

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208860

Luminaire Tested: UPW-SA2-070-750-U-SLR

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-750-U-SLR
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR
RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9341 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

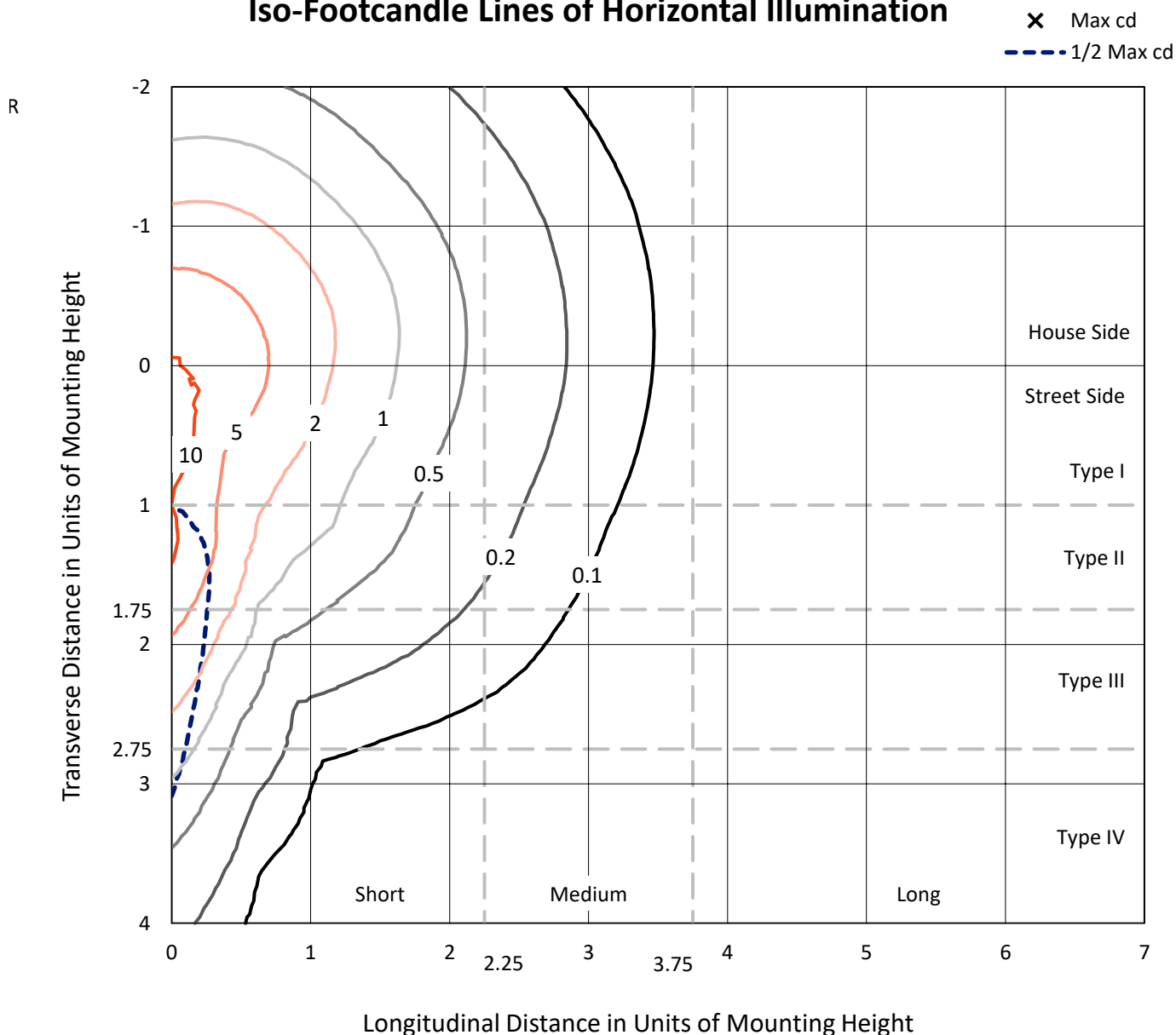
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination



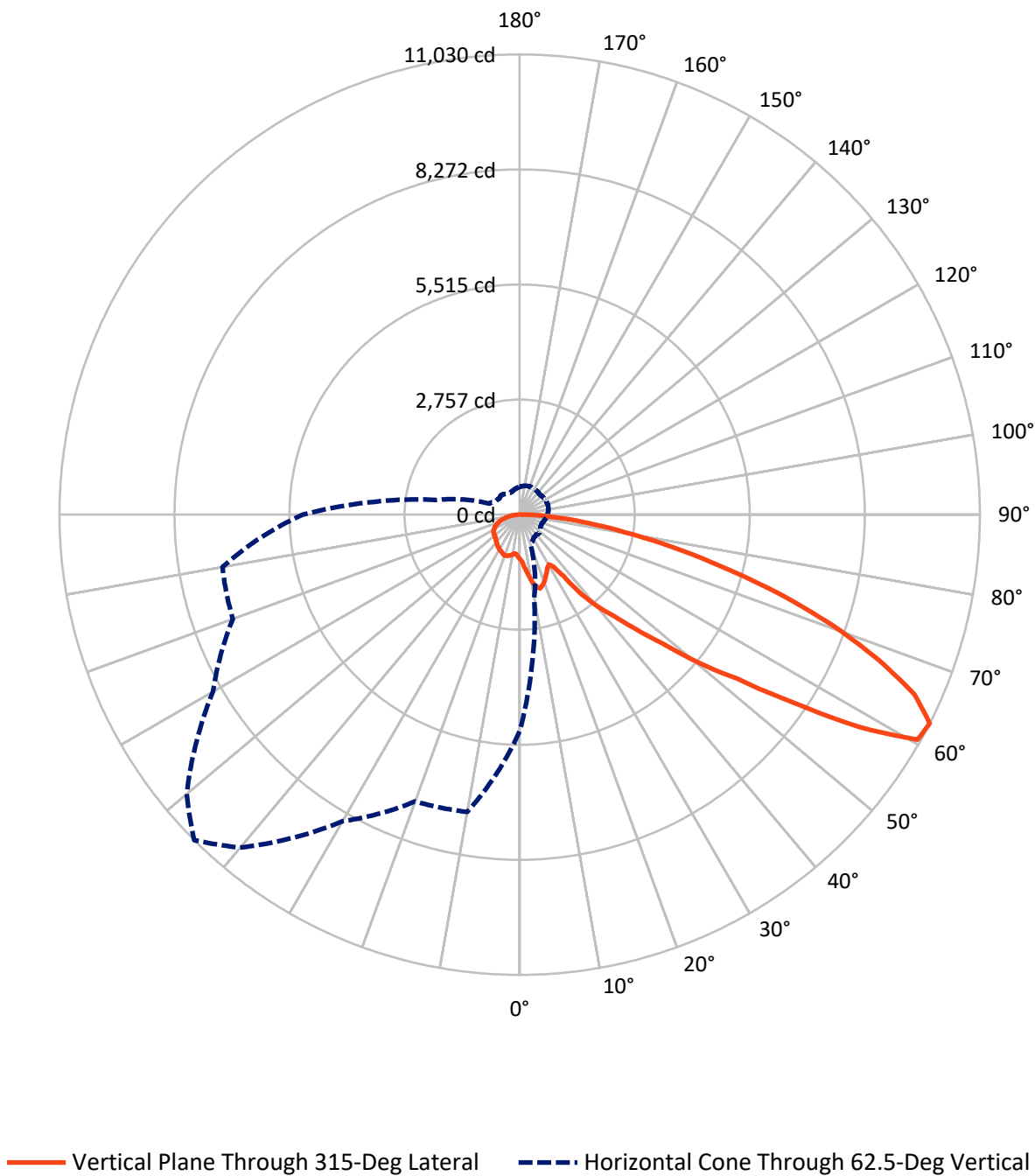
Based on 10 foot mounting height. Maximum calculated value = 14.2 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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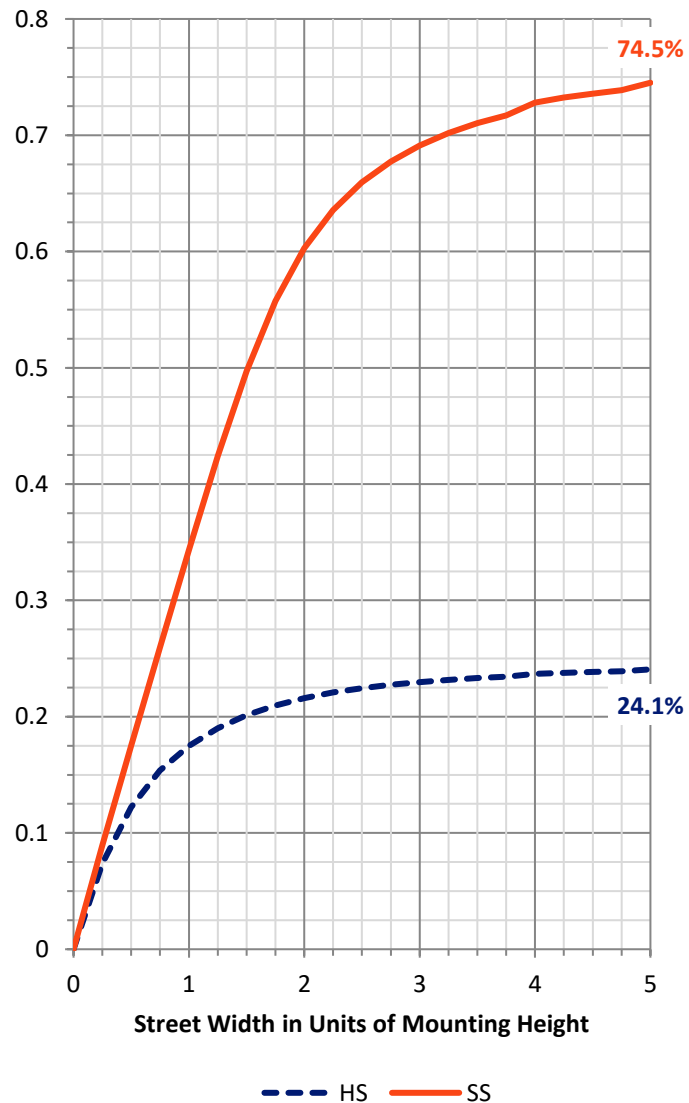
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2289.2	0.0	2289.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	7051.8	0.0	7051.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	9341.0	0.0	9341.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	1.1
10°-20°	358.4	3.8
20°-30°	582.9	6.2
30°-40°	795.0	8.5
40°-50°	1203.7	12.9
50°-60°	2069.9	22.2
60°-70°	2427.5	26.0
70°-80°	1447.8	15.5
80°-90°	349.7	3.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9341.0	100.0
0°-180°	9341.0	100.0

Coefficient of Utilization



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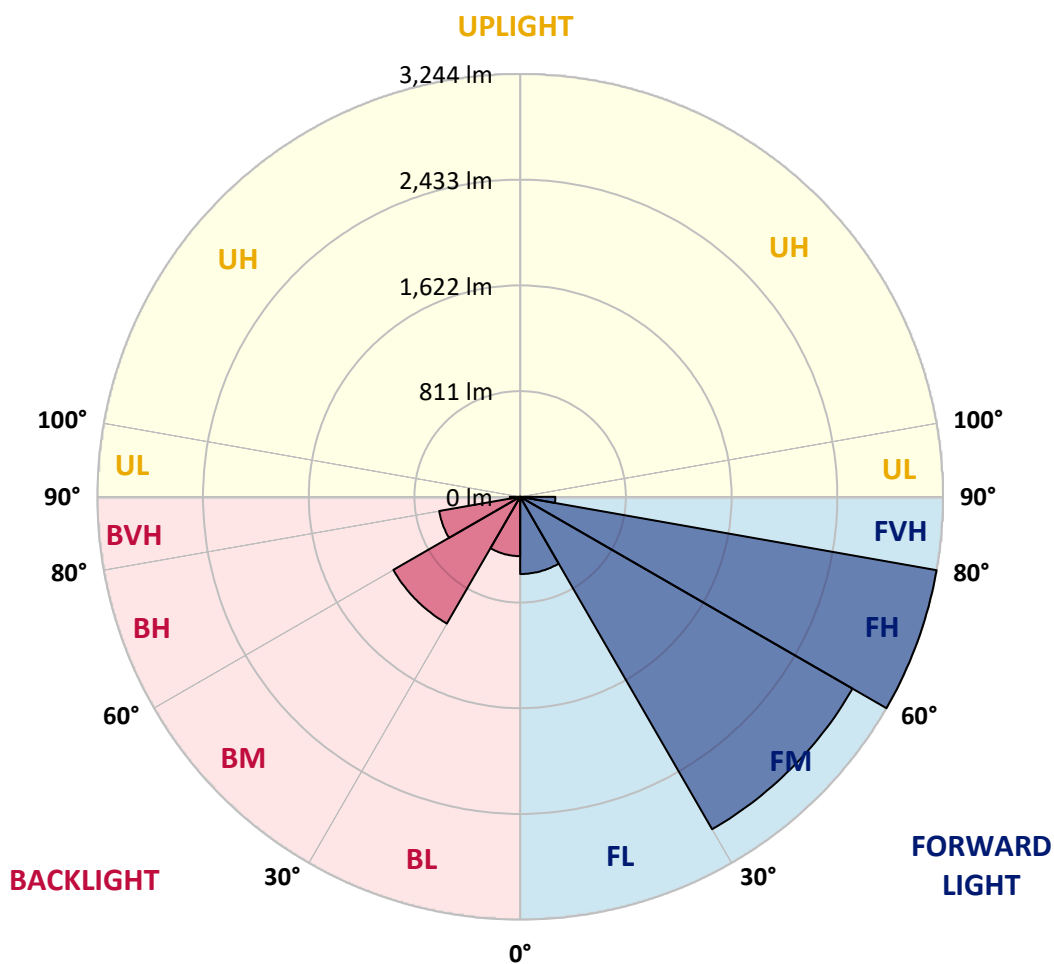
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	592.1	6.3			
FM	(30°-60°)	2945.1	31.5			
FH	(60°-80°)	3244.4	34.7			G2/5000
FVH	(80°-90°)	270.2	2.9			G3/500
BL	(0°-30°)	455.4	4.9	B1/500		
BM	(30°-60°)	1123.6	12.0	B2/2500		
BH	(60°-80°)	630.8	6.8	B2/1000		G2/1000
BVH	(80°-90°)	79.5	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7
2.5°	1108.6	1105.7	1104.6	1100.8	1096.9	1089.9	1083.0	1078.1	1073.1	1067.4	1058.3
5°	1185.9	1177.2	1165.2	1148.2	1131.1	1115.0	1099.0	1085.5	1072.1	1060.1	1048.9
7.5°	1290.8	1251.5	1218.4	1191.2	1163.9	1138.1	1112.3	1092.4	1072.6	1053.8	1035.3
10°	1367.0	1334.5	1296.0	1249.6	1203.4	1167.3	1131.4	1109.2	1087.2	1070.0	1040.8
12.5°	1459.4	1409.4	1355.0	1299.0	1243.1	1197.6	1152.2	1120.2	1088.3	1064.2	1052.0
15°	1550.7	1489.8	1421.3	1347.6	1273.8	1216.1	1158.5	1121.8	1085.1	1060.1	1053.1
17.5°	1651.4	1562.4	1474.5	1387.2	1299.9	1224.9	1149.8	1106.7	1063.7	1039.2	1050.6
20°	1722.9	1633.1	1537.9	1432.0	1326.0	1231.6	1137.0	1085.0	1032.9	1008.9	1014.0
22.5°	1775.7	1681.8	1579.4	1456.8	1334.1	1222.2	1110.2	1051.3	992.5	968.7	989.3
25°	1847.2	1734.8	1615.1	1472.4	1329.7	1202.1	1074.7	1014.7	954.6	934.8	955.7
27.5°	1893.1	1791.9	1676.5	1515.8	1355.2	1207.2	1059.0	992.5	925.9	904.5	924.7
30°	1959.9	1855.8	1732.9	1552.8	1372.7	1210.0	1047.2	977.3	907.4	884.2	890.8
32.5°	2027.2	1915.0	1781.1	1576.8	1372.5	1196.1	1019.7	954.0	888.4	867.5	873.9
35°	2082.6	1972.3	1831.0	1598.8	1366.7	1176.4	986.0	925.8	865.6	849.7	847.7
37.5°	2179.6	2047.9	1880.0	1615.9	1351.8	1147.0	942.1	884.7	827.3	815.8	811.4
40°	2314.8	2169.9	1967.9	1654.8	1341.6	1118.6	895.7	840.2	784.8	780.8	777.7
42.5°	2503.3	2303.6	2049.4	1691.7	1334.1	1095.0	856.0	802.9	749.7	742.2	733.9
45°	2826.3	2519.5	2162.4	1742.4	1322.4	1076.1	829.9	776.4	722.9	701.0	700.7
47.5°	3367.1	2881.2	2344.4	1823.2	1301.9	1056.5	811.1	762.7	714.2	679.6	666.6
50°	4082.1	3398.9	2635.6	1965.9	1296.3	1049.3	802.5	758.1	713.8	662.9	638.4
52.5°	4739.8	3850.4	2871.2	2075.3	1279.3	1031.3	783.1	748.9	714.5	663.9	630.8
55°	5310.3	4153.6	2967.6	2103.9	1240.1	994.0	747.9	735.3	722.6	692.6	634.7
57.5°	5721.6	4197.8	2790.1	1969.9	1149.8	938.4	726.8	718.8	710.9	711.4	646.0
60°	5651.1	3936.7	2400.1	1678.4	956.4	834.1	711.7	687.8	663.9	686.9	648.3
62.5°	5191.8	3504.8	2016.0	1394.7	773.5	715.5	657.4	638.3	619.2	646.2	632.4
65°	4620.8	3025.2	1654.8	1134.7	614.6	603.2	591.7	587.5	583.3	590.3	598.2
67.5°	3964.2	2520.7	1319.7	892.7	465.8	476.1	486.5	506.7	527.0	529.8	548.0
70°	3399.4	2065.5	1014.9	693.6	372.1	386.2	400.3	430.3	460.4	475.0	491.4
72.5°	2725.6	1593.8	743.3	523.2	303.3	315.5	327.8	361.7	395.6	427.5	445.1
75°	2005.3	1147.0	524.0	386.9	249.7	258.8	267.8	299.2	330.7	371.1	389.5
77.5°	1390.5	790.0	365.6	285.0	204.4	208.8	213.2	241.8	270.4	317.9	337.0
80°	766.7	454.7	235.9	196.8	157.6	160.7	163.7	187.5	211.4	253.7	275.9
82.5°	379.5	242.5	148.4	132.5	116.4	118.1	119.8	137.9	156.1	186.3	210.2
85°	149.3	109.6	83.3	78.9	74.6	75.6	76.4	87.8	99.2	118.0	142.2
87.5°	53.8	41.8	34.7	33.2	31.5	30.5	29.4	35.3	40.9	51.2	80.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7
2.5°	1053.7	1049.1	1044.7	1040.2	1036.1	1031.9	1028.8	1025.6	1019.5	1013.4	1010.0
5°	1036.4	1023.8	1013.0	1002.1	995.4	988.6	981.3	974.0	968.3	962.7	958.3
7.5°	1020.6	1005.8	993.8	981.8	972.0	962.3	955.3	948.4	947.0	945.8	942.8
10°	1025.2	1009.7	998.0	986.3	977.3	968.5	963.6	958.8	957.2	955.7	955.6
12.5°	1044.8	1037.6	1029.2	1020.7	1011.7	1003.0	1003.3	1003.7	996.1	988.6	986.6
15°	1055.5	1058.0	1060.7	1063.5	1061.1	1058.7	1050.1	1041.3	1032.3	1023.2	1020.3
17.5°	1058.9	1067.1	1079.6	1092.1	1097.3	1102.6	1092.3	1082.0	1067.5	1053.1	1046.2
20°	1033.5	1052.8	1076.4	1100.1	1108.7	1117.5	1107.6	1097.7	1081.5	1065.3	1054.5
22.5°	1013.1	1036.8	1061.5	1086.2	1093.9	1101.5	1096.0	1090.3	1072.9	1055.4	1043.8
25°	979.1	1002.3	1026.1	1049.9	1060.7	1071.6	1070.2	1068.9	1050.8	1032.6	1019.9
27.5°	944.3	964.0	984.9	1005.8	1017.9	1030.1	1031.8	1033.5	1019.9	1006.3	994.4
30°	904.3	917.8	936.2	954.3	966.9	979.4	983.8	988.0	979.4	970.8	962.7
32.5°	879.6	885.2	898.3	911.3	923.2	935.1	941.7	948.4	946.9	945.6	942.4
35°	847.4	847.1	853.0	858.9	869.7	880.5	893.4	906.1	907.8	909.4	910.7
37.5°	807.8	804.0	807.9	811.6	821.0	830.4	843.7	857.0	866.5	876.0	880.4
40°	772.5	767.3	767.7	768.1	776.6	785.0	797.5	810.1	827.7	845.3	855.1
42.5°	731.4	728.8	727.5	726.0	733.2	740.3	759.3	778.2	798.0	817.6	826.2
45°	695.0	689.5	691.5	693.4	702.4	711.4	727.8	744.3	766.8	789.4	800.1
47.5°	663.7	660.8	663.9	667.0	676.2	685.3	705.5	725.5	747.5	769.6	780.9
50°	636.7	634.9	643.9	652.6	663.1	673.5	691.0	708.3	731.8	755.3	770.9
52.5°	626.2	621.6	634.7	647.7	655.7	663.7	680.0	696.3	722.0	747.6	762.9
55°	619.8	604.9	620.9	636.8	646.4	656.1	674.1	692.1	715.0	737.8	752.4
57.5°	617.6	589.3	604.9	620.6	637.3	654.0	672.3	690.5	713.9	737.2	749.7
60°	615.3	582.3	591.4	600.4	624.4	648.3	665.5	682.7	704.4	726.0	734.7
62.5°	604.4	576.4	575.4	574.3	600.0	625.5	645.2	665.0	684.7	704.4	710.5
65°	579.9	561.6	553.5	545.4	568.0	590.6	611.6	632.6	648.9	665.2	672.7
67.5°	538.0	528.0	521.7	515.5	537.5	559.5	575.7	591.9	608.1	624.2	630.4
70°	492.7	494.0	489.4	484.6	500.9	516.9	537.7	558.5	567.5	576.4	579.9
72.5°	445.1	445.2	443.0	440.7	456.7	472.7	486.3	500.0	508.5	516.9	520.9
75°	391.3	393.0	391.6	390.2	403.9	417.6	430.1	442.6	451.8	460.9	463.3
77.5°	341.2	345.5	343.9	342.2	350.5	358.9	364.2	369.5	380.0	390.4	392.4
80°	282.2	288.3	287.9	287.3	291.2	295.2	296.6	298.0	305.8	313.4	315.5
82.5°	219.9	229.7	236.8	243.7	246.4	249.0	237.5	226.0	232.2	238.2	243.0
85°	160.1	178.0	191.0	204.1	196.4	188.7	159.1	129.4	141.1	152.9	160.8
87.5°	98.9	117.1	123.8	130.5	120.2	109.8	88.1	66.3	75.8	85.4	93.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7
2.5°	1006.5	1005.4	1004.2	1006.7	1009.2	1012.6	1009.2	1006.7	1004.2	1005.4	1006.5
5°	953.9	952.0	950.2	950.8	951.2	951.0	951.2	950.8	950.2	952.0	953.9
7.5°	940.0	939.7	939.5	940.3	941.1	937.4	941.1	940.3	939.5	939.7	940.0
10°	955.4	958.3	961.2	963.6	966.1	964.6	966.1	963.6	961.2	958.3	955.4
12.5°	984.6	988.4	991.9	993.3	994.6	991.7	994.6	993.3	991.9	988.4	984.6
15°	1017.3	1017.0	1016.8	1015.5	1014.1	1012.6	1014.1	1015.5	1016.8	1017.0	1017.3
17.5°	1039.5	1036.5	1033.5	1032.0	1030.5	1032.4	1030.5	1032.0	1033.5	1036.5	1039.5
20°	1043.9	1042.3	1040.8	1040.7	1040.6	1039.7	1040.6	1040.7	1040.8	1042.3	1043.9
22.5°	1032.2	1027.3	1022.5	1024.6	1026.7	1033.5	1026.7	1024.6	1022.5	1027.3	1032.2
25°	1007.1	1004.7	1002.3	1001.7	1001.1	998.0	1001.1	1001.7	1002.3	1004.7	1007.1
27.5°	982.5	980.4	978.3	981.0	983.6	985.4	983.6	981.0	978.3	980.4	982.5
30°	954.6	955.1	955.4	959.4	963.5	970.8	963.5	959.4	955.4	955.1	954.6
32.5°	939.3	935.1	930.9	932.3	933.8	939.5	933.8	932.3	930.9	935.1	939.3
35°	911.8	911.8	911.8	915.3	918.6	925.9	918.6	915.3	911.8	911.8	911.8
37.5°	884.7	888.1	891.5	892.9	894.4	894.6	894.4	892.9	891.5	888.1	884.7
40°	864.9	865.3	865.6	863.5	861.4	862.3	861.4	863.5	865.6	865.3	864.9
42.5°	834.9	838.7	842.4	843.4	844.3	846.6	844.3	843.4	842.4	838.7	834.9
45°	810.9	812.8	814.8	814.2	813.7	811.1	813.7	814.2	814.8	812.8	810.9
47.5°	792.3	794.0	795.7	797.0	798.4	800.7	798.4	797.0	795.7	794.0	792.3
50°	786.6	786.1	785.5	781.4	777.2	775.6	777.2	781.4	785.5	786.1	786.6
52.5°	777.9	779.3	780.6	778.2	775.8	776.7	775.8	778.2	780.6	779.3	777.9
55°	767.1	768.5	770.2	765.6	761.0	757.9	761.0	765.6	770.2	768.5	767.1
57.5°	762.2	759.4	756.6	753.1	749.5	750.6	749.5	753.1	756.6	759.4	762.2
60°	743.3	739.9	736.5	728.7	721.1	715.1	721.1	728.7	736.5	739.9	743.3
62.5°	716.6	713.4	710.1	701.4	692.6	681.7	692.6	701.4	710.1	713.4	716.6
65°	680.1	674.8	669.3	660.7	651.9	646.2	651.9	660.7	669.3	674.8	680.1
67.5°	636.6	630.6	624.8	613.3	601.8	592.9	601.8	613.3	624.8	630.6	636.6
70°	583.3	577.7	572.1	564.7	557.4	551.2	557.4	564.7	572.1	577.7	583.3
72.5°	524.9	518.6	512.3	502.5	492.7	486.5	492.7	502.5	512.3	518.6	524.9
75°	465.6	457.7	449.9	439.7	429.6	420.7	429.6	439.7	449.9	457.7	465.6
77.5°	394.4	388.4	382.6	373.1	363.5	354.9	363.5	373.1	382.6	388.4	394.4
80°	317.6	314.7	311.9	304.0	296.3	285.0	296.3	304.0	311.9	314.7	317.6
82.5°	247.6	246.4	245.1	238.5	232.0	222.3	232.0	238.5	245.1	246.4	247.6
85°	168.6	169.9	171.2	166.6	162.0	154.5	162.0	166.6	171.2	169.9	168.6
87.5°	101.0	95.9	90.8	80.4	69.9	58.5	69.9	80.4	90.8	95.9	101.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7
2.5°	1010.0	1013.4	1019.5	1025.6	1028.8	1031.9	1036.1	1040.2	1044.7	1049.1	1053.7
5°	958.3	962.7	968.3	974.0	981.3	988.6	995.4	1002.1	1013.0	1023.8	1036.4
7.5°	942.8	945.8	947.0	948.4	955.3	962.3	972.0	981.8	993.8	1005.8	1020.6
10°	955.6	955.7	957.2	958.8	963.6	968.5	977.3	986.3	998.0	1009.7	1025.2
12.5°	986.6	988.6	996.1	1003.7	1003.3	1003.0	1011.7	1020.7	1029.2	1037.6	1044.8
15°	1020.3	1023.2	1032.3	1041.3	1050.1	1058.7	1061.1	1063.5	1060.7	1058.0	1055.5
17.5°	1046.2	1053.1	1067.5	1082.0	1092.3	1102.6	1097.3	1092.1	1079.6	1067.1	1058.9
20°	1054.5	1065.3	1081.5	1097.7	1107.6	1117.5	1108.7	1100.1	1076.4	1052.8	1033.5
22.5°	1043.8	1055.4	1072.9	1090.3	1096.0	1101.5	1093.9	1086.2	1061.5	1036.8	1013.1
25°	1019.9	1032.6	1050.8	1068.9	1070.2	1071.6	1060.7	1049.9	1026.1	1002.3	979.1
27.5°	994.4	1006.3	1019.9	1033.5	1031.8	1030.1	1017.9	1005.8	984.9	964.0	944.3
30°	962.7	970.8	979.4	988.0	983.8	979.4	966.9	954.3	936.2	917.8	904.3
32.5°	942.4	945.6	946.9	948.4	941.7	935.1	923.2	911.3	898.3	885.2	879.6
35°	910.7	909.4	907.8	906.1	893.4	880.5	869.7	858.9	853.0	847.1	847.4
37.5°	880.4	876.0	866.5	857.0	843.7	830.4	821.0	811.6	807.9	804.0	807.8
40°	855.1	845.3	827.7	810.1	797.5	785.0	776.6	768.1	767.7	767.3	772.5
42.5°	826.2	817.6	798.0	778.2	759.3	740.3	733.2	726.0	727.5	728.8	731.4
45°	800.1	789.4	766.8	744.3	727.8	711.4	702.4	693.4	691.5	689.5	695.0
47.5°	780.9	769.6	747.5	725.5	705.5	685.3	676.2	667.0	663.9	660.8	663.7
50°	770.9	755.3	731.8	708.3	691.0	673.5	663.1	652.6	643.9	634.9	636.7
52.5°	762.9	747.6	722.0	696.3	680.0	663.7	655.7	647.7	634.7	621.6	626.2
55°	752.4	737.8	715.0	692.1	674.1	656.1	646.4	636.8	620.9	604.9	619.8
57.5°	749.7	737.2	713.9	690.5	672.3	654.0	637.3	620.6	604.9	589.3	617.6
60°	734.7	726.0	704.4	682.7	665.5	648.3	624.4	600.4	591.4	582.3	615.3
62.5°	710.5	704.4	684.7	665.0	645.2	625.5	600.0	574.3	575.4	576.4	604.4
65°	672.7	665.2	648.9	632.6	611.6	590.6	568.0	545.4	553.5	561.6	579.9
67.5°	630.4	624.2	608.1	591.9	575.7	559.5	537.5	515.5	521.7	528.0	538.0
70°	579.9	576.4	567.5	558.5	537.7	516.9	500.9	484.6	489.4	494.0	492.7
72.5°	520.9	516.9	508.5	500.0	486.3	472.7	456.7	440.7	443.0	445.2	445.1
75°	463.3	460.9	451.8	442.6	430.1	417.6	403.9	390.2	391.6	393.0	391.3
77.5°	392.4	390.4	380.0	369.5	364.2	358.9	350.5	342.2	343.9	345.5	341.2
80°	315.5	313.4	305.8	298.0	296.6	295.2	291.2	287.3	287.9	288.3	282.2
82.5°	243.0	238.2	232.2	226.0	237.5	249.0	246.4	243.7	236.8	229.7	219.9
85°	160.8	152.9	141.1	129.4	159.1	188.7	196.4	204.1	191.0	178.0	160.1
87.5°	93.1	85.4	75.8	66.3	88.1	109.8	120.2	130.5	123.8	117.1	98.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7
2.5°	1058.3	1067.4	1073.1	1078.1	1083.0	1089.9	1096.9	1100.8	1104.6	1105.7	1108.6
5°	1048.9	1060.1	1072.1	1085.5	1099.0	1115.0	1131.1	1148.2	1165.2	1177.2	1185.9
7.5°	1035.3	1053.8	1072.6	1092.4	1112.3	1138.1	1163.9	1191.2	1218.4	1251.5	1290.8
10°	1040.8	1070.0	1087.2	1109.2	1131.4	1167.3	1203.4	1249.6	1296.0	1334.5	1367.0
12.5°	1052.0	1064.2	1088.3	1120.2	1152.2	1197.6	1243.1	1299.0	1355.0	1409.4	1459.4
15°	1053.1	1060.1	1085.1	1121.8	1158.5	1216.1	1273.8	1347.6	1421.3	1489.8	1550.7
17.5°	1050.6	1039.2	1063.7	1106.7	1149.8	1224.9	1299.9	1387.2	1474.5	1562.4	1651.4
20°	1014.0	1008.9	1032.9	1085.0	1137.0	1231.6	1326.0	1432.0	1537.9	1633.1	1722.9
22.5°	989.3	968.7	992.5	1051.3	1110.2	1222.2	1334.1	1456.8	1579.4	1681.8	1775.7
25°	955.7	934.8	954.6	1014.7	1074.7	1202.1	1329.7	1472.4	1615.1	1734.8	1847.2
27.5°	924.7	904.5	925.9	992.5	1059.0	1207.2	1355.2	1515.8	1676.5	1791.9	1893.1
30°	890.8	884.2	907.4	977.3	1047.2	1210.0	1372.7	1552.8	1732.9	1855.8	1959.9
32.5°	873.9	867.5	888.4	954.0	1019.7	1196.1	1372.5	1576.8	1781.1	1915.0	2027.2
35°	847.7	849.7	865.6	925.8	986.0	1176.4	1366.7	1598.8	1831.0	1972.3	2082.6
37.5°	811.4	815.8	827.3	884.7	942.1	1147.0	1351.8	1615.9	1880.0	2047.9	2179.6
40°	777.7	780.8	784.8	840.2	895.7	1118.6	1341.6	1654.8	1967.9	2169.9	2314.8
42.5°	733.9	742.2	749.7	802.9	856.0	1095.0	1334.1	1691.7	2049.4	2303.6	2503.3
45°	700.7	701.0	722.9	776.4	829.9	1076.1	1322.4	1742.4	2162.4	2519.5	2826.3
47.5°	666.6	679.6	714.2	762.7	811.1	1056.5	1301.9	1823.2	2344.4	2881.2	3367.1
50°	638.4	662.9	713.8	758.1	802.5	1049.3	1296.3	1965.9	2635.6	3398.9	4082.1
52.5°	630.8	663.9	714.5	748.9	783.1	1031.3	1279.3	2075.3	2871.2	3850.4	4739.8
55°	634.7	692.6	722.6	735.3	747.9	994.0	1240.1	2103.9	2967.6	4153.6	5310.3
57.5°	646.0	711.4	710.9	718.8	726.8	938.4	1149.8	1969.9	2790.1	4197.8	5721.6
60°	648.3	686.9	663.9	687.8	711.7	834.1	956.4	1678.4	2400.1	3936.7	5651.1
62.5°	632.4	646.2	619.2	638.3	657.4	715.5	773.5	1394.7	2016.0	3504.8	5191.8
65°	598.2	590.3	583.3	587.5	591.7	603.2	614.6	1134.7	1654.8	3025.2	4620.8
67.5°	548.0	529.8	527.0	506.7	486.5	476.1	465.8	892.7	1319.7	2520.7	3964.2
70°	491.4	475.0	460.4	430.3	400.3	386.2	372.1	693.6	1014.9	2065.5	3399.4
72.5°	445.1	427.5	395.6	361.7	327.8	315.5	303.3	523.2	743.3	1593.8	2725.6
75°	389.5	371.1	330.7	299.2	267.8	258.8	249.7	386.9	524.0	1147.0	2005.3
77.5°	337.0	317.9	270.4	241.8	213.2	208.8	204.4	285.0	365.6	790.0	1390.5
80°	275.9	253.7	211.4	187.5	163.7	160.7	157.6	196.8	235.9	454.7	766.7
82.5°	210.2	186.3	156.1	137.9	119.8	118.1	116.4	132.5	148.4	242.5	379.5
85°	142.2	118.0	99.2	87.8	76.4	75.6	74.6	78.9	83.3	109.6	149.3
87.5°	80.6	51.2	40.9	35.3	29.4	30.5	31.5	33.2	34.7	41.8	53.8
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7
2.5°	1113.3	1118.0	1120.0	1122.0	1123.9	1125.8	1127.3	1128.9	1125.3	1128.9	1127.3
5°	1200.5	1215.1	1227.7	1240.4	1250.0	1259.5	1264.2	1269.0	1276.7	1269.0	1264.2
7.5°	1310.7	1330.8	1358.2	1385.8	1404.5	1423.0	1431.2	1439.3	1441.6	1439.3	1431.2
10°	1418.1	1469.3	1499.7	1530.1	1552.4	1574.7	1593.8	1613.0	1634.7	1613.0	1593.8
12.5°	1517.6	1575.8	1619.6	1663.4	1691.6	1719.8	1738.7	1757.7	1764.2	1757.7	1738.7
15°	1614.3	1677.7	1718.9	1760.0	1781.9	1803.8	1813.2	1822.6	1834.1	1822.6	1813.2
17.5°	1699.0	1746.6	1773.8	1800.9	1801.9	1802.8	1791.0	1779.2	1776.7	1779.2	1791.0
20°	1762.3	1801.8	1802.3	1802.8	1779.3	1755.8	1735.4	1715.0	1705.7	1715.0	1735.4
22.5°	1802.7	1829.7	1801.9	1774.1	1721.9	1669.7	1640.1	1610.4	1602.4	1610.4	1640.1
25°	1851.3	1855.5	1798.8	1742.3	1669.4	1596.6	1558.6	1520.5	1511.6	1520.5	1558.6
27.5°	1879.9	1866.7	1780.8	1694.8	1609.3	1523.9	1480.6	1437.2	1424.9	1437.2	1480.6
30°	1912.2	1864.4	1753.6	1642.9	1556.9	1470.8	1434.6	1398.4	1387.3	1398.4	1434.6
32.5°	1947.7	1868.0	1749.4	1630.6	1570.6	1510.7	1500.9	1491.0	1483.4	1491.0	1500.9
35°	1993.2	1903.8	1814.4	1725.0	1734.1	1743.3	1775.5	1807.7	1807.0	1807.7	1775.5
37.5°	2088.2	1996.8	1981.9	1967.2	2082.6	2197.9	2290.5	2383.0	2431.2	2383.0	2290.5
40°	2250.6	2186.4	2240.0	2293.4	2453.8	2614.1	2723.7	2833.3	2913.5	2833.3	2723.7
42.5°	2466.7	2430.2	2497.1	2564.0	2740.0	2915.8	3065.3	3214.6	3326.9	3214.6	3065.3
45°	2788.7	2750.9	2782.8	2814.5	3034.8	3255.1	3489.1	3723.1	3920.9	3723.1	3489.1
47.5°	3279.4	3191.7	3165.0	3138.1	3434.9	3731.7	4073.7	4415.9	4619.2	4415.9	4073.7
50°	3945.1	3808.1	3683.1	3558.1	3976.8	4395.6	4893.8	5391.9	5601.5	5391.9	4893.8
52.5°	4614.0	4488.2	4268.5	4048.7	4544.3	5039.9	5686.8	6333.7	6534.8	6333.7	5686.8
55°	5362.9	5415.5	5118.2	4820.9	5370.7	5920.4	6749.2	7577.8	7932.5	7577.8	6749.2
57.5°	6189.4	6657.4	6339.7	6022.0	6535.2	7048.4	8033.4	9018.5	9612.2	9018.5	8033.4
60°	6588.9	7526.7	7385.6	7244.6	7683.0	8121.5	9190.2	10259.1	10952.5	10259.1	9190.2
62.5°	6212.4	7233.1	7272.9	7312.7	7898.2	8483.7	9449.9	10416.2	11029.8	10416.2	9449.9
65°	5581.5	6542.1	6601.0	6660.0	7337.0	8014.0	8961.7	9909.5	10404.5	9909.5	8961.7
67.5°	4963.2	5962.2	5997.8	6033.5	6652.2	7270.9	8124.0	8977.1	9261.4	8977.1	8124.0
70°	4351.0	5302.8	5380.7	5458.7	5999.0	6539.1	7170.8	7802.5	7964.9	7802.5	7170.8
72.5°	3682.7	4639.9	4759.1	4878.3	5274.2	5669.9	6111.6	6553.1	6537.9	6553.1	6111.6
75°	2902.2	3799.2	3964.2	4129.1	4371.8	4614.5	4847.7	5081.0	5014.9	5081.0	4847.7
77.5°	2115.9	2841.3	3015.9	3190.7	3361.9	3533.1	3697.5	3861.9	3758.0	3861.9	3697.5
80°	1283.6	1800.5	1997.1	2193.7	2372.7	2551.5	2636.3	2721.1	2546.1	2721.1	2636.3
82.5°	668.1	956.7	1152.4	1347.9	1529.2	1710.4	1763.6	1816.6	1649.3	1816.6	1763.6
85°	294.2	439.0	585.0	730.9	873.7	1016.5	1022.0	1027.5	907.1	1027.5	1022.0
87.5°	112.9	172.2	247.4	322.6	399.3	476.0	473.3	470.5	388.3	470.5	473.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7	1063.7
2.5°	1125.8	1123.9	1122.0	1120.0	1118.0	1113.3	1108.6
5°	1259.5	1250.0	1240.4	1227.7	1215.1	1200.5	1185.9
7.5°	1423.0	1404.5	1385.8	1358.2	1330.8	1310.7	1290.8
10°	1574.7	1552.4	1530.1	1499.7	1469.3	1418.1	1367.0
12.5°	1719.8	1691.6	1663.4	1619.6	1575.8	1517.6	1459.4
15°	1803.8	1781.9	1760.0	1718.9	1677.7	1614.3	1550.7
17.5°	1802.8	1801.9	1800.9	1773.8	1746.6	1699.0	1651.4
20°	1755.8	1779.3	1802.8	1802.3	1801.8	1762.3	1722.9
22.5°	1669.7	1721.9	1774.1	1801.9	1829.7	1802.7	1775.7
25°	1596.6	1669.4	1742.3	1798.8	1855.5	1851.3	1847.2
27.5°	1523.9	1609.3	1694.8	1780.8	1866.7	1879.9	1893.1
30°	1470.8	1556.9	1642.9	1753.6	1864.4	1912.2	1959.9
32.5°	1510.7	1570.6	1630.6	1749.4	1868.0	1947.7	2027.2
35°	1743.3	1734.1	1725.0	1814.4	1903.8	1993.2	2082.6
37.5°	2197.9	2082.6	1967.2	1981.9	1996.8	2088.2	2179.6
40°	2614.1	2453.8	2293.4	2240.0	2186.4	2250.6	2314.8
42.5°	2915.8	2740.0	2564.0	2497.1	2430.2	2466.7	2503.3
45°	3255.1	3034.8	2814.5	2782.8	2750.9	2788.7	2826.3
47.5°	3731.7	3434.9	3138.1	3165.0	3191.7	3279.4	3367.1
50°	4395.6	3976.8	3558.1	3683.1	3808.1	3945.1	4082.1
52.5°	5039.9	4544.3	4048.7	4268.5	4488.2	4614.0	4739.8
55°	5920.4	5370.7	4820.9	5118.2	5415.5	5362.9	5310.3
57.5°	7048.4	6535.2	6022.0	6339.7	6657.4	6189.4	5721.6
60°	8121.5	7683.0	7244.6	7385.6	7526.7	6588.9	5651.1
62.5°	8483.7	7898.2	7312.7	7272.9	7233.1	6212.4	5191.8
65°	8014.0	7337.0	6660.0	6601.0	6542.1	5581.5	4620.8
67.5°	7270.9	6652.2	6033.5	5997.8	5962.2	4963.2	3964.2
70°	6539.1	5999.0	5458.7	5380.7	5302.8	4351.0	3399.4
72.5°	5669.9	5274.2	4878.3	4759.1	4639.9	3682.7	2725.6
75°	4614.5	4371.8	4129.1	3964.2	3799.2	2902.2	2005.3
77.5°	3533.1	3361.9	3190.7	3015.9	2841.3	2115.9	1390.5
80°	2551.5	2372.7	2193.7	1997.1	1800.5	1283.6	766.7
82.5°	1710.4	1529.2	1347.9	1152.4	956.7	668.1	379.5
85°	1016.5	873.7	730.9	585.0	439.0	294.2	149.3
87.5°	476.0	399.3	322.6	247.4	172.2	112.9	53.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)