

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: P946459

Luminaire Tested: **GALN-SB2A-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946459
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-SB2A-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8291 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

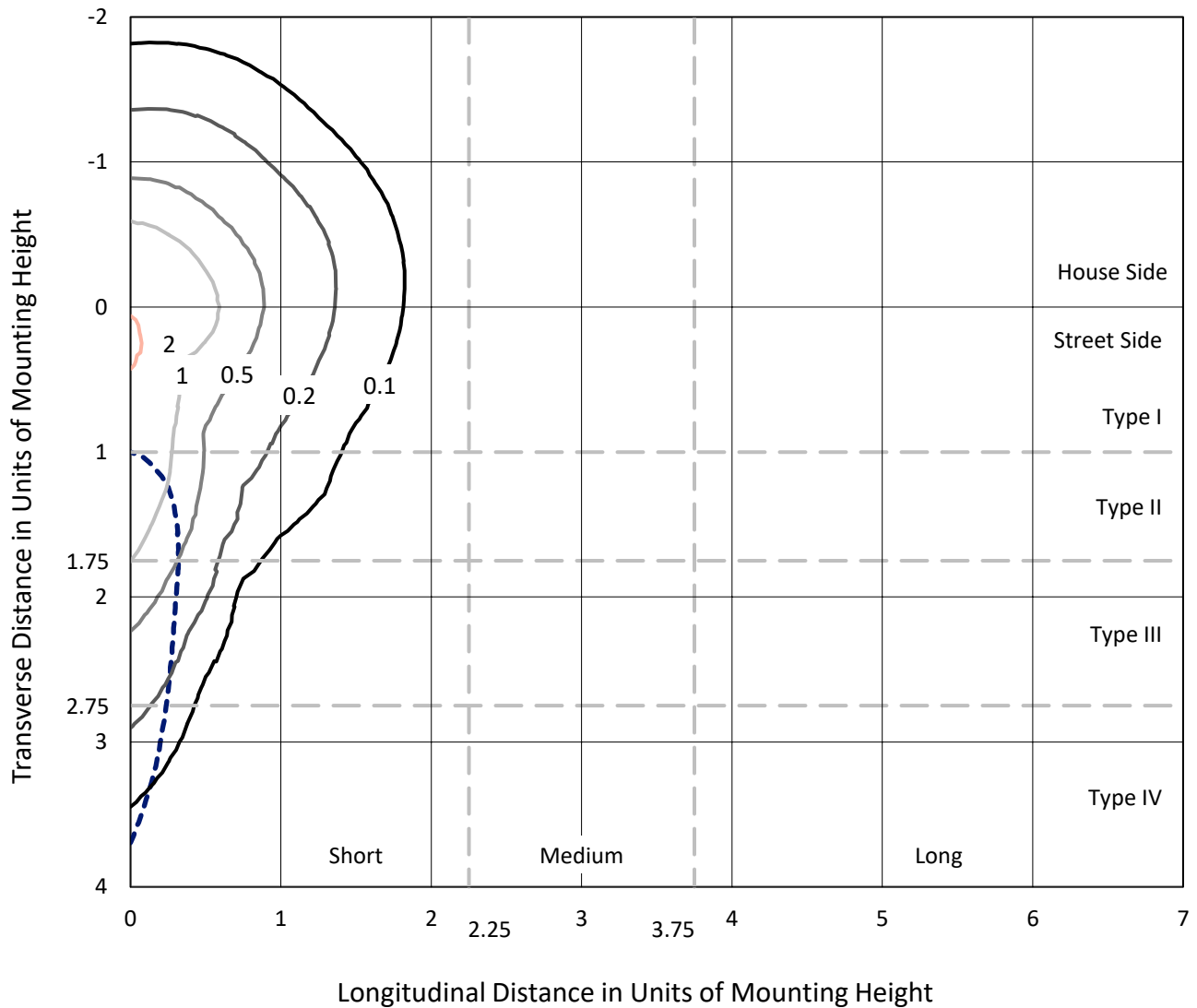
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

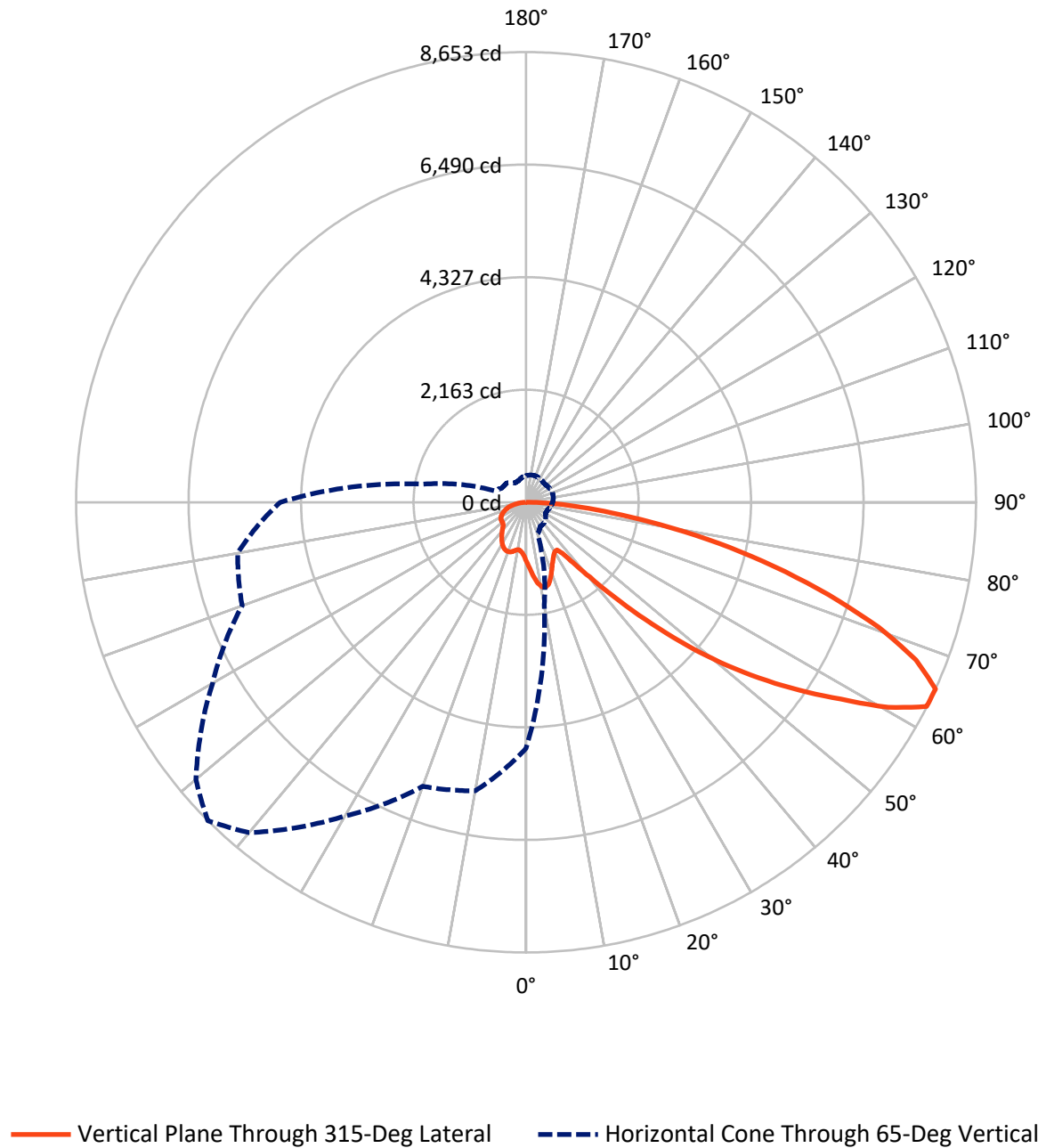
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2107.2	0.0	2107.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	6183.8	0.0	6183.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	8291.0	0.0	8291.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	1.4
10°-20°	355.0	4.3
20°-30°	548.4	6.6
30°-40°	695.0	8.4
40°-50°	1048.2	12.6
50°-60°	1693.5	20.4
60°-70°	2111.2	25.5
70°-80°	1384.4	16.7
80°-90°	342.3	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°	8291.0	100.0
0°-180°	8291.0	100.0

Coefficient of Utilization



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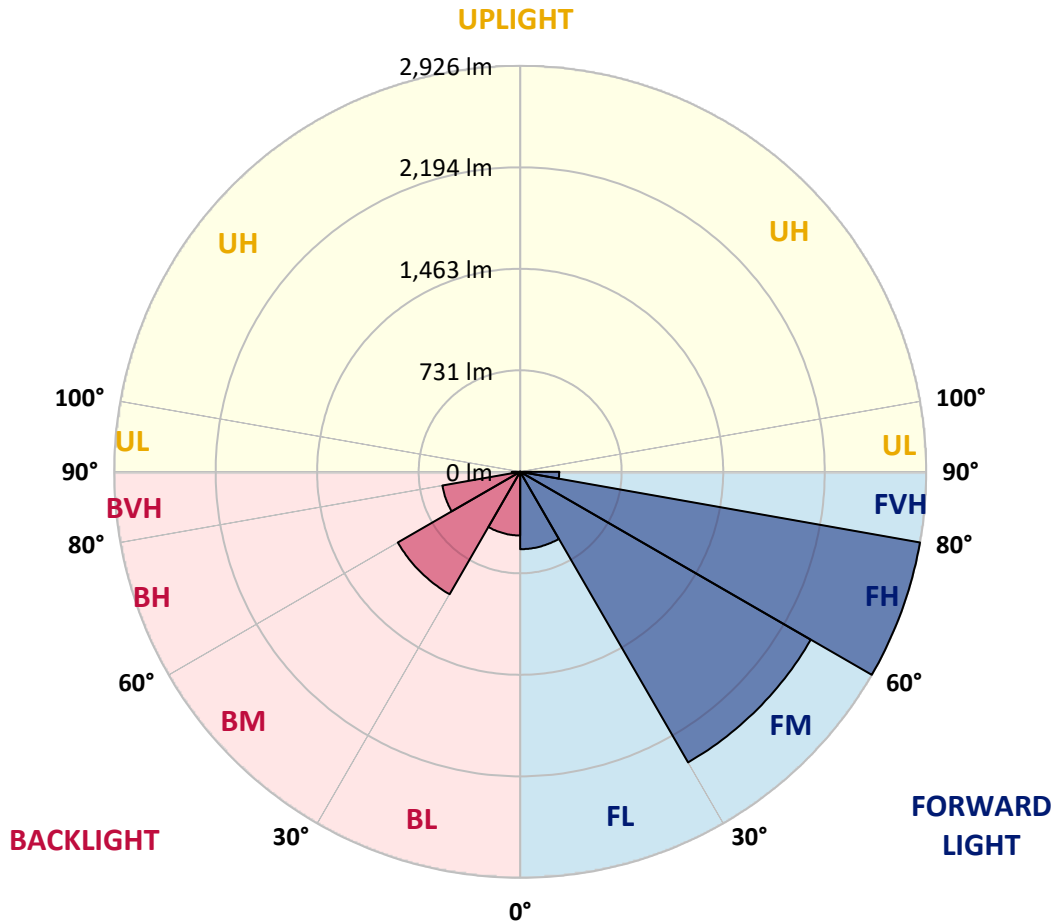
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.7	6.7			
FM (30°-60°)	2418.3	29.2			
FH (60°-80°)	2925.9	35.3			G2/5000
FVH (80°-90°)	282.0	3.4			G3/500
BL (0°-30°)	458.9	5.5	B1/500		
BM (30°-60°)	1018.3	12.3	B2/2500		
BH (60°-80°)	569.7	6.9	B2/1000		G2/1000
BVH (80°-90°)	60.3	0.7			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1
2.5°	1226.0	1216.6	1207.2	1197.2	1187.2	1177.2	1167.1	1157.5	1147.9	1138.6
5°	1318.4	1297.6	1276.8	1256.1	1235.4	1214.5	1193.7	1174.2	1154.7	1136.4
7.5°	1411.1	1376.8	1342.6	1310.9	1279.2	1248.4	1217.5	1190.4	1163.2	1138.1
10°	1482.2	1438.8	1395.5	1353.6	1311.8	1274.3	1236.9	1204.7	1172.5	1141.6
12.5°	1525.7	1478.1	1430.5	1383.1	1335.6	1291.5	1247.3	1210.9	1174.6	1142.1
15°	1552.2	1502.5	1452.9	1401.4	1350.0	1299.1	1248.2	1206.1	1164.1	1128.1
17.5°	1567.1	1516.7	1466.4	1410.2	1354.1	1295.0	1236.0	1185.4	1134.7	1092.4
20°	1583.5	1531.2	1478.8	1417.1	1355.4	1283.8	1212.3	1149.5	1086.8	1037.5
22.5°	1602.5	1549.0	1495.5	1426.4	1357.2	1270.1	1183.0	1107.5	1031.9	975.8
25°	1627.0	1574.6	1522.2	1443.2	1364.1	1256.5	1149.1	1060.5	972.1	914.6
27.5°	1660.3	1610.3	1560.3	1469.4	1378.5	1247.5	1116.5	1017.6	918.8	866.4
30°	1705.1	1656.8	1608.5	1503.4	1398.3	1243.2	1088.1	981.8	875.4	831.4
32.5°	1758.0	1710.2	1662.4	1538.9	1415.3	1238.0	1060.5	950.8	841.1	805.6
35°	1822.3	1776.6	1730.8	1579.3	1427.9	1228.1	1028.4	920.4	812.4	782.9
37.5°	1930.6	1872.3	1813.9	1624.6	1435.3	1211.2	987.1	884.6	782.2	756.4
40°	2094.2	2009.2	1924.1	1682.1	1440.0	1187.9	935.8	841.9	748.1	724.7
42.5°	2311.2	2188.5	2065.7	1757.3	1448.9	1163.8	878.8	794.8	710.8	689.3
45°	2579.2	2413.6	2248.0	1856.2	1464.5	1141.4	818.4	744.8	671.1	649.2
47.5°	2914.3	2681.3	2448.2	1961.7	1475.2	1123.0	770.8	705.2	639.6	611.4
50°	3353.5	3002.2	2650.8	2059.5	1468.2	1102.9	737.5	678.9	620.3	583.2
52.5°	3857.7	3339.3	2820.9	2123.0	1425.1	1068.9	712.7	661.6	610.5	567.9
55°	4394.5	3638.2	2881.9	2109.0	1336.1	1012.5	689.0	649.0	609.1	569.4
57.5°	4882.8	3850.0	2817.3	2010.5	1203.7	933.1	662.4	634.1	605.9	570.9
60°	5177.8	3903.0	2628.1	1827.2	1026.3	829.9	633.6	611.4	589.2	566.1
62.5°	5028.0	3680.1	2332.1	1579.2	826.3	706.4	586.6	571.8	557.1	554.3
65°	4728.1	3364.7	2001.3	1326.3	651.3	595.4	539.4	532.5	525.5	525.9
67.5°	4326.3	2989.4	1652.5	1078.5	504.5	488.6	472.7	476.6	480.4	479.5
70°	3843.5	2579.8	1316.2	849.2	382.1	386.7	391.2	409.2	427.2	427.2
72.5°	3268.2	2135.9	1003.6	649.2	294.8	308.5	322.2	347.8	373.3	377.5
75°	2540.5	1627.0	713.4	471.2	228.9	241.3	253.7	282.4	311.0	330.7
77.5°	1815.1	1138.7	462.3	319.3	176.2	184.7	193.1	220.9	248.7	281.3
80°	1188.0	733.7	279.3	205.7	132.1	135.6	139.1	162.7	186.1	225.1
82.5°	690.6	424.6	158.7	126.5	94.4	95.0	95.7	113.0	130.4	163.6
85°	303.8	191.0	78.2	67.6	57.1	56.8	56.4	69.1	81.8	106.5
87.5°	94.1	62.6	31.1	28.0	25.0	24.7	24.4	29.6	34.8	45.1
90°	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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
1140.1	0°	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1
1128.2	2.5°	1119.8	1111.4	1103.9	1096.3	1089.7	1083.1	1076.5	1069.9	1064.7	1059.6
1118.2	5°	1102.4	1086.5	1073.2	1059.9	1048.2	1036.5	1025.9	1015.2	1007.0	998.8
1114.6	7.5°	1093.5	1072.5	1055.0	1037.5	1022.8	1008.0	994.9	981.9	972.2	962.5
1116.4	10°	1094.1	1071.9	1054.4	1036.9	1021.0	1005.1	990.5	975.8	964.2	952.5
1118.6	12.5°	1100.4	1082.2	1070.6	1059.1	1046.5	1034.1	1018.9	1003.8	988.9	974.1
1109.2	15°	1100.5	1091.9	1093.4	1095.0	1091.8	1088.5	1075.4	1062.2	1041.0	1019.9
1080.8	17.5°	1084.0	1087.1	1106.2	1125.3	1135.4	1145.6	1134.9	1124.3	1096.3	1068.2
1034.4	20°	1049.3	1064.2	1097.3	1130.5	1151.7	1172.9	1168.0	1163.1	1131.0	1099.0
981.8	22.5°	1003.8	1025.8	1063.6	1101.5	1129.1	1156.7	1159.7	1162.6	1132.0	1101.4
930.7	25°	956.1	981.5	1015.5	1049.5	1076.7	1103.9	1114.0	1124.1	1099.0	1073.9
886.1	27.5°	910.6	935.1	963.1	991.0	1012.8	1034.6	1045.8	1057.2	1039.3	1021.4
846.9	30°	866.3	885.8	909.0	932.2	950.3	968.4	977.6	986.7	973.1	959.5
812.5	32.5°	824.0	835.5	854.0	872.6	889.9	907.3	917.4	927.7	915.2	902.6
780.0	35°	783.2	786.4	800.5	814.6	831.7	848.9	861.2	873.4	864.5	855.6
746.0	37.5°	742.5	739.0	749.1	759.3	776.4	793.5	808.6	823.8	819.7	815.6
708.7	40°	700.8	692.9	700.2	707.5	724.0	740.6	758.0	775.4	776.4	777.4
669.1	42.5°	658.6	648.1	654.1	660.1	675.7	691.4	710.3	729.1	734.1	739.1
629.8	45°	619.5	609.3	614.3	619.4	634.3	649.1	668.7	688.2	695.4	702.6
594.6	47.5°	586.1	577.5	582.2	586.9	601.5	616.0	635.2	654.5	662.8	671.1
563.7	50°	556.1	548.5	555.9	563.3	577.0	590.7	607.9	625.2	635.8	646.5
540.6	52.5°	533.1	525.6	536.7	547.7	560.3	572.9	588.9	605.0	617.7	630.3
528.4	55°	516.5	504.6	520.3	536.0	549.6	563.1	577.2	591.3	604.6	618.1
521.0	57.5°	503.7	486.4	503.3	520.2	536.1	552.0	565.9	579.9	593.4	606.9
514.1	60°	491.7	469.2	484.0	498.8	517.1	535.4	549.5	563.7	577.3	590.8
506.1	62.5°	478.0	450.0	459.4	468.8	490.1	511.4	526.5	541.6	554.0	566.5
489.1	65°	459.3	429.4	433.0	436.6	459.4	482.3	496.8	511.2	522.1	533.1
458.8	67.5°	434.0	409.1	408.0	406.9	427.9	449.1	462.8	476.4	485.9	495.3
420.4	70°	402.7	385.1	381.1	377.2	395.7	414.3	426.1	437.9	446.5	455.0
377.6	72.5°	365.5	353.4	347.6	341.9	356.5	371.1	381.7	392.4	400.8	409.1
329.1	75°	319.8	310.4	304.9	299.3	310.2	321.0	330.7	340.4	348.0	355.6
280.4	77.5°	272.9	265.5	259.9	254.3	263.1	271.9	280.2	288.5	296.5	304.5
225.0	80°	218.7	212.4	207.7	203.0	210.3	217.6	224.6	231.6	237.7	243.8
165.5	82.5°	162.4	159.3	156.0	152.7	152.1	151.5	149.0	146.6	159.5	172.5
108.9	85°	105.7	102.4	98.7	94.9	91.8	88.6	81.8	75.0	87.1	99.3
48.1	87.5°	46.8	45.5	44.8	44.1	44.0	43.8	38.7	33.5	38.5	43.7
0.0	90°	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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1140.1	0°	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1
1055.4	2.5°	1051.3	1048.0	1044.8	1041.8	1038.8	1035.1	1038.8	1041.8	1044.8	1048.0
993.0	5°	987.3	983.2	979.2	976.1	973.0	969.9	973.0	976.1	979.2	983.2
955.6	7.5°	948.8	944.1	939.5	936.7	933.9	931.8	933.9	936.7	939.5	944.1
944.9	10°	937.2	932.8	928.3	926.0	923.6	922.7	923.6	926.0	928.3	932.8
964.2	12.5°	954.4	949.4	944.5	942.5	940.5	940.2	940.5	942.5	944.5	949.4
1004.9	15°	989.9	983.1	976.2	973.6	971.0	970.8	971.0	973.6	976.2	983.1
1046.2	17.5°	1024.2	1014.0	1003.8	1000.5	997.1	996.6	997.1	1000.5	1003.8	1014.0
1071.9	20°	1044.9	1031.9	1018.9	1014.7	1010.6	1009.3	1010.6	1014.7	1018.9	1031.9
1073.5	22.5°	1045.7	1032.0	1018.2	1013.7	1009.1	1007.1	1009.1	1013.7	1018.2	1032.0
1049.2	25°	1024.5	1012.6	1000.7	996.4	992.1	989.6	992.1	996.4	1000.7	1012.6
1002.2	27.5°	983.0	975.1	967.1	965.1	963.1	962.5	963.1	965.1	967.1	975.1
945.8	30°	931.9	927.9	923.7	923.7	923.7	924.4	923.7	923.7	923.7	927.9
891.6	32.5°	880.7	878.0	875.3	875.7	876.1	876.7	876.1	875.7	875.3	878.0
845.5	35°	835.4	831.3	827.3	826.4	825.5	825.1	825.5	826.4	827.3	831.3
806.2	37.5°	796.9	789.5	782.1	778.2	774.3	772.2	774.3	778.2	782.1	789.5
769.5	40°	761.6	750.8	740.1	732.9	725.7	721.4	725.7	732.9	740.1	750.8
732.4	42.5°	725.8	712.4	699.1	688.6	678.0	671.1	678.0	688.6	699.1	712.4
696.6	45°	690.6	675.3	660.1	647.7	635.3	627.4	635.3	647.7	660.1	675.3
666.9	47.5°	662.7	649.1	635.6	624.1	612.7	605.0	612.7	624.1	635.6	649.1
646.3	50°	646.1	635.2	624.4	613.8	603.2	595.9	603.2	613.8	624.4	635.2
632.6	52.5°	634.9	626.0	617.2	607.7	598.3	591.5	598.3	607.7	617.2	626.0
621.2	55°	624.4	616.7	609.0	600.7	592.4	586.2	592.4	600.7	609.0	616.7
610.1	57.5°	613.3	605.5	597.7	589.5	581.2	574.9	581.2	589.5	597.7	605.5
594.3	60°	597.8	590.2	582.6	574.2	565.7	559.1	565.7	574.2	582.6	590.2
569.8	62.5°	573.2	566.3	559.5	550.5	541.6	533.7	541.6	550.5	559.5	566.3
536.5	65°	539.9	533.3	526.7	518.1	509.5	502.7	509.5	518.1	526.7	533.3
498.7	67.5°	502.0	495.9	489.9	481.8	473.8	467.7	473.8	481.8	489.9	495.9
458.2	70°	461.5	456.5	451.6	443.9	436.2	429.2	436.2	443.9	451.6	456.5
413.0	72.5°	416.8	412.7	408.6	401.3	394.0	387.2	394.0	401.3	408.6	412.7
359.6	75°	363.6	361.6	359.6	353.4	347.3	340.8	347.3	353.4	359.6	361.6
308.3	77.5°	312.0	309.2	306.3	300.1	293.9	288.7	293.9	300.1	306.3	309.2
248.8	80°	253.7	252.5	251.3	243.0	234.6	224.9	234.6	243.0	251.3	252.5
180.9	82.5°	189.4	188.9	188.3	181.3	174.2	168.0	174.2	181.3	188.3	188.9
109.8	85°	120.3	119.4	118.6	113.0	107.5	101.9	107.5	113.0	118.6	119.4
47.9	87.5°	52.1	51.1	50.0	47.2	44.3	41.6	44.3	47.2	50.0	51.1
0.0	90°	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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1140.1	0°	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1
1051.3	2.5°	1055.4	1059.6	1064.7	1069.9	1076.5	1083.1	1089.7	1096.3	1103.9	1111.4
987.3	5°	993.0	998.8	1007.0	1015.2	1025.9	1036.5	1048.2	1059.9	1073.2	1086.5
948.8	7.5°	955.6	962.5	972.2	981.9	994.9	1008.0	1022.8	1037.5	1055.0	1072.5
937.2	10°	944.9	952.5	964.2	975.8	990.5	1005.1	1021.0	1036.9	1054.4	1071.9
954.4	12.5°	964.2	974.1	988.9	1003.8	1018.9	1034.1	1046.5	1059.1	1070.6	1082.2
989.9	15°	1004.9	1019.9	1041.0	1062.2	1075.4	1088.5	1091.8	1095.0	1093.4	1091.9
1024.2	17.5°	1046.2	1068.2	1096.3	1124.3	1134.9	1145.6	1135.4	1125.3	1106.2	1087.1
1044.9	20°	1071.9	1099.0	1131.0	1163.1	1168.0	1172.9	1151.7	1130.5	1097.3	1064.2
1045.7	22.5°	1073.5	1101.4	1132.0	1162.6	1159.7	1156.7	1129.1	1101.5	1063.6	1025.8
1024.5	25°	1049.2	1073.9	1099.0	1124.1	1114.0	1103.9	1076.7	1049.5	1015.5	981.5
983.0	27.5°	1002.2	1021.4	1039.3	1057.2	1045.8	1034.6	1012.8	991.0	963.1	935.1
931.9	30°	945.8	959.5	973.1	986.7	977.6	968.4	950.3	932.2	909.0	885.8
880.7	32.5°	891.6	902.6	915.2	927.7	917.4	907.3	889.9	872.6	854.0	835.5
835.4	35°	845.5	855.6	864.5	873.4	861.2	848.9	831.7	814.6	800.5	786.4
796.9	37.5°	806.2	815.6	819.7	823.8	808.6	793.5	776.4	759.3	749.1	739.0
761.6	40°	769.5	777.4	776.4	775.4	758.0	740.6	724.0	707.5	700.2	692.9
725.8	42.5°	732.4	739.1	734.1	729.1	710.3	691.4	675.7	660.1	654.1	648.1
690.6	45°	696.6	702.6	695.4	688.2	668.7	649.1	634.3	619.4	614.3	609.3
662.7	47.5°	666.9	671.1	662.8	654.5	635.2	616.0	601.5	586.9	582.2	577.5
646.1	50°	646.3	646.5	635.8	625.2	607.9	590.7	577.0	563.3	555.9	548.5
634.9	52.5°	632.6	630.3	617.7	605.0	588.9	572.9	560.3	547.7	536.7	525.6
624.4	55°	621.2	618.1	604.6	591.3	577.2	563.1	549.6	536.0	520.3	504.6
613.3	57.5°	610.1	606.9	593.4	579.9	565.9	552.0	536.1	520.2	503.3	486.4
597.8	60°	594.3	590.8	577.3	563.7	549.5	535.4	517.1	498.8	484.0	469.2
573.2	62.5°	569.8	566.5	554.0	541.6	526.5	511.4	490.1	468.8	459.4	450.0
539.9	65°	536.5	533.1	522.1	511.2	496.8	482.3	459.4	436.6	433.0	429.4
502.0	67.5°	498.7	495.3	485.9	476.4	462.8	449.1	427.9	406.9	408.0	409.1
461.5	70°	458.2	455.0	446.5	437.9	426.1	414.3	395.7	377.2	381.1	385.1
416.8	72.5°	413.0	409.1	400.8	392.4	381.7	371.1	356.5	341.9	347.6	353.4
363.6	75°	359.6	355.6	348.0	340.4	330.7	321.0	310.2	299.3	304.9	310.4
312.0	77.5°	308.3	304.5	296.5	288.5	280.2	271.9	263.1	254.3	259.9	265.5
253.7	80°	248.8	243.8	237.7	231.6	224.6	217.6	210.3	203.0	207.7	212.4
189.4	82.5°	180.9	172.5	159.5	146.6	149.0	151.5	152.1	152.7	156.0	159.3
120.3	85°	109.8	99.3	87.1	75.0	81.8	88.6	91.8	94.9	98.7	102.4
52.1	87.5°	47.9	43.7	38.5	33.5	38.7	43.8	44.0	44.1	44.8	45.5
0.0	90°	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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1140.1	0°	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1
1119.8	2.5°	1128.2	1138.6	1147.9	1157.5	1167.1	1177.2	1187.2	1197.2	1207.2	1216.6
1102.4	5°	1118.2	1136.4	1154.7	1174.2	1193.7	1214.5	1235.4	1256.1	1276.8	1297.6
1093.5	7.5°	1114.6	1138.1	1163.2	1190.4	1217.5	1248.4	1279.2	1310.9	1342.6	1376.8
1094.1	10°	1116.4	1141.6	1172.5	1204.7	1236.9	1274.3	1311.8	1353.6	1395.5	1438.8
1100.4	12.5°	1118.6	1142.1	1174.6	1210.9	1247.3	1291.5	1335.6	1383.1	1430.5	1478.1
1100.5	15°	1109.2	1128.1	1164.1	1206.1	1248.2	1299.1	1350.0	1401.4	1452.9	1502.5
1084.0	17.5°	1080.8	1092.4	1134.7	1185.4	1236.0	1295.0	1354.1	1410.2	1466.4	1516.7
1049.3	20°	1034.4	1037.5	1086.8	1149.5	1212.3	1283.8	1355.4	1417.1	1478.8	1531.2
1003.8	22.5°	981.8	975.8	1031.9	1107.5	1183.0	1270.1	1357.2	1426.4	1495.5	1549.0
956.1	25°	930.7	914.6	972.1	1060.5	1149.1	1256.5	1364.1	1443.2	1522.2	1574.6
910.6	27.5°	886.1	866.4	918.8	1017.6	1116.5	1247.5	1378.5	1469.4	1560.3	1610.3
866.3	30°	846.9	831.4	875.4	981.8	1088.1	1243.2	1398.3	1503.4	1608.5	1656.8
824.0	32.5°	812.5	805.6	841.1	950.8	1060.5	1238.0	1415.3	1538.9	1662.4	1710.2
783.2	35°	780.0	782.9	812.4	920.4	1028.4	1228.1	1427.9	1579.3	1730.8	1776.6
742.5	37.5°	746.0	756.4	782.2	884.6	987.1	1211.2	1435.3	1624.6	1813.9	1872.3
700.8	40°	708.7	724.7	748.1	841.9	935.8	1187.9	1440.0	1682.1	1924.1	2009.2
658.6	42.5°	669.1	689.3	710.8	794.8	878.8	1163.8	1448.9	1757.3	2065.7	2188.5
619.5	45°	629.8	649.2	671.1	744.8	818.4	1141.4	1464.5	1856.2	2248.0	2413.6
586.1	47.5°	594.6	611.4	639.6	705.2	770.8	1123.0	1475.2	1961.7	2448.2	2681.3
556.1	50°	563.7	583.2	620.3	678.9	737.5	1102.9	1468.2	2059.5	2650.8	3002.2
533.1	52.5°	540.6	567.9	610.5	661.6	712.7	1068.9	1425.1	2123.0	2820.9	3339.3
516.5	55°	528.4	569.4	609.1	649.0	689.0	1012.5	1336.1	2109.0	2881.9	3638.2
503.7	57.5°	521.0	570.9	605.9	634.1	662.4	933.1	1203.7	2010.5	2817.3	3850.0
491.7	60°	514.1	566.1	589.2	611.4	633.6	829.9	1026.3	1827.2	2628.1	3903.0
478.0	62.5°	506.1	554.3	557.1	571.8	586.6	706.4	826.3	1579.2	2332.1	3680.1
459.3	65°	489.1	525.9	525.5	532.5	539.4	595.4	651.3	1326.3	2001.3	3364.7
434.0	67.5°	458.8	479.5	480.4	476.6	472.7	488.6	504.5	1078.5	1652.5	2989.4
402.7	70°	420.4	427.2	427.2	409.2	391.2	386.7	382.1	849.2	1316.2	2579.8
365.5	72.5°	377.6	377.5	373.3	347.8	322.2	308.5	294.8	649.2	1003.6	2135.9
319.8	75°	329.1	330.7	311.0	282.4	253.7	241.3	228.9	471.2	713.4	1627.0
272.9	77.5°	280.4	281.3	248.7	220.9	193.1	184.7	176.2	319.3	462.3	1138.7
218.7	80°	225.0	225.1	186.1	162.7	139.1	135.6	132.1	205.7	279.3	733.7
162.4	82.5°	165.5	163.6	130.4	113.0	95.7	95.0	94.4	126.5	158.7	424.6
105.7	85°	108.9	106.5	81.8	69.1	56.4	56.8	57.1	67.6	78.2	191.0
46.8	87.5°	48.1	45.1	34.8	29.6	24.4	24.7	25.0	28.0	31.1	62.6
0.0	90°	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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1140.1	0°	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1
1226.0	2.5°	1230.7	1235.4	1242.0	1248.6	1252.5	1256.5	1258.4	1260.4	1259.5	1260.4
1318.4	5°	1334.6	1350.9	1367.0	1383.1	1391.9	1400.6	1405.9	1411.2	1415.3	1411.2
1411.1	7.5°	1437.5	1463.9	1487.7	1511.4	1525.7	1540.0	1547.8	1555.5	1559.2	1555.5
1482.2	10°	1513.4	1544.7	1572.5	1600.4	1617.3	1634.1	1641.6	1649.1	1651.9	1649.1
1525.7	12.5°	1559.6	1593.4	1618.6	1643.7	1656.0	1668.2	1672.3	1676.4	1676.9	1676.4
1552.2	15°	1581.4	1610.6	1626.4	1642.2	1642.7	1643.1	1638.7	1634.4	1629.2	1634.4
1567.1	17.5°	1586.8	1606.5	1606.8	1607.1	1589.4	1571.7	1555.4	1539.2	1527.7	1539.2
1583.5	20°	1590.3	1597.3	1576.5	1555.7	1516.6	1477.5	1449.0	1420.5	1403.0	1420.5
1602.5	22.5°	1593.5	1584.5	1541.4	1498.4	1440.9	1383.3	1347.7	1312.1	1292.8	1312.1
1627.0	25°	1598.6	1570.1	1504.8	1439.4	1369.5	1299.7	1262.2	1224.9	1206.6	1224.9
1660.3	27.5°	1609.4	1558.5	1472.0	1385.4	1308.0	1230.6	1193.7	1156.9	1139.6	1156.9
1705.1	30°	1629.3	1553.5	1446.9	1340.4	1259.7	1179.0	1144.9	1110.7	1094.6	1110.7
1758.0	32.5°	1654.2	1550.4	1429.9	1309.3	1233.5	1157.7	1130.9	1104.0	1092.4	1104.0
1822.3	35°	1695.3	1568.3	1442.6	1317.0	1264.4	1211.7	1205.5	1199.2	1198.3	1199.2
1930.6	37.5°	1781.2	1631.7	1517.5	1403.4	1399.9	1396.5	1425.1	1453.8	1468.6	1453.8
2094.2	40°	1931.7	1769.2	1684.3	1599.4	1659.3	1719.2	1788.8	1858.3	1893.0	1858.3
2311.2	42.5°	2150.0	1988.7	1939.8	1890.9	2021.6	2152.3	2278.9	2405.4	2479.7	2405.4
2579.2	45°	2434.3	2289.4	2267.9	2246.3	2455.7	2665.2	2873.0	3081.0	3207.2	3081.0
2914.3	47.5°	2773.4	2632.4	2628.1	2623.7	2925.8	3227.8	3532.2	3836.5	4015.2	3836.5
3353.5	50°	3179.5	3005.4	3006.2	3006.9	3396.3	3785.6	4187.4	4589.1	4832.0	4589.1
3857.7	52.5°	3647.0	3436.2	3414.9	3393.6	3858.7	4323.7	4820.8	5317.8	5609.0	5317.8
4394.5	55°	4186.3	3978.0	3895.0	3811.9	4329.5	4847.1	5439.7	6032.3	6378.5	6032.3
4882.8	57.5°	4769.4	4655.9	4489.3	4322.7	4845.4	5368.0	6039.2	6710.4	7139.7	6710.4
5177.8	60°	5354.0	5530.2	5323.2	5116.3	5610.9	6105.5	6824.1	7542.8	8006.8	7542.8
5028.0	62.5°	5509.3	5990.6	5967.2	5943.9	6397.0	6850.1	7533.8	8217.5	8646.4	8217.5
4728.1	65°	5179.8	5631.5	5720.9	5810.2	6386.0	6961.9	7624.9	8287.8	8653.0	8287.8
4326.3	67.5°	4755.9	5185.5	5227.4	5269.3	5869.2	6469.2	7135.0	7800.8	8086.9	7800.8
3843.5	70°	4310.8	4778.1	4796.8	4815.6	5352.1	5888.6	6461.6	7034.5	7193.6	7034.5
3268.2	72.5°	3804.5	4340.7	4354.2	4367.6	4787.4	5207.2	5636.3	6065.4	6081.5	6065.4
2540.5	75°	3095.5	3650.5	3700.3	3750.1	4076.7	4403.3	4705.4	5007.4	4926.5	5007.4
1815.1	77.5°	2333.2	2851.3	2922.6	2993.9	3242.2	3490.5	3704.7	3919.0	3779.9	3919.0
1188.0	80°	1623.9	2059.7	2148.3	2236.9	2424.5	2611.9	2724.4	2836.9	2613.1	2836.9
690.6	82.5°	988.5	1286.6	1385.6	1484.6	1613.7	1742.7	1789.7	1836.6	1660.7	1836.6
303.8	85°	462.0	620.1	704.3	788.6	894.6	1000.6	1027.3	1053.9	913.0	1053.9
94.1	87.5°	147.2	200.4	247.4	294.3	347.4	400.4	402.7	404.9	339.9	404.9
0.0	90°	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):

325°		330°	335°	340°	345°	350°	355°	360°
1140.1	0°	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1	1140.1
1258.4	2.5°	1256.5	1252.5	1248.6	1242.0	1235.4	1230.7	1226.0
1405.9	5°	1400.6	1391.9	1383.1	1367.0	1350.9	1334.6	1318.4
1547.8	7.5°	1540.0	1525.7	1511.4	1487.7	1463.9	1437.5	1411.1
1641.6	10°	1634.1	1617.3	1600.4	1572.5	1544.7	1513.4	1482.2
1672.3	12.5°	1668.2	1656.0	1643.7	1618.6	1593.4	1559.6	1525.7
1638.7	15°	1643.1	1642.7	1642.2	1626.4	1610.6	1581.4	1552.2
1555.4	17.5°	1571.7	1589.4	1607.1	1606.8	1606.5	1586.8	1567.1
1449.0	20°	1477.5	1516.6	1555.7	1576.5	1597.3	1590.3	1583.5
1347.7	22.5°	1383.3	1440.9	1498.4	1541.4	1584.5	1593.5	1602.5
1262.2	25°	1299.7	1369.5	1439.4	1504.8	1570.1	1598.6	1627.0
1193.7	27.5°	1230.6	1308.0	1385.4	1472.0	1558.5	1609.4	1660.3
1144.9	30°	1179.0	1259.7	1340.4	1446.9	1553.5	1629.3	1705.1
1130.9	32.5°	1157.7	1233.5	1309.3	1429.9	1550.4	1654.2	1758.0
1205.5	35°	1211.7	1264.4	1317.0	1442.6	1568.3	1695.3	1822.3
1425.1	37.5°	1396.5	1399.9	1403.4	1517.5	1631.7	1781.2	1930.6
1788.8	40°	1719.2	1659.3	1599.4	1684.3	1769.2	1931.7	2094.2
2278.9	42.5°	2152.3	2021.6	1890.9	1939.8	1988.7	2150.0	2311.2
2873.0	45°	2665.2	2455.7	2246.3	2267.9	2289.4	2434.3	2579.2
3532.2	47.5°	3227.8	2925.8	2623.7	2628.1	2632.4	2773.4	2914.3
4187.4	50°	3785.6	3396.3	3006.9	3006.2	3005.4	3179.5	3353.5
4820.8	52.5°	4323.7	3858.7	3393.6	3414.9	3436.2	3647.0	3857.7
5439.7	55°	4847.1	4329.5	3811.9	3895.0	3978.0	4186.3	4394.5
6039.2	57.5°	5368.0	4845.4	4322.7	4489.3	4655.9	4769.4	4882.8
6824.1	60°	6105.5	5610.9	5116.3	5323.2	5530.2	5354.0	5177.8
7533.8	62.5°	6850.1	6397.0	5943.9	5967.2	5990.6	5509.3	5028.0
7624.9	65°	6961.9	6386.0	5810.2	5720.9	5631.5	5179.8	4728.1
7135.0	67.5°	6469.2	5869.2	5269.3	5227.4	5185.5	4755.9	4326.3
6461.6	70°	5888.6	5352.1	4815.6	4796.8	4778.1	4310.8	3843.5
5636.3	72.5°	5207.2	4787.4	4367.6	4354.2	4340.7	3804.5	3268.2
4705.4	75°	4403.3	4076.7	3750.1	3700.3	3650.5	3095.5	2540.5
3704.7	77.5°	3490.5	3242.2	2993.9	2922.6	2851.3	2333.2	1815.1
2724.4	80°	2611.9	2424.5	2236.9	2148.3	2059.7	1623.9	1188.0
1789.7	82.5°	1742.7	1613.7	1484.6	1385.6	1286.6	988.5	690.6
1027.3	85°	1000.6	894.6	788.6	704.3	620.1	462.0	303.8
402.7	87.5°	400.4	347.4	294.3	247.4	200.4	147.2	94.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)