

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: P946081

Luminaire Tested: **GALN-SB1D-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946081
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-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9114 lumens
Efficiency: N/A
Efficacy: 114.5 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

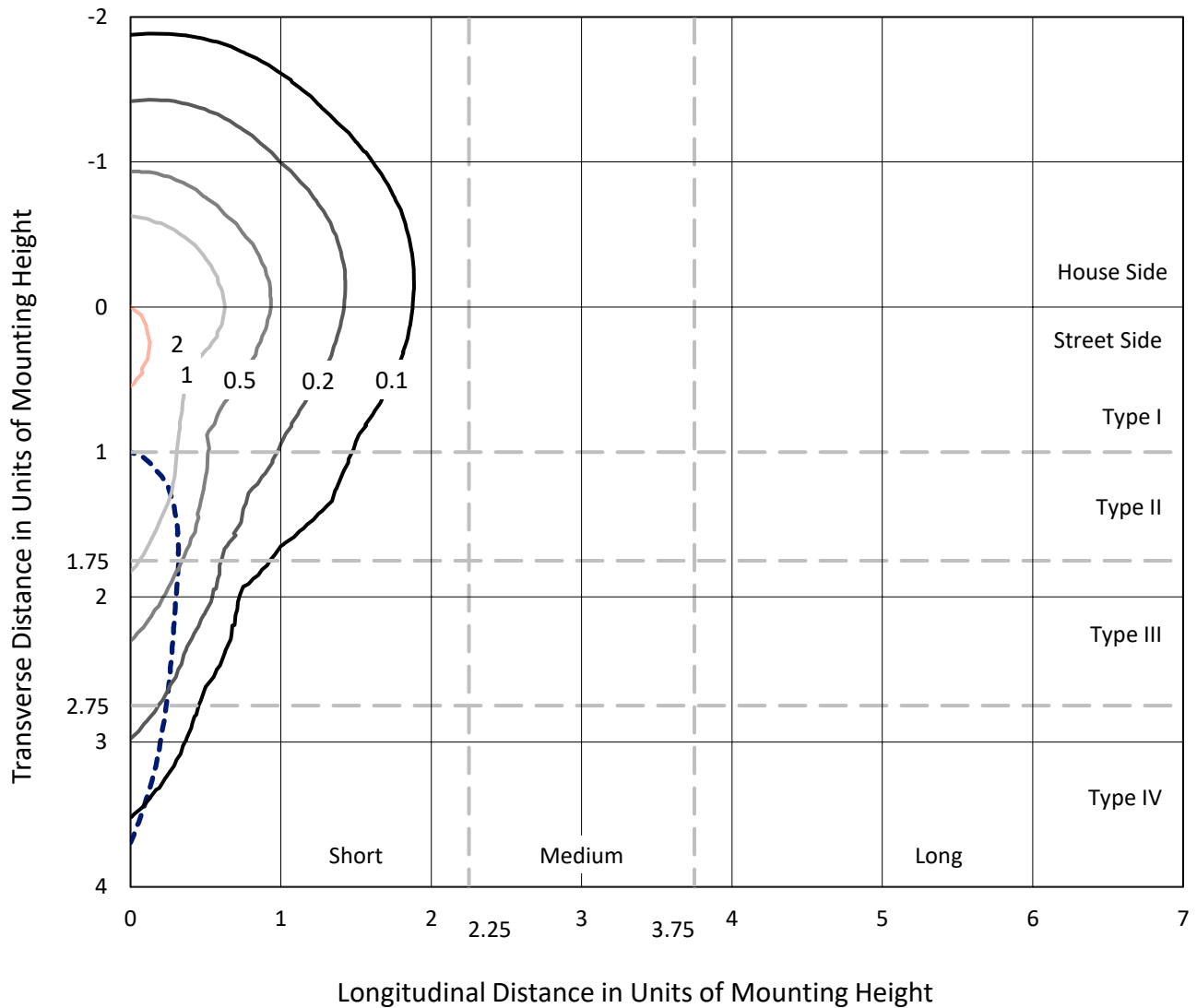
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

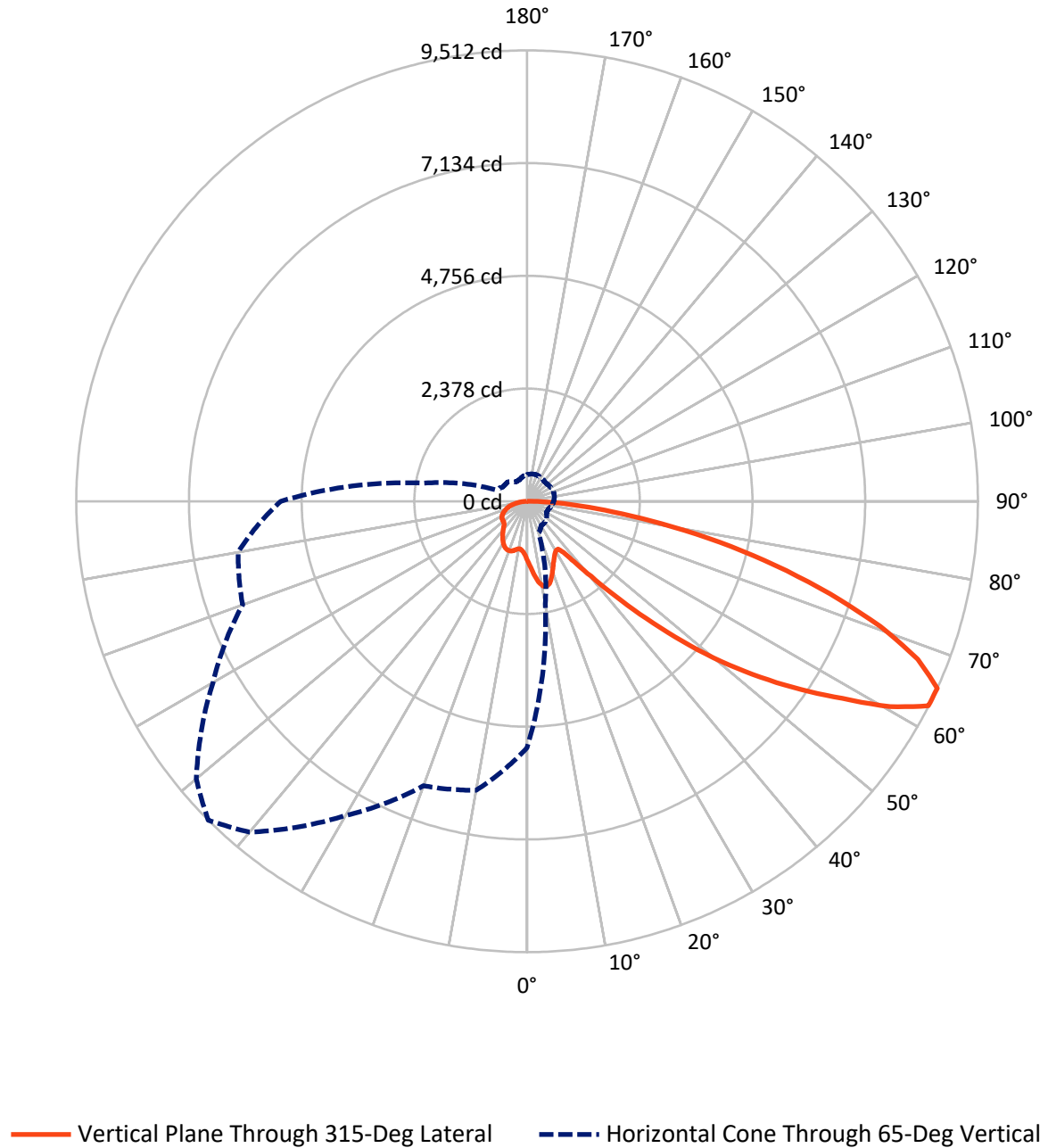
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	2316.3	0.0	2316.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	6797.7	0.0	6797.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	9114.0	0.0	9114.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	1.4
10°-20°	390.3	4.3
20°-30°	602.8	6.6
30°-40°	763.9	8.4
40°-50°	1152.2	12.6
50°-60°	1861.6	20.4
60°-70°	2320.8	25.5
70°-80°	1521.8	16.7
80°-90°	376.2	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°	9114.0	100.0
0°-180°	9114.0	100.0



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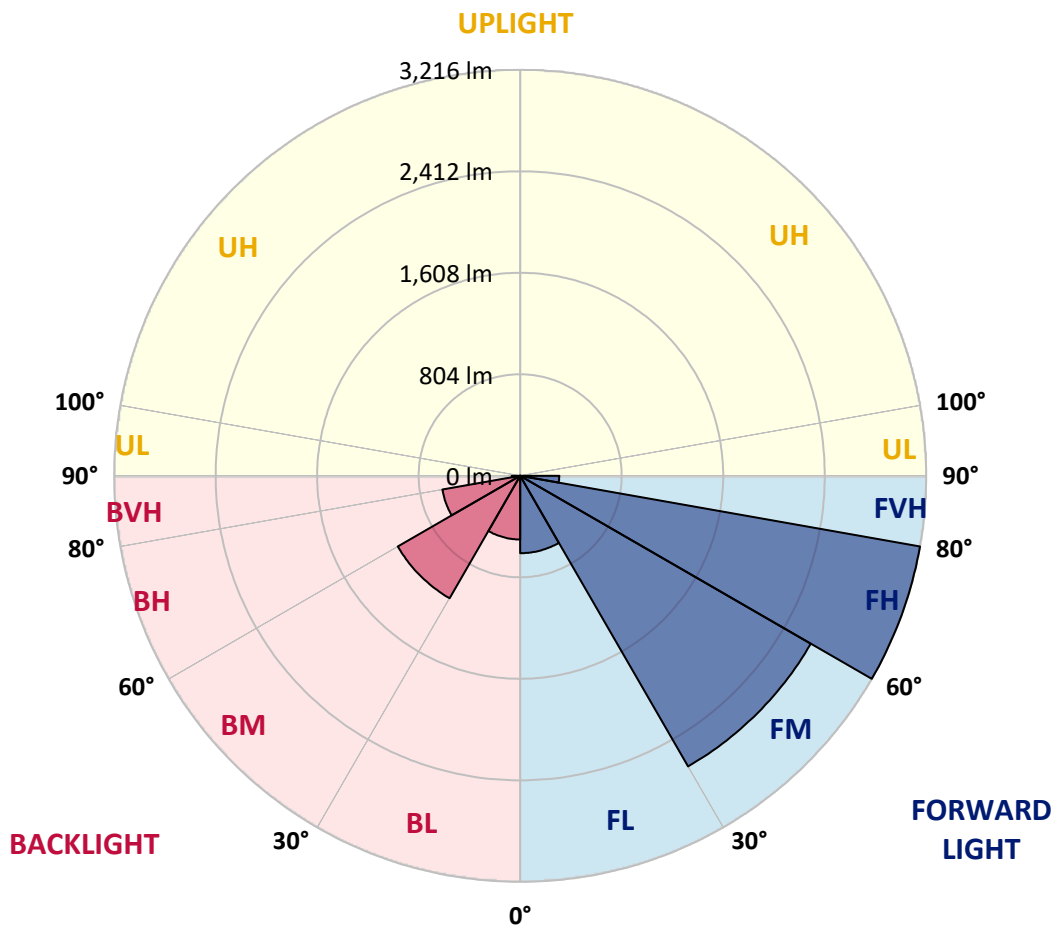
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	613.0	6.7			
FM (30°-60°)	2658.4	29.2			
FH (60°-80°)	3216.4	35.3			G2/5000
FVH (80°-90°)	309.9	3.4			G3/500
BL (0°-30°)	504.4	5.5	B2/1000		
BM (30°-60°)	1119.4	12.3	B2/2500		
BH (60°-80°)	626.2	6.9	B2/1000		G2/1000
BVH (80°-90°)	66.3	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°	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3
2.5°	1347.8	1337.4	1327.1	1316.1	1305.1	1294.0	1283.0	1272.4	1261.8	1251.6
5°	1449.2	1426.4	1403.5	1380.7	1358.0	1335.1	1312.2	1290.8	1269.4	1249.2
7.5°	1551.2	1513.5	1475.8	1441.0	1406.2	1372.3	1338.4	1308.5	1278.6	1251.1
10°	1629.3	1581.7	1534.0	1488.0	1442.0	1400.8	1359.6	1324.3	1288.9	1254.9
12.5°	1677.2	1624.8	1572.5	1520.4	1468.2	1419.6	1371.1	1331.1	1291.1	1255.4
15°	1706.3	1651.7	1597.1	1540.5	1484.0	1428.1	1372.1	1325.9	1279.6	1240.0
17.5°	1722.6	1667.3	1611.9	1550.2	1488.5	1423.6	1358.7	1303.0	1247.4	1200.8
20°	1740.7	1683.1	1625.6	1557.8	1490.0	1411.3	1332.6	1263.6	1194.7	1140.5
22.5°	1761.6	1702.8	1644.0	1568.0	1491.9	1396.2	1300.5	1217.4	1134.4	1072.7
25°	1788.5	1730.9	1673.3	1586.4	1499.5	1381.3	1263.1	1165.8	1068.6	1005.3
27.5°	1825.1	1770.1	1715.2	1615.3	1515.3	1371.3	1227.3	1118.6	1010.0	952.4
30°	1874.3	1821.3	1768.2	1652.6	1537.1	1366.7	1196.1	1079.2	962.3	914.0
32.5°	1932.5	1880.0	1827.5	1691.7	1555.8	1360.9	1165.8	1045.2	924.6	885.6
35°	2003.2	1952.9	1902.6	1736.1	1569.6	1350.0	1130.5	1011.8	893.1	860.6
37.5°	2122.3	2058.1	1994.0	1785.9	1577.8	1331.4	1085.0	972.4	859.9	831.5
40°	2302.1	2208.6	2115.1	1849.1	1582.9	1305.8	1028.7	925.5	822.4	796.6
42.5°	2540.7	2405.7	2270.8	1931.7	1592.7	1279.3	966.1	873.7	781.4	757.7
45°	2835.2	2653.2	2471.2	2040.5	1609.8	1254.7	899.7	818.7	737.7	713.7
47.5°	3203.6	2947.4	2691.2	2156.4	1621.6	1234.4	847.3	775.2	703.1	672.1
50°	3686.4	3300.2	2913.9	2263.9	1613.9	1212.3	810.7	746.3	681.8	641.1
52.5°	4240.7	3670.8	3100.9	2333.8	1566.6	1175.0	783.4	727.2	671.1	624.2
55°	4830.7	3999.4	3168.0	2318.4	1468.7	1113.0	757.3	713.4	669.5	625.9
57.5°	5367.4	4232.2	3097.0	2210.1	1323.2	1025.7	728.1	697.1	666.1	627.6
60°	5691.8	4290.4	2888.9	2008.5	1128.1	912.3	696.5	672.1	647.7	622.3
62.5°	5527.1	4045.4	2563.6	1736.0	908.3	776.6	644.8	628.6	612.4	609.3
65°	5197.4	3698.7	2199.9	1457.9	716.0	654.5	593.0	585.3	577.7	578.1
67.5°	4755.7	3286.1	1816.5	1185.5	554.6	537.1	519.6	523.9	528.1	527.1
70°	4225.0	2835.9	1446.8	933.4	420.1	425.1	430.0	449.8	469.6	469.6
72.5°	3592.6	2347.9	1103.2	713.6	324.0	339.1	354.2	382.3	410.3	415.0
75°	2792.6	1788.5	784.3	517.9	251.6	265.3	278.9	310.4	341.8	363.6
77.5°	1995.3	1251.8	508.2	351.0	193.7	203.0	212.3	242.9	273.4	309.2
80°	1305.9	806.5	307.1	226.1	145.2	149.1	152.9	178.8	204.6	247.4
82.5°	759.1	466.8	174.5	139.1	103.8	104.5	105.2	124.3	143.3	179.9
85°	334.0	210.0	86.0	74.3	62.8	62.4	62.0	76.0	89.9	117.1
87.5°	103.4	68.8	34.1	30.8	27.5	27.2	26.8	32.5	38.2	49.5
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°
1253.3	0°	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3
1240.2	2.5°	1230.9	1221.8	1213.4	1205.2	1197.9	1190.6	1183.3	1176.1	1170.4	1164.8
1229.2	5°	1211.8	1194.3	1179.7	1165.2	1152.3	1139.4	1127.7	1116.0	1107.0	1097.9
1225.3	7.5°	1202.1	1179.0	1159.7	1140.5	1124.3	1108.0	1093.7	1079.4	1068.7	1058.0
1227.2	10°	1202.8	1178.3	1159.1	1139.9	1122.4	1104.9	1088.8	1072.7	1059.9	1047.0
1229.6	12.5°	1209.6	1189.7	1176.9	1164.2	1150.4	1136.8	1120.1	1103.4	1087.1	1070.7
1219.3	15°	1209.8	1200.3	1202.0	1203.7	1200.2	1196.6	1182.1	1167.7	1144.4	1121.1
1188.1	17.5°	1191.6	1195.1	1216.0	1237.0	1248.2	1259.3	1247.6	1235.9	1205.1	1174.3
1137.1	20°	1153.5	1169.8	1206.2	1242.7	1266.0	1289.3	1283.9	1278.5	1243.3	1208.0
1079.3	22.5°	1103.4	1127.6	1169.2	1210.8	1241.2	1271.5	1274.8	1278.0	1244.4	1210.7
1023.1	25°	1051.0	1078.9	1116.3	1153.7	1183.6	1213.4	1224.6	1235.7	1208.1	1180.5
974.1	27.5°	1001.0	1027.9	1058.7	1089.4	1113.3	1137.3	1149.7	1162.1	1142.5	1122.8
930.9	30°	952.3	973.7	999.2	1024.7	1044.6	1064.5	1074.6	1084.7	1069.7	1054.7
893.1	32.5°	905.8	918.4	938.8	959.2	978.2	997.3	1008.5	1019.8	1006.0	992.2
857.5	35°	860.9	864.4	880.0	895.5	914.3	933.2	946.7	960.1	950.3	940.6
820.0	37.5°	816.2	812.4	823.5	834.6	853.4	872.3	888.9	905.6	901.0	896.5
779.1	40°	770.4	761.7	769.7	777.7	795.9	814.1	833.2	852.4	853.5	854.6
735.6	42.5°	724.0	712.5	719.0	725.6	742.8	760.1	780.8	801.4	807.0	812.5
692.3	45°	681.0	669.8	675.3	680.9	697.2	713.6	735.0	756.5	764.4	772.3
653.7	47.5°	644.2	634.8	640.0	645.1	661.2	677.1	698.3	719.4	728.6	737.7
619.7	50°	611.3	603.0	611.0	619.2	634.3	649.3	668.3	687.2	699.0	710.7
594.3	52.5°	586.0	577.8	590.0	602.1	616.0	629.8	647.4	665.1	679.0	692.9
580.8	55°	567.8	554.7	572.0	589.2	604.1	619.0	634.5	650.0	664.7	679.4
572.8	57.5°	553.7	534.7	553.2	571.8	589.3	606.8	622.1	637.4	652.3	667.1
565.2	60°	540.5	515.8	532.1	548.3	568.4	588.5	604.1	619.7	634.6	649.5
556.3	62.5°	525.4	494.6	505.0	515.3	538.7	562.2	578.8	595.4	609.0	622.7
537.7	65°	504.9	472.0	476.0	479.9	505.1	530.2	546.1	561.9	574.0	586.0
504.4	67.5°	477.1	449.7	448.5	447.2	470.4	493.7	508.7	523.7	534.1	544.5
462.2	70°	442.7	423.3	419.0	414.6	435.0	455.4	468.4	481.4	490.8	500.1
415.1	72.5°	401.8	388.5	382.1	375.8	391.9	407.9	419.6	431.4	440.6	449.7
361.7	75°	351.5	341.2	335.1	329.0	341.0	352.9	363.5	374.1	382.5	390.9
308.3	77.5°	300.0	291.8	285.7	279.5	289.2	298.9	308.0	317.2	326.0	334.7
247.3	80°	240.4	233.5	228.3	223.1	231.2	239.3	246.9	254.6	261.3	268.0
181.9	82.5°	178.5	175.1	171.5	167.8	167.2	166.5	163.8	161.1	175.3	189.6
119.7	85°	116.1	112.5	108.4	104.4	100.9	97.4	89.9	82.5	95.8	109.2
52.9	87.5°	51.5	50.0	49.2	48.5	48.3	48.2	42.5	36.8	42.4	48.0
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°
1253.3	0°	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3
1160.2	2.5°	1155.6	1152.1	1148.5	1145.2	1141.9	1137.8	1141.9	1145.2	1148.5	1152.1
1091.6	5°	1085.3	1080.8	1076.4	1073.0	1069.5	1066.2	1069.5	1073.0	1076.4	1080.8
1050.5	7.5°	1043.0	1037.9	1032.8	1029.7	1026.6	1024.3	1026.6	1029.7	1032.8	1037.9
1038.7	10°	1030.2	1025.3	1020.5	1017.9	1015.3	1014.2	1015.3	1017.9	1020.5	1025.3
1059.9	12.5°	1049.1	1043.7	1038.3	1036.1	1033.9	1033.5	1033.9	1036.1	1038.3	1043.7
1104.7	15°	1088.2	1080.7	1073.2	1070.3	1067.4	1067.1	1067.4	1070.3	1073.2	1080.7
1150.1	17.5°	1125.8	1114.7	1103.4	1099.8	1096.1	1095.5	1096.1	1099.8	1103.4	1114.7
1178.3	20°	1148.7	1134.4	1120.0	1115.5	1110.9	1109.5	1110.9	1115.5	1120.0	1134.4
1180.1	22.5°	1149.5	1134.4	1119.3	1114.3	1109.2	1107.1	1109.2	1114.3	1119.3	1134.4
1153.3	25°	1126.2	1113.1	1100.1	1095.3	1090.6	1087.8	1090.6	1095.3	1100.1	1113.1
1101.7	27.5°	1080.6	1071.9	1063.1	1060.9	1058.7	1058.0	1058.7	1060.9	1063.1	1071.9
1039.6	30°	1024.4	1020.0	1015.4	1015.4	1015.4	1016.2	1015.4	1015.4	1015.4	1020.0
980.1	32.5°	968.1	965.1	962.2	962.6	963.0	963.7	963.0	962.6	962.2	965.1
929.4	35°	918.3	913.8	909.4	908.4	907.5	907.0	907.5	908.4	909.4	913.8
886.3	37.5°	876.0	867.9	859.8	855.5	851.2	848.8	851.2	855.5	859.8	867.9
845.9	40°	837.2	825.3	813.6	805.6	797.7	793.0	797.7	805.6	813.6	825.3
805.1	42.5°	797.8	783.2	768.5	756.9	745.3	737.7	745.3	756.9	768.5	783.2
765.7	45°	759.1	742.3	725.6	712.0	698.4	689.6	698.4	712.0	725.6	742.3
733.1	47.5°	728.5	713.6	698.7	686.1	673.5	665.1	673.5	686.1	698.7	713.6
710.4	50°	710.2	698.3	686.4	674.7	663.1	655.0	663.1	674.7	686.4	698.3
695.4	52.5°	697.9	688.2	678.5	668.0	657.6	650.2	657.6	668.0	678.5	688.2
682.9	55°	686.4	677.9	669.4	660.3	651.2	644.4	651.2	660.3	669.4	677.9
670.6	57.5°	674.1	665.6	657.0	648.0	638.9	631.9	638.9	648.0	657.0	665.6
653.3	60°	657.2	648.8	640.5	631.1	621.8	614.6	621.8	631.1	640.5	648.8
626.4	62.5°	630.1	622.5	615.0	605.2	595.4	586.7	595.4	605.2	615.0	622.5
589.8	65°	593.5	586.3	579.0	569.5	560.0	552.6	560.0	569.5	579.0	586.3
548.2	67.5°	551.8	545.2	538.5	529.7	520.8	514.1	520.8	529.7	538.5	545.2
503.7	70°	507.3	501.8	496.4	487.9	479.5	471.8	479.5	487.9	496.4	501.8
454.0	72.5°	458.2	453.7	449.2	441.1	433.1	425.6	433.1	441.1	449.2	453.7
395.3	75°	399.7	397.5	395.3	388.5	381.7	374.6	381.7	388.5	395.3	397.5
338.8	77.5°	343.0	339.9	336.7	329.9	323.1	317.4	323.1	329.9	336.7	339.9
273.4	80°	278.9	277.6	276.3	267.1	257.9	247.2	257.9	267.1	276.3	277.6
198.9	82.5°	208.2	207.7	207.0	199.3	191.5	184.7	191.5	199.3	207.0	207.7
120.7	85°	132.3	131.3	130.3	124.3	118.2	112.1	118.2	124.3	130.3	131.3
52.7	87.5°	57.3	56.2	54.9	51.8	48.7	45.7	48.7	51.8	54.9	56.2
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°
1253.3	0°	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3
1155.6	2.5°	1160.2	1164.8	1170.4	1176.1	1183.3	1190.6	1197.9	1205.2	1213.4	1221.8
1085.3	5°	1091.6	1097.9	1107.0	1116.0	1127.7	1139.4	1152.3	1165.2	1179.7	1194.3
1043.0	7.5°	1050.5	1058.0	1068.7	1079.4	1093.7	1108.0	1124.3	1140.5	1159.7	1179.0
1030.2	10°	1038.7	1047.0	1059.9	1072.7	1088.8	1104.9	1122.4	1139.9	1159.1	1178.3
1049.1	12.5°	1059.9	1070.7	1087.1	1103.4	1120.1	1136.8	1150.4	1164.2	1176.9	1189.7
1088.2	15°	1104.7	1121.1	1144.4	1167.7	1182.1	1196.6	1200.2	1203.7	1202.0	1200.3
1125.8	17.5°	1150.1	1174.3	1205.1	1235.9	1247.6	1259.3	1248.2	1237.0	1216.0	1195.1
1148.7	20°	1178.3	1208.0	1243.3	1278.5	1283.9	1289.3	1266.0	1242.7	1206.2	1169.8
1149.5	22.5°	1180.1	1210.7	1244.4	1278.0	1274.8	1271.5	1241.2	1210.8	1169.2	1127.6
1126.2	25°	1153.3	1180.5	1208.1	1235.7	1224.6	1213.4	1183.6	1153.7	1116.3	1078.9
1080.6	27.5°	1101.7	1122.8	1142.5	1162.1	1149.7	1137.3	1113.3	1089.4	1058.7	1027.9
1024.4	30°	1039.6	1054.7	1069.7	1084.7	1074.6	1064.5	1044.6	1024.7	999.2	973.7
968.1	32.5°	980.1	992.2	1006.0	1019.8	1008.5	997.3	978.2	959.2	938.8	918.4
918.3	35°	929.4	940.6	950.3	960.1	946.7	933.2	914.3	895.5	880.0	864.4
876.0	37.5°	886.3	896.5	901.0	905.6	888.9	872.3	853.4	834.6	823.5	812.4
837.2	40°	845.9	854.6	853.5	852.4	833.2	814.1	795.9	777.7	769.7	761.7
797.8	42.5°	805.1	812.5	807.0	801.4	780.8	760.1	742.8	725.6	719.0	712.5
759.1	45°	765.7	772.3	764.4	756.5	735.0	713.6	697.2	680.9	675.3	669.8
728.5	47.5°	733.1	737.7	728.6	719.4	698.3	677.1	661.2	645.1	640.0	634.8
710.2	50°	710.4	710.7	699.0	687.2	668.3	649.3	634.3	619.2	611.0	603.0
697.9	52.5°	695.4	692.9	679.0	665.1	647.4	629.8	616.0	602.1	590.0	577.8
686.4	55°	682.9	679.4	664.7	650.0	634.5	619.0	604.1	589.2	572.0	554.7
674.1	57.5°	670.6	667.1	652.3	637.4	622.1	606.8	589.3	571.8	553.2	534.7
657.2	60°	653.3	649.5	634.6	619.7	604.1	588.5	568.4	548.3	532.1	515.8
630.1	62.5°	626.4	622.7	609.0	595.4	578.8	562.2	538.7	515.3	505.0	494.6
593.5	65°	589.8	586.0	574.0	561.9	546.1	530.2	505.1	479.9	476.0	472.0
551.8	67.5°	548.2	544.5	534.1	523.7	508.7	493.7	470.4	447.2	448.5	449.7
507.3	70°	503.7	500.1	490.8	481.4	468.4	455.4	435.0	414.6	419.0	423.3
458.2	72.5°	454.0	449.7	440.6	431.4	419.6	407.9	391.9	375.8	382.1	388.5
399.7	75°	395.3	390.9	382.5	374.1	363.5	352.9	341.0	329.0	335.1	341.2
343.0	77.5°	338.8	334.7	326.0	317.2	308.0	298.9	289.2	279.5	285.7	291.8
278.9	80°	273.4	268.0	261.3	254.6	246.9	239.3	231.2	223.1	228.3	233.5
208.2	82.5°	198.9	189.6	175.3	161.1	163.8	166.5	167.2	167.8	171.5	175.1
132.3	85°	120.7	109.2	95.8	82.5	89.9	97.4	100.9	104.4	108.4	112.5
57.3	87.5°	52.7	48.0	42.4	36.8	42.5	48.2	48.3	48.5	49.2	50.0
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°
1253.3	0°	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3
1230.9	2.5°	1240.2	1251.6	1261.8	1272.4	1283.0	1294.0	1305.1	1316.1	1327.1	1337.4
1211.8	5°	1229.2	1249.2	1269.4	1290.8	1312.2	1335.1	1358.0	1380.7	1403.5	1426.4
1202.1	7.5°	1225.3	1251.1	1278.6	1308.5	1338.4	1372.3	1406.2	1441.0	1475.8	1513.5
1202.8	10°	1227.2	1254.9	1288.9	1324.3	1359.6	1400.8	1442.0	1488.0	1534.0	1581.7
1209.6	12.5°	1229.6	1255.4	1291.1	1331.1	1371.1	1419.6	1468.2	1520.4	1572.5	1624.8
1209.8	15°	1219.3	1240.0	1279.6	1325.9	1372.1	1428.1	1484.0	1540.5	1597.1	1651.7
1191.6	17.5°	1188.1	1200.8	1247.4	1303.0	1358.7	1423.6	1488.5	1550.2	1611.9	1667.3
1153.5	20°	1137.1	1140.5	1194.7	1263.6	1332.6	1411.3	1490.0	1557.8	1625.6	1683.1
1103.4	22.5°	1079.3	1072.7	1134.4	1217.4	1300.5	1396.2	1491.9	1568.0	1644.0	1702.8
1051.0	25°	1023.1	1005.3	1068.6	1165.8	1263.1	1381.3	1499.5	1586.4	1673.3	1730.9
1001.0	27.5°	974.1	952.4	1010.0	1118.6	1227.3	1371.3	1515.3	1615.3	1715.2	1770.1
952.3	30°	930.9	914.0	962.3	1079.2	1196.1	1366.7	1537.1	1652.6	1768.2	1821.3
905.8	32.5°	893.1	885.6	924.6	1045.2	1165.8	1360.9	1555.8	1691.7	1827.5	1880.0
860.9	35°	857.5	860.6	893.1	1011.8	1130.5	1350.0	1569.6	1736.1	1902.6	1952.9
816.2	37.5°	820.0	831.5	859.9	972.4	1085.0	1331.4	1577.8	1785.9	1994.0	2058.1
770.4	40°	779.1	796.6	822.4	925.5	1028.7	1305.8	1582.9	1849.1	2115.1	2208.6
724.0	42.5°	735.6	757.7	781.4	873.7	966.1	1279.3	1592.7	1931.7	2270.8	2405.7
681.0	45°	692.3	713.7	737.7	818.7	899.7	1254.7	1609.8	2040.5	2471.2	2653.2
644.2	47.5°	653.7	672.1	703.1	775.2	847.3	1234.4	1621.6	2156.4	2691.2	2947.4
611.3	50°	619.7	641.1	681.8	746.3	810.7	1212.3	1613.9	2263.9	2913.9	3300.2
586.0	52.5°	594.3	624.2	671.1	727.2	783.4	1175.0	1566.6	2333.8	3100.9	3670.8
567.8	55°	580.8	625.9	669.5	713.4	757.3	1113.0	1468.7	2318.4	3168.0	3999.4
553.7	57.5°	572.8	627.6	666.1	697.1	728.1	1025.7	1323.2	2210.1	3097.0	4232.2
540.5	60°	565.2	622.3	647.7	672.1	696.5	912.3	1128.1	2008.5	2888.9	4290.4
525.4	62.5°	556.3	609.3	612.4	628.6	644.8	776.6	908.3	1736.0	2563.6	4045.4
504.9	65°	537.7	578.1	577.7	585.3	593.0	654.5	716.0	1457.9	2199.9	3698.7
477.1	67.5°	504.4	527.1	528.1	523.9	519.6	537.1	554.6	1185.5	1816.5	3286.1
442.7	70°	462.2	469.6	469.6	449.8	430.0	425.1	420.1	933.4	1446.8	2835.9
401.8	72.5°	415.1	415.0	410.3	382.3	354.2	339.1	324.0	713.6	1103.2	2347.9
351.5	75°	361.7	363.6	341.8	310.4	278.9	265.3	251.6	517.9	784.3	1788.5
300.0	77.5°	308.3	309.2	273.4	242.9	212.3	203.0	193.7	351.0	508.2	1251.8
240.4	80°	247.3	247.4	204.6	178.8	152.9	149.1	145.2	226.1	307.1	806.5
178.5	82.5°	181.9	179.9	143.3	124.3	105.2	104.5	103.8	139.1	174.5	466.8
116.1	85°	119.7	117.1	89.9	76.0	62.0	62.4	62.8	74.3	86.0	210.0
51.5	87.5°	52.9	49.5	38.2	32.5	26.8	27.2	27.5	30.8	34.1	68.8
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°
1253.3	0°	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3
1347.8	2.5°	1352.9	1358.0	1365.3	1372.5	1376.8	1381.2	1383.3	1385.5	1384.5	1385.5
1449.2	5°	1467.1	1485.0	1502.7	1520.4	1530.0	1539.6	1545.5	1551.3	1555.7	1551.3
1551.2	7.5°	1580.2	1609.2	1635.3	1661.5	1677.2	1692.9	1701.4	1709.9	1714.0	1709.9
1629.3	10°	1663.7	1698.0	1728.6	1759.3	1777.8	1796.3	1804.6	1812.8	1815.9	1812.8
1677.2	12.5°	1714.4	1751.6	1779.3	1806.9	1820.3	1833.8	1838.3	1842.9	1843.3	1842.9
1706.3	15°	1738.4	1770.5	1787.8	1805.2	1805.7	1806.2	1801.4	1796.6	1790.9	1796.6
1722.6	17.5°	1744.3	1766.0	1766.3	1766.6	1747.1	1727.7	1709.8	1691.9	1679.3	1691.9
1740.7	20°	1748.2	1755.8	1733.0	1710.1	1667.1	1624.1	1592.8	1561.5	1542.3	1561.5
1761.6	22.5°	1751.7	1741.8	1694.4	1647.1	1583.9	1520.6	1481.5	1442.3	1421.1	1442.3
1788.5	25°	1757.2	1726.0	1654.1	1582.3	1505.5	1428.7	1387.5	1346.5	1326.4	1346.5
1825.1	27.5°	1769.2	1713.2	1618.1	1522.9	1437.8	1352.7	1312.2	1271.8	1252.8	1271.8
1874.3	30°	1791.0	1707.7	1590.6	1473.4	1384.7	1296.1	1258.5	1220.9	1203.2	1220.9
1932.5	32.5°	1818.4	1704.3	1571.8	1439.3	1355.9	1272.6	1243.1	1213.6	1200.8	1213.6
2003.2	35°	1863.6	1724.0	1585.9	1447.8	1389.9	1332.0	1325.1	1318.3	1317.2	1318.3
2122.3	37.5°	1958.0	1793.7	1668.2	1542.7	1538.9	1535.2	1566.6	1598.1	1614.4	1598.1
2302.1	40°	2123.5	1944.8	1851.5	1758.1	1824.0	1889.9	1966.3	2042.8	2080.9	2042.8
2540.7	42.5°	2363.4	2186.1	2132.4	2078.6	2222.3	2366.0	2505.1	2644.1	2725.8	2644.1
2835.2	45°	2676.0	2516.7	2493.0	2469.2	2699.4	2929.7	3158.2	3386.8	3525.6	3386.8
3203.6	47.5°	3048.7	2893.7	2888.9	2884.1	3216.2	3548.3	3882.8	4217.3	4413.8	4217.3
3686.4	50°	3495.1	3303.8	3304.6	3305.4	3733.4	4161.4	4603.0	5044.7	5311.7	5044.7
4240.7	52.5°	4009.0	3777.3	3753.9	3730.4	4241.7	4752.9	5299.3	5845.7	6165.8	5845.7
4830.7	55°	4601.8	4372.9	4281.6	4190.3	4759.3	5328.3	5979.6	6631.0	7011.7	6631.0
5367.4	57.5°	5242.8	5118.1	4934.9	4751.8	5326.3	5900.9	6638.7	7376.5	7848.5	7376.5
5691.8	60°	5885.4	6079.1	5851.6	5624.2	6167.9	6711.6	7501.5	8291.5	8801.6	8291.5
5527.1	62.5°	6056.2	6585.2	6559.6	6533.9	7032.0	7530.1	8281.7	9033.2	9504.7	9033.2
5197.4	65°	5694.0	6190.5	6288.8	6387.0	7020.0	7653.0	8381.7	9110.5	9511.9	9110.5
4755.7	67.5°	5228.0	5700.2	5746.3	5792.3	6451.9	7111.3	7843.2	8575.1	8889.6	8575.1
4225.0	70°	4738.7	5252.4	5273.0	5293.6	5883.4	6473.2	7103.0	7732.8	7907.6	7732.8
3592.6	72.5°	4182.1	4771.6	4786.4	4801.2	5262.6	5724.0	6195.8	6667.4	6685.1	6667.4
2792.6	75°	3402.7	4012.8	4067.6	4122.4	4481.4	4840.4	5172.4	5504.5	5415.5	5504.5
1995.3	77.5°	2564.8	3134.3	3212.7	3291.1	3564.0	3836.9	4072.4	4308.0	4155.1	4308.0
1305.9	80°	1785.0	2264.1	2361.6	2459.0	2665.1	2871.1	2994.8	3118.5	2872.5	3118.5
759.1	82.5°	1086.7	1414.3	1523.1	1632.0	1773.8	1915.7	1967.3	2018.9	1825.5	2018.9
334.0	85°	507.8	681.7	774.3	866.8	983.4	1099.9	1129.2	1158.5	1003.7	1158.5
103.4	87.5°	161.8	220.3	271.9	323.6	381.8	440.1	442.6	445.1	373.7	445.1
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):

325°		330°	335°	340°	345°	350°	355°	360°
1253.3	0°	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3
1383.3	2.5°	1381.2	1376.8	1372.5	1365.3	1358.0	1352.9	1347.8
1545.5	5°	1539.6	1530.0	1520.4	1502.7	1485.0	1467.1	1449.2
1701.4	7.5°	1692.9	1677.2	1661.5	1635.3	1609.2	1580.2	1551.2
1804.6	10°	1796.3	1777.8	1759.3	1728.6	1698.0	1663.7	1629.3
1838.3	12.5°	1833.8	1820.3	1806.9	1779.3	1751.6	1714.4	1677.2
1801.4	15°	1806.2	1805.7	1805.2	1787.8	1770.5	1738.4	1706.3
1709.8	17.5°	1727.7	1747.1	1766.6	1766.3	1766.0	1744.3	1722.6
1592.8	20°	1624.1	1667.1	1710.1	1733.0	1755.8	1748.2	1740.7
1481.5	22.5°	1520.6	1583.9	1647.1	1694.4	1741.8	1751.7	1761.6
1387.5	25°	1428.7	1505.5	1582.3	1654.1	1726.0	1757.2	1788.5
1312.2	27.5°	1352.7	1437.8	1522.9	1618.1	1713.2	1769.2	1825.1
1258.5	30°	1296.1	1384.7	1473.4	1590.6	1707.7	1791.0	1874.3
1243.1	32.5°	1272.6	1355.9	1439.3	1571.8	1704.3	1818.4	1932.5
1325.1	35°	1332.0	1389.9	1447.8	1585.9	1724.0	1863.6	2003.2
1566.6	37.5°	1535.2	1538.9	1542.7	1668.2	1793.7	1958.0	2122.3
1966.3	40°	1889.9	1824.0	1758.1	1851.5	1944.8	2123.5	2302.1
2505.1	42.5°	2366.0	2222.3	2078.6	2132.4	2186.1	2363.4	2540.7
3158.2	45°	2929.7	2699.4	2469.2	2493.0	2516.7	2676.0	2835.2
3882.8	47.5°	3548.3	3216.2	2884.1	2888.9	2893.7	3048.7	3203.6
4603.0	50°	4161.4	3733.4	3305.4	3304.6	3303.8	3495.1	3686.4
5299.3	52.5°	4752.9	4241.7	3730.4	3753.9	3777.3	4009.0	4240.7
5979.6	55°	5328.3	4759.3	4190.3	4281.6	4372.9	4601.8	4830.7
6638.7	57.5°	5900.9	5326.3	4751.8	4934.9	5118.1	5242.8	5367.4
7501.5	60°	6711.6	6167.9	5624.2	5851.6	6079.1	5885.4	5691.8
8281.7	62.5°	7530.1	7032.0	6533.9	6559.6	6585.2	6056.2	5527.1
8381.7	65°	7653.0	7020.0	6387.0	6288.8	6190.5	5694.0	5197.4
7843.2	67.5°	7111.3	6451.9	5792.3	5746.3	5700.2	5228.0	4755.7
7103.0	70°	6473.2	5883.4	5293.6	5273.0	5252.4	4738.7	4225.0
6195.8	72.5°	5724.0	5262.6	4801.2	4786.4	4771.6	4182.1	3592.6
5172.4	75°	4840.4	4481.4	4122.4	4067.6	4012.8	3402.7	2792.6
4072.4	77.5°	3836.9	3564.0	3291.1	3212.7	3134.3	2564.8	1995.3
2994.8	80°	2871.1	2665.1	2459.0	2361.6	2264.1	1785.0	1305.9
1967.3	82.5°	1915.7	1773.8	1632.0	1523.1	1414.3	1086.7	759.1
1129.2	85°	1099.9	983.4	866.8	774.3	681.7	507.8	334.0
442.6	87.5°	440.1	381.8	323.6	271.9	220.3	161.8	103.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)