

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



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMARK

Report Number: P622915 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF65-XX-PC-25W-7030**

Issue Date: 10/4/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622915 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (2022-09-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/4/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LSF65-XX-PC-25W-7030  
Description: Flood light with selectable wattage and CCT  
Light Source: (1) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

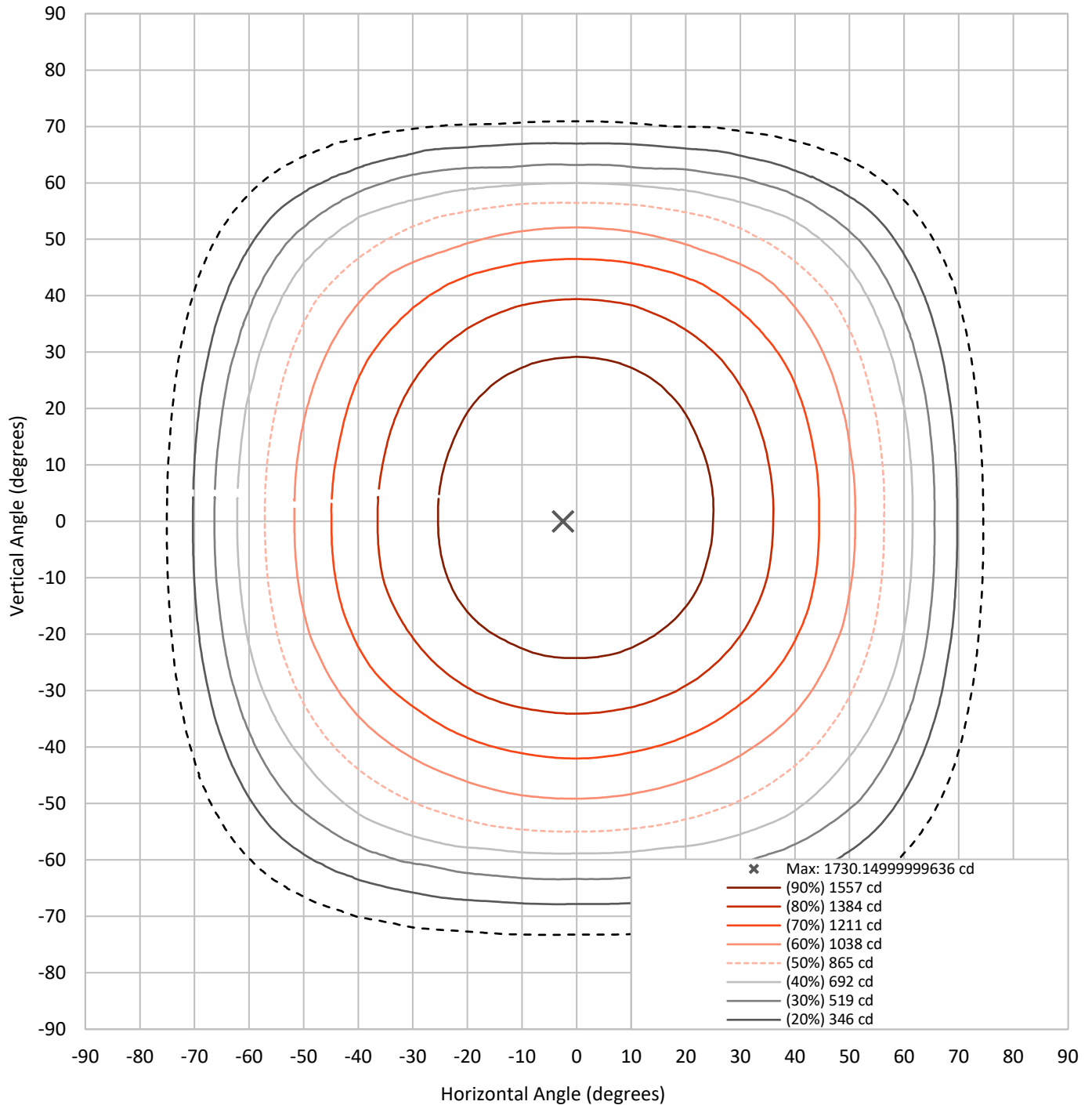
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4685.2 lumens	Max Intensity:	1730.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	172.3 lumens/watt		
Luminous Opening:	Rectangular (W 0.12m x L: 0.2m x H: 0m)		
Beam Angle (50%):	113.4°H x 111.6°V	Field Angle (10%):	149.5°H x 144.2°V
Beam Lumens:	3758.8 lumens	Field Lumens:	4615.9 lumens
Beam Efficiency:	80.2%	Field Efficiency:	98.5%
Input Watts (W):	27.2		
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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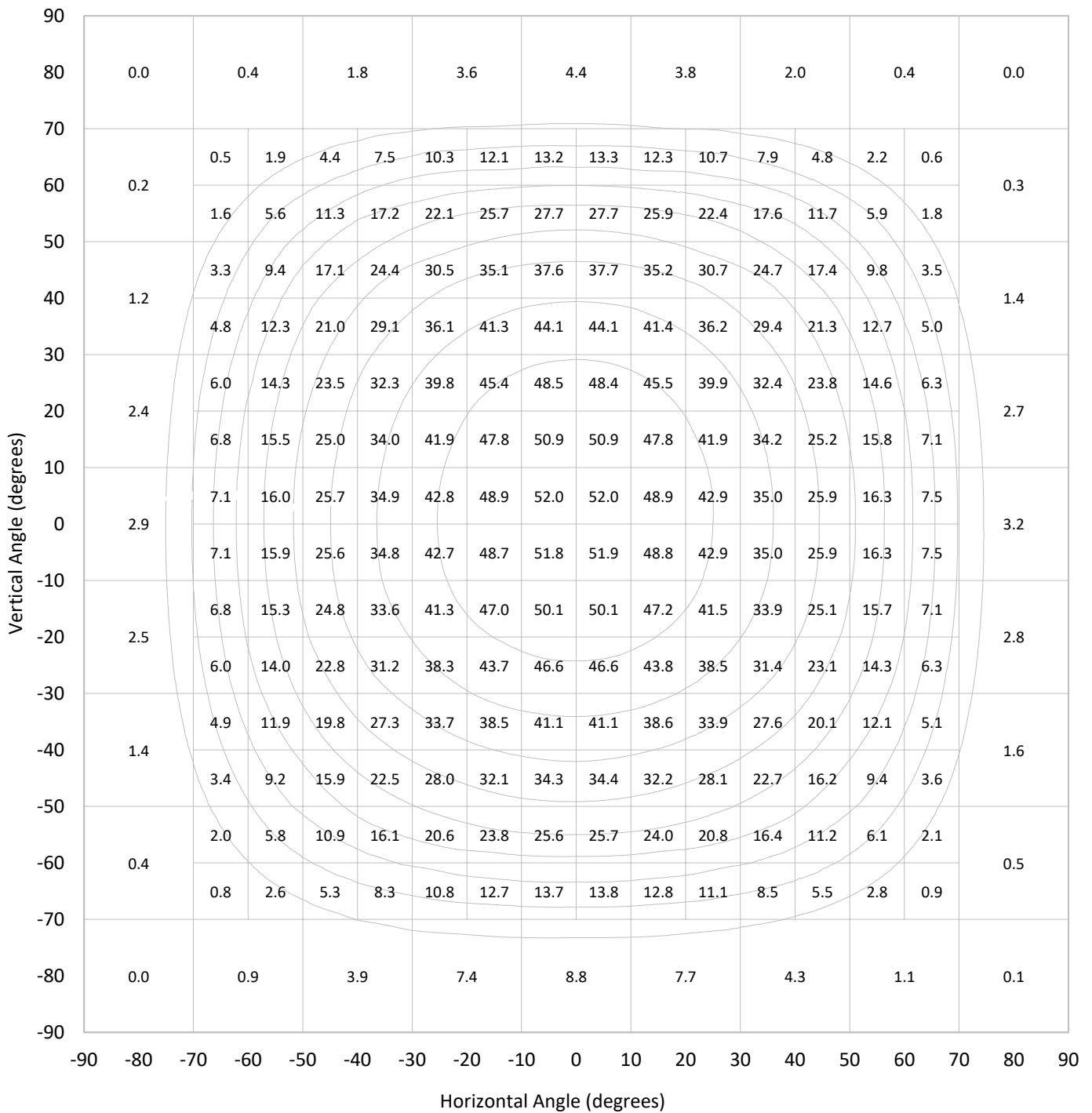
### Iso-Candela Plot





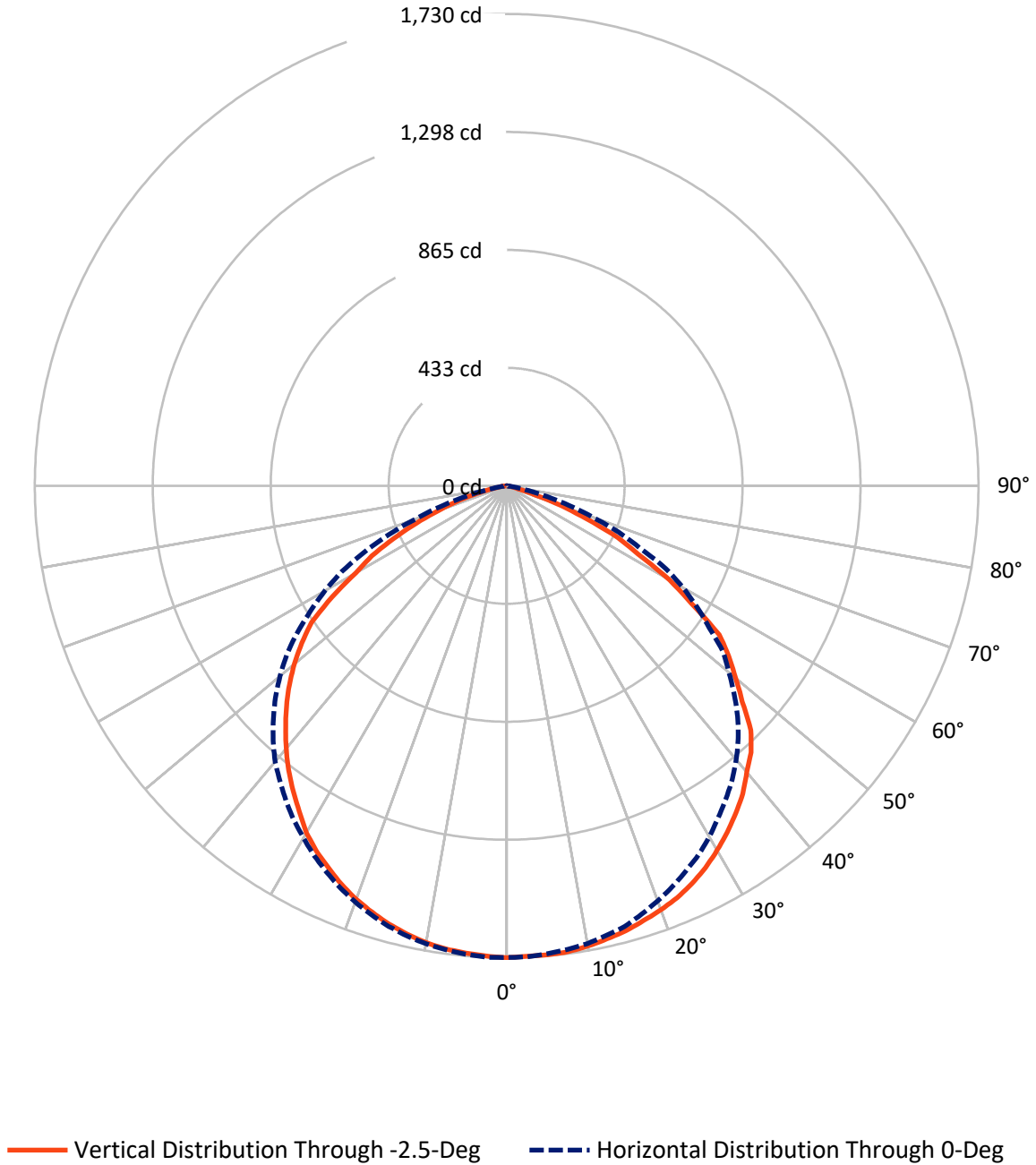
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### Lumen Table



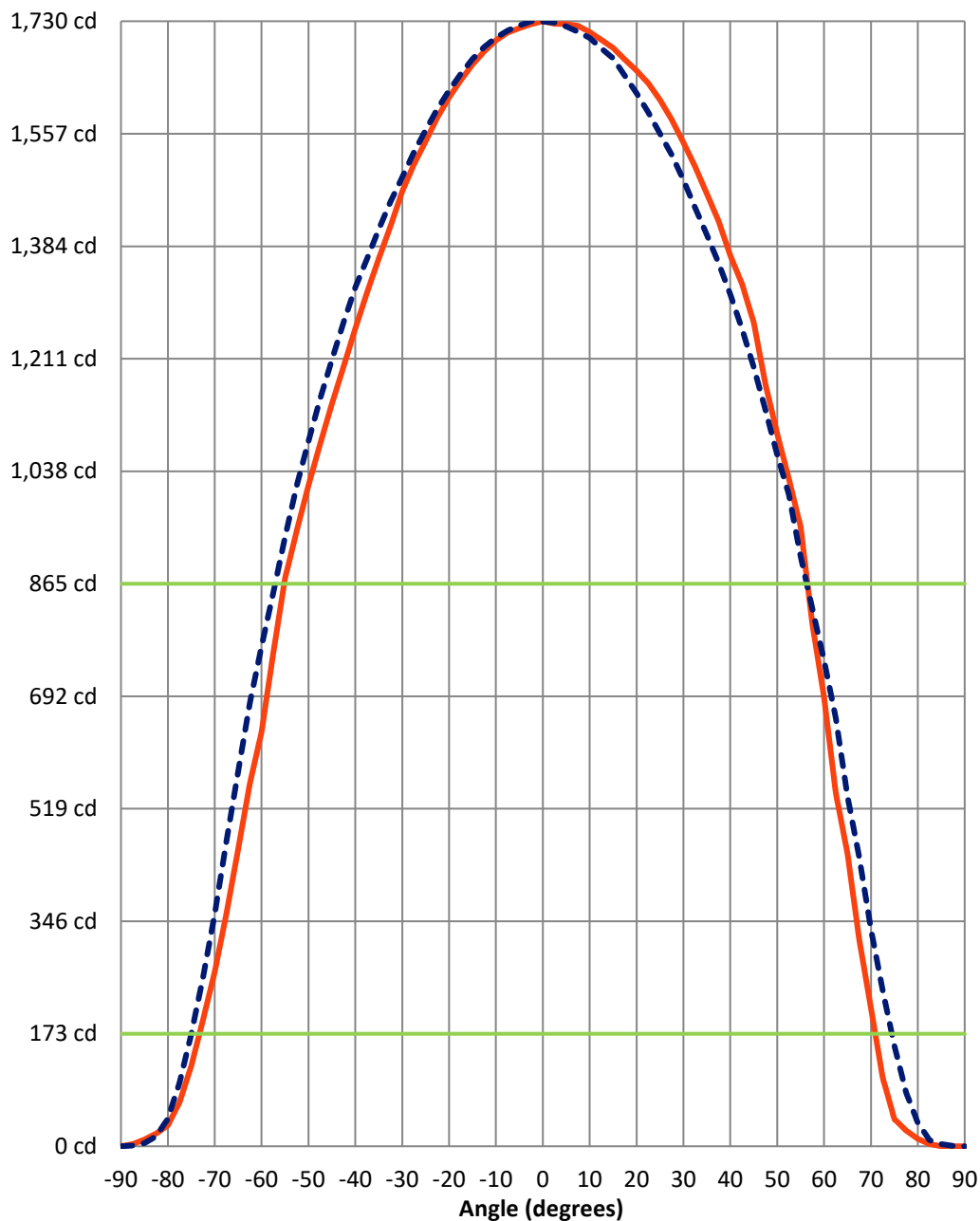
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 113.4°  
 V Angle: 111.6°  
 Lumens: 3758.8  
 Efficiency: 80.2%

**Field:**  
 H Angle: 149.5°  
 V Angle: 144.2°  
 Lumens: 4615.9  
 Efficiency: 98.5%

**Spill:**  
 Lumens: 69.4  
 Efficiency: 1.5%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through 0-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	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
85°	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.1	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5
80°	0.0	0.2	0.3	0.4	0.5	0.5	0.5	0.6	1.0	1.2	1.6
77.5°	0.0	0.2	0.4	0.5	0.6	0.7	1.0	1.6	2.1	2.8	3.6
75°	0.0	0.3	0.5	0.6	0.7	1.1	2.0	2.8	3.6	4.6	5.8
72.5°	0.0	0.3	0.5	0.7	0.9	1.9	3.0	4.0	5.1	6.9	8.9
70°	0.0	0.4	0.6	0.8	1.5	2.7	4.0	5.3	7.6	10.2	14.5
67.5°	0.0	0.4	0.7	1.0	2.1	3.6	5.2	7.5	10.6	16.6	25.1
65°	0.0	0.5	0.7	1.3	2.8	4.6	6.8	10.2	16.4	27.1	38.6
62.5°	0.0	0.5	0.8	1.7	3.5	5.8	9.0	13.0	26.1	39.3	54.2
60°	0.0	0.5	0.9	2.1	4.2	7.2	11.4	22.1	36.8	51.7	76.6
57.5°	0.0	0.6	1.0	2.5	5.2	9.1	13.8	31.2	47.5	70.9	104.2
55°	0.0	0.6	1.1	3.1	6.2	10.9	21.1	40.0	61.0	94.9	131.3
52.5°	0.0	0.6	1.2	3.6	7.4	12.8	28.2	48.9	78.1	119.4	164.5
50°	0.0	0.6	1.5	4.1	8.7	14.7	35.4	59.0	99.7	144.5	194.7
47.5°	0.0	0.7	1.7	4.6	10.1	20.0	42.4	72.9	121.0	171.0	226.1
45°	0.0	0.7	1.9	5.4	11.4	25.1	49.8	88.1	140.7	196.3	261.4
42.5°	0.0	0.7	2.2	6.2	12.8	30.1	57.0	104.4	160.7	222.1	296.6
40°	0.0	0.7	2.4	6.9	14.1	35.2	67.4	119.9	180.1	248.2	320.8
37.5°	0.0	0.8	2.6	7.7	15.3	40.1	77.3	134.5	199.2	276.6	350.8
35°	0.0	0.8	2.8	8.5	17.9	45.2	88.2	149.0	217.8	299.5	380.5
32.5°	0.0	0.8	3.0	9.3	20.9	50.4	99.1	163.2	235.5	317.1	408.3
30°	0.0	0.9	3.3	10.0	23.7	55.4	109.3	176.6	253.8	337.9	434.3
27.5°	0.0	0.9	3.5	10.7	26.2	60.5	118.7	189.6	272.9	358.7	458.3
25°	0.0	0.9	3.7	11.4	28.7	66.4	127.3	201.6	289.6	378.2	475.5
22.5°	0.0	1.0	3.9	12.0	31.2	71.7	135.1	212.4	301.3	396.2	491.4
20°	0.0	1.0	4.1	12.6	33.5	76.5	142.3	221.7	312.1	412.4	509.2
17.5°	0.0	1.0	4.2	13.1	35.5	80.8	149.4	229.8	322.1	426.8	524.3
15°	0.0	1.0	4.4	13.6	37.3	84.9	155.5	236.6	332.2	439.4	537.7
12.5°	0.0	1.0	4.5	14.0	38.9	88.8	160.8	243.0	340.6	450.0	550.8
10°	0.0	1.1	4.6	14.4	40.1	92.0	165.0	249.3	347.2	457.4	561.1
7.5°	0.0	1.1	4.7	14.7	41.1	94.5	168.4	254.1	352.1	462.8	568.9
5°	0.0	1.1	4.7	14.9	41.9	96.3	170.8	257.4	355.3	466.5	574.0
2.5°	0.0	1.1	4.8	15.1	42.3	97.5	172.2	259.2	357.0	468.6	576.4
0°	0.0	1.1	4.8	15.2	42.5	97.9	172.6	259.4	357.0	469.0	576.2
-2.5°	0.0	1.1	4.9	15.3	42.8	98.3	172.6	259.6	357.3	468.6	576.3
-5°	0.0	1.1	4.9	15.4	42.9	98.0	171.6	258.2	356.0	466.5	573.9
-7.5°	0.0	1.1	4.9	15.4	42.6	97.0	169.8	255.5	353.0	462.6	568.8
-10°	0.0	1.1	4.9	15.4	42.1	95.4	167.0	251.3	348.5	457.0	561.2
-12.5°	0.0	1.1	4.9	15.2	41.3	93.2	163.3	245.8	342.4	449.3	551.0
-15°	0.0	1.1	4.8	15.0	40.2	90.3	158.9	240.0	334.5	438.8	538.2
-17.5°	0.0	1.1	4.8	14.7	38.8	87.0	153.6	233.9	325.0	426.6	525.1
-20°	0.0	1.1	4.7	14.3	37.1	83.5	147.5	226.5	315.0	412.6	510.4



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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	1.1	4.5	13.9	35.2	79.3	141.4	217.9	304.0	397.3	493.1
-25°	0.0	1.0	4.4	13.4	32.9	74.6	134.8	207.5	291.8	380.7	475.7
-27.5°	0.0	1.0	4.2	12.9	30.8	69.3	127.6	195.6	276.8	362.6	456.7
-30°	0.0	1.0	4.0	12.3	28.6	64.4	119.7	182.5	260.3	342.8	433.7
-32.5°	0.0	1.0	3.7	11.7	26.1	59.4	111.1	170.4	243.9	322.4	409.4
-35°	0.0	0.9	3.4	11.0	23.3	54.1	101.9	158.4	227.2	303.6	384.4
-37.5°	0.0	0.9	3.2	10.3	20.9	48.8	92.4	146.2	208.9	282.4	356.7
-40°	0.0	0.9	3.0	9.5	19.4	44.0	82.7	134.1	189.0	258.9	328.2
-42.5°	0.0	0.9	2.8	8.7	17.8	38.8	72.3	121.2	171.6	234.3	303.0
-45°	0.0	0.8	2.6	7.8	16.1	33.8	64.1	107.7	155.4	208.7	272.2
-47.5°	0.0	0.8	2.4	6.9	14.7	28.9	55.5	93.9	139.4	182.7	240.3
-50°	0.0	0.8	2.2	6.2	13.4	23.7	48.0	79.5	122.0	162.7	209.7
-52.5°	0.0	0.8	2.0	5.4	12.0	20.9	40.3	67.7	104.0	142.4	180.4
-55°	0.0	0.7	1.8	4.7	10.6	17.9	33.1	56.6	85.5	121.5	157.1
-57.5°	0.0	0.7	1.7	3.9	9.1	15.6	25.7	46.7	69.4	100.1	133.3
-60°	0.0	0.7	1.5	3.4	7.6	13.7	21.5	36.9	55.7	78.2	108.9
-62.5°	0.0	0.6	1.4	3.0	6.4	11.7	17.5	27.3	43.7	61.4	84.0
-65°	0.0	0.6	1.2	2.5	5.0	9.7	15.0	21.5	32.6	47.3	63.5
-67.5°	0.0	0.5	1.1	2.1	4.0	7.7	12.4	17.1	24.0	34.7	47.5
-70°	0.0	0.5	1.0	1.8	3.3	5.7	9.9	13.9	18.0	24.7	33.8
-72.5°	0.0	0.4	0.9	1.5	2.6	4.3	7.2	10.8	14.0	17.9	23.3
-75°	0.0	0.4	0.8	1.2	2.1	3.3	4.9	7.7	10.6	13.3	16.3
-77.5°	0.0	0.3	0.7	1.1	1.6	2.5	3.7	5.1	7.2	9.6	11.9
-80°	0.0	0.2	0.5	0.9	1.3	1.8	2.6	3.5	4.7	6.1	7.9
-82.5°	0.0	0.2	0.4	0.7	1.0	1.3	1.7	2.3	3.0	3.7	4.7
-85°	0.0	0.1	0.3	0.5	0.7	0.9	1.2	1.5	1.8	2.1	2.6
-87.5°	0.0	0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.9	1.1	1.2
-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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 CATALOG NUMBER: LSF65-XX-PC-25W-7030

**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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
82.5°	0.6	0.5	0.6	1.0	1.2	1.3	1.3	1.5	1.9	2.2	2.5
80°	2.1	2.7	3.2	3.6	4.0	4.4	4.7	5.1	6.0	6.7	7.2
77.5°	4.4	5.2	5.9	6.7	8.0	9.2	10.7	12.1	13.4	14.7	15.9
75°	7.0	8.6	10.3	12.8	15.2	18.9	21.5	26.3	30.8	34.0	35.6
72.5°	11.2	14.7	19.4	25.6	31.9	38.7	45.8	51.7	55.6	60.4	63.7
70°	20.1	28.3	36.3	45.7	56.0	67.0	77.7	89.8	100.8	112.4	129.0
67.5°	34.9	44.6	58.5	75.2	90.6	108.1	126.8	149.9	167.5	179.7	206.2
65°	51.6	69.8	91.7	110.6	139.5	165.7	187.9	216.2	251.3	270.4	287.8
62.5°	76.4	101.8	130.4	164.3	193.3	225.4	268.6	296.9	316.7	348.2	381.4
60°	106.2	139.5	178.2	213.6	260.7	302.3	334.0	370.1	409.6	449.4	488.0
57.5°	139.3	181.5	223.2	282.7	327.5	367.4	411.8	456.4	502.0	554.6	603.5
55°	177.0	222.1	285.2	342.7	391.5	440.6	488.8	539.5	608.3	663.2	690.7
52.5°	212.2	274.1	335.3	399.5	457.2	508.3	567.3	638.2	689.4	728.6	761.7
50°	252.4	319.0	386.4	454.7	516.4	579.8	654.3	705.9	747.9	787.1	823.5
47.5°	296.8	362.9	435.8	503.7	575.6	657.3	712.6	758.1	800.1	843.6	884.6
45°	329.3	406.7	481.1	551.4	643.2	710.7	759.9	804.8	857.2	903.9	954.2
42.5°	367.6	448.6	521.3	613.8	690.6	753.0	801.7	861.8	913.0	964.3	1016.0
40°	404.2	483.9	567.8	659.5	730.4	788.4	855.6	913.0	963.3	1015.9	1061.5
37.5°	438.9	517.5	616.0	694.4	763.8	829.0	901.5	954.9	1007.2	1056.7	1100.5
35°	469.1	555.7	650.3	731.1	794.7	869.4	934.4	990.2	1044.9	1093.1	1141.3
32.5°	491.9	596.2	678.5	758.0	828.9	899.7	965.2	1024.7	1077.7	1131.9	1175.7
30°	521.1	622.5	710.5	784.4	857.6	929.9	996.1	1053.9	1111.9	1163.3	1208.9
27.5°	550.0	644.9	735.6	809.3	880.5	958.4	1023.3	1081.8	1140.3	1190.0	1238.6
25°	578.4	667.4	755.9	829.9	905.1	983.7	1046.9	1106.8	1161.3	1214.6	1263.8
22.5°	600.8	692.5	776.2	845.7	930.7	1005.1	1068.5	1126.9	1182.2	1236.0	1282.9
20°	618.2	714.9	793.1	863.6	953.9	1023.5	1086.2	1144.1	1199.8	1253.3	1302.0
17.5°	633.8	728.9	807.4	881.0	971.0	1039.5	1099.1	1159.2	1215.8	1269.0	1318.9
15°	646.5	741.2	819.5	898.6	985.8	1053.0	1112.1	1171.6	1228.3	1283.1	1333.1
12.5°	657.1	751.4	829.9	912.4	997.0	1063.5	1124.2	1183.8	1239.8	1295.2	1342.8
10°	666.0	759.2	838.6	923.2	1005.7	1071.4	1134.6	1194.2	1251.2	1306.2	1351.8
7.5°	673.8	764.8	845.1	931.0	1011.9	1077.6	1142.3	1202.2	1259.5	1313.7	1358.9
5°	678.9	768.3	849.3	935.8	1015.5	1082.1	1147.2	1207.3	1264.8	1318.6	1363.4
2.5°	681.6	769.6	851.5	937.7	1016.8	1084.4	1149.7	1209.7	1267.4	1321.0	1365.4
0°	681.7	769.0	851.5	936.6	1015.9	1084.2	1149.7	1209.5	1267.3	1320.8	1364.9
-2.5°	681.1	768.5	850.9	935.9	1015.4	1083.8	1149.2	1209.2	1267.1	1320.6	1365.2
-5°	678.1	766.1	848.2	932.3	1012.8	1080.9	1146.1	1206.3	1264.2	1317.8	1363.2
-7.5°	672.8	761.6	843.4	926.0	1008.0	1075.7	1140.6	1200.8	1258.7	1312.3	1358.9
-10°	665.2	755.0	836.3	917.0	1000.7	1068.5	1132.3	1192.4	1250.4	1304.3	1352.3
-12.5°	656.4	746.4	826.4	905.4	990.6	1058.9	1121.4	1181.6	1239.4	1293.3	1341.4
-15°	645.7	735.6	814.4	892.2	978.0	1044.7	1108.8	1168.7	1224.3	1276.3	1322.9
-17.5°	633.2	722.4	800.4	876.3	959.7	1028.0	1093.9	1151.3	1204.8	1255.3	1302.1
-20°	617.6	707.5	784.2	859.1	939.0	1010.0	1073.8	1129.8	1182.8	1233.3	1279.0



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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°	600.2	687.5	765.9	840.3	914.3	986.1	1047.1	1104.7	1159.9	1209.1	1251.9
-25°	578.3	665.6	745.4	816.9	887.5	958.5	1016.3	1078.2	1132.6	1181.2	1225.5
-27.5°	550.9	643.6	720.6	789.7	859.6	928.1	987.9	1045.1	1100.2	1152.0	1194.6
-30°	522.9	618.0	692.8	759.3	829.9	896.7	956.2	1007.3	1065.4	1115.5	1157.8
-32.5°	493.6	589.9	661.0	728.1	795.1	862.3	922.1	972.5	1022.3	1075.2	1117.6
-35°	467.2	551.9	630.2	696.3	755.7	824.7	886.5	936.5	981.5	1029.3	1073.9
-37.5°	436.8	515.7	597.4	659.8	718.3	779.8	845.6	899.5	942.3	983.9	1026.6
-40°	404.7	481.0	556.7	624.1	680.6	733.3	796.6	854.6	901.1	940.6	978.4
-42.5°	372.6	444.3	516.2	585.9	640.6	690.9	743.7	804.2	853.2	895.3	931.5
-45°	338.2	405.6	475.4	539.8	599.7	649.1	698.9	748.9	801.5	843.4	881.7
-47.5°	306.4	368.7	430.4	497.2	553.3	605.2	653.1	699.8	745.5	790.7	826.2
-50°	266.6	330.1	388.5	446.9	507.4	552.3	602.4	648.9	692.4	733.9	772.8
-52.5°	228.9	288.6	346.4	398.5	449.1	495.0	539.9	590.8	634.2	676.0	710.7
-55°	194.7	240.4	301.6	353.8	394.3	435.1	473.3	513.6	570.2	607.1	639.4
-57.5°	165.9	201.4	243.4	301.6	344.3	379.4	412.6	444.7	475.1	520.9	562.9
-60°	139.3	168.8	200.4	236.6	282.0	323.9	356.7	384.2	410.5	433.2	464.0
-62.5°	111.9	139.3	165.8	191.9	220.6	252.9	290.1	327.4	350.6	370.5	390.7
-65°	84.1	109.0	133.5	154.0	177.1	200.0	222.6	247.5	275.0	307.7	324.9
-67.5°	61.2	78.3	99.9	118.8	136.0	153.6	177.0	194.2	209.8	223.5	246.5
-70°	44.5	55.4	68.8	83.7	99.5	113.9	126.7	138.0	159.3	176.3	185.5
-72.5°	30.2	39.2	47.3	54.7	65.3	76.4	88.3	98.9	108.4	118.1	128.3
-75°	20.2	25.7	30.9	36.7	42.1	47.7	53.2	61.2	68.2	74.8	80.4
-77.5°	13.9	16.4	19.4	22.3	25.7	28.7	32.6	36.2	39.3	42.3	45.1
-80°	9.8	11.5	12.8	14.1	15.4	17.2	18.7	20.1	22.1	23.7	25.0
-82.5°	5.9	7.2	8.2	9.2	10.2	11.1	12.0	12.8	13.5	14.1	14.7
-85°	3.1	3.7	4.1	4.5	5.0	5.6	6.2	6.8	7.3	7.7	8.1
-87.5°	1.4	1.6	1.8	2.0	2.2	2.3	2.5	2.7	2.7	2.8	2.8
-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
85°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
82.5°	2.8	3.0	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.4	3.5
80°	7.8	8.4	8.9	9.4	9.9	10.3	10.6	10.9	11.0	11.3	11.4
77.5°	17.8	19.2	19.5	20.2	21.0	21.8	22.3	22.8	23.2	23.6	24.0
75°	36.1	35.5	33.8	34.3	36.9	40.2	44.5	49.2	52.4	52.3	50.7
72.5°	66.9	71.6	77.1	87.7	96.3	99.7	98.7	95.5	90.4	92.6	99.0
70°	140.2	146.9	156.9	167.8	177.2	182.1	185.5	187.6	190.6	195.6	201.8
67.5°	224.1	235.2	249.6	267.2	272.7	273.1	276.9	291.6	301.8	311.1	316.7
65°	307.4	320.7	349.7	385.1	398.2	409.0	417.4	423.4	426.9	432.0	439.7
62.5°	418.1	446.6	472.0	493.7	509.5	520.3	524.4	523.7	520.7	520.7	529.6
60°	524.6	559.3	582.4	595.1	599.7	612.6	636.9	655.9	666.0	669.8	677.4
57.5°	635.6	650.6	659.7	683.1	720.2	748.9	759.1	759.5	765.8	780.5	795.3
55°	707.7	739.5	780.2	814.8	840.4	853.0	871.1	892.4	909.7	925.8	934.5
52.5°	795.5	829.3	859.4	886.6	909.4	930.8	950.2	968.4	985.3	999.3	1009.8
50°	859.2	895.5	929.3	956.4	974.5	994.5	1017.1	1037.0	1053.9	1066.4	1076.8
47.5°	929.5	971.7	999.7	1021.5	1041.1	1064.8	1093.1	1115.3	1129.3	1138.7	1149.2
45°	1006.2	1035.9	1060.3	1085.6	1119.3	1154.3	1175.6	1191.8	1209.0	1227.3	1243.8
42.5°	1059.4	1089.1	1118.3	1154.6	1188.0	1213.6	1235.0	1256.0	1274.8	1291.3	1305.6
40°	1100.7	1136.4	1173.6	1206.8	1233.8	1258.9	1279.4	1303.9	1324.3	1338.8	1350.2
37.5°	1142.8	1182.6	1217.5	1246.3	1273.1	1302.5	1331.1	1350.9	1369.8	1386.2	1400.6
35°	1182.8	1220.9	1252.2	1284.6	1317.7	1345.0	1372.4	1393.4	1412.6	1429.6	1441.6
32.5°	1218.4	1254.4	1289.0	1322.2	1355.5	1383.8	1409.8	1432.0	1451.1	1467.6	1481.9
30°	1250.0	1287.0	1322.3	1358.2	1390.2	1421.6	1445.2	1469.7	1490.9	1506.8	1520.1
27.5°	1278.8	1316.6	1354.9	1389.3	1424.8	1451.1	1480.1	1503.4	1524.6	1539.6	1555.2
25°	1304.5	1344.9	1381.2	1416.5	1449.2	1482.4	1507.9	1531.5	1554.0	1571.5	1584.8
22.5°	1327.2	1367.9	1402.2	1437.8	1473.2	1504.8	1532.9	1556.2	1577.6	1596.1	1610.1
20°	1347.2	1384.6	1420.9	1457.4	1492.3	1523.6	1552.2	1577.1	1599.3	1616.2	1631.0
17.5°	1362.4	1399.9	1437.1	1474.1	1507.4	1540.0	1569.7	1595.7	1618.2	1634.6	1647.8
15°	1374.9	1413.6	1450.8	1488.6	1521.1	1555.7	1585.5	1611.6	1633.0	1650.5	1662.7
12.5°	1385.4	1424.0	1463.8	1499.5	1536.4	1568.5	1597.6	1624.6	1646.2	1662.4	1678.3
10°	1394.0	1431.9	1473.2	1512.0	1546.5	1578.7	1608.4	1633.8	1653.4	1674.5	1687.2
7.5°	1401.5	1440.2	1480.6	1520.7	1556.0	1585.8	1615.6	1642.2	1663.2	1682.0	1696.0
5°	1406.7	1447.0	1486.5	1526.1	1560.3	1592.0	1619.7	1647.2	1666.6	1684.4	1698.8
2.5°	1409.6	1451.4	1489.7	1528.6	1562.7	1595.5	1624.0	1649.1	1670.1	1687.0	1702.3
0°	1410.2	1452.5	1490.2	1528.6	1562.7	1595.3	1623.6	1649.2	1672.1	1690.5	1705.0
-2.5°	1409.3	1451.2	1489.8	1527.1	1562.0	1594.3	1622.2	1647.8	1669.3	1686.6	1702.9
-5°	1405.9	1447.2	1486.3	1522.3	1558.4	1589.6	1617.3	1643.0	1663.4	1680.9	1696.6
-7.5°	1400.1	1440.3	1479.4	1515.6	1551.8	1581.4	1611.0	1636.7	1656.9	1673.3	1688.0
-10°	1392.1	1430.1	1469.0	1506.3	1540.3	1570.8	1601.8	1627.0	1645.8	1661.6	1676.5
-12.5°	1379.7	1415.8	1454.6	1492.2	1525.2	1558.2	1587.1	1611.1	1630.9	1645.1	1659.2
-15°	1363.6	1398.7	1436.1	1474.3	1509.0	1539.7	1566.1	1591.5	1612.2	1626.9	1639.3
-17.5°	1344.6	1379.3	1414.1	1452.1	1486.0	1516.1	1543.9	1567.8	1587.2	1602.6	1614.0
-20°	1321.2	1357.7	1390.2	1425.1	1459.5	1490.1	1516.5	1539.9	1559.9	1574.3	1587.7



REPORT NUMBER: P622915 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	1294.1	1332.9	1365.3	1396.9	1428.5	1459.4	1486.3	1508.4	1527.1	1544.1	1558.2
-25°	1264.3	1301.8	1337.2	1368.0	1397.2	1424.7	1451.4	1473.8	1491.2	1509.5	1524.6
-27.5°	1229.4	1265.9	1302.3	1335.3	1364.1	1390.5	1415.9	1437.7	1454.1	1472.5	1486.4
-30°	1193.8	1226.3	1261.0	1295.3	1325.7	1351.1	1375.2	1398.8	1417.5	1431.6	1445.0
-32.5°	1153.5	1185.5	1216.3	1248.4	1280.5	1307.3	1329.6	1350.1	1369.5	1384.8	1395.5
-35°	1110.6	1142.1	1170.1	1201.5	1230.7	1258.9	1280.8	1300.2	1318.1	1332.5	1343.5
-37.5°	1064.8	1095.9	1125.8	1154.0	1181.4	1207.8	1229.6	1249.8	1266.1	1281.8	1293.0
-40°	1015.4	1048.9	1078.2	1106.5	1131.8	1153.4	1176.2	1196.4	1212.0	1225.2	1235.8
-42.5°	965.3	997.7	1027.8	1054.6	1079.2	1101.6	1122.1	1139.2	1155.3	1169.0	1179.1
-45°	914.9	945.4	973.9	999.8	1022.2	1044.1	1065.7	1083.9	1099.0	1110.7	1120.5
-47.5°	859.6	891.4	918.6	943.1	965.6	985.8	1006.2	1024.5	1041.3	1054.1	1063.5
-50°	802.6	830.2	858.9	884.4	905.8	925.7	945.1	962.9	978.5	992.4	1002.4
-52.5°	743.5	772.4	795.2	817.5	839.7	861.4	880.1	896.1	910.4	922.3	931.9
-55°	661.2	692.8	728.3	754.6	772.1	785.5	804.8	824.5	838.0	848.8	858.0
-57.5°	582.2	600.4	616.9	643.1	676.1	697.6	705.9	710.0	719.5	734.8	748.5
-60°	497.1	525.6	537.5	545.9	558.9	578.0	593.5	608.7	615.9	618.5	626.3
-62.5°	413.6	438.8	459.9	474.5	488.4	503.7	515.3	525.4	533.9	541.2	548.0
-65°	338.5	350.8	368.4	388.4	404.4	414.7	418.8	422.7	428.8	441.6	452.0
-67.5°	268.9	284.6	294.1	302.3	313.7	323.4	331.8	338.6	341.5	344.8	349.9
-70°	193.8	201.4	213.8	231.8	243.4	246.1	247.7	249.0	256.0	264.1	269.6
-72.5°	140.9	153.0	161.6	164.8	166.9	170.1	175.6	181.9	188.6	192.2	193.1
-75°	86.6	93.6	100.7	106.9	111.6	115.0	117.2	118.2	118.2	120.0	121.9
-77.5°	48.4	51.2	53.1	54.6	56.7	58.2	59.2	59.8	60.5	63.0	65.2
-80°	26.4	27.3	27.7	28.5	29.5	30.8	31.4	31.6	31.4	31.7	32.0
-82.5°	15.4	16.2	16.8	17.4	17.8	18.2	18.5	18.8	19.0	19.3	19.4
-85°	8.5	8.9	9.2	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.3
-87.5°	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.3	3.3	3.3	3.3
-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: P622915 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF65-XX-PC-25W-7030

**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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1	2.9	2.9
80°	11.5	11.5	11.4	11.3	11.3	11.3	11.2	11.0	10.8	10.4	10.2
77.5°	24.2	24.3	24.2	24.0	24.1	24.0	23.8	23.4	22.9	22.4	21.9
75°	48.4	45.4	42.0	38.2	40.8	43.0	44.9	46.3	47.1	47.2	46.6
72.5°	103.2	105.5	105.9	104.9	105.6	104.7	102.1	97.6	91.0	87.0	88.9
70°	206.9	210.6	212.5	212.3	211.9	209.2	204.2	197.2	188.1	179.3	172.1
67.5°	319.2	319.7	318.0	314.0	317.5	318.8	317.9	315.0	308.7	296.8	284.4
65°	445.4	448.8	449.7	448.1	448.9	447.1	442.9	436.6	428.3	420.7	413.3
62.5°	541.5	545.6	543.5	537.2	541.8	542.0	535.9	521.6	511.6	512.0	515.6
60°	683.4	687.6	689.9	690.2	689.1	686.0	681.0	674.2	665.6	658.8	647.2
57.5°	802.2	805.1	803.5	796.6	801.4	800.7	794.9	785.0	770.2	758.0	751.7
55°	942.0	948.1	952.1	953.5	952.0	947.6	941.0	932.5	922.3	903.9	884.7
52.5°	1017.6	1022.9	1026.0	1026.7	1025.0	1021.1	1015.0	1006.3	994.7	980.4	964.1
50°	1085.5	1091.9	1095.7	1097.1	1095.5	1091.5	1084.8	1075.7	1064.2	1049.4	1031.6
47.5°	1160.3	1168.3	1171.9	1171.7	1171.2	1167.0	1158.3	1146.3	1134.8	1124.7	1109.2
45°	1253.8	1261.6	1266.5	1267.8	1266.0	1260.6	1252.6	1242.6	1225.0	1206.4	1188.3
42.5°	1315.1	1321.6	1326.0	1328.3	1325.5	1320.5	1313.4	1303.8	1289.4	1271.2	1250.7
40°	1359.5	1366.0	1369.9	1371.3	1369.7	1365.5	1358.5	1348.5	1336.4	1320.1	1299.5
37.5°	1410.9	1418.2	1422.7	1424.6	1422.9	1419.0	1412.5	1401.7	1385.4	1365.7	1349.4
35°	1451.2	1459.0	1464.7	1468.2	1465.3	1460.0	1452.7	1442.6	1428.7	1411.5	1391.1
32.5°	1492.9	1501.0	1506.3	1509.1	1506.2	1500.7	1492.7	1481.8	1466.7	1450.4	1431.6
30°	1531.5	1538.7	1543.4	1545.5	1544.2	1539.6	1531.2	1519.1	1504.7	1489.0	1466.2
27.5°	1567.1	1574.9	1578.7	1580.1	1578.6	1574.7	1566.5	1554.8	1541.2	1524.0	1500.0
25°	1595.1	1603.9	1609.1	1611.3	1609.3	1605.0	1597.5	1584.6	1569.0	1552.8	1530.8
22.5°	1621.5	1629.8	1634.8	1637.3	1635.6	1631.5	1621.7	1610.3	1595.7	1576.7	1554.0
20°	1642.8	1651.8	1654.2	1654.8	1653.8	1651.5	1643.5	1630.9	1615.0	1596.0	1575.0
17.5°	1657.6	1667.2	1671.2	1672.8	1671.5	1668.1	1660.8	1648.6	1633.6	1612.8	1590.3
15°	1673.6	1682.8	1689.1	1690.0	1688.3	1684.0	1677.0	1663.6	1648.7	1631.0	1606.5
12.5°	1688.6	1696.3	1701.5	1703.0	1701.7	1697.0	1690.8	1678.9	1659.7	1642.7	1620.6
10°	1699.4	1708.1	1713.4	1713.5	1711.5	1708.6	1701.2	1689.5	1673.7	1651.9	1631.6
7.5°	1708.9	1718.0	1723.0	1723.2	1719.8	1716.6	1708.5	1697.5	1681.8	1662.3	1638.5
5°	1710.9	1720.5	1725.8	1725.5	1725.2	1722.5	1712.0	1701.9	1686.6	1666.7	1643.5
2.5°	1713.0	1720.3	1726.3	1729.9	1728.7	1722.7	1714.5	1703.2	1688.6	1671.1	1646.4
0°	1715.8	1723.6	1730.1	1729.6	1728.1	1722.1	1714.0	1704.4	1688.3	1673.0	1646.3
-2.5°	1712.9	1720.4	1725.6	1723.9	1720.9	1718.4	1711.4	1698.7	1683.1	1666.4	1642.3
-5°	1708.9	1717.6	1719.5	1718.1	1717.6	1713.0	1706.8	1693.7	1678.2	1658.5	1636.5
-7.5°	1700.2	1708.1	1712.7	1710.2	1711.3	1707.0	1700.1	1686.3	1670.8	1651.2	1631.6
-10°	1687.9	1696.7	1700.8	1700.0	1700.2	1696.4	1687.1	1674.8	1659.7	1641.5	1621.0
-12.5°	1670.7	1678.8	1683.7	1685.3	1683.0	1679.4	1673.7	1659.3	1646.0	1627.1	1602.9
-15°	1649.6	1658.7	1663.7	1664.7	1662.7	1658.5	1650.6	1640.1	1625.7	1605.4	1583.2
-17.5°	1627.0	1636.8	1639.5	1639.1	1637.6	1634.2	1627.7	1617.4	1599.5	1582.3	1560.9
-20°	1600.1	1609.1	1612.9	1614.0	1611.8	1607.8	1600.4	1587.7	1574.1	1553.7	1532.9



REPORT NUMBER: P622915 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF65-XX-PC-25W-7030

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1570.5	1578.8	1582.1	1582.5	1582.0	1577.6	1570.6	1556.7	1539.9	1523.0	1504.1
-25°	1535.2	1542.2	1545.6	1545.5	1544.8	1540.9	1533.4	1519.7	1505.7	1490.6	1470.4
-27.5°	1498.4	1506.1	1510.1	1510.3	1508.0	1503.1	1494.9	1485.1	1472.5	1453.8	1433.7
-30°	1457.4	1464.7	1468.4	1468.4	1468.3	1464.8	1458.2	1445.0	1429.2	1412.6	1393.5
-32.5°	1403.8	1411.0	1415.0	1415.0	1414.9	1410.9	1403.5	1393.9	1381.1	1362.6	1340.7
-35°	1352.9	1360.6	1365.1	1366.1	1364.4	1359.2	1350.5	1339.9	1328.1	1312.0	1292.6
-37.5°	1301.5	1308.6	1313.1	1314.5	1312.9	1308.3	1300.9	1290.7	1277.5	1261.6	1244.5
-40°	1245.7	1253.1	1257.6	1259.2	1257.0	1251.8	1243.6	1232.6	1220.5	1206.3	1190.9
-42.5°	1188.4	1195.1	1199.2	1200.5	1198.0	1192.9	1185.2	1175.1	1164.6	1151.4	1135.2
-45°	1130.1	1137.2	1141.7	1143.5	1141.4	1136.8	1130.0	1121.3	1109.1	1094.3	1078.0
-47.5°	1071.1	1076.8	1080.2	1081.2	1079.2	1074.8	1068.0	1058.4	1046.8	1033.8	1019.0
-50°	1009.3	1013.9	1016.2	1016.2	1014.8	1011.1	1004.9	996.4	985.5	972.4	957.5
-52.5°	939.2	944.1	946.5	946.6	945.4	941.8	935.9	927.7	917.6	906.2	892.1
-55°	865.1	870.2	873.0	873.5	872.0	868.0	861.6	852.6	841.4	830.7	816.8
-57.5°	755.2	758.7	758.6	754.1	757.2	756.1	751.8	744.5	729.4	712.8	701.5
-60°	632.1	635.9	637.6	637.2	636.3	633.4	628.7	622.2	614.0	610.7	602.8
-62.5°	553.0	556.2	557.7	557.4	556.8	554.4	550.1	544.0	536.5	529.3	521.0
-65°	457.6	459.0	456.7	451.3	455.8	457.2	455.0	448.7	437.6	424.4	418.4
-67.5°	353.8	356.5	357.8	357.8	357.6	356.1	353.3	349.2	343.8	338.7	333.4
-70°	271.8	271.1	268.1	263.3	267.2	269.4	269.5	266.8	261.0	252.8	245.8
-72.5°	193.9	194.3	194.1	193.0	193.8	193.8	193.1	192.1	191.1	186.8	179.0
-75°	123.1	123.7	123.6	122.8	122.9	122.3	121.1	119.3	116.8	114.3	113.0
-77.5°	66.7	67.5	67.7	67.4	67.4	66.8	65.6	63.8	61.4	58.6	57.4
-80°	32.1	32.2	32.1	31.9	31.9	31.7	31.5	31.1	30.7	30.1	29.6
-82.5°	19.5	19.6	19.5	19.5	19.4	19.4	19.2	19.0	18.7	18.4	18.0
-85°	10.4	10.4	10.4	10.3	10.3	10.2	10.2	10.0	9.9	9.7	9.5
-87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2
-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: P622915 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF65-XX-PC-25W-7030

**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°	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
82.5°	2.9	2.9	2.8	2.8	2.7	2.6	2.4	2.2	1.9	1.6	1.2
80°	9.9	9.5	8.9	8.4	7.8	7.3	6.6	6.1	5.8	5.4	4.9
77.5°	21.3	20.6	19.7	18.7	17.9	17.3	15.9	14.2	12.9	11.5	10.2
75°	45.6	44.2	42.4	40.2	37.7	35.2	32.7	30.7	29.0	26.2	22.5
72.5°	90.1	90.8	88.6	81.6	72.1	69.0	64.8	58.8	52.7	46.6	42.9
70°	171.1	170.4	168.7	156.6	141.9	133.0	126.9	115.6	101.7	88.6	73.7
67.5°	269.6	266.5	265.6	256.7	232.3	215.6	204.8	186.8	167.8	151.5	132.5
65°	403.9	392.6	379.7	365.1	336.6	310.8	294.3	271.2	251.9	223.3	197.7
62.5°	513.1	500.9	482.9	465.1	446.6	426.5	400.4	366.2	332.0	298.1	280.0
60°	630.1	604.7	590.2	583.5	562.2	530.9	496.7	467.4	434.5	392.4	350.6
57.5°	747.9	733.0	699.3	669.6	650.9	637.6	615.0	578.1	527.8	483.4	438.0
55°	862.1	844.0	830.1	800.6	761.5	721.1	696.4	675.3	637.1	581.9	515.9
52.5°	944.7	922.7	900.0	876.9	850.3	818.7	778.4	745.9	714.3	669.7	611.3
50°	1011.5	989.2	968.4	947.1	917.5	883.3	849.5	812.4	771.9	734.0	689.1
47.5°	1085.8	1057.5	1034.5	1014.2	992.1	960.5	915.4	871.9	831.5	785.9	744.7
45°	1170.4	1146.8	1109.8	1077.6	1052.3	1027.1	995.5	940.4	889.6	841.7	791.8
42.5°	1229.1	1210.4	1181.5	1146.7	1110.6	1080.8	1049.5	1005.4	951.9	898.8	843.2
40°	1275.2	1252.1	1226.5	1199.6	1165.0	1129.4	1092.3	1051.5	1004.4	951.4	898.3
37.5°	1325.4	1297.2	1267.4	1239.0	1208.7	1173.2	1133.5	1091.6	1046.3	995.1	942.9
35°	1367.3	1343.4	1312.4	1278.9	1244.9	1212.5	1173.7	1130.3	1083.5	1034.0	978.8
32.5°	1406.9	1379.9	1351.3	1319.2	1283.7	1246.3	1210.1	1166.8	1119.8	1067.1	1012.3
30°	1444.3	1417.8	1385.9	1353.5	1318.6	1281.5	1240.8	1200.9	1152.3	1099.6	1041.1
27.5°	1476.2	1450.3	1421.4	1384.0	1348.3	1311.4	1272.5	1228.4	1182.8	1127.1	1067.0
25°	1504.5	1478.5	1447.7	1413.2	1374.4	1336.5	1299.2	1256.4	1206.5	1151.6	1094.1
22.5°	1530.9	1501.3	1469.9	1436.6	1399.4	1359.6	1318.2	1277.1	1226.9	1175.5	1115.3
20°	1550.4	1522.4	1489.2	1454.9	1417.7	1379.1	1338.0	1294.9	1246.8	1193.0	1133.3
17.5°	1567.1	1538.8	1507.0	1470.5	1435.7	1396.0	1354.5	1309.4	1263.2	1208.8	1150.0
15°	1579.9	1552.5	1521.9	1487.6	1449.6	1410.9	1368.2	1323.9	1275.8	1222.1	1165.0
12.5°	1593.9	1565.0	1534.0	1499.0	1461.9	1423.1	1380.4	1335.1	1286.2	1233.3	1176.1
10°	1605.0	1576.0	1543.9	1510.2	1471.7	1430.9	1388.7	1344.4	1296.0	1243.5	1185.8
7.5°	1613.2	1584.1	1551.9	1517.2	1478.6	1438.3	1396.6	1351.5	1303.6	1250.9	1193.0
5°	1618.9	1588.8	1557.5	1522.4	1483.4	1442.7	1401.5	1356.3	1308.4	1255.4	1197.3
2.5°	1621.3	1591.0	1559.1	1525.0	1486.0	1444.4	1403.0	1358.6	1310.5	1257.5	1198.9
0°	1619.5	1590.0	1557.2	1524.7	1485.8	1443.2	1401.6	1358.2	1309.9	1257.0	1197.9
-2.5°	1618.7	1588.7	1555.5	1523.1	1484.6	1442.2	1401.1	1357.3	1308.7	1256.5	1198.1
-5°	1613.8	1584.0	1550.3	1519.8	1480.2	1438.1	1398.0	1353.7	1305.1	1253.5	1195.7
-7.5°	1605.1	1574.9	1540.8	1513.0	1473.1	1431.8	1392.1	1347.5	1299.3	1248.4	1190.4
-10°	1592.6	1564.0	1532.1	1501.4	1462.8	1423.5	1383.3	1339.0	1291.3	1239.7	1182.2
-12.5°	1577.8	1549.6	1521.5	1486.1	1448.4	1410.4	1370.3	1326.4	1280.0	1227.8	1171.5
-15°	1559.0	1533.5	1503.7	1469.6	1432.0	1393.1	1352.6	1308.5	1264.3	1214.8	1159.4
-17.5°	1536.0	1511.5	1480.4	1447.6	1412.5	1372.8	1332.3	1290.5	1246.6	1195.6	1137.6
-20°	1511.7	1483.2	1454.5	1423.7	1386.8	1349.2	1309.4	1266.7	1222.3	1172.8	1115.2



REPORT NUMBER: P622915 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF65-XX-PC-25W-7030

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1479.4	1453.9	1425.2	1394.4	1359.0	1321.9	1285.2	1243.4	1197.8	1146.6	1093.2
-25°	1447.2	1420.2	1394.8	1361.7	1328.6	1293.8	1252.8	1214.7	1170.2	1116.9	1065.6
-27.5°	1411.3	1387.3	1357.3	1327.9	1295.8	1257.7	1221.0	1182.1	1135.8	1089.0	1029.6
-30°	1368.2	1343.8	1318.6	1291.1	1254.7	1218.4	1183.1	1144.4	1101.9	1053.5	994.2
-32.5°	1321.4	1299.9	1276.4	1243.5	1208.4	1177.1	1142.6	1103.5	1064.0	1010.5	957.7
-35°	1274.5	1253.4	1225.3	1194.7	1163.2	1132.5	1098.3	1062.5	1017.2	968.9	918.8
-37.5°	1223.2	1201.4	1175.4	1146.8	1117.9	1085.0	1053.2	1014.3	972.4	927.3	882.2
-40°	1169.6	1147.6	1124.3	1099.2	1068.1	1036.7	1003.4	967.7	927.7	885.3	838.7
-42.5°	1116.4	1095.2	1071.1	1045.3	1017.6	987.3	955.4	920.2	881.2	839.8	784.5
-45°	1058.7	1037.1	1016.0	991.5	966.1	936.9	905.6	868.7	831.3	783.9	738.0
-47.5°	1000.7	980.4	960.1	937.1	912.0	883.3	849.0	815.3	774.4	734.0	687.4
-50°	940.6	921.9	902.0	879.5	851.4	821.6	791.4	758.5	721.9	680.4	632.7
-52.5°	876.4	857.9	834.6	809.9	785.7	758.7	730.7	699.0	663.6	618.9	578.3
-55°	797.7	778.8	761.8	741.7	715.2	680.9	651.4	623.9	595.3	557.8	503.1
-57.5°	695.7	686.1	664.3	633.5	608.9	590.2	572.8	551.9	508.9	464.3	432.0
-60°	587.8	572.7	554.7	540.8	530.7	516.9	487.4	454.2	423.2	400.4	375.3
-62.5°	510.6	498.4	482.5	468.0	452.4	430.4	402.5	381.1	363.3	344.2	316.4
-65°	414.5	409.9	395.6	374.0	357.0	342.0	331.0	317.4	297.3	257.7	233.7
-67.5°	325.1	315.9	305.7	294.2	286.9	275.9	255.0	232.5	213.9	201.1	183.5
-70°	243.0	239.0	232.9	221.7	206.4	195.1	187.1	176.1	161.3	146.9	132.4
-72.5°	171.6	165.2	160.3	154.8	147.5	139.4	130.5	120.6	109.5	97.4	84.6
-75°	110.8	107.8	103.8	98.9	93.0	85.8	77.8	70.1	64.1	58.3	52.2
-77.5°	56.1	54.1	51.5	48.2	45.6	43.3	40.3	37.4	34.9	31.6	28.3
-80°	29.0	28.1	27.1	26.1	25.1	24.0	22.6	21.0	19.6	18.1	16.5
-82.5°	17.5	17.0	16.6	16.0	15.5	14.7	13.9	13.1	12.3	11.4	10.5
-85°	9.2	8.9	8.6	8.2	7.8	7.4	6.9	6.4	6.0	5.5	5.1
-87.5°	3.1	3.0	2.9	2.8	2.7	2.6	2.4	2.3	2.2	2.0	1.9
-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: P622915 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF65-XX-PC-25W-7030

**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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
82.5°	1.0	1.0	0.9	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.3
80°	4.4	3.8	3.4	2.9	2.5	2.1	1.5	0.9	0.6	0.5	0.5
77.5°	9.0	7.6	6.7	5.6	4.7	4.1	3.5	2.8	2.0	1.1	0.7
75°	18.7	16.2	12.6	10.4	8.5	6.9	5.4	4.6	3.7	2.7	1.7
72.5°	38.2	33.3	27.9	22.2	16.2	11.5	8.9	6.8	5.3	4.2	3.1
70°	65.1	56.2	46.2	39.4	32.1	23.6	14.4	10.6	7.8	5.7	4.4
67.5°	113.2	93.6	78.0	63.7	48.6	38.8	28.4	17.6	11.3	8.0	5.8
65°	172.1	147.2	122.8	98.0	79.3	58.2	43.2	30.3	17.9	11.1	7.5
62.5°	241.9	206.9	174.9	145.2	115.6	88.9	64.0	44.4	29.4	15.4	9.8
60°	314.6	282.5	236.3	195.0	159.0	123.9	92.5	63.9	41.1	25.5	12.9
57.5°	390.3	346.0	309.8	256.5	204.7	163.0	124.6	89.4	58.6	35.6	18.7
55°	470.8	416.2	368.5	324.2	259.0	204.3	159.1	117.7	80.1	48.4	27.4
52.5°	543.0	490.3	429.9	375.9	318.4	249.9	194.8	147.9	104.3	65.0	35.9
50°	628.3	555.1	497.3	427.1	364.2	300.7	233.0	177.7	129.9	84.1	45.7
47.5°	695.9	631.4	552.9	483.0	410.2	343.5	272.0	209.8	155.3	104.9	59.6
45°	747.1	693.4	615.5	530.7	456.5	383.6	314.7	241.4	180.0	125.9	73.8
42.5°	790.1	739.6	672.0	583.0	501.5	422.8	348.1	271.5	206.3	145.6	88.3
40°	833.5	776.8	714.8	638.8	542.4	462.0	382.0	306.1	233.0	164.5	103.7
37.5°	884.1	810.4	751.4	678.5	589.2	497.0	414.5	334.1	253.5	182.7	119.1
35°	920.9	850.6	780.3	714.8	631.2	529.1	445.5	360.5	276.0	201.5	133.6
32.5°	952.4	886.2	810.0	744.6	663.2	569.4	474.4	386.3	300.3	220.5	147.4
30°	982.8	913.1	841.7	768.0	693.8	601.7	497.5	410.5	320.9	236.8	160.3
27.5°	1009.4	942.4	867.6	791.8	719.4	628.3	522.0	433.0	339.2	250.4	172.5
25°	1031.2	969.5	888.6	814.6	740.5	652.2	550.6	453.8	357.0	263.4	183.8
22.5°	1049.8	990.7	909.2	834.0	757.5	675.1	574.3	472.8	373.9	278.2	194.7
20°	1068.7	1006.1	934.4	850.6	774.0	695.1	595.0	487.1	389.0	291.2	205.2
17.5°	1087.9	1020.9	953.6	865.4	788.9	710.0	613.0	499.6	402.4	302.3	214.5
15°	1101.5	1033.2	969.9	878.1	801.1	722.9	626.4	511.3	414.1	311.4	222.4
12.5°	1113.3	1042.9	980.0	889.2	811.0	732.3	637.6	522.4	423.9	319.1	228.6
10°	1122.1	1052.7	989.1	899.5	818.7	739.0	646.6	530.7	431.9	325.2	233.1
7.5°	1128.4	1060.0	996.0	906.1	824.0	743.9	653.1	536.1	437.9	329.7	236.4
5°	1132.4	1064.1	1000.1	909.4	827.1	746.9	657.1	539.0	442.0	332.7	238.7
2.5°	1133.6	1065.2	1002.0	909.6	828.0	747.9	658.8	539.6	444.2	334.2	239.8
0°	1132.2	1063.5	1001.7	907.1	826.7	747.0	658.3	538.1	444.4	334.0	240.0
-2.5°	1132.5	1064.4	1000.8	907.6	827.1	746.9	658.5	539.7	444.6	334.4	240.4
-5°	1130.1	1062.7	997.7	905.6	825.2	744.9	656.6	539.2	443.0	333.2	239.8
-7.5°	1124.6	1058.0	992.6	901.0	821.0	740.8	652.6	536.3	439.6	330.4	238.0
-10°	1117.4	1050.0	983.7	893.9	814.5	734.9	646.6	531.0	434.4	326.2	235.0
-12.5°	1108.3	1039.2	970.8	884.0	805.3	727.0	638.1	522.9	427.3	320.5	230.8
-15°	1096.5	1026.4	955.5	872.6	793.7	716.7	627.6	512.0	417.9	313.3	225.1
-17.5°	1081.5	1011.1	937.4	859.3	780.1	703.5	615.2	500.8	406.5	304.8	218.2
-20°	1056.3	993.5	917.8	843.1	764.9	688.5	597.2	488.9	393.2	295.1	210.2



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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°	1029.0	967.4	894.2	824.1	747.9	671.5	575.5	475.3	377.8	284.1	201.3
-25°	1001.4	938.2	870.4	798.2	729.1	652.7	551.5	458.8	360.2	271.8	191.6
-27.5°	972.3	908.2	843.7	771.3	704.5	631.2	523.4	441.1	342.0	258.4	180.9
-30°	937.7	878.5	810.9	743.7	677.4	601.8	500.0	418.2	324.9	243.3	169.3
-32.5°	903.0	846.1	775.3	713.5	648.2	567.4	478.4	393.0	306.6	227.6	156.9
-35°	869.4	803.9	742.2	680.7	617.3	528.4	453.0	365.1	287.1	212.0	143.6
-37.5°	825.9	761.9	704.6	645.9	579.5	498.2	422.1	339.2	265.4	195.4	130.7
-40°	775.1	721.5	665.8	610.8	538.2	465.8	388.6	314.1	241.1	177.8	119.3
-42.5°	733.1	677.3	626.2	569.7	501.3	428.4	354.9	286.5	219.4	159.3	107.3
-45°	686.1	633.7	586.0	526.8	458.6	390.3	323.9	255.3	196.7	139.8	94.9
-47.5°	637.7	591.9	543.5	482.8	414.5	353.1	288.9	225.4	173.0	124.9	82.2
-50°	589.5	542.1	495.2	428.6	374.0	314.5	250.3	197.8	149.0	108.7	69.0
-52.5°	529.5	483.2	430.2	385.1	331.8	270.6	215.6	170.2	127.9	91.6	57.5
-55°	460.9	419.2	382.1	339.4	281.5	226.9	183.9	142.9	107.6	74.7	46.3
-57.5°	400.3	369.1	330.6	280.9	230.5	190.3	153.6	118.9	87.0	59.3	36.1
-60°	347.3	309.1	263.8	224.7	189.4	157.1	125.0	94.3	68.0	45.3	27.2
-62.5°	271.9	239.1	209.8	180.8	154.2	125.1	96.5	72.8	51.3	33.2	19.7
-65°	212.4	189.5	164.8	142.9	118.7	92.5	72.5	53.5	37.1	24.0	16.4
-67.5°	162.1	143.9	124.4	103.6	83.2	68.0	51.3	37.5	25.8	17.9	13.2
-70°	116.7	100.2	82.7	71.3	59.0	45.8	34.7	25.2	18.3	13.8	10.0
-72.5°	73.9	65.4	55.8	45.6	37.9	30.2	22.3	17.2	13.5	10.3	6.9
-75°	44.9	39.1	33.2	28.3	23.0	18.7	14.8	12.4	9.8	6.9	4.9
-77.5°	25.3	21.9	19.5	16.6	14.4	12.6	10.6	8.5	6.4	4.7	3.5
-80°	15.2	13.9	12.6	11.2	9.8	8.4	6.7	5.2	4.1	3.2	2.3
-82.5°	9.5	8.5	7.5	6.4	5.3	4.6	3.9	3.1	2.5	2.0	1.6
-85°	4.6	4.1	3.6	3.2	2.9	2.5	2.1	1.7	1.4	1.2	1.0
-87.5°	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.8	0.7	0.6	0.5
-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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**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°	0.1	0.1	0.1	0.1	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.1	0.1	0.0	0.0
82.5°	0.3	0.3	0.3	0.2	0.1	0.1	0.0
80°	0.4	0.4	0.3	0.3	0.2	0.1	0.0
77.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
75°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
72.5°	1.8	0.8	0.6	0.5	0.3	0.2	0.0
70°	3.0	1.4	0.8	0.5	0.4	0.2	0.0
67.5°	4.1	2.4	1.0	0.6	0.4	0.2	0.0
65°	5.3	3.4	1.5	0.7	0.5	0.2	0.0
62.5°	6.5	4.4	2.3	0.9	0.5	0.2	0.0
60°	8.2	5.3	3.0	1.1	0.6	0.3	0.0
57.5°	10.1	6.3	3.7	1.2	0.6	0.3	0.0
55°	13.4	7.5	4.4	1.8	0.7	0.3	0.0
52.5°	17.3	8.9	5.1	2.3	0.7	0.3	0.0
50°	24.3	10.4	5.9	2.8	0.8	0.4	0.0
47.5°	31.0	13.5	6.7	3.3	1.0	0.4	0.0
45°	37.6	16.7	7.5	3.7	1.1	0.4	0.0
42.5°	43.9	20.9	8.5	4.2	1.1	0.4	0.0
40°	54.1	25.8	9.5	4.6	1.2	0.5	0.0
37.5°	63.8	30.5	10.4	5.0	1.3	0.5	0.0
35°	73.8	35.0	12.4	5.5	1.5	0.5	0.0
32.5°	83.8	39.2	14.8	5.9	1.8	0.5	0.0
30°	93.1	43.1	17.2	6.4	2.0	0.5	0.0
27.5°	102.6	47.5	19.5	6.8	2.2	0.5	0.0
25°	111.4	53.1	21.8	7.2	2.4	0.6	0.0
22.5°	119.4	58.2	24.3	7.5	2.6	0.6	0.0
20°	126.6	62.8	26.5	7.9	2.8	0.6	0.0
17.5°	133.3	66.9	28.6	8.3	2.9	0.6	0.0
15°	139.1	70.7	30.4	8.6	3.0	0.6	0.0
12.5°	144.0	74.3	31.9	8.9	3.1	0.6	0.0
10°	148.0	77.3	33.2	9.1	3.2	0.6	0.0
7.5°	151.1	79.6	34.3	9.3	3.3	0.6	0.0
5°	153.2	81.3	35.1	9.4	3.3	0.6	0.0
2.5°	154.4	82.4	35.7	9.5	3.4	0.6	0.0
0°	154.7	82.8	36.1	9.6	3.4	0.6	0.0
-2.5°	155.1	83.3	36.3	9.7	3.4	0.7	0.0
-5°	154.6	83.2	36.3	9.8	3.4	0.7	0.0
-7.5°	153.1	82.4	36.0	9.9	3.4	0.7	0.0
-10°	150.7	81.0	35.5	9.9	3.4	0.7	0.0
-12.5°	147.3	79.0	34.7	9.8	3.3	0.7	0.0
-15°	143.0	76.4	33.6	9.7	3.3	0.7	0.0
-17.5°	137.8	73.5	32.3	9.6	3.2	0.7	0.0
-20°	131.6	70.3	30.7	9.3	3.1	0.7	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	125.5	66.6	28.8	9.1	3.0	0.7	0.0
-25°	119.3	62.3	26.6	8.8	2.8	0.6	0.0
-27.5°	112.4	57.5	24.3	8.5	2.7	0.6	0.0
-30°	104.9	53.5	21.9	8.1	2.5	0.6	0.0
-32.5°	97.0	49.5	19.4	7.7	2.3	0.6	0.0
-35°	88.6	45.1	16.6	7.2	2.1	0.6	0.0
-37.5°	79.8	40.5	14.3	6.7	1.9	0.6	0.0
-40°	70.9	35.7	13.5	6.2	1.8	0.5	0.0
-42.5°	61.4	30.7	12.5	5.7	1.7	0.5	0.0
-45°	54.0	25.8	11.5	5.1	1.6	0.5	0.0
-47.5°	46.1	21.3	10.5	4.5	1.5	0.5	0.0
-50°	38.5	16.6	9.4	4.0	1.3	0.5	0.0
-52.5°	30.7	15.0	8.2	3.5	1.2	0.4	0.0
-55°	24.4	13.3	7.1	3.0	1.1	0.4	0.0
-57.5°	18.3	11.6	5.9	2.5	1.0	0.4	0.0
-60°	16.0	9.8	4.8	2.2	1.0	0.3	0.0
-62.5°	13.6	8.0	4.0	1.9	0.9	0.3	0.0
-65°	11.1	6.2	3.3	1.6	0.8	0.3	0.0
-67.5°	8.6	4.7	2.6	1.4	0.7	0.3	0.0
-70°	6.0	3.7	2.2	1.2	0.6	0.2	0.0
-72.5°	4.6	2.9	1.7	1.0	0.5	0.2	0.0
-75°	3.4	2.2	1.4	0.8	0.4	0.2	0.0
-77.5°	2.5	1.7	1.1	0.7	0.4	0.1	0.0
-80°	1.8	1.2	0.8	0.5	0.3	0.1	0.0
-82.5°	1.2	0.9	0.6	0.4	0.2	0.1	0.0
-85°	0.8	0.6	0.4	0.3	0.1	0.1	0.0
-87.5°	0.4	0.3	0.2	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)