

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: P946079

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946079
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-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT 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

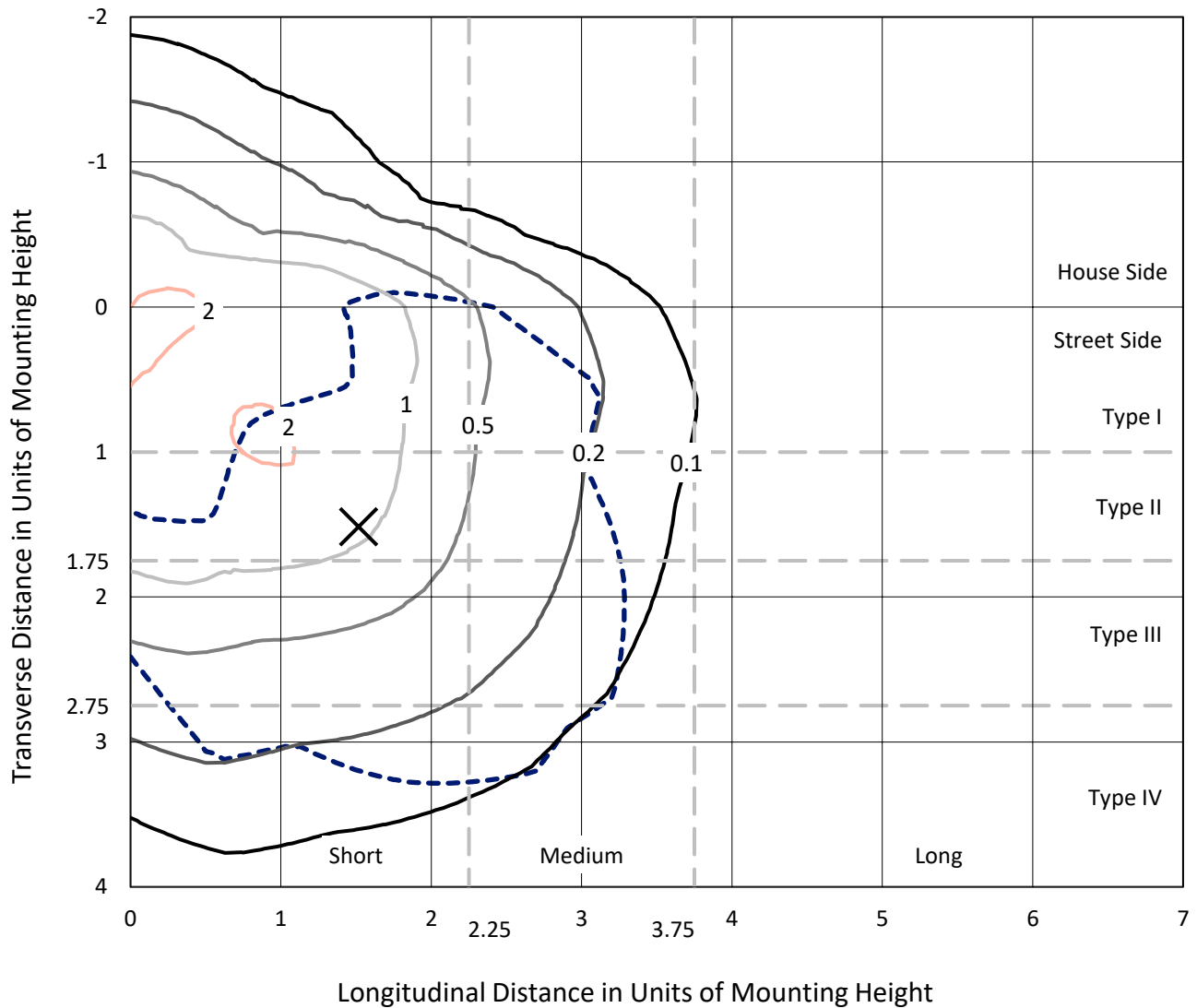
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

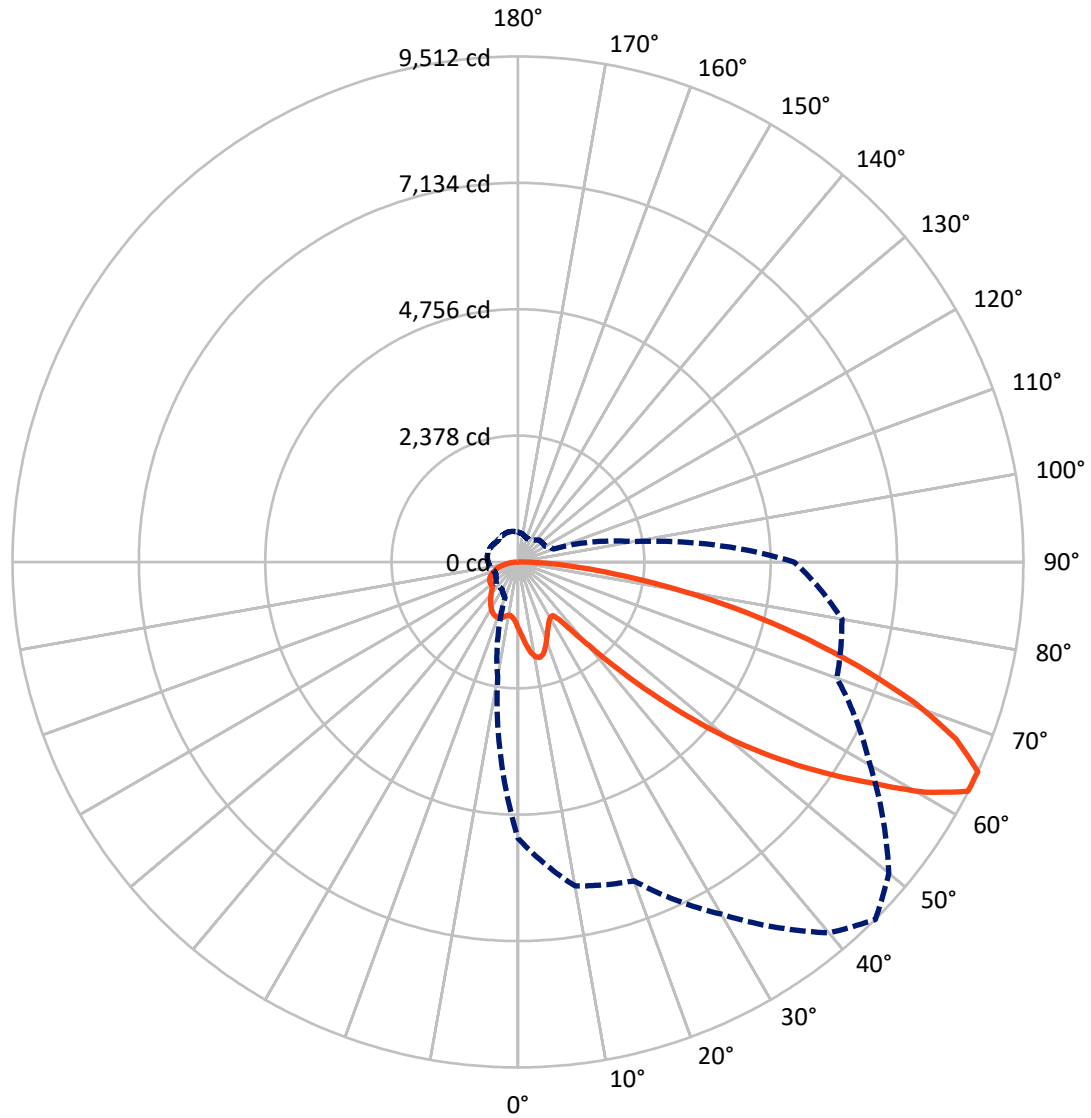
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	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

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

Coefficient of Utilization



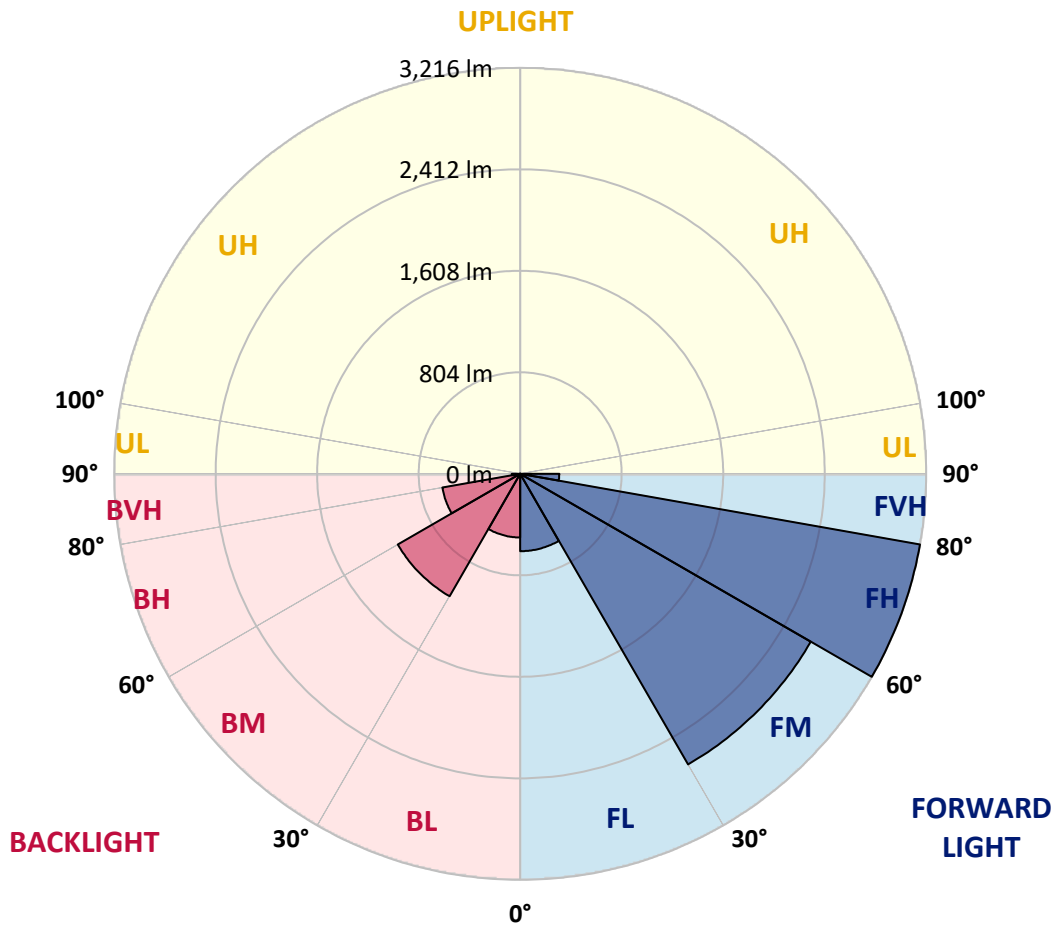
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

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	1352.9	1358.0	1365.3	1372.5	1376.8	1381.2	1383.3	1385.5	1384.5
5°	1449.2	1467.1	1485.0	1502.7	1520.4	1530.0	1539.6	1545.5	1551.3	1555.7
7.5°	1551.2	1580.2	1609.2	1635.3	1661.5	1677.2	1692.9	1701.4	1709.9	1714.0
10°	1629.3	1663.7	1698.0	1728.6	1759.3	1777.8	1796.3	1804.6	1812.8	1815.9
12.5°	1677.2	1714.4	1751.6	1779.3	1806.9	1820.3	1833.8	1838.3	1842.9	1843.3
15°	1706.3	1738.4	1770.5	1787.8	1805.2	1805.7	1806.2	1801.4	1796.6	1790.9
17.5°	1722.6	1744.3	1766.0	1766.3	1766.6	1747.1	1727.7	1709.8	1691.9	1679.3
20°	1740.7	1748.2	1755.8	1733.0	1710.1	1667.1	1624.1	1592.8	1561.5	1542.3
22.5°	1761.6	1751.7	1741.8	1694.4	1647.1	1583.9	1520.6	1481.5	1442.3	1421.1
25°	1788.5	1757.2	1726.0	1654.1	1582.3	1505.5	1428.7	1387.5	1346.5	1326.4
27.5°	1825.1	1769.2	1713.2	1618.1	1522.9	1437.8	1352.7	1312.2	1271.8	1252.8
30°	1874.3	1791.0	1707.7	1590.6	1473.4	1384.7	1296.1	1258.5	1220.9	1203.2
32.5°	1932.5	1818.4	1704.3	1571.8	1439.3	1355.9	1272.6	1243.1	1213.6	1200.8
35°	2003.2	1863.6	1724.0	1585.9	1447.8	1389.9	1332.0	1325.1	1318.3	1317.2
37.5°	2122.3	1958.0	1793.7	1668.2	1542.7	1538.9	1535.2	1566.6	1598.1	1614.4
40°	2302.1	2123.5	1944.8	1851.5	1758.1	1824.0	1889.9	1966.3	2042.8	2080.9
42.5°	2540.7	2363.4	2186.1	2132.4	2078.6	2222.3	2366.0	2505.1	2644.1	2725.8
45°	2835.2	2676.0	2516.7	2493.0	2469.2	2699.4	2929.7	3158.2	3386.8	3525.6
47.5°	3203.6	3048.7	2893.7	2888.9	2884.1	3216.2	3548.3	3882.8	4217.3	4413.8
50°	3686.4	3495.1	3303.8	3304.6	3305.4	3733.4	4161.4	4603.0	5044.7	5311.7
52.5°	4240.7	4009.0	3777.3	3753.9	3730.4	4241.7	4752.9	5299.3	5845.7	6165.8
55°	4830.7	4601.8	4372.9	4281.6	4190.3	4759.3	5328.3	5979.6	6631.0	7011.7
57.5°	5367.4	5242.8	5118.1	4934.9	4751.8	5326.3	5900.9	6638.7	7376.5	7848.5
60°	5691.8	5885.4	6079.1	5851.6	5624.2	6167.9	6711.6	7501.5	8291.5	8801.6
62.5°	5527.1	6056.2	6585.2	6559.6	6533.9	7032.0	7530.1	8281.7	9033.2	9504.7
65°	5197.4	5694.0	6190.5	6288.8	6387.0	7020.0	7653.0	8381.7	9110.5	9511.9
67.5°	4755.7	5228.0	5700.2	5746.3	5792.3	6451.9	7111.3	7843.2	8575.1	8889.6
70°	4225.0	4738.7	5252.4	5273.0	5293.6	5883.4	6473.2	7103.0	7732.8	7907.6
72.5°	3592.6	4182.1	4771.6	4786.4	4801.2	5262.6	5724.0	6195.8	6667.4	6685.1
75°	2792.6	3402.7	4012.8	4067.6	4122.4	4481.4	4840.4	5172.4	5504.5	5415.5
77.5°	1995.3	2564.8	3134.3	3212.7	3291.1	3564.0	3836.9	4072.4	4308.0	4155.1
80°	1305.9	1785.0	2264.1	2361.6	2459.0	2665.1	2871.1	2994.8	3118.5	2872.5
82.5°	759.1	1086.7	1414.3	1523.1	1632.0	1773.8	1915.7	1967.3	2018.9	1825.5
85°	334.0	507.8	681.7	774.3	866.8	983.4	1099.9	1129.2	1158.5	1003.7
87.5°	103.4	161.8	220.3	271.9	323.6	381.8	440.1	442.6	445.1	373.7
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
1385.5	2.5°	1383.3	1381.2	1376.8	1372.5	1365.3	1358.0	1352.9	1347.8	1337.4	1327.1
1551.3	5°	1545.5	1539.6	1530.0	1520.4	1502.7	1485.0	1467.1	1449.2	1426.4	1403.5
1709.9	7.5°	1701.4	1692.9	1677.2	1661.5	1635.3	1609.2	1580.2	1551.2	1513.5	1475.8
1812.8	10°	1804.6	1796.3	1777.8	1759.3	1728.6	1698.0	1663.7	1629.3	1581.7	1534.0
1842.9	12.5°	1838.3	1833.8	1820.3	1806.9	1779.3	1751.6	1714.4	1677.2	1624.8	1572.5
1796.6	15°	1801.4	1806.2	1805.7	1805.2	1787.8	1770.5	1738.4	1706.3	1651.7	1597.1
1691.9	17.5°	1709.8	1727.7	1747.1	1766.6	1766.3	1766.0	1744.3	1722.6	1667.3	1611.9
1561.5	20°	1592.8	1624.1	1667.1	1710.1	1733.0	1755.8	1748.2	1740.7	1683.1	1625.6
1442.3	22.5°	1481.5	1520.6	1583.9	1647.1	1694.4	1741.8	1751.7	1761.6	1702.8	1644.0
1346.5	25°	1387.5	1428.7	1505.5	1582.3	1654.1	1726.0	1757.2	1788.5	1730.9	1673.3
1271.8	27.5°	1312.2	1352.7	1437.8	1522.9	1618.1	1713.2	1769.2	1825.1	1770.1	1715.2
1220.9	30°	1258.5	1296.1	1384.7	1473.4	1590.6	1707.7	1791.0	1874.3	1821.3	1768.2
1213.6	32.5°	1243.1	1272.6	1355.9	1439.3	1571.8	1704.3	1818.4	1932.5	1880.0	1827.5
1318.3	35°	1325.1	1332.0	1389.9	1447.8	1585.9	1724.0	1863.6	2003.2	1952.9	1902.6
1598.1	37.5°	1566.6	1535.2	1538.9	1542.7	1668.2	1793.7	1958.0	2122.3	2058.1	1994.0
2042.8	40°	1966.3	1889.9	1824.0	1758.1	1851.5	1944.8	2123.5	2302.1	2208.6	2115.1
2644.1	42.5°	2505.1	2366.0	2222.3	2078.6	2132.4	2186.1	2363.4	2540.7	2405.7	2270.8
3386.8	45°	3158.2	2929.7	2699.4	2469.2	2493.0	2516.7	2676.0	2835.2	2653.2	2471.2
4217.3	47.5°	3882.8	3548.3	3216.2	2884.1	2888.9	2893.7	3048.7	3203.6	2947.4	2691.2
5044.7	50°	4603.0	4161.4	3733.4	3305.4	3304.6	3303.8	3495.1	3686.4	3300.2	2913.9
5845.7	52.5°	5299.3	4752.9	4241.7	3730.4	3753.9	3777.3	4009.0	4240.7	3670.8	3100.9
6631.0	55°	5979.6	5328.3	4759.3	4190.3	4281.6	4372.9	4601.8	4830.7	3999.4	3168.0
7376.5	57.5°	6638.7	5900.9	5326.3	4751.8	4934.9	5118.1	5242.8	5367.4	4232.2	3097.0
8291.5	60°	7501.5	6711.6	6167.9	5624.2	5851.6	6079.1	5885.4	5691.8	4290.4	2888.9
9033.2	62.5°	8281.7	7530.1	7032.0	6533.9	6559.6	6585.2	6056.2	5527.1	4045.4	2563.6
9110.5	65°	8381.7	7653.0	7020.0	6387.0	6288.8	6190.5	5694.0	5197.4	3698.7	2199.9
8575.1	67.5°	7843.2	7111.3	6451.9	5792.3	5746.3	5700.2	5228.0	4755.7	3286.1	1816.5
7732.8	70°	7103.0	6473.2	5883.4	5293.6	5273.0	5252.4	4738.7	4225.0	2835.9	1446.8
6667.4	72.5°	6195.8	5724.0	5262.6	4801.2	4786.4	4771.6	4182.1	3592.6	2347.9	1103.2
5504.5	75°	5172.4	4840.4	4481.4	4122.4	4067.6	4012.8	3402.7	2792.6	1788.5	784.3
4308.0	77.5°	4072.4	3836.9	3564.0	3291.1	3212.7	3134.3	2564.8	1995.3	1251.8	508.2
3118.5	80°	2994.8	2871.1	2665.1	2459.0	2361.6	2264.1	1785.0	1305.9	806.5	307.1
2018.9	82.5°	1967.3	1915.7	1773.8	1632.0	1523.1	1414.3	1086.7	759.1	466.8	174.5
1158.5	85°	1129.2	1099.9	983.4	866.8	774.3	681.7	507.8	334.0	210.0	86.0
445.1	87.5°	442.6	440.1	381.8	323.6	271.9	220.3	161.8	103.4	68.8	34.1
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):

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
1316.1	2.5°	1305.1	1294.0	1283.0	1272.4	1261.8	1251.6	1240.2	1230.9	1221.8	1213.4
1380.7	5°	1358.0	1335.1	1312.2	1290.8	1269.4	1249.2	1229.2	1211.8	1194.3	1179.7
1441.0	7.5°	1406.2	1372.3	1338.4	1308.5	1278.6	1251.1	1225.3	1202.1	1179.0	1159.7
1488.0	10°	1442.0	1400.8	1359.6	1324.3	1288.9	1254.9	1227.2	1202.8	1178.3	1159.1
1520.4	12.5°	1468.2	1419.6	1371.1	1331.1	1291.1	1255.4	1229.6	1209.6	1189.7	1176.9
1540.5	15°	1484.0	1428.1	1372.1	1325.9	1279.6	1240.0	1219.3	1209.8	1200.3	1202.0
1550.2	17.5°	1488.5	1423.6	1358.7	1303.0	1247.4	1200.8	1188.1	1191.6	1195.1	1216.0
1557.8	20°	1490.0	1411.3	1332.6	1263.6	1194.7	1140.5	1137.1	1153.5	1169.8	1206.2
1568.0	22.5°	1491.9	1396.2	1300.5	1217.4	1134.4	1072.7	1079.3	1103.4	1127.6	1169.2
1586.4	25°	1499.5	1381.3	1263.1	1165.8	1068.6	1005.3	1023.1	1051.0	1078.9	1116.3
1615.3	27.5°	1515.3	1371.3	1227.3	1118.6	1010.0	952.4	974.1	1001.0	1027.9	1058.7
1652.6	30°	1537.1	1366.7	1196.1	1079.2	962.3	914.0	930.9	952.3	973.7	999.2
1691.7	32.5°	1555.8	1360.9	1165.8	1045.2	924.6	885.6	893.1	905.8	918.4	938.8
1736.1	35°	1569.6	1350.0	1130.5	1011.8	893.1	860.6	857.5	860.9	864.4	880.0
1785.9	37.5°	1577.8	1331.4	1085.0	972.4	859.9	831.5	820.0	816.2	812.4	823.5
1849.1	40°	1582.9	1305.8	1028.7	925.5	822.4	796.6	779.1	770.4	761.7	769.7
1931.7	42.5°	1592.7	1279.3	966.1	873.7	781.4	757.7	735.6	724.0	712.5	719.0
2040.5	45°	1609.8	1254.7	899.7	818.7	737.7	713.7	692.3	681.0	669.8	675.3
2156.4	47.5°	1621.6	1234.4	847.3	775.2	703.1	672.1	653.7	644.2	634.8	640.0
2263.9	50°	1613.9	1212.3	810.7	746.3	681.8	641.1	619.7	611.3	603.0	611.0
2333.8	52.5°	1566.6	1175.0	783.4	727.2	671.1	624.2	594.3	586.0	577.8	590.0
2318.4	55°	1468.7	1113.0	757.3	713.4	669.5	625.9	580.8	567.8	554.7	572.0
2210.1	57.5°	1323.2	1025.7	728.1	697.1	666.1	627.6	572.8	553.7	534.7	553.2
2008.5	60°	1128.1	912.3	696.5	672.1	647.7	622.3	565.2	540.5	515.8	532.1
1736.0	62.5°	908.3	776.6	644.8	628.6	612.4	609.3	556.3	525.4	494.6	505.0
1457.9	65°	716.0	654.5	593.0	585.3	577.7	578.1	537.7	504.9	472.0	476.0
1185.5	67.5°	554.6	537.1	519.6	523.9	528.1	527.1	504.4	477.1	449.7	448.5
933.4	70°	420.1	425.1	430.0	449.8	469.6	469.6	462.2	442.7	423.3	419.0
713.6	72.5°	324.0	339.1	354.2	382.3	410.3	415.0	415.1	401.8	388.5	382.1
517.9	75°	251.6	265.3	278.9	310.4	341.8	363.6	361.7	351.5	341.2	335.1
351.0	77.5°	193.7	203.0	212.3	242.9	273.4	309.2	308.3	300.0	291.8	285.7
226.1	80°	145.2	149.1	152.9	178.8	204.6	247.4	247.3	240.4	233.5	228.3
139.1	82.5°	103.8	104.5	105.2	124.3	143.3	179.9	181.9	178.5	175.1	171.5
74.3	85°	62.8	62.4	62.0	76.0	89.9	117.1	119.7	116.1	112.5	108.4
30.8	87.5°	27.5	27.2	26.8	32.5	38.2	49.5	52.9	51.5	50.0	49.2
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
1205.2	2.5°	1197.9	1190.6	1183.3	1176.1	1170.4	1164.8	1160.2	1155.6	1152.1	1148.5
1165.2	5°	1152.3	1139.4	1127.7	1116.0	1107.0	1097.9	1091.6	1085.3	1080.8	1076.4
1140.5	7.5°	1124.3	1108.0	1093.7	1079.4	1068.7	1058.0	1050.5	1043.0	1037.9	1032.8
1139.9	10°	1122.4	1104.9	1088.8	1072.7	1059.9	1047.0	1038.7	1030.2	1025.3	1020.5
1164.2	12.5°	1150.4	1136.8	1120.1	1103.4	1087.1	1070.7	1059.9	1049.1	1043.7	1038.3
1203.7	15°	1200.2	1196.6	1182.1	1167.7	1144.4	1121.1	1104.7	1088.2	1080.7	1073.2
1237.0	17.5°	1248.2	1259.3	1247.6	1235.9	1205.1	1174.3	1150.1	1125.8	1114.7	1103.4
1242.7	20°	1266.0	1289.3	1283.9	1278.5	1243.3	1208.0	1178.3	1148.7	1134.4	1120.0
1210.8	22.5°	1241.2	1271.5	1274.8	1278.0	1244.4	1210.7	1180.1	1149.5	1134.4	1119.3
1153.7	25°	1183.6	1213.4	1224.6	1235.7	1208.1	1180.5	1153.3	1126.2	1113.1	1100.1
1089.4	27.5°	1113.3	1137.3	1149.7	1162.1	1142.5	1122.8	1101.7	1080.6	1071.9	1063.1
1024.7	30°	1044.6	1064.5	1074.6	1084.7	1069.7	1054.7	1039.6	1024.4	1020.0	1015.4
959.2	32.5°	978.2	997.3	1008.5	1019.8	1006.0	992.2	980.1	968.1	965.1	962.2
895.5	35°	914.3	933.2	946.7	960.1	950.3	940.6	929.4	918.3	913.8	909.4
834.6	37.5°	853.4	872.3	888.9	905.6	901.0	896.5	886.3	876.0	867.9	859.8
777.7	40°	795.9	814.1	833.2	852.4	853.5	854.6	845.9	837.2	825.3	813.6
725.6	42.5°	742.8	760.1	780.8	801.4	807.0	812.5	805.1	797.8	783.2	768.5
680.9	45°	697.2	713.6	735.0	756.5	764.4	772.3	765.7	759.1	742.3	725.6
645.1	47.5°	661.2	677.1	698.3	719.4	728.6	737.7	733.1	728.5	713.6	698.7
619.2	50°	634.3	649.3	668.3	687.2	699.0	710.7	710.4	710.2	698.3	686.4
602.1	52.5°	616.0	629.8	647.4	665.1	679.0	692.9	695.4	697.9	688.2	678.5
589.2	55°	604.1	619.0	634.5	650.0	664.7	679.4	682.9	686.4	677.9	669.4
571.8	57.5°	589.3	606.8	622.1	637.4	652.3	667.1	670.6	674.1	665.6	657.0
548.3	60°	568.4	588.5	604.1	619.7	634.6	649.5	653.3	657.2	648.8	640.5
515.3	62.5°	538.7	562.2	578.8	595.4	609.0	622.7	626.4	630.1	622.5	615.0
479.9	65°	505.1	530.2	546.1	561.9	574.0	586.0	589.8	593.5	586.3	579.0
447.2	67.5°	470.4	493.7	508.7	523.7	534.1	544.5	548.2	551.8	545.2	538.5
414.6	70°	435.0	455.4	468.4	481.4	490.8	500.1	503.7	507.3	501.8	496.4
375.8	72.5°	391.9	407.9	419.6	431.4	440.6	449.7	454.0	458.2	453.7	449.2
329.0	75°	341.0	352.9	363.5	374.1	382.5	390.9	395.3	399.7	397.5	395.3
279.5	77.5°	289.2	298.9	308.0	317.2	326.0	334.7	338.8	343.0	339.9	336.7
223.1	80°	231.2	239.3	246.9	254.6	261.3	268.0	273.4	278.9	277.6	276.3
167.8	82.5°	167.2	166.5	163.8	161.1	175.3	189.6	198.9	208.2	207.7	207.0
104.4	85°	100.9	97.4	89.9	82.5	95.8	109.2	120.7	132.3	131.3	130.3
48.5	87.5°	48.3	48.2	42.5	36.8	42.4	48.0	52.7	57.3	56.2	54.9
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):

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
1145.2	2.5°	1141.9	1137.8	1141.9	1145.2	1148.5	1152.1	1155.6	1160.2	1164.8	1170.4
1073.0	5°	1069.5	1066.2	1069.5	1073.0	1076.4	1080.8	1085.3	1091.6	1097.9	1107.0
1029.7	7.5°	1026.6	1024.3	1026.6	1029.7	1032.8	1037.9	1043.0	1050.5	1058.0	1068.7
1017.9	10°	1015.3	1014.2	1015.3	1017.9	1020.5	1025.3	1030.2	1038.7	1047.0	1059.9
1036.1	12.5°	1033.9	1033.5	1033.9	1036.1	1038.3	1043.7	1049.1	1059.9	1070.7	1087.1
1070.3	15°	1067.4	1067.1	1067.4	1070.3	1073.2	1080.7	1088.2	1104.7	1121.1	1144.4
1099.8	17.5°	1096.1	1095.5	1096.1	1099.8	1103.4	1114.7	1125.8	1150.1	1174.3	1205.1
1115.5	20°	1110.9	1109.5	1110.9	1115.5	1120.0	1134.4	1148.7	1178.3	1208.0	1243.3
1114.3	22.5°	1109.2	1107.1	1109.2	1114.3	1119.3	1134.4	1149.5	1180.1	1210.7	1244.4
1095.3	25°	1090.6	1087.8	1090.6	1095.3	1100.1	1113.1	1126.2	1153.3	1180.5	1208.1
1060.9	27.5°	1058.7	1058.0	1058.7	1060.9	1063.1	1071.9	1080.6	1101.7	1122.8	1142.5
1015.4	30°	1015.4	1016.2	1015.4	1015.4	1015.4	1020.0	1024.4	1039.6	1054.7	1069.7
962.6	32.5°	963.0	963.7	963.0	962.6	962.2	965.1	968.1	980.1	992.2	1006.0
908.4	35°	907.5	907.0	907.5	908.4	909.4	913.8	918.3	929.4	940.6	950.3
855.5	37.5°	851.2	848.8	851.2	855.5	859.8	867.9	876.0	886.3	896.5	901.0
805.6	40°	797.7	793.0	797.7	805.6	813.6	825.3	837.2	845.9	854.6	853.5
756.9	42.5°	745.3	737.7	745.3	756.9	768.5	783.2	797.8	805.1	812.5	807.0
712.0	45°	698.4	689.6	698.4	712.0	725.6	742.3	759.1	765.7	772.3	764.4
686.1	47.5°	673.5	665.1	673.5	686.1	698.7	713.6	728.5	733.1	737.7	728.6
674.7	50°	663.1	655.0	663.1	674.7	686.4	698.3	710.2	710.4	710.7	699.0
668.0	52.5°	657.6	650.2	657.6	668.0	678.5	688.2	697.9	695.4	692.9	679.0
660.3	55°	651.2	644.4	651.2	660.3	669.4	677.9	686.4	682.9	679.4	664.7
648.0	57.5°	638.9	631.9	638.9	648.0	657.0	665.6	674.1	670.6	667.1	652.3
631.1	60°	621.8	614.6	621.8	631.1	640.5	648.8	657.2	653.3	649.5	634.6
605.2	62.5°	595.4	586.7	595.4	605.2	615.0	622.5	630.1	626.4	622.7	609.0
569.5	65°	560.0	552.6	560.0	569.5	579.0	586.3	593.5	589.8	586.0	574.0
529.7	67.5°	520.8	514.1	520.8	529.7	538.5	545.2	551.8	548.2	544.5	534.1
487.9	70°	479.5	471.8	479.5	487.9	496.4	501.8	507.3	503.7	500.1	490.8
441.1	72.5°	433.1	425.6	433.1	441.1	449.2	453.7	458.2	454.0	449.7	440.6
388.5	75°	381.7	374.6	381.7	388.5	395.3	397.5	399.7	395.3	390.9	382.5
329.9	77.5°	323.1	317.4	323.1	329.9	336.7	339.9	343.0	338.8	334.7	326.0
267.1	80°	257.9	247.2	257.9	267.1	276.3	277.6	278.9	273.4	268.0	261.3
199.3	82.5°	191.5	184.7	191.5	199.3	207.0	207.7	208.2	198.9	189.6	175.3
124.3	85°	118.2	112.1	118.2	124.3	130.3	131.3	132.3	120.7	109.2	95.8
51.8	87.5°	48.7	45.7	48.7	51.8	54.9	56.2	57.3	52.7	48.0	42.4
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):

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
1176.1	2.5°	1183.3	1190.6	1197.9	1205.2	1213.4	1221.8	1230.9	1240.2	1251.6	1261.8
1116.0	5°	1127.7	1139.4	1152.3	1165.2	1179.7	1194.3	1211.8	1229.2	1249.2	1269.4
1079.4	7.5°	1093.7	1108.0	1124.3	1140.5	1159.7	1179.0	1202.1	1225.3	1251.1	1278.6
1072.7	10°	1088.8	1104.9	1122.4	1139.9	1159.1	1178.3	1202.8	1227.2	1254.9	1288.9
1103.4	12.5°	1120.1	1136.8	1150.4	1164.2	1176.9	1189.7	1209.6	1229.6	1255.4	1291.1
1167.7	15°	1182.1	1196.6	1200.2	1203.7	1202.0	1200.3	1209.8	1219.3	1240.0	1279.6
1235.9	17.5°	1247.6	1259.3	1248.2	1237.0	1216.0	1195.1	1191.6	1188.1	1200.8	1247.4
1278.5	20°	1283.9	1289.3	1266.0	1242.7	1206.2	1169.8	1153.5	1137.1	1140.5	1194.7
1278.0	22.5°	1274.8	1271.5	1241.2	1210.8	1169.2	1127.6	1103.4	1079.3	1072.7	1134.4
1235.7	25°	1224.6	1213.4	1183.6	1153.7	1116.3	1078.9	1051.0	1023.1	1005.3	1068.6
1162.1	27.5°	1149.7	1137.3	1113.3	1089.4	1058.7	1027.9	1001.0	974.1	952.4	1010.0
1084.7	30°	1074.6	1064.5	1044.6	1024.7	999.2	973.7	952.3	930.9	914.0	962.3
1019.8	32.5°	1008.5	997.3	978.2	959.2	938.8	918.4	905.8	893.1	885.6	924.6
960.1	35°	946.7	933.2	914.3	895.5	880.0	864.4	860.9	857.5	860.6	893.1
905.6	37.5°	888.9	872.3	853.4	834.6	823.5	812.4	816.2	820.0	831.5	859.9
852.4	40°	833.2	814.1	795.9	777.7	769.7	761.7	770.4	779.1	796.6	822.4
801.4	42.5°	780.8	760.1	742.8	725.6	719.0	712.5	724.0	735.6	757.7	781.4
756.5	45°	735.0	713.6	697.2	680.9	675.3	669.8	681.0	692.3	713.7	737.7
719.4	47.5°	698.3	677.1	661.2	645.1	640.0	634.8	644.2	653.7	672.1	703.1
687.2	50°	668.3	649.3	634.3	619.2	611.0	603.0	611.3	619.7	641.1	681.8
665.1	52.5°	647.4	629.8	616.0	602.1	590.0	577.8	586.0	594.3	624.2	671.1
650.0	55°	634.5	619.0	604.1	589.2	572.0	554.7	567.8	580.8	625.9	669.5
637.4	57.5°	622.1	606.8	589.3	571.8	553.2	534.7	553.7	572.8	627.6	666.1
619.7	60°	604.1	588.5	568.4	548.3	532.1	515.8	540.5	565.2	622.3	647.7
595.4	62.5°	578.8	562.2	538.7	515.3	505.0	494.6	525.4	556.3	609.3	612.4
561.9	65°	546.1	530.2	505.1	479.9	476.0	472.0	504.9	537.7	578.1	577.7
523.7	67.5°	508.7	493.7	470.4	447.2	448.5	449.7	477.1	504.4	527.1	528.1
481.4	70°	468.4	455.4	435.0	414.6	419.0	423.3	442.7	462.2	469.6	469.6
431.4	72.5°	419.6	407.9	391.9	375.8	382.1	388.5	401.8	415.1	415.0	410.3
374.1	75°	363.5	352.9	341.0	329.0	335.1	341.2	351.5	361.7	363.6	341.8
317.2	77.5°	308.0	298.9	289.2	279.5	285.7	291.8	300.0	308.3	309.2	273.4
254.6	80°	246.9	239.3	231.2	223.1	228.3	233.5	240.4	247.3	247.4	204.6
161.1	82.5°	163.8	166.5	167.2	167.8	171.5	175.1	178.5	181.9	179.9	143.3
82.5	85°	89.9	97.4	100.9	104.4	108.4	112.5	116.1	119.7	117.1	89.9
36.8	87.5°	42.5	48.2	48.3	48.5	49.2	50.0	51.5	52.9	49.5	38.2
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):

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
1272.4	2.5°	1283.0	1294.0	1305.1	1316.1	1327.1	1337.4	1347.8
1290.8	5°	1312.2	1335.1	1358.0	1380.7	1403.5	1426.4	1449.2
1308.5	7.5°	1338.4	1372.3	1406.2	1441.0	1475.8	1513.5	1551.2
1324.3	10°	1359.6	1400.8	1442.0	1488.0	1534.0	1581.7	1629.3
1331.1	12.5°	1371.1	1419.6	1468.2	1520.4	1572.5	1624.8	1677.2
1325.9	15°	1372.1	1428.1	1484.0	1540.5	1597.1	1651.7	1706.3
1303.0	17.5°	1358.7	1423.6	1488.5	1550.2	1611.9	1667.3	1722.6
1263.6	20°	1332.6	1411.3	1490.0	1557.8	1625.6	1683.1	1740.7
1217.4	22.5°	1300.5	1396.2	1491.9	1568.0	1644.0	1702.8	1761.6
1165.8	25°	1263.1	1381.3	1499.5	1586.4	1673.3	1730.9	1788.5
1118.6	27.5°	1227.3	1371.3	1515.3	1615.3	1715.2	1770.1	1825.1
1079.2	30°	1196.1	1366.7	1537.1	1652.6	1768.2	1821.3	1874.3
1045.2	32.5°	1165.8	1360.9	1555.8	1691.7	1827.5	1880.0	1932.5
1011.8	35°	1130.5	1350.0	1569.6	1736.1	1902.6	1952.9	2003.2
972.4	37.5°	1085.0	1331.4	1577.8	1785.9	1994.0	2058.1	2122.3
925.5	40°	1028.7	1305.8	1582.9	1849.1	2115.1	2208.6	2302.1
873.7	42.5°	966.1	1279.3	1592.7	1931.7	2270.8	2405.7	2540.7
818.7	45°	899.7	1254.7	1609.8	2040.5	2471.2	2653.2	2835.2
775.2	47.5°	847.3	1234.4	1621.6	2156.4	2691.2	2947.4	3203.6
746.3	50°	810.7	1212.3	1613.9	2263.9	2913.9	3300.2	3686.4
727.2	52.5°	783.4	1175.0	1566.6	2333.8	3100.9	3670.8	4240.7
713.4	55°	757.3	1113.0	1468.7	2318.4	3168.0	3999.4	4830.7
697.1	57.5°	728.1	1025.7	1323.2	2210.1	3097.0	4232.2	5367.4
672.1	60°	696.5	912.3	1128.1	2008.5	2888.9	4290.4	5691.8
628.6	62.5°	644.8	776.6	908.3	1736.0	2563.6	4045.4	5527.1
585.3	65°	593.0	654.5	716.0	1457.9	2199.9	3698.7	5197.4
523.9	67.5°	519.6	537.1	554.6	1185.5	1816.5	3286.1	4755.7
449.8	70°	430.0	425.1	420.1	933.4	1446.8	2835.9	4225.0
382.3	72.5°	354.2	339.1	324.0	713.6	1103.2	2347.9	3592.6
310.4	75°	278.9	265.3	251.6	517.9	784.3	1788.5	2792.6
242.9	77.5°	212.3	203.0	193.7	351.0	508.2	1251.8	1995.3
178.8	80°	152.9	149.1	145.2	226.1	307.1	806.5	1305.9
124.3	82.5°	105.2	104.5	103.8	139.1	174.5	466.8	759.1
76.0	85°	62.0	62.4	62.8	74.3	86.0	210.0	334.0
32.5	87.5°	26.8	27.2	27.5	30.8	34.1	68.8	103.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)