7	1753.3	1610.4	1466.0
-45°	2418.1	2335.9	2249.1	2161.7	2081.2	1994.8	1901.8	1763.5	1621.9	1485.7	1347.1
-47.5°	2262.3	2182.7	2098.9	2012.3	1935.8	1849.0	1735.7	1607.0	1481.7	1352.1	1210.2
-50°	2093.2	2017.4	1940.0	1859.6	1773.6	1675.7	1567.0	1454.7	1330.6	1197.5	1067.9
-52.5°	1908.3	1839.0	1765.9	1688.6	1599.8	1502.7	1400.8	1281.6	1157.8	1044.9	927.0
-55°	1715.4	1646.9	1574.7	1497.5	1414.7	1318.6	1213.1	1104.7	1003.6	899.1	809.2
-57.5°	1501.9	1437.0	1368.2	1295.4	1218.9	1129.5	1036.9	944.9	864.9	783.7	702.1
-60°	1273.8	1213.3	1154.7	1090.1	1019.4	942.5	875.0	807.1	739.2	674.5	608.7
-62.5°	1052.8	1002.1	949.5	897.1	843.4	787.8	731.9	679.5	626.0	571.1	522.7
-65°	843.9	805.4	763.9	727.6	689.6	649.4	604.4	563.4	524.4	484.2	443.1
-67.5°	668.6	641.1	611.8	583.2	557.1	529.3	497.7	464.5	433.6	403.9	373.6
-70°	524.5	506.3	487.2	466.3	445.5	424.6	401.3	376.9	352.2	329.8	308.5
-72.5°	402.6	390.0	375.5	360.5	344.5	330.2	314.3	297.8	281.1	264.1	248.0
-75°	311.5	302.4	292.4	281.2	267.6	251.5	239.6	231.6	221.5	209.1	195.7
-77.5°	246.3	239.7	232.6	223.0	213.1	202.9	192.8	182.8	172.9	163.6	155.0
-80°	181.3	178.1	174.2	166.3	158.3	150.4	142.9	136.8	131.0	124.7	116.9
-82.5°	106.4	106.1	104.9	100.5	96.0	91.6	87.3	83.0	78.5	73.7	68.9
-85°	34.4	36.2	37.8	38.5	38.9	39.1	38.8	37.7	36.4	34.9	33.3
-87.5°	7.5	7.5	7.5	7.8	8.1	8.3	8.5	9.0	9.3	9.6	9.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645371 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-730-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	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	1.1	1.1
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	1.1	1.2
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	1.1	1.3
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.9	1.1	1.3
72.5°	0.7	0.7	0.7	0.8	0.9	0.9	0.8	0.8	0.9	1.1	1.3
70°	0.8	0.7	0.7	0.8	1.0	1.1	1.1	1.1	1.0	1.1	1.3
67.5°	1.0	1.1	1.0	1.0	1.0	1.2	1.4	1.6	1.6	1.2	1.3
65°	1.1	1.2	1.5	2.0	1.7	1.2	1.4	2.7	2.2	1.9	1.3
62.5°	2.3	1.3	4.4	5.9	3.3	2.6	2.1	6.1	3.8	2.6	1.9
60°	5.4	4.5	12.3	19.6	13.7	4.6	6.8	10.5	9.7	3.4	2.6
57.5°	51.0	17.5	25.4	36.7	36.1	19.6	14.3	19.1	16.4	9.5	3.7
55°	108.9	91.6	60.5	55.4	59.8	48.3	31.5	30.9	25.3	17.6	6.0
52.5°	149.4	155.9	135.7	94.8	82.6	78.6	61.4	44.8	39.8	26.4	15.3
50°	216.2	201.4	199.4	167.4	115.8	104.8	90.6	69.9	55.8	37.7	25.8
47.5°	305.5	268.3	248.7	234.3	184.7	133.6	118.9	95.6	73.4	54.3	36.8
45°	436.5	346.8	308.8	285.5	253.1	187.9	148.9	120.5	95.7	72.8	48.3
42.5°	568.1	448.4	377.4	339.7	306.1	249.1	180.9	149.3	117.4	91.7	62.9
40°	684.3	553.2	449.5	401.1	358.1	308.3	232.7	180.2	138.6	111.2	79.5
37.5°	824.2	672.5	532.5	465.4	413.5	357.8	285.2	212.4	164.2	131.6	96.2
35°	959.5	826.9	625.4	543.1	475.2	408.5	335.8	250.4	195.6	152.4	112.8
32.5°	1104.8	972.1	765.7	629.8	539.1	460.3	383.1	296.6	227.2	173.4	129.4
30°	1219.2	1067.7	888.8	716.7	608.5	518.1	430.4	341.0	258.9	194.6	146.2
27.5°	1279.8	1150.4	986.0	813.5	686.7	577.4	479.1	383.4	290.5	217.9	163.6
25°	1342.5	1208.7	1055.4	898.1	764.0	640.2	527.6	423.8	325.0	244.1	180.9
22.5°	1417.5	1258.2	1114.0	965.2	843.6	703.8	578.4	464.7	359.5	269.9	197.8
20°	1492.8	1304.3	1171.8	1056.4	921.8	772.6	631.6	504.6	392.1	295.0	214.5
17.5°	1571.9	1387.8	1269.9	1145.5	999.7	839.3	683.9	543.3	422.7	319.3	230.6
15°	1709.5	1512.9	1368.7	1232.1	1077.2	903.5	735.0	580.5	451.2	342.6	245.6
12.5°	1834.4	1629.3	1467.6	1315.9	1153.5	964.7	784.3	615.8	477.5	361.2	259.0
10°	1937.8	1737.3	1565.4	1396.4	1227.5	1022.5	831.3	644.7	493.4	375.1	271.3
7.5°	2022.5	1837.1	1660.7	1472.9	1291.0	1060.2	855.0	661.4	505.7	386.9	282.6
5°	2083.6	1903.7	1711.3	1499.6	1310.9	1075.7	871.1	675.1	515.6	396.7	292.7
2.5°	2101.3	1924.2	1730.3	1514.1	1324.3	1085.7	882.6	685.5	523.2	404.7	301.7
0°	2111.5	1937.7	1742.2	1523.1	1331.2	1090.5	889.5	692.7	528.6	411.0	309.5
-2.5°	2125.9	1949.3	1753.7	1546.2	1335.7	1105.1	893.4	697.4	535.4	413.3	314.1
-5°	2133.0	1953.8	1759.2	1561.7	1334.5	1113.8	893.0	698.9	539.8	414.0	317.4
-7.5°	2129.9	1952.3	1759.5	1566.6	1328.5	1115.9	888.1	697.3	541.6	413.5	319.5
-10°	2120.3	1944.3	1752.7	1554.0	1322.9	1108.0	879.5	692.9	540.5	411.7	320.3
-12.5°	2105.7	1929.5	1739.0	1535.9	1311.4	1091.7	869.3	685.3	536.2	408.9	319.7
-15°	2086.7	1908.0	1718.1	1512.9	1292.3	1070.1	854.0	674.2	527.7	405.6	317.9
-17.5°	2062.4	1879.9	1690.0	1485.6	1265.5	1043.3	833.4	659.9	517.0	401.7	314.0
-20°	2019.0	1842.2	1654.3	1454.6	1230.7	1011.5	807.5	642.2	504.4	396.1	308.6



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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°	1970.2	1795.6	1609.7	1412.8	1188.7	975.0	776.2	621.1	489.8	388.8	302.0
-25°	1918.2	1743.1	1558.0	1354.9	1142.4	936.5	744.9	596.8	473.4	379.7	294.4
-27.5°	1857.1	1683.5	1499.3	1291.1	1088.6	891.7	714.8	575.2	457.4	369.0	285.7
-30°	1788.5	1613.6	1426.1	1223.1	1029.6	839.9	681.1	552.2	444.0	357.2	276.0
-32.5°	1709.7	1536.5	1344.9	1153.4	967.3	784.9	643.8	527.6	428.4	344.7	267.1
-35°	1620.2	1446.8	1258.8	1078.6	901.3	740.6	607.4	501.4	410.8	331.2	257.7
-37.5°	1526.8	1350.5	1172.7	1000.5	831.1	692.5	574.7	475.6	391.1	316.7	247.3
-40°	1420.3	1251.5	1082.3	920.1	770.3	640.9	539.3	450.1	372.5	301.3	235.9
-42.5°	1310.5	1147.5	988.1	834.9	710.4	598.9	502.2	422.7	352.9	286.5	223.5
-45°	1192.2	1037.8	887.9	763.2	649.4	554.4	469.8	394.3	331.9	271.2	210.8
-47.5°	1067.3	922.2	796.8	688.4	597.5	509.8	435.2	369.7	309.9	254.9	198.0
-50°	935.1	814.6	712.9	623.5	541.7	469.5	400.8	343.9	289.7	236.9	184.6
-52.5°	817.9	721.3	637.2	560.7	492.4	427.2	371.2	317.4	268.9	219.7	170.7
-55°	717.5	638.3	567.3	503.6	443.5	390.9	340.4	294.0	247.6	202.4	156.5
-57.5°	630.8	561.5	504.8	449.4	399.8	354.9	312.3	270.0	227.1	184.5	145.2
-60°	547.4	495.8	445.3	400.8	358.7	320.6	285.9	246.1	206.5	166.6	132.8
-62.5°	475.5	431.4	393.2	354.4	319.5	288.5	259.2	222.6	185.2	150.1	119.3
-65°	408.1	374.2	341.7	310.7	281.8	255.5	231.8	198.6	163.9	132.5	105.2
-67.5°	344.0	318.5	293.0	267.0	244.2	222.9	202.6	172.7	141.7	114.0	91.3
-70°	286.8	265.0	245.0	225.7	207.2	189.5	170.4	145.1	118.4	97.5	77.0
-72.5°	232.8	216.9	200.2	184.4	170.7	155.1	137.5	117.8	99.1	80.6	62.4
-75°	182.8	172.3	160.6	148.0	135.2	121.3	109.7	95.9	79.6	63.5	50.3
-77.5°	146.3	136.0	124.3	114.2	105.7	96.2	85.7	73.7	60.7	49.4	38.9
-80°	107.9	100.0	93.4	87.6	79.7	71.1	62.3	53.6	44.2	35.4	27.3
-82.5°	65.8	64.1	62.3	59.6	53.0	46.6	40.3	34.0	27.3	21.1	17.5
-85°	32.9	32.3	31.3	29.9	25.9	21.9	20.1	18.2	16.0	13.8	11.7
-87.5°	10.8	11.6	12.3	12.8	11.9	11.0	10.1	9.1	8.0	6.9	5.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.3	0.2	0.2	0.1	0.1	0.0
85°	0.7	0.6	0.5	0.4	0.2	0.2	0.0
82.5°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
80°	1.4	1.2	1.0	0.7	0.5	0.3	0.0
77.5°	1.4	1.4	1.2	0.9	0.6	0.4	0.0
75°	1.4	1.5	1.4	1.1	0.7	0.5	0.0
72.5°	1.4	1.5	1.5	1.3	0.9	0.5	0.0
70°	1.5	1.6	1.5	1.4	1.0	0.6	0.0
67.5°	1.6	1.6	1.6	1.5	1.1	0.7	0.0
65°	1.9	1.9	1.7	1.6	1.2	0.8	0.0
62.5°	2.2	2.3	1.8	1.6	1.4	0.8	0.0
60°	2.6	2.8	1.8	1.7	1.5	0.9	0.0
57.5°	4.8	3.4	2.4	1.8	1.6	1.0	0.0
55°	7.6	4.0	3.0	1.8	1.6	1.0	0.0
52.5°	10.9	5.1	3.6	1.9	1.7	1.1	0.0
50°	14.7	8.7	4.2	2.0	1.8	1.2	0.0
47.5°	19.7	12.5	4.9	2.2	1.9	1.2	0.0
45°	29.8	16.6	5.6	2.7	2.0	1.3	0.0
42.5°	40.0	21.0	6.3	3.3	2.1	1.4	0.0
40°	50.5	25.6	8.5	3.9	2.2	1.4	0.0
37.5°	61.2	30.5	12.1	4.8	2.2	1.5	0.0
35°	72.1	37.9	15.8	5.7	2.3	1.6	0.0
32.5°	83.9	46.4	19.5	6.7	2.4	1.6	0.0
30°	97.4	54.9	23.2	7.8	2.5	1.7	0.0
27.5°	110.6	63.3	27.9	9.0	2.6	1.7	0.0
25°	123.5	71.6	32.6	10.2	2.7	1.8	0.0
22.5°	136.0	80.0	37.4	11.5	2.8	1.8	0.0
20°	148.1	89.1	42.1	12.9	2.9	1.9	0.0
17.5°	160.1	97.9	46.7	14.2	3.0	1.9	0.0
15°	171.6	106.3	51.2	15.6	3.1	1.9	0.0
12.5°	182.4	114.3	55.6	16.9	3.1	2.0	0.0
10°	192.4	121.9	59.7	18.3	3.2	2.0	0.0
7.5°	201.5	129.0	63.7	19.6	3.3	2.0	0.0
5°	209.9	135.6	67.3	20.8	3.4	2.1	0.0
2.5°	217.4	141.5	70.7	21.9	3.4	2.1	0.0
0°	224.0	146.8	73.7	23.0	3.5	2.1	0.0
-2.5°	227.3	150.1	76.5	24.5	4.0	2.2	0.0
-5°	229.7	152.8	78.9	25.9	4.6	2.3	0.0
-7.5°	231.2	154.7	80.8	27.1	5.1	2.4	0.0
-10°	231.9	155.9	82.3	28.2	5.6	2.5	0.0
-12.5°	231.8	156.4	83.3	29.1	6.1	2.6	0.0
-15°	230.8	156.1	83.8	29.8	6.5	2.7	0.0
-17.5°	229.1	155.2	83.7	30.3	6.9	2.8	0.0
-20°	226.5	153.5	83.1	30.6	7.3	2.9	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	222.7	151.2	82.0	30.7	7.7	2.9	0.0
-25°	218.0	147.5	80.2	30.5	8.0	3.0	0.0
-27.5°	212.5	143.0	77.9	30.1	8.2	3.0	0.0
-30°	206.1	137.9	75.0	29.5	8.5	3.0	0.0
-32.5°	198.8	132.1	71.6	28.7	8.6	3.0	0.0
-35°	191.0	125.7	67.8	27.5	8.7	3.0	0.0
-37.5°	182.5	119.4	63.6	26.2	8.8	3.0	0.0
-40°	173.4	113.6	59.0	24.5	8.8	3.0	0.0
-42.5°	163.7	107.3	55.6	22.8	8.8	2.9	0.0
-45°	153.3	100.7	53.2	21.0	8.7	2.9	0.0
-47.5°	142.4	93.8	50.5	18.9	8.5	2.8	0.0
-50°	133.3	86.4	47.3	18.3	8.3	2.7	0.0
-52.5°	124.1	78.7	43.7	17.9	8.0	2.6	0.0
-55°	114.6	72.8	39.7	17.4	7.7	2.5	0.0
-57.5°	104.7	66.9	35.3	16.6	7.4	2.4	0.0
-60°	94.7	60.4	30.7	15.7	6.9	2.3	0.0
-62.5°	85.6	53.5	28.5	14.6	6.5	2.1	0.0
-65°	75.8	46.0	26.0	13.3	6.1	2.0	0.0
-67.5°	65.4	39.8	23.3	11.9	5.6	1.8	0.0
-70°	54.4	34.8	20.3	10.3	5.0	1.6	0.0
-72.5°	46.0	29.5	17.0	9.1	4.5	1.4	0.0
-75°	37.6	23.8	13.5	7.9	3.9	1.2	0.0
-77.5°	28.8	17.9	11.2	6.7	3.3	1.0	0.0
-80°	19.7	13.6	9.0	5.4	2.6	0.8	0.0
-82.5°	14.5	10.3	6.8	4.1	2.0	0.6	0.0
-85°	9.7	6.9	4.6	2.7	1.3	0.4	0.0
-87.5°	4.9	3.5	2.3	1.4	0.7	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)