

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: P949378

Luminaire Tested: **GALN-SB4A-927-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949378
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-SB4A-927-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10904 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

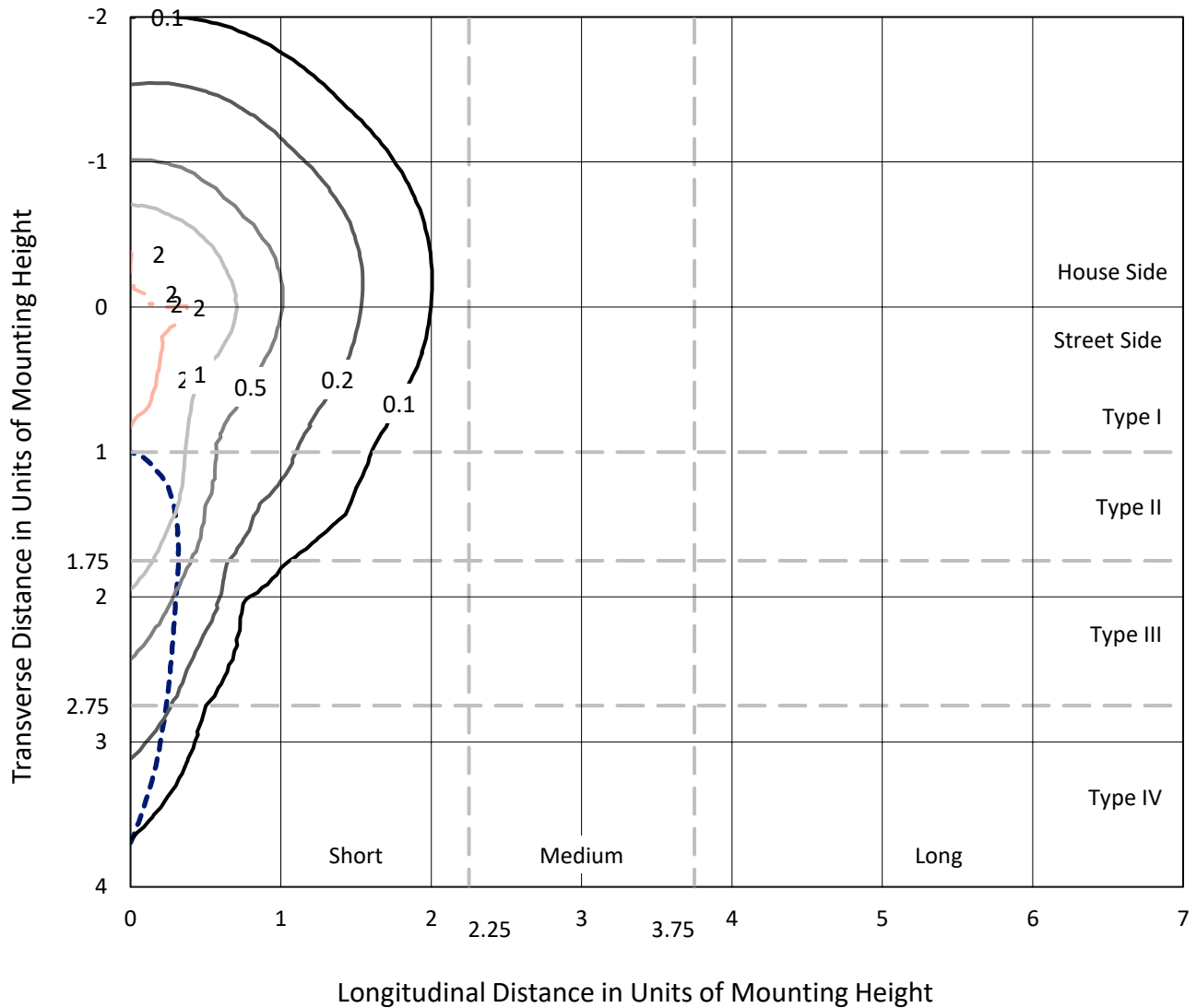
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

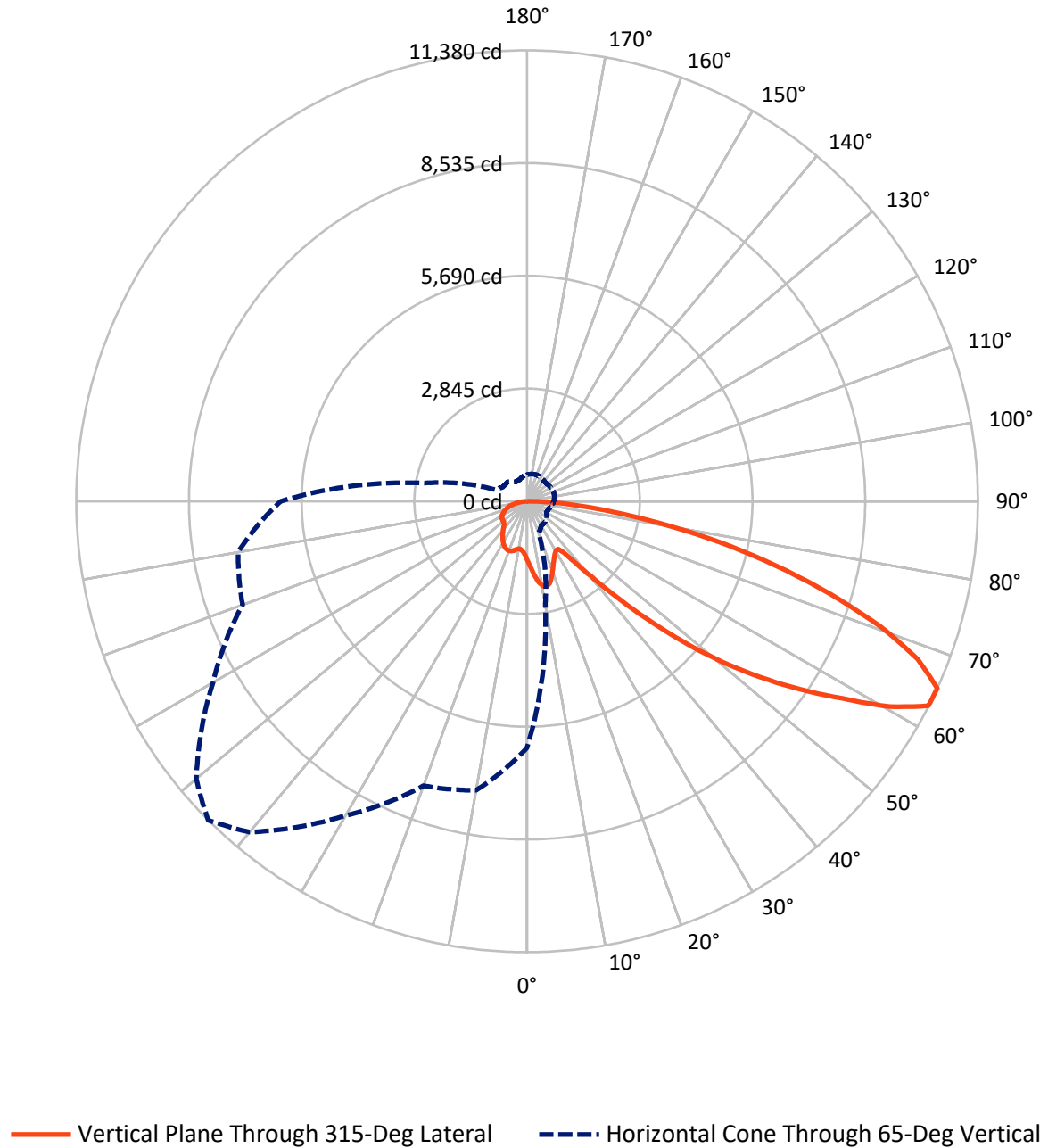
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	2771.2	0.0	2771.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	8132.7	0.0	8132.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	10904.0	0.0	10904.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	1.4
10°-20°	466.9	4.3
20°-30°	721.2	6.6
30°-40°	914.0	8.4
40°-50°	1378.5	12.6
50°-60°	2227.2	20.4
60°-70°	2776.6	25.5
70°-80°	1820.7	16.7
80°-90°	450.1	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°	10904.0	100.0
0°-180°	10904.0	100.0

Coefficient of Utilization



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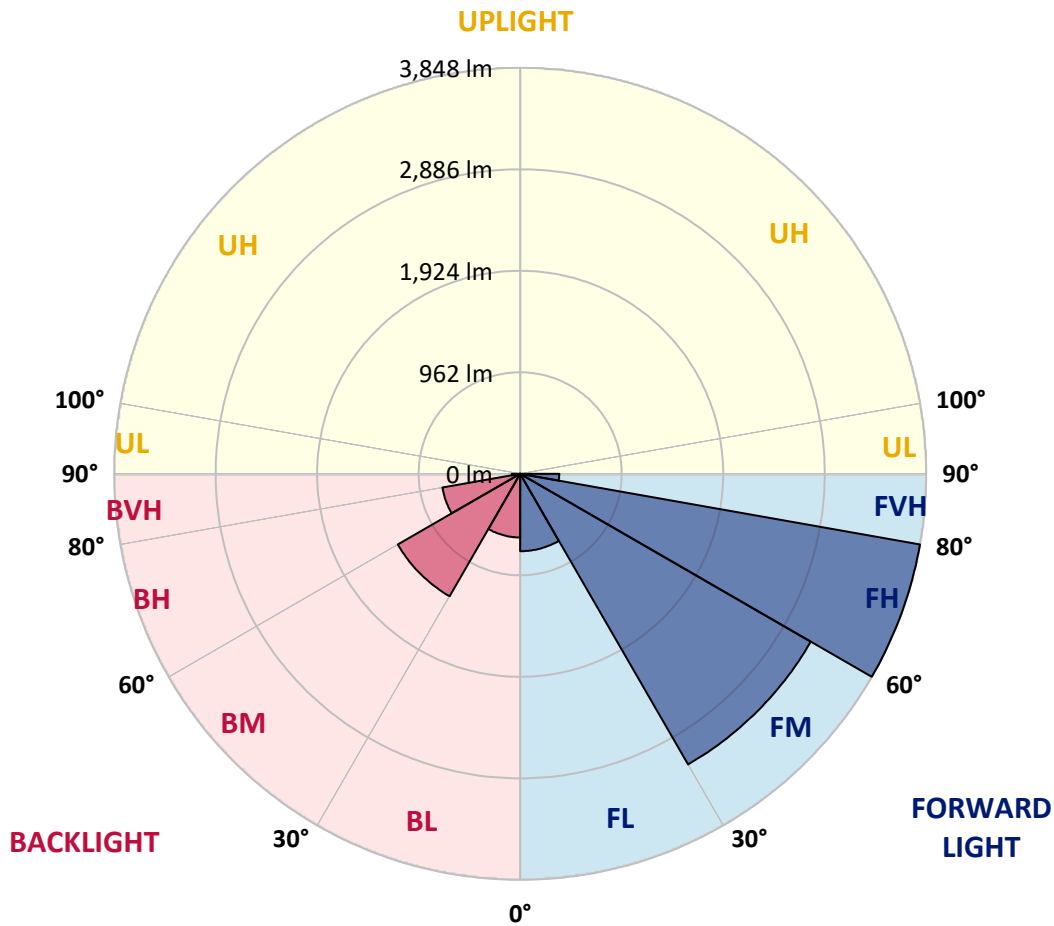
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	733.4	6.7			
FM (30°-60°)	3180.5	29.2			
FH (60°-80°)	3848.1	35.3			G2/5000
FVH (80°-90°)	370.8	3.4			G3/500
BL (0°-30°)	603.5	5.5	B2/1000		
BM (30°-60°)	1339.2	12.3	B2/2500		
BH (60°-80°)	749.2	6.9	B2/1000		G2/1000
BVH (80°-90°)	79.3	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°	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4
2.5°	1612.5	1600.1	1587.7	1574.5	1561.4	1548.2	1535.0	1522.3	1509.6	1497.4
5°	1733.9	1706.5	1679.2	1651.9	1624.7	1597.3	1569.9	1544.3	1518.7	1494.5
7.5°	1855.8	1810.7	1765.7	1724.0	1682.4	1641.8	1601.2	1565.5	1529.8	1496.8
10°	1949.3	1892.3	1835.3	1780.2	1725.2	1676.0	1626.7	1584.4	1542.1	1501.4
12.5°	2006.6	1943.9	1881.3	1819.0	1756.6	1698.5	1640.4	1592.5	1544.7	1502.0
15°	2041.4	1976.1	1910.8	1843.1	1775.5	1708.5	1641.6	1586.3	1530.9	1483.6
17.5°	2060.9	1994.7	1928.5	1854.7	1780.9	1703.2	1625.5	1558.9	1492.4	1436.7
20°	2082.5	2013.7	1944.8	1863.7	1782.6	1688.5	1594.3	1511.8	1429.3	1364.5
22.5°	2107.6	2037.2	1966.9	1875.9	1784.9	1670.4	1555.9	1456.5	1357.2	1283.3
25°	2139.8	2070.8	2002.0	1898.0	1794.0	1652.6	1511.2	1394.8	1278.5	1202.8
27.5°	2183.5	2117.8	2052.0	1932.5	1813.0	1640.6	1468.3	1338.4	1208.4	1139.5
30°	2242.5	2179.0	2115.5	1977.2	1839.0	1635.1	1431.0	1291.2	1151.3	1093.5
32.5°	2312.1	2249.2	2186.4	2023.9	1861.4	1628.2	1394.8	1250.5	1106.1	1059.5
35°	2396.7	2336.5	2276.2	2077.1	1877.9	1615.2	1352.6	1210.5	1068.4	1029.6
37.5°	2539.1	2462.3	2385.6	2136.6	1887.6	1592.9	1298.1	1163.4	1028.7	994.8
40°	2754.3	2642.4	2530.6	2212.2	1893.8	1562.2	1230.7	1107.3	983.9	953.1
42.5°	3039.6	2878.2	2716.7	2311.1	1905.5	1530.6	1155.8	1045.3	934.8	906.5
45°	3392.0	3174.3	2956.5	2441.3	1926.0	1501.2	1076.4	979.5	882.6	853.8
47.5°	3832.8	3526.3	3219.7	2579.9	1940.1	1476.9	1013.7	927.4	841.2	804.1
50°	4410.4	3948.4	3486.2	2708.6	1930.9	1450.4	969.9	892.8	815.7	767.0
52.5°	5073.5	4391.7	3709.9	2792.1	1874.2	1405.7	937.3	870.1	802.9	746.8
55°	5779.5	4784.8	3790.2	2773.7	1757.2	1331.6	906.1	853.5	801.0	748.8
57.5°	6421.6	5063.4	3705.2	2644.1	1583.1	1227.1	871.1	834.0	796.9	750.8
60°	6809.7	5133.0	3456.3	2403.0	1349.7	1091.5	833.2	804.1	774.9	744.5
62.5°	6612.6	4839.9	3067.1	2076.9	1086.7	929.1	771.4	752.1	732.7	729.0
65°	6218.2	4425.1	2632.0	1744.3	856.6	783.0	709.4	700.3	691.1	691.6
67.5°	5689.8	3931.5	2173.3	1418.4	663.5	642.6	621.7	626.8	631.9	630.6
70°	5054.8	3392.9	1731.0	1116.8	502.6	508.6	514.5	538.2	561.8	561.8
72.5°	4298.2	2809.0	1319.9	853.8	387.7	405.7	423.8	457.4	490.9	496.5
75°	3341.1	2139.7	938.3	619.7	301.0	317.4	333.7	371.3	409.0	435.0
77.5°	2387.2	1497.6	608.0	419.9	231.8	242.9	254.0	290.6	327.1	370.0
80°	1562.4	964.9	367.4	270.5	173.8	178.4	183.0	213.9	244.8	296.0
82.5°	908.2	558.4	208.7	166.4	124.2	125.0	125.9	148.7	171.5	215.2
85°	399.6	251.2	102.9	89.0	75.1	74.7	74.2	90.9	107.6	140.1
87.5°	123.7	82.3	40.9	36.9	32.9	32.5	32.1	38.9	45.7	59.3
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°
1499.4	0°	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4
1483.7	2.5°	1472.7	1461.7	1451.8	1441.9	1433.2	1424.5	1415.7	1407.0	1400.3	1393.5
1470.6	5°	1449.8	1428.9	1411.4	1394.0	1378.6	1363.1	1349.2	1335.1	1324.4	1313.6
1465.9	7.5°	1438.2	1410.5	1387.5	1364.5	1345.1	1325.6	1308.5	1291.4	1278.6	1265.8
1468.2	10°	1439.0	1409.8	1386.7	1363.7	1342.8	1321.9	1302.6	1283.3	1268.0	1252.7
1471.1	12.5°	1447.2	1423.3	1408.0	1392.8	1376.4	1360.0	1340.1	1320.2	1300.6	1281.0
1458.8	15°	1447.4	1436.0	1438.1	1440.1	1435.9	1431.6	1414.3	1397.0	1369.1	1341.3
1421.4	17.5°	1425.6	1429.8	1454.9	1479.9	1493.3	1506.6	1492.6	1478.7	1441.8	1404.9
1360.4	20°	1380.0	1399.6	1443.1	1486.7	1514.6	1542.5	1536.1	1529.6	1487.4	1445.3
1291.2	22.5°	1320.2	1349.1	1398.8	1448.6	1485.0	1521.3	1525.2	1529.0	1488.7	1448.5
1224.1	25°	1257.5	1290.8	1335.5	1380.3	1416.0	1451.8	1465.1	1478.4	1445.4	1412.4
1165.4	27.5°	1197.6	1229.8	1266.6	1303.3	1332.0	1360.6	1375.5	1390.4	1366.8	1343.4
1113.8	30°	1139.3	1165.0	1195.5	1226.0	1249.7	1273.6	1285.6	1297.7	1279.8	1261.9
1068.6	32.5°	1083.7	1098.8	1123.2	1147.6	1170.3	1193.2	1206.6	1220.1	1203.6	1187.1
1025.9	35°	1030.0	1034.2	1052.8	1071.3	1093.9	1116.5	1132.6	1148.7	1137.0	1125.3
981.1	37.5°	976.5	971.9	985.3	998.5	1021.0	1043.6	1063.5	1083.4	1078.0	1072.6
932.1	40°	921.7	911.3	920.9	930.5	952.2	974.0	996.9	1019.8	1021.2	1022.4
880.0	42.5°	866.2	852.4	860.2	868.1	888.7	909.4	934.1	958.8	965.5	972.1
828.2	45°	814.8	801.4	807.9	814.6	834.2	853.7	879.4	905.0	914.5	924.0
782.0	47.5°	770.8	759.5	765.7	771.8	791.0	810.1	835.4	860.7	871.7	882.6
741.4	50°	731.3	721.4	731.1	740.8	758.8	776.9	799.5	822.2	836.2	850.3
711.0	52.5°	701.1	691.3	705.9	720.4	736.9	753.4	774.6	795.7	812.4	829.0
694.9	55°	679.3	663.7	684.3	704.9	722.8	740.6	759.1	777.6	795.2	812.9
685.3	57.5°	662.5	639.7	661.9	684.1	705.0	726.0	744.3	762.6	780.4	798.1
676.2	60°	646.6	617.1	636.6	656.0	680.1	704.1	722.7	741.4	759.2	777.0
665.6	62.5°	628.6	591.8	604.1	616.5	644.5	672.6	692.4	712.3	728.6	745.0
643.3	65°	604.0	564.7	569.5	574.2	604.2	634.3	653.3	672.3	686.7	701.1
603.4	67.5°	570.8	538.1	536.6	535.1	562.8	590.6	608.6	626.6	639.0	651.4
552.9	70°	529.7	506.4	501.3	496.1	520.5	544.9	560.4	575.9	587.2	598.4
496.7	72.5°	480.7	464.8	457.2	449.6	468.9	488.0	502.1	516.1	527.1	538.1
432.8	75°	420.5	408.2	401.0	393.7	407.9	422.2	434.9	447.6	457.6	467.7
368.8	77.5°	359.0	349.1	341.8	334.4	346.0	357.6	368.5	379.5	390.0	400.5
295.9	80°	287.6	279.3	273.2	267.0	276.6	286.2	295.4	304.7	312.7	320.6
217.6	82.5°	213.6	209.5	205.2	200.8	200.0	199.2	196.0	192.7	209.8	226.8
143.3	85°	138.9	134.6	129.7	124.9	120.7	116.5	107.6	98.7	114.6	130.6
63.3	87.5°	61.6	59.8	58.9	58.0	57.8	57.7	50.9	44.0	50.7	57.4
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°
1499.4	0°	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4
1388.1	2.5°	1382.6	1378.3	1374.1	1370.2	1366.2	1361.3	1366.2	1370.2	1374.1	1378.3
1306.0	5°	1298.5	1293.1	1287.8	1283.7	1279.6	1275.6	1279.6	1283.7	1287.8	1293.1
1256.8	7.5°	1247.8	1241.7	1235.6	1231.9	1228.3	1225.5	1228.3	1231.9	1235.6	1241.7
1242.7	10°	1232.5	1226.7	1220.9	1217.8	1214.7	1213.4	1214.7	1217.8	1220.9	1226.7
1268.1	12.5°	1255.2	1248.7	1242.2	1239.6	1236.9	1236.5	1236.9	1239.6	1242.2	1248.7
1321.6	15°	1301.9	1292.9	1283.9	1280.5	1277.0	1276.7	1277.0	1280.5	1283.9	1292.9
1375.9	17.5°	1346.9	1333.6	1320.2	1315.8	1311.4	1310.7	1311.4	1315.8	1320.2	1333.6
1409.8	20°	1374.3	1357.2	1340.0	1334.6	1329.1	1327.4	1329.1	1334.6	1340.0	1357.2
1411.9	22.5°	1375.2	1357.2	1339.2	1333.1	1327.1	1324.5	1327.1	1333.1	1339.2	1357.2
1379.8	25°	1347.4	1331.7	1316.1	1310.4	1304.8	1301.5	1304.8	1310.4	1316.1	1331.7
1318.1	27.5°	1292.8	1282.4	1271.8	1269.2	1266.7	1265.8	1266.7	1269.2	1271.8	1282.4
1243.8	30°	1225.6	1220.3	1214.9	1214.9	1214.9	1215.7	1214.9	1214.9	1214.9	1220.3
1172.6	32.5°	1158.2	1154.7	1151.2	1151.6	1152.2	1153.0	1152.2	1151.6	1151.2	1154.7
1111.9	35°	1098.7	1093.3	1088.0	1086.9	1085.7	1085.1	1085.7	1086.9	1088.0	1093.3
1060.3	37.5°	1048.0	1038.3	1028.6	1023.5	1018.4	1015.5	1018.4	1023.5	1028.6	1038.3
1012.0	40°	1001.6	987.4	973.4	963.8	954.4	948.8	954.4	963.8	973.4	987.4
963.3	42.5°	954.5	937.0	919.4	905.6	891.7	882.6	891.7	905.6	919.4	937.0
916.1	45°	908.2	888.1	868.1	851.8	835.5	825.1	835.5	851.8	868.1	888.1
877.1	47.5°	871.6	853.7	835.9	820.8	805.8	795.7	805.8	820.8	835.9	853.7
849.9	50°	849.7	835.4	821.2	807.2	793.3	783.6	793.3	807.2	821.2	835.4
832.0	52.5°	835.0	823.3	811.7	799.2	786.8	777.9	786.8	799.2	811.7	823.3
817.0	55°	821.2	811.0	800.9	790.0	779.0	771.0	779.0	790.0	800.9	811.0
802.3	57.5°	806.5	796.3	786.1	775.2	764.4	756.0	764.4	775.2	786.1	796.3
781.6	60°	786.2	776.2	766.3	755.1	743.9	735.3	743.9	755.1	766.3	776.2
749.4	62.5°	753.8	744.8	735.8	724.0	712.3	701.9	712.3	724.0	735.8	744.8
705.6	65°	710.1	701.4	692.7	681.3	670.0	661.1	670.0	681.3	692.7	701.4
655.9	67.5°	660.2	652.2	644.3	633.7	623.1	615.1	623.1	633.7	644.3	652.2
602.6	70°	606.9	600.4	593.9	583.8	573.6	564.4	573.6	583.8	593.9	600.4
543.1	72.5°	548.2	542.8	537.4	527.7	518.1	509.2	518.1	527.7	537.4	542.8
472.9	75°	478.2	475.6	472.9	464.8	456.7	448.2	456.7	464.8	472.9	475.6
405.4	77.5°	410.3	406.7	402.9	394.7	386.5	379.7	386.5	394.7	402.9	406.7
327.2	80°	333.7	332.1	330.5	319.6	308.5	295.7	308.5	319.6	330.5	332.1
238.0	82.5°	249.1	248.4	247.7	238.4	229.1	220.9	229.1	238.4	247.7	248.4
144.4	85°	158.2	157.1	155.9	148.7	141.4	134.1	141.4	148.7	155.9	157.1
63.0	87.5°	68.6	67.2	65.7	62.0	58.2	54.7	58.2	62.0	65.7	67.2
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°
1499.4	0°	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4
1382.6	2.5°	1388.1	1393.5	1400.3	1407.0	1415.7	1424.5	1433.2	1441.9	1451.8	1461.7
1298.5	5°	1306.0	1313.6	1324.4	1335.1	1349.2	1363.1	1378.6	1394.0	1411.4	1428.9
1247.8	7.5°	1256.8	1265.8	1278.6	1291.4	1308.5	1325.6	1345.1	1364.5	1387.5	1410.5
1232.5	10°	1242.7	1252.7	1268.0	1283.3	1302.6	1321.9	1342.8	1363.7	1386.7	1409.8
1255.2	12.5°	1268.1	1281.0	1300.6	1320.2	1340.1	1360.0	1376.4	1392.8	1408.0	1423.3
1301.9	15°	1321.6	1341.3	1369.1	1397.0	1414.3	1431.6	1435.9	1440.1	1438.1	1436.0
1346.9	17.5°	1375.9	1404.9	1441.8	1478.7	1492.6	1506.6	1493.3	1479.9	1454.9	1429.8
1374.3	20°	1409.8	1445.3	1487.4	1529.6	1536.1	1542.5	1514.6	1486.7	1443.1	1399.6
1375.2	22.5°	1411.9	1448.5	1488.7	1529.0	1525.2	1521.3	1485.0	1448.6	1398.8	1349.1
1347.4	25°	1379.8	1412.4	1445.4	1478.4	1465.1	1451.8	1416.0	1380.3	1335.5	1290.8
1292.8	27.5°	1318.1	1343.4	1366.8	1390.4	1375.5	1360.6	1332.0	1303.3	1266.6	1229.8
1225.6	30°	1243.8	1261.9	1279.8	1297.7	1285.6	1273.6	1249.7	1226.0	1195.5	1165.0
1158.2	32.5°	1172.6	1187.1	1203.6	1220.1	1206.6	1193.2	1170.3	1147.6	1123.2	1098.8
1098.7	35°	1111.9	1125.3	1137.0	1148.7	1132.6	1116.5	1093.9	1071.3	1052.8	1034.2
1048.0	37.5°	1060.3	1072.6	1078.0	1083.4	1063.5	1043.6	1021.0	998.5	985.3	971.9
1001.6	40°	1012.0	1022.4	1021.2	1019.8	996.9	974.0	952.2	930.5	920.9	911.3
954.5	42.5°	963.3	972.1	965.5	958.8	934.1	909.4	888.7	868.1	860.2	852.4
908.2	45°	916.1	924.0	914.5	905.0	879.4	853.7	834.2	814.6	807.9	801.4
871.6	47.5°	877.1	882.6	871.7	860.7	835.4	810.1	791.0	771.8	765.7	759.5
849.7	50°	849.9	850.3	836.2	822.2	799.5	776.9	758.8	740.8	731.1	721.4
835.0	52.5°	832.0	829.0	812.4	795.7	774.6	753.4	736.9	720.4	705.9	691.3
821.2	55°	817.0	812.9	795.2	777.6	759.1	740.6	722.8	704.9	684.3	663.7
806.5	57.5°	802.3	798.1	780.4	762.6	744.3	726.0	705.0	684.1	661.9	639.7
786.2	60°	781.6	777.0	759.2	741.4	722.7	704.1	680.1	656.0	636.6	617.1
753.8	62.5°	749.4	745.0	728.6	712.3	692.4	672.6	644.5	616.5	604.1	591.8
710.1	65°	705.6	701.1	686.7	672.3	653.3	634.3	604.2	574.2	569.5	564.7
660.2	67.5°	655.9	651.4	639.0	626.6	608.6	590.6	562.8	535.1	536.6	538.1
606.9	70°	602.6	598.4	587.2	575.9	560.4	544.9	520.5	496.1	501.3	506.4
548.2	72.5°	543.1	538.1	527.1	516.1	502.1	488.0	468.9	449.6	457.2	464.8
478.2	75°	472.9	467.7	457.6	447.6	434.9	422.2	407.9	393.7	401.0	408.2
410.3	77.5°	405.4	400.5	390.0	379.5	368.5	357.6	346.0	334.4	341.8	349.1
333.7	80°	327.2	320.6	312.7	304.7	295.4	286.2	276.6	267.0	273.2	279.3
249.1	82.5°	238.0	226.8	209.8	192.7	196.0	199.2	200.0	200.8	205.2	209.5
158.2	85°	144.4	130.6	114.6	98.7	107.6	116.5	120.7	124.9	129.7	134.6
68.6	87.5°	63.0	57.4	50.7	44.0	50.9	57.7	57.8	58.0	58.9	59.8
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1499.4	0°	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4
1472.7	2.5°	1483.7	1497.4	1509.6	1522.3	1535.0	1548.2	1561.4	1574.5	1587.7	1600.1
1449.8	5°	1470.6	1494.5	1518.7	1544.3	1569.9	1597.3	1624.7	1651.9	1679.2	1706.5
1438.2	7.5°	1465.9	1496.8	1529.8	1565.5	1601.2	1641.8	1682.4	1724.0	1765.7	1810.7
1439.0	10°	1468.2	1501.4	1542.1	1584.4	1626.7	1676.0	1725.2	1780.2	1835.3	1892.3
1447.2	12.5°	1471.1	1502.0	1544.7	1592.5	1640.4	1698.5	1756.6	1819.0	1881.3	1943.9
1447.4	15°	1458.8	1483.6	1530.9	1586.3	1641.6	1708.5	1775.5	1843.1	1910.8	1976.1
1425.6	17.5°	1421.4	1436.7	1492.4	1558.9	1625.5	1703.2	1780.9	1854.7	1928.5	1994.7
1380.0	20°	1360.4	1364.5	1429.3	1511.8	1594.3	1688.5	1782.6	1863.7	1944.8	2013.7
1320.2	22.5°	1291.2	1283.3	1357.2	1456.5	1555.9	1670.4	1784.9	1875.9	1966.9	2037.2
1257.5	25°	1224.1	1202.8	1278.5	1394.8	1511.2	1652.6	1794.0	1898.0	2002.0	2070.8
1197.6	27.5°	1165.4	1139.5	1208.4	1338.4	1468.3	1640.6	1813.0	1932.5	2052.0	2117.8
1139.3	30°	1113.8	1093.5	1151.3	1291.2	1431.0	1635.1	1839.0	1977.2	2115.5	2179.0
1083.7	32.5°	1068.6	1059.5	1106.1	1250.5	1394.8	1628.2	1861.4	2023.9	2186.4	2249.2
1030.0	35°	1025.9	1029.6	1068.4	1210.5	1352.6	1615.2	1877.9	2077.1	2276.2	2336.5
976.5	37.5°	981.1	994.8	1028.7	1163.4	1298.1	1592.9	1887.6	2136.6	2385.6	2462.3
921.7	40°	932.1	953.1	983.9	1107.3	1230.7	1562.2	1893.8	2212.2	2530.6	2642.4
866.2	42.5°	880.0	906.5	934.8	1045.3	1155.8	1530.6	1905.5	2311.1	2716.7	2878.2
814.8	45°	828.2	853.8	882.6	979.5	1076.4	1501.2	1926.0	2441.3	2956.5	3174.3
770.8	47.5°	782.0	804.1	841.2	927.4	1013.7	1476.9	1940.1	2579.9	3219.7	3526.3
731.3	50°	741.4	767.0	815.7	892.8	969.9	1450.4	1930.9	2708.6	3486.2	3948.4
701.1	52.5°	711.0	746.8	802.9	870.1	937.3	1405.7	1874.2	2792.1	3709.9	4391.7
679.3	55°	694.9	748.8	801.0	853.5	906.1	1331.6	1757.2	2773.7	3790.2	4784.8
662.5	57.5°	685.3	750.8	796.9	834.0	871.1	1227.1	1583.1	2644.1	3705.2	5063.4
646.6	60°	676.2	744.5	774.9	804.1	833.2	1091.5	1349.7	2403.0	3456.3	5133.0
628.6	62.5°	665.6	729.0	732.7	752.1	771.4	929.1	1086.7	2076.9	3067.1	4839.9
604.0	65°	643.3	691.6	691.1	700.3	709.4	783.0	856.6	1744.3	2632.0	4425.1
570.8	67.5°	603.4	630.6	631.9	626.8	621.7	642.6	663.5	1418.4	2173.3	3931.5
529.7	70°	552.9	561.8	561.8	538.2	514.5	508.6	502.6	1116.8	1731.0	3392.9
480.7	72.5°	496.7	496.5	490.9	457.4	423.8	405.7	387.7	853.8	1319.9	2809.0
420.5	75°	432.8	435.0	409.0	371.3	333.7	317.4	301.0	619.7	938.3	2139.7
359.0	77.5°	368.8	370.0	327.1	290.6	254.0	242.9	231.8	419.9	608.0	1497.6
287.6	80°	295.9	296.0	244.8	213.9	183.0	178.4	173.8	270.5	367.4	964.9
213.6	82.5°	217.6	215.2	171.5	148.7	125.9	125.0	124.2	166.4	208.7	558.4
138.9	85°	143.3	140.1	107.6	90.9	74.2	74.7	75.1	89.0	102.9	251.2
61.6	87.5°	63.3	59.3	45.7	38.9	32.1	32.5	32.9	36.9	40.9	82.3
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°
1499.4	0°	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4
1612.5	2.5°	1618.6	1624.7	1633.4	1642.1	1647.3	1652.4	1655.0	1657.6	1656.5	1657.6
1733.9	5°	1755.2	1776.6	1797.8	1819.0	1830.5	1842.0	1849.0	1856.0	1861.3	1856.0
1855.8	7.5°	1890.6	1925.3	1956.5	1987.8	2006.6	2025.4	2035.6	2045.7	2050.6	2045.7
1949.3	10°	1990.4	2031.5	2068.1	2104.8	2127.0	2149.1	2159.0	2168.8	2172.6	2168.8
2006.6	12.5°	2051.1	2095.6	2128.7	2161.8	2177.9	2194.0	2199.4	2204.8	2205.4	2204.8
2041.4	15°	2079.8	2118.2	2139.0	2159.8	2160.4	2160.9	2155.2	2149.4	2142.6	2149.4
2060.9	17.5°	2086.9	2112.8	2113.2	2113.6	2090.3	2067.0	2045.6	2024.2	2009.2	2024.2
2082.5	20°	2091.6	2100.6	2073.3	2046.0	1994.6	1943.1	1905.7	1868.2	1845.2	1868.2
2107.6	22.5°	2095.7	2083.8	2027.2	1970.6	1895.0	1819.3	1772.5	1725.6	1700.2	1725.6
2139.8	25°	2102.4	2065.0	1979.0	1893.1	1801.2	1709.3	1660.0	1610.9	1586.8	1610.9
2183.5	27.5°	2116.6	2049.7	1935.9	1822.1	1720.2	1618.4	1569.9	1521.5	1498.8	1521.5
2242.5	30°	2142.8	2043.1	1903.0	1762.8	1656.7	1550.6	1505.7	1460.7	1439.6	1460.7
2312.1	32.5°	2175.6	2039.1	1880.5	1721.9	1622.2	1522.5	1487.3	1451.9	1436.7	1451.9
2396.7	35°	2229.6	2062.6	1897.3	1732.1	1662.9	1593.6	1585.4	1577.2	1575.9	1577.2
2539.1	37.5°	2342.5	2146.0	1995.8	1845.6	1841.2	1836.7	1874.3	1911.9	1931.5	1911.9
2754.3	40°	2540.5	2326.8	2215.1	2103.4	2182.2	2261.1	2352.5	2444.0	2489.6	2444.0
3039.6	42.5°	2827.6	2615.5	2551.2	2486.8	2658.7	2830.7	2997.1	3163.5	3261.2	3163.5
3392.0	45°	3201.5	3011.0	2982.6	2954.2	3229.6	3505.1	3778.5	4052.0	4218.0	4052.0
3832.8	47.5°	3647.5	3462.1	3456.3	3450.6	3847.9	4245.1	4645.4	5045.6	5280.7	5045.6
4410.4	50°	4181.5	3952.6	3953.6	3954.6	4466.7	4978.7	5507.1	6035.4	6354.9	6035.4
5073.5	52.5°	4796.3	4519.2	4491.2	4463.1	5074.8	5686.4	6340.1	6993.8	7376.7	6993.8
5779.5	55°	5505.6	5231.8	5122.5	5013.2	5694.0	6374.7	7154.1	7933.4	8388.8	7933.4
6421.6	57.5°	6272.5	6123.3	5904.1	5685.0	6372.4	7059.8	7942.5	8825.2	9389.9	8825.2
6809.7	60°	7041.3	7273.0	7000.9	6728.7	7379.3	8029.8	8974.8	9919.9	10530.3	9919.9
6612.6	62.5°	7245.6	7878.5	7847.9	7817.2	8413.1	9009.0	9908.2	10807.3	11371.5	10807.3
6218.2	65°	6812.3	7406.3	7523.9	7641.4	8398.7	9156.0	10027.9	10899.8	11380.1	10899.8
5689.8	67.5°	6254.8	6819.8	6874.9	6930.0	7719.0	8508.0	9383.6	10259.3	10635.6	10259.3
5054.8	70°	5669.4	6284.0	6308.6	6333.3	7038.9	7744.5	8498.0	9251.5	9460.7	9251.5
4298.2	72.5°	5003.5	5708.7	5726.5	5744.1	6296.2	6848.2	7412.6	7976.9	7998.1	7976.9
3341.1	75°	4071.0	4800.9	4866.5	4932.0	5361.5	5791.0	6188.3	6585.6	6479.2	6585.6
2387.2	77.5°	3068.5	3749.9	3843.7	3937.5	4264.0	4590.5	4872.3	5154.1	4971.1	5154.1
1562.4	80°	2135.6	2708.8	2825.4	2941.9	3188.5	3435.0	3583.0	3730.9	3436.6	3730.9
908.2	82.5°	1300.1	1692.0	1822.2	1952.5	2122.2	2292.0	2353.7	2415.4	2184.1	2415.4
399.6	85°	607.6	815.6	926.3	1037.1	1176.6	1316.0	1351.0	1386.0	1200.8	1386.0
123.7	87.5°	193.6	263.5	325.3	387.1	456.8	526.6	529.6	532.5	447.1	532.5
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):

325°		330°	335°	340°	345°	350°	355°	360°
1499.4	0°	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4	1499.4
1655.0	2.5°	1652.4	1647.3	1642.1	1633.4	1624.7	1618.6	1612.5
1849.0	5°	1842.0	1830.5	1819.0	1797.8	1776.6	1755.2	1733.9
2035.6	7.5°	2025.4	2006.6	1987.8	1956.5	1925.3	1890.6	1855.8
2159.0	10°	2149.1	2127.0	2104.8	2068.1	2031.5	1990.4	1949.3
2199.4	12.5°	2194.0	2177.9	2161.8	2128.7	2095.6	2051.1	2006.6
2155.2	15°	2160.9	2160.4	2159.8	2139.0	2118.2	2079.8	2041.4
2045.6	17.5°	2067.0	2090.3	2113.6	2113.2	2112.8	2086.9	2060.9
1905.7	20°	1943.1	1994.6	2046.0	2073.3	2100.6	2091.6	2082.5
1772.5	22.5°	1819.3	1895.0	1970.6	2027.2	2083.8	2095.7	2107.6
1660.0	25°	1709.3	1801.2	1893.1	1979.0	2065.0	2102.4	2139.8
1569.9	27.5°	1618.4	1720.2	1822.1	1935.9	2049.7	2116.6	2183.5
1505.7	30°	1550.6	1656.7	1762.8	1903.0	2043.1	2142.8	2242.5
1487.3	32.5°	1522.5	1622.2	1721.9	1880.5	2039.1	2175.6	2312.1
1585.4	35°	1593.6	1662.9	1732.1	1897.3	2062.6	2229.6	2396.7
1874.3	37.5°	1836.7	1841.2	1845.6	1995.8	2146.0	2342.5	2539.1
2352.5	40°	2261.1	2182.2	2103.4	2215.1	2326.8	2540.5	2754.3
2997.1	42.5°	2830.7	2658.7	2486.8	2551.2	2615.5	2827.6	3039.6
3778.5	45°	3505.1	3229.6	2954.2	2982.6	3011.0	3201.5	3392.0
4645.4	47.5°	4245.1	3847.9	3450.6	3456.3	3462.1	3647.5	3832.8
5507.1	50°	4978.7	4466.7	3954.6	3953.6	3952.6	4181.5	4410.4
6340.1	52.5°	5686.4	5074.8	4463.1	4491.2	4519.2	4796.3	5073.5
7154.1	55°	6374.7	5694.0	5013.2	5122.5	5231.8	5505.6	5779.5
7942.5	57.5°	7059.8	6372.4	5685.0	5904.1	6123.3	6272.5	6421.6
8974.8	60°	8029.8	7379.3	6728.7	7000.9	7273.0	7041.3	6809.7
9908.2	62.5°	9009.0	8413.1	7817.2	7847.9	7878.5	7245.6	6612.6
10027.9	65°	9156.0	8398.7	7641.4	7523.9	7406.3	6812.3	6218.2
9383.6	67.5°	8508.0	7719.0	6930.0	6874.9	6819.8	6254.8	5689.8
8498.0	70°	7744.5	7038.9	6333.3	6308.6	6284.0	5669.4	5054.8
7412.6	72.5°	6848.2	6296.2	5744.1	5726.5	5708.7	5003.5	4298.2
6188.3	75°	5791.0	5361.5	4932.0	4866.5	4800.9	4071.0	3341.1
4872.3	77.5°	4590.5	4264.0	3937.5	3843.7	3749.9	3068.5	2387.2
3583.0	80°	3435.0	3188.5	2941.9	2825.4	2708.8	2135.6	1562.4
2353.7	82.5°	2292.0	2122.2	1952.5	1822.2	1692.0	1300.1	908.2
1351.0	85°	1316.0	1176.6	1037.1	926.3	815.6	607.6	399.6
529.6	87.5°	526.6	456.8	387.1	325.3	263.5	193.6	123.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)