

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: P645363 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2B-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645363 (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-SA2B-740-U-LAM-VSR-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

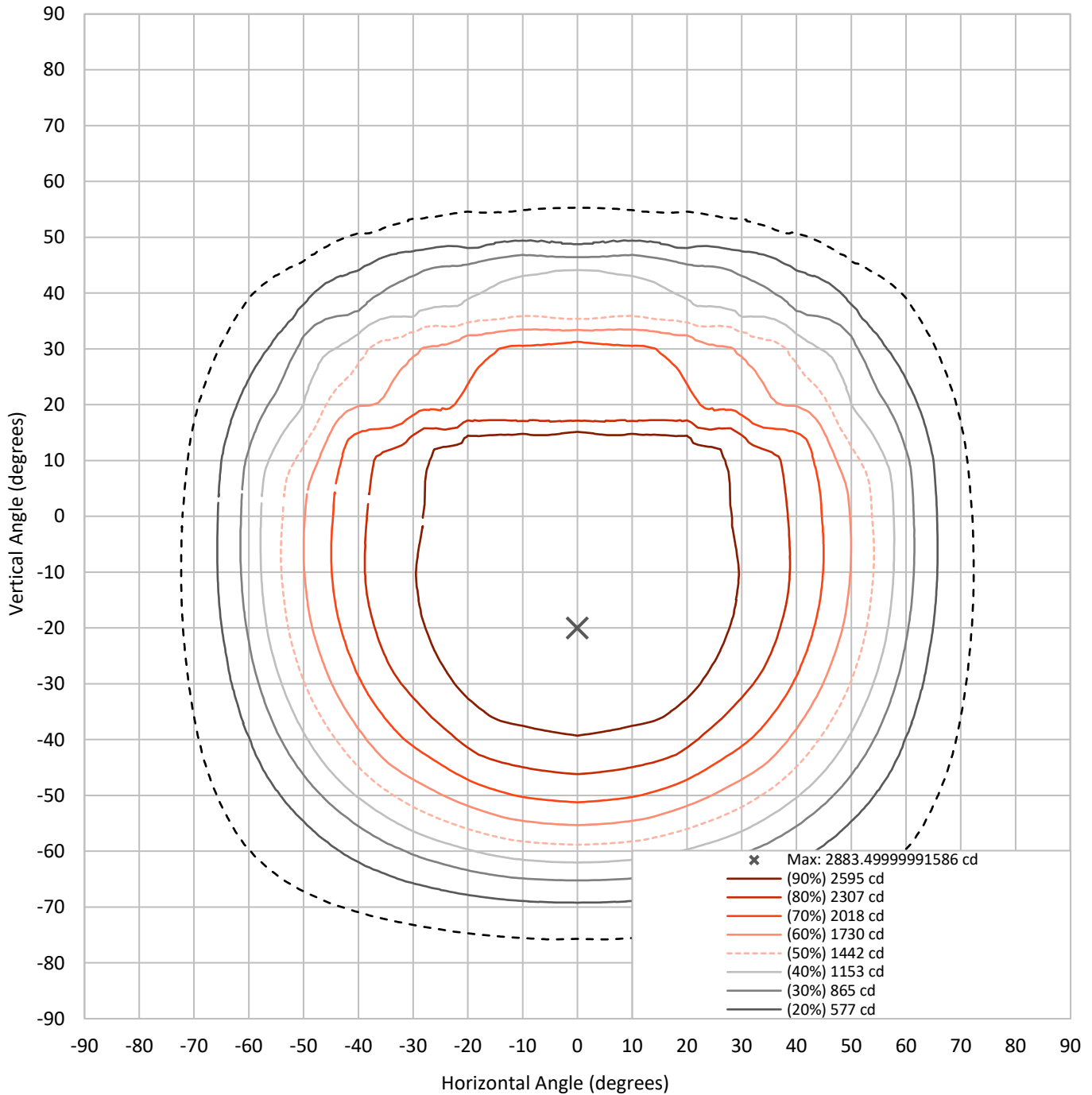
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	6761.2 lumens	Max Intensity:	2883.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	106.3 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:	5285.5 lumens	Field Lumens:	6627 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	63.6		
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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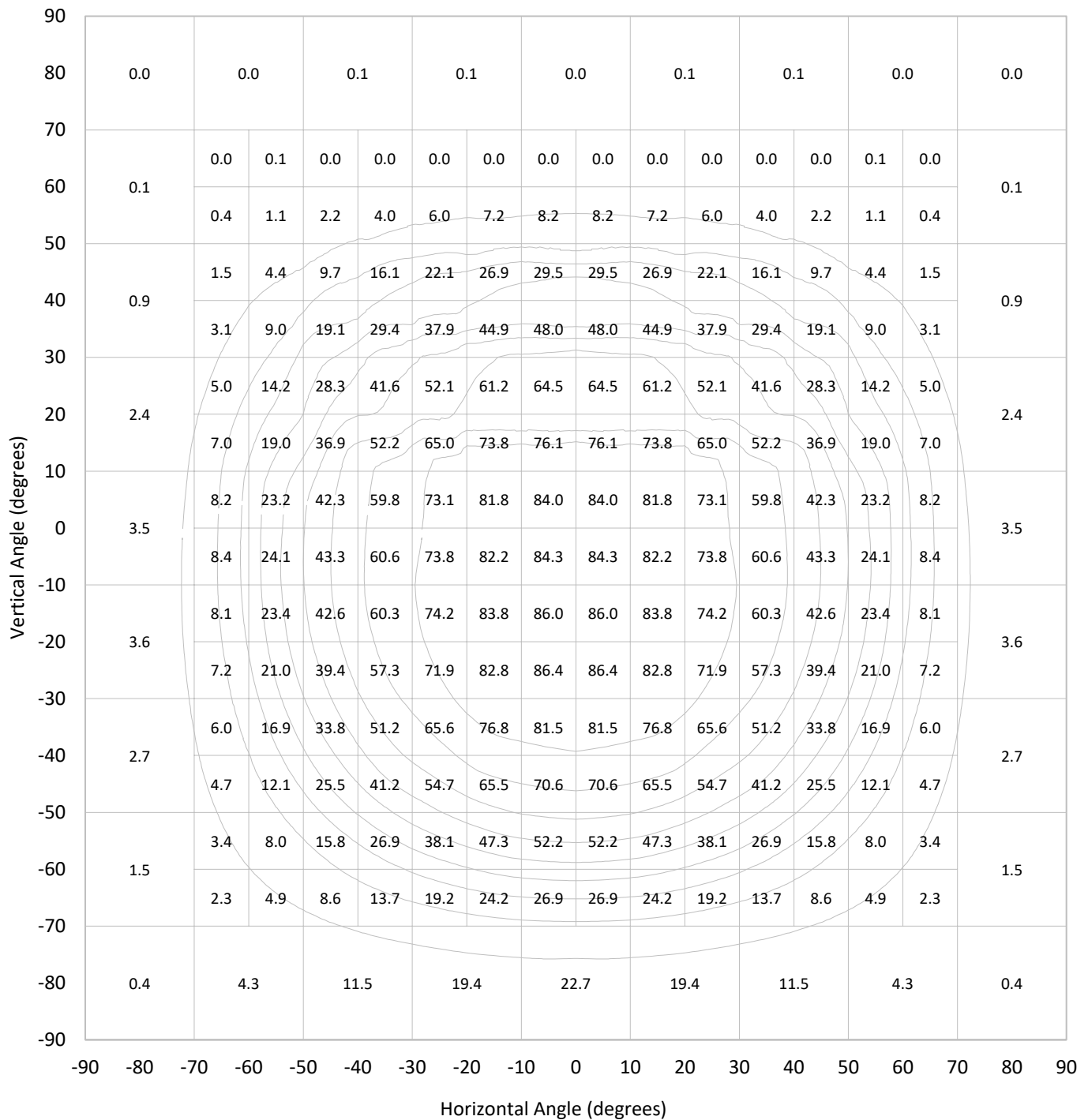
### Iso-Candela Plot





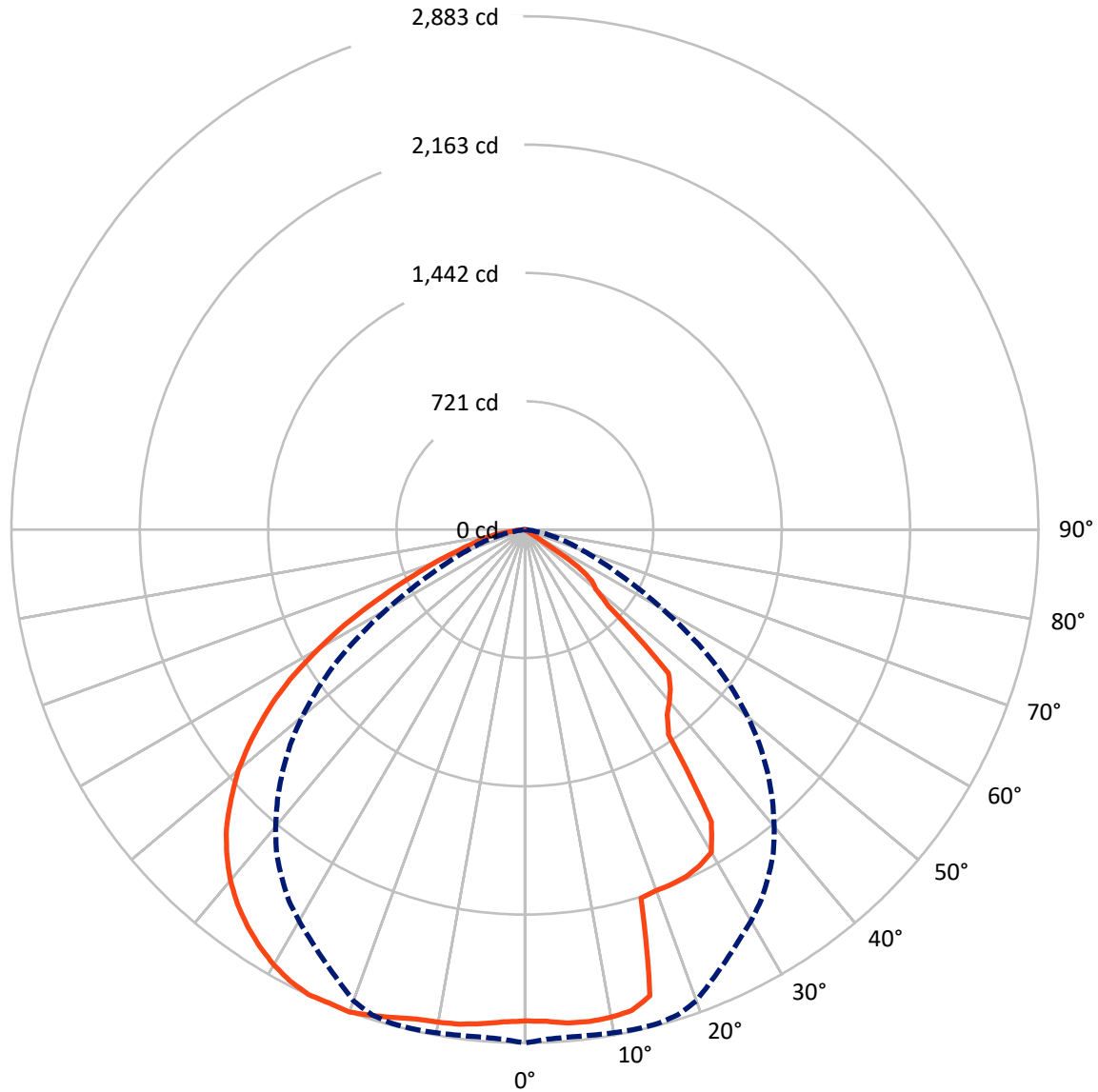
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### Lumen Table



REPORT NUMBER: P645363 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot

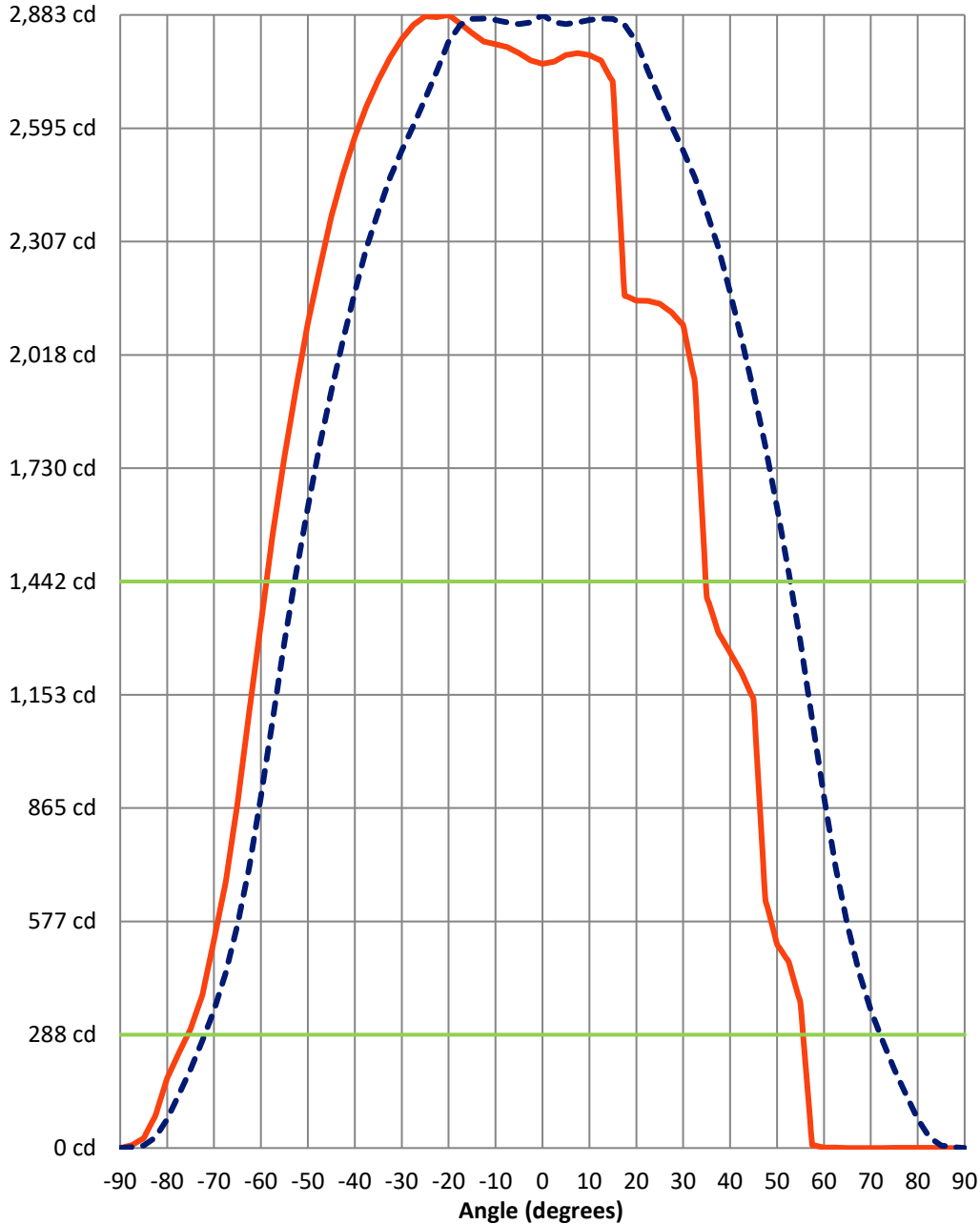


— Vertical Distribution Through 0-Deg    - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 5285.5  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 6627  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 134.2  
 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	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5
82.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.0	0.9	0.8	0.6
80°	0.0	0.3	0.4	0.6	0.8	1.0	1.2	1.1	0.9	0.8	0.6
77.5°	0.0	0.3	0.5	0.8	1.0	1.2	1.2	1.1	0.9	0.8	0.6
75°	0.0	0.4	0.6	0.9	1.2	1.2	1.2	1.1	0.9	0.8	0.6
72.5°	0.0	0.5	0.7	1.1	1.3	1.3	1.2	1.1	1.0	0.8	0.7
70°	0.0	0.5	0.8	1.2	1.3	1.3	1.3	1.1	1.0	0.8	1.0
67.5°	0.0	0.6	1.0	1.3	1.4	1.4	1.4	1.1	1.0	1.3	1.4
65°	0.0	0.6	1.1	1.3	1.4	1.6	1.6	1.1	1.6	1.9	2.4
62.5°	0.0	0.7	1.2	1.4	1.5	2.0	1.9	1.6	2.3	3.4	5.3
60°	0.0	0.8	1.3	1.5	1.6	2.5	2.3	2.3	3.0	8.5	9.3
57.5°	0.0	0.8	1.3	1.5	2.1	2.9	4.2	3.3	8.4	14.5	16.8
55°	0.0	0.9	1.4	1.6	2.6	3.5	6.7	5.3	15.5	22.4	27.3
52.5°	0.0	1.0	1.5	1.6	3.1	4.5	9.6	13.5	23.3	35.2	39.6
50°	0.0	1.0	1.6	1.7	3.7	7.6	13.0	22.8	33.3	49.3	61.9
47.5°	0.0	1.1	1.6	1.9	4.3	11.0	17.5	32.5	48.0	65.0	84.6
45°	0.0	1.1	1.7	2.4	4.9	14.7	26.3	42.7	64.5	84.7	106.7
42.5°	0.0	1.2	1.8	2.8	5.6	18.6	35.4	55.7	81.2	103.9	132.2
40°	0.0	1.2	1.9	3.4	7.5	22.6	44.7	70.4	98.4	122.7	159.5
37.5°	0.0	1.3	1.9	4.2	10.7	27.0	54.2	85.1	116.5	145.4	187.9
35°	0.0	1.3	2.0	5.0	13.9	33.5	63.8	99.9	134.9	173.2	221.6
32.5°	0.0	1.4	2.1	5.9	17.2	41.1	74.3	114.6	153.5	201.1	262.5
30°	0.0	1.4	2.2	6.9	20.6	48.6	86.2	129.4	172.2	229.2	301.8
27.5°	0.0	1.5	2.3	7.9	24.7	56.1	97.9	144.8	192.8	257.2	339.3
25°	0.0	1.5	2.4	9.0	28.9	63.4	109.3	160.1	216.1	287.7	375.1
22.5°	0.0	1.6	2.4	10.2	33.1	70.9	120.4	175.1	238.9	318.3	411.3
20°	0.0	1.6	2.5	11.4	37.2	78.9	131.1	189.8	261.1	347.1	446.7
17.5°	0.0	1.6	2.6	12.6	41.3	86.6	141.7	204.1	282.6	374.1	480.9
15°	0.0	1.7	2.7	13.8	45.3	94.1	151.9	217.4	303.3	399.4	513.8
12.5°	0.0	1.7	2.8	14.9	49.2	101.2	161.4	229.2	319.7	422.7	545.1
10°	0.0	1.7	2.8	16.1	52.9	107.9	170.3	240.1	332.0	436.7	570.6
7.5°	0.0	1.7	2.9	17.3	56.4	114.2	178.4	250.1	342.5	447.6	585.4
5°	0.0	1.8	3.0	18.3	59.6	120.0	185.7	259.0	351.2	456.4	597.5
2.5°	0.0	1.8	3.0	19.4	62.6	125.2	192.4	267.0	358.3	463.1	606.8
0°	0.0	1.8	3.1	20.3	65.3	129.9	198.2	273.9	363.8	467.9	613.1
-2.5°	0.0	1.9	3.6	21.6	67.8	132.9	201.1	277.9	365.8	473.9	617.3
-5°	0.0	2.0	4.1	22.8	69.9	135.2	203.2	280.9	366.5	477.8	618.6
-7.5°	0.0	2.1	4.5	23.9	71.6	136.9	204.6	282.8	366.0	479.4	617.2
-10°	0.0	2.2	5.0	24.9	72.9	137.9	205.2	283.5	364.4	478.5	613.3
-12.5°	0.0	2.3	5.4	25.7	73.8	138.4	205.1	283.0	361.9	474.6	606.6
-15°	0.0	2.4	5.8	26.3	74.2	138.2	204.3	281.3	359.1	467.1	596.8
-17.5°	0.0	2.4	6.2	26.8	74.1	137.3	202.8	277.9	355.6	457.7	584.1
-20°	0.0	2.5	6.5	27.0	73.6	135.9	200.4	273.1	350.6	446.5	568.4

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.5	6.8	27.1	72.5	133.8	197.1	267.3	344.1	433.6	549.8
-25°	0.0	2.6	7.1	27.0	71.0	130.6	193.0	260.5	336.1	419.0	528.3
-27.5°	0.0	2.6	7.3	26.7	68.9	126.6	188.1	252.8	326.6	404.9	509.2
-30°	0.0	2.6	7.5	26.1	66.3	122.0	182.4	244.3	316.2	393.0	488.8
-32.5°	0.0	2.7	7.6	25.4	63.3	116.9	176.0	236.4	305.1	379.3	467.0
-35°	0.0	2.6	7.7	24.4	59.9	111.3	169.0	228.0	293.1	363.6	443.9
-37.5°	0.0	2.6	7.8	23.2	56.2	105.6	161.5	218.8	280.3	346.2	421.0
-40°	0.0	2.6	7.8	21.7	52.2	100.5	153.5	208.8	266.7	329.7	398.5
-42.5°	0.0	2.6	7.8	20.2	49.2	95.0	144.9	197.8	253.5	312.3	374.2
-45°	0.0	2.5	7.7	18.6	47.1	89.1	135.7	186.6	240.1	293.8	349.0
-47.5°	0.0	2.5	7.5	16.8	44.6	83.0	126.0	175.3	225.6	274.3	327.2
-50°	0.0	2.4	7.3	16.2	41.8	76.4	117.9	163.4	209.7	256.4	304.4
-52.5°	0.0	2.3	7.1	15.9	38.7	69.6	109.8	151.0	194.4	238.0	281.0
-55°	0.0	2.2	6.8	15.4	35.1	64.5	101.4	138.5	179.1	219.1	260.2
-57.5°	0.0	2.1	6.5	14.7	31.3	59.2	92.7	128.5	163.3	201.0	239.0
-60°	0.0	2.0	6.1	13.9	27.2	53.5	83.8	117.5	147.5	182.7	217.8
-62.5°	0.0	1.9	5.8	12.9	25.3	47.3	75.8	105.5	132.8	164.0	197.0
-65°	0.0	1.7	5.3	11.8	23.1	40.8	67.1	93.1	117.3	145.1	175.8
-67.5°	0.0	1.6	4.9	10.5	20.6	35.2	57.9	80.8	100.9	125.4	152.9
-70°	0.0	1.4	4.4	9.1	17.9	30.8	48.2	68.2	86.3	104.8	128.4
-72.5°	0.0	1.3	3.9	8.0	15.0	26.1	40.8	55.3	71.4	87.7	104.3
-75°	0.0	1.1	3.4	7.0	12.0	21.1	33.3	44.5	56.2	70.4	84.9
-77.5°	0.0	0.9	2.9	5.9	9.9	15.8	25.5	34.4	43.7	53.7	65.1
-80°	0.0	0.7	2.3	4.7	8.0	12.0	17.4	24.1	31.3	39.1	47.4
-82.5°	0.0	0.6	1.8	3.6	6.0	9.1	12.8	15.5	18.7	24.2	30.1
-85°	0.0	0.4	1.2	2.4	4.0	6.1	8.6	10.3	12.2	14.1	16.1
-87.5°	0.0	0.2	0.6	1.2	2.0	3.1	4.3	5.2	6.1	7.1	8.1
-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-SA2B-740-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	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
72.5°	0.7	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.9	1.0	0.8	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.6
67.5°	1.2	1.0	0.9	0.8	0.8	0.9	0.9	0.7	0.6	0.6	0.6
65°	1.2	1.0	1.5	1.7	1.3	1.1	0.9	0.8	0.8	0.9	0.9
62.5°	1.8	2.3	2.9	5.2	3.9	1.1	2.0	2.4	1.7	1.4	1.6
60°	6.0	4.0	12.1	17.4	10.8	4.0	4.8	16.1	14.0	2.6	8.7
57.5°	12.6	17.3	31.9	32.5	22.5	15.5	45.1	52.2	39.5	23.0	35.2
55°	27.8	42.7	53.0	49.0	53.6	81.1	96.4	86.6	72.9	112.1	143.2
52.5°	54.3	69.6	73.1	83.9	120.1	138.0	132.2	141.4	183.4	227.7	237.3
50°	80.2	92.7	102.5	148.1	176.4	178.2	191.4	233.0	289.0	316.1	309.5
47.5°	105.3	118.2	163.5	207.3	220.1	237.5	270.4	350.6	409.9	411.1	404.4
45°	131.8	166.3	224.0	252.6	273.3	307.0	386.4	497.1	502.8	518.9	617.9
42.5°	160.1	220.5	270.9	300.7	334.0	396.9	502.9	575.5	600.5	670.9	750.5
40°	205.9	272.9	316.9	355.0	397.9	489.6	605.7	673.8	694.1	755.0	814.8
37.5°	252.4	316.7	366.0	411.9	471.3	595.2	729.5	785.6	795.9	807.1	939.6
35°	297.3	361.6	420.6	480.7	553.6	731.9	849.3	902.0	900.4	975.7	1114.4
32.5°	339.2	407.5	477.2	557.5	677.7	860.4	977.9	1009.5	1057.4	1166.9	1356.3
30°	381.0	458.6	538.7	634.4	786.7	945.1	1079.1	1129.9	1212.0	1337.0	1474.9
27.5°	424.1	511.1	607.9	720.1	872.7	1018.3	1132.8	1254.2	1334.0	1446.0	1544.1
25°	467.0	566.7	676.2	795.0	934.2	1069.9	1188.3	1328.5	1414.2	1504.5	1596.0
22.5°	512.0	623.0	746.7	854.3	986.0	1113.7	1254.7	1406.8	1518.2	1575.6	1637.0
20°	559.0	683.9	815.9	935.1	1037.2	1154.5	1321.4	1506.2	1650.0	1714.5	1722.9
17.5°	605.4	743.0	884.9	1013.9	1124.0	1228.4	1391.4	1625.2	1804.1	1864.1	1890.8
15°	650.6	799.7	953.5	1090.6	1211.5	1339.1	1513.1	1751.0	1955.4	2021.8	2063.8
12.5°	694.2	853.9	1020.9	1164.8	1299.0	1442.2	1623.7	1841.5	2028.1	2156.5	2233.6
10°	735.8	905.0	1086.4	1235.9	1385.5	1537.7	1715.2	1908.9	2060.7	2184.7	2294.1
7.5°	756.8	938.4	1142.7	1303.7	1469.9	1626.1	1790.1	1956.4	2084.3	2205.8	2311.6
5°	771.1	952.2	1160.3	1327.3	1514.7	1685.0	1844.3	1987.6	2099.7	2220.1	2323.5
2.5°	781.2	961.1	1172.2	1340.2	1531.6	1703.1	1859.9	1998.0	2112.4	2230.4	2336.1
0°	787.4	965.3	1178.3	1348.2	1542.1	1715.1	1869.0	2001.9	2120.8	2235.3	2349.1
-2.5°	790.9	978.2	1182.3	1368.6	1552.3	1725.4	1881.7	2011.4	2135.6	2244.6	2358.7
-5°	790.4	985.9	1181.2	1382.4	1557.2	1729.4	1888.0	2015.8	2143.7	2251.6	2362.6
-7.5°	786.1	987.7	1175.9	1386.7	1557.4	1728.0	1885.2	2017.8	2143.5	2257.9	2363.0
-10°	778.5	980.7	1171.0	1375.5	1551.4	1721.0	1876.7	2013.3	2138.5	2256.6	2361.0
-12.5°	769.5	966.3	1160.7	1359.5	1539.3	1707.9	1863.8	2001.7	2129.1	2247.0	2356.2
-15°	755.9	947.2	1143.9	1339.2	1520.8	1688.9	1847.0	1982.9	2114.7	2230.1	2342.3
-17.5°	737.7	923.4	1120.1	1315.0	1495.9	1664.0	1825.5	1958.1	2089.2	2208.4	2316.7
-20°	714.8	895.3	1089.3	1287.6	1464.3	1630.6	1787.1	1926.0	2056.3	2177.5	2291.3

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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°	687.1	863.0	1052.2	1250.5	1424.9	1589.3	1743.9	1885.0	2020.0	2137.3	2258.5
-25°	659.3	828.8	1011.2	1199.3	1379.1	1542.9	1697.8	1835.3	1973.3	2095.3	2210.5
-27.5°	632.7	789.2	963.5	1142.8	1327.1	1490.2	1643.8	1781.3	1915.3	2048.7	2159.6
-30°	602.8	743.4	911.3	1082.6	1262.3	1428.2	1583.0	1725.7	1853.2	1984.9	2104.0
-32.5°	569.9	694.8	856.2	1020.9	1190.4	1360.0	1513.4	1655.1	1787.7	1912.3	2037.2
-35°	537.7	655.5	797.7	954.7	1114.2	1280.6	1434.0	1574.5	1712.1	1835.5	1954.9
-37.5°	508.8	613.0	735.6	885.6	1038.0	1195.4	1351.4	1487.4	1618.3	1754.0	1870.5
-40°	477.4	567.3	681.9	814.4	958.0	1107.7	1257.1	1397.8	1520.9	1655.0	1783.0
-42.5°	444.6	530.2	628.8	739.0	874.6	1015.7	1160.0	1297.6	1425.4	1551.9	1678.8
-45°	415.8	490.8	574.8	675.6	785.9	918.6	1055.2	1192.4	1315.1	1435.6	1560.9
-47.5°	385.2	451.2	528.9	609.4	705.3	816.3	944.7	1071.2	1196.8	1311.5	1422.4
-50°	354.8	415.6	479.5	551.9	631.0	721.0	827.7	945.2	1060.0	1177.7	1287.6
-52.5°	328.5	378.1	435.8	496.3	564.0	638.5	723.9	820.5	924.9	1024.8	1134.4
-55°	301.3	346.0	392.6	445.8	502.2	565.0	635.0	716.2	795.9	888.3	977.8
-57.5°	276.4	314.2	353.9	397.8	446.8	497.0	558.3	621.4	693.7	765.5	836.4
-60°	253.0	283.8	317.5	354.7	394.1	438.8	484.6	538.8	597.0	654.3	714.4
-62.5°	229.4	255.3	282.8	313.7	348.0	381.8	420.9	462.6	505.5	554.1	601.5
-65°	205.1	226.1	249.4	275.0	302.4	331.2	361.2	392.1	428.5	464.2	498.6
-67.5°	179.4	197.3	216.1	236.3	259.3	281.9	304.5	330.6	357.4	383.8	411.1
-70°	150.8	167.7	183.4	199.7	216.8	234.5	253.8	273.0	291.9	311.7	333.6
-72.5°	121.8	137.3	151.1	163.2	177.2	191.9	206.0	219.5	233.8	248.8	263.6
-75°	97.1	107.4	119.7	131.0	142.1	152.5	161.8	173.2	185.1	196.0	205.0
-77.5°	75.8	85.1	93.6	101.1	110.0	120.4	129.4	137.2	144.8	153.0	161.7
-80°	55.1	62.9	70.6	77.6	82.7	88.6	95.5	103.4	110.3	115.9	121.0
-82.5°	35.6	41.2	46.9	52.8	55.1	56.8	58.3	61.0	65.3	69.5	73.5
-85°	17.8	19.4	22.9	26.4	27.7	28.5	29.1	29.5	30.9	32.2	33.4
-87.5°	8.9	9.7	10.5	11.3	10.9	10.3	9.6	8.7	8.5	8.2	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):**

	-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°	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.1	0.0	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.3
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.4
65°	0.8	0.8	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.5	0.4
62.5°	1.5	1.7	1.3	1.3	1.3	1.3	1.2	1.1	1.1	1.0	1.1
60°	9.6	5.7	3.3	3.9	3.5	2.3	2.9	3.4	3.5	3.2	2.8
57.5°	53.5	39.9	29.6	70.6	70.8	33.8	40.7	64.0	52.7	17.3	16.1
55°	148.9	178.0	234.4	222.6	226.2	260.2	284.1	251.5	246.5	262.7	303.5
52.5°	267.4	295.3	314.2	331.9	353.5	376.6	400.5	415.7	429.9	445.0	454.0
50°	341.5	380.7	407.7	397.8	453.5	476.3	453.1	473.8	499.1	506.1	509.3
47.5°	504.3	561.8	573.2	610.2	643.5	642.8	614.5	616.2	691.4	757.7	790.3
45°	724.7	726.7	762.8	828.2	875.0	860.3	899.7	989.4	1019.3	1048.2	1071.8
42.5°	810.6	846.2	903.9	961.7	996.6	1026.8	1056.0	1089.0	1127.7	1159.2	1184.3
40°	893.7	922.4	981.5	1028.1	1057.0	1085.2	1119.2	1155.7	1191.2	1218.8	1237.7
37.5°	1021.7	1043.9	1058.3	1101.6	1156.2	1131.0	1195.5	1241.9	1263.0	1291.1	1293.6
35°	1215.3	1200.6	1181.4	1353.5	1363.8	1305.7	1366.1	1437.9	1400.0	1478.8	1521.2
32.5°	1387.0	1384.8	1535.0	1625.5	1573.4	1615.9	1755.1	1749.0	1841.8	1884.8	1872.6
30°	1548.7	1603.9	1690.8	1758.1	1767.2	1834.2	1896.0	1950.2	2006.2	2056.4	2059.9
27.5°	1630.8	1702.8	1761.8	1800.8	1844.3	1900.7	1956.8	2017.8	2065.5	2097.0	2104.6
25°	1680.5	1754.0	1798.7	1840.7	1888.7	1937.3	2000.2	2066.6	2104.9	2124.3	2130.5
22.5°	1724.3	1790.4	1838.4	1872.5	1924.1	1976.4	2035.0	2091.3	2132.8	2141.3	2144.4
20°	1766.4	1829.9	1910.1	1960.3	1957.7	2016.7	2073.1	2117.9	2152.5	2152.3	2153.2
17.5°	1888.3	1911.0	2056.5	2167.0	2112.3	2083.4	2238.6	2241.6	2250.8	2232.5	2192.8
15°	2068.9	2110.1	2288.9	2408.6	2370.9	2368.9	2593.1	2537.6	2585.4	2572.9	2626.7
12.5°	2260.1	2308.9	2442.5	2560.1	2616.1	2629.9	2704.8	2775.0	2789.4	2783.7	2773.1
10°	2390.3	2459.9	2513.6	2585.0	2641.5	2699.1	2742.5	2792.9	2809.4	2799.9	2786.4
7.5°	2407.3	2476.1	2539.1	2601.8	2655.6	2702.0	2747.0	2788.0	2804.8	2799.3	2790.0
5°	2418.1	2480.4	2541.5	2605.0	2656.5	2699.5	2744.4	2786.0	2795.9	2789.2	2780.1
2.5°	2424.7	2482.4	2541.2	2604.6	2651.3	2692.2	2737.7	2782.0	2781.9	2779.0	2773.7
0°	2427.9	2485.8	2554.1	2611.4	2663.7	2702.5	2747.4	2790.5	2787.5	2779.5	2770.2
-2.5°	2434.9	2493.5	2563.2	2610.6	2669.7	2705.2	2751.6	2789.0	2787.5	2783.6	2779.0
-5°	2441.0	2507.0	2572.2	2622.1	2681.3	2727.7	2773.8	2803.0	2804.6	2799.1	2791.4
-7.5°	2444.8	2517.9	2580.2	2630.3	2687.6	2741.6	2788.4	2819.0	2819.7	2812.5	2803.2
-10°	2443.6	2520.7	2584.8	2636.6	2695.3	2748.6	2797.6	2836.4	2835.2	2828.3	2820.4
-12.5°	2438.9	2516.0	2581.8	2633.8	2700.4	2755.3	2810.4	2849.0	2851.1	2845.9	2837.4
-15°	2428.8	2508.3	2572.4	2629.1	2694.4	2758.6	2815.2	2857.8	2865.4	2861.2	2854.5
-17.5°	2408.7	2492.7	2560.6	2621.7	2684.4	2752.8	2817.2	2863.8	2874.2	2872.5	2866.9
-20°	2382.4	2469.1	2537.9	2602.0	2670.3	2740.8	2815.7	2858.3	2873.4	2874.3	2870.5



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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°	2352.8	2437.7	2510.8	2573.7	2647.7	2719.1	2786.9	2836.8	2862.1	2866.9	2867.2
-25°	2317.3	2404.6	2477.2	2544.2	2613.1	2686.8	2755.3	2811.0	2836.7	2848.9	2852.8
-27.5°	2267.3	2357.4	2428.9	2499.7	2569.8	2645.9	2717.9	2778.5	2799.4	2816.2	2823.0
-30°	2208.6	2297.7	2370.6	2435.4	2515.5	2593.1	2667.4	2720.2	2751.8	2771.1	2781.6
-32.5°	2141.1	2231.1	2307.5	2375.2	2451.4	2529.0	2598.9	2654.6	2698.0	2720.3	2731.6
-35°	2067.9	2159.8	2239.8	2311.1	2382.8	2456.8	2529.3	2587.5	2637.0	2656.1	2670.3
-37.5°	1979.7	2081.0	2163.1	2236.6	2304.7	2374.2	2449.7	2516.3	2564.4	2582.9	2597.8
-40°	1889.1	1987.1	2069.9	2148.3	2215.7	2291.6	2364.3	2434.1	2475.8	2497.4	2514.3
-42.5°	1793.6	1882.1	1960.8	2037.0	2112.0	2190.2	2262.8	2335.4	2371.4	2397.5	2418.2
-45°	1683.3	1765.6	1842.1	1913.5	1990.8	2067.6	2140.3	2204.4	2247.3	2281.3	2307.7
-47.5°	1536.3	1636.6	1713.4	1781.2	1857.9	1932.0	2002.4	2062.7	2109.8	2149.5	2180.2
-50°	1387.0	1483.2	1569.8	1646.0	1717.1	1785.7	1852.8	1911.7	1961.5	2004.5	2035.6
-52.5°	1239.9	1330.0	1416.0	1494.6	1563.0	1627.7	1689.1	1748.4	1800.9	1847.0	1877.0
-55°	1073.7	1167.1	1252.1	1325.4	1393.8	1457.7	1518.3	1574.6	1626.3	1673.2	1702.0
-57.5°	917.8	999.7	1078.8	1146.5	1211.0	1271.9	1329.3	1383.2	1433.0	1477.2	1504.9
-60°	774.5	834.3	902.4	964.8	1022.0	1073.8	1127.4	1177.6	1223.4	1262.1	1288.0
-62.5°	647.9	697.4	746.5	794.1	840.4	887.0	931.9	973.5	1011.7	1043.5	1066.2
-65°	535.0	574.8	610.3	644.0	676.1	712.9	747.0	779.1	808.8	833.1	850.4
-67.5°	440.5	468.5	493.1	516.2	541.5	567.5	591.8	613.0	631.2	645.6	657.0
-70°	355.2	375.8	394.4	412.8	431.3	448.2	464.3	479.9	494.7	506.8	515.8
-72.5°	278.2	292.3	304.9	319.1	332.4	345.2	356.4	365.4	372.3	379.1	385.0
-75°	212.1	222.7	236.9	248.9	258.9	267.7	275.7	282.9	289.2	294.8	299.7
-77.5°	170.6	179.5	188.6	197.4	205.9	212.2	218.0	223.9	229.6	234.6	239.0
-80°	126.4	133.1	140.1	147.1	154.2	157.6	160.4	163.0	165.3	168.2	171.0
-82.5°	77.3	81.1	85.0	88.9	92.9	93.9	94.2	94.1	93.6	92.5	90.9
-85°	34.4	34.6	34.5	34.1	33.5	32.1	30.4	28.5	26.3	26.0	25.6
-87.5°	7.5	7.4	7.2	7.0	6.7	6.7	6.7	6.6	6.6	6.8	7.0
-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):**

	-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	0.1
85°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.3	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.3	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6
67.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.6	0.6
65°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.7	0.7
62.5°	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.1	1.1
60°	2.2	1.4	1.2	1.2	1.2	1.4	2.2	2.8	3.2	3.5	3.4
57.5°	13.6	10.1	8.6	8.0	8.6	10.1	13.6	16.1	17.3	52.7	64.0
55°	332.7	349.6	362.3	368.1	362.3	349.6	332.7	303.5	262.7	246.5	251.5
52.5°	461.9	469.3	473.6	473.4	473.6	469.3	461.9	454.0	445.0	429.9	415.7
50°	514.9	518.4	519.7	519.0	519.7	518.4	514.9	509.3	506.1	499.1	473.8
47.5°	760.5	694.7	646.3	634.7	646.3	694.7	760.5	790.3	757.7	691.4	616.2
45°	1083.2	1108.1	1133.0	1140.7	1133.0	1108.1	1083.2	1071.8	1048.2	1019.3	989.4
42.5°	1194.9	1203.0	1207.7	1207.8	1207.7	1203.0	1194.9	1184.3	1159.2	1127.7	1089.0
40°	1248.2	1255.9	1260.4	1260.8	1260.4	1255.9	1248.2	1237.7	1218.8	1191.2	1155.7
37.5°	1296.7	1303.2	1307.5	1311.9	1307.5	1303.2	1296.7	1293.6	1291.1	1263.0	1241.9
35°	1515.5	1465.9	1394.6	1405.4	1394.6	1465.9	1515.5	1521.2	1478.8	1400.0	1437.9
32.5°	1891.8	1912.6	1925.6	1947.8	1925.6	1912.6	1891.8	1872.6	1884.8	1841.8	1749.0
30°	2065.4	2072.3	2082.7	2093.7	2082.7	2072.3	2065.4	2059.9	2056.4	2006.2	1950.2
27.5°	2108.7	2115.8	2122.1	2126.9	2122.1	2115.8	2108.7	2104.6	2097.0	2065.5	2017.8
25°	2131.4	2135.8	2142.5	2148.5	2142.5	2135.8	2131.4	2130.5	2124.3	2104.9	2066.6
22.5°	2142.6	2143.1	2148.4	2155.8	2148.4	2143.1	2142.6	2144.4	2141.3	2132.8	2091.3
20°	2150.4	2146.2	2151.6	2156.5	2151.6	2146.2	2150.4	2153.2	2152.3	2152.5	2117.9
17.5°	2248.8	2192.7	2169.6	2170.0	2169.6	2192.7	2248.8	2192.8	2232.5	2250.8	2241.6
15°	2566.3	2587.3	2668.1	2711.7	2668.1	2587.3	2566.3	2626.7	2572.9	2585.4	2537.6
12.5°	2771.2	2763.7	2754.1	2767.1	2754.1	2763.7	2771.2	2773.1	2783.7	2789.4	2775.0
10°	2780.7	2779.8	2762.7	2781.3	2762.7	2779.8	2780.7	2786.4	2799.9	2809.4	2792.9
7.5°	2774.8	2775.3	2768.1	2786.2	2768.1	2775.3	2774.8	2790.0	2799.3	2804.8	2788.0
5°	2778.7	2766.1	2770.9	2781.3	2770.9	2766.1	2778.7	2780.1	2789.2	2795.9	2786.0
2.5°	2767.9	2766.6	2757.4	2764.7	2757.4	2766.6	2767.9	2773.7	2779.0	2781.9	2782.0
0°	2759.8	2753.0	2753.0	2759.1	2753.0	2753.0	2759.8	2770.2	2779.5	2787.5	2790.5
-2.5°	2774.3	2772.9	2772.0	2767.8	2772.0	2772.9	2774.3	2779.0	2783.6	2787.5	2789.0
-5°	2786.3	2782.6	2772.6	2786.2	2772.6	2782.6	2786.3	2791.4	2799.1	2804.6	2803.0
-7.5°	2799.2	2789.8	2780.2	2801.6	2780.2	2789.8	2799.2	2803.2	2812.5	2819.7	2819.0
-10°	2810.9	2797.4	2788.1	2809.0	2788.1	2797.4	2810.9	2820.4	2828.3	2835.2	2836.4
-12.5°	2826.5	2810.7	2804.4	2815.8	2804.4	2810.7	2826.5	2837.4	2845.9	2851.1	2849.0
-15°	2843.0	2832.1	2830.6	2837.3	2830.6	2832.1	2843.0	2854.5	2861.2	2865.4	2857.8
-17.5°	2857.6	2849.9	2853.7	2861.3	2853.7	2849.9	2857.6	2866.9	2872.5	2874.2	2863.8
-20°	2864.5	2860.3	2864.5	2883.5	2864.5	2860.3	2864.5	2870.5	2874.3	2873.4	2858.3



REPORT NUMBER: P645363 (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°	2864.0	2864.2	2871.7	2877.9	2871.7	2864.2	2864.0	2867.2	2866.9	2862.1	2836.8
-25°	2853.0	2858.8	2867.4	2879.8	2867.4	2858.8	2853.0	2852.8	2848.9	2836.7	2811.0
-27.5°	2826.6	2836.2	2845.3	2858.2	2845.3	2836.2	2826.6	2823.0	2816.2	2799.4	2778.5
-30°	2788.6	2799.9	2808.0	2821.9	2808.0	2799.9	2788.6	2781.6	2771.1	2751.8	2720.2
-32.5°	2742.2	2755.0	2764.6	2774.5	2764.6	2755.0	2742.2	2731.6	2720.3	2698.0	2654.6
-35°	2684.2	2698.1	2708.2	2717.3	2708.2	2698.1	2684.2	2670.3	2656.1	2637.0	2587.5
-37.5°	2614.6	2629.5	2641.1	2651.4	2641.1	2629.5	2614.6	2597.8	2582.9	2564.4	2516.3
-40°	2533.4	2548.7	2561.0	2572.6	2561.0	2548.7	2533.4	2514.3	2497.4	2475.8	2434.1
-42.5°	2438.5	2454.0	2466.7	2478.4	2466.7	2454.0	2438.5	2418.2	2397.5	2371.4	2335.4
-45°	2329.0	2344.9	2358.3	2370.7	2358.3	2344.9	2329.0	2307.7	2281.3	2247.3	2204.4
-47.5°	2202.8	2219.8	2231.3	2237.1	2231.3	2219.8	2202.8	2180.2	2149.5	2109.8	2062.7
-50°	2058.1	2075.2	2089.0	2099.2	2089.0	2075.2	2058.1	2035.6	2004.5	1961.5	1911.7
-52.5°	1899.0	1915.2	1927.1	1934.2	1927.1	1915.2	1899.0	1877.0	1847.0	1800.9	1748.4
-55°	1724.7	1741.6	1752.9	1758.2	1752.9	1741.6	1724.7	1702.0	1673.2	1626.3	1574.6
-57.5°	1526.9	1543.0	1555.0	1561.8	1555.0	1543.0	1526.9	1504.9	1477.2	1433.0	1383.2
-60°	1308.2	1322.6	1331.7	1335.2	1331.7	1322.6	1308.2	1288.0	1262.1	1223.4	1177.6
-62.5°	1084.4	1098.1	1106.6	1109.9	1106.6	1098.1	1084.4	1066.2	1043.5	1011.7	973.5
-65°	863.3	871.8	876.5	877.2	876.5	871.8	863.3	850.4	833.1	808.8	779.1
-67.5°	666.0	672.5	676.5	677.8	676.5	672.5	666.0	657.0	645.6	631.2	613.0
-70°	522.6	527.1	529.6	530.0	529.6	527.1	522.6	515.8	506.8	494.7	479.9
-72.5°	389.6	392.8	391.7	389.1	391.7	392.8	389.6	385.0	379.1	372.3	365.4
-75°	303.9	307.4	306.0	303.5	306.0	307.4	303.9	299.7	294.8	289.2	282.9
-77.5°	242.8	246.1	244.4	241.9	244.4	246.1	242.8	239.0	234.6	229.6	223.9
-80°	173.4	175.3	176.6	177.3	176.6	175.3	173.4	171.0	168.2	165.3	163.0
-82.5°	88.8	86.1	84.5	82.5	84.5	86.1	88.8	90.9	92.5	93.6	94.1
-85°	25.1	24.5	24.9	25.2	24.9	24.5	25.1	25.6	26.0	26.3	28.5
-87.5°	7.2	7.4	7.4	7.4	7.4	7.4	7.2	7.0	6.8	6.6	6.6
-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):**

	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	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
65°	0.7	0.7	0.7	0.8	0.9	0.8	0.8	0.9	0.9	0.8	0.8
62.5°	1.2	1.3	1.3	1.3	1.3	1.7	1.5	1.6	1.4	1.7	2.4
60°	2.9	2.3	3.5	3.9	3.3	5.7	9.6	8.7	2.6	14.0	16.1
57.5°	40.7	33.8	70.8	70.6	29.6	39.9	53.5	35.2	23.0	39.5	52.2
55°	284.1	260.2	226.2	222.6	234.4	178.0	148.9	143.2	112.1	72.9	86.6
52.5°	400.5	376.6	353.5	331.9	314.2	295.3	267.4	237.3	227.7	183.4	141.4
50°	453.1	476.3	453.5	397.8	407.7	380.7	341.5	309.5	316.1	289.0	233.0
47.5°	614.5	642.8	643.5	610.2	573.2	561.8	504.3	404.4	411.1	409.9	350.6
45°	899.7	860.3	875.0	828.2	762.8	726.7	724.7	617.9	518.9	502.8	497.1
42.5°	1056.0	1026.8	996.6	961.7	903.9	846.2	810.6	750.5	670.9	600.5	575.5
40°	1119.2	1085.2	1057.0	1028.1	981.5	922.4	893.7	814.8	755.0	694.1	673.8
37.5°	1195.5	1131.0	1156.2	1101.6	1058.3	1043.9	1021.7	939.6	807.1	795.9	785.6
35°	1366.1	1305.7	1363.8	1353.5	1181.4	1200.6	1215.3	1114.4	975.7	900.4	902.0
32.5°	1755.1	1615.9	1573.4	1625.5	1535.0	1384.8	1387.0	1356.3	1166.9	1057.4	1009.5
30°	1896.0	1834.2	1767.2	1758.1	1690.8	1603.9	1548.7	1474.9	1337.0	1212.0	1129.9
27.5°	1956.8	1900.7	1844.3	1800.8	1761.8	1702.8	1630.8	1544.1	1446.0	1334.0	1254.2
25°	2000.2	1937.3	1888.7	1840.7	1798.7	1754.0	1680.5	1596.0	1504.5	1414.2	1328.5
22.5°	2035.0	1976.4	1924.1	1872.5	1838.4	1790.4	1724.3	1637.0	1575.6	1518.2	1406.8
20°	2073.1	2016.7	1957.7	1960.3	1910.1	1829.9	1766.4	1722.9	1714.5	1650.0	1506.2
17.5°	2238.6	2083.4	2112.3	2167.0	2056.5	1911.0	1888.3	1890.8	1864.1	1804.1	1625.2
15°	2593.1	2368.9	2370.9	2408.6	2288.9	2110.1	2068.9	2063.8	2021.8	1955.4	1751.0
12.5°	2704.8	2629.9	2616.1	2560.1	2442.5	2308.9	2260.1	2233.6	2156.5	2028.1	1841.5
10°	2742.5	2699.1	2641.5	2585.0	2513.6	2459.9	2390.3	2294.1	2184.7	2060.7	1908.9
7.5°	2747.0	2702.0	2655.6	2601.8	2539.1	2476.1	2407.3	2311.6	2205.8	2084.3	1956.4
5°	2744.4	2699.5	2656.5	2605.0	2541.5	2480.4	2418.1	2323.5	2220.1	2099.7	1987.6
2.5°	2737.7	2692.2	2651.3	2604.6	2541.2	2482.4	2424.7	2336.1	2230.4	2112.4	1998.0
0°	2747.4	2702.5	2663.7	2611.4	2554.1	2485.8	2427.9	2349.1	2235.3	2120.8	2001.9
-2.5°	2751.6	2705.2	2669.7	2610.6	2563.2	2493.5	2434.9	2358.7	2244.6	2135.6	2011.4
-5°	2773.8	2727.7	2681.3	2622.1	2572.2	2507.0	2441.0	2362.6	2251.6	2143.7	2015.8
-7.5°	2788.4	2741.6	2687.6	2630.3	2580.2	2517.9	2444.8	2363.0	2257.9	2143.5	2017.8
-10°	2797.6	2748.6	2695.3	2636.6	2584.8	2520.7	2443.6	2361.0	2256.6	2138.5	2013.3
-12.5°	2810.4	2755.3	2700.4	2633.8	2581.8	2516.0	2438.9	2356.2	2247.0	2129.1	2001.7
-15°	2815.2	2758.6	2694.4	2629.1	2572.4	2508.3	2428.8	2342.3	2230.1	2114.7	1982.9
-17.5°	2817.2	2752.8	2684.4	2621.7	2560.6	2492.7	2408.7	2316.7	2208.4	2089.2	1958.1
-20°	2815.7	2740.8	2670.3	2602.0	2537.9	2469.1	2382.4	2291.3	2177.5	2056.3	1926.0



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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°	2786.9	2719.1	2647.7	2573.7	2510.8	2437.7	2352.8	2258.5	2137.3	2020.0	1885.0
-25°	2755.3	2686.8	2613.1	2544.2	2477.2	2404.6	2317.3	2210.5	2095.3	1973.3	1835.3
-27.5°	2717.9	2645.9	2569.8	2499.7	2428.9	2357.4	2267.3	2159.6	2048.7	1915.3	1781.3
-30°	2667.4	2593.1	2515.5	2435.4	2370.6	2297.7	2208.6	2104.0	1984.9	1853.2	1725.7
-32.5°	2598.9	2529.0	2451.4	2375.2	2307.5	2231.1	2141.1	2037.2	1912.3	1787.7	1655.1
-35°	2529.3	2456.8	2382.8	2311.1	2239.8	2159.8	2067.9	1954.9	1835.5	1712.1	1574.5
-37.5°	2449.7	2374.2	2304.7	2236.6	2163.1	2081.0	1979.7	1870.5	1754.0	1618.3	1487.4
-40°	2364.3	2291.6	2215.7	2148.3	2069.9	1987.1	1889.1	1783.0	1655.0	1520.9	1397.8
-42.5°	2262.8	2190.2	2112.0	2037.0	1960.8	1882.1	1793.6	1678.8	1551.9	1425.4	1297.6
-45°	2140.3	2067.6	1990.8	1913.5	1842.1	1765.6	1683.3	1560.9	1435.6	1315.1	1192.4
-47.5°	2002.4	1932.0	1857.9	1781.2	1713.4	1636.6	1536.3	1422.4	1311.5	1196.8	1071.2
-50°	1852.8	1785.7	1717.1	1646.0	1569.8	1483.2	1387.0	1287.6	1177.7	1060.0	945.2
-52.5°	1689.1	1627.7	1563.0	1494.6	1416.0	1330.0	1239.9	1134.4	1024.8	924.9	820.5
-55°	1518.3	1457.7	1393.8	1325.4	1252.1	1167.1	1073.7	977.8	888.3	795.9	716.2
-57.5°	1329.3	1271.9	1211.0	1146.5	1078.8	999.7	917.8	836.4	765.5	693.7	621.4
-60°	1127.4	1073.8	1022.0	964.8	902.4	834.3	774.5	714.4	654.3	597.0	538.8
-62.5°	931.9	887.0	840.4	794.1	746.5	697.4	647.9	601.5	554.1	505.5	462.6
-65°	747.0	712.9	676.1	644.0	610.3	574.8	535.0	498.6	464.2	428.5	392.1
-67.5°	591.8	567.5	541.5	516.2	493.1	468.5	440.5	411.1	383.8	357.4	330.6
-70°	464.3	448.2	431.3	412.8	394.4	375.8	355.2	333.6	311.7	291.9	273.0
-72.5°	356.4	345.2	332.4	319.1	304.9	292.3	278.2	263.6	248.8	233.8	219.5
-75°	275.7	267.7	258.9	248.9	236.9	222.7	212.1	205.0	196.0	185.1	173.2
-77.5°	218.0	212.2	205.9	197.4	188.6	179.5	170.6	161.7	153.0	144.8	137.2
-80°	160.4	157.6	154.2	147.1	140.1	133.1	126.4	121.0	115.9	110.3	103.4
-82.5°	94.2	93.9	92.9	88.9	85.0	81.1	77.3	73.5	69.5	65.3	61.0
-85°	30.4	32.1	33.5	34.1	34.5	34.6	34.4	33.4	32.2	30.9	29.5
-87.5°	6.7	6.7	6.7	7.0	7.2	7.4	7.5	7.9	8.2	8.5	8.7
-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):**

	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°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.9	1.0
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.9	1.1
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.9	1.1
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.9	1.1
72.5°	0.6	0.6	0.6	0.7	0.8	0.8	0.7	0.7	0.8	1.0	1.1
70°	0.7	0.6	0.6	0.7	0.8	1.0	0.9	1.0	0.8	1.0	1.1
67.5°	0.9	0.9	0.8	0.8	0.9	1.0	1.2	1.4	1.3	1.0	1.1
65°	0.9	1.1	1.3	1.7	1.5	1.0	1.2	2.4	1.9	1.6	1.1
62.5°	2.0	1.1	3.9	5.2	2.9	2.3	1.8	5.3	3.4	2.3	1.6
60°	4.8	4.0	10.8	17.4	12.1	4.0	6.0	9.3	8.5	3.0	2.3
57.5°	45.1	15.5	22.5	32.5	31.9	17.3	12.6	16.8	14.5	8.4	3.3
55°	96.4	81.1	53.6	49.0	53.0	42.7	27.8	27.3	22.4	15.5	5.3
52.5°	132.2	138.0	120.1	83.9	73.1	69.6	54.3	39.6	35.2	23.3	13.5
50°	191.4	178.2	176.4	148.1	102.5	92.7	80.2	61.9	49.3	33.3	22.8
47.5°	270.4	237.5	220.1	207.3	163.5	118.2	105.3	84.6	65.0	48.0	32.5
45°	386.4	307.0	273.3	252.6	224.0	166.3	131.8	106.7	84.7	64.5	42.7
42.5°	502.9	396.9	334.0	300.7	270.9	220.5	160.1	132.2	103.9	81.2	55.7
40°	605.7	489.6	397.9	355.0	316.9	272.9	205.9	159.5	122.7	98.4	70.4
37.5°	729.5	595.2	471.3	411.9	366.0	316.7	252.4	187.9	145.4	116.5	85.1
35°	849.3	731.9	553.6	480.7	420.6	361.6	297.3	221.6	173.2	134.9	99.9
32.5°	977.9	860.4	677.7	557.5	477.2	407.5	339.2	262.5	201.1	153.5	114.6
30°	1079.1	945.1	786.7	634.4	538.7	458.6	381.0	301.8	229.2	172.2	129.4
27.5°	1132.8	1018.3	872.7	720.1	607.9	511.1	424.1	339.3	257.2	192.8	144.8
25°	1188.3	1069.9	934.2	795.0	676.2	566.7	467.0	375.1	287.7	216.1	160.1
22.5°	1254.7	1113.7	986.0	854.3	746.7	623.0	512.0	411.3	318.3	238.9	175.1
20°	1321.4	1154.5	1037.2	935.1	815.9	683.9	559.0	446.7	347.1	261.1	189.8
17.5°	1391.4	1228.4	1124.0	1013.9	884.9	743.0	605.4	480.9	374.1	282.6	204.1
15°	1513.1	1339.1	1211.5	1090.6	953.5	799.7	650.6	513.8	399.4	303.3	217.4
12.5°	1623.7	1442.2	1299.0	1164.8	1020.9	853.9	694.2	545.1	422.7	319.7	229.2
10°	1715.2	1537.7	1385.5	1235.9	1086.4	905.0	735.8	570.6	436.7	332.0	240.1
7.5°	1790.1	1626.1	1469.9	1303.7	1142.7	938.4	756.8	585.4	447.6	342.5	250.1
5°	1844.3	1685.0	1514.7	1327.3	1160.3	952.2	771.1	597.5	456.4	351.2	259.0
2.5°	1859.9	1703.1	1531.6	1340.2	1172.2	961.1	781.2	606.8	463.1	358.3	267.0
0°	1869.0	1715.1	1542.1	1348.2	1178.3	965.3	787.4	613.1	467.9	363.8	273.9
-2.5°	1881.7	1725.4	1552.3	1368.6	1182.3	978.2	790.9	617.3	473.9	365.8	277.9
-5°	1888.0	1729.4	1557.2	1382.4	1181.2	985.9	790.4	618.6	477.8	366.5	280.9
-7.5°	1885.2	1728.0	1557.4	1386.7	1175.9	987.7	786.1	617.2	479.4	366.0	282.8
-10°	1876.7	1721.0	1551.4	1375.5	1171.0	980.7	778.5	613.3	478.5	364.4	283.5
-12.5°	1863.8	1707.9	1539.3	1359.5	1160.7	966.3	769.5	606.6	474.6	361.9	283.0
-15°	1847.0	1688.9	1520.8	1339.2	1143.9	947.2	755.9	596.8	467.1	359.1	281.3
-17.5°	1825.5	1664.0	1495.9	1315.0	1120.1	923.4	737.7	584.1	457.7	355.6	277.9
-20°	1787.1	1630.6	1464.3	1287.6	1089.3	895.3	714.8	568.4	446.5	350.6	273.1



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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°	1743.9	1589.3	1424.9	1250.5	1052.2	863.0	687.1	549.8	433.6	344.1	267.3
-25°	1697.8	1542.9	1379.1	1199.3	1011.2	828.8	659.3	528.3	419.0	336.1	260.5
-27.5°	1643.8	1490.2	1327.1	1142.8	963.5	789.2	632.7	509.2	404.9	326.6	252.8
-30°	1583.0	1428.2	1262.3	1082.6	911.3	743.4	602.8	488.8	393.0	316.2	244.3
-32.5°	1513.4	1360.0	1190.4	1020.9	856.2	694.8	569.9	467.0	379.3	305.1	236.4
-35°	1434.0	1280.6	1114.2	954.7	797.7	655.5	537.7	443.9	363.6	293.1	228.0
-37.5°	1351.4	1195.4	1038.0	885.6	735.6	613.0	508.8	421.0	346.2	280.3	218.8
-40°	1257.1	1107.7	958.0	814.4	681.9	567.3	477.4	398.5	329.7	266.7	208.8
-42.5°	1160.0	1015.7	874.6	739.0	628.8	530.2	444.6	374.2	312.3	253.5	197.8
-45°	1055.2	918.6	785.9	675.6	574.8	490.8	415.8	349.0	293.8	240.1	186.6
-47.5°	944.7	816.3	705.3	609.4	528.9	451.2	385.2	327.2	274.3	225.6	175.3
-50°	827.7	721.0	631.0	551.9	479.5	415.6	354.8	304.4	256.4	209.7	163.4
-52.5°	723.9	638.5	564.0	496.3	435.8	378.1	328.5	281.0	238.0	194.4	151.0
-55°	635.0	565.0	502.2	445.8	392.6	346.0	301.3	260.2	219.1	179.1	138.5
-57.5°	558.3	497.0	446.8	397.8	353.9	314.2	276.4	239.0	201.0	163.3	128.5
-60°	484.6	438.8	394.1	354.7	317.5	283.8	253.0	217.8	182.7	147.5	117.5
-62.5°	420.9	381.8	348.0	313.7	282.8	255.3	229.4	197.0	164.0	132.8	105.5
-65°	361.2	331.2	302.4	275.0	249.4	226.1	205.1	175.8	145.1	117.3	93.1
-67.5°	304.5	281.9	259.3	236.3	216.1	197.3	179.4	152.9	125.4	100.9	80.8
-70°	253.8	234.5	216.8	199.7	183.4	167.7	150.8	128.4	104.8	86.3	68.2
-72.5°	206.0	191.9	177.2	163.2	151.1	137.3	121.8	104.3	87.7	71.4	55.3
-75°	161.8	152.5	142.1	131.0	119.7	107.4	97.1	84.9	70.4	56.2	44.5
-77.5°	129.4	120.4	110.0	101.1	93.6	85.1	75.8	65.1	53.7	43.7	34.4
-80°	95.5	88.6	82.7	77.6	70.6	62.9	55.1	47.4	39.1	31.3	24.1
-82.5°	58.3	56.8	55.1	52.8	46.9	41.2	35.6	30.1	24.2	18.7	15.5
-85°	29.1	28.5	27.7	26.4	22.9	19.4	17.8	16.1	14.1	12.2	10.3
-87.5°	9.6	10.3	10.9	11.3	10.5	9.7	8.9	8.1	7.1	6.1	5.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	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°	0.3	0.3	0.2	0.2	0.1	0.1	0.0
85°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
82.5°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
80°	1.2	1.0	0.8	0.6	0.4	0.3	0.0
77.5°	1.2	1.2	1.0	0.8	0.5	0.3	0.0
75°	1.2	1.2	1.2	0.9	0.6	0.4	0.0
72.5°	1.2	1.3	1.3	1.1	0.7	0.5	0.0
70°	1.3	1.3	1.3	1.2	0.8	0.5	0.0
67.5°	1.4	1.4	1.4	1.3	1.0	0.6	0.0
65°	1.6	1.6	1.4	1.3	1.1	0.6	0.0
62.5°	1.9	2.0	1.5	1.4	1.2	0.7	0.0
60°	2.3	2.5	1.6	1.5	1.3	0.8	0.0
57.5°	4.2	2.9	2.1	1.5	1.3	0.8	0.0
55°	6.7	3.5	2.6	1.6	1.4	0.9	0.0
52.5°	9.6	4.5	3.1	1.6	1.5	1.0	0.0
50°	13.0	7.6	3.7	1.7	1.6	1.0	0.0
47.5°	17.5	11.0	4.3	1.9	1.6	1.1	0.0
45°	26.3	14.7	4.9	2.4	1.7	1.1	0.0
42.5°	35.4	18.6	5.6	2.8	1.8	1.2	0.0
40°	44.7	22.6	7.5	3.4	1.9	1.2	0.0
37.5°	54.2	27.0	10.7	4.2	1.9	1.3	0.0
35°	63.8	33.5	13.9	5.0	2.0	1.3	0.0
32.5°	74.3	41.1	17.2	5.9	2.1	1.4	0.0
30°	86.2	48.6	20.6	6.9	2.2	1.4	0.0
27.5°	97.9	56.1	24.7	7.9	2.3	1.5	0.0
25°	109.3	63.4	28.9	9.0	2.4	1.5	0.0
22.5°	120.4	70.9	33.1	10.2	2.4	1.6	0.0
20°	131.1	78.9	37.2	11.4	2.5	1.6	0.0
17.5°	141.7	86.6	41.3	12.6	2.6	1.6	0.0
15°	151.9	94.1	45.3	13.8	2.7	1.7	0.0
12.5°	161.4	101.2	49.2	14.9	2.8	1.7	0.0
10°	170.3	107.9	52.9	16.1	2.8	1.7	0.0
7.5°	178.4	114.2	56.4	17.3	2.9	1.7	0.0
5°	185.7	120.0	59.6	18.3	3.0	1.8	0.0
2.5°	192.4	125.2	62.6	19.4	3.0	1.8	0.0
0°	198.2	129.9	65.3	20.3	3.1	1.8	0.0
-2.5°	201.1	132.9	67.8	21.6	3.6	1.9	0.0
-5°	203.2	135.2	69.9	22.8	4.1	2.0	0.0
-7.5°	204.6	136.9	71.6	23.9	4.5	2.1	0.0
-10°	205.2	137.9	72.9	24.9	5.0	2.2	0.0
-12.5°	205.1	138.4	73.8	25.7	5.4	2.3	0.0
-15°	204.3	138.2	74.2	26.3	5.8	2.4	0.0
-17.5°	202.8	137.3	74.1	26.8	6.2	2.4	0.0
-20°	200.4	135.9	73.6	27.0	6.5	2.5	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	197.1	133.8	72.5	27.1	6.8	2.5	0.0
-25°	193.0	130.6	71.0	27.0	7.1	2.6	0.0
-27.5°	188.1	126.6	68.9	26.7	7.3	2.6	0.0
-30°	182.4	122.0	66.3	26.1	7.5	2.6	0.0
-32.5°	176.0	116.9	63.3	25.4	7.6	2.7	0.0
-35°	169.0	111.3	59.9	24.4	7.7	2.6	0.0
-37.5°	161.5	105.6	56.2	23.2	7.8	2.6	0.0
-40°	153.5	100.5	52.2	21.7	7.8	2.6	0.0
-42.5°	144.9	95.0	49.2	20.2	7.8	2.6	0.0
-45°	135.7	89.1	47.1	18.6	7.7	2.5	0.0
-47.5°	126.0	83.0	44.6	16.8	7.5	2.5	0.0
-50°	117.9	76.4	41.8	16.2	7.3	2.4	0.0
-52.5°	109.8	69.6	38.7	15.9	7.1	2.3	0.0
-55°	101.4	64.5	35.1	15.4	6.8	2.2	0.0
-57.5°	92.7	59.2	31.3	14.7	6.5	2.1	0.0
-60°	83.8	53.5	27.2	13.9	6.1	2.0	0.0
-62.5°	75.8	47.3	25.3	12.9	5.8	1.9	0.0
-65°	67.1	40.8	23.1	11.8	5.3	1.7	0.0
-67.5°	57.9	35.2	20.6	10.5	4.9	1.6	0.0
-70°	48.2	30.8	17.9	9.1	4.4	1.4	0.0
-72.5°	40.8	26.1	15.0	8.0	3.9	1.3	0.0
-75°	33.3	21.1	12.0	7.0	3.4	1.1	0.0
-77.5°	25.5	15.8	9.9	5.9	2.9	0.9	0.0
-80°	17.4	12.0	8.0	4.7	2.3	0.7	0.0
-82.5°	12.8	9.1	6.0	3.6	1.8	0.6	0.0
-85°	8.6	6.1	4.0	2.4	1.2	0.4	0.0
-87.5°	4.3	3.1	2.0	1.2	0.6	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)