

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: P645351 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1E-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645351 (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-SA1E-740-U-LAM-VSR-XX  
Description: GALLEON FLOOD, ONE LIGHT SQUARE, LAMBERTIAN WITH VISOR  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

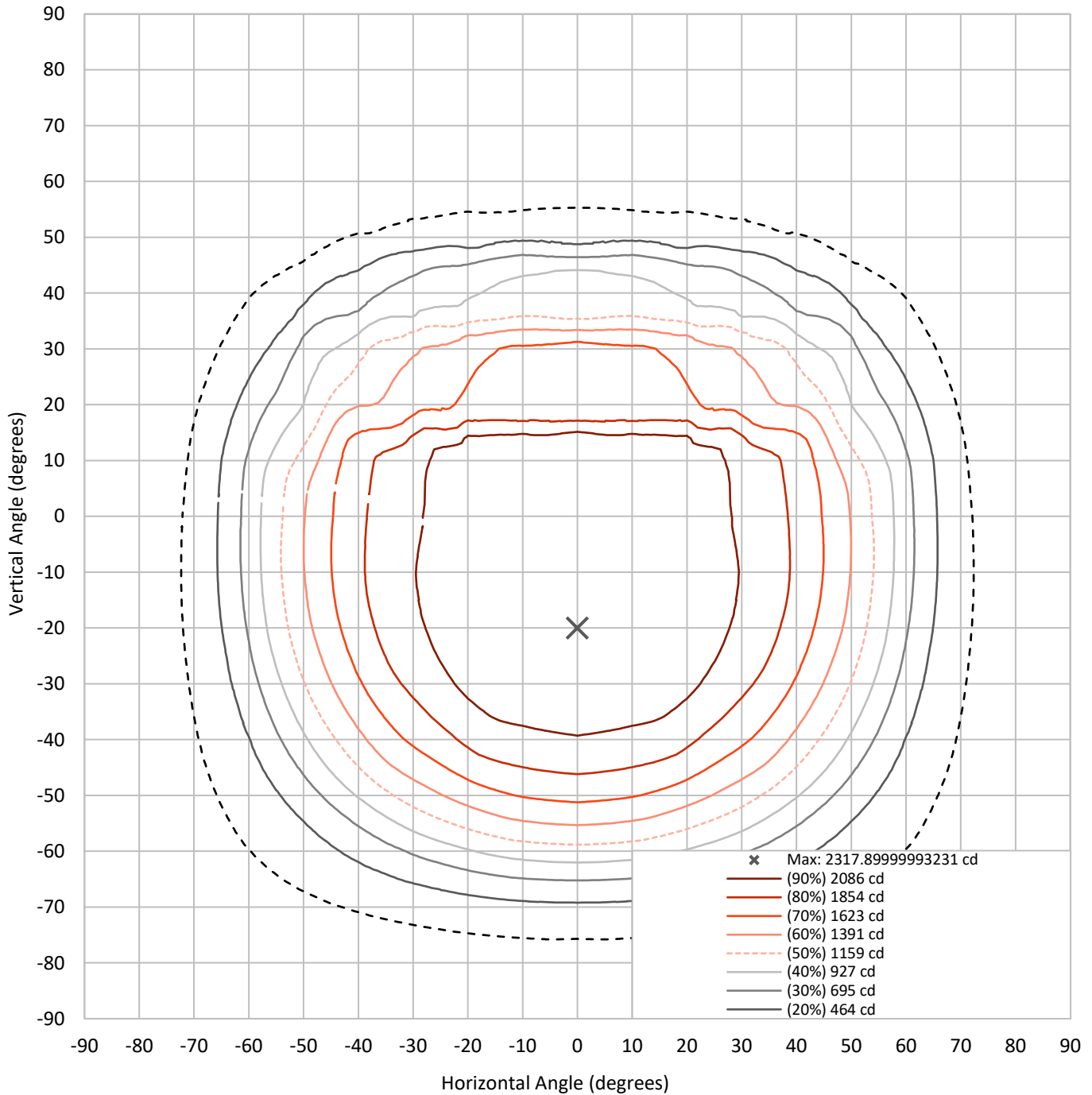
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	5435 lumens	Max Intensity:	2317.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	82.1 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' 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:	4248.7 lumens	Field Lumens:	5327 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	66.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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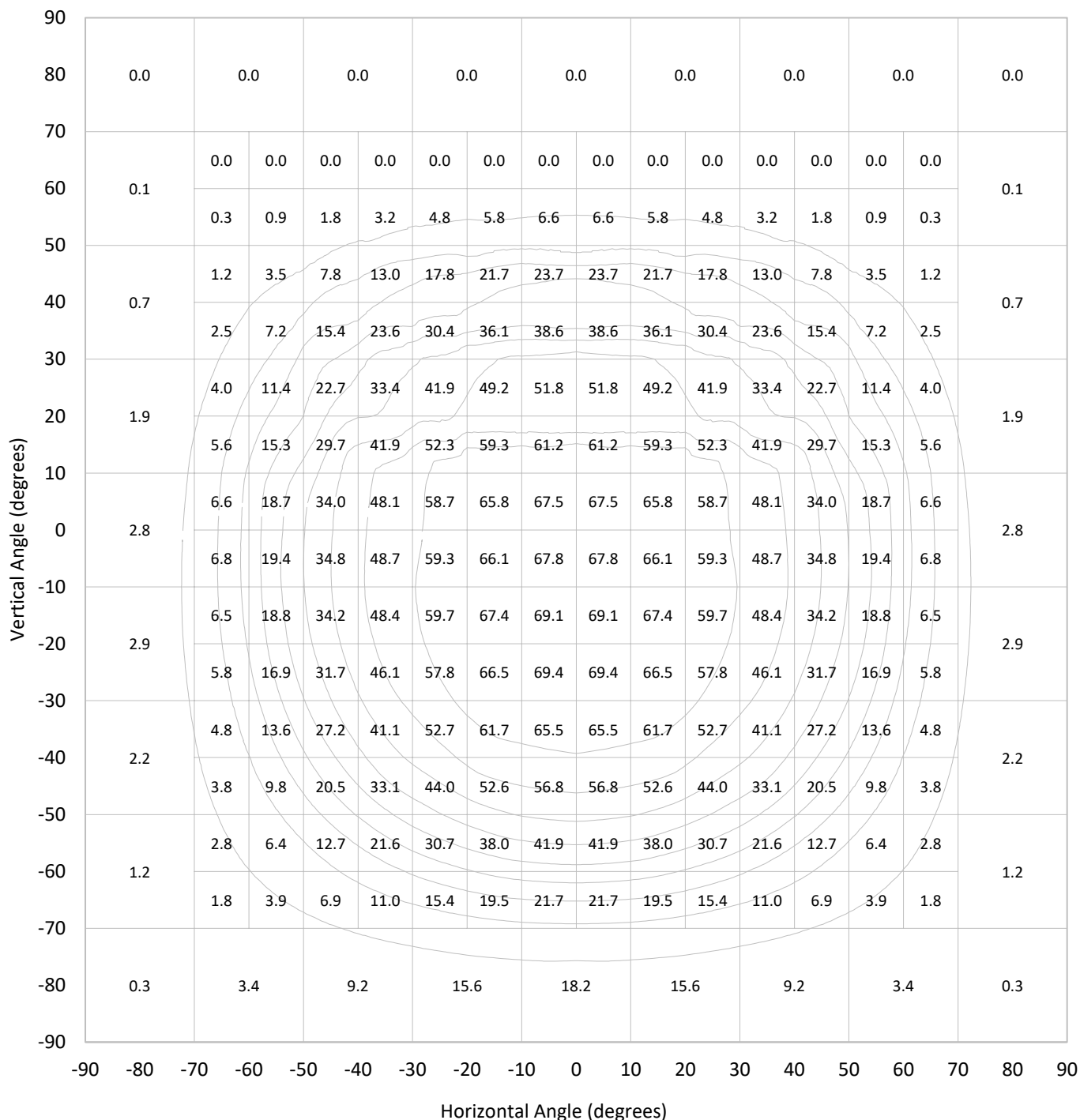
### Iso-Candela Plot





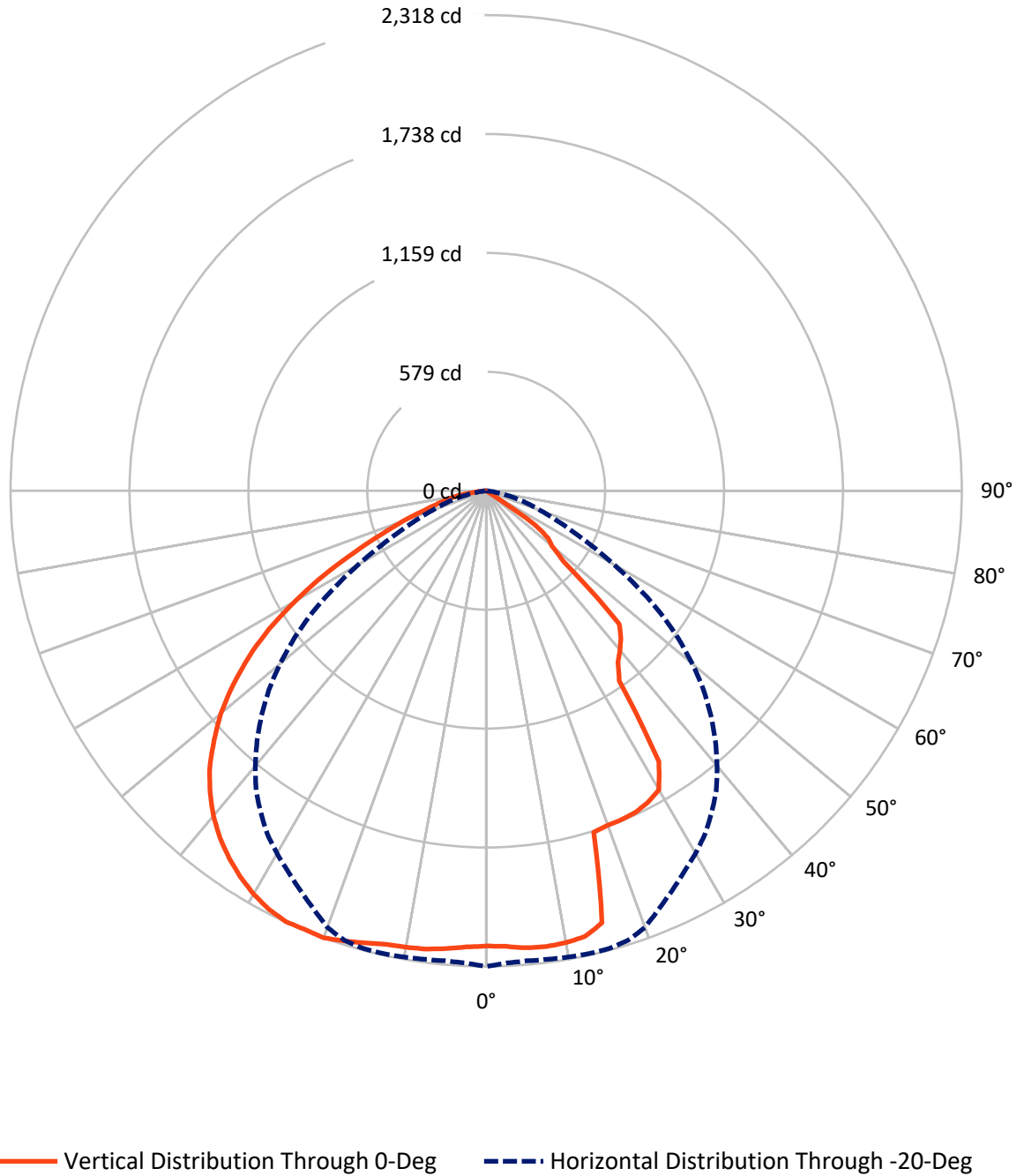
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### Lumen Table



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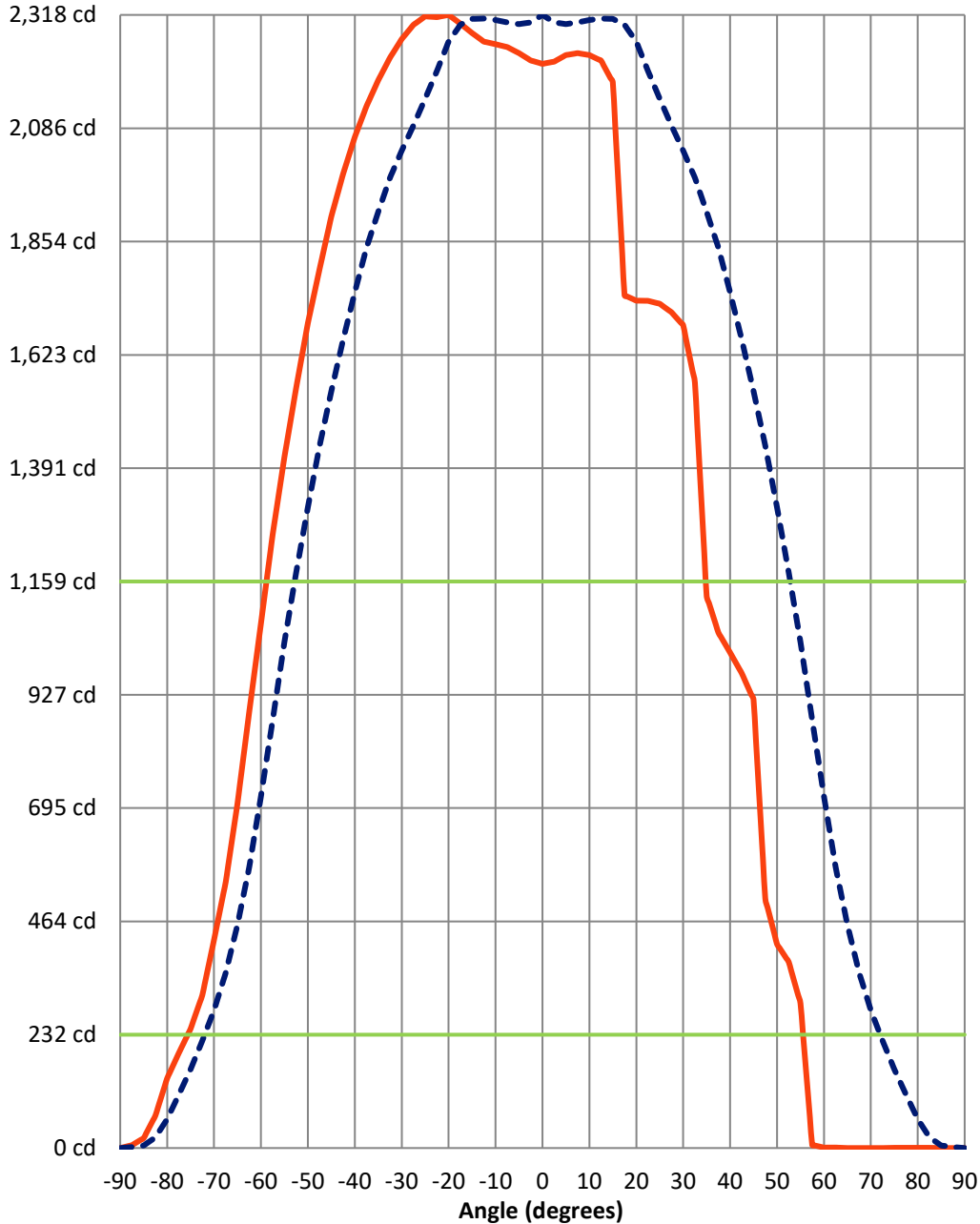
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 4248.7  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 5327  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 107.9  
 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	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2
85°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.4
82.5°	0.0	0.2	0.3	0.4	0.5	0.6	0.8	0.8	0.8	0.6	0.5
80°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	0.9	0.8	0.6	0.5
77.5°	0.0	0.3	0.4	0.6	0.9	1.0	1.0	0.9	0.8	0.6	0.5
75°	0.0	0.3	0.5	0.8	1.0	1.0	1.0	0.9	0.8	0.7	0.5
72.5°	0.0	0.4	0.6	0.9	1.1	1.1	1.0	0.9	0.8	0.7	0.6
70°	0.0	0.4	0.7	1.0	1.1	1.1	1.1	0.9	0.8	0.7	0.8
67.5°	0.0	0.5	0.8	1.1	1.2	1.2	1.2	0.9	0.8	1.1	1.1
65°	0.0	0.5	0.9	1.1	1.2	1.3	1.3	1.0	1.3	1.6	2.0
62.5°	0.0	0.6	1.0	1.2	1.3	1.6	1.6	1.3	1.8	2.7	4.3
60°	0.0	0.6	1.1	1.2	1.3	2.0	1.8	1.9	2.4	6.9	7.5
57.5°	0.0	0.7	1.1	1.3	1.7	2.4	3.4	2.7	6.7	11.7	13.6
55°	0.0	0.7	1.2	1.3	2.1	2.8	5.4	4.3	12.5	18.0	22.0
52.5°	0.0	0.8	1.2	1.4	2.5	3.6	7.8	10.9	18.7	28.3	31.9
50°	0.0	0.8	1.3	1.4	3.0	6.1	10.5	18.3	26.8	39.7	49.8
47.5°	0.0	0.9	1.4	1.6	3.4	8.9	14.1	26.1	38.6	52.2	68.0
45°	0.0	0.9	1.4	1.9	3.9	11.8	21.2	34.3	51.8	68.1	85.8
42.5°	0.0	1.0	1.5	2.3	4.4	14.9	28.5	44.7	65.2	83.5	106.3
40°	0.0	1.0	1.5	2.8	6.0	18.2	36.0	56.5	79.1	98.7	128.2
37.5°	0.0	1.1	1.6	3.4	8.6	21.7	43.6	68.4	93.6	116.9	151.0
35°	0.0	1.1	1.7	4.0	11.2	27.0	51.3	80.3	108.4	139.2	178.1
32.5°	0.0	1.2	1.7	4.7	13.8	33.0	59.7	92.1	123.4	161.7	211.0
30°	0.0	1.2	1.8	5.5	16.5	39.1	69.3	104.0	138.4	184.2	242.6
27.5°	0.0	1.2	1.9	6.4	19.8	45.1	78.7	116.4	155.0	206.7	272.8
25°	0.0	1.3	1.9	7.2	23.2	50.9	87.9	128.7	173.7	231.3	301.5
22.5°	0.0	1.3	2.0	8.2	26.6	57.0	96.8	140.8	192.0	255.8	330.6
20°	0.0	1.3	2.1	9.1	29.9	63.4	105.4	152.6	209.9	279.0	359.0
17.5°	0.0	1.4	2.1	10.1	33.2	69.6	113.9	164.1	227.2	300.7	386.5
15°	0.0	1.4	2.2	11.0	36.5	75.6	122.1	174.7	243.8	321.0	413.0
12.5°	0.0	1.4	2.2	12.0	39.6	81.3	129.8	184.3	257.0	339.8	438.1
10°	0.0	1.4	2.3	12.9	42.5	86.7	136.9	193.0	266.9	351.0	458.6
7.5°	0.0	1.5	2.4	13.8	45.3	91.8	143.4	201.0	275.3	359.8	470.6
5°	0.0	1.5	2.4	14.7	48.0	96.4	149.3	208.2	282.3	366.8	480.3
2.5°	0.0	1.5	2.5	15.5	50.4	100.6	154.6	214.6	288.0	372.2	487.8
0°	0.0	1.5	2.5	16.3	52.5	104.4	159.3	220.2	292.5	376.1	492.9
-2.5°	0.0	1.6	2.9	17.4	54.5	106.8	161.6	223.4	294.1	380.9	496.2
-5°	0.0	1.7	3.3	18.4	56.2	108.7	163.3	225.8	294.6	384.1	497.3
-7.5°	0.0	1.7	3.6	19.2	57.6	110.0	164.4	227.3	294.2	385.4	496.2
-10°	0.0	1.8	4.0	20.0	58.6	110.9	164.9	227.9	292.9	384.6	493.0
-12.5°	0.0	1.9	4.3	20.6	59.3	111.3	164.8	227.5	290.9	381.5	487.6
-15°	0.0	1.9	4.7	21.2	59.6	111.1	164.2	226.2	288.6	375.5	479.8
-17.5°	0.0	2.0	4.9	21.5	59.6	110.4	163.0	223.4	285.8	367.9	469.5
-20°	0.0	2.0	5.2	21.8	59.2	109.3	161.2	219.5	281.8	358.9	457.0

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.1	5.5	21.8	58.3	107.6	158.5	214.9	276.6	348.5	442.0
-25°	0.0	2.1	5.7	21.7	57.1	105.0	155.1	209.4	270.2	336.8	424.7
-27.5°	0.0	2.1	5.9	21.5	55.4	101.8	151.2	203.2	262.5	325.5	409.3
-30°	0.0	2.1	6.0	21.0	53.4	98.1	146.7	196.4	254.1	315.9	392.9
-32.5°	0.0	2.1	6.1	20.4	50.9	94.0	141.5	190.0	245.2	304.8	375.4
-35°	0.0	2.1	6.2	19.6	48.2	89.5	135.9	183.3	235.6	292.3	356.8
-37.5°	0.0	2.1	6.3	18.6	45.3	84.9	129.9	175.9	225.3	278.3	338.4
-40°	0.0	2.1	6.3	17.5	42.0	80.8	123.4	167.8	214.4	265.0	320.3
-42.5°	0.0	2.1	6.2	16.2	39.6	76.4	116.5	159.1	203.8	251.0	300.7
-45°	0.0	2.0	6.1	14.9	37.9	71.7	109.1	150.0	193.0	236.1	280.5
-47.5°	0.0	2.0	6.0	13.5	35.9	66.7	101.3	140.9	181.4	220.5	263.0
-50°	0.0	1.9	5.9	13.0	33.7	61.5	94.8	131.4	168.6	206.1	244.7
-52.5°	0.0	1.9	5.7	12.7	31.1	56.0	88.3	121.4	156.3	191.3	225.8
-55°	0.0	1.8	5.4	12.3	28.2	51.9	81.5	111.3	144.0	176.2	209.2
-57.5°	0.0	1.7	5.2	11.8	25.1	47.6	74.5	103.3	131.3	161.6	192.1
-60°	0.0	1.6	4.9	11.1	21.9	43.0	67.4	94.5	118.5	146.9	175.1
-62.5°	0.0	1.5	4.6	10.3	20.3	38.1	60.9	84.8	106.8	131.8	158.4
-65°	0.0	1.4	4.3	9.4	18.5	32.8	53.9	74.8	94.3	116.6	141.3
-67.5°	0.0	1.3	3.9	8.4	16.6	28.3	46.5	64.9	81.1	100.8	122.8
-70°	0.0	1.1	3.5	7.3	14.4	24.8	38.7	54.8	69.4	84.2	103.2
-72.5°	0.0	1.0	3.1	6.4	12.1	21.0	32.8	44.4	57.4	70.5	83.8
-75°	0.0	0.9	2.7	5.6	9.6	17.0	26.8	35.8	45.2	56.6	68.2
-77.5°	0.0	0.7	2.3	4.7	7.9	12.7	20.5	27.7	35.1	43.2	52.4
-80°	0.0	0.6	1.9	3.8	6.4	9.7	14.0	19.4	25.2	31.4	38.1
-82.5°	0.0	0.4	1.4	2.9	4.8	7.3	10.3	12.5	15.0	19.4	24.2
-85°	0.0	0.3	0.9	1.9	3.3	4.9	6.9	8.3	9.8	11.3	12.9
-87.5°	0.0	0.2	0.5	1.0	1.6	2.5	3.5	4.2	4.9	5.7	6.5
-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-SA1E-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°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.8	0.8	0.7	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.5
67.5°	1.0	0.8	0.7	0.7	0.7	0.8	0.7	0.6	0.5	0.5	0.5
65°	1.0	0.9	1.2	1.4	1.0	0.9	0.8	0.6	0.7	0.7	0.7
62.5°	1.5	1.9	2.4	4.2	3.1	0.9	1.6	1.9	1.4	1.2	1.3
60°	4.8	3.3	9.8	14.0	8.7	3.2	3.9	12.9	11.2	2.1	7.0
57.5°	10.2	14.0	25.7	26.2	18.1	12.4	36.3	42.0	31.7	18.5	28.3
55°	22.4	34.4	42.6	39.4	43.0	65.2	77.5	69.6	58.6	90.1	115.1
52.5°	43.7	56.0	58.7	67.4	96.5	110.9	106.3	113.7	147.4	183.1	190.8
50°	64.5	74.5	82.3	119.1	141.9	143.3	153.9	187.3	232.3	254.1	248.8
47.5°	84.6	95.0	131.4	166.7	176.9	190.9	217.4	281.9	329.5	330.4	325.1
45°	105.9	133.6	180.1	203.1	219.7	246.8	310.6	399.6	404.2	417.1	496.7
42.5°	128.6	177.2	217.8	241.7	268.5	319.1	404.2	462.6	482.7	539.3	603.3
40°	165.5	219.4	254.8	285.4	319.8	393.6	486.9	541.6	558.0	606.9	655.0
37.5°	202.9	254.6	294.2	331.1	378.9	478.5	586.4	631.5	639.8	648.7	755.3
35°	239.0	290.6	338.1	386.4	445.0	588.4	682.7	725.1	723.8	784.3	895.9
32.5°	272.6	327.5	383.5	448.1	544.8	691.7	786.0	811.4	849.9	938.0	1090.3
30°	306.2	368.6	433.0	510.0	632.4	759.7	867.4	908.3	974.3	1074.8	1185.6
27.5°	340.9	410.8	488.6	578.8	701.5	818.5	910.6	1008.2	1072.3	1162.4	1241.2
25°	375.3	455.5	543.6	639.0	750.9	860.0	955.2	1068.0	1136.8	1209.4	1282.9
22.5°	411.5	500.7	600.3	686.7	792.6	895.2	1008.6	1130.9	1220.4	1266.5	1315.9
20°	449.3	549.7	655.9	751.7	833.7	928.0	1062.2	1210.8	1326.3	1378.2	1385.0
17.5°	486.6	597.2	711.3	815.0	903.5	987.5	1118.5	1306.5	1450.2	1498.4	1519.9
15°	522.9	642.8	766.4	876.6	973.8	1076.5	1216.4	1407.6	1571.8	1625.2	1659.0
12.5°	558.0	686.4	820.7	936.3	1044.2	1159.3	1305.2	1480.3	1630.2	1733.5	1795.4
10°	591.4	727.5	873.3	993.5	1113.8	1236.1	1378.8	1534.5	1656.5	1756.1	1844.0
7.5°	608.3	754.4	918.5	1047.9	1181.6	1307.1	1439.0	1572.6	1675.4	1773.1	1858.1
5°	619.8	765.4	932.7	1066.9	1217.6	1354.5	1482.6	1597.7	1687.8	1784.6	1867.7
2.5°	627.9	772.5	942.2	1077.3	1231.1	1369.0	1495.1	1606.1	1698.0	1792.8	1877.9
0°	632.9	775.9	947.1	1083.7	1239.6	1378.6	1502.4	1609.2	1704.8	1796.8	1888.3
-2.5°	635.7	786.3	950.4	1100.1	1247.8	1386.9	1512.6	1616.8	1716.7	1804.3	1896.1
-5°	635.3	792.5	949.5	1111.2	1251.7	1390.1	1517.7	1620.3	1723.2	1809.9	1899.2
-7.5°	631.9	793.9	945.3	1114.7	1251.9	1389.1	1515.4	1622.0	1723.1	1815.0	1899.5
-10°	625.7	788.3	941.3	1105.7	1247.1	1383.4	1508.6	1618.4	1719.0	1814.0	1897.8
-12.5°	618.5	776.8	933.1	1092.9	1237.3	1372.9	1498.2	1609.1	1711.5	1806.2	1894.0
-15°	607.6	761.4	919.5	1076.5	1222.5	1357.6	1484.7	1594.0	1699.9	1792.6	1882.8
-17.5°	593.0	742.3	900.4	1057.1	1202.5	1337.6	1467.4	1574.1	1679.4	1775.2	1862.3
-20°	574.6	719.7	875.7	1035.0	1177.1	1310.8	1436.5	1548.2	1652.9	1750.4	1841.8

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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°	552.3	693.7	845.8	1005.2	1145.4	1277.6	1401.8	1515.3	1623.8	1718.0	1815.5
-25°	530.0	666.3	812.8	964.0	1108.6	1240.2	1364.8	1475.3	1586.3	1684.3	1776.9
-27.5°	508.6	634.4	774.5	918.7	1066.8	1197.9	1321.4	1432.0	1539.6	1646.9	1735.9
-30°	484.6	597.6	732.5	870.2	1014.7	1148.1	1272.5	1387.3	1489.7	1595.6	1691.3
-32.5°	458.1	558.5	688.2	820.7	956.9	1093.2	1216.5	1330.5	1437.1	1537.2	1637.7
-35°	432.3	526.9	641.3	767.4	895.6	1029.4	1152.7	1265.6	1376.3	1475.4	1571.5
-37.5°	409.0	492.7	591.3	711.8	834.4	960.9	1086.4	1195.6	1300.9	1409.9	1503.6
-40°	383.8	456.0	548.1	654.6	770.1	890.4	1010.5	1123.6	1222.6	1330.3	1433.3
-42.5°	357.4	426.2	505.4	594.0	703.0	816.5	932.4	1043.0	1145.8	1247.5	1349.5
-45°	334.2	394.5	462.1	543.0	631.7	738.4	848.2	958.4	1057.1	1154.0	1254.7
-47.5°	309.7	362.7	425.2	489.8	566.9	656.1	759.4	861.1	962.0	1054.2	1143.4
-50°	285.2	334.1	385.4	443.6	507.2	579.5	665.3	759.8	852.0	946.7	1035.0
-52.5°	264.1	303.9	350.3	398.9	453.4	513.2	581.9	659.5	743.4	823.7	911.9
-55°	242.2	278.1	315.6	358.3	403.7	454.1	510.5	575.7	639.7	714.0	785.9
-57.5°	222.2	252.5	284.4	319.8	359.1	399.5	448.8	499.6	557.6	615.4	672.3
-60°	203.4	228.1	255.2	285.2	316.8	352.8	389.5	433.1	479.9	526.0	574.3
-62.5°	184.4	205.2	227.3	252.1	279.8	307.0	338.3	371.9	406.3	445.4	483.5
-65°	164.9	181.7	200.5	221.1	243.1	266.2	290.4	315.3	344.5	373.1	400.8
-67.5°	144.2	158.6	173.7	190.0	208.4	226.6	244.8	265.8	287.4	308.6	330.5
-70°	121.2	134.8	147.4	160.6	174.3	188.6	204.1	219.5	234.7	250.6	268.2
-72.5°	97.9	110.4	121.5	131.2	142.5	154.3	165.6	176.4	187.9	200.0	211.9
-75°	78.1	86.3	96.2	105.3	114.2	122.6	130.1	139.2	148.8	157.6	164.8
-77.5°	60.9	68.4	75.2	81.3	88.4	96.8	104.0	110.3	116.4	123.0	130.0
-80°	44.3	50.5	56.7	62.3	66.4	71.2	76.8	83.1	88.7	93.2	97.3
-82.5°	28.6	33.1	37.7	42.3	44.3	45.6	46.8	49.1	52.5	55.9	59.1
-85°	14.2	15.5	18.3	21.2	22.2	22.9	23.4	23.7	24.9	25.9	26.9
-87.5°	7.1	7.8	8.4	9.1	8.7	8.3	7.7	7.0	6.8	6.6	6.4
-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°	0.4	0.4	0.4	0.4	0.5	0.3	0.2	0.1	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.2
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3
65°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.3
62.5°	1.3	1.4	1.1	1.1	1.1	1.1	1.0	1.0	0.9	0.8	0.9
60°	7.8	4.6	2.7	3.1	2.8	1.9	2.4	2.8	2.8	2.6	2.3
57.5°	43.0	32.1	23.8	56.8	57.0	27.2	32.7	51.5	42.4	13.9	12.9
55°	119.6	143.1	188.4	178.9	181.8	209.1	228.3	202.1	198.2	211.2	243.9
52.5°	215.0	237.3	252.5	266.7	284.1	302.7	321.9	334.1	345.5	357.7	364.9
50°	274.5	306.0	327.7	319.7	364.5	382.9	364.2	380.9	401.2	406.8	409.4
47.5°	405.3	451.5	460.7	490.5	517.3	516.7	494.0	495.3	555.8	609.1	635.3
45°	582.5	584.1	613.2	665.7	703.3	691.5	723.3	795.4	819.4	842.6	861.6
42.5°	651.6	680.2	726.6	773.0	801.1	825.4	848.9	875.4	906.5	931.8	952.0
40°	718.4	741.5	789.0	826.4	849.6	872.3	899.7	929.0	957.6	979.8	994.9
37.5°	821.3	839.2	850.8	885.5	929.4	909.1	961.0	998.2	1015.2	1037.8	1039.8
35°	977.0	965.1	949.7	1088.0	1096.3	1049.5	1098.1	1155.8	1125.4	1188.7	1222.8
32.5°	1114.9	1113.2	1233.9	1306.6	1264.8	1298.9	1410.9	1405.9	1480.5	1515.1	1505.3
30°	1244.9	1289.3	1359.1	1413.3	1420.5	1474.4	1524.1	1567.6	1612.7	1653.1	1655.8
27.5°	1310.9	1368.8	1416.2	1447.5	1482.5	1527.9	1573.0	1622.0	1660.3	1685.6	1691.8
25°	1350.8	1410.0	1445.9	1479.6	1518.2	1557.3	1607.8	1661.3	1692.0	1707.6	1712.6
22.5°	1386.0	1439.2	1477.8	1505.2	1546.7	1588.8	1635.9	1681.1	1714.5	1721.3	1723.8
20°	1419.9	1471.0	1535.4	1575.7	1573.7	1621.1	1666.5	1702.4	1730.3	1730.1	1730.8
17.5°	1517.9	1536.1	1653.1	1741.9	1697.9	1674.7	1799.5	1801.9	1809.3	1794.5	1762.6
15°	1663.0	1696.2	1839.9	1936.2	1905.9	1904.2	2084.5	2039.8	2078.2	2068.2	2111.5
12.5°	1816.7	1856.0	1963.4	2057.9	2103.0	2114.0	2174.2	2230.6	2242.2	2237.6	2229.2
10°	1921.4	1977.4	2020.5	2077.9	2123.3	2169.7	2204.6	2245.1	2258.3	2250.7	2239.8
7.5°	1935.1	1990.4	2041.0	2091.3	2134.6	2172.0	2208.2	2241.1	2254.6	2250.2	2242.7
5°	1943.8	1993.8	2042.9	2094.0	2135.4	2170.0	2206.0	2239.4	2247.4	2242.1	2234.8
2.5°	1949.1	1995.5	2042.7	2093.7	2131.2	2164.2	2200.7	2236.3	2236.2	2233.9	2229.7
0°	1951.7	1998.2	2053.1	2099.1	2141.2	2172.4	2208.5	2243.2	2240.7	2234.2	2226.8
-2.5°	1957.3	2004.4	2060.4	2098.5	2146.0	2174.6	2211.9	2241.9	2240.7	2237.6	2233.9
-5°	1962.2	2015.2	2067.6	2107.7	2155.3	2192.6	2229.8	2253.2	2254.5	2250.1	2243.9
-7.5°	1965.2	2024.0	2074.0	2114.3	2160.4	2203.8	2241.5	2266.1	2266.6	2260.8	2253.4
-10°	1964.2	2026.3	2077.8	2119.4	2166.6	2209.5	2248.8	2280.0	2279.1	2273.4	2267.1
-12.5°	1960.5	2022.5	2075.4	2117.1	2170.7	2214.9	2259.1	2290.2	2291.9	2287.7	2280.8
-15°	1952.3	2016.3	2067.8	2113.4	2165.9	2217.5	2263.0	2297.3	2303.4	2300.0	2294.5
-17.5°	1936.2	2003.7	2058.3	2107.4	2157.9	2212.9	2264.6	2302.1	2310.4	2309.0	2304.5
-20°	1915.1	1984.7	2040.1	2091.6	2146.5	2203.1	2263.3	2297.6	2309.7	2310.5	2307.4



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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°	1891.3	1959.5	2018.3	2068.8	2128.4	2185.7	2240.3	2280.3	2300.7	2304.5	2304.7
-25°	1862.8	1932.9	1991.3	2045.2	2100.5	2159.8	2214.8	2259.6	2280.2	2290.1	2293.1
-27.5°	1822.5	1895.0	1952.4	2009.4	2065.7	2126.9	2184.8	2233.4	2250.2	2263.7	2269.2
-30°	1775.3	1847.0	1905.6	1957.7	2022.1	2084.5	2144.2	2186.6	2212.0	2227.4	2235.9
-32.5°	1721.1	1793.4	1854.9	1909.3	1970.5	2032.9	2089.1	2133.9	2168.8	2186.7	2195.7
-35°	1662.3	1736.1	1800.5	1857.8	1915.5	1974.9	2033.1	2080.0	2119.8	2135.1	2146.5
-37.5°	1591.3	1672.8	1738.8	1797.9	1852.7	1908.6	1969.2	2022.7	2061.3	2076.3	2088.2
-40°	1518.6	1597.3	1663.9	1726.9	1781.1	1842.1	1900.5	1956.6	1990.1	2007.5	2021.1
-42.5°	1441.8	1512.9	1576.2	1637.4	1697.7	1760.6	1818.9	1877.3	1906.2	1927.2	1943.8
-45°	1353.1	1419.3	1480.8	1538.1	1600.2	1662.0	1720.4	1772.0	1806.5	1833.8	1855.0
-47.5°	1234.9	1315.5	1377.3	1431.8	1493.4	1553.0	1609.6	1658.1	1695.9	1727.9	1752.5
-50°	1114.9	1192.2	1261.9	1323.1	1380.3	1435.4	1489.3	1536.7	1576.7	1611.3	1636.3
-52.5°	996.7	1069.2	1138.2	1201.4	1256.4	1308.4	1357.7	1405.5	1447.7	1484.7	1508.8
-55°	863.1	938.2	1006.6	1065.5	1120.4	1171.8	1220.5	1265.7	1307.3	1345.0	1368.1
-57.5°	737.7	803.6	867.2	921.6	973.5	1022.5	1068.6	1111.9	1151.9	1187.4	1209.7
-60°	622.6	670.6	725.3	775.6	821.5	863.2	906.3	946.7	983.4	1014.5	1035.3
-62.5°	520.8	560.6	600.1	638.3	675.6	713.0	749.1	782.6	813.3	838.8	857.0
-65°	430.0	462.0	490.6	517.7	543.5	573.0	600.4	626.2	650.1	669.7	683.6
-67.5°	354.1	376.6	396.3	414.9	435.3	456.1	475.7	492.7	507.3	518.9	528.1
-70°	285.6	302.1	317.0	331.8	346.7	360.2	373.2	385.7	397.6	407.3	414.6
-72.5°	223.7	235.0	245.1	256.5	267.2	277.5	286.4	293.7	299.3	304.8	309.5
-75°	170.5	179.0	190.5	200.1	208.1	215.2	221.6	227.4	232.5	237.0	240.9
-77.5°	137.1	144.3	151.6	158.7	165.5	170.6	175.3	180.0	184.6	188.6	192.1
-80°	101.7	107.0	112.6	118.3	123.9	126.7	129.0	131.0	132.9	135.2	137.4
-82.5°	62.2	65.2	68.3	71.5	74.6	75.4	75.7	75.7	75.3	74.4	73.1
-85°	27.6	27.8	27.7	27.4	26.9	25.8	24.5	22.9	21.2	20.9	20.6
-87.5°	6.1	5.9	5.8	5.6	5.3	5.3	5.3	5.3	5.2	5.4	5.6
-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	0.1
85°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.3	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.3	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.5
65°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.6
62.5°	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.9	1.0
60°	1.8	1.2	1.0	1.0	1.0	1.2	1.8	2.3	2.6	2.8	2.8
57.5°	10.9	8.1	6.9	6.4	6.9	8.1	10.9	12.9	13.9	42.4	51.5
55°	267.4	281.0	291.2	295.9	291.2	281.0	267.4	243.9	211.2	198.2	202.1
52.5°	371.3	377.2	380.6	380.5	380.6	377.2	371.3	364.9	357.7	345.5	334.1
50°	413.9	416.7	417.8	417.2	417.8	416.7	413.9	409.4	406.8	401.2	380.9
47.5°	611.4	558.4	519.5	510.2	519.5	558.4	611.4	635.3	609.1	555.8	495.3
45°	870.7	890.7	910.7	917.0	910.7	890.7	870.7	861.6	842.6	819.4	795.4
42.5°	960.5	967.1	970.8	970.9	970.8	967.1	960.5	952.0	931.8	906.5	875.4
40°	1003.4	1009.5	1013.1	1013.5	1013.1	1009.5	1003.4	994.9	979.8	957.6	929.0
37.5°	1042.3	1047.6	1051.0	1054.5	1051.0	1047.6	1042.3	1039.8	1037.8	1015.2	998.2
35°	1218.2	1178.4	1121.0	1129.7	1121.0	1178.4	1218.2	1222.8	1188.7	1125.4	1155.8
32.5°	1520.7	1537.4	1547.9	1565.7	1547.9	1537.4	1520.7	1505.3	1515.1	1480.5	1405.9
30°	1660.2	1665.8	1674.1	1683.0	1674.1	1665.8	1660.2	1655.8	1653.1	1612.7	1567.6
27.5°	1695.1	1700.8	1705.9	1709.7	1705.9	1700.8	1695.1	1691.8	1685.6	1660.3	1622.0
25°	1713.3	1716.9	1722.3	1727.0	1722.3	1716.9	1713.3	1712.6	1707.6	1692.0	1661.3
22.5°	1722.4	1722.7	1726.9	1733.0	1726.9	1722.7	1722.4	1723.8	1721.3	1714.5	1681.1
20°	1728.5	1725.2	1729.6	1733.5	1729.6	1725.2	1728.5	1730.8	1730.1	1730.3	1702.4
17.5°	1807.7	1762.6	1744.0	1744.3	1744.0	1762.6	1807.7	1762.6	1794.5	1809.3	1801.9
15°	2062.9	2079.8	2144.7	2179.8	2144.7	2079.8	2062.9	2111.5	2068.2	2078.2	2039.8
12.5°	2227.6	2221.5	2213.9	2224.3	2213.9	2221.5	2227.6	2229.2	2237.6	2242.2	2230.6
10°	2235.2	2234.5	2220.8	2235.7	2220.8	2234.5	2235.2	2239.8	2250.7	2258.3	2245.1
7.5°	2230.5	2231.0	2225.1	2239.7	2225.1	2231.0	2230.5	2242.7	2250.2	2254.6	2241.1
5°	2233.6	2223.5	2227.4	2235.7	2227.4	2223.5	2233.6	2234.8	2242.1	2247.4	2239.4
2.5°	2225.0	2224.0	2216.5	2222.4	2216.5	2224.0	2225.0	2229.7	2233.9	2236.2	2236.3
0°	2218.4	2213.0	2213.0	2217.9	2213.0	2213.0	2218.4	2226.8	2234.2	2240.7	2243.2
-2.5°	2230.1	2228.9	2228.2	2224.8	2228.2	2228.9	2230.1	2233.9	2237.6	2240.7	2241.9
-5°	2239.7	2236.8	2228.7	2239.7	2228.7	2236.8	2239.7	2243.9	2250.1	2254.5	2253.2
-7.5°	2250.1	2242.5	2234.9	2252.1	2234.9	2242.5	2250.1	2253.4	2260.8	2266.6	2266.1
-10°	2259.6	2248.7	2241.2	2258.0	2241.2	2248.7	2259.6	2267.1	2273.4	2279.1	2280.0
-12.5°	2272.0	2259.3	2254.3	2263.4	2254.3	2259.3	2272.0	2280.8	2287.7	2291.9	2290.2
-15°	2285.4	2276.6	2275.4	2280.8	2275.4	2276.6	2285.4	2294.5	2300.0	2303.4	2297.3
-17.5°	2297.1	2290.9	2293.9	2300.1	2293.9	2290.9	2297.1	2304.5	2309.0	2310.4	2302.1
-20°	2302.6	2299.2	2302.6	2317.9	2302.6	2299.2	2302.6	2307.4	2310.5	2309.7	2297.6



REPORT NUMBER: P645351 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-740-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°	2302.2	2302.4	2308.5	2313.4	2308.5	2302.4	2302.2	2304.7	2304.5	2300.7	2280.3
-25°	2293.4	2298.0	2305.0	2314.9	2305.0	2298.0	2293.4	2293.1	2290.1	2280.2	2259.6
-27.5°	2272.1	2279.9	2287.2	2297.6	2287.2	2279.9	2272.1	2269.2	2263.7	2250.2	2233.4
-30°	2241.5	2250.7	2257.2	2268.4	2257.2	2250.7	2241.5	2235.9	2227.4	2212.0	2186.6
-32.5°	2204.3	2214.6	2222.3	2230.3	2222.3	2214.6	2204.3	2195.7	2186.7	2168.8	2133.9
-35°	2157.7	2168.8	2177.0	2184.3	2177.0	2168.8	2157.7	2146.5	2135.1	2119.8	2080.0
-37.5°	2101.7	2113.7	2123.0	2131.3	2123.0	2113.7	2101.7	2088.2	2076.3	2061.3	2022.7
-40°	2036.5	2048.8	2058.7	2068.0	2058.7	2048.8	2036.5	2021.1	2007.5	1990.1	1956.6
-42.5°	1960.2	1972.7	1982.9	1992.3	1982.9	1972.7	1960.2	1943.8	1927.2	1906.2	1877.3
-45°	1872.1	1885.0	1895.8	1905.7	1895.8	1885.0	1872.1	1855.0	1833.8	1806.5	1772.0
-47.5°	1770.7	1784.4	1793.6	1798.3	1793.6	1784.4	1770.7	1752.5	1727.9	1695.9	1658.1
-50°	1654.4	1668.1	1679.2	1687.4	1679.2	1668.1	1654.4	1636.3	1611.3	1576.7	1536.7
-52.5°	1526.5	1539.5	1549.1	1554.8	1549.1	1539.5	1526.5	1508.8	1484.7	1447.7	1405.5
-55°	1386.3	1400.0	1409.0	1413.3	1409.0	1400.0	1386.3	1368.1	1345.0	1307.3	1265.7
-57.5°	1227.4	1240.4	1250.0	1255.4	1250.0	1240.4	1227.4	1209.7	1187.4	1151.9	1111.9
-60°	1051.5	1063.1	1070.4	1073.3	1070.4	1063.1	1051.5	1035.3	1014.5	983.4	946.7
-62.5°	871.7	882.7	889.5	892.2	889.5	882.7	871.7	857.0	838.8	813.3	782.6
-65°	693.9	700.8	704.6	705.2	704.6	700.8	693.9	683.6	669.7	650.1	626.2
-67.5°	535.3	540.6	543.7	544.8	543.7	540.6	535.3	528.1	518.9	507.3	492.7
-70°	420.1	423.7	425.7	426.1	425.7	423.7	420.1	414.6	407.3	397.6	385.7
-72.5°	313.2	315.8	314.8	312.7	314.8	315.8	313.2	309.5	304.8	299.3	293.7
-75°	244.3	247.1	246.0	244.0	246.0	247.1	244.3	240.9	237.0	232.5	227.4
-77.5°	195.2	197.7	196.5	194.5	196.5	197.7	195.2	192.1	188.6	184.6	180.0
-80°	139.4	140.9	142.0	142.5	142.0	140.9	139.4	137.4	135.2	132.9	131.0
-82.5°	71.4	69.3	67.9	66.3	67.9	69.3	71.4	73.1	74.4	75.3	75.7
-85°	20.2	19.7	20.0	20.3	20.0	19.7	20.2	20.6	20.9	21.2	22.9
-87.5°	5.7	5.9	5.9	5.9	5.9	5.9	5.7	5.6	5.4	5.2	5.3
-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°	0.2	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6
65°	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6
62.5°	1.0	1.1	1.1	1.1	1.1	1.4	1.3	1.3	1.2	1.4	1.9
60°	2.4	1.9	2.8	3.1	2.7	4.6	7.8	7.0	2.1	11.2	12.9
57.5°	32.7	27.2	57.0	56.8	23.8	32.1	43.0	28.3	18.5	31.7	42.0
55°	228.3	209.1	181.8	178.9	188.4	143.1	119.6	115.1	90.1	58.6	69.6
52.5°	321.9	302.7	284.1	266.7	252.5	237.3	215.0	190.8	183.1	147.4	113.7
50°	364.2	382.9	364.5	319.7	327.7	306.0	274.5	248.8	254.1	232.3	187.3
47.5°	494.0	516.7	517.3	490.5	460.7	451.5	405.3	325.1	330.4	329.5	281.9
45°	723.3	691.5	703.3	665.7	613.2	584.1	582.5	496.7	417.1	404.2	399.6
42.5°	848.9	825.4	801.1	773.0	726.6	680.2	651.6	603.3	539.3	482.7	462.6
40°	899.7	872.3	849.6	826.4	789.0	741.5	718.4	655.0	606.9	558.0	541.6
37.5°	961.0	909.1	929.4	885.5	850.8	839.2	821.3	755.3	648.7	639.8	631.5
35°	1098.1	1049.5	1096.3	1088.0	949.7	965.1	977.0	895.9	784.3	723.8	725.1
32.5°	1410.9	1298.9	1264.8	1306.6	1233.9	1113.2	1114.9	1090.3	938.0	849.9	811.4
30°	1524.1	1474.4	1420.5	1413.3	1359.1	1289.3	1244.9	1185.6	1074.8	974.3	908.3
27.5°	1573.0	1527.9	1482.5	1447.5	1416.2	1368.8	1310.9	1241.2	1162.4	1072.3	1008.2
25°	1607.8	1557.3	1518.2	1479.6	1445.9	1410.0	1350.8	1282.9	1209.4	1136.8	1068.0
22.5°	1635.9	1588.8	1546.7	1505.2	1477.8	1439.2	1386.0	1315.9	1266.5	1220.4	1130.9
20°	1666.5	1621.1	1573.7	1575.7	1535.4	1471.0	1419.9	1385.0	1378.2	1326.3	1210.8
17.5°	1799.5	1674.7	1697.9	1741.9	1653.1	1536.1	1517.9	1519.9	1498.4	1450.2	1306.5
15°	2084.5	1904.2	1905.9	1936.2	1839.9	1696.2	1663.0	1659.0	1625.2	1571.8	1407.6
12.5°	2174.2	2114.0	2103.0	2057.9	1963.4	1856.0	1816.7	1795.4	1733.5	1630.2	1480.3
10°	2204.6	2169.7	2123.3	2077.9	2020.5	1977.4	1921.4	1844.0	1756.1	1656.5	1534.5
7.5°	2208.2	2172.0	2134.6	2091.3	2041.0	1990.4	1935.1	1858.1	1773.1	1675.4	1572.6
5°	2206.0	2170.0	2135.4	2094.0	2042.9	1993.8	1943.8	1867.7	1784.6	1687.8	1597.7
2.5°	2200.7	2164.2	2131.2	2093.7	2042.7	1995.5	1949.1	1877.9	1792.8	1698.0	1606.1
0°	2208.5	2172.4	2141.2	2099.1	2053.1	1998.2	1951.7	1888.3	1796.8	1704.8	1609.2
-2.5°	2211.9	2174.6	2146.0	2098.5	2060.4	2004.4	1957.3	1896.1	1804.3	1716.7	1616.8
-5°	2229.8	2192.6	2155.3	2107.7	2067.6	2015.2	1962.2	1899.2	1809.9	1723.2	1620.3
-7.5°	2241.5	2203.8	2160.4	2114.3	2074.0	2024.0	1965.2	1899.5	1815.0	1723.1	1622.0
-10°	2248.8	2209.5	2166.6	2119.4	2077.8	2026.3	1964.2	1897.8	1814.0	1719.0	1618.4
-12.5°	2259.1	2214.9	2170.7	2117.1	2075.4	2022.5	1960.5	1894.0	1806.2	1711.5	1609.1
-15°	2263.0	2217.5	2165.9	2113.4	2067.8	2016.3	1952.3	1882.8	1792.6	1699.9	1594.0
-17.5°	2264.6	2212.9	2157.9	2107.4	2058.3	2003.7	1936.2	1862.3	1775.2	1679.4	1574.1
-20°	2263.3	2203.1	2146.5	2091.6	2040.1	1984.7	1915.1	1841.8	1750.4	1652.9	1548.2



REPORT NUMBER: P645351 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-740-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°	2240.3	2185.7	2128.4	2068.8	2018.3	1959.5	1891.3	1815.5	1718.0	1623.8	1515.3
-25°	2214.8	2159.8	2100.5	2045.2	1991.3	1932.9	1862.8	1776.9	1684.3	1586.3	1475.3
-27.5°	2184.8	2126.9	2065.7	2009.4	1952.4	1895.0	1822.5	1735.9	1646.9	1539.6	1432.0
-30°	2144.2	2084.5	2022.1	1957.7	1905.6	1847.0	1775.3	1691.3	1595.6	1489.7	1387.3
-32.5°	2089.1	2032.9	1970.5	1909.3	1854.9	1793.4	1721.1	1637.7	1537.2	1437.1	1330.5
-35°	2033.1	1974.9	1915.5	1857.8	1800.5	1736.1	1662.3	1571.5	1475.4	1376.3	1265.6
-37.5°	1969.2	1908.6	1852.7	1797.9	1738.8	1672.8	1591.3	1503.6	1409.9	1300.9	1195.6
-40°	1900.5	1842.1	1781.1	1726.9	1663.9	1597.3	1518.6	1433.3	1330.3	1222.6	1123.6
-42.5°	1818.9	1760.6	1697.7	1637.4	1576.2	1512.9	1441.8	1349.5	1247.5	1145.8	1043.0
-45°	1720.4	1662.0	1600.2	1538.1	1480.8	1419.3	1353.1	1254.7	1154.0	1057.1	958.4
-47.5°	1609.6	1553.0	1493.4	1431.8	1377.3	1315.5	1234.9	1143.4	1054.2	962.0	861.1
-50°	1489.3	1435.4	1380.3	1323.1	1261.9	1192.2	1114.9	1035.0	946.7	852.0	759.8
-52.5°	1357.7	1308.4	1256.4	1201.4	1138.2	1069.2	996.7	911.9	823.7	743.4	659.5
-55°	1220.5	1171.8	1120.4	1065.5	1006.6	938.2	863.1	785.9	714.0	639.7	575.7
-57.5°	1068.6	1022.5	973.5	921.6	867.2	803.6	737.7	672.3	615.4	557.6	499.6
-60°	906.3	863.2	821.5	775.6	725.3	670.6	622.6	574.3	526.0	479.9	433.1
-62.5°	749.1	713.0	675.6	638.3	600.1	560.6	520.8	483.5	445.4	406.3	371.9
-65°	600.4	573.0	543.5	517.7	490.6	462.0	430.0	400.8	373.1	344.5	315.3
-67.5°	475.7	456.1	435.3	414.9	396.3	376.6	354.1	330.5	308.6	287.4	265.8
-70°	373.2	360.2	346.7	331.8	317.0	302.1	285.6	268.2	250.6	234.7	219.5
-72.5°	286.4	277.5	267.2	256.5	245.1	235.0	223.7	211.9	200.0	187.9	176.4
-75°	221.6	215.2	208.1	200.1	190.5	179.0	170.5	164.8	157.6	148.8	139.2
-77.5°	175.3	170.6	165.5	158.7	151.6	144.3	137.1	130.0	123.0	116.4	110.3
-80°	129.0	126.7	123.9	118.3	112.6	107.0	101.7	97.3	93.2	88.7	83.1
-82.5°	75.7	75.4	74.6	71.5	68.3	65.2	62.2	59.1	55.9	52.5	49.1
-85°	24.5	25.8	26.9	27.4	27.7	27.8	27.6	26.9	25.9	24.9	23.7
-87.5°	5.3	5.3	5.3	5.6	5.8	5.9	6.1	6.4	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





REPORT NUMBER: P645351 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.8	0.8
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.8	0.9
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.8	0.9
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.8	0.9
72.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.9
70°	0.6	0.5	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.8	0.9
67.5°	0.7	0.8	0.7	0.7	0.7	0.8	1.0	1.1	1.1	0.8	0.9
65°	0.8	0.9	1.0	1.4	1.2	0.9	1.0	2.0	1.6	1.3	1.0
62.5°	1.6	0.9	3.1	4.2	2.4	1.9	1.5	4.3	2.7	1.8	1.3
60°	3.9	3.2	8.7	14.0	9.8	3.3	4.8	7.5	6.9	2.4	1.9
57.5°	36.3	12.4	18.1	26.2	25.7	14.0	10.2	13.6	11.7	6.7	2.7
55°	77.5	65.2	43.0	39.4	42.6	34.4	22.4	22.0	18.0	12.5	4.3
52.5°	106.3	110.9	96.5	67.4	58.7	56.0	43.7	31.9	28.3	18.7	10.9
50°	153.9	143.3	141.9	119.1	82.3	74.5	64.5	49.8	39.7	26.8	18.3
47.5°	217.4	190.9	176.9	166.7	131.4	95.0	84.6	68.0	52.2	38.6	26.1
45°	310.6	246.8	219.7	203.1	180.1	133.6	105.9	85.8	68.1	51.8	34.3
42.5°	404.2	319.1	268.5	241.7	217.8	177.2	128.6	106.3	83.5	65.2	44.7
40°	486.9	393.6	319.8	285.4	254.8	219.4	165.5	128.2	98.7	79.1	56.5
37.5°	586.4	478.5	378.9	331.1	294.2	254.6	202.9	151.0	116.9	93.6	68.4
35°	682.7	588.4	445.0	386.4	338.1	290.6	239.0	178.1	139.2	108.4	80.3
32.5°	786.0	691.7	544.8	448.1	383.5	327.5	272.6	211.0	161.7	123.4	92.1
30°	867.4	759.7	632.4	510.0	433.0	368.6	306.2	242.6	184.2	138.4	104.0
27.5°	910.6	818.5	701.5	578.8	488.6	410.8	340.9	272.8	206.7	155.0	116.4
25°	955.2	860.0	750.9	639.0	543.6	455.5	375.3	301.5	231.3	173.7	128.7
22.5°	1008.6	895.2	792.6	686.7	600.3	500.7	411.5	330.6	255.8	192.0	140.8
20°	1062.2	928.0	833.7	751.7	655.9	549.7	449.3	359.0	279.0	209.9	152.6
17.5°	1118.5	987.5	903.5	815.0	711.3	597.2	486.6	386.5	300.7	227.2	164.1
15°	1216.4	1076.5	973.8	876.6	766.4	642.8	522.9	413.0	321.0	243.8	174.7
12.5°	1305.2	1159.3	1044.2	936.3	820.7	686.4	558.0	438.1	339.8	257.0	184.3
10°	1378.8	1236.1	1113.8	993.5	873.3	727.5	591.4	458.6	351.0	266.9	193.0
7.5°	1439.0	1307.1	1181.6	1047.9	918.5	754.4	608.3	470.6	359.8	275.3	201.0
5°	1482.6	1354.5	1217.6	1066.9	932.7	765.4	619.8	480.3	366.8	282.3	208.2
2.5°	1495.1	1369.0	1231.1	1077.3	942.2	772.5	627.9	487.8	372.2	288.0	214.6
0°	1502.4	1378.6	1239.6	1083.7	947.1	775.9	632.9	492.9	376.1	292.5	220.2
-2.5°	1512.6	1386.9	1247.8	1100.1	950.4	786.3	635.7	496.2	380.9	294.1	223.4
-5°	1517.7	1390.1	1251.7	1111.2	949.5	792.5	635.3	497.3	384.1	294.6	225.8
-7.5°	1515.4	1389.1	1251.9	1114.7	945.3	793.9	631.9	496.2	385.4	294.2	227.3
-10°	1508.6	1383.4	1247.1	1105.7	941.3	788.3	625.7	493.0	384.6	292.9	227.9
-12.5°	1498.2	1372.9	1237.3	1092.9	933.1	776.8	618.5	487.6	381.5	290.9	227.5
-15°	1484.7	1357.6	1222.5	1076.5	919.5	761.4	607.6	479.8	375.5	288.6	226.2
-17.5°	1467.4	1337.6	1202.5	1057.1	900.4	742.3	593.0	469.5	367.9	285.8	223.4
-20°	1436.5	1310.8	1177.1	1035.0	875.7	719.7	574.6	457.0	358.9	281.8	219.5



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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°	1401.8	1277.6	1145.4	1005.2	845.8	693.7	552.3	442.0	348.5	276.6	214.9
-25°	1364.8	1240.2	1108.6	964.0	812.8	666.3	530.0	424.7	336.8	270.2	209.4
-27.5°	1321.4	1197.9	1066.8	918.7	774.5	634.4	508.6	409.3	325.5	262.5	203.2
-30°	1272.5	1148.1	1014.7	870.2	732.5	597.6	484.6	392.9	315.9	254.1	196.4
-32.5°	1216.5	1093.2	956.9	820.7	688.2	558.5	458.1	375.4	304.8	245.2	190.0
-35°	1152.7	1029.4	895.6	767.4	641.3	526.9	432.3	356.8	292.3	235.6	183.3
-37.5°	1086.4	960.9	834.4	711.8	591.3	492.7	409.0	338.4	278.3	225.3	175.9
-40°	1010.5	890.4	770.1	654.6	548.1	456.0	383.8	320.3	265.0	214.4	167.8
-42.5°	932.4	816.5	703.0	594.0	505.4	426.2	357.4	300.7	251.0	203.8	159.1
-45°	848.2	738.4	631.7	543.0	462.1	394.5	334.2	280.5	236.1	193.0	150.0
-47.5°	759.4	656.1	566.9	489.8	425.2	362.7	309.7	263.0	220.5	181.4	140.9
-50°	665.3	579.5	507.2	443.6	385.4	334.1	285.2	244.7	206.1	168.6	131.4
-52.5°	581.9	513.2	453.4	398.9	350.3	303.9	264.1	225.8	191.3	156.3	121.4
-55°	510.5	454.1	403.7	358.3	315.6	278.1	242.2	209.2	176.2	144.0	111.3
-57.5°	448.8	399.5	359.1	319.8	284.4	252.5	222.2	192.1	161.6	131.3	103.3
-60°	389.5	352.8	316.8	285.2	255.2	228.1	203.4	175.1	146.9	118.5	94.5
-62.5°	338.3	307.0	279.8	252.1	227.3	205.2	184.4	158.4	131.8	106.8	84.8
-65°	290.4	266.2	243.1	221.1	200.5	181.7	164.9	141.3	116.6	94.3	74.8
-67.5°	244.8	226.6	208.4	190.0	173.7	158.6	144.2	122.8	100.8	81.1	64.9
-70°	204.1	188.6	174.3	160.6	147.4	134.8	121.2	103.2	84.2	69.4	54.8
-72.5°	165.6	154.3	142.5	131.2	121.5	110.4	97.9	83.8	70.5	57.4	44.4
-75°	130.1	122.6	114.2	105.3	96.2	86.3	78.1	68.2	56.6	45.2	35.8
-77.5°	104.0	96.8	88.4	81.3	75.2	68.4	60.9	52.4	43.2	35.1	27.7
-80°	76.8	71.2	66.4	62.3	56.7	50.5	44.3	38.1	31.4	25.2	19.4
-82.5°	46.8	45.6	44.3	42.3	37.7	33.1	28.6	24.2	19.4	15.0	12.5
-85°	23.4	22.9	22.2	21.2	18.3	15.5	14.2	12.9	11.3	9.8	8.3
-87.5°	7.7	8.3	8.7	9.1	8.4	7.8	7.1	6.5	5.7	4.9	4.2
-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	0.2	0.2	0.1	0.1	0.1	0.0
85°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
82.5°	0.8	0.6	0.5	0.4	0.3	0.2	0.0
80°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
77.5°	1.0	1.0	0.9	0.6	0.4	0.3	0.0
75°	1.0	1.0	1.0	0.8	0.5	0.3	0.0
72.5°	1.0	1.1	1.1	0.9	0.6	0.4	0.0
70°	1.1	1.1	1.1	1.0	0.7	0.4	0.0
67.5°	1.2	1.2	1.2	1.1	0.8	0.5	0.0
65°	1.3	1.3	1.2	1.1	0.9	0.5	0.0
62.5°	1.6	1.6	1.3	1.2	1.0	0.6	0.0
60°	1.8	2.0	1.3	1.2	1.1	0.6	0.0
57.5°	3.4	2.4	1.7	1.3	1.1	0.7	0.0
55°	5.4	2.8	2.1	1.3	1.2	0.7	0.0
52.5°	7.8	3.6	2.5	1.4	1.2	0.8	0.0
50°	10.5	6.1	3.0	1.4	1.3	0.8	0.0
47.5°	14.1	8.9	3.4	1.6	1.4	0.9	0.0
45°	21.2	11.8	3.9	1.9	1.4	0.9	0.0
42.5°	28.5	14.9	4.4	2.3	1.5	1.0	0.0
40°	36.0	18.2	6.0	2.8	1.5	1.0	0.0
37.5°	43.6	21.7	8.6	3.4	1.6	1.1	0.0
35°	51.3	27.0	11.2	4.0	1.7	1.1	0.0
32.5°	59.7	33.0	13.8	4.7	1.7	1.2	0.0
30°	69.3	39.1	16.5	5.5	1.8	1.2	0.0
27.5°	78.7	45.1	19.8	6.4	1.9	1.2	0.0
25°	87.9	50.9	23.2	7.2	1.9	1.3	0.0
22.5°	96.8	57.0	26.6	8.2	2.0	1.3	0.0
20°	105.4	63.4	29.9	9.1	2.1	1.3	0.0
17.5°	113.9	69.6	33.2	10.1	2.1	1.4	0.0
15°	122.1	75.6	36.5	11.0	2.2	1.4	0.0
12.5°	129.8	81.3	39.6	12.0	2.2	1.4	0.0
10°	136.9	86.7	42.5	12.9	2.3	1.4	0.0
7.5°	143.4	91.8	45.3	13.8	2.4	1.5	0.0
5°	149.3	96.4	48.0	14.7	2.4	1.5	0.0
2.5°	154.6	100.6	50.4	15.5	2.5	1.5	0.0
0°	159.3	104.4	52.5	16.3	2.5	1.5	0.0
-2.5°	161.6	106.8	54.5	17.4	2.9	1.6	0.0
-5°	163.3	108.7	56.2	18.4	3.3	1.7	0.0
-7.5°	164.4	110.0	57.6	19.2	3.6	1.7	0.0
-10°	164.9	110.9	58.6	20.0	4.0	1.8	0.0
-12.5°	164.8	111.3	59.3	20.6	4.3	1.9	0.0
-15°	164.2	111.1	59.6	21.2	4.7	1.9	0.0
-17.5°	163.0	110.4	59.6	21.5	4.9	2.0	0.0
-20°	161.2	109.3	59.2	21.8	5.2	2.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	158.5	107.6	58.3	21.8	5.5	2.1	0.0
-25°	155.1	105.0	57.1	21.7	5.7	2.1	0.0
-27.5°	151.2	101.8	55.4	21.5	5.9	2.1	0.0
-30°	146.7	98.1	53.4	21.0	6.0	2.1	0.0
-32.5°	141.5	94.0	50.9	20.4	6.1	2.1	0.0
-35°	135.9	89.5	48.2	19.6	6.2	2.1	0.0
-37.5°	129.9	84.9	45.3	18.6	6.3	2.1	0.0
-40°	123.4	80.8	42.0	17.5	6.3	2.1	0.0
-42.5°	116.5	76.4	39.6	16.2	6.2	2.1	0.0
-45°	109.1	71.7	37.9	14.9	6.1	2.0	0.0
-47.5°	101.3	66.7	35.9	13.5	6.0	2.0	0.0
-50°	94.8	61.5	33.7	13.0	5.9	1.9	0.0
-52.5°	88.3	56.0	31.1	12.7	5.7	1.9	0.0
-55°	81.5	51.9	28.2	12.3	5.4	1.8	0.0
-57.5°	74.5	47.6	25.1	11.8	5.2	1.7	0.0
-60°	67.4	43.0	21.9	11.1	4.9	1.6	0.0
-62.5°	60.9	38.1	20.3	10.3	4.6	1.5	0.0
-65°	53.9	32.8	18.5	9.4	4.3	1.4	0.0
-67.5°	46.5	28.3	16.6	8.4	3.9	1.3	0.0
-70°	38.7	24.8	14.4	7.3	3.5	1.1	0.0
-72.5°	32.8	21.0	12.1	6.4	3.1	1.0	0.0
-75°	26.8	17.0	9.6	5.6	2.7	0.9	0.0
-77.5°	20.5	12.7	7.9	4.7	2.3	0.7	0.0
-80°	14.0	9.7	6.4	3.8	1.9	0.6	0.0
-82.5°	10.3	7.3	4.8	2.9	1.4	0.4	0.0
-85°	6.9	4.9	3.3	1.9	0.9	0.3	0.0
-87.5°	3.5	2.5	1.6	1.0	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)