

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: P622913 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF25-XX-PC-25W-7040**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622913 (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: LSF25-XX-PC-25W-7040
Description: Flood light with selectable wattage and CCT
Light Source: (1) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

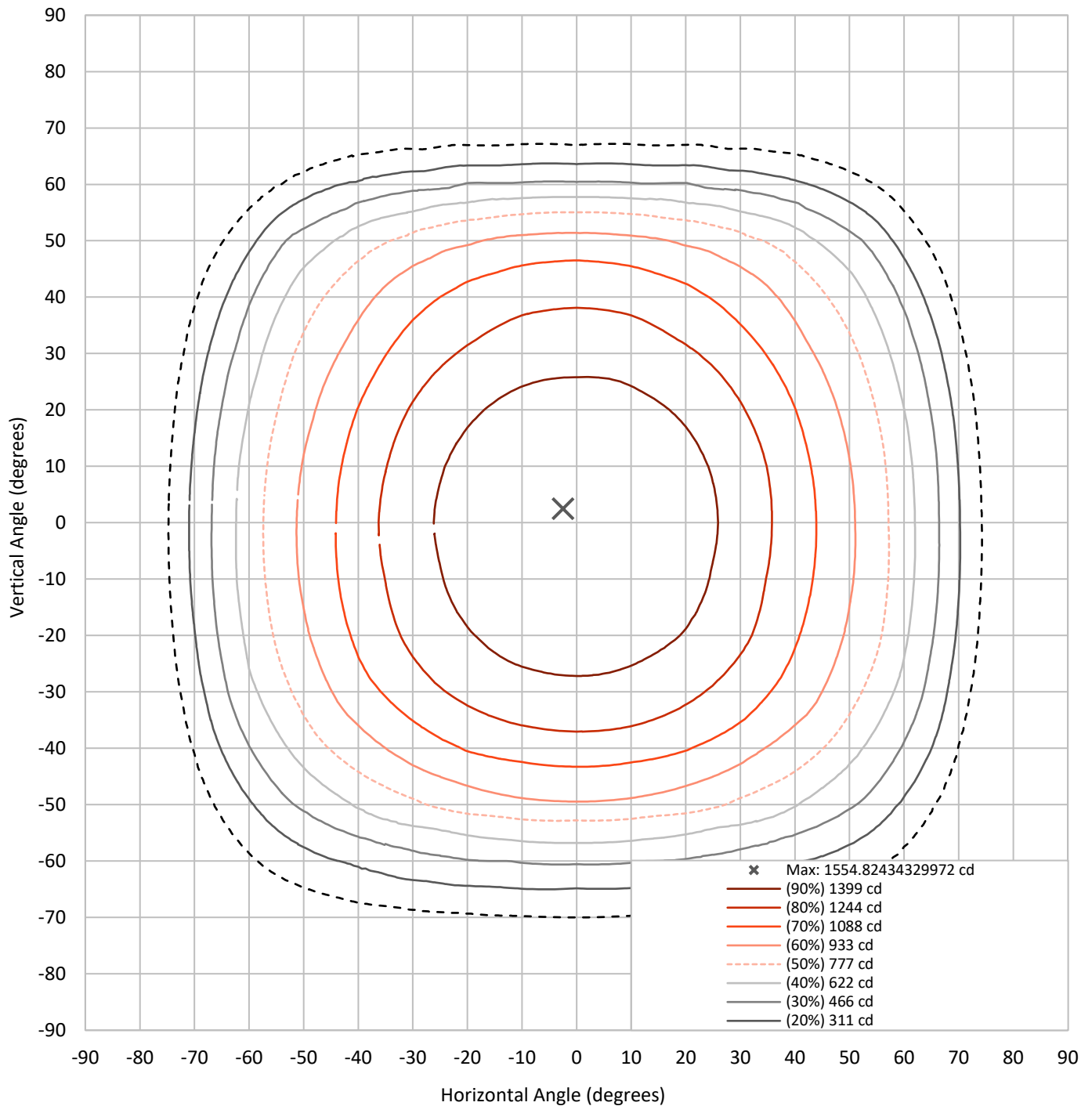
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4113.7 lumens	Max Intensity:	1554.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	148.5 lumens/watt		
Luminous Opening:	Rectangular (W 0.08m x L: 0.16m x H: 0m)		
Beam Angle (50%):	114.6°H x 108.1°V	Field Angle (10%):	148.8°H x 137°V
Beam Lumens:	3351.6 lumens	Field Lumens:	4056.4 lumens
Beam Efficiency:	81.5%	Field Efficiency:	98.6%
Input Watts (W):	27.7		
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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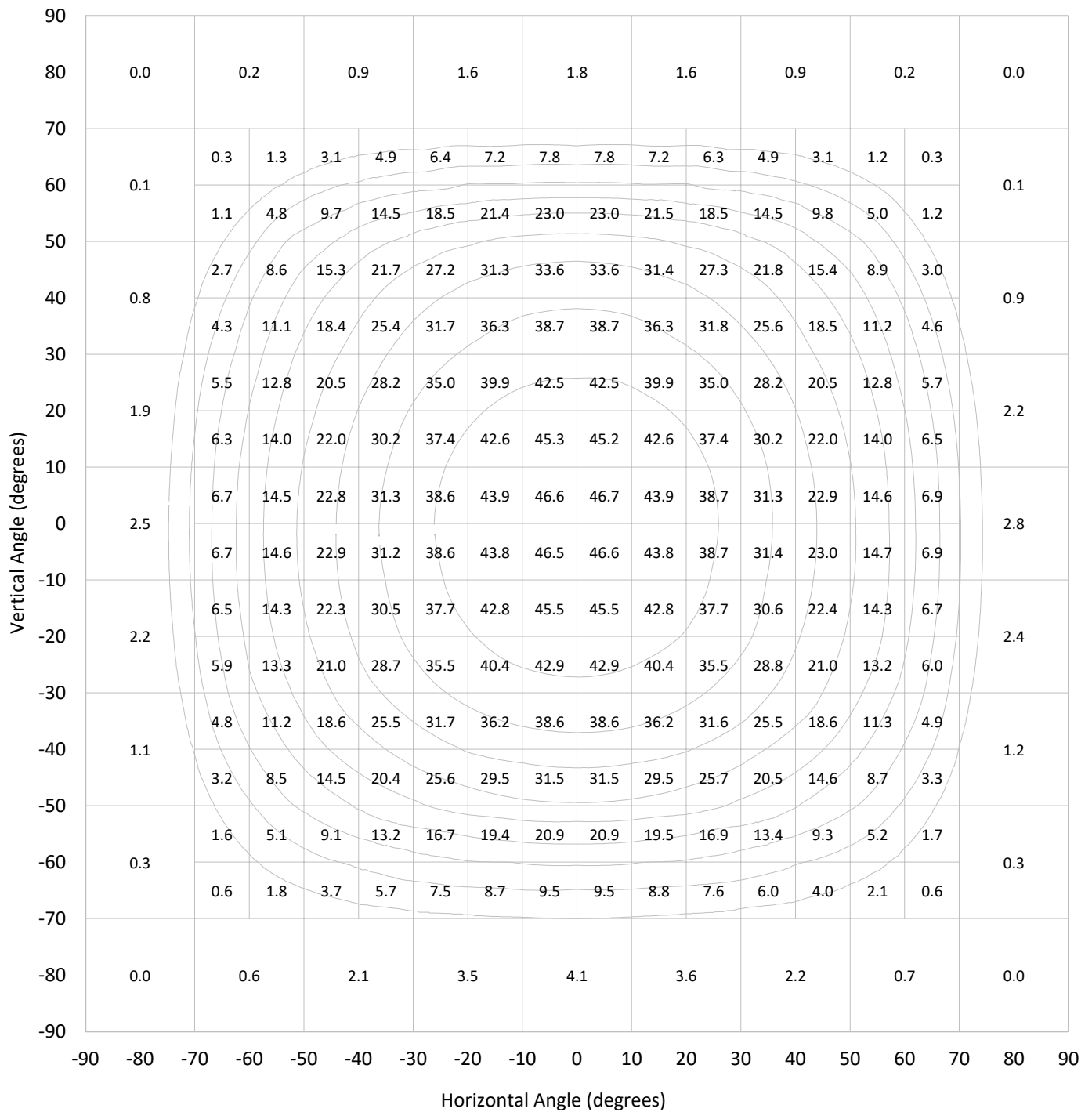
Iso-Candela Plot





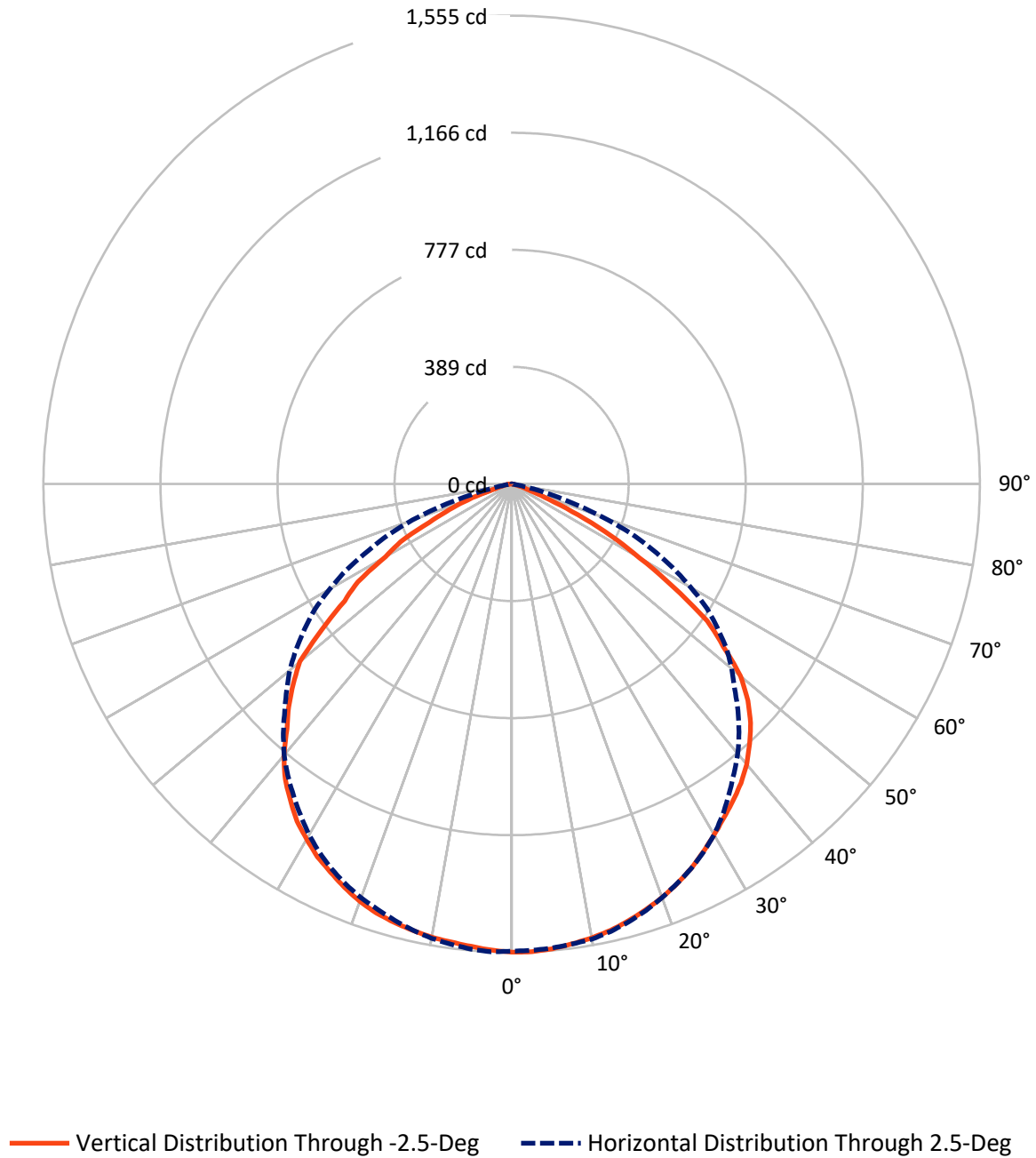
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Lumen Table



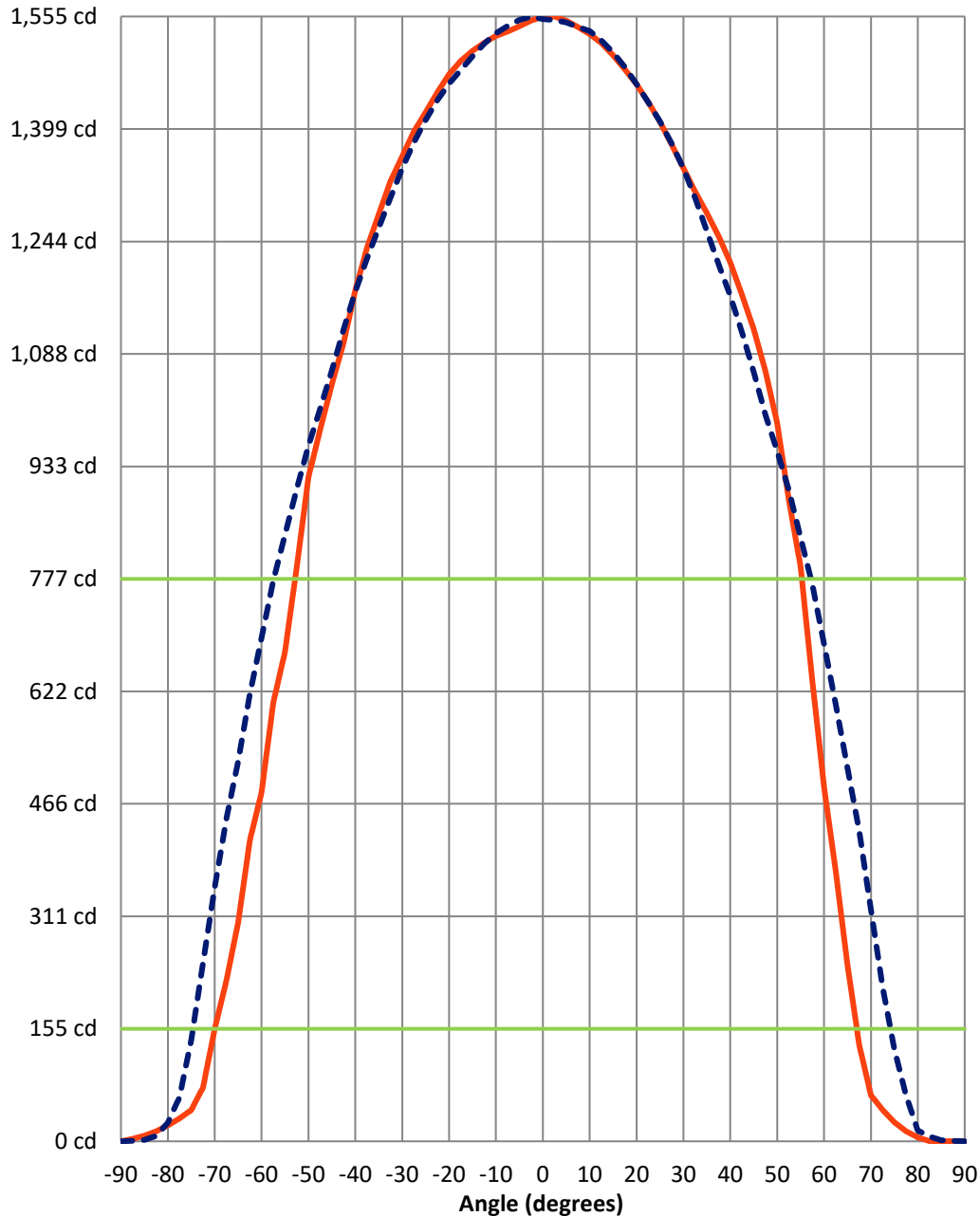
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 114.6°
 V Angle: 108.1°
 Lumens: 3351.6
 Efficiency: 81.5%

Field:
 H Angle: 148.8°
 V Angle: 137°
 Lumens: 4056.4
 Efficiency: 98.6%

Spill:
 Lumens: 57.3
 Efficiency: 1.4%

— Vertical Distribution through -2.5-Deg
 - - - Horizontal Distribution through 2.5-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	0.3	0.3
85°	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3
82.5°	0.0	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.2	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6
77.5°	0.0	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.8	1.0
75°	0.0	0.3	0.5	0.5	0.5	0.6	0.7	0.9	1.1	1.5	2.1
72.5°	0.0	0.4	0.5	0.5	0.6	0.7	1.0	1.3	1.9	2.9	4.3
70°	0.0	0.4	0.5	0.6	0.7	0.9	1.3	2.1	3.3	5.3	7.8
67.5°	0.0	0.5	0.5	0.6	0.8	1.2	2.0	3.3	5.6	8.4	11.4
65°	0.0	0.5	0.6	0.7	1.0	1.7	3.0	5.1	8.3	11.7	15.6
62.5°	0.0	0.5	0.6	0.8	1.3	2.3	4.1	7.5	11.1	15.5	20.8
60°	0.0	0.5	0.6	0.9	1.5	3.1	5.9	9.8	14.5	20.0	30.2
57.5°	0.0	0.5	0.7	1.0	2.0	4.1	7.8	12.5	18.2	25.1	54.4
55°	0.0	0.5	0.7	1.2	2.5	5.2	9.7	15.6	22.3	45.4	83.1
52.5°	0.0	0.5	0.7	1.4	3.1	6.7	11.8	19.4	27.0	70.5	111.7
50°	0.0	0.5	0.8	1.6	3.8	8.1	15.2	23.5	49.5	96.4	149.7
47.5°	0.0	0.5	0.9	1.8	4.5	9.6	18.8	28.2	72.2	121.8	183.6
45°	0.0	0.6	0.9	2.1	5.3	11.0	22.7	39.6	93.7	155.6	217.0
42.5°	0.0	0.6	1.0	2.5	6.3	13.3	26.7	56.5	114.7	186.2	252.0
40°	0.0	0.6	1.0	2.8	7.2	16.5	31.1	73.0	137.4	214.4	286.7
37.5°	0.0	0.6	1.1	3.1	8.2	19.8	35.6	89.0	163.5	241.1	317.6
35°	0.0	0.6	1.2	3.5	9.1	23.1	44.3	105.0	186.7	265.9	345.2
32.5°	0.0	0.6	1.3	4.0	10.0	26.4	54.8	121.0	207.1	288.9	371.3
30°	0.0	0.6	1.4	4.4	10.9	29.8	64.2	137.2	226.6	311.5	398.4
27.5°	0.0	0.6	1.4	4.7	11.7	33.1	74.3	155.1	244.9	333.2	423.9
25°	0.0	0.6	1.5	5.1	12.8	36.4	83.8	171.8	261.8	352.6	440.8
22.5°	0.0	0.6	1.6	5.4	14.9	39.6	92.3	186.2	276.9	369.9	456.2
20°	0.0	0.7	1.7	5.8	16.8	42.7	100.6	198.2	290.6	385.8	471.9
17.5°	0.0	0.7	1.7	6.1	18.6	45.7	109.3	209.0	303.1	401.1	485.5
15°	0.0	0.7	1.8	6.4	20.2	49.0	117.1	218.5	315.1	414.4	496.8
12.5°	0.0	0.7	1.8	6.7	21.7	52.6	123.8	226.7	325.5	425.6	505.5
10°	0.0	0.7	1.9	7.0	23.1	55.6	129.6	233.6	334.4	433.3	512.7
7.5°	0.0	0.7	1.9	7.1	24.2	58.0	134.2	239.2	341.6	438.9	518.5
5°	0.0	0.7	2.0	7.3	25.1	59.9	137.8	243.4	347.1	443.2	522.7
2.5°	0.0	0.7	2.0	7.4	25.8	61.2	140.3	246.2	350.8	446.0	525.3
0°	0.0	0.7	2.0	7.4	26.2	62.1	141.5	247.6	352.8	447.3	526.3
-2.5°	0.0	0.7	2.0	7.5	26.3	62.7	141.6	247.7	353.1	448.4	527.5
-5°	0.0	0.7	2.0	7.5	26.2	62.9	140.5	246.4	351.6	448.0	527.1
-7.5°	0.0	0.7	2.0	7.4	25.8	62.5	138.3	243.7	348.3	446.1	525.1
-10°	0.0	0.7	2.0	7.3	25.2	61.7	135.0	239.7	343.1	442.8	521.3
-12.5°	0.0	0.7	2.0	7.2	24.3	60.4	130.7	234.2	336.0	437.7	515.9
-15°	0.0	0.7	2.0	7.0	23.2	58.5	125.4	227.3	327.1	429.9	508.7
-17.5°	0.0	0.7	2.0	6.7	21.8	56.4	119.3	219.0	316.4	420.8	500.3
-20°	0.0	0.7	1.9	6.5	20.2	54.0	112.3	209.4	305.4	410.2	490.9

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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	0.7	1.9	6.2	18.4	51.1	105.6	198.3	293.0	396.1	480.1
-25°	0.0	0.7	1.8	5.9	16.4	47.6	98.8	185.3	279.1	379.3	466.8
-27.5°	0.0	0.7	1.8	5.6	15.1	43.7	91.1	170.6	263.6	360.0	452.0
-30°	0.0	0.7	1.7	5.3	14.0	40.2	82.9	154.7	246.5	338.0	434.1
-32.5°	0.0	0.7	1.6	4.9	12.7	36.7	76.2	140.8	227.9	315.1	413.7
-35°	0.0	0.6	1.5	4.6	11.2	33.1	68.7	127.2	207.8	292.8	385.2
-37.5°	0.0	0.6	1.4	4.2	9.8	29.2	60.9	113.7	186.0	268.8	350.9
-40°	0.0	0.6	1.4	3.8	9.0	25.2	53.0	100.2	162.8	243.0	316.5
-42.5°	0.0	0.6	1.3	3.5	8.1	20.9	44.5	86.9	143.4	214.3	284.5
-45°	0.0	0.6	1.2	3.1	7.2	17.2	39.1	74.5	126.0	184.7	251.4
-47.5°	0.0	0.6	1.2	2.7	6.5	14.1	33.5	61.9	107.7	155.2	217.4
-50°	0.0	0.6	1.1	2.5	5.7	10.6	27.8	49.3	88.6	133.2	183.4
-52.5°	0.0	0.6	1.0	2.2	4.9	9.3	21.8	40.8	70.9	109.6	151.5
-55°	0.0	0.6	1.0	2.0	4.3	8.0	16.6	33.8	54.2	87.1	125.6
-57.5°	0.0	0.6	0.9	1.7	3.6	6.8	11.1	26.5	41.9	67.5	97.4
-60°	0.0	0.6	0.9	1.5	3.0	5.7	9.4	19.1	33.3	47.7	75.4
-62.5°	0.0	0.5	0.8	1.4	2.5	4.7	7.7	11.8	25.0	37.2	53.2
-65°	0.0	0.5	0.8	1.2	2.1	3.8	6.3	9.6	16.7	28.0	38.6
-67.5°	0.0	0.5	0.7	1.1	1.8	3.0	5.0	7.7	11.6	19.2	28.6
-70°	0.0	0.5	0.7	1.0	1.5	2.4	3.8	6.0	8.7	12.8	19.5
-72.5°	0.0	0.4	0.6	0.9	1.2	1.9	2.9	4.5	6.7	9.2	12.7
-75°	0.0	0.3	0.6	0.8	1.1	1.5	2.1	3.3	4.9	6.8	9.0
-77.5°	0.0	0.3	0.6	0.7	0.9	1.2	1.7	2.4	3.5	4.9	6.4
-80°	0.0	0.2	0.5	0.7	0.8	1.0	1.3	1.8	2.5	3.4	4.4
-82.5°	0.0	0.2	0.4	0.6	0.7	0.8	1.0	1.3	1.8	2.3	3.0
-85°	0.0	0.1	0.2	0.4	0.5	0.7	0.8	1.0	1.2	1.5	1.8
-87.5°	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: LSF25-XX-PC-25W-7040

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3
80°	0.6	0.6	0.7	0.8	1.0	1.3	1.6	1.8	2.2	2.5	2.7
77.5°	1.2	1.6	2.1	2.8	3.8	4.5	5.4	6.3	7.1	7.8	8.5
75°	2.8	4.3	5.8	7.2	8.5	9.7	10.9	12.7	14.2	15.9	17.3
72.5°	6.4	8.4	10.2	11.9	14.3	16.8	19.5	22.4	24.9	27.3	29.5
70°	10.2	12.5	15.6	19.0	22.6	28.7	34.4	37.4	46.9	55.4	60.4
67.5°	14.5	18.4	22.9	31.6	43.2	54.7	67.4	79.9	87.8	94.0	100.7
65°	20.3	27.7	41.2	60.6	78.2	99.3	112.7	126.1	142.0	157.8	167.4
62.5°	31.3	51.9	75.8	101.3	126.1	144.1	169.8	201.9	217.9	257.0	270.0
60°	56.6	85.0	118.4	146.2	173.5	220.9	255.5	296.9	317.6	327.9	355.4
57.5°	87.7	125.9	159.7	195.4	262.7	306.0	350.6	370.7	397.7	434.3	457.1
55°	123.4	165.9	206.7	289.6	344.0	391.4	419.7	458.1	478.9	543.4	579.4
52.5°	163.7	208.0	285.8	359.8	424.4	458.9	492.1	529.6	588.4	624.8	651.2
50°	199.7	268.2	346.4	425.9	487.8	516.7	559.0	614.8	649.6	696.0	740.2
47.5°	241.9	322.7	401.5	476.3	529.4	573.3	626.1	666.7	718.8	755.9	796.7
45°	290.5	368.8	451.6	512.2	568.4	629.1	675.1	726.0	764.0	805.8	840.6
42.5°	330.9	414.5	485.8	543.9	610.7	672.8	723.0	764.0	806.2	844.6	888.1
40°	366.4	450.1	516.1	581.3	647.6	708.5	758.3	799.3	840.7	884.5	923.3
37.5°	401.6	478.1	543.9	615.3	679.9	739.8	786.0	830.7	873.8	914.5	957.1
35°	432.0	504.6	574.3	643.7	710.3	765.6	813.9	858.1	899.5	944.0	991.2
32.5°	452.7	525.8	601.3	669.2	737.7	789.9	839.1	883.1	924.9	973.9	1018.1
30°	476.2	549.6	623.3	695.2	760.2	813.3	862.9	907.5	952.2	998.1	1044.4
27.5°	498.4	571.0	642.9	719.0	779.9	834.0	884.8	930.5	977.6	1023.8	1069.1
25°	515.8	593.0	661.1	739.6	798.3	854.1	905.4	952.7	1000.8	1048.7	1093.7
22.5°	533.0	611.5	684.4	757.3	815.3	872.9	923.6	972.2	1022.7	1072.4	1117.2
20°	549.4	628.1	704.6	773.0	830.4	889.8	939.5	990.1	1042.8	1092.5	1136.8
17.5°	564.3	643.2	721.9	788.0	847.2	904.9	953.2	1006.4	1061.1	1110.7	1155.0
15°	578.8	656.6	736.0	801.6	862.0	918.6	968.0	1021.2	1076.4	1124.8	1170.9
12.5°	591.8	668.8	747.9	813.2	874.0	930.9	981.6	1035.7	1089.7	1137.6	1184.1
10°	602.6	679.1	758.0	822.3	884.1	941.3	993.0	1047.2	1101.2	1150.5	1196.6
7.5°	609.4	687.0	765.5	829.6	891.9	949.8	1001.9	1055.9	1110.7	1161.1	1207.3
5°	614.6	692.7	771.1	835.0	897.8	956.6	1008.4	1062.0	1117.6	1169.2	1215.3
2.5°	618.0	696.2	774.9	838.6	901.7	961.5	1012.7	1065.6	1122.3	1174.7	1220.5
0°	619.7	697.7	776.7	840.4	903.5	964.5	1014.8	1066.7	1124.5	1177.7	1223.2
-2.5°	621.3	699.1	777.2	841.4	904.2	964.7	1016.6	1068.8	1125.1	1177.3	1222.5
-5°	621.2	698.5	775.7	840.5	902.9	962.9	1016.3	1068.4	1123.1	1174.4	1219.3
-7.5°	619.4	695.9	772.3	837.6	899.9	958.9	1013.8	1065.8	1118.8	1169.2	1213.5
-10°	615.9	691.2	767.1	832.4	895.1	952.7	1008.9	1060.8	1112.8	1161.7	1205.5
-12.5°	608.6	684.3	760.1	825.0	888.6	944.3	1001.6	1053.9	1105.2	1152.3	1196.3
-15°	599.1	675.8	751.7	815.9	880.4	933.8	991.1	1045.1	1095.4	1141.7	1185.7
-17.5°	588.4	666.5	741.5	805.0	868.3	922.4	976.8	1032.1	1083.3	1129.1	1172.7
-20°	574.7	655.8	728.4	792.3	853.7	910.9	960.9	1015.8	1068.4	1114.6	1157.2

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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°	557.2	643.1	712.6	778.6	834.8	895.3	944.0	996.6	1049.4	1098.8	1140.3
-25°	539.2	628.5	693.6	761.1	814.8	874.9	926.6	974.5	1025.8	1079.0	1120.2
-27.5°	522.0	610.9	671.8	738.2	793.9	850.2	907.1	952.6	1000.5	1051.4	1097.5
-30°	505.1	581.6	647.9	709.9	771.7	822.8	880.5	930.7	973.7	1019.3	1064.5
-32.5°	485.1	546.5	621.4	677.3	744.4	795.8	849.3	904.0	946.9	985.5	1028.3
-35°	459.6	519.0	590.7	646.9	708.9	768.4	815.6	869.0	913.2	947.6	990.4
-37.5°	431.2	491.4	551.0	614.9	667.9	732.1	784.1	826.2	869.3	907.5	943.4
-40°	396.7	460.9	516.7	578.1	629.6	686.4	745.6	784.2	822.9	860.8	895.3
-42.5°	354.3	426.5	482.5	534.0	590.7	638.5	694.4	741.8	775.8	811.1	844.5
-45°	315.0	384.8	445.0	497.9	545.8	592.7	634.9	689.6	729.7	760.2	791.4
-47.5°	277.8	335.9	402.3	454.8	504.1	541.4	576.3	621.1	673.9	710.5	736.5
-50°	239.9	293.8	347.2	408.3	454.7	493.0	523.0	550.6	594.2	646.3	683.3
-52.5°	201.4	252.3	300.0	349.6	399.7	433.7	472.7	497.3	517.8	551.8	602.9
-55°	165.3	210.2	255.0	296.4	336.4	374.1	403.0	443.2	466.5	480.1	496.3
-57.5°	134.2	170.4	209.7	247.4	279.6	311.5	340.9	362.4	392.3	426.9	440.7
-60°	103.0	136.2	167.4	198.2	226.2	253.4	280.8	302.9	315.9	334.5	367.9
-62.5°	77.7	101.7	131.7	153.9	175.2	199.1	217.8	241.3	264.7	275.1	285.7
-65°	53.4	75.3	93.3	115.6	132.4	146.9	165.3	181.0	192.0	210.1	227.8
-67.5°	37.4	48.3	67.5	77.2	91.6	106.9	117.7	126.8	138.8	153.7	160.2
-70°	27.3	34.0	41.7	50.0	58.4	65.5	75.7	86.9	92.9	97.3	102.0
-72.5°	18.1	24.7	29.4	32.4	36.1	39.3	42.2	44.9	51.2	58.1	62.0
-75°	11.4	15.7	19.9	22.9	25.3	27.0	28.1	28.6	29.4	31.6	33.4
-77.5°	8.2	10.2	11.9	13.8	16.3	18.2	19.6	20.6	21.7	23.0	24.1
-80°	5.7	7.0	8.1	9.2	10.3	11.5	12.6	13.7	14.6	15.5	16.3
-82.5°	3.7	4.6	5.2	5.9	6.6	7.3	8.0	8.7	9.3	9.8	10.3
-85°	2.3	2.7	3.1	3.4	3.7	4.1	4.5	4.9	5.2	5.5	5.7
-87.5°	1.2	1.4	1.6	1.7	1.8	2.0	2.1	2.3	2.4	2.5	2.6
-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):

	-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	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
82.5°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	3.1	3.4	3.6	3.8	4.1	4.4	4.7	4.9	5.0	5.2	5.3
77.5°	9.3	10.0	10.5	11.1	11.8	12.3	12.7	12.9	13.1	13.4	13.7
75°	18.6	19.8	20.6	21.7	22.8	23.6	24.3	24.8	25.0	25.6	26.0
72.5°	33.1	35.9	36.1	36.3	37.8	39.0	40.1	40.8	41.2	41.9	42.7
70°	62.1	60.7	58.1	57.6	60.7	62.6	63.3	63.1	63.1	63.6	64.7
67.5°	104.6	104.3	104.5	107.8	121.5	129.5	128.7	125.3	123.4	127.4	134.9
65°	183.8	209.1	206.9	198.3	219.9	238.5	236.9	234.4	233.5	238.2	244.2
62.5°	272.9	293.4	299.5	301.3	329.4	342.4	346.9	350.0	349.4	351.4	359.3
60°	377.6	399.7	418.2	420.4	420.6	449.6	477.9	481.7	479.0	476.6	484.0
57.5°	494.6	506.8	524.1	541.8	555.2	559.7	580.9	610.3	620.0	616.0	624.7
55°	591.4	609.2	626.5	658.3	698.7	718.9	715.8	717.9	739.5	765.5	773.8
52.5°	686.3	715.1	750.3	771.8	785.3	803.2	831.4	848.1	856.8	861.1	869.7
50°	768.1	795.3	812.7	842.8	875.2	895.6	909.2	931.9	949.3	967.0	976.1
47.5°	825.7	854.1	888.8	912.0	946.1	968.3	983.8	999.6	1022.7	1038.5	1047.0
45°	882.1	911.3	945.8	972.0	994.8	1023.9	1045.1	1060.1	1073.0	1089.9	1103.2
42.5°	923.6	962.5	992.9	1022.2	1047.9	1068.8	1093.2	1110.4	1126.2	1137.6	1150.5
40°	964.5	1008.3	1035.3	1062.0	1089.5	1111.4	1140.0	1154.0	1169.3	1182.3	1196.1
37.5°	1002.6	1039.2	1070.7	1096.9	1125.8	1148.6	1176.0	1193.8	1207.3	1222.1	1234.5
35°	1031.7	1068.9	1099.1	1126.8	1155.9	1183.0	1206.2	1223.8	1238.5	1254.2	1268.4
32.5°	1059.7	1095.1	1125.2	1155.4	1185.6	1212.1	1232.4	1248.9	1266.4	1283.8	1299.0
30°	1085.6	1121.2	1154.1	1184.7	1214.8	1240.1	1261.0	1278.4	1297.0	1315.0	1330.3
27.5°	1110.8	1147.6	1182.1	1214.7	1244.5	1270.4	1291.2	1310.9	1328.6	1347.8	1362.0
25°	1134.8	1173.1	1209.3	1242.5	1273.1	1298.2	1321.6	1343.3	1362.0	1378.8	1390.5
22.5°	1158.0	1197.1	1233.9	1268.7	1298.0	1325.3	1350.4	1371.4	1389.8	1405.7	1417.1
20°	1179.1	1219.1	1257.1	1290.7	1322.1	1349.7	1373.6	1395.5	1413.4	1428.8	1440.3
17.5°	1198.0	1238.6	1276.4	1312.4	1342.6	1369.9	1395.4	1415.4	1434.3	1448.7	1460.8
15°	1214.2	1255.7	1294.6	1330.3	1360.2	1388.9	1412.8	1434.2	1452.3	1467.8	1479.3
12.5°	1227.9	1269.9	1309.8	1345.3	1376.4	1404.7	1427.9	1448.7	1467.8	1483.6	1495.5
10°	1239.9	1282.0	1322.6	1358.1	1390.0	1416.7	1440.5	1460.6	1480.0	1495.7	1508.7
7.5°	1250.3	1292.2	1332.9	1368.7	1398.6	1427.0	1449.7	1470.7	1488.5	1505.5	1518.4
5°	1257.9	1299.8	1340.2	1376.3	1406.5	1434.3	1457.1	1476.4	1494.2	1512.0	1526.0
2.5°	1262.8	1304.3	1344.9	1380.7	1411.7	1439.1	1462.0	1480.9	1499.8	1517.2	1531.6
0°	1265.1	1305.9	1346.7	1382.4	1414.1	1441.4	1463.7	1483.2	1503.2	1520.9	1534.3
-2.5°	1264.0	1304.6	1344.9	1380.9	1411.4	1438.2	1459.6	1479.2	1498.8	1516.8	1532.3
-5°	1260.4	1300.6	1339.9	1376.6	1406.7	1432.8	1453.3	1472.7	1492.5	1511.2	1526.1
-7.5°	1254.3	1293.9	1331.9	1369.4	1401.0	1426.6	1447.9	1467.2	1486.2	1503.8	1519.1
-10°	1245.9	1285.6	1324.0	1361.9	1394.2	1419.0	1441.1	1460.4	1478.8	1497.0	1511.7
-12.5°	1238.7	1278.6	1317.2	1353.0	1384.9	1410.7	1432.1	1452.7	1471.2	1488.2	1501.5
-15°	1228.2	1269.4	1307.6	1341.2	1372.8	1399.3	1421.3	1442.3	1461.5	1476.0	1489.9
-17.5°	1215.0	1257.4	1295.5	1331.0	1357.4	1383.8	1406.2	1428.1	1446.8	1461.9	1473.4
-20°	1198.0	1240.5	1280.3	1311.1	1339.1	1363.4	1388.6	1408.2	1427.7	1444.4	1455.6



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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°	1179.7	1219.3	1257.6	1290.6	1316.7	1342.1	1364.3	1386.9	1405.9	1421.1	1432.2
-25°	1157.7	1193.0	1230.9	1266.4	1294.4	1316.5	1340.6	1362.1	1379.9	1394.8	1406.9
-27.5°	1131.6	1166.6	1201.2	1235.9	1268.2	1292.0	1312.4	1332.8	1352.4	1366.7	1375.2
-30°	1100.9	1136.1	1169.4	1202.7	1232.7	1259.0	1282.8	1301.4	1318.2	1332.3	1343.7
-32.5°	1065.9	1098.4	1133.7	1165.6	1193.5	1219.4	1242.8	1264.7	1280.6	1294.2	1306.9
-35°	1029.6	1059.8	1089.3	1123.5	1154.2	1177.2	1198.6	1218.6	1236.7	1250.6	1260.3
-37.5°	987.8	1024.4	1047.1	1072.7	1104.8	1135.9	1156.5	1172.3	1189.6	1205.0	1216.6
-40°	931.1	975.4	1005.3	1025.1	1045.9	1072.5	1103.5	1120.9	1131.8	1143.6	1156.5
-42.5°	875.4	909.0	946.3	975.1	994.2	1011.1	1031.7	1052.0	1067.9	1078.2	1084.0
-45°	821.1	853.1	881.9	911.1	936.0	953.5	973.0	990.8	1005.8	1018.8	1028.7
-47.5°	761.8	792.6	824.2	851.3	872.9	893.5	914.2	931.8	946.2	958.2	968.1
-50°	696.0	713.6	742.7	778.1	808.7	826.3	840.8	858.8	876.7	892.5	902.6
-52.5°	635.2	647.1	652.0	667.9	695.3	725.1	741.1	748.6	755.0	766.7	781.9
-55°	534.7	574.3	591.3	595.3	596.0	612.0	634.4	649.5	657.2	656.2	664.2
-57.5°	448.5	461.3	490.0	517.2	536.0	540.5	548.0	561.1	575.0	587.7	597.9
-60°	393.6	400.4	403.4	409.0	424.2	445.6	458.6	465.0	465.1	465.5	474.4
-62.5°	301.3	328.4	345.4	351.3	355.0	364.9	378.0	391.0	397.9	402.3	407.5
-65°	241.2	247.2	253.5	259.3	277.9	289.8	289.9	288.9	289.1	297.6	305.6
-67.5°	167.0	171.9	180.9	193.9	201.1	202.6	202.4	203.3	203.5	207.3	213.3
-70°	109.9	120.3	126.0	126.9	127.6	131.5	137.6	145.0	147.3	147.7	149.3
-72.5°	62.8	62.2	61.1	64.5	67.6	70.3	73.8	75.3	75.0	75.1	75.2
-75°	36.1	37.7	37.3	37.5	38.5	39.5	40.5	41.6	41.7	42.2	42.7
-77.5°	25.1	25.9	26.7	27.4	28.3	29.0	29.6	30.0	30.4	30.9	31.2
-80°	17.1	17.9	18.5	19.2	19.8	20.3	20.7	21.0	21.3	21.6	21.8
-82.5°	10.8	11.2	11.6	12.0	12.4	12.7	12.9	13.2	13.4	13.5	13.7
-85°	6.0	6.3	6.5	6.7	6.9	7.1	7.2	7.3	7.5	7.5	7.6
-87.5°	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.3	3.4	3.4	3.4
-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: P622913 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
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	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
82.5°	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
80°	5.4	5.4	5.4	5.3	5.4	5.4	5.4	5.3	5.1	4.9	4.7
77.5°	13.8	13.9	13.9	13.7	13.8	13.8	13.7	13.5	13.2	12.9	12.7
75°	26.3	26.4	26.3	26.1	26.3	26.4	26.3	26.0	25.5	25.0	24.7
72.5°	43.2	43.4	43.3	43.0	43.3	43.4	43.2	42.7	41.9	41.4	41.5
70°	65.0	64.7	63.8	62.5	64.0	65.0	65.4	65.2	64.1	63.5	63.6
67.5°	138.1	137.2	133.2	127.2	133.3	137.3	138.1	134.5	126.7	123.3	126.1
65°	246.7	246.3	243.5	239.0	244.1	247.4	248.2	245.5	238.9	233.7	235.8
62.5°	369.4	373.6	372.7	367.7	372.4	373.0	368.9	359.2	350.9	348.7	349.5
60°	488.4	490.2	489.7	487.5	489.3	489.3	486.8	481.5	472.7	474.9	479.8
57.5°	631.6	635.1	636.3	635.2	635.9	634.2	629.6	621.5	613.2	619.4	611.3
55°	782.5	789.9	793.6	791.6	793.6	789.9	783.1	775.3	768.5	741.6	718.5
52.5°	878.7	884.7	886.1	884.1	885.9	884.2	878.0	869.0	860.7	856.3	848.6
50°	981.8	987.7	992.3	994.1	990.6	984.2	976.5	968.9	959.7	945.3	929.4
47.5°	1055.0	1060.4	1064.3	1066.3	1063.5	1058.7	1051.9	1042.4	1032.4	1016.6	995.3
45°	1111.0	1117.6	1122.3	1124.4	1121.1	1115.6	1108.6	1101.1	1087.3	1069.9	1054.0
42.5°	1160.7	1165.7	1169.8	1172.2	1169.6	1165.0	1159.2	1148.8	1134.8	1121.1	1104.9
40°	1202.8	1209.2	1214.7	1218.3	1215.0	1209.7	1203.2	1196.0	1180.7	1166.1	1150.9
37.5°	1242.4	1248.1	1251.2	1252.1	1251.2	1248.4	1242.9	1234.5	1221.0	1205.7	1188.1
35°	1277.8	1281.6	1283.0	1282.3	1283.2	1282.0	1278.2	1268.7	1254.5	1238.8	1221.6
32.5°	1309.6	1312.3	1312.6	1310.7	1313.3	1313.7	1311.5	1300.5	1285.2	1267.9	1250.5
30°	1342.2	1344.6	1345.0	1343.0	1345.9	1346.3	1344.3	1331.7	1316.2	1297.8	1280.2
27.5°	1372.0	1375.9	1377.6	1376.9	1378.6	1377.7	1374.2	1362.8	1347.1	1327.4	1312.2
25°	1399.5	1405.4	1409.1	1410.2	1410.2	1407.8	1402.2	1391.6	1376.6	1360.6	1343.5
22.5°	1425.7	1432.1	1436.2	1437.5	1438.1	1435.9	1429.3	1418.3	1404.8	1389.6	1371.7
20°	1449.9	1456.9	1461.1	1462.9	1462.1	1459.3	1452.4	1441.9	1429.0	1413.8	1396.3
17.5°	1469.7	1476.6	1481.7	1483.9	1482.9	1479.1	1472.0	1462.9	1449.0	1433.6	1416.9
15°	1488.6	1496.4	1501.1	1502.4	1502.0	1497.5	1489.8	1480.1	1468.1	1451.4	1433.8
12.5°	1505.0	1513.5	1518.0	1518.6	1517.5	1513.0	1505.8	1496.2	1483.1	1467.8	1448.9
10°	1518.4	1526.3	1530.5	1530.3	1530.0	1526.0	1517.6	1508.2	1496.6	1481.3	1461.5
7.5°	1528.4	1537.7	1540.1	1540.3	1538.4	1534.8	1527.0	1518.3	1507.8	1492.1	1473.0
5°	1538.0	1546.4	1549.0	1546.7	1544.5	1541.6	1536.1	1528.1	1516.7	1500.8	1480.5
2.5°	1541.8	1550.0	1554.8	1551.3	1549.9	1546.6	1540.5	1534.6	1521.5	1505.1	1484.8
0°	1544.0	1551.5	1554.6	1553.4	1550.2	1546.9	1541.9	1532.7	1521.1	1505.9	1486.5
-2.5°	1540.6	1547.9	1549.1	1546.8	1544.9	1542.1	1538.9	1531.6	1518.6	1501.8	1480.7
-5°	1535.6	1540.6	1541.3	1538.6	1537.5	1536.7	1533.3	1525.9	1513.8	1495.5	1472.1
-7.5°	1529.1	1535.2	1534.1	1531.6	1531.3	1530.2	1528.2	1520.5	1507.2	1488.0	1466.1
-10°	1521.1	1526.7	1528.0	1525.2	1526.6	1524.5	1521.3	1512.4	1497.5	1478.4	1456.3
-12.5°	1510.1	1515.7	1518.5	1519.0	1519.3	1517.1	1511.3	1501.4	1487.8	1469.3	1449.6
-15°	1498.3	1504.8	1507.3	1508.0	1508.4	1505.9	1499.6	1489.2	1475.4	1460.0	1440.3
-17.5°	1483.2	1490.7	1493.5	1494.3	1493.6	1490.6	1483.6	1474.6	1461.1	1445.5	1426.9
-20°	1465.0	1472.4	1474.9	1475.2	1474.4	1471.7	1465.1	1456.3	1442.7	1426.2	1410.2



REPORT NUMBER: P622913 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-25W-7040

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1441.3	1446.5	1449.9	1450.5	1450.6	1448.1	1441.6	1431.6	1417.8	1403.7	1387.2
-25°	1413.5	1419.2	1422.4	1423.0	1423.4	1420.8	1413.8	1404.2	1390.8	1376.3	1362.1
-27.5°	1384.5	1392.2	1395.8	1397.0	1395.8	1392.1	1384.3	1373.3	1363.5	1349.8	1331.7
-30°	1351.6	1357.6	1361.4	1362.7	1361.3	1357.6	1351.7	1343.6	1331.7	1316.5	1299.3
-32.5°	1316.3	1323.2	1327.1	1328.5	1327.8	1324.7	1318.8	1308.8	1295.3	1280.5	1264.0
-35°	1269.0	1276.7	1281.4	1283.2	1282.6	1279.0	1272.2	1263.0	1252.4	1237.5	1218.4
-37.5°	1224.8	1231.2	1235.2	1236.6	1236.1	1233.1	1227.7	1219.5	1206.9	1191.5	1174.5
-40°	1166.7	1173.4	1176.4	1175.5	1177.2	1174.6	1167.7	1156.6	1144.9	1133.3	1120.1
-42.5°	1093.5	1100.5	1104.0	1104.2	1104.4	1101.5	1095.2	1086.5	1079.6	1068.9	1051.9
-45°	1036.6	1042.7	1046.7	1048.3	1047.6	1044.2	1038.5	1030.5	1020.0	1006.7	990.9
-47.5°	975.9	981.0	983.8	984.2	984.2	981.7	976.5	968.6	958.2	946.6	933.0
-50°	909.5	914.8	917.7	917.8	917.9	914.9	909.3	901.7	890.9	875.9	858.7
-52.5°	790.8	794.5	793.4	787.4	792.4	792.2	786.9	776.2	760.3	749.9	744.8
-55°	670.7	674.9	677.1	677.3	676.0	672.8	667.5	660.3	651.7	652.1	643.0
-57.5°	602.3	604.9	606.0	605.0	605.6	604.1	601.4	597.0	586.5	572.6	557.6
-60°	480.1	482.8	483.0	480.9	482.9	482.8	480.1	474.5	465.9	464.2	461.8
-62.5°	411.4	414.1	415.6	415.9	415.6	413.9	410.8	406.5	400.0	393.7	385.5
-65°	308.4	307.0	302.4	295.7	300.3	303.0	302.6	298.6	289.8	282.2	282.2
-67.5°	217.8	220.9	222.4	222.4	221.7	219.5	216.0	211.0	204.8	201.7	202.4
-70°	151.5	153.6	155.2	155.4	155.1	153.4	150.7	147.8	144.9	142.7	138.7
-72.5°	75.3	75.2	74.5	73.0	74.0	74.2	73.8	73.1	72.4	71.9	72.0
-75°	43.0	43.2	43.3	43.2	43.2	43.1	42.9	42.5	41.9	41.4	41.1
-77.5°	31.5	31.6	31.6	31.6	31.6	31.5	31.3	31.0	30.5	30.0	29.7
-80°	21.9	22.0	22.0	21.9	21.9	21.9	21.7	21.6	21.3	21.0	20.7
-82.5°	13.7	13.8	13.8	13.8	13.8	13.7	13.6	13.5	13.4	13.2	13.0
-85°	7.7	7.7	7.7	7.7	7.7	7.7	7.6	7.5	7.5	7.3	7.2
-87.5°	3.4	3.5	3.5	3.5	3.4	3.4	3.4	3.4	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: P622913 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-25W-7040

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	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
82.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.3
80°	4.5	4.2	3.9	3.7	3.4	3.2	2.9	2.6	2.3	2.0	1.6
77.5°	12.5	12.1	11.6	10.9	10.3	9.9	9.2	8.4	7.7	6.9	6.1
75°	24.2	23.5	22.7	21.6	20.5	19.8	18.7	17.4	16.0	14.3	12.8
72.5°	40.9	39.5	37.9	36.4	36.0	35.8	33.4	30.1	27.9	25.5	23.1
70°	64.0	64.0	62.9	60.9	61.7	62.7	61.9	59.5	54.9	47.1	38.8
67.5°	130.0	130.6	122.1	108.3	106.7	108.6	106.1	99.4	92.2	85.5	77.4
65°	239.8	242.1	222.9	200.7	207.5	206.3	184.1	173.3	168.1	140.7	125.7
62.5°	348.9	347.9	336.3	307.4	304.4	300.4	277.0	267.0	250.4	221.4	207.9
60°	479.9	453.3	424.6	424.6	423.8	404.3	378.7	361.5	335.4	312.2	284.1
57.5°	581.0	558.3	552.6	543.8	527.0	505.7	500.5	460.1	432.2	400.9	366.1
55°	714.0	715.2	700.4	659.4	624.1	607.3	589.8	572.8	550.3	477.8	454.0
52.5°	834.5	805.6	785.3	770.3	750.4	713.9	681.7	649.3	618.3	583.4	528.7
50°	908.2	894.2	875.6	846.7	813.6	794.7	770.2	735.1	690.3	643.0	604.9
47.5°	980.7	965.5	942.8	912.5	888.0	857.0	826.1	798.9	751.2	709.6	658.4
45°	1037.0	1018.3	991.4	968.1	942.9	912.5	883.2	841.9	805.2	760.1	714.6
42.5°	1087.0	1063.2	1037.5	1014.8	985.0	957.2	926.0	888.0	845.7	804.7	758.5
40°	1131.8	1105.1	1081.2	1051.8	1025.2	996.8	958.8	923.8	884.8	841.3	797.6
37.5°	1168.7	1144.5	1117.7	1089.0	1059.2	1027.5	993.0	952.7	915.1	874.9	830.6
35°	1202.9	1177.1	1150.5	1120.9	1091.2	1059.6	1021.7	982.6	941.3	900.8	859.1
32.5°	1233.5	1211.0	1182.3	1150.8	1121.1	1089.8	1053.3	1010.0	966.2	924.2	884.6
30°	1263.1	1243.2	1215.8	1183.1	1151.5	1119.4	1082.5	1039.4	991.1	947.9	907.7
27.5°	1293.7	1272.5	1247.9	1215.9	1181.8	1147.6	1111.2	1067.9	1019.4	972.6	929.7
25°	1323.9	1302.1	1274.7	1244.7	1209.9	1174.3	1137.5	1095.2	1048.8	998.4	950.7
22.5°	1352.3	1328.0	1299.8	1268.5	1235.1	1197.6	1159.9	1118.0	1071.6	1022.3	971.7
20°	1375.8	1351.2	1322.0	1290.6	1256.5	1219.4	1180.4	1137.4	1091.4	1044.0	991.8
17.5°	1396.2	1371.4	1342.7	1309.9	1276.3	1239.4	1198.5	1155.0	1107.9	1061.1	1009.8
15°	1414.0	1389.8	1360.5	1328.6	1294.8	1256.5	1215.5	1171.4	1121.8	1074.5	1025.0
12.5°	1428.9	1405.2	1376.6	1345.6	1310.1	1271.7	1229.3	1184.1	1134.6	1085.9	1036.8
10°	1440.9	1416.9	1389.8	1358.2	1323.1	1285.1	1240.8	1195.6	1147.5	1097.2	1046.6
7.5°	1450.8	1426.3	1399.7	1367.9	1333.3	1294.2	1249.0	1204.5	1157.4	1106.4	1054.2
5°	1458.1	1433.1	1405.7	1374.7	1340.4	1300.4	1254.8	1209.8	1164.4	1113.3	1059.8
2.5°	1461.2	1436.1	1409.6	1378.9	1344.8	1303.9	1258.0	1212.3	1168.5	1117.8	1063.2
0°	1461.2	1436.3	1411.0	1380.2	1346.2	1304.6	1258.3	1212.4	1170.0	1119.8	1064.1
-2.5°	1456.6	1433.1	1409.0	1379.5	1344.3	1302.2	1256.8	1212.9	1170.6	1120.1	1064.5
-5°	1449.7	1427.9	1404.5	1376.4	1339.5	1296.8	1252.6	1211.3	1168.7	1117.7	1062.6
-7.5°	1443.9	1422.0	1398.6	1369.7	1331.8	1288.4	1246.4	1207.7	1164.4	1112.6	1058.4
-10°	1437.4	1416.6	1393.2	1362.1	1322.0	1277.9	1238.8	1201.8	1157.8	1104.9	1052.3
-12.5°	1429.4	1410.1	1385.4	1352.6	1312.6	1271.5	1232.3	1194.1	1147.9	1095.0	1045.4
-15°	1420.0	1399.9	1374.0	1340.5	1301.9	1262.9	1225.1	1184.8	1136.5	1083.9	1038.2
-17.5°	1408.4	1385.6	1358.2	1326.3	1290.3	1251.8	1213.9	1173.3	1121.4	1071.9	1027.5
-20°	1391.2	1366.9	1338.4	1306.9	1274.6	1238.1	1200.2	1157.4	1104.3	1057.9	1013.7

Classified

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

Scaled Data Report



REPORT NUMBER: P622913 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-25W-7040

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1368.7	1343.9	1314.5	1285.0	1252.0	1219.3	1184.4	1135.5	1086.9	1042.8	996.9
-25°	1341.7	1316.1	1289.0	1258.1	1228.9	1198.6	1160.4	1110.6	1067.0	1023.7	977.0
-27.5°	1310.3	1287.1	1257.8	1231.7	1205.2	1171.4	1128.1	1086.3	1045.2	1001.8	955.2
-30°	1278.3	1253.3	1228.9	1206.2	1175.1	1137.5	1095.2	1058.2	1019.0	977.7	934.0
-32.5°	1240.7	1218.7	1197.2	1171.4	1139.1	1098.3	1063.9	1027.6	986.9	951.1	907.1
-35°	1199.7	1181.1	1158.8	1128.8	1093.9	1063.2	1029.6	988.1	947.6	915.3	871.9
-37.5°	1159.7	1137.0	1106.5	1075.9	1052.2	1025.2	982.4	938.9	906.6	870.3	829.1
-40°	1100.1	1072.4	1047.3	1026.7	1003.5	965.9	922.5	891.1	859.5	824.4	781.9
-42.5°	1029.3	1010.0	994.2	972.0	939.1	900.7	867.7	841.2	811.4	774.6	733.2
-45°	973.3	954.6	934.9	907.5	878.0	847.3	817.3	790.8	759.0	723.6	676.2
-47.5°	915.2	895.7	874.4	849.9	821.2	790.1	759.9	736.6	705.7	662.1	608.2
-50°	840.8	826.5	807.7	775.2	737.5	709.4	695.2	678.4	635.0	582.0	542.0
-52.5°	737.5	718.7	685.7	659.8	647.6	641.8	626.6	590.5	540.9	510.0	490.6
-55°	627.5	605.5	588.5	587.9	582.5	563.3	523.1	487.2	472.8	456.8	431.2
-57.5°	543.2	534.2	527.7	506.3	479.0	453.0	441.8	431.8	413.4	379.2	352.0
-60°	452.6	438.4	417.2	403.1	398.5	394.3	383.3	354.0	321.9	305.2	290.4
-62.5°	372.1	359.8	351.0	346.2	334.3	314.1	295.0	278.7	263.1	244.5	227.6
-65°	281.3	277.8	272.7	265.4	253.7	242.0	228.2	212.0	196.1	180.7	171.9
-67.5°	201.4	200.1	195.6	185.3	171.6	162.6	158.6	152.0	146.3	128.8	114.4
-70°	131.8	126.5	123.4	120.7	117.2	112.3	103.4	94.6	89.1	85.7	81.6
-72.5°	71.1	69.0	66.9	62.7	57.7	58.6	59.8	59.0	54.2	47.0	40.5
-75°	40.2	39.3	38.4	37.4	36.9	36.7	34.8	32.2	30.6	28.9	27.9
-77.5°	29.3	28.7	28.0	27.2	26.4	25.6	24.7	23.7	22.5	21.2	19.9
-80°	20.4	20.0	19.5	18.9	18.2	17.5	16.7	15.9	15.0	14.2	13.1
-82.5°	12.7	12.4	12.1	11.8	11.4	10.9	10.4	9.9	9.4	8.8	8.2
-85°	7.0	6.8	6.6	6.4	6.2	5.9	5.6	5.3	5.1	4.8	4.5
-87.5°	3.2	3.1	3.0	2.9	2.8	2.7	2.5	2.4	2.3	2.1	2.0
-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: P622913 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-25W-7040

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°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3
80°	1.4	1.1	0.8	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	5.3	4.4	3.6	2.5	1.8	1.3	1.1	0.9	0.7	0.7	0.6
75°	11.0	9.8	8.5	7.2	5.7	4.0	2.5	1.8	1.3	1.0	0.8
72.5°	20.1	17.3	14.7	12.1	10.4	8.4	6.1	3.9	2.5	1.6	1.2
70°	35.9	30.3	23.8	19.9	16.2	12.7	10.0	7.4	4.8	2.9	1.8
67.5°	67.6	56.1	45.4	34.0	24.4	19.0	14.5	10.9	7.8	5.0	2.9
65°	112.2	93.6	79.0	62.6	44.3	29.2	20.7	15.3	11.0	7.6	4.5
62.5°	171.9	150.4	122.6	97.8	77.0	52.8	32.0	20.9	14.9	10.2	6.6
60°	249.5	218.3	182.5	151.0	110.2	83.0	55.4	30.5	19.6	13.5	8.8
57.5°	332.6	290.2	250.1	207.4	163.8	114.6	83.0	51.9	25.4	17.3	11.2
55°	411.7	370.5	321.4	270.2	212.5	160.5	111.9	76.7	43.0	21.8	14.0
52.5°	487.5	445.4	398.0	334.2	265.8	205.8	147.8	101.3	64.3	27.0	17.5
50°	555.3	511.5	467.2	398.6	322.6	251.5	189.2	130.2	85.8	45.6	21.6
47.5°	615.7	566.1	523.5	455.3	377.3	299.8	227.8	163.1	107.0	64.1	27.2
45°	664.7	617.7	561.2	506.4	429.8	347.1	268.0	196.3	133.4	82.4	38.2
42.5°	709.8	662.0	600.2	540.2	474.4	393.1	307.8	229.6	159.3	100.2	53.5
40°	748.6	696.2	639.1	572.2	513.3	433.2	347.3	262.7	183.5	118.8	68.1
37.5°	784.3	729.4	672.0	606.0	540.3	470.1	383.7	294.1	211.3	139.5	82.0
35°	814.2	762.4	702.3	637.9	566.1	503.5	415.6	324.6	237.7	158.6	95.3
32.5°	841.6	790.4	730.7	666.6	593.0	524.9	443.8	355.5	262.9	176.4	107.9
30°	864.6	817.1	757.9	692.0	618.4	544.6	472.9	382.0	286.3	195.0	120.5
27.5°	886.1	839.5	781.9	715.4	642.5	564.0	497.6	406.2	308.0	214.0	134.1
25°	905.1	857.0	804.1	736.8	664.9	584.9	513.9	427.2	329.3	231.5	146.5
22.5°	922.9	873.7	823.6	756.2	684.8	605.0	528.9	446.2	349.2	248.0	157.8
20°	939.9	890.7	839.4	775.3	702.8	623.6	542.2	463.9	366.9	263.0	168.2
17.5°	955.9	903.7	850.7	791.7	719.3	640.2	554.8	479.0	381.8	276.3	177.6
15°	970.4	916.9	861.3	804.8	733.4	654.4	567.4	490.8	395.0	287.8	185.8
12.5°	982.0	928.4	873.5	815.4	744.9	665.3	578.4	498.8	406.3	297.5	193.4
10°	991.0	937.9	883.5	822.9	754.3	673.8	587.6	505.3	414.8	305.7	200.4
7.5°	997.4	945.4	891.0	828.6	761.5	680.3	595.0	510.3	421.2	312.1	206.0
5°	1001.8	950.7	896.2	832.3	766.5	684.7	600.3	513.8	425.8	316.9	210.1
2.5°	1004.0	953.9	899.6	834.2	769.4	687.2	603.5	515.7	428.6	320.0	212.9
0°	1003.9	955.2	901.1	834.2	770.2	687.6	604.6	516.0	429.8	321.4	214.1
-2.5°	1006.5	956.8	902.1	837.0	772.7	690.4	606.3	517.4	431.2	323.1	215.5
-5°	1006.9	956.4	901.2	837.9	773.1	691.1	605.9	517.1	431.1	323.2	215.3
-7.5°	1005.4	953.8	898.6	837.2	771.5	689.6	603.4	515.2	429.3	321.6	213.7
-10°	1002.4	948.8	894.3	834.9	767.6	685.6	598.7	511.5	426.0	318.3	210.6
-12.5°	997.3	941.5	888.4	831.1	761.5	679.2	592.2	506.3	420.8	313.5	206.0
-15°	989.2	932.5	881.3	824.5	753.3	670.6	584.1	499.3	413.5	307.0	200.3
-17.5°	977.1	922.0	872.5	815.8	742.8	660.4	574.4	490.6	404.8	299.0	193.5
-20°	961.3	911.2	862.8	803.3	730.2	648.4	562.3	480.3	395.0	288.5	185.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	944.9	897.1	848.2	787.7	714.6	632.2	547.2	468.5	380.8	276.0	175.1
-25°	928.2	879.1	827.7	764.4	693.4	614.2	531.1	455.0	363.6	261.7	164.8
-27.5°	909.3	857.5	802.1	738.3	667.0	596.6	514.7	440.1	345.4	246.0	154.3
-30°	883.7	831.9	772.3	707.6	639.0	569.9	496.9	423.8	328.0	228.6	142.6
-32.5°	854.1	799.8	739.6	671.1	609.1	539.0	475.4	405.0	308.1	209.8	131.0
-35°	819.5	763.2	701.1	637.8	580.1	512.0	450.1	376.3	284.4	189.6	118.9
-37.5°	778.9	721.7	657.8	604.4	543.7	483.3	422.6	344.5	258.9	169.8	107.1
-40°	733.9	672.9	619.1	570.8	509.8	452.4	388.1	313.7	231.5	151.2	96.3
-42.5°	679.2	625.9	583.3	528.3	475.0	417.9	345.7	277.8	199.8	133.1	84.9
-45°	621.7	584.6	541.6	490.5	437.6	375.4	311.6	240.9	170.0	114.8	72.8
-47.5°	567.5	537.8	497.3	448.2	392.9	328.3	270.5	203.1	144.3	100.7	62.4
-50°	518.2	485.3	448.4	400.2	338.0	288.7	228.1	167.4	122.1	84.7	54.1
-52.5°	463.1	425.8	392.1	339.6	295.0	242.0	185.1	139.1	100.8	68.2	46.3
-55°	393.5	365.2	325.4	290.4	245.2	194.8	149.9	115.4	80.2	57.6	38.3
-57.5°	330.7	298.7	271.9	237.1	194.2	153.0	123.0	87.6	62.6	47.2	29.8
-60°	266.1	243.7	215.2	182.4	149.0	124.2	91.9	65.8	51.1	36.9	20.6
-62.5°	207.2	188.1	159.3	136.6	120.5	89.3	64.9	51.6	40.0	26.5	11.4
-65°	153.6	131.4	118.2	108.2	77.4	59.4	49.2	39.9	29.0	16.3	9.4
-67.5°	105.9	99.0	81.7	62.1	50.9	44.3	37.2	28.5	18.1	10.7	7.5
-70°	68.2	55.2	45.9	42.3	38.0	32.6	25.6	17.2	11.4	8.4	5.7
-72.5°	37.1	35.8	33.7	30.8	26.6	21.2	14.4	11.4	8.7	6.3	4.3
-75°	27.2	25.7	23.2	19.8	15.5	13.2	10.7	8.4	6.4	4.6	3.2
-77.5°	18.3	16.0	14.4	12.7	11.1	9.4	7.6	6.0	4.5	3.3	2.3
-80°	12.0	10.8	9.6	8.5	7.5	6.4	5.2	4.1	3.1	2.3	1.6
-82.5°	7.4	6.7	6.0	5.4	4.7	4.1	3.3	2.6	2.0	1.6	1.2
-85°	4.1	3.7	3.3	2.9	2.6	2.3	1.9	1.6	1.3	1.1	0.9
-87.5°	1.8	1.7	1.5	1.4	1.2	1.1	1.0	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°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.3	0.3	0.3	0.2	0.1	0.1	0.0
82.5°	0.3	0.3	0.3	0.3	0.2	0.1	0.0
80°	0.4	0.4	0.3	0.3	0.3	0.1	0.0
77.5°	0.5	0.5	0.4	0.4	0.3	0.2	0.0
75°	0.7	0.6	0.5	0.4	0.3	0.2	0.0
72.5°	0.9	0.7	0.5	0.4	0.4	0.2	0.0
70°	1.2	0.8	0.6	0.5	0.4	0.3	0.0
67.5°	1.8	1.1	0.7	0.5	0.4	0.3	0.0
65°	2.5	1.5	0.8	0.6	0.5	0.3	0.0
62.5°	3.5	2.0	1.1	0.6	0.5	0.3	0.0
60°	5.1	2.6	1.3	0.7	0.5	0.3	0.0
57.5°	6.9	3.5	1.7	0.8	0.5	0.4	0.0
55°	8.7	4.5	2.1	0.9	0.6	0.4	0.0
52.5°	10.5	5.9	2.6	1.1	0.6	0.4	0.0
50°	12.7	7.2	3.2	1.2	0.6	0.4	0.0
47.5°	15.0	8.6	3.9	1.4	0.7	0.4	0.0
45°	18.4	9.8	4.6	1.7	0.7	0.4	0.0
42.5°	21.9	11.3	5.5	2.0	0.7	0.4	0.0
40°	27.9	12.8	6.5	2.3	0.7	0.5	0.0
37.5°	34.1	14.2	7.3	2.6	0.8	0.5	0.0
35°	43.5	16.5	8.2	2.9	0.8	0.5	0.0
32.5°	54.1	19.2	9.0	3.3	0.9	0.5	0.0
30°	64.1	21.9	9.7	3.7	1.0	0.5	0.0
27.5°	73.4	25.1	10.4	4.0	1.1	0.5	0.0
25°	81.9	30.0	11.1	4.4	1.1	0.5	0.0
22.5°	89.8	34.6	11.8	4.7	1.2	0.5	0.0
20°	97.0	39.2	12.5	5.0	1.3	0.5	0.0
17.5°	103.6	43.5	13.1	5.3	1.3	0.5	0.0
15°	109.4	47.9	13.6	5.7	1.4	0.5	0.0
12.5°	114.5	52.2	14.0	5.9	1.4	0.5	0.0
10°	118.8	55.9	14.3	6.2	1.4	0.5	0.0
7.5°	122.3	58.9	14.6	6.4	1.5	0.5	0.0
5°	125.1	61.3	14.8	6.5	1.5	0.5	0.0
2.5°	127.1	63.1	14.9	6.6	1.5	0.5	0.0
0°	128.3	64.3	15.0	6.6	1.5	0.5	0.0
-2.5°	128.7	64.6	15.7	6.7	1.5	0.6	0.0
-5°	128.4	64.3	16.3	6.7	1.5	0.6	0.0
-7.5°	127.2	63.4	16.8	6.7	1.6	0.6	0.0
-10°	125.2	61.9	17.2	6.6	1.6	0.6	0.0
-12.5°	122.4	59.8	17.4	6.4	1.6	0.6	0.0
-15°	118.7	57.2	17.5	6.3	1.6	0.6	0.0
-17.5°	114.2	54.1	17.3	6.0	1.5	0.6	0.0
-20°	108.8	50.9	17.0	5.8	1.5	0.6	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	103.2	47.2	16.5	5.5	1.5	0.6	0.0
-25°	97.3	43.2	15.7	5.3	1.4	0.6	0.0
-27.5°	90.8	38.9	14.8	5.0	1.4	0.6	0.0
-30°	83.7	35.9	13.7	4.7	1.3	0.6	0.0
-32.5°	75.9	33.0	12.3	4.4	1.2	0.6	0.0
-35°	67.6	29.9	10.7	4.0	1.1	0.6	0.0
-37.5°	59.6	26.8	9.2	3.6	1.1	0.5	0.0
-40°	52.7	24.2	8.4	3.4	1.0	0.5	0.0
-42.5°	45.7	21.2	7.6	3.0	1.0	0.5	0.0
-45°	40.4	17.9	6.7	2.7	1.0	0.5	0.0
-47.5°	34.7	14.2	6.0	2.4	0.9	0.5	0.0
-50°	29.3	10.2	5.3	2.1	0.9	0.5	0.0
-52.5°	23.5	8.9	4.5	1.9	0.8	0.5	0.0
-55°	17.4	7.6	3.9	1.7	0.8	0.4	0.0
-57.5°	10.8	6.5	3.3	1.4	0.8	0.4	0.0
-60°	9.1	5.4	2.7	1.3	0.7	0.4	0.0
-62.5°	7.5	4.4	2.3	1.2	0.7	0.4	0.0
-65°	6.1	3.6	1.9	1.0	0.7	0.4	0.0
-67.5°	4.8	2.8	1.6	0.9	0.6	0.3	0.0
-70°	3.6	2.2	1.3	0.9	0.6	0.3	0.0
-72.5°	2.8	1.7	1.1	0.8	0.5	0.3	0.0
-75°	2.0	1.4	1.0	0.7	0.5	0.2	0.0
-77.5°	1.5	1.1	0.9	0.6	0.4	0.2	0.0
-80°	1.2	1.0	0.7	0.5	0.3	0.2	0.0
-82.5°	1.0	0.8	0.6	0.4	0.3	0.1	0.0
-85°	0.7	0.6	0.4	0.3	0.2	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)