

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: McGRAW-EDISON

Report Number: P945218

Luminaire Tested: **GALN-SB1B-727-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-727-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5206 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

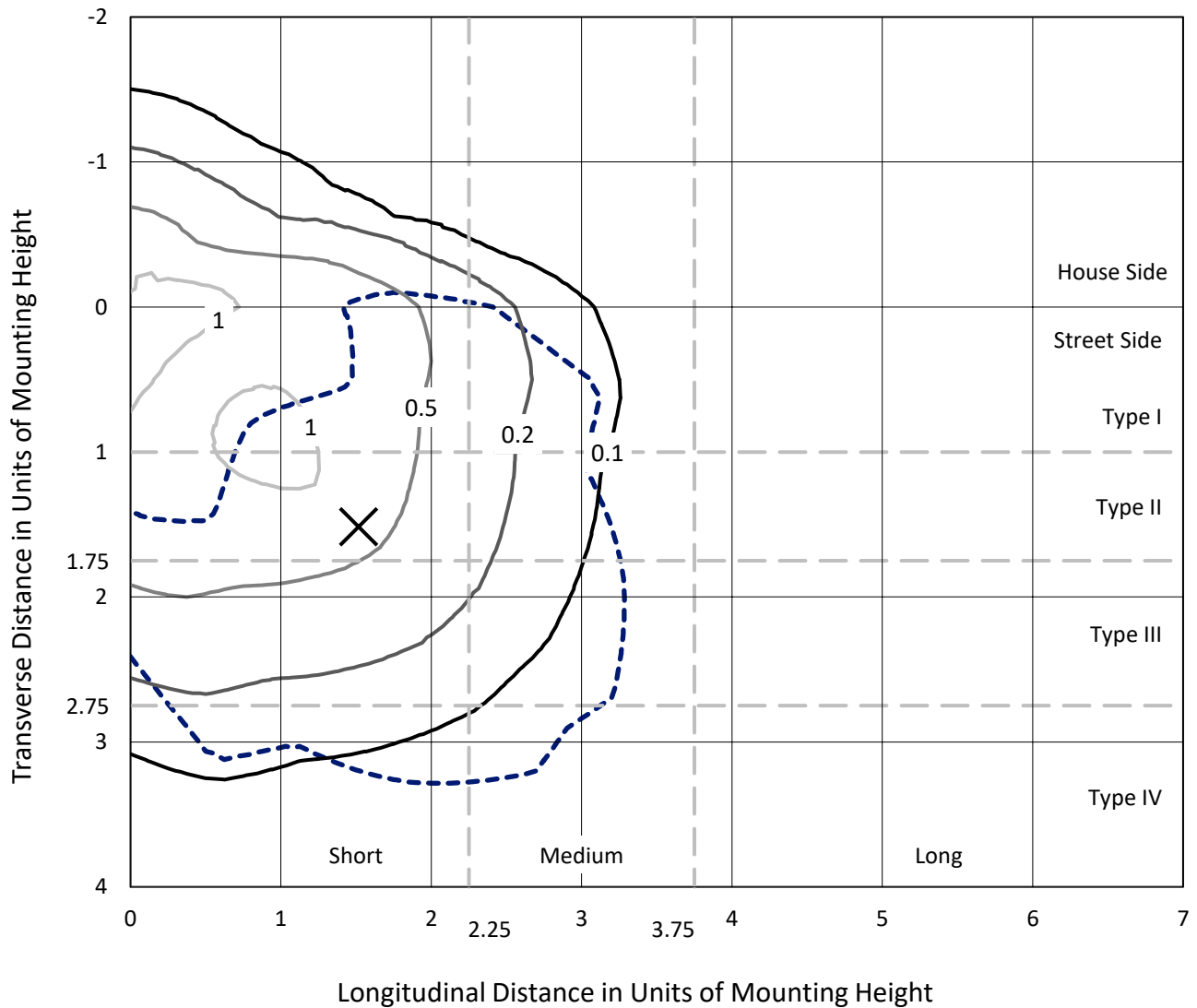
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

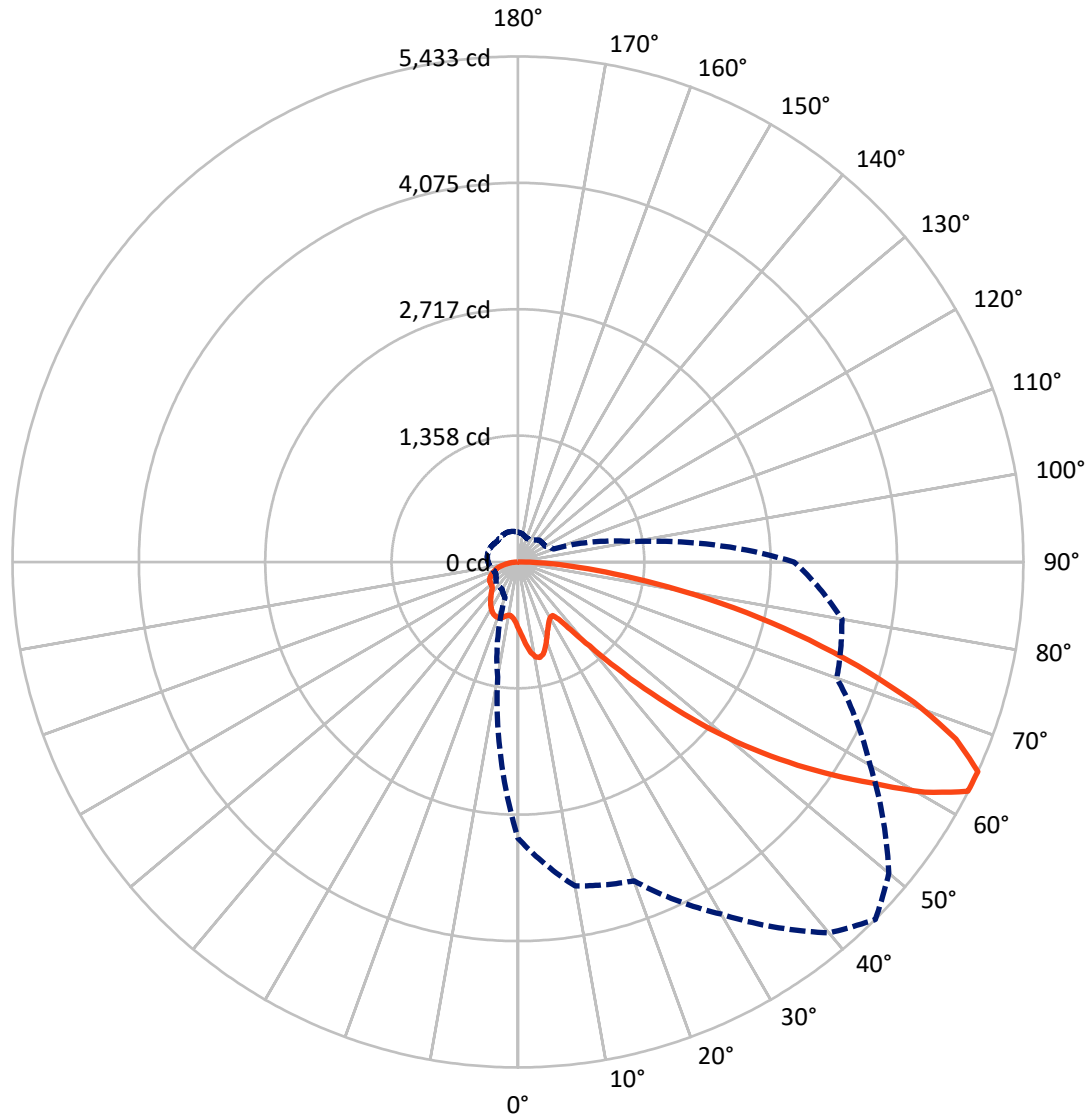
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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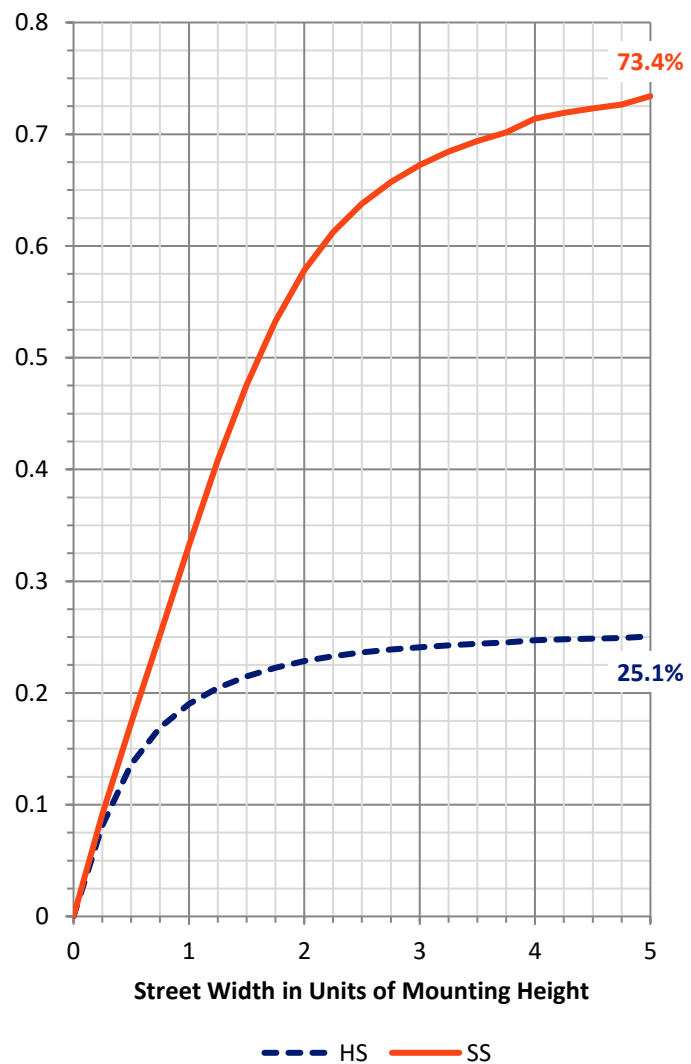
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1323.1	0.0	1323.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	3882.9	0.0	3882.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	5206.0	0.0	5206.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	1.4
10°-20°	222.9	4.3
20°-30°	344.3	6.6
30°-40°	436.4	8.4
40°-50°	658.2	12.6
50°-60°	1063.4	20.4
60°-70°	1325.6	25.5
70°-80°	869.3	16.7
80°-90°	214.9	4.1
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°	5206.0	100.0
0°-180°	5206.0	100.0

Coefficient of Utilization



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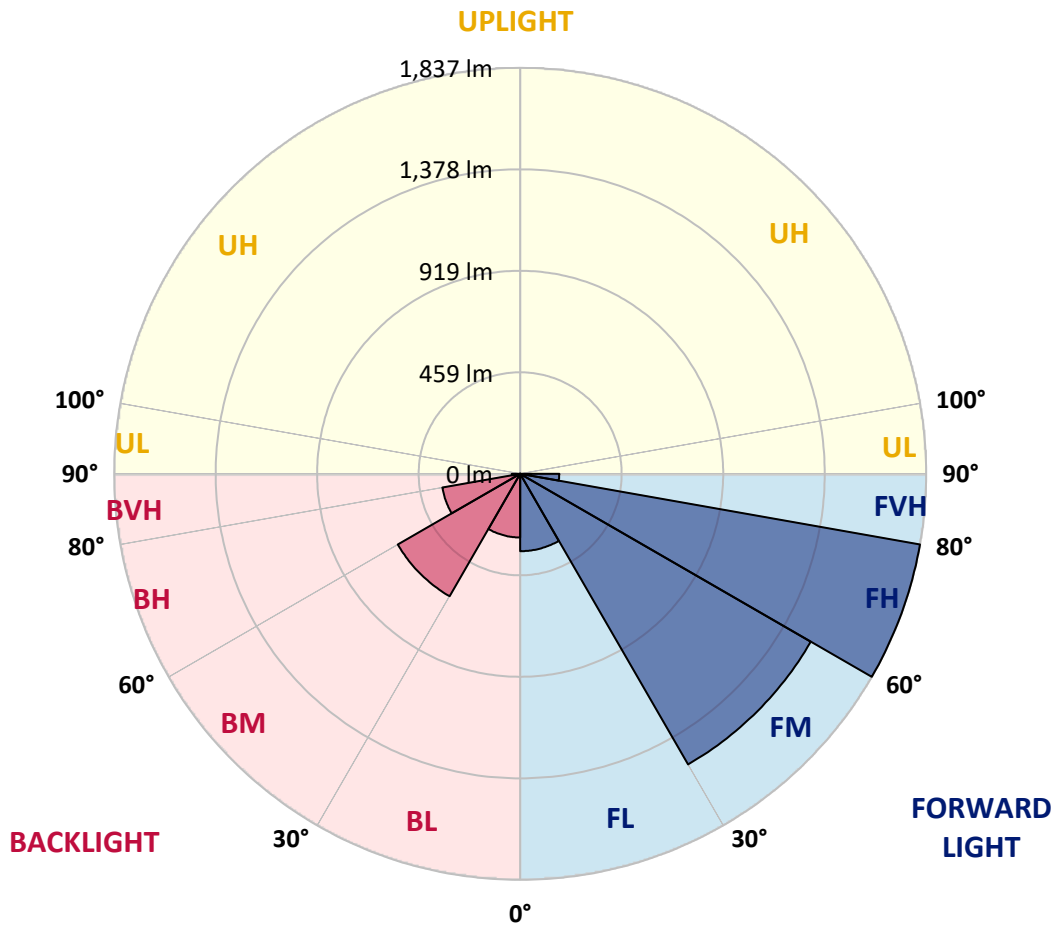
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	350.2	6.7			
FM (30°-60°)	1518.5	29.2			
FH (60°-80°)	1837.2	35.3			G2/5000
FVH (80°-90°)	177.0	3.4			G2/225
BL (0°-30°)	288.1	5.5	B1/500		
BM (30°-60°)	639.4	12.3	B1/1000		
BH (60°-80°)	357.7	6.9	B1/500		G1/500
BVH (80°-90°)	37.9	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9
2.5°	769.8	772.8	775.7	779.8	784.0	786.5	788.9	790.2	791.4	790.9	791.4
5°	827.8	838.0	848.2	858.3	868.5	874.0	879.5	882.8	886.1	888.7	886.1
7.5°	886.0	902.6	919.2	934.1	949.0	958.0	967.0	971.9	976.7	979.0	976.7
10°	930.7	950.3	969.9	987.4	1004.9	1015.5	1026.1	1030.8	1035.5	1037.3	1035.5
12.5°	958.0	979.3	1000.5	1016.3	1032.1	1039.8	1047.5	1050.1	1052.7	1052.9	1052.7
15°	974.6	993.0	1011.3	1021.2	1031.2	1031.4	1031.7	1029.0	1026.2	1023.0	1026.2
17.5°	984.0	996.4	1008.8	1008.9	1009.1	998.0	986.9	976.7	966.5	959.3	966.5
20°	994.3	998.6	1002.9	989.9	976.8	952.3	927.7	909.8	892.0	881.0	892.0
22.5°	1006.2	1000.6	994.9	967.9	940.8	904.7	868.6	846.2	823.9	811.7	823.9
25°	1021.6	1003.8	985.9	944.9	903.8	860.0	816.1	792.6	769.1	757.6	769.1
27.5°	1042.5	1010.6	978.6	924.3	869.9	821.3	772.7	749.5	726.4	715.6	726.4
30°	1070.6	1023.0	975.5	908.5	841.6	791.0	740.3	718.9	697.4	687.3	697.4
32.5°	1103.9	1038.7	973.5	897.8	822.1	774.5	726.9	710.1	693.2	685.9	693.2
35°	1144.3	1064.5	984.7	905.9	827.0	793.9	760.9	756.9	753.0	752.4	753.0
37.5°	1212.3	1118.4	1024.6	952.9	881.2	879.0	876.9	894.9	912.8	922.2	912.8
40°	1315.0	1212.9	1110.9	1057.6	1004.3	1041.9	1079.5	1123.2	1166.9	1188.6	1166.9
42.5°	1451.2	1350.0	1248.7	1218.0	1187.3	1269.4	1351.5	1430.9	1510.4	1557.0	1510.4
45°	1619.5	1528.5	1437.6	1424.0	1410.5	1541.9	1673.5	1804.0	1934.6	2013.8	1934.6
47.5°	1829.9	1741.4	1652.9	1650.2	1647.4	1837.1	2026.8	2217.9	2409.0	2521.2	2409.0
50°	2105.7	1996.4	1887.1	1887.6	1888.1	2132.6	2377.0	2629.3	2881.6	3034.1	2881.6
52.5°	2422.3	2290.0	2157.6	2144.3	2130.9	2422.9	2714.9	3027.0	3339.1	3521.9	3339.1
55°	2759.4	2628.6	2497.9	2445.7	2393.5	2718.5	3043.5	3415.6	3787.7	4005.1	3787.7
57.5°	3065.9	2994.7	2923.5	2818.9	2714.3	3042.4	3370.6	3792.1	4213.5	4483.1	4213.5
60°	3251.2	3361.8	3472.4	3342.5	3212.6	3523.1	3833.7	4284.9	4736.2	5027.6	4736.2
62.5°	3157.1	3459.3	3761.5	3746.9	3732.2	4016.7	4301.3	4730.6	5159.8	5429.2	5159.8
65°	2968.8	3252.5	3536.1	3592.2	3648.3	4009.9	4371.4	4787.7	5204.0	5433.3	5204.0
67.5°	2716.5	2986.3	3256.0	3282.3	3308.6	3685.4	4062.1	4480.1	4898.2	5077.8	4898.2
70°	2413.4	2706.8	3000.2	3012.0	3023.8	3360.7	3697.5	4057.3	4417.0	4516.9	4417.0
72.5°	2052.2	2388.9	2725.6	2734.0	2742.5	3006.0	3269.6	3539.1	3808.5	3818.6	3808.5
75°	1595.2	1943.7	2292.2	2323.4	2354.7	2559.8	2764.9	2954.5	3144.2	3093.4	3144.2
77.5°	1139.7	1465.0	1790.4	1835.1	1879.9	2035.8	2191.7	2326.2	2460.8	2373.4	2460.8
80°	745.9	1019.6	1293.3	1348.9	1404.6	1522.3	1640.0	1710.7	1781.3	1640.8	1781.3
82.5°	433.6	620.7	807.8	870.0	932.2	1013.2	1094.3	1123.7	1153.2	1042.8	1153.2
85°	190.8	290.1	389.4	442.3	495.1	561.7	628.3	645.0	661.8	573.3	661.8
87.5°	59.1	92.4	125.8	155.3	184.8	218.1	251.4	252.8	254.2	213.4	254.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9
2.5°	790.2	788.9	786.5	784.0	779.8	775.7	772.8	769.8	763.9	758.0	751.7
5°	882.8	879.5	874.0	868.5	858.3	848.2	838.0	827.8	814.8	801.7	788.7
7.5°	971.9	967.0	958.0	949.0	934.1	919.2	902.6	886.0	864.5	843.0	823.1
10°	1030.8	1026.1	1015.5	1004.9	987.4	969.9	950.3	930.7	903.5	876.2	850.0
12.5°	1050.1	1047.5	1039.8	1032.1	1016.3	1000.5	979.3	958.0	928.1	898.2	868.4
15°	1029.0	1031.7	1031.4	1031.2	1021.2	1011.3	993.0	974.6	943.5	912.3	880.0
17.5°	976.7	986.9	998.0	1009.1	1008.9	1008.8	996.4	984.0	952.4	920.7	885.5
20°	909.8	927.7	952.3	976.8	989.9	1002.9	998.6	994.3	961.4	928.5	889.8
22.5°	846.2	868.6	904.7	940.8	967.9	994.9	1000.6	1006.2	972.7	939.1	895.6
25°	792.6	816.1	860.0	903.8	944.9	985.9	1003.8	1021.6	988.7	955.8	906.2
27.5°	749.5	772.7	821.3	869.9	924.3	978.6	1010.6	1042.5	1011.1	979.7	922.7
30°	718.9	740.3	791.0	841.6	908.5	975.5	1023.0	1070.6	1040.3	1010.0	944.0
32.5°	710.1	726.9	774.5	822.1	897.8	973.5	1038.7	1103.9	1073.9	1043.9	966.3
35°	756.9	760.9	793.9	827.0	905.9	984.7	1064.5	1144.3	1115.5	1086.8	991.7
37.5°	894.9	876.9	879.0	881.2	952.9	1024.6	1118.4	1212.3	1175.6	1139.0	1020.1
40°	1123.2	1079.5	1041.9	1004.3	1057.6	1110.9	1212.9	1315.0	1261.6	1208.2	1056.2
42.5°	1430.9	1351.5	1269.4	1187.3	1218.0	1248.7	1350.0	1451.2	1374.2	1297.1	1103.4
45°	1804.0	1673.5	1541.9	1410.5	1424.0	1437.6	1528.5	1619.5	1515.5	1411.5	1165.6
47.5°	2217.9	2026.8	1837.1	1647.4	1650.2	1652.9	1741.4	1829.9	1683.6	1537.2	1231.8
50°	2629.3	2377.0	2132.6	1888.1	1887.6	1887.1	1996.4	2105.7	1885.1	1664.5	1293.2
52.5°	3027.0	2714.9	2422.9	2130.9	2144.3	2157.6	2290.0	2422.3	2096.8	1771.3	1333.1
55°	3415.6	3043.5	2718.5	2393.5	2445.7	2497.9	2628.6	2759.4	2284.5	1809.6	1324.3
57.5°	3792.1	3370.6	3042.4	2714.3	2818.9	2923.5	2994.7	3065.9	2417.5	1769.0	1262.4
60°	4284.9	3833.7	3523.1	3212.6	3342.5	3472.4	3361.8	3251.2	2450.7	1650.2	1147.3
62.5°	4730.6	4301.3	4016.7	3732.2	3746.9	3761.5	3459.3	3157.1	2310.8	1464.4	991.6
65°	4787.7	4371.4	4009.9	3648.3	3592.2	3536.1	3252.5	2968.8	2112.7	1256.6	832.8
67.5°	4480.1	4062.1	3685.4	3308.6	3282.3	3256.0	2986.3	2716.5	1877.1	1037.6	677.2
70°	4057.3	3697.5	3360.7	3023.8	3012.0	3000.2	2706.8	2413.4	1619.9	826.4	533.2
72.5°	3539.1	3269.6	3006.0	2742.5	2734.0	2725.6	2388.9	2052.2	1341.1	630.2	407.6
75°	2954.5	2764.9	2559.8	2354.7	2323.4	2292.2	1943.7	1595.2	1021.6	448.0	295.9
77.5°	2326.2	2191.7	2035.8	1879.9	1835.1	1790.4	1465.0	1139.7	715.0	290.3	200.5
80°	1710.7	1640.0	1522.3	1404.6	1348.9	1293.3	1019.6	745.9	460.7	175.4	129.2
82.5°	1123.7	1094.3	1013.2	932.2	870.0	807.8	620.7	433.6	266.6	99.7	79.4
85°	645.0	628.3	561.7	495.1	442.3	389.4	290.1	190.8	119.9	49.1	42.5
87.5°	252.8	251.4	218.1	184.8	155.3	125.8	92.4	59.1	39.3	19.5	17.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9
2.5°	745.5	739.2	732.8	726.8	720.8	714.9	708.4	703.1	697.9	693.1	688.4
5°	775.7	762.6	749.5	737.3	725.1	713.5	702.1	692.2	682.2	673.9	665.5
7.5°	803.2	783.9	764.5	747.4	730.4	714.6	699.9	686.6	673.4	662.4	651.5
10°	823.7	800.2	776.6	756.5	736.3	716.8	701.0	687.0	673.1	662.1	651.1
12.5°	838.7	810.9	783.2	760.3	737.5	717.1	702.4	690.9	679.6	672.2	665.0
15°	847.7	815.7	783.8	757.3	730.9	708.3	696.5	691.0	685.6	686.6	687.6
17.5°	850.3	813.2	776.1	744.3	712.5	685.9	678.6	680.7	682.6	694.6	706.6
20°	851.1	806.1	761.2	721.8	682.4	651.5	649.5	658.9	668.2	689.0	709.8
22.5°	852.2	797.5	742.8	695.4	648.0	612.7	616.5	630.3	644.1	667.9	691.6
25°	856.5	789.0	721.5	665.9	610.4	574.3	584.4	600.4	616.3	637.6	659.0
27.5°	865.6	783.3	701.0	639.0	576.9	544.0	556.4	571.8	587.2	604.7	622.3
30°	878.0	780.6	683.2	616.5	549.7	522.1	531.8	544.0	556.2	570.8	585.3
32.5°	888.7	777.3	665.9	597.0	528.1	505.9	510.2	517.4	524.6	536.2	547.9
35°	896.6	771.1	645.8	577.9	510.1	491.6	489.8	491.8	493.8	502.6	511.5
37.5°	901.2	760.5	619.8	555.5	491.2	475.0	468.4	466.2	464.0	470.4	476.7
40°	904.2	745.9	587.6	528.7	469.7	455.0	445.0	440.0	435.1	439.7	444.2
42.5°	909.8	730.8	551.8	499.1	446.3	432.8	420.2	413.6	407.0	410.7	414.5
45°	919.6	716.7	513.9	467.7	421.4	407.7	395.4	389.0	382.6	385.7	388.9
47.5°	926.3	705.1	484.0	442.8	401.6	383.9	373.4	368.0	362.6	365.6	368.5
50°	921.9	692.5	463.1	426.3	389.5	366.2	354.0	349.2	344.4	349.0	353.7
52.5°	894.8	671.1	447.5	415.4	383.3	356.6	339.5	334.8	330.1	337.0	343.9
55°	838.9	635.8	432.6	407.5	382.4	357.5	331.8	324.3	316.9	326.7	336.6
57.5°	755.8	585.9	415.9	398.2	380.5	358.5	327.2	316.3	305.4	316.0	326.6
60°	644.4	521.1	397.8	383.9	370.0	355.5	322.8	308.7	294.6	303.9	313.2
62.5°	518.9	443.6	368.3	359.1	349.8	348.0	317.8	300.1	282.5	288.4	294.3
65°	409.0	373.8	338.7	334.3	330.0	330.2	307.1	288.4	269.6	271.9	274.2
67.5°	316.8	306.8	296.8	299.3	301.7	301.1	288.1	272.5	256.9	256.2	255.5
70°	240.0	242.8	245.6	257.0	268.2	268.2	264.0	252.9	241.8	239.3	236.8
72.5°	185.1	193.7	202.3	218.4	234.4	237.1	237.1	229.5	221.9	218.3	214.7
75°	143.7	151.5	159.3	177.3	195.3	207.7	206.6	200.8	194.9	191.4	188.0
77.5°	110.6	116.0	121.3	138.7	156.2	176.6	176.1	171.4	166.7	163.2	159.7
80°	83.0	85.2	87.4	102.1	116.9	141.3	141.3	137.3	133.4	130.4	127.5
82.5°	59.3	59.7	60.1	71.0	81.9	102.7	103.9	102.0	100.0	98.0	95.9
85°	35.8	35.7	35.4	43.4	51.4	66.9	68.4	66.3	64.3	61.9	59.6
87.5°	15.7	15.5	15.3	18.6	21.8	28.3	30.2	29.4	28.6	28.1	27.7
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°	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9
2.5°	684.3	680.1	675.9	671.8	668.6	665.3	662.7	660.1	658.1	656.0	654.2
5°	658.2	650.8	644.1	637.4	632.3	627.1	623.5	619.9	617.4	614.8	612.9
7.5°	642.2	632.9	624.7	616.6	610.4	604.3	600.1	595.8	592.8	589.9	588.2
10°	641.1	631.1	621.9	612.7	605.4	598.1	593.3	588.5	585.7	582.9	581.4
12.5°	657.1	649.3	639.8	630.3	621.0	611.6	605.4	599.3	596.2	593.1	591.8
15°	685.5	683.5	675.2	667.0	653.7	640.4	631.0	621.6	617.3	613.0	611.3
17.5°	713.0	719.3	712.6	706.0	688.4	670.8	656.9	643.1	636.7	630.3	628.2
20°	723.1	736.5	733.4	730.3	710.2	690.0	673.1	656.1	648.0	639.8	637.2
22.5°	709.0	726.3	728.2	730.0	710.8	691.6	674.1	656.6	648.0	639.4	636.5
25°	676.1	693.1	699.5	705.8	690.1	674.3	658.8	643.3	635.8	628.4	625.7
27.5°	635.9	649.6	656.7	663.8	652.6	641.4	629.3	617.3	612.3	607.2	606.0
30°	596.7	608.0	613.8	619.6	611.0	602.5	593.8	585.2	582.6	580.0	580.0
32.5°	558.8	569.7	576.1	582.5	574.6	566.8	559.9	553.0	551.3	549.6	549.8
35°	522.3	533.1	540.7	548.4	542.8	537.3	530.9	524.5	522.0	519.5	518.9
37.5°	487.5	498.3	507.8	517.3	514.7	512.1	506.2	500.4	495.7	491.1	488.7
40°	454.6	465.0	475.9	486.9	487.5	488.1	483.2	478.2	471.4	464.7	460.2
42.5°	424.3	434.2	446.0	457.8	460.9	464.1	459.9	455.7	447.3	439.0	432.4
45°	398.3	407.6	419.9	432.1	436.6	441.2	437.4	433.6	424.0	414.5	406.7
47.5°	377.7	386.8	398.9	411.0	416.2	421.4	418.8	416.1	407.6	399.1	391.9
50°	362.3	370.9	381.7	392.5	399.2	406.0	405.8	405.7	398.9	392.1	385.4
52.5°	351.8	359.7	369.8	379.9	387.8	395.8	397.2	398.6	393.1	387.5	381.6
55°	345.1	353.6	362.4	371.3	379.7	388.1	390.1	392.1	387.2	382.4	377.2
57.5°	336.6	346.6	355.4	364.1	372.6	381.1	383.1	385.1	380.2	375.3	370.1
60°	324.7	336.2	345.1	354.0	362.5	371.0	373.2	375.4	370.6	365.8	360.5
62.5°	307.7	321.1	330.6	340.1	347.9	355.7	357.8	359.9	355.6	351.3	345.7
65°	288.5	302.9	311.9	321.0	327.9	334.7	336.9	339.0	334.9	330.7	325.3
67.5°	268.7	282.0	290.6	299.1	305.1	311.0	313.1	315.2	311.4	307.6	302.6
70°	248.5	260.1	267.6	275.0	280.3	285.7	287.7	289.8	286.7	283.5	278.7
72.5°	223.9	233.0	239.7	246.4	251.7	256.9	259.3	261.7	259.2	256.6	252.0
75°	194.8	201.6	207.6	213.7	218.5	223.3	225.8	228.3	227.1	225.8	221.9
77.5°	165.2	170.7	175.9	181.2	186.2	191.2	193.6	195.9	194.2	192.3	188.4
80°	132.1	136.7	141.1	145.5	149.3	153.1	156.2	159.3	158.6	157.8	152.6
82.5°	95.5	95.1	93.6	92.0	100.2	108.3	113.6	118.9	118.6	118.3	113.8
85°	57.6	55.6	51.4	47.1	54.7	62.4	68.9	75.5	75.0	74.4	71.0
87.5°	27.6	27.5	24.3	21.0	24.2	27.4	30.1	32.7	32.1	31.4	29.6
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9
2.5°	652.3	649.9	652.3	654.2	656.0	658.1	660.1	662.7	665.3	668.6	671.8
5°	610.9	609.0	610.9	612.9	614.8	617.4	619.9	623.5	627.1	632.3	637.4
7.5°	586.4	585.1	586.4	588.2	589.9	592.8	595.8	600.1	604.3	610.4	616.6
10°	579.9	579.3	579.9	581.4	582.9	585.7	588.5	593.3	598.1	605.4	612.7
12.5°	590.6	590.3	590.6	591.8	593.1	596.2	599.3	605.4	611.6	621.0	630.3
15°	609.7	609.6	609.7	611.3	613.0	617.3	621.6	631.0	640.4	653.7	667.0
17.5°	626.1	625.8	626.1	628.2	630.3	636.7	643.1	656.9	670.8	688.4	706.0
20°	634.6	633.7	634.6	637.2	639.8	648.0	656.1	673.1	690.0	710.2	730.3
22.5°	633.6	632.4	633.6	636.5	639.4	648.0	656.6	674.1	691.6	710.8	730.0
25°	623.0	621.4	623.0	625.7	628.4	635.8	643.3	658.8	674.3	690.1	705.8
27.5°	604.8	604.3	604.8	606.0	607.2	612.3	617.3	629.3	641.4	652.6	663.8
30°	580.0	580.4	580.0	580.0	580.0	582.6	585.2	593.8	602.5	611.0	619.6
32.5°	550.1	550.5	550.1	549.8	549.6	551.3	553.0	559.9	566.8	574.6	582.5
35°	518.4	518.1	518.4	518.9	519.5	522.0	524.5	530.9	537.3	542.8	548.4
37.5°	486.2	484.8	486.2	488.7	491.1	495.7	500.4	506.2	512.1	514.7	517.3
40°	455.7	453.0	455.7	460.2	464.7	471.4	478.2	483.2	488.1	487.5	486.9
42.5°	425.7	421.4	425.7	432.4	439.0	447.3	455.7	459.9	464.1	460.9	457.8
45°	398.9	393.9	398.9	406.7	414.5	424.0	433.6	437.4	441.2	436.6	432.1
47.5°	384.7	379.9	384.7	391.9	399.1	407.6	416.1	418.8	421.4	416.2	411.0
50°	378.8	374.1	378.8	385.4	392.1	398.9	405.7	405.8	406.0	399.2	392.5
52.5°	375.7	371.4	375.7	381.6	387.5	393.1	398.6	397.2	395.8	387.8	379.9
55°	371.9	368.1	371.9	377.2	382.4	387.2	392.1	390.1	388.1	379.7	371.3
57.5°	364.9	361.0	364.9	370.1	375.3	380.2	385.1	383.1	381.1	372.6	364.1
60°	355.2	351.1	355.2	360.5	365.8	370.6	375.4	373.2	371.0	362.5	354.0
62.5°	340.1	335.1	340.1	345.7	351.3	355.6	359.9	357.8	355.7	347.9	340.1
65°	319.9	315.6	319.9	325.3	330.7	334.9	339.0	336.9	334.7	327.9	321.0
67.5°	297.5	293.7	297.5	302.6	307.6	311.4	315.2	313.1	311.0	305.1	299.1
70°	273.9	269.5	273.9	278.7	283.5	286.7	289.8	287.7	285.7	280.3	275.0
72.5°	247.4	243.1	247.4	252.0	256.6	259.2	261.7	259.3	256.9	251.7	246.4
75°	218.1	214.0	218.1	221.9	225.8	227.1	228.3	225.8	223.3	218.5	213.7
77.5°	184.5	181.3	184.5	188.4	192.3	194.2	195.9	193.6	191.2	186.2	181.2
80°	147.3	141.2	147.3	152.6	157.8	158.6	159.3	156.2	153.1	149.3	145.5
82.5°	109.4	105.5	109.4	113.8	118.3	118.6	118.9	113.6	108.3	100.2	92.0
85°	67.5	64.0	67.5	71.0	74.4	75.0	75.5	68.9	62.4	54.7	47.1
87.5°	27.8	26.1	27.8	29.6	31.4	32.1	32.7	30.1	27.4	24.2	21.0
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9	715.9
2.5°	675.9	680.1	684.3	688.4	693.1	697.9	703.1	708.4	714.9	720.8	726.8
5°	644.1	650.8	658.2	665.5	673.9	682.2	692.2	702.1	713.5	725.1	737.3
7.5°	624.7	632.9	642.2	651.5	662.4	673.4	686.6	699.9	714.6	730.4	747.4
10°	621.9	631.1	641.1	651.1	662.1	673.1	687.0	701.0	716.8	736.3	756.5
12.5°	639.8	649.3	657.1	665.0	672.2	679.6	690.9	702.4	717.1	737.5	760.3
15°	675.2	683.5	685.5	687.6	686.6	685.6	691.0	696.5	708.3	730.9	757.3
17.5°	712.6	719.3	713.0	706.6	694.6	682.6	680.7	678.6	685.9	712.5	744.3
20°	733.4	736.5	723.1	709.8	689.0	668.2	658.9	649.5	651.5	682.4	721.8
22.5°	728.2	726.3	709.0	691.6	667.9	644.1	630.3	616.5	612.7	648.0	695.4
25°	699.5	693.1	676.1	659.0	637.6	616.3	600.4	584.4	574.3	610.4	665.9
27.5°	656.7	649.6	635.9	622.3	604.7	587.2	571.8	556.4	544.0	576.9	639.0
30°	613.8	608.0	596.7	585.3	570.8	556.2	544.0	531.8	522.1	549.7	616.5
32.5°	576.1	569.7	558.8	547.9	536.2	524.6	517.4	510.2	505.9	528.1	597.0
35°	540.7	533.1	522.3	511.5	502.6	493.8	491.8	489.8	491.6	510.1	577.9
37.5°	507.8	498.3	487.5	476.7	470.4	464.0	466.2	468.4	475.0	491.2	555.5
40°	475.9	465.0	454.6	444.2	439.7	435.1	440.0	445.0	455.0	469.7	528.7
42.5°	446.0	434.2	424.3	414.5	410.7	407.0	413.6	420.2	432.8	446.3	499.1
45°	419.9	407.6	398.3	388.9	385.7	382.6	389.0	395.4	407.7	421.4	467.7
47.5°	398.9	386.8	377.7	368.5	365.6	362.6	368.0	373.4	383.9	401.6	442.8
50°	381.7	370.9	362.3	353.7	349.0	344.4	349.2	354.0	366.2	389.5	426.3
52.5°	369.8	359.7	351.8	343.9	337.0	330.1	334.8	339.5	356.6	383.3	415.4
55°	362.4	353.6	345.1	336.6	326.7	316.9	324.3	331.8	357.5	382.4	407.5
57.5°	355.4	346.6	336.6	326.6	316.0	305.4	316.3	327.2	358.5	380.5	398.2
60°	345.1	336.2	324.7	313.2	303.9	294.6	308.7	322.8	355.5	370.0	383.9
62.5°	330.6	321.1	307.7	294.3	288.4	282.5	300.1	317.8	348.0	349.8	359.1
65°	311.9	302.9	288.5	274.2	271.9	269.6	288.4	307.1	330.2	330.0	334.3
67.5°	290.6	282.0	268.7	255.5	256.2	256.9	272.5	288.1	301.1	301.7	299.3
70°	267.6	260.1	248.5	236.8	239.3	241.8	252.9	264.0	268.2	268.2	257.0
72.5°	239.7	233.0	223.9	214.7	218.3	221.9	229.5	237.1	237.1	234.4	218.4
75°	207.6	201.6	194.8	188.0	191.4	194.9	200.8	206.6	207.7	195.3	177.3
77.5°	175.9	170.7	165.2	159.7	163.2	166.7	171.4	176.1	176.6	156.2	138.7
80°	141.1	136.7	132.1	127.5	130.4	133.4	137.3	141.3	141.3	116.9	102.1
82.5°	93.6	95.1	95.5	95.9	98.0	100.0	102.0	103.9	102.7	81.9	71.0
85°	51.4	55.6	57.6	59.6	61.9	64.3	66.3	68.4	66.9	51.4	43.4
87.5°	24.3	27.5	27.6	27.7	28.1	28.6	29.4	30.2	28.3	21.8	18.6
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):

	330°	335°	340°	345°	350°	355°	360°
0°	715.9	715.9	715.9	715.9	715.9	715.9	715.9
2.5°	732.8	739.2	745.5	751.7	758.0	763.9	769.8
5°	749.5	762.6	775.7	788.7	801.7	814.8	827.8
7.5°	764.5	783.9	803.2	823.1	843.0	864.5	886.0
10°	776.6	800.2	823.7	850.0	876.2	903.5	930.7
12.5°	783.2	810.9	838.7	868.4	898.2	928.1	958.0
15°	783.8	815.7	847.7	880.0	912.3	943.5	974.6
17.5°	776.1	813.2	850.3	885.5	920.7	952.4	984.0
20°	761.2	806.1	851.1	889.8	928.5	961.4	994.3
22.5°	742.8	797.5	852.2	895.6	939.1	972.7	1006.2
25°	721.5	789.0	856.5	906.2	955.8	988.7	1021.6
27.5°	701.0	783.3	865.6	922.7	979.7	1011.1	1042.5
30°	683.2	780.6	878.0	944.0	1010.0	1040.3	1070.6
32.5°	665.9	777.3	888.7	966.3	1043.9	1073.9	1103.9
35°	645.8	771.1	896.6	991.7	1086.8	1115.5	1144.3
37.5°	619.8	760.5	901.2	1020.1	1139.0	1175.6	1212.3
40°	587.6	745.9	904.2	1056.2	1208.2	1261.6	1315.0
42.5°	551.8	730.8	909.8	1103.4	1297.1	1374.2	1451.2
45°	513.9	716.7	919.6	1165.6	1411.5	1515.5	1619.5
47.5°	484.0	705.1	926.3	1231.8	1537.2	1683.6	1829.9
50°	463.1	692.5	921.9	1293.2	1664.5	1885.1	2105.7
52.5°	447.5	671.1	894.8	1333.1	1771.3	2096.8	2422.3
55°	432.6	635.8	838.9	1324.3	1809.6	2284.5	2759.4
57.5°	415.9	585.9	755.8	1262.4	1769.0	2417.5	3065.9
60°	397.8	521.1	644.4	1147.3	1650.2	2450.7	3251.2
62.5°	368.3	443.6	518.9	991.6	1464.4	2310.8	3157.1
65°	338.7	373.8	409.0	832.8	1256.6	2112.7	2968.8
67.5°	296.8	306.8	316.8	677.2	1037.6	1877.1	2716.5
70°	245.6	242.8	240.0	533.2	826.4	1619.9	2413.4
72.5°	202.3	193.7	185.1	407.6	630.2	1341.1	2052.2
75°	159.3	151.5	143.7	295.9	448.0	1021.6	1595.2
77.5°	121.3	116.0	110.6	200.5	290.3	715.0	1139.7
80°	87.4	85.2	83.0	129.2	175.4	460.7	745.9
82.5°	60.1	59.7	59.3	79.4	99.7	266.6	433.6
85°	35.4	35.7	35.8	42.5	49.1	119.9	190.8
87.5°	15.3	15.5	15.7	17.6	19.5	39.3	59.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)