

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: P946060

Luminaire Tested: **GALN-SB1D-827-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946060  
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-SB1D-827-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

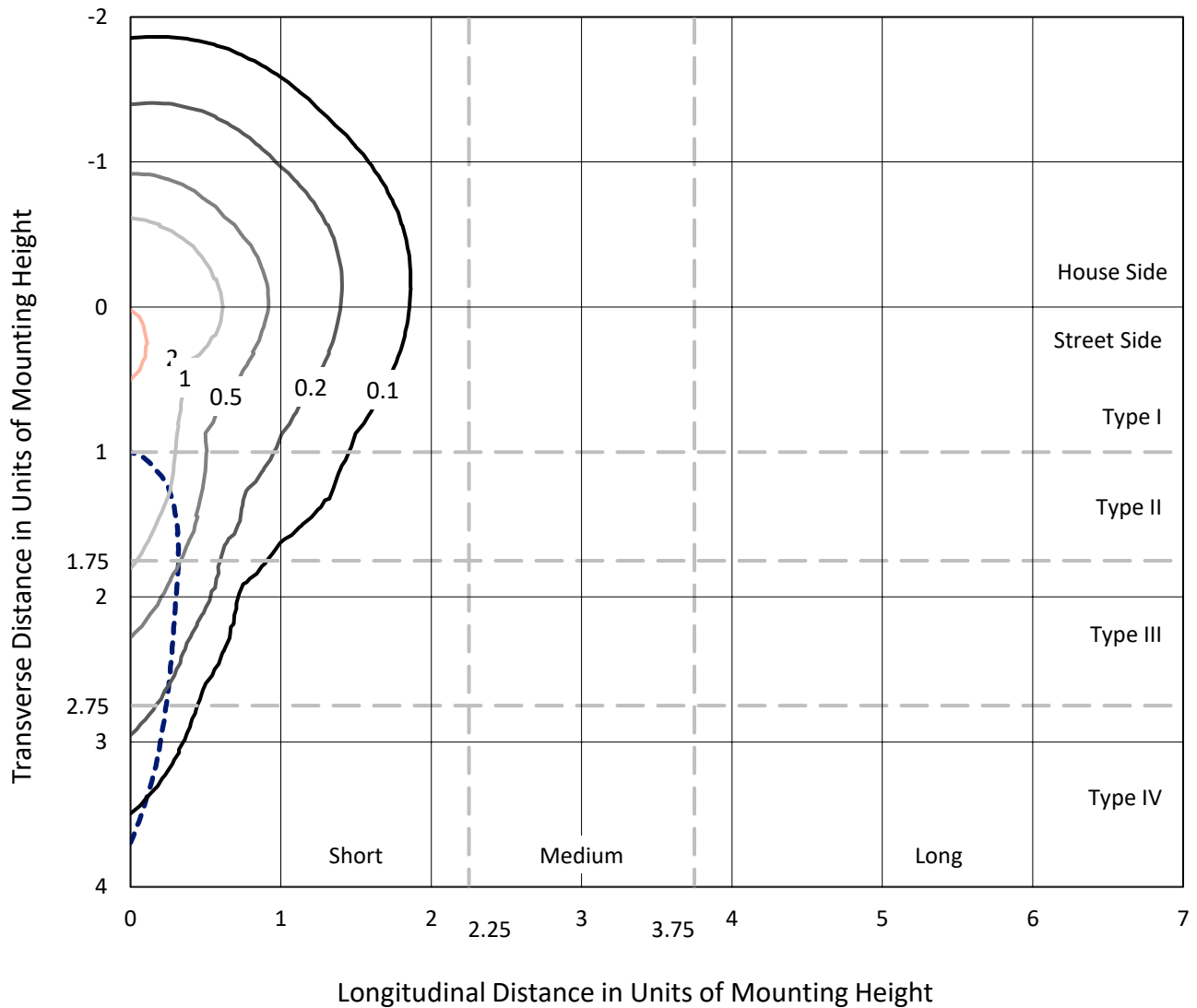
Lumens per Lamp: N/A  
Luminaire Lumens: 8820 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

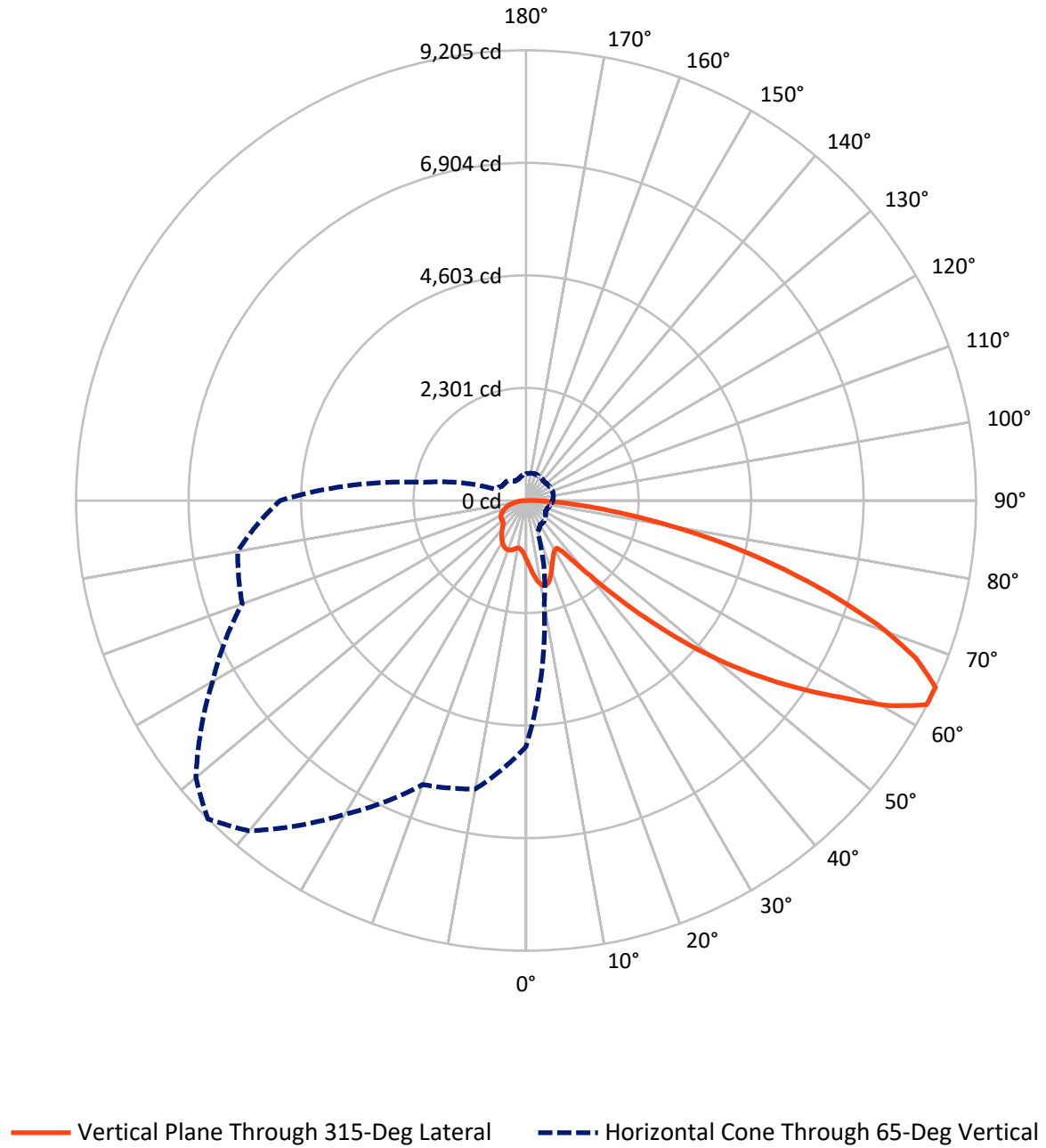
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2241.6	0.0	2241.6
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	6578.4	0.0	6578.4
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	8820.0	0.0	8820.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.3	1.4
10°-20°	377.7	4.3
20°-30°	583.4	6.6
30°-40°	739.3	8.4
40°-50°	1115.1	12.6
50°-60°	1801.5	20.4
60°-70°	2245.9	25.5
70°-80°	1472.7	16.7
80°-90°	364.1	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°	8820.0	100.0
0°-180°	8820.0	100.0

**Coefficient of Utilization**



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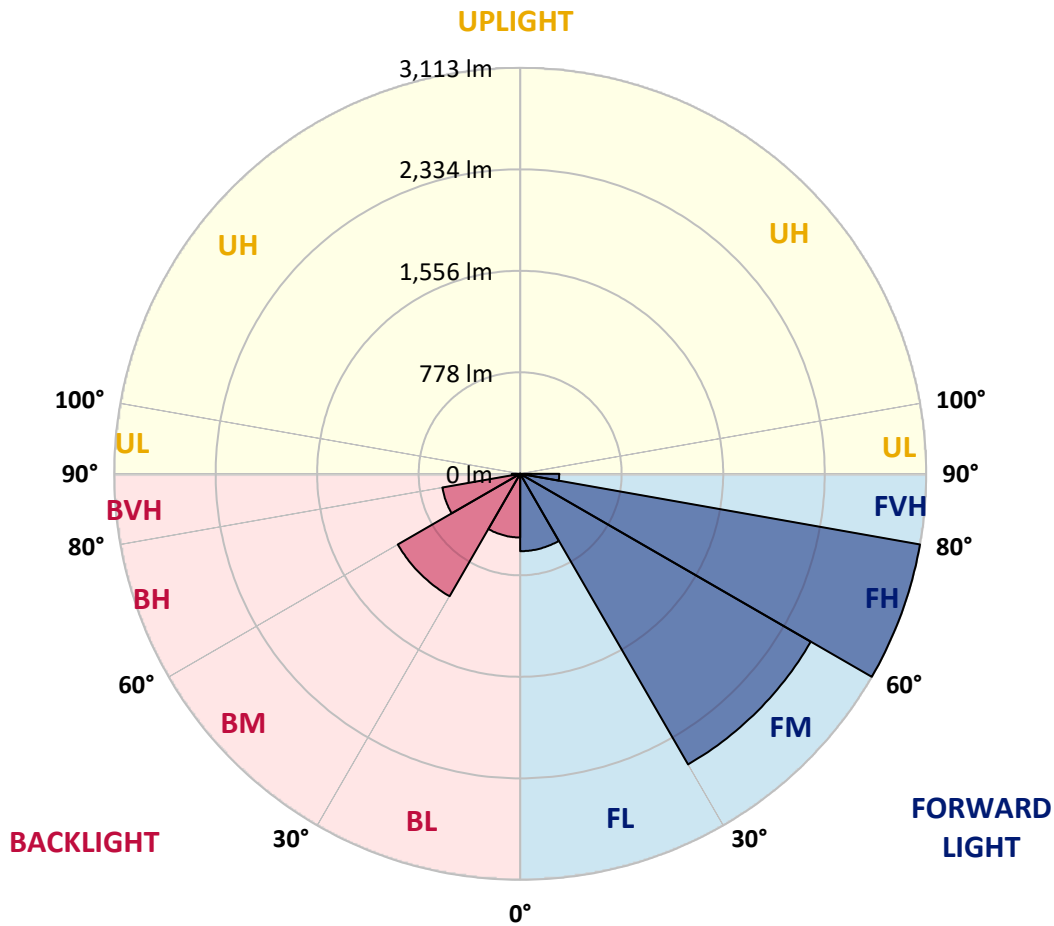
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	593.2	6.7			
FM (30°-60°)	2572.6	29.2			
FH (60°-80°)	3112.6	35.3			G2/5000
FVH (80°-90°)	299.9	3.4			G3/500
BL (0°-30°)	488.1	5.5	B1/500		
BM (30°-60°)	1083.3	12.3	B2/2500		
BH (60°-80°)	606.0	6.9	B2/1000		G2/1000
BVH (80°-90°)	64.2	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°	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8
2.5°	1304.3	1294.3	1284.3	1273.6	1263.0	1252.3	1241.6	1231.3	1221.1	1211.2
5°	1402.5	1380.4	1358.3	1336.2	1314.2	1292.0	1269.8	1249.1	1228.4	1208.9
7.5°	1501.1	1464.7	1428.2	1394.5	1360.8	1328.0	1295.2	1266.3	1237.4	1210.7
10°	1576.8	1530.6	1484.5	1440.0	1395.5	1355.7	1315.8	1281.6	1247.4	1214.5
12.5°	1623.1	1572.4	1521.8	1471.3	1420.9	1373.9	1326.8	1288.2	1249.5	1214.9
15°	1651.2	1598.4	1545.6	1490.9	1436.1	1382.0	1327.9	1283.1	1238.3	1200.0
17.5°	1667.1	1613.5	1559.9	1500.2	1440.5	1377.7	1314.8	1261.0	1207.1	1162.1
20°	1684.5	1628.8	1573.1	1507.5	1441.9	1365.8	1289.6	1222.9	1156.1	1103.7
22.5°	1704.8	1647.9	1591.0	1517.4	1443.8	1351.1	1258.5	1178.2	1097.8	1038.1
25°	1730.8	1675.1	1619.4	1535.3	1451.1	1336.7	1222.4	1128.2	1034.1	972.9
27.5°	1766.2	1713.0	1659.8	1563.2	1466.5	1327.1	1187.7	1082.6	977.4	921.7
30°	1813.9	1762.5	1711.2	1599.3	1487.5	1322.6	1157.5	1044.4	931.3	884.5
32.5°	1870.2	1819.3	1768.5	1637.1	1505.7	1317.0	1128.2	1011.5	894.7	857.0
35°	1938.6	1889.9	1841.2	1680.1	1519.0	1306.5	1094.1	979.1	864.2	832.8
37.5°	2053.8	1991.7	1929.6	1728.3	1526.9	1288.5	1050.0	941.1	832.1	804.7
40°	2227.9	2137.4	2046.9	1789.4	1531.9	1263.6	995.5	895.7	795.8	770.9
42.5°	2458.7	2328.1	2197.5	1869.4	1541.3	1238.1	934.9	845.5	756.2	733.2
45°	2743.8	2567.6	2391.4	1974.7	1557.9	1214.3	870.7	792.3	713.9	690.6
47.5°	3100.2	2852.3	2604.4	2086.8	1569.3	1194.6	819.9	750.2	680.4	650.4
50°	3567.5	3193.7	2819.9	2190.9	1561.9	1173.2	784.6	722.2	659.8	620.4
52.5°	4103.9	3552.4	3000.9	2258.5	1516.0	1137.1	758.1	703.8	649.5	604.1
55°	4674.9	3870.3	3065.8	2243.6	1421.3	1077.1	732.9	690.4	647.9	605.7
57.5°	5194.3	4095.7	2997.1	2138.8	1280.5	992.6	704.6	674.6	644.6	607.3
60°	5508.2	4152.0	2795.7	1943.7	1091.7	882.9	674.0	650.4	626.8	602.2
62.5°	5348.8	3914.9	2480.9	1680.0	879.0	751.5	624.0	608.3	592.7	589.7
65°	5029.8	3579.4	2129.0	1410.9	692.9	633.4	573.8	566.4	559.0	559.4
67.5°	4602.3	3180.1	1757.9	1147.3	536.7	519.8	502.9	507.0	511.1	510.1
70°	4088.7	2744.4	1400.1	903.3	406.5	411.4	416.2	435.3	454.5	454.5
72.5°	3476.8	2272.2	1067.6	690.6	313.6	328.2	342.8	369.9	397.1	401.6
75°	2702.6	1730.8	759.0	501.2	243.5	256.7	269.9	300.4	330.8	351.8
77.5°	1930.9	1211.4	491.8	339.6	187.5	196.4	205.5	235.0	264.6	299.3
80°	1263.8	780.5	297.2	218.8	140.6	144.3	148.0	173.0	198.0	239.4
82.5°	734.6	451.7	168.8	134.6	100.4	101.1	101.8	120.3	138.7	174.1
85°	323.2	203.2	83.2	72.0	60.7	60.4	60.0	73.5	87.0	113.3
87.5°	100.1	66.6	33.0	29.8	26.6	26.3	26.0	31.5	37.0	47.9
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°
1212.8	0°	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8
1200.2	2.5°	1191.2	1182.3	1174.3	1166.3	1159.3	1152.2	1145.2	1138.1	1132.7	1127.2
1189.6	5°	1172.7	1155.8	1141.7	1127.6	1115.1	1102.6	1091.3	1080.0	1071.3	1062.5
1185.7	7.5°	1163.3	1140.9	1122.3	1103.7	1088.0	1072.3	1058.4	1044.6	1034.2	1023.9
1187.6	10°	1164.0	1140.3	1121.7	1103.1	1086.2	1069.3	1053.7	1038.1	1025.7	1013.3
1189.9	12.5°	1170.6	1151.3	1138.9	1126.6	1113.3	1100.1	1084.0	1067.9	1052.0	1036.2
1180.0	15°	1170.8	1161.5	1163.2	1164.9	1161.4	1158.0	1144.0	1130.0	1107.5	1084.9
1149.8	17.5°	1153.2	1156.5	1176.8	1197.1	1207.9	1218.6	1207.3	1196.1	1166.2	1136.4
1100.4	20°	1116.3	1132.1	1167.3	1202.6	1225.2	1247.7	1242.5	1237.3	1203.1	1169.1
1044.4	22.5°	1067.9	1091.3	1131.5	1171.8	1201.1	1230.5	1233.7	1236.8	1204.2	1171.6
990.1	25°	1017.1	1044.1	1080.3	1116.5	1145.4	1174.3	1185.1	1195.8	1169.1	1142.5
942.7	27.5°	968.7	994.8	1024.5	1054.2	1077.4	1100.6	1112.6	1124.6	1105.6	1086.6
900.9	30°	921.6	942.3	967.0	991.7	1010.9	1030.2	1039.9	1049.7	1035.2	1020.7
864.3	32.5°	876.6	888.8	908.5	928.2	946.7	965.1	976.0	986.9	973.6	960.2
829.8	35°	833.2	836.6	851.6	866.6	884.8	903.1	916.1	929.2	919.7	910.2
793.6	37.5°	789.9	786.1	796.9	807.7	825.9	844.1	860.2	876.3	872.0	867.6
753.9	40°	745.5	737.1	744.9	752.6	770.2	787.8	806.3	824.9	826.0	827.0
711.8	42.5°	700.7	689.5	695.8	702.2	718.9	735.6	755.6	775.6	780.9	786.3
669.9	45°	659.0	648.2	653.5	658.9	674.7	690.6	711.3	732.1	739.7	747.4
632.6	47.5°	623.4	614.3	619.4	624.3	639.8	655.3	675.8	696.2	705.1	713.9
599.7	50°	591.6	583.5	591.3	599.2	613.8	628.4	646.7	665.1	676.4	687.8
575.1	52.5°	567.1	559.2	570.9	582.7	596.1	609.4	626.5	643.6	657.1	670.5
562.1	55°	549.4	536.8	553.5	570.2	584.6	599.1	614.0	629.0	643.2	657.5
554.3	57.5°	535.9	517.4	535.4	553.4	570.3	587.2	602.0	616.9	631.3	645.6
546.9	60°	523.1	499.1	514.9	530.6	550.1	569.6	584.6	599.7	614.1	628.5
538.4	62.5°	508.5	478.7	488.7	498.7	521.3	544.0	560.1	576.2	589.4	602.6
520.3	65°	488.6	456.8	460.7	464.5	488.8	513.1	528.5	543.8	555.5	567.1
488.1	67.5°	461.7	435.2	434.0	432.8	455.3	477.7	492.3	506.8	516.9	526.9
447.2	70°	428.4	409.6	405.5	401.3	421.0	440.7	453.3	465.9	474.9	484.0
401.7	72.5°	388.8	375.9	369.8	363.7	379.3	394.8	406.1	417.5	426.4	435.2
350.1	75°	340.2	330.2	324.3	318.4	330.0	341.5	351.8	362.1	370.2	378.3
298.3	77.5°	290.4	282.4	276.4	270.5	279.9	289.2	298.1	306.9	315.4	323.9
239.3	80°	232.7	226.0	221.0	215.9	223.8	231.5	239.0	246.4	252.9	259.3
176.0	82.5°	172.8	169.5	166.0	162.4	161.8	161.1	158.5	155.9	169.7	183.5
115.9	85°	112.4	108.9	104.9	101.0	97.6	94.2	87.0	79.8	92.7	105.6
51.2	87.5°	49.8	48.4	47.7	46.9	46.8	46.6	41.1	35.6	41.0	46.4
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°
1212.8	0°	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8
1122.8	2.5°	1118.4	1114.9	1111.5	1108.3	1105.1	1101.1	1105.1	1108.3	1111.5	1114.9
1056.4	5°	1050.3	1046.0	1041.7	1038.3	1035.0	1031.8	1035.0	1038.3	1041.7	1046.0
1016.6	7.5°	1009.4	1004.4	999.4	996.5	993.5	991.3	993.5	996.5	999.4	1004.4
1005.2	10°	997.0	992.3	987.6	985.1	982.5	981.5	982.5	985.1	987.6	992.3
1025.7	12.5°	1015.3	1010.0	1004.8	1002.7	1000.5	1000.1	1000.5	1002.7	1004.8	1010.0
1069.0	15°	1053.1	1045.8	1038.5	1035.7	1032.9	1032.7	1032.9	1035.7	1038.5	1045.8
1113.0	17.5°	1089.5	1078.7	1067.9	1064.3	1060.7	1060.2	1060.7	1064.3	1067.9	1078.7
1140.3	20°	1111.6	1097.8	1083.9	1079.5	1075.1	1073.7	1075.1	1079.5	1083.9	1097.8
1142.0	22.5°	1112.4	1097.8	1083.2	1078.3	1073.4	1071.3	1073.4	1078.3	1083.2	1097.8
1116.1	25°	1089.9	1077.2	1064.6	1060.0	1055.4	1052.7	1055.4	1060.0	1064.6	1077.2
1066.2	27.5°	1045.7	1037.3	1028.8	1026.7	1024.6	1023.9	1024.6	1026.7	1028.8	1037.3
1006.1	30°	991.4	987.1	982.7	982.7	982.7	983.4	982.7	982.7	982.7	987.1
948.5	32.5°	936.8	934.0	931.2	931.5	932.0	932.7	932.0	931.5	931.2	934.0
899.4	35°	888.7	884.3	880.1	879.1	878.2	877.7	878.2	879.1	880.1	884.3
857.7	37.5°	847.7	839.9	832.0	827.9	823.8	821.4	823.8	827.9	832.0	839.9
818.6	40°	810.2	798.7	787.4	779.6	772.0	767.4	772.0	779.6	787.4	798.7
779.2	42.5°	772.1	757.9	743.7	732.5	721.3	713.9	721.3	732.5	743.7	757.9
741.0	45°	734.6	718.4	702.2	689.0	675.9	667.4	675.9	689.0	702.2	718.4
709.5	47.5°	705.0	690.6	676.1	663.9	651.8	643.6	651.8	663.9	676.1	690.6
687.5	50°	687.3	675.8	664.2	653.0	641.7	633.9	641.7	653.0	664.2	675.8
673.0	52.5°	675.4	666.0	656.6	646.5	636.4	629.2	636.4	646.5	656.6	666.0
660.9	55°	664.2	656.0	647.8	639.0	630.1	623.6	630.1	639.0	647.8	656.0
649.0	57.5°	652.4	644.1	635.8	627.1	618.3	611.5	618.3	627.1	635.8	644.1
632.2	60°	636.0	627.9	619.8	610.8	601.8	594.8	601.8	610.8	619.8	627.9
606.2	62.5°	609.8	602.5	595.2	585.7	576.2	567.8	576.2	585.7	595.2	602.5
570.8	65°	574.4	567.4	560.3	551.1	542.0	534.7	542.0	551.1	560.3	567.4
530.5	67.5°	534.0	527.6	521.2	512.6	504.0	497.5	504.0	512.6	521.2	527.6
487.5	70°	490.9	485.6	480.4	472.2	464.0	456.6	464.0	472.2	480.4	485.6
439.3	72.5°	443.4	439.1	434.7	426.9	419.1	411.9	419.1	426.9	434.7	439.1
382.6	75°	386.8	384.7	382.6	376.0	369.4	362.5	369.4	376.0	382.6	384.7
327.9	77.5°	331.9	328.9	325.9	319.3	312.7	307.2	312.7	319.3	325.9	328.9
264.6	80°	269.9	268.6	267.4	258.5	249.5	239.2	249.5	258.5	267.4	268.6
192.5	82.5°	201.5	201.0	200.4	192.9	185.3	178.7	185.3	192.9	200.4	201.0
116.8	85°	128.0	127.1	126.1	120.3	114.4	108.4	114.4	120.3	126.1	127.1
51.0	87.5°	55.5	54.4	53.1	50.2	47.1	44.2	47.1	50.2	53.1	54.4
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°
1212.8	0°	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8
1118.4	2.5°	1122.8	1127.2	1132.7	1138.1	1145.2	1152.2	1159.3	1166.3	1174.3	1182.3
1050.3	5°	1056.4	1062.5	1071.3	1080.0	1091.3	1102.6	1115.1	1127.6	1141.7	1155.8
1009.4	7.5°	1016.6	1023.9	1034.2	1044.6	1058.4	1072.3	1088.0	1103.7	1122.3	1140.9
997.0	10°	1005.2	1013.3	1025.7	1038.1	1053.7	1069.3	1086.2	1103.1	1121.7	1140.3
1015.3	12.5°	1025.7	1036.2	1052.0	1067.9	1084.0	1100.1	1113.3	1126.6	1138.9	1151.3
1053.1	15°	1069.0	1084.9	1107.5	1130.0	1144.0	1158.0	1161.4	1164.9	1163.2	1161.5
1089.5	17.5°	1113.0	1136.4	1166.2	1196.1	1207.3	1218.6	1207.9	1197.1	1176.8	1156.5
1111.6	20°	1140.3	1169.1	1203.1	1237.3	1242.5	1247.7	1225.2	1202.6	1167.3	1132.1
1112.4	22.5°	1142.0	1171.6	1204.2	1236.8	1233.7	1230.5	1201.1	1171.8	1131.5	1091.3
1089.9	25°	1116.1	1142.5	1169.1	1195.8	1185.1	1174.3	1145.4	1116.5	1080.3	1044.1
1045.7	27.5°	1066.2	1086.6	1105.6	1124.6	1112.6	1100.6	1077.4	1054.2	1024.5	994.8
991.4	30°	1006.1	1020.7	1035.2	1049.7	1039.9	1030.2	1010.9	991.7	967.0	942.3
936.8	32.5°	948.5	960.2	973.6	986.9	976.0	965.1	946.7	928.2	908.5	888.8
888.7	35°	899.4	910.2	919.7	929.2	916.1	903.1	884.8	866.6	851.6	836.6
847.7	37.5°	857.7	867.6	872.0	876.3	860.2	844.1	825.9	807.7	796.9	786.1
810.2	40°	818.6	827.0	826.0	824.9	806.3	787.8	770.2	752.6	744.9	737.1
772.1	42.5°	779.2	786.3	780.9	775.6	755.6	735.6	718.9	702.2	695.8	689.5
734.6	45°	741.0	747.4	739.7	732.1	711.3	690.6	674.7	658.9	653.5	648.2
705.0	47.5°	709.5	713.9	705.1	696.2	675.8	655.3	639.8	624.3	619.4	614.3
687.3	50°	687.5	687.8	676.4	665.1	646.7	628.4	613.8	599.2	591.3	583.5
675.4	52.5°	673.0	670.5	657.1	643.6	626.5	609.4	596.1	582.7	570.9	559.2
664.2	55°	660.9	657.5	643.2	629.0	614.0	599.1	584.6	570.2	553.5	536.8
652.4	57.5°	649.0	645.6	631.3	616.9	602.0	587.2	570.3	553.4	535.4	517.4
636.0	60°	632.2	628.5	614.1	599.7	584.6	569.6	550.1	530.6	514.9	499.1
609.8	62.5°	606.2	602.6	589.4	576.2	560.1	544.0	521.3	498.7	488.7	478.7
574.4	65°	570.8	567.1	555.5	543.8	528.5	513.1	488.8	464.5	460.7	456.8
534.0	67.5°	530.5	526.9	516.9	506.8	492.3	477.7	455.3	432.8	434.0	435.2
490.9	70°	487.5	484.0	474.9	465.9	453.3	440.7	421.0	401.3	405.5	409.6
443.4	72.5°	439.3	435.2	426.4	417.5	406.1	394.8	379.3	363.7	369.8	375.9
386.8	75°	382.6	378.3	370.2	362.1	351.8	341.5	330.0	318.4	324.3	330.2
331.9	77.5°	327.9	323.9	315.4	306.9	298.1	289.2	279.9	270.5	276.4	282.4
269.9	80°	264.6	259.3	252.9	246.4	239.0	231.5	223.8	215.9	221.0	226.0
201.5	82.5°	192.5	183.5	169.7	155.9	158.5	161.1	161.8	162.4	166.0	169.5
128.0	85°	116.8	105.6	92.7	79.8	87.0	94.2	97.6	101.0	104.9	108.9
55.5	87.5°	51.0	46.4	41.0	35.6	41.1	46.6	46.8	46.9	47.7	48.4
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°
1212.8	0°	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8
1191.2	2.5°	1200.2	1211.2	1221.1	1231.3	1241.6	1252.3	1263.0	1273.6	1284.3	1294.3
1172.7	5°	1189.6	1208.9	1228.4	1249.1	1269.8	1292.0	1314.2	1336.2	1358.3	1380.4
1163.3	7.5°	1185.7	1210.7	1237.4	1266.3	1295.2	1328.0	1360.8	1394.5	1428.2	1464.7
1164.0	10°	1187.6	1214.5	1247.4	1281.6	1315.8	1355.7	1395.5	1440.0	1484.5	1530.6
1170.6	12.5°	1189.9	1214.9	1249.5	1288.2	1326.8	1373.9	1420.9	1471.3	1521.8	1572.4
1170.8	15°	1180.0	1200.0	1238.3	1283.1	1327.9	1382.0	1436.1	1490.9	1545.6	1598.4
1153.2	17.5°	1149.8	1162.1	1207.1	1261.0	1314.8	1377.7	1440.5	1500.2	1559.9	1613.5
1116.3	20°	1100.4	1103.7	1156.1	1222.9	1289.6	1365.8	1441.9	1507.5	1573.1	1628.8
1067.9	22.5°	1044.4	1038.1	1097.8	1178.2	1258.5	1351.1	1443.8	1517.4	1591.0	1647.9
1017.1	25°	990.1	972.9	1034.1	1128.2	1222.4	1336.7	1451.1	1535.3	1619.4	1675.1
968.7	27.5°	942.7	921.7	977.4	1082.6	1187.7	1327.1	1466.5	1563.2	1659.8	1713.0
921.6	30°	900.9	884.5	931.3	1044.4	1157.5	1322.6	1487.5	1599.3	1711.2	1762.5
876.6	32.5°	864.3	857.0	894.7	1011.5	1128.2	1317.0	1505.7	1637.1	1768.5	1819.3
833.2	35°	829.8	832.8	864.2	979.1	1094.1	1306.5	1519.0	1680.1	1841.2	1889.9
789.9	37.5°	793.6	804.7	832.1	941.1	1050.0	1288.5	1526.9	1728.3	1929.6	1991.7
745.5	40°	753.9	770.9	795.8	895.7	995.5	1263.6	1531.9	1789.4	2046.9	2137.4
700.7	42.5°	711.8	733.2	756.2	845.5	934.9	1238.1	1541.3	1869.4	2197.5	2328.1
659.0	45°	669.9	690.6	713.9	792.3	870.7	1214.3	1557.9	1974.7	2391.4	2567.6
623.4	47.5°	632.6	650.4	680.4	750.2	819.9	1194.6	1569.3	2086.8	2604.4	2852.3
591.6	50°	599.7	620.4	659.8	722.2	784.6	1173.2	1561.9	2190.9	2819.9	3193.7
567.1	52.5°	575.1	604.1	649.5	703.8	758.1	1137.1	1516.0	2258.5	3000.9	3552.4
549.4	55°	562.1	605.7	647.9	690.4	732.9	1077.1	1421.3	2243.6	3065.8	3870.3
535.9	57.5°	554.3	607.3	644.6	674.6	704.6	992.6	1280.5	2138.8	2997.1	4095.7
523.1	60°	546.9	602.2	626.8	650.4	674.0	882.9	1091.7	1943.7	2795.7	4152.0
508.5	62.5°	538.4	589.7	592.7	608.3	624.0	751.5	879.0	1680.0	2480.9	3914.9
488.6	65°	520.3	559.4	559.0	566.4	573.8	633.4	692.9	1410.9	2129.0	3579.4
461.7	67.5°	488.1	510.1	511.1	507.0	502.9	519.8	536.7	1147.3	1757.9	3180.1
428.4	70°	447.2	454.5	454.5	435.3	416.2	411.4	406.5	903.3	1400.1	2744.4
388.8	72.5°	401.7	401.6	397.1	369.9	342.8	328.2	313.6	690.6	1067.6	2272.2
340.2	75°	350.1	351.8	330.8	300.4	269.9	256.7	243.5	501.2	759.0	1730.8
290.4	77.5°	298.3	299.3	264.6	235.0	205.5	196.4	187.5	339.6	491.8	1211.4
232.7	80°	239.3	239.4	198.0	173.0	148.0	144.3	140.6	218.8	297.2	780.5
172.8	82.5°	176.0	174.1	138.7	120.3	101.8	101.1	100.4	134.6	168.8	451.7
112.4	85°	115.9	113.3	87.0	73.5	60.0	60.4	60.7	72.0	83.2	203.2
49.8	87.5°	51.2	47.9	37.0	31.5	26.0	26.3	26.6	29.8	33.0	66.6
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°
1212.8	0°	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8
1304.3	2.5°	1309.2	1314.2	1321.2	1328.2	1332.4	1336.6	1338.7	1340.8	1339.9	1340.8
1402.5	5°	1419.7	1437.1	1454.2	1471.4	1480.7	1490.0	1495.6	1501.3	1505.6	1501.3
1501.1	7.5°	1529.2	1557.3	1582.6	1607.9	1623.1	1638.3	1646.5	1654.7	1658.7	1654.7
1576.8	10°	1610.0	1643.2	1672.9	1702.5	1720.5	1738.4	1746.4	1754.3	1757.3	1754.3
1623.1	12.5°	1659.1	1695.1	1721.9	1748.6	1761.6	1774.7	1779.0	1783.4	1783.9	1783.4
1651.2	15°	1682.3	1713.4	1730.2	1747.0	1747.5	1747.9	1743.3	1738.6	1733.1	1738.6
1667.1	17.5°	1688.0	1709.0	1709.4	1709.6	1690.8	1671.9	1654.7	1637.4	1625.2	1637.4
1684.5	20°	1691.8	1699.2	1677.1	1655.0	1613.3	1571.7	1541.4	1511.1	1492.5	1511.1
1704.8	22.5°	1695.2	1685.6	1639.8	1594.0	1532.8	1471.6	1433.7	1395.8	1375.2	1395.8
1730.8	25°	1700.6	1670.3	1600.8	1531.3	1456.9	1382.6	1342.8	1303.0	1283.6	1303.0
1766.2	27.5°	1712.1	1658.0	1565.9	1473.8	1391.4	1309.1	1269.9	1230.7	1212.4	1230.7
1813.9	30°	1733.2	1652.6	1539.3	1425.9	1340.1	1254.2	1217.9	1181.6	1164.4	1181.6
1870.2	32.5°	1759.8	1649.4	1521.1	1392.8	1312.2	1231.5	1203.0	1174.4	1162.1	1174.4
1938.6	35°	1803.5	1668.4	1534.7	1401.1	1345.0	1289.1	1282.4	1275.7	1274.7	1275.7
2053.8	37.5°	1894.8	1735.8	1614.4	1492.9	1489.3	1485.6	1516.1	1546.5	1562.3	1546.5
2227.9	40°	2055.0	1882.1	1791.7	1701.4	1765.2	1828.9	1902.9	1976.9	2013.8	1976.9
2458.7	42.5°	2287.1	2115.6	2063.6	2011.5	2150.6	2289.7	2424.3	2558.8	2637.9	2558.8
2743.8	45°	2589.7	2435.5	2412.6	2389.6	2612.4	2835.2	3056.4	3277.6	3411.8	3277.6
3100.2	47.5°	2950.3	2800.4	2795.7	2791.1	3112.5	3433.8	3757.6	4081.3	4271.4	4081.3
3567.5	50°	3382.3	3197.2	3198.0	3198.8	3613.0	4027.2	4454.6	4881.9	5140.3	4881.9
4103.9	52.5°	3879.6	3655.5	3632.8	3610.1	4104.9	4599.6	5128.4	5657.1	5966.9	5657.1
4674.9	55°	4453.4	4231.9	4143.5	4055.1	4605.8	5156.4	5786.8	6417.1	6785.5	6417.1
5194.3	57.5°	5073.7	4953.0	4775.7	4598.5	5154.5	5710.5	6424.5	7138.5	7595.3	7138.5
5508.2	60°	5695.6	5883.0	5662.9	5442.7	5968.9	6495.1	7259.5	8024.0	8517.7	8024.0
5348.8	62.5°	5860.8	6372.8	6348.0	6323.1	6805.1	7287.2	8014.5	8741.8	9198.1	8741.8
5029.8	65°	5510.3	5990.8	6085.9	6180.9	6793.5	7406.1	8111.4	8816.6	9205.1	8816.6
4602.3	67.5°	5059.3	5516.4	5560.9	5605.5	6243.7	6881.9	7590.2	8298.5	8602.9	8298.5
4088.7	70°	4585.8	5083.0	5102.9	5122.9	5693.6	6264.3	6873.9	7483.4	7652.5	7483.4
3476.8	72.5°	4047.2	4617.7	4632.0	4646.3	5092.8	5539.4	5995.9	6452.4	6469.5	6452.4
2702.6	75°	3293.0	3883.4	3936.4	3989.4	4336.8	4684.2	5005.6	5326.9	5240.8	5326.9
1930.9	77.5°	2482.1	3033.2	3109.1	3184.9	3449.1	3713.2	3941.1	4169.0	4021.0	4169.0
1263.8	80°	1727.5	2191.1	2285.4	2379.7	2579.1	2778.5	2898.2	3017.9	2779.8	3017.9
734.6	82.5°	1051.6	1368.6	1474.0	1579.3	1716.6	1853.9	1903.8	1953.7	1766.6	1953.7
323.2	85°	491.5	659.7	749.3	838.9	951.7	1064.5	1092.8	1121.1	971.3	1121.1
100.1	87.5°	156.6	213.2	263.1	313.1	369.5	425.9	428.4	430.7	361.6	430.7
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):**

325°		330°	335°	340°	345°	350°	355°	360°
1212.8	0°	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8
1338.7	2.5°	1336.6	1332.4	1328.2	1321.2	1314.2	1309.2	1304.3
1495.6	5°	1490.0	1480.7	1471.4	1454.2	1437.1	1419.7	1402.5
1646.5	7.5°	1638.3	1623.1	1607.9	1582.6	1557.3	1529.2	1501.1
1746.4	10°	1738.4	1720.5	1702.5	1672.9	1643.2	1610.0	1576.8
1779.0	12.5°	1774.7	1761.6	1748.6	1721.9	1695.1	1659.1	1623.1
1743.3	15°	1747.9	1747.5	1747.0	1730.2	1713.4	1682.3	1651.2
1654.7	17.5°	1671.9	1690.8	1709.6	1709.4	1709.0	1688.0	1667.1
1541.4	20°	1571.7	1613.3	1655.0	1677.1	1699.2	1691.8	1684.5
1433.7	22.5°	1471.6	1532.8	1594.0	1639.8	1685.6	1695.2	1704.8
1342.8	25°	1382.6	1456.9	1531.3	1600.8	1670.3	1700.6	1730.8
1269.9	27.5°	1309.1	1391.4	1473.8	1565.9	1658.0	1712.1	1766.2
1217.9	30°	1254.2	1340.1	1425.9	1539.3	1652.6	1733.2	1813.9
1203.0	32.5°	1231.5	1312.2	1392.8	1521.1	1649.4	1759.8	1870.2
1282.4	35°	1289.1	1345.0	1401.1	1534.7	1668.4	1803.5	1938.6
1516.1	37.5°	1485.6	1489.3	1492.9	1614.4	1735.8	1894.8	2053.8
1902.9	40°	1828.9	1765.2	1701.4	1791.7	1882.1	2055.0	2227.9
2424.3	42.5°	2289.7	2150.6	2011.5	2063.6	2115.6	2287.1	2458.7
3056.4	45°	2835.2	2612.4	2389.6	2412.6	2435.5	2589.7	2743.8
3757.6	47.5°	3433.8	3112.5	2791.1	2795.7	2800.4	2950.3	3100.2
4454.6	50°	4027.2	3613.0	3198.8	3198.0	3197.2	3382.3	3567.5
5128.4	52.5°	4599.6	4104.9	3610.1	3632.8	3655.5	3879.6	4103.9
5786.8	55°	5156.4	4605.8	4055.1	4143.5	4231.9	4453.4	4674.9
6424.5	57.5°	5710.5	5154.5	4598.5	4775.7	4953.0	5073.7	5194.3
7259.5	60°	6495.1	5968.9	5442.7	5662.9	5883.0	5695.6	5508.2
8014.5	62.5°	7287.2	6805.1	6323.1	6348.0	6372.8	5860.8	5348.8
8111.4	65°	7406.1	6793.5	6180.9	6085.9	5990.8	5510.3	5029.8
7590.2	67.5°	6881.9	6243.7	5605.5	5560.9	5516.4	5059.3	4602.3
6873.9	70°	6264.3	5693.6	5122.9	5102.9	5083.0	4585.8	4088.7
5995.9	72.5°	5539.4	5092.8	4646.3	4632.0	4617.7	4047.2	3476.8
5005.6	75°	4684.2	4336.8	3989.4	3936.4	3883.4	3293.0	2702.6
3941.1	77.5°	3713.2	3449.1	3184.9	3109.1	3033.2	2482.1	1930.9
2898.2	80°	2778.5	2579.1	2379.7	2285.4	2191.1	1727.5	1263.8
1903.8	82.5°	1853.9	1716.6	1579.3	1474.0	1368.6	1051.6	734.6
1092.8	85°	1064.5	951.7	838.9	749.3	659.7	491.5	323.2
428.4	87.5°	425.9	369.5	313.1	263.1	213.2	156.6	100.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)