

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: P645347 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1E-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645347 (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-730-U-LAM-VSR-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

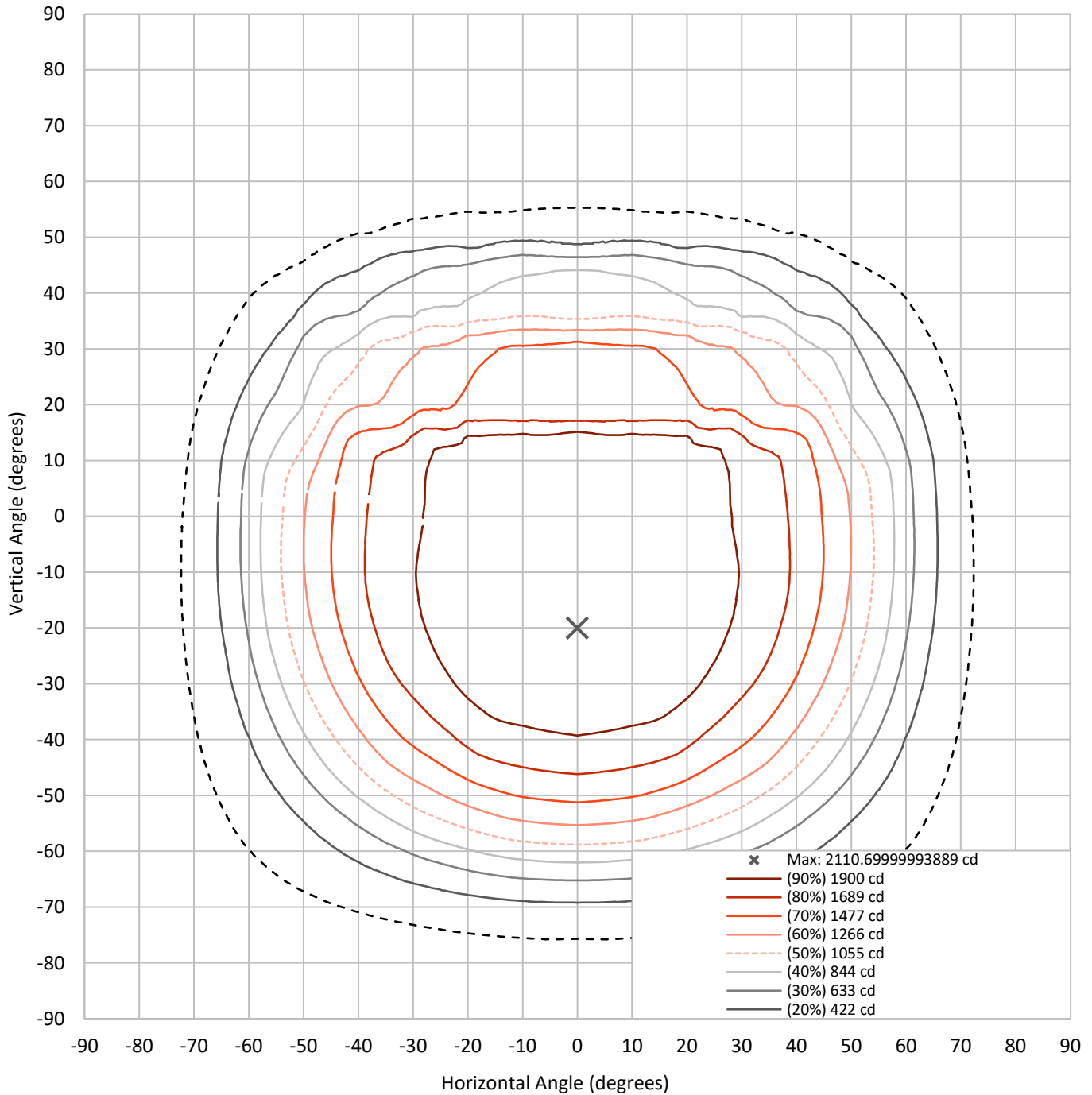
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4949.3 lumens	Max Intensity:	2110.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	74.8 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:	3869 lumens	Field Lumens:	4850.9 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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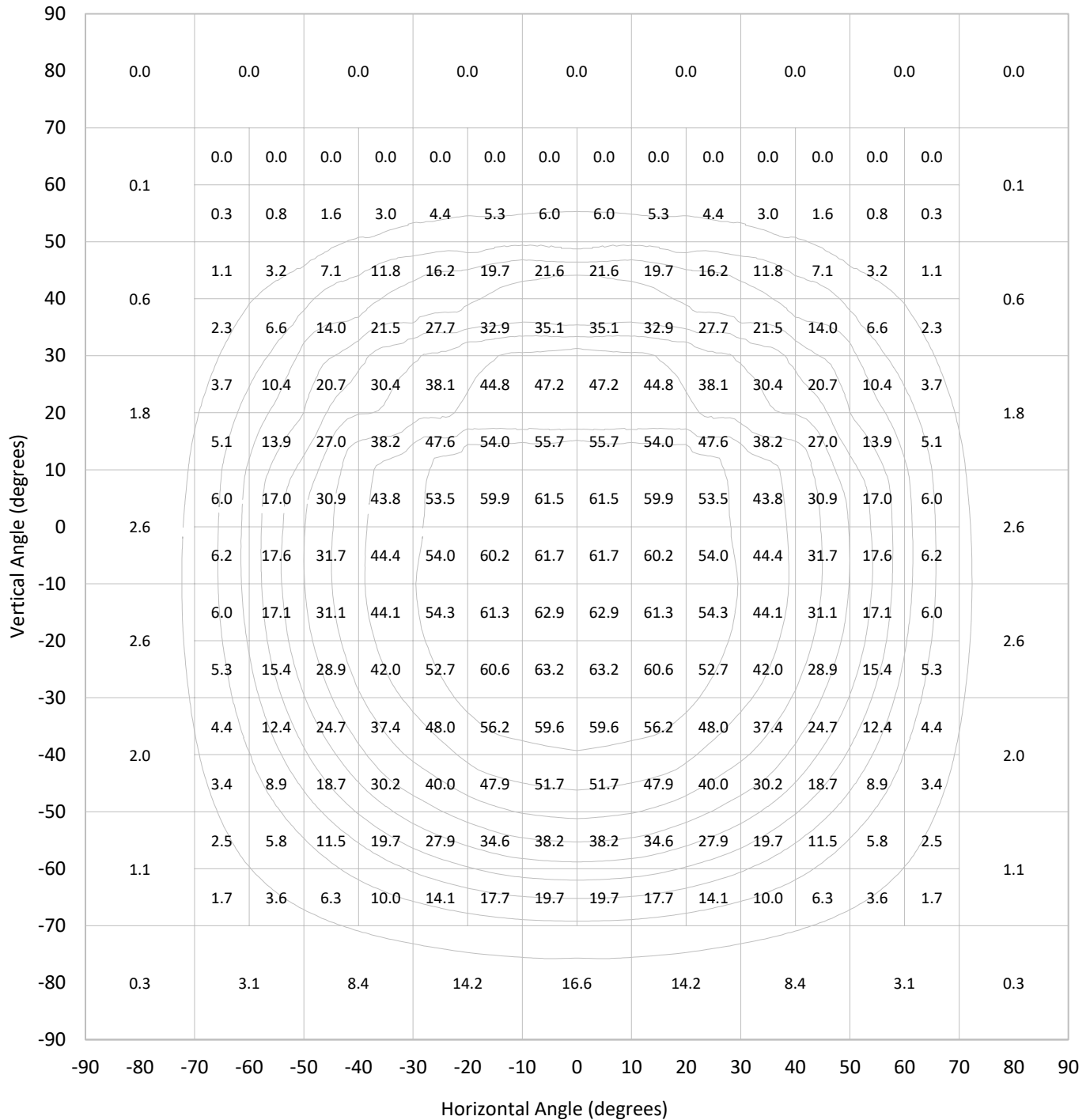
### Iso-Candela Plot





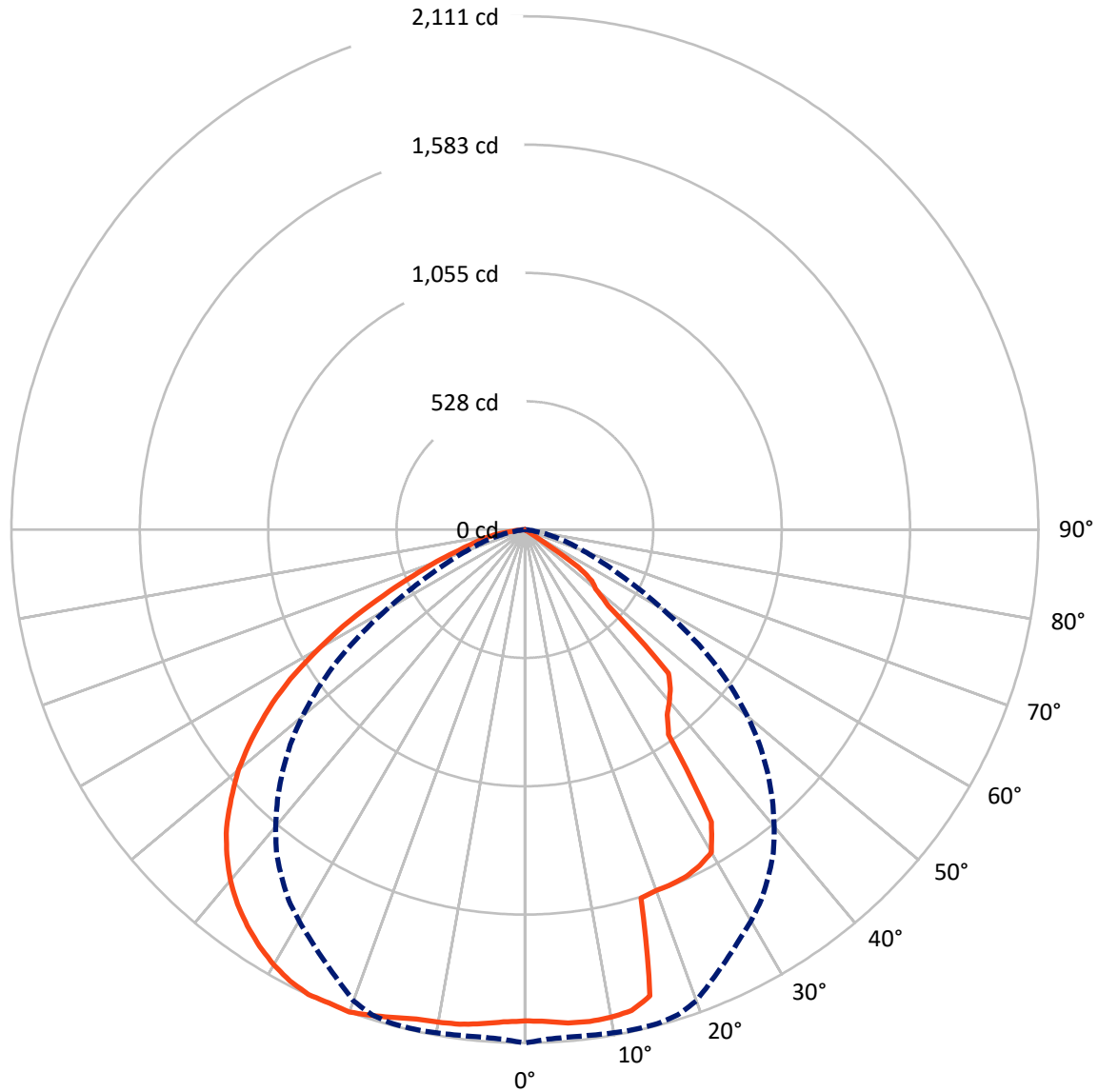
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### Lumen Table



REPORT NUMBER: P645347 (CONVERTED FROM TYPE C PHOTOMETRY)  
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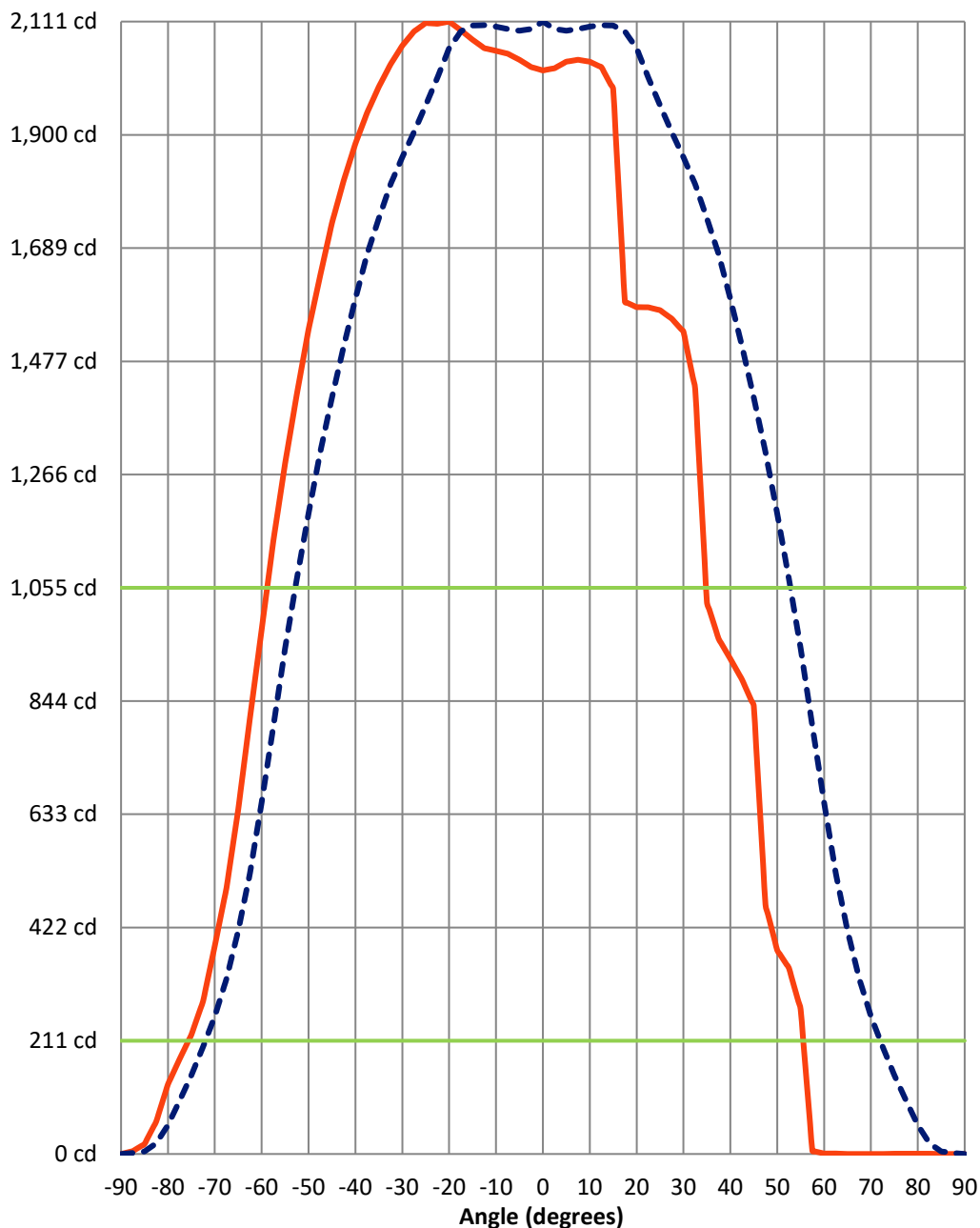
### Luminous Intensity Polar Plot



— 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: 3869  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 4850.9  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 98.3  
 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	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4
82.5°	0.0	0.2	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.6	0.5
80°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	0.8	0.7	0.6	0.5
77.5°	0.0	0.3	0.4	0.6	0.8	0.9	0.9	0.8	0.7	0.6	0.5
75°	0.0	0.3	0.5	0.7	0.9	0.9	0.9	0.8	0.7	0.6	0.5
72.5°	0.0	0.3	0.6	0.8	1.0	1.0	0.9	0.8	0.7	0.6	0.5
70°	0.0	0.4	0.6	0.9	1.0	1.0	1.0	0.8	0.7	0.7	0.7
67.5°	0.0	0.4	0.7	1.0	1.1	1.1	1.1	0.9	0.8	1.0	1.0
65°	0.0	0.5	0.8	1.0	1.1	1.2	1.2	0.9	1.2	1.4	1.8
62.5°	0.0	0.5	0.9	1.1	1.2	1.5	1.4	1.2	1.7	2.5	3.9
60°	0.0	0.6	1.0	1.1	1.2	1.8	1.7	1.7	2.2	6.3	6.8
57.5°	0.0	0.6	1.0	1.2	1.6	2.2	3.1	2.4	6.1	10.6	12.4
55°	0.0	0.7	1.1	1.2	1.9	2.6	4.9	3.9	11.4	16.4	20.0
52.5°	0.0	0.7	1.1	1.3	2.3	3.3	7.0	9.9	17.1	25.8	29.0
50°	0.0	0.8	1.2	1.3	2.7	5.6	9.5	16.7	24.4	36.1	45.3
47.5°	0.0	0.8	1.2	1.5	3.2	8.1	12.8	23.8	35.2	47.6	62.0
45°	0.0	0.9	1.3	1.8	3.6	10.8	19.3	31.3	47.2	62.0	78.1
42.5°	0.0	0.9	1.4	2.1	4.1	13.6	25.9	40.8	59.5	76.1	96.8
40°	0.0	0.9	1.4	2.6	5.5	16.6	32.7	51.5	72.1	89.9	116.7
37.5°	0.0	1.0	1.5	3.1	7.8	19.7	39.7	62.3	85.3	106.4	137.6
35°	0.0	1.0	1.5	3.7	10.2	24.5	46.7	73.1	98.8	126.8	162.2
32.5°	0.0	1.1	1.6	4.4	12.6	30.1	54.4	83.9	112.4	147.2	192.2
30°	0.0	1.1	1.7	5.1	15.1	35.6	63.1	94.7	126.1	167.7	220.9
27.5°	0.0	1.1	1.7	5.9	18.1	41.0	71.7	106.0	141.2	188.2	248.4
25°	0.0	1.2	1.8	6.7	21.1	46.4	80.0	117.2	158.2	210.6	274.6
22.5°	0.0	1.2	1.8	7.5	24.2	51.8	88.1	128.2	174.9	233.0	301.1
20°	0.0	1.2	1.9	8.3	27.3	57.7	96.0	139.0	191.1	254.1	327.0
17.5°	0.0	1.3	2.0	9.2	30.3	63.4	103.8	149.5	206.8	273.9	352.0
15°	0.0	1.3	2.0	10.1	33.2	68.9	111.2	159.2	221.9	292.3	376.1
12.5°	0.0	1.3	2.1	11.0	36.0	74.1	118.2	167.8	234.0	309.4	399.0
10°	0.0	1.3	2.1	11.8	38.7	79.0	124.7	175.8	243.0	319.7	417.7
7.5°	0.0	1.4	2.2	12.7	41.3	83.6	130.6	183.1	250.7	327.7	428.5
5°	0.0	1.4	2.2	13.5	43.7	87.8	136.0	189.6	257.0	334.1	437.4
2.5°	0.0	1.4	2.3	14.2	45.8	91.7	140.8	195.4	262.2	339.0	444.2
0°	0.0	1.4	2.3	14.9	47.8	95.1	145.1	200.5	266.3	342.5	448.8
-2.5°	0.0	1.5	2.7	15.9	49.6	97.3	147.2	203.5	267.8	346.9	451.8
-5°	0.0	1.6	3.0	16.8	51.1	99.0	148.8	205.6	268.3	349.8	452.8
-7.5°	0.0	1.6	3.3	17.6	52.4	100.2	149.8	207.0	267.9	351.0	451.8
-10°	0.0	1.7	3.7	18.2	53.4	101.0	150.2	207.5	266.7	350.3	448.9
-12.5°	0.0	1.7	4.0	18.8	54.0	101.3	150.1	207.1	264.9	347.4	444.0
-15°	0.0	1.8	4.3	19.3	54.3	101.2	149.5	205.9	262.8	341.9	436.9
-17.5°	0.0	1.9	4.5	19.6	54.2	100.5	148.4	203.4	260.2	335.0	427.6
-20°	0.0	1.9	4.8	19.8	53.8	99.5	146.7	199.9	256.6	326.8	416.1

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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	1.9	5.0	19.9	53.1	97.9	144.3	195.6	251.9	317.4	402.5
-25°	0.0	2.0	5.2	19.8	52.0	95.6	141.3	190.7	246.0	306.7	386.7
-27.5°	0.0	2.0	5.4	19.5	50.4	92.6	137.7	185.1	239.0	296.4	372.8
-30°	0.0	2.0	5.5	19.1	48.5	89.3	133.5	178.8	231.4	287.7	357.8
-32.5°	0.0	2.0	5.6	18.6	46.3	85.6	128.8	173.0	223.3	277.6	341.9
-35°	0.0	2.0	5.7	17.9	43.9	81.4	123.7	167.0	214.6	266.2	324.9
-37.5°	0.0	2.0	5.7	17.0	41.2	77.3	118.3	160.2	205.2	253.4	308.2
-40°	0.0	2.0	5.7	15.9	38.2	73.5	112.4	152.9	195.3	241.3	291.6
-42.5°	0.0	1.9	5.7	14.8	36.0	69.5	106.0	144.9	185.6	228.6	273.9
-45°	0.0	1.9	5.6	13.6	34.5	65.2	99.3	136.6	175.8	215.1	255.4
-47.5°	0.0	1.8	5.5	12.3	32.7	60.7	92.3	128.3	165.2	200.8	239.5
-50°	0.0	1.8	5.4	11.9	30.6	56.0	86.3	119.6	153.6	187.8	222.8
-52.5°	0.0	1.7	5.2	11.6	28.3	51.0	80.4	110.6	142.4	174.3	205.7
-55°	0.0	1.6	5.0	11.3	25.7	47.2	74.2	101.4	131.2	160.5	190.5
-57.5°	0.0	1.6	4.8	10.8	22.9	43.3	67.8	94.1	119.6	147.2	175.0
-60°	0.0	1.5	4.5	10.2	19.9	39.2	61.3	86.0	108.0	133.8	159.5
-62.5°	0.0	1.4	4.2	9.5	18.5	34.6	55.4	77.2	97.2	120.0	144.3
-65°	0.0	1.3	3.9	8.6	16.9	29.8	49.1	68.1	85.8	106.2	128.7
-67.5°	0.0	1.2	3.6	7.7	15.1	25.8	42.3	59.1	73.9	91.8	111.9
-70°	0.0	1.1	3.3	6.7	13.1	22.6	35.2	49.9	63.1	76.7	94.0
-72.5°	0.0	0.9	2.9	5.9	11.0	19.1	29.8	40.4	52.2	64.2	76.3
-75°	0.0	0.8	2.5	5.1	8.8	15.4	24.4	32.6	41.1	51.6	62.1
-77.5°	0.0	0.7	2.1	4.3	7.3	11.6	18.7	25.2	32.0	39.3	47.7
-80°	0.0	0.6	1.7	3.5	5.9	8.8	12.8	17.7	22.9	28.6	34.7
-82.5°	0.0	0.4	1.3	2.6	4.4	6.7	9.4	11.4	13.7	17.7	22.0
-85°	0.0	0.3	0.9	1.8	3.0	4.5	6.3	7.6	8.9	10.3	11.8
-87.5°	0.0	0.1	0.4	0.9	1.5	2.2	3.2	3.8	4.5	5.2	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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 CATALOG NUMBER: GFLD-SA1E-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°	0.2	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.7	0.7	0.7	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5
67.5°	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.5
65°	0.9	0.8	1.1	1.3	0.9	0.8	0.7	0.6	0.7	0.7	0.7
62.5°	1.3	1.7	2.2	3.8	2.8	0.8	1.5	1.8	1.3	1.1	1.1
60°	4.4	3.0	8.9	12.7	7.9	2.9	3.5	11.8	10.2	1.9	6.4
57.5°	9.3	12.7	23.4	23.8	16.5	11.4	33.0	38.2	28.9	16.9	25.8
55°	20.4	31.3	38.8	35.9	39.2	59.4	70.5	63.4	53.4	82.1	104.8
52.5°	39.8	50.9	53.5	61.4	87.9	101.0	96.8	103.5	134.2	166.7	173.8
50°	58.8	67.9	75.0	108.4	129.2	130.5	140.1	170.6	211.5	231.4	226.6
47.5°	77.1	86.5	119.7	151.8	161.1	173.9	197.9	256.7	300.1	300.9	296.0
45°	96.4	121.7	164.0	185.0	200.1	224.7	282.9	363.9	368.1	379.8	452.3
42.5°	117.2	161.4	198.3	220.1	244.5	290.6	368.1	421.3	439.5	491.1	549.4
40°	150.7	199.8	232.0	259.9	291.2	358.4	443.4	493.2	508.0	552.7	596.5
37.5°	184.8	231.8	267.9	301.5	345.0	435.7	534.0	575.1	582.6	590.7	687.8
35°	217.6	264.7	307.9	351.9	405.2	535.7	621.7	660.3	659.1	714.2	815.8
32.5°	248.3	298.3	349.3	408.1	496.1	629.8	715.8	738.9	774.0	854.1	992.8
30°	278.9	335.7	394.3	464.4	575.9	691.8	789.9	827.1	887.2	978.7	1079.6
27.5°	310.4	374.1	445.0	527.1	638.8	745.4	829.2	918.1	976.5	1058.5	1130.3
25°	341.8	414.8	495.0	581.9	683.8	783.2	869.8	972.5	1035.2	1101.3	1168.3
22.5°	374.8	456.0	546.6	625.3	721.8	815.2	918.4	1029.8	1111.3	1153.3	1198.3
20°	409.2	500.6	597.2	684.5	759.2	845.0	967.2	1102.6	1207.8	1255.1	1261.2
17.5°	443.1	543.8	647.7	742.2	822.8	899.2	1018.5	1189.7	1320.6	1364.5	1384.0
15°	476.2	585.4	697.9	798.3	886.8	980.2	1107.6	1281.8	1431.4	1480.0	1510.7
12.5°	508.1	625.0	747.3	852.6	950.9	1055.7	1188.6	1348.0	1484.5	1578.6	1635.0
10°	538.6	662.4	795.3	904.7	1014.2	1125.6	1255.5	1397.3	1508.5	1599.2	1679.2
7.5°	553.9	686.9	836.5	954.3	1075.9	1190.3	1310.4	1432.1	1525.7	1614.7	1692.1
5°	564.4	697.0	849.3	971.6	1108.7	1233.4	1350.0	1454.9	1536.9	1625.1	1700.7
2.5°	571.8	703.5	858.1	981.1	1121.1	1246.7	1361.4	1462.5	1546.2	1632.6	1710.0
0°	576.3	706.6	862.5	986.9	1128.8	1255.4	1368.1	1465.4	1552.4	1636.2	1719.6
-2.5°	578.9	716.0	865.5	1001.8	1136.2	1262.9	1377.4	1472.4	1563.3	1643.0	1726.6
-5°	578.6	721.7	864.7	1011.9	1139.8	1265.9	1382.0	1475.6	1569.2	1648.2	1729.5
-7.5°	575.4	723.0	860.8	1015.0	1139.9	1264.9	1380.0	1477.1	1569.1	1652.8	1729.7
-10°	569.9	717.9	857.2	1006.9	1135.6	1259.8	1373.7	1473.7	1565.4	1651.9	1728.3
-12.5°	563.3	707.3	849.7	995.2	1126.7	1250.2	1364.3	1465.3	1558.6	1644.8	1724.8
-15°	553.3	693.3	837.3	980.3	1113.2	1236.2	1352.0	1451.5	1548.0	1632.5	1714.6
-17.5°	540.0	676.0	819.9	962.6	1095.0	1218.0	1336.3	1433.3	1529.3	1616.6	1695.8
-20°	523.2	655.4	797.3	942.5	1071.9	1193.6	1308.1	1409.8	1505.2	1594.0	1677.2

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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°	502.9	631.7	770.2	915.4	1043.0	1163.4	1276.5	1379.8	1478.7	1564.5	1653.3
-25°	482.6	606.7	740.1	877.9	1009.5	1129.3	1242.8	1343.5	1444.5	1533.8	1618.1
-27.5°	463.1	577.7	705.3	836.5	971.5	1090.8	1203.3	1304.0	1402.0	1499.6	1580.8
-30°	441.3	544.2	667.1	792.4	924.0	1045.5	1158.7	1263.3	1356.6	1453.0	1540.1
-32.5°	417.2	508.6	626.7	747.3	871.4	995.5	1107.7	1211.6	1308.6	1399.8	1491.3
-35°	393.6	479.8	584.0	698.9	815.6	937.4	1049.7	1152.5	1253.3	1343.6	1431.0
-37.5°	372.4	448.7	538.5	648.3	759.8	875.0	989.3	1088.8	1184.6	1283.9	1369.2
-40°	349.5	415.3	499.1	596.1	701.3	810.9	920.2	1023.2	1113.3	1211.4	1305.2
-42.5°	325.4	388.1	460.3	541.0	640.2	743.5	849.1	949.8	1043.4	1136.0	1228.9
-45°	304.4	359.3	420.8	494.5	575.3	672.4	772.4	872.8	962.6	1050.9	1142.6
-47.5°	282.0	330.3	387.2	446.0	516.3	597.5	691.5	784.1	876.1	960.0	1041.2
-50°	259.7	304.2	351.0	404.0	461.9	527.7	605.8	691.9	775.9	862.1	942.6
-52.5°	240.5	276.8	319.0	363.3	412.9	467.3	529.9	600.6	677.0	750.1	830.4
-55°	220.5	253.3	287.4	326.3	367.6	413.6	464.9	524.3	582.5	650.2	715.7
-57.5°	202.4	230.0	259.0	291.2	327.1	363.9	408.7	454.9	507.8	560.4	612.2
-60°	185.2	207.8	232.4	259.7	288.5	321.3	354.7	394.4	437.0	479.0	523.0
-62.5°	168.0	186.9	207.0	229.6	254.8	279.5	308.1	338.7	370.0	405.6	440.3
-65°	150.2	165.5	182.5	201.3	221.4	242.5	264.4	287.1	313.7	339.8	365.0
-67.5°	131.3	144.4	158.2	173.0	189.8	206.4	222.9	242.0	261.7	281.0	300.9
-70°	110.4	122.8	134.3	146.2	158.7	171.7	185.8	199.9	213.7	228.2	244.2
-72.5°	89.1	100.5	110.6	119.5	129.7	140.5	150.8	160.7	171.1	182.1	193.0
-75°	71.1	78.6	87.6	95.9	104.0	111.6	118.4	126.8	135.5	143.5	150.0
-77.5°	55.5	62.3	68.5	74.0	80.5	88.1	94.7	100.4	106.0	112.0	118.4
-80°	40.4	46.0	51.6	56.8	60.5	64.8	69.9	75.7	80.8	84.9	88.6
-82.5°	26.1	30.2	34.3	38.6	40.3	41.5	42.6	44.7	47.8	50.9	53.8
-85°	13.0	14.2	16.7	19.3	20.2	20.9	21.3	21.6	22.6	23.6	24.5
-87.5°	6.5	7.1	7.7	8.3	8.0	7.5	7.0	6.4	6.2	6.1	5.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	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	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.3
62.5°	1.1	1.3	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.8
60°	7.1	4.2	2.5	2.9	2.6	1.7	2.2	2.6	2.6	2.4	2.1
57.5°	39.2	29.3	21.7	51.7	51.9	24.8	29.8	46.9	38.6	12.7	11.8
55°	109.0	130.3	171.6	162.9	165.6	190.4	207.9	184.1	180.5	192.3	222.1
52.5°	195.8	216.1	230.0	242.9	258.7	275.7	293.1	304.3	314.7	325.7	332.3
50°	250.0	278.6	298.4	291.1	332.0	348.7	331.7	346.9	365.4	370.4	372.8
47.5°	369.1	411.2	419.6	446.6	471.0	470.5	449.8	451.0	506.1	554.7	578.5
45°	530.5	531.9	558.4	606.2	640.5	629.7	658.6	724.3	746.1	767.3	784.6
42.5°	593.4	619.4	661.6	703.9	729.4	751.6	773.0	797.1	825.5	848.5	866.9
40°	654.2	675.2	718.4	752.5	773.6	794.3	819.2	846.0	872.0	892.2	906.0
37.5°	747.9	764.2	774.7	806.3	846.3	827.9	875.2	909.1	924.6	945.1	946.9
35°	889.6	878.8	864.8	990.8	998.3	955.8	1000.0	1052.5	1024.9	1082.5	1113.5
32.5°	1015.3	1013.7	1123.6	1189.8	1151.8	1182.9	1284.8	1280.3	1348.2	1379.7	1370.7
30°	1133.7	1174.0	1237.6	1287.0	1293.6	1342.6	1387.9	1427.6	1468.6	1505.3	1507.8
27.5°	1193.7	1246.4	1289.6	1318.2	1350.0	1391.3	1432.4	1477.1	1511.9	1534.9	1540.6
25°	1230.1	1283.9	1316.6	1347.3	1382.5	1418.2	1464.1	1512.7	1540.8	1555.0	1559.5
22.5°	1262.1	1310.5	1345.7	1370.6	1408.5	1446.8	1489.6	1530.8	1561.3	1567.5	1569.7
20°	1293.0	1339.5	1398.2	1434.9	1433.1	1476.2	1517.5	1550.3	1575.7	1575.5	1576.1
17.5°	1382.3	1398.9	1505.4	1586.2	1546.2	1525.1	1638.7	1640.9	1647.6	1634.2	1605.1
15°	1514.4	1544.6	1675.5	1763.1	1735.5	1734.1	1898.2	1857.5	1892.5	1883.4	1922.8
12.5°	1654.4	1690.2	1787.9	1874.0	1915.0	1925.1	1979.9	2031.3	2041.8	2037.7	2029.9
10°	1749.7	1800.7	1840.0	1892.2	1933.6	1975.8	2007.5	2044.4	2056.5	2049.5	2039.6
7.5°	1762.1	1812.5	1858.6	1904.5	1943.9	1977.9	2010.8	2040.8	2053.1	2049.0	2042.3
5°	1770.0	1815.7	1860.4	1906.9	1944.5	1976.1	2008.9	2039.3	2046.6	2041.7	2035.1
2.5°	1774.9	1817.2	1860.2	1906.5	1940.7	1970.8	2004.0	2036.5	2036.4	2034.3	2030.4
0°	1777.3	1819.6	1869.6	1911.5	1949.8	1978.2	2011.1	2042.7	2040.4	2034.6	2027.8
-2.5°	1782.3	1825.2	1876.3	1911.0	1954.2	1980.2	2014.2	2041.5	2040.5	2037.6	2034.3
-5°	1786.8	1835.1	1882.9	1919.4	1962.7	1996.7	2030.4	2051.8	2053.0	2049.0	2043.3
-7.5°	1789.6	1843.1	1888.7	1925.3	1967.3	2006.8	2041.1	2063.6	2064.0	2058.7	2051.9
-10°	1788.7	1845.1	1892.0	1930.0	1972.9	2012.0	2047.8	2076.3	2075.4	2070.3	2064.5
-12.5°	1785.3	1841.7	1889.9	1927.9	1976.7	2016.9	2057.2	2085.5	2087.0	2083.2	2077.0
-15°	1777.9	1836.1	1883.0	1924.5	1972.3	2019.3	2060.7	2091.9	2097.5	2094.4	2089.5
-17.5°	1763.2	1824.7	1874.4	1919.1	1965.0	2015.1	2062.2	2096.3	2103.9	2102.7	2098.6
-20°	1743.9	1807.3	1857.8	1904.7	1954.7	2006.3	2061.1	2092.2	2103.3	2104.0	2101.2



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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°	1722.3	1784.4	1837.9	1883.9	1938.2	1990.4	2040.1	2076.5	2095.1	2098.6	2098.8
-25°	1696.3	1760.2	1813.3	1862.4	1912.8	1966.7	2016.9	2057.6	2076.4	2085.4	2088.2
-27.5°	1659.7	1725.7	1777.9	1829.8	1881.1	1936.8	1989.5	2033.9	2049.1	2061.5	2066.4
-30°	1616.7	1681.9	1735.3	1782.7	1841.3	1898.1	1952.6	1991.2	2014.3	2028.4	2036.1
-32.5°	1567.3	1633.1	1689.1	1738.7	1794.4	1851.2	1902.4	1943.2	1975.0	1991.3	1999.5
-35°	1513.7	1580.9	1639.6	1691.8	1744.3	1798.4	1851.4	1894.1	1930.3	1944.3	1954.7
-37.5°	1449.1	1523.3	1583.4	1637.2	1687.1	1738.0	1793.2	1841.9	1877.1	1890.7	1901.6
-40°	1382.9	1454.5	1515.1	1572.6	1621.9	1677.5	1730.7	1781.8	1812.3	1828.1	1840.5
-42.5°	1312.9	1377.7	1435.3	1491.1	1546.0	1603.2	1656.4	1709.5	1735.9	1755.0	1770.1
-45°	1232.2	1292.4	1348.4	1400.6	1457.2	1513.5	1566.7	1613.6	1645.0	1669.9	1689.3
-47.5°	1124.6	1198.0	1254.2	1303.8	1359.9	1414.2	1465.8	1509.9	1544.4	1573.5	1595.9
-50°	1015.3	1085.7	1149.1	1204.9	1256.9	1307.1	1356.2	1399.4	1435.8	1467.3	1490.1
-52.5°	907.6	973.6	1036.5	1094.1	1144.1	1191.5	1236.4	1279.8	1318.3	1351.9	1374.0
-55°	785.9	854.3	916.5	970.2	1020.2	1067.1	1111.4	1152.6	1190.5	1224.8	1245.8
-57.5°	671.8	731.8	789.7	839.3	886.5	931.1	973.1	1012.6	1049.0	1081.3	1101.6
-60°	566.9	610.7	660.5	706.2	748.1	786.1	825.3	862.1	895.5	923.9	942.9
-62.5°	474.2	510.5	546.5	581.2	615.2	649.3	682.1	712.6	740.6	763.8	780.5
-65°	391.6	420.7	446.8	471.4	494.9	521.8	546.8	570.3	592.0	609.8	622.5
-67.5°	322.5	342.9	360.9	377.8	396.4	415.4	433.2	448.7	462.0	472.5	480.9
-70°	260.1	275.1	288.7	302.2	315.7	328.1	339.8	351.3	362.1	370.9	377.6
-72.5°	203.7	214.0	223.2	233.6	243.3	252.7	260.9	267.4	272.5	277.5	281.8
-75°	155.2	163.0	173.4	182.2	189.5	195.9	201.8	207.1	211.7	215.8	219.4
-77.5°	124.9	131.4	138.0	144.5	150.7	155.3	159.6	163.9	168.1	171.7	174.9
-80°	92.6	97.5	102.6	107.7	112.9	115.4	117.4	119.3	121.0	123.1	125.2
-82.5°	56.6	59.4	62.2	65.1	68.0	68.7	69.0	68.9	68.5	67.7	66.5
-85°	25.2	25.3	25.2	24.9	24.5	23.5	22.3	20.9	19.3	19.0	18.7
-87.5°	5.6	5.4	5.3	5.1	4.9	4.9	4.9	4.9	4.8	5.0	5.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-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°	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9
60°	1.6	1.1	0.9	0.9	0.9	1.1	1.6	2.1	2.4	2.6	2.6
57.5°	10.0	7.5	6.4	5.9	6.4	7.5	10.0	11.8	12.7	38.6	46.9
55°	243.5	255.9	265.2	269.5	265.2	255.9	243.5	222.1	192.3	180.5	184.1
52.5°	338.1	343.5	346.6	346.5	346.6	343.5	338.1	332.3	325.7	314.7	304.3
50°	376.9	379.5	380.5	379.9	380.5	379.5	376.9	372.8	370.4	365.4	346.9
47.5°	556.7	508.5	473.1	464.6	473.1	508.5	556.7	578.5	554.7	506.1	451.0
45°	792.9	811.2	829.4	835.0	829.4	811.2	792.9	784.6	767.3	746.1	724.3
42.5°	874.7	880.6	884.0	884.1	884.0	880.6	874.7	866.9	848.5	825.5	797.1
40°	913.7	919.3	922.6	922.9	922.6	919.3	913.7	906.0	892.2	872.0	846.0
37.5°	949.2	954.0	957.1	960.3	957.1	954.0	949.2	946.9	945.1	924.6	909.1
35°	1109.3	1073.0	1020.9	1028.8	1020.9	1073.0	1109.3	1113.5	1082.5	1024.9	1052.5
32.5°	1384.8	1400.1	1409.6	1425.8	1409.6	1400.1	1384.8	1370.7	1379.7	1348.2	1280.3
30°	1511.9	1516.9	1524.5	1532.6	1524.5	1516.9	1511.9	1507.8	1505.3	1468.6	1427.6
27.5°	1543.6	1548.8	1553.5	1556.9	1553.5	1548.8	1543.6	1540.6	1534.9	1511.9	1477.1
25°	1560.2	1563.4	1568.3	1572.7	1568.3	1563.4	1560.2	1559.5	1555.0	1540.8	1512.7
22.5°	1568.4	1568.7	1572.6	1578.1	1572.6	1568.7	1568.4	1569.7	1567.5	1561.3	1530.8
20°	1574.1	1571.0	1575.0	1578.5	1575.0	1571.0	1574.1	1576.1	1575.5	1575.7	1550.3
17.5°	1646.1	1605.0	1588.1	1588.4	1588.1	1605.0	1646.1	1605.1	1634.2	1647.6	1640.9
15°	1878.5	1893.9	1953.0	1985.0	1953.0	1893.9	1878.5	1922.8	1883.4	1892.5	1857.5
12.5°	2028.5	2023.0	2016.0	2025.6	2016.0	2023.0	2028.5	2029.9	2037.7	2041.8	2031.3
10°	2035.5	2034.8	2022.3	2035.9	2022.3	2034.8	2035.5	2039.6	2049.5	2056.5	2044.4
7.5°	2031.2	2031.6	2026.3	2039.5	2026.3	2031.6	2031.2	2042.3	2049.0	2053.1	2040.8
5°	2034.0	2024.9	2028.3	2035.9	2028.3	2024.9	2034.0	2035.1	2041.7	2046.6	2039.3
2.5°	2026.2	2025.2	2018.4	2023.8	2018.4	2025.2	2026.2	2030.4	2034.3	2036.4	2036.5
0°	2020.1	2015.2	2015.2	2019.7	2015.2	2015.2	2020.1	2027.8	2034.6	2040.4	2042.7
-2.5°	2030.8	2029.8	2029.1	2026.0	2029.1	2029.8	2030.8	2034.3	2037.6	2040.5	2041.5
-5°	2039.6	2036.9	2029.5	2039.5	2029.5	2036.9	2039.6	2043.3	2049.0	2053.0	2051.8
-7.5°	2049.0	2042.2	2035.2	2050.8	2035.2	2042.2	2049.0	2051.9	2058.7	2064.0	2063.6
-10°	2057.6	2047.7	2040.9	2056.2	2040.9	2047.7	2057.6	2064.5	2070.3	2075.4	2076.3
-12.5°	2069.0	2057.4	2052.8	2061.2	2052.8	2057.4	2069.0	2077.0	2083.2	2087.0	2085.5
-15°	2081.1	2073.1	2072.0	2076.9	2072.0	2073.1	2081.1	2089.5	2094.4	2097.5	2091.9
-17.5°	2091.8	2086.1	2088.9	2094.5	2088.9	2086.1	2091.8	2098.6	2102.7	2103.9	2096.3
-20°	2096.9	2093.7	2096.9	2110.7	2096.9	2093.7	2096.9	2101.2	2104.0	2103.3	2092.2



REPORT NUMBER: P645347 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-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°	2096.4	2096.6	2102.1	2106.7	2102.1	2096.6	2096.4	2098.8	2098.6	2095.1	2076.5
-25°	2088.4	2092.6	2099.0	2108.0	2099.0	2092.6	2088.4	2088.2	2085.4	2076.4	2057.6
-27.5°	2069.1	2076.1	2082.7	2092.2	2082.7	2076.1	2069.1	2066.4	2061.5	2049.1	2033.9
-30°	2041.2	2049.5	2055.4	2065.7	2055.4	2049.5	2041.2	2036.1	2028.4	2014.3	1991.2
-32.5°	2007.3	2016.7	2023.7	2031.0	2023.7	2016.7	2007.3	1999.5	1991.3	1975.0	1943.2
-35°	1964.9	1975.0	1982.4	1989.1	1982.4	1975.0	1964.9	1954.7	1944.3	1930.3	1894.1
-37.5°	1913.9	1924.8	1933.2	1940.8	1933.2	1924.8	1913.9	1901.6	1890.7	1877.1	1841.9
-40°	1854.5	1865.7	1874.7	1883.2	1874.7	1865.7	1854.5	1840.5	1828.1	1812.3	1781.8
-42.5°	1785.0	1796.3	1805.7	1814.2	1805.7	1796.3	1785.0	1770.1	1755.0	1735.9	1709.5
-45°	1704.8	1716.5	1726.3	1735.4	1726.3	1716.5	1704.8	1689.3	1669.9	1645.0	1613.6
-47.5°	1612.5	1624.9	1633.3	1637.6	1633.3	1624.9	1612.5	1595.9	1573.5	1544.4	1509.9
-50°	1506.6	1519.0	1529.1	1536.6	1529.1	1519.0	1506.6	1490.1	1467.3	1435.8	1399.4
-52.5°	1390.0	1401.9	1410.6	1415.9	1410.6	1401.9	1390.0	1374.0	1351.9	1318.3	1279.8
-55°	1262.4	1274.9	1283.1	1287.0	1283.1	1274.9	1262.4	1245.8	1224.8	1190.5	1152.6
-57.5°	1117.7	1129.5	1138.3	1143.2	1138.3	1129.5	1117.7	1101.6	1081.3	1049.0	1012.6
-60°	957.6	968.2	974.8	977.4	974.8	968.2	957.6	942.9	923.9	895.5	862.1
-62.5°	793.8	803.8	810.1	812.5	810.1	803.8	793.8	780.5	763.8	740.6	712.6
-65°	631.9	638.1	641.6	642.1	641.6	638.1	631.9	622.5	609.8	592.0	570.3
-67.5°	487.5	492.2	495.1	496.1	495.1	492.2	487.5	480.9	472.5	462.0	448.7
-70°	382.5	385.8	387.7	388.0	387.7	385.8	382.5	377.6	370.9	362.1	351.3
-72.5°	285.2	287.6	286.7	284.8	286.7	287.6	285.2	281.8	277.5	272.5	267.4
-75°	222.5	225.1	224.0	222.2	224.0	225.1	222.5	219.4	215.8	211.7	207.1
-77.5°	177.8	180.1	179.0	177.1	179.0	180.1	177.8	174.9	171.7	168.1	163.9
-80°	126.9	128.3	129.3	129.8	129.3	128.3	126.9	125.2	123.1	121.0	119.3
-82.5°	64.9	63.0	61.8	60.4	61.8	63.0	64.9	66.5	67.7	68.5	68.9
-85°	18.4	17.9	18.2	18.5	18.2	17.9	18.4	18.7	19.0	19.3	20.9
-87.5°	5.3	5.4	5.4	5.4	5.4	5.4	5.3	5.1	5.0	4.8	4.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645347 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
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	0.5
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	0.6	0.7	0.7	0.7	0.7	0.6
62.5°	0.9	1.0	1.0	1.0	1.0	1.3	1.1	1.1	1.1	1.3	1.8
60°	2.2	1.7	2.6	2.9	2.5	4.2	7.1	6.4	1.9	10.2	11.8
57.5°	29.8	24.8	51.9	51.7	21.7	29.3	39.2	25.8	16.9	28.9	38.2
55°	207.9	190.4	165.6	162.9	171.6	130.3	109.0	104.8	82.1	53.4	63.4
52.5°	293.1	275.7	258.7	242.9	230.0	216.1	195.8	173.8	166.7	134.2	103.5
50°	331.7	348.7	332.0	291.1	298.4	278.6	250.0	226.6	231.4	211.5	170.6
47.5°	449.8	470.5	471.0	446.6	419.6	411.2	369.1	296.0	300.9	300.1	256.7
45°	658.6	629.7	640.5	606.2	558.4	531.9	530.5	452.3	379.8	368.1	363.9
42.5°	773.0	751.6	729.4	703.9	661.6	619.4	593.4	549.4	491.1	439.5	421.3
40°	819.2	794.3	773.6	752.5	718.4	675.2	654.2	596.5	552.7	508.0	493.2
37.5°	875.2	827.9	846.3	806.3	774.7	764.2	747.9	687.8	590.7	582.6	575.1
35°	1000.0	955.8	998.3	990.8	864.8	878.8	889.6	815.8	714.2	659.1	660.3
32.5°	1284.8	1182.9	1151.8	1189.8	1123.6	1013.7	1015.3	992.8	854.1	774.0	738.9
30°	1387.9	1342.6	1293.6	1287.0	1237.6	1174.0	1133.7	1079.6	978.7	887.2	827.1
27.5°	1432.4	1391.3	1350.0	1318.2	1289.6	1246.4	1193.7	1130.3	1058.5	976.5	918.1
25°	1464.1	1418.2	1382.5	1347.3	1316.6	1283.9	1230.1	1168.3	1101.3	1035.2	972.5
22.5°	1489.6	1446.8	1408.5	1370.6	1345.7	1310.5	1262.1	1198.3	1153.3	1111.3	1029.8
20°	1517.5	1476.2	1433.1	1434.9	1398.2	1339.5	1293.0	1261.2	1255.1	1207.8	1102.6
17.5°	1638.7	1525.1	1546.2	1586.2	1505.4	1398.9	1382.3	1384.0	1364.5	1320.6	1189.7
15°	1898.2	1734.1	1735.5	1763.1	1675.5	1544.6	1514.4	1510.7	1480.0	1431.4	1281.8
12.5°	1979.9	1925.1	1915.0	1874.0	1787.9	1690.2	1654.4	1635.0	1578.6	1484.5	1348.0
10°	2007.5	1975.8	1933.6	1892.2	1840.0	1800.7	1749.7	1679.2	1599.2	1508.5	1397.3
7.5°	2010.8	1977.9	1943.9	1904.5	1858.6	1812.5	1762.1	1692.1	1614.7	1525.7	1432.1
5°	2008.9	1976.1	1944.5	1906.9	1860.4	1815.7	1770.0	1700.7	1625.1	1536.9	1454.9
2.5°	2004.0	1970.8	1940.7	1906.5	1860.2	1817.2	1774.9	1710.0	1632.6	1546.2	1462.5
0°	2011.1	1978.2	1949.8	1911.5	1869.6	1819.6	1777.3	1719.6	1636.2	1552.4	1465.4
-2.5°	2014.2	1980.2	1954.2	1911.0	1876.3	1825.2	1782.3	1726.6	1643.0	1563.3	1472.4
-5°	2030.4	1996.7	1962.7	1919.4	1882.9	1835.1	1786.8	1729.5	1648.2	1569.2	1475.6
-7.5°	2041.1	2006.8	1967.3	1925.3	1888.7	1843.1	1789.6	1729.7	1652.8	1569.1	1477.1
-10°	2047.8	2012.0	1972.9	1930.0	1892.0	1845.1	1788.7	1728.3	1651.9	1565.4	1473.7
-12.5°	2057.2	2016.9	1976.7	1927.9	1889.9	1841.7	1785.3	1724.8	1644.8	1558.6	1465.3
-15°	2060.7	2019.3	1972.3	1924.5	1883.0	1836.1	1777.9	1714.6	1632.5	1548.0	1451.5
-17.5°	2062.2	2015.1	1965.0	1919.1	1874.4	1824.7	1763.2	1695.8	1616.6	1529.3	1433.3
-20°	2061.1	2006.3	1954.7	1904.7	1857.8	1807.3	1743.9	1677.2	1594.0	1505.2	1409.8



Classified

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

Scaled Data Report



REPORT NUMBER: P645347 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1E-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°	2040.1	1990.4	1938.2	1883.9	1837.9	1784.4	1722.3	1653.3	1564.5	1478.7	1379.8
-25°	2016.9	1966.7	1912.8	1862.4	1813.3	1760.2	1696.3	1618.1	1533.8	1444.5	1343.5
-27.5°	1989.5	1936.8	1881.1	1829.8	1777.9	1725.7	1659.7	1580.8	1499.6	1402.0	1304.0
-30°	1952.6	1898.1	1841.3	1782.7	1735.3	1681.9	1616.7	1540.1	1453.0	1356.6	1263.3
-32.5°	1902.4	1851.2	1794.4	1738.7	1689.1	1633.1	1567.3	1491.3	1399.8	1308.6	1211.6
-35°	1851.4	1798.4	1744.3	1691.8	1639.6	1580.9	1513.7	1431.0	1343.6	1253.3	1152.5
-37.5°	1793.2	1738.0	1687.1	1637.2	1583.4	1523.3	1449.1	1369.2	1283.9	1184.6	1088.8
-40°	1730.7	1677.5	1621.9	1572.6	1515.1	1454.5	1382.9	1305.2	1211.4	1113.3	1023.2
-42.5°	1656.4	1603.2	1546.0	1491.1	1435.3	1377.7	1312.9	1228.9	1136.0	1043.4	949.8
-45°	1566.7	1513.5	1457.2	1400.6	1348.4	1292.4	1232.2	1142.6	1050.9	962.6	872.8
-47.5°	1465.8	1414.2	1359.9	1303.8	1254.2	1198.0	1124.6	1041.2	960.0	876.1	784.1
-50°	1356.2	1307.1	1256.9	1204.9	1149.1	1085.7	1015.3	942.6	862.1	775.9	691.9
-52.5°	1236.4	1191.5	1144.1	1094.1	1036.5	973.6	907.6	830.4	750.1	677.0	600.6
-55°	1111.4	1067.1	1020.2	970.2	916.5	854.3	785.9	715.7	650.2	582.5	524.3
-57.5°	973.1	931.1	886.5	839.3	789.7	731.8	671.8	612.2	560.4	507.8	454.9
-60°	825.3	786.1	748.1	706.2	660.5	610.7	566.9	523.0	479.0	437.0	394.4
-62.5°	682.1	649.3	615.2	581.2	546.5	510.5	474.2	440.3	405.6	370.0	338.7
-65°	546.8	521.8	494.9	471.4	446.8	420.7	391.6	365.0	339.8	313.7	287.1
-67.5°	433.2	415.4	396.4	377.8	360.9	342.9	322.5	300.9	281.0	261.7	242.0
-70°	339.8	328.1	315.7	302.2	288.7	275.1	260.1	244.2	228.2	213.7	199.9
-72.5°	260.9	252.7	243.3	233.6	223.2	214.0	203.7	193.0	182.1	171.1	160.7
-75°	201.8	195.9	189.5	182.2	173.4	163.0	155.2	150.0	143.5	135.5	126.8
-77.5°	159.6	155.3	150.7	144.5	138.0	131.4	124.9	118.4	112.0	106.0	100.4
-80°	117.4	115.4	112.9	107.7	102.6	97.5	92.6	88.6	84.9	80.8	75.7
-82.5°	69.0	68.7	68.0	65.1	62.2	59.4	56.6	53.8	50.9	47.8	44.7
-85°	22.3	23.5	24.5	24.9	25.2	25.3	25.2	24.5	23.6	22.6	21.6
-87.5°	4.9	4.9	4.9	5.1	5.3	5.4	5.6	5.8	6.1	6.2	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





REPORT NUMBER: P645347 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-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°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
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	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.8
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.8
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.8
72.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.6	0.7	0.8
70°	0.6	0.5	0.5	0.6	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	0.8	0.9	1.0	1.0	0.8	0.9
65°	0.7	0.8	0.9	1.3	1.1	0.8	0.9	1.8	1.4	1.2	0.9
62.5°	1.5	0.8	2.8	3.8	2.2	1.7	1.3	3.9	2.5	1.7	1.2
60°	3.5	2.9	7.9	12.7	8.9	3.0	4.4	6.8	6.3	2.2	1.7
57.5°	33.0	11.4	16.5	23.8	23.4	12.7	9.3	12.4	10.6	6.1	2.4
55°	70.5	59.4	39.2	35.9	38.8	31.3	20.4	20.0	16.4	11.4	3.9
52.5°	96.8	101.0	87.9	61.4	53.5	50.9	39.8	29.0	25.8	17.1	9.9
50°	140.1	130.5	129.2	108.4	75.0	67.9	58.8	45.3	36.1	24.4	16.7
47.5°	197.9	173.9	161.1	151.8	119.7	86.5	77.1	62.0	47.6	35.2	23.8
45°	282.9	224.7	200.1	185.0	164.0	121.7	96.4	78.1	62.0	47.2	31.3
42.5°	368.1	290.6	244.5	220.1	198.3	161.4	117.2	96.8	76.1	59.5	40.8
40°	443.4	358.4	291.2	259.9	232.0	199.8	150.7	116.7	89.9	72.1	51.5
37.5°	534.0	435.7	345.0	301.5	267.9	231.8	184.8	137.6	106.4	85.3	62.3
35°	621.7	535.7	405.2	351.9	307.9	264.7	217.6	162.2	126.8	98.8	73.1
32.5°	715.8	629.8	496.1	408.1	349.3	298.3	248.3	192.2	147.2	112.4	83.9
30°	789.9	691.8	575.9	464.4	394.3	335.7	278.9	220.9	167.7	126.1	94.7
27.5°	829.2	745.4	638.8	527.1	445.0	374.1	310.4	248.4	188.2	141.2	106.0
25°	869.8	783.2	683.8	581.9	495.0	414.8	341.8	274.6	210.6	158.2	117.2
22.5°	918.4	815.2	721.8	625.3	546.6	456.0	374.8	301.1	233.0	174.9	128.2
20°	967.2	845.0	759.2	684.5	597.2	500.6	409.2	327.0	254.1	191.1	139.0
17.5°	1018.5	899.2	822.8	742.2	647.7	543.8	443.1	352.0	273.9	206.8	149.5
15°	1107.6	980.2	886.8	798.3	697.9	585.4	476.2	376.1	292.3	221.9	159.2
12.5°	1188.6	1055.7	950.9	852.6	747.3	625.0	508.1	399.0	309.4	234.0	167.8
10°	1255.5	1125.6	1014.2	904.7	795.3	662.4	538.6	417.7	319.7	243.0	175.8
7.5°	1310.4	1190.3	1075.9	954.3	836.5	686.9	553.9	428.5	327.7	250.7	183.1
5°	1350.0	1233.4	1108.7	971.6	849.3	697.0	564.4	437.4	334.1	257.0	189.6
2.5°	1361.4	1246.7	1121.1	981.1	858.1	703.5	571.8	444.2	339.0	262.2	195.4
0°	1368.1	1255.4	1128.8	986.9	862.5	706.6	576.3	448.8	342.5	266.3	200.5
-2.5°	1377.4	1262.9	1136.2	1001.8	865.5	716.0	578.9	451.8	346.9	267.8	203.5
-5°	1382.0	1265.9	1139.8	1011.9	864.7	721.7	578.6	452.8	349.8	268.3	205.6
-7.5°	1380.0	1264.9	1139.9	1015.0	860.8	723.0	575.4	451.8	351.0	267.9	207.0
-10°	1373.7	1259.8	1135.6	1006.9	857.2	717.9	569.9	448.9	350.3	266.7	207.5
-12.5°	1364.3	1250.2	1126.7	995.2	849.7	707.3	563.3	444.0	347.4	264.9	207.1
-15°	1352.0	1236.2	1113.2	980.3	837.3	693.3	553.3	436.9	341.9	262.8	205.9
-17.5°	1336.3	1218.0	1095.0	962.6	819.9	676.0	540.0	427.6	335.0	260.2	203.4
-20°	1308.1	1193.6	1071.9	942.5	797.3	655.4	523.2	416.1	326.8	256.6	199.9



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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°	1276.5	1163.4	1043.0	915.4	770.2	631.7	502.9	402.5	317.4	251.9	195.6
-25°	1242.8	1129.3	1009.5	877.9	740.1	606.7	482.6	386.7	306.7	246.0	190.7
-27.5°	1203.3	1090.8	971.5	836.5	705.3	577.7	463.1	372.8	296.4	239.0	185.1
-30°	1158.7	1045.5	924.0	792.4	667.1	544.2	441.3	357.8	287.7	231.4	178.8
-32.5°	1107.7	995.5	871.4	747.3	626.7	508.6	417.2	341.9	277.6	223.3	173.0
-35°	1049.7	937.4	815.6	698.9	584.0	479.8	393.6	324.9	266.2	214.6	167.0
-37.5°	989.3	875.0	759.8	648.3	538.5	448.7	372.4	308.2	253.4	205.2	160.2
-40°	920.2	810.9	701.3	596.1	499.1	415.3	349.5	291.6	241.3	195.3	152.9
-42.5°	849.1	743.5	640.2	541.0	460.3	388.1	325.4	273.9	228.6	185.6	144.9
-45°	772.4	672.4	575.3	494.5	420.8	359.3	304.4	255.4	215.1	175.8	136.6
-47.5°	691.5	597.5	516.3	446.0	387.2	330.3	282.0	239.5	200.8	165.2	128.3
-50°	605.8	527.7	461.9	404.0	351.0	304.2	259.7	222.8	187.8	153.6	119.6
-52.5°	529.9	467.3	412.9	363.3	319.0	276.8	240.5	205.7	174.3	142.4	110.6
-55°	464.9	413.6	367.6	326.3	287.4	253.3	220.5	190.5	160.5	131.2	101.4
-57.5°	408.7	363.9	327.1	291.2	259.0	230.0	202.4	175.0	147.2	119.6	94.1
-60°	354.7	321.3	288.5	259.7	232.4	207.8	185.2	159.5	133.8	108.0	86.0
-62.5°	308.1	279.5	254.8	229.6	207.0	186.9	168.0	144.3	120.0	97.2	77.2
-65°	264.4	242.5	221.4	201.3	182.5	165.5	150.2	128.7	106.2	85.8	68.1
-67.5°	222.9	206.4	189.8	173.0	158.2	144.4	131.3	111.9	91.8	73.9	59.1
-70°	185.8	171.7	158.7	146.2	134.3	122.8	110.4	94.0	76.7	63.1	49.9
-72.5°	150.8	140.5	129.7	119.5	110.6	100.5	89.1	76.3	64.2	52.2	40.4
-75°	118.4	111.6	104.0	95.9	87.6	78.6	71.1	62.1	51.6	41.1	32.6
-77.5°	94.7	88.1	80.5	74.0	68.5	62.3	55.5	47.7	39.3	32.0	25.2
-80°	69.9	64.8	60.5	56.8	51.6	46.0	40.4	34.7	28.6	22.9	17.7
-82.5°	42.6	41.5	40.3	38.6	34.3	30.2	26.1	22.0	17.7	13.7	11.4
-85°	21.3	20.9	20.2	19.3	16.7	14.2	13.0	11.8	10.3	8.9	7.6
-87.5°	7.0	7.5	8.0	8.3	7.7	7.1	6.5	5.9	5.2	4.5	3.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	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°	0.2	0.2	0.2	0.1	0.1	0.1	0.0
85°	0.5	0.4	0.3	0.2	0.2	0.1	0.0
82.5°	0.7	0.6	0.5	0.4	0.2	0.2	0.0
80°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
77.5°	0.9	0.9	0.8	0.6	0.4	0.3	0.0
75°	0.9	0.9	0.9	0.7	0.5	0.3	0.0
72.5°	0.9	1.0	1.0	0.8	0.6	0.3	0.0
70°	1.0	1.0	1.0	0.9	0.6	0.4	0.0
67.5°	1.1	1.1	1.1	1.0	0.7	0.4	0.0
65°	1.2	1.2	1.1	1.0	0.8	0.5	0.0
62.5°	1.4	1.5	1.2	1.1	0.9	0.5	0.0
60°	1.7	1.8	1.2	1.1	1.0	0.6	0.0
57.5°	3.1	2.2	1.6	1.2	1.0	0.6	0.0
55°	4.9	2.6	1.9	1.2	1.1	0.7	0.0
52.5°	7.0	3.3	2.3	1.3	1.1	0.7	0.0
50°	9.5	5.6	2.7	1.3	1.2	0.8	0.0
47.5°	12.8	8.1	3.2	1.5	1.2	0.8	0.0
45°	19.3	10.8	3.6	1.8	1.3	0.9	0.0
42.5°	25.9	13.6	4.1	2.1	1.4	0.9	0.0
40°	32.7	16.6	5.5	2.6	1.4	0.9	0.0
37.5°	39.7	19.7	7.8	3.1	1.5	1.0	0.0
35°	46.7	24.5	10.2	3.7	1.5	1.0	0.0
32.5°	54.4	30.1	12.6	4.4	1.6	1.1	0.0
30°	63.1	35.6	15.1	5.1	1.7	1.1	0.0
27.5°	71.7	41.0	18.1	5.9	1.7	1.1	0.0
25°	80.0	46.4	21.1	6.7	1.8	1.2	0.0
22.5°	88.1	51.8	24.2	7.5	1.8	1.2	0.0
20°	96.0	57.7	27.3	8.3	1.9	1.2	0.0
17.5°	103.8	63.4	30.3	9.2	2.0	1.3	0.0
15°	111.2	68.9	33.2	10.1	2.0	1.3	0.0
12.5°	118.2	74.1	36.0	11.0	2.1	1.3	0.0
10°	124.7	79.0	38.7	11.8	2.1	1.3	0.0
7.5°	130.6	83.6	41.3	12.7	2.2	1.4	0.0
5°	136.0	87.8	43.7	13.5	2.2	1.4	0.0
2.5°	140.8	91.7	45.8	14.2	2.3	1.4	0.0
0°	145.1	95.1	47.8	14.9	2.3	1.4	0.0
-2.5°	147.2	97.3	49.6	15.9	2.7	1.5	0.0
-5°	148.8	99.0	51.1	16.8	3.0	1.6	0.0
-7.5°	149.8	100.2	52.4	17.6	3.3	1.6	0.0
-10°	150.2	101.0	53.4	18.2	3.7	1.7	0.0
-12.5°	150.1	101.3	54.0	18.8	4.0	1.7	0.0
-15°	149.5	101.2	54.3	19.3	4.3	1.8	0.0
-17.5°	148.4	100.5	54.2	19.6	4.5	1.9	0.0
-20°	146.7	99.5	53.8	19.8	4.8	1.9	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	144.3	97.9	53.1	19.9	5.0	1.9	0.0
-25°	141.3	95.6	52.0	19.8	5.2	2.0	0.0
-27.5°	137.7	92.6	50.4	19.5	5.4	2.0	0.0
-30°	133.5	89.3	48.5	19.1	5.5	2.0	0.0
-32.5°	128.8	85.6	46.3	18.6	5.6	2.0	0.0
-35°	123.7	81.4	43.9	17.9	5.7	2.0	0.0
-37.5°	118.3	77.3	41.2	17.0	5.7	2.0	0.0
-40°	112.4	73.5	38.2	15.9	5.7	2.0	0.0
-42.5°	106.0	69.5	36.0	14.8	5.7	1.9	0.0
-45°	99.3	65.2	34.5	13.6	5.6	1.9	0.0
-47.5°	92.3	60.7	32.7	12.3	5.5	1.8	0.0
-50°	86.3	56.0	30.6	11.9	5.4	1.8	0.0
-52.5°	80.4	51.0	28.3	11.6	5.2	1.7	0.0
-55°	74.2	47.2	25.7	11.3	5.0	1.6	0.0
-57.5°	67.8	43.3	22.9	10.8	4.8	1.6	0.0
-60°	61.3	39.2	19.9	10.2	4.5	1.5	0.0
-62.5°	55.4	34.6	18.5	9.5	4.2	1.4	0.0
-65°	49.1	29.8	16.9	8.6	3.9	1.3	0.0
-67.5°	42.3	25.8	15.1	7.7	3.6	1.2	0.0
-70°	35.2	22.6	13.1	6.7	3.3	1.1	0.0
-72.5°	29.8	19.1	11.0	5.9	2.9	0.9	0.0
-75°	24.4	15.4	8.8	5.1	2.5	0.8	0.0
-77.5°	18.7	11.6	7.3	4.3	2.1	0.7	0.0
-80°	12.8	8.8	5.9	3.5	1.7	0.6	0.0
-82.5°	9.4	6.7	4.4	2.6	1.3	0.4	0.0
-85°	6.3	4.5	3.0	1.8	0.9	0.3	0.0
-87.5°	3.2	2.2	1.5	0.9	0.4	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)