

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: P946058

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946058  
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-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

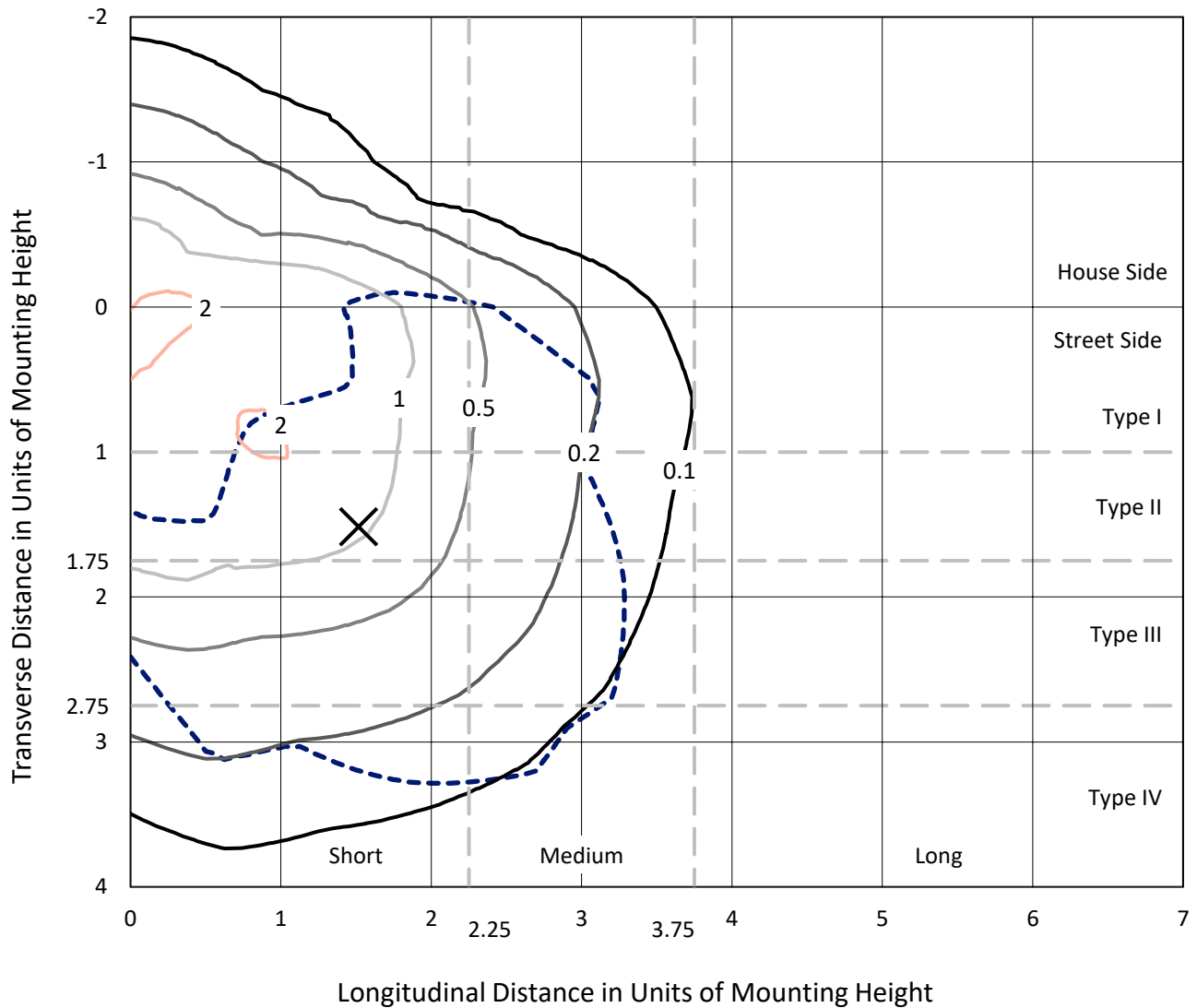
Lumens per Lamp: N/A  
Luminaire Lumens: 8820 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR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

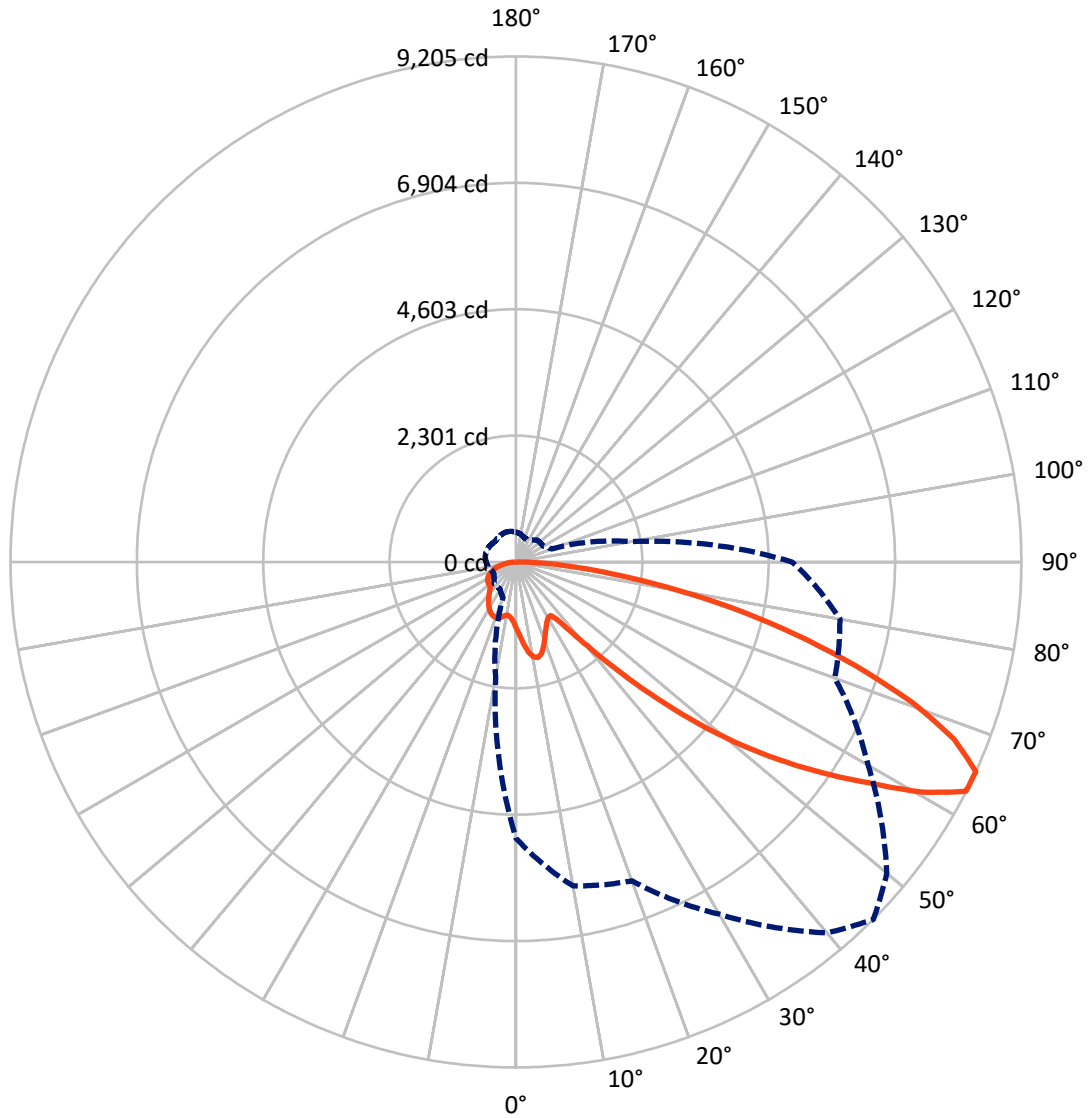
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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
<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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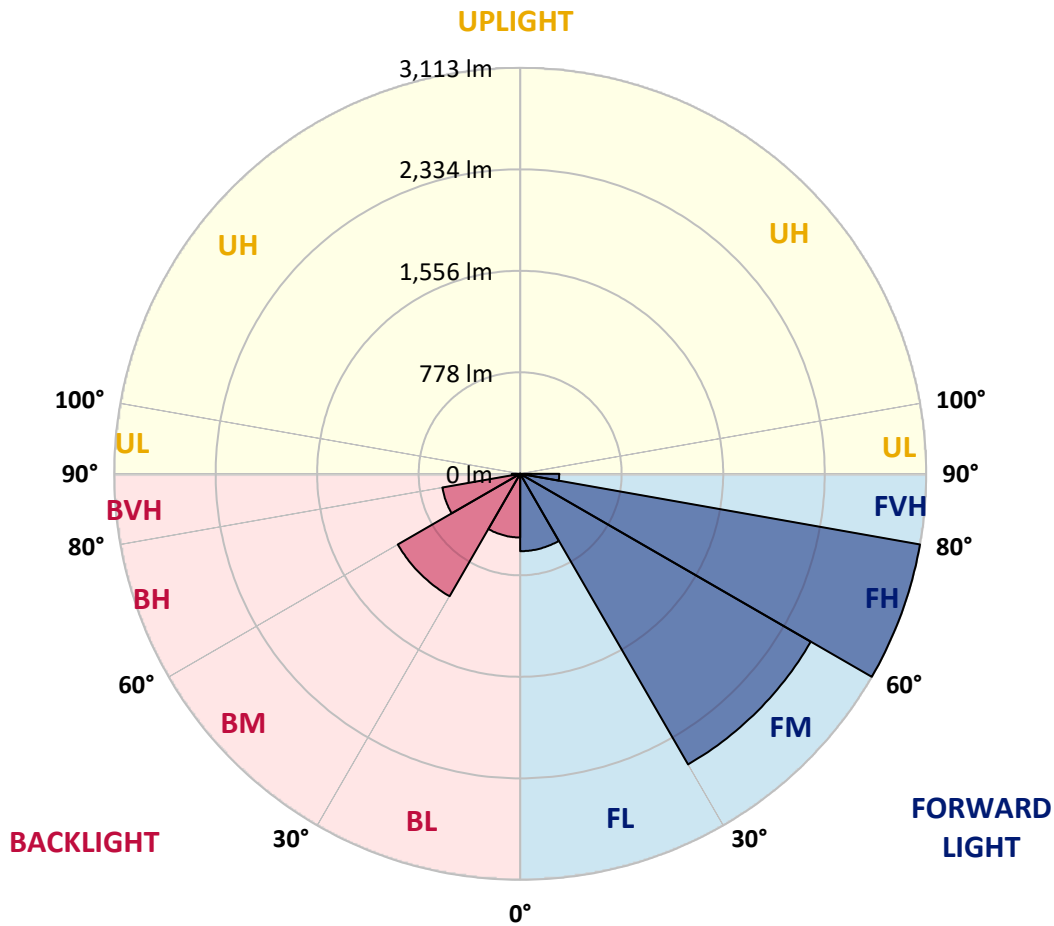
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

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	1309.2	1314.2	1321.2	1328.2	1332.4	1336.6	1338.7	1340.8	1339.9
5°	1402.5	1419.7	1437.1	1454.2	1471.4	1480.7	1490.0	1495.6	1501.3	1505.6
7.5°	1501.1	1529.2	1557.3	1582.6	1607.9	1623.1	1638.3	1646.5	1654.7	1658.7
10°	1576.8	1610.0	1643.2	1672.9	1702.5	1720.5	1738.4	1746.4	1754.3	1757.3
12.5°	1623.1	1659.1	1695.1	1721.9	1748.6	1761.6	1774.7	1779.0	1783.4	1783.9
15°	1651.2	1682.3	1713.4	1730.2	1747.0	1747.5	1747.9	1743.3	1738.6	1733.1
17.5°	1667.1	1688.0	1709.0	1709.4	1709.6	1690.8	1671.9	1654.7	1637.4	1625.2
20°	1684.5	1691.8	1699.2	1677.1	1655.0	1613.3	1571.7	1541.4	1511.1	1492.5
22.5°	1704.8	1695.2	1685.6	1639.8	1594.0	1532.8	1471.6	1433.7	1395.8	1375.2
25°	1730.8	1700.6	1670.3	1600.8	1531.3	1456.9	1382.6	1342.8	1303.0	1283.6
27.5°	1766.2	1712.1	1658.0	1565.9	1473.8	1391.4	1309.1	1269.9	1230.7	1212.4
30°	1813.9	1733.2	1652.6	1539.3	1425.9	1340.1	1254.2	1217.9	1181.6	1164.4
32.5°	1870.2	1759.8	1649.4	1521.1	1392.8	1312.2	1231.5	1203.0	1174.4	1162.1
35°	1938.6	1803.5	1668.4	1534.7	1401.1	1345.0	1289.1	1282.4	1275.7	1274.7
37.5°	2053.8	1894.8	1735.8	1614.4	1492.9	1489.3	1485.6	1516.1	1546.5	1562.3
40°	2227.9	2055.0	1882.1	1791.7	1701.4	1765.2	1828.9	1902.9	1976.9	2013.8
42.5°	2458.7	2287.1	2115.6	2063.6	2011.5	2150.6	2289.7	2424.3	2558.8	2637.9
45°	2743.8	2589.7	2435.5	2412.6	2389.6	2612.4	2835.2	3056.4	3277.6	3411.8
47.5°	3100.2	2950.3	2800.4	2795.7	2791.1	3112.5	3433.8	3757.6	4081.3	4271.4
50°	3567.5	3382.3	3197.2	3198.0	3198.8	3613.0	4027.2	4454.6	4881.9	5140.3
52.5°	4103.9	3879.6	3655.5	3632.8	3610.1	4104.9	4599.6	5128.4	5657.1	5966.9
55°	4674.9	4453.4	4231.9	4143.5	4055.1	4605.8	5156.4	5786.8	6417.1	6785.5
57.5°	5194.3	5073.7	4953.0	4775.7	4598.5	5154.5	5710.5	6424.5	7138.5	7595.3
60°	5508.2	5695.6	5883.0	5662.9	5442.7	5968.9	6495.1	7259.5	8024.0	8517.7
62.5°	5348.8	5860.8	6372.8	6348.0	6323.1	6805.1	7287.2	8014.5	8741.8	9198.1
65°	5029.8	5510.3	5990.8	6085.9	6180.9	6793.5	7406.1	8111.4	8816.6	9205.1
67.5°	4602.3	5059.3	5516.4	5560.9	5605.5	6243.7	6881.9	7590.2	8298.5	8602.9
70°	4088.7	4585.8	5083.0	5102.9	5122.9	5693.6	6264.3	6873.9	7483.4	7652.5
72.5°	3476.8	4047.2	4617.7	4632.0	4646.3	5092.8	5539.4	5995.9	6452.4	6469.5
75°	2702.6	3293.0	3883.4	3936.4	3989.4	4336.8	4684.2	5005.6	5326.9	5240.8
77.5°	1930.9	2482.1	3033.2	3109.1	3184.9	3449.1	3713.2	3941.1	4169.0	4021.0
80°	1263.8	1727.5	2191.1	2285.4	2379.7	2579.1	2778.5	2898.2	3017.9	2779.8
82.5°	734.6	1051.6	1368.6	1474.0	1579.3	1716.6	1853.9	1903.8	1953.7	1766.6
85°	323.2	491.5	659.7	749.3	838.9	951.7	1064.5	1092.8	1121.1	971.3
87.5°	100.1	156.6	213.2	263.1	313.1	369.5	425.9	428.4	430.7	361.6
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
1340.8	2.5°	1338.7	1336.6	1332.4	1328.2	1321.2	1314.2	1309.2	1304.3	1294.3	1284.3
1501.3	5°	1495.6	1490.0	1480.7	1471.4	1454.2	1437.1	1419.7	1402.5	1380.4	1358.3
1654.7	7.5°	1646.5	1638.3	1623.1	1607.9	1582.6	1557.3	1529.2	1501.1	1464.7	1428.2
1754.3	10°	1746.4	1738.4	1720.5	1702.5	1672.9	1643.2	1610.0	1576.8	1530.6	1484.5
1783.4	12.5°	1779.0	1774.7	1761.6	1748.6	1721.9	1695.1	1659.1	1623.1	1572.4	1521.8
1738.6	15°	1743.3	1747.9	1747.5	1747.0	1730.2	1713.4	1682.3	1651.2	1598.4	1545.6
1637.4	17.5°	1654.7	1671.9	1690.8	1709.6	1709.4	1709.0	1688.0	1667.1	1613.5	1559.9
1511.1	20°	1541.4	1571.7	1613.3	1655.0	1677.1	1699.2	1691.8	1684.5	1628.8	1573.1
1395.8	22.5°	1433.7	1471.6	1532.8	1594.0	1639.8	1685.6	1695.2	1704.8	1647.9	1591.0
1303.0	25°	1342.8	1382.6	1456.9	1531.3	1600.8	1670.3	1700.6	1730.8	1675.1	1619.4
1230.7	27.5°	1269.9	1309.1	1391.4	1473.8	1565.9	1658.0	1712.1	1766.2	1713.0	1659.8
1181.6	30°	1217.9	1254.2	1340.1	1425.9	1539.3	1652.6	1733.2	1813.9	1762.5	1711.2
1174.4	32.5°	1203.0	1231.5	1312.2	1392.8	1521.1	1649.4	1759.8	1870.2	1819.3	1768.5
1275.7	35°	1282.4	1289.1	1345.0	1401.1	1534.7	1668.4	1803.5	1938.6	1889.9	1841.2
1546.5	37.5°	1516.1	1485.6	1489.3	1492.9	1614.4	1735.8	1894.8	2053.8	1991.7	1929.6
1976.9	40°	1902.9	1828.9	1765.2	1701.4	1791.7	1882.1	2055.0	2227.9	2137.4	2046.9
2558.8	42.5°	2424.3	2289.7	2150.6	2011.5	2063.6	2115.6	2287.1	2458.7	2328.1	2197.5
3277.6	45°	3056.4	2835.2	2612.4	2389.6	2412.6	2435.5	2589.7	2743.8	2567.6	2391.4
4081.3	47.5°	3757.6	3433.8	3112.5	2791.1	2795.7	2800.4	2950.3	3100.2	2852.3	2604.4
4881.9	50°	4454.6	4027.2	3613.0	3198.8	3198.0	3197.2	3382.3	3567.5	3193.7	2819.9
5657.1	52.5°	5128.4	4599.6	4104.9	3610.1	3632.8	3655.5	3879.6	4103.9	3552.4	3000.9
6417.1	55°	5786.8	5156.4	4605.8	4055.1	4143.5	4231.9	4453.4	4674.9	3870.3	3065.8
7138.5	57.5°	6424.5	5710.5	5154.5	4598.5	4775.7	4953.0	5073.7	5194.3	4095.7	2997.1
8024.0	60°	7259.5	6495.1	5968.9	5442.7	5662.9	5883.0	5695.6	5508.2	4152.0	2795.7
8741.8	62.5°	8014.5	7287.2	6805.1	6323.1	6348.0	6372.8	5860.8	5348.8	3914.9	2480.9
8816.6	65°	8111.4	7406.1	6793.5	6180.9	6085.9	5990.8	5510.3	5029.8	3579.4	2129.0
8298.5	67.5°	7590.2	6881.9	6243.7	5605.5	5560.9	5516.4	5059.3	4602.3	3180.1	1757.9
7483.4	70°	6873.9	6264.3	5693.6	5122.9	5102.9	5083.0	4585.8	4088.7	2744.4	1400.1
6452.4	72.5°	5995.9	5539.4	5092.8	4646.3	4632.0	4617.7	4047.2	3476.8	2272.2	1067.6
5326.9	75°	5005.6	4684.2	4336.8	3989.4	3936.4	3883.4	3293.0	2702.6	1730.8	759.0
4169.0	77.5°	3941.1	3713.2	3449.1	3184.9	3109.1	3033.2	2482.1	1930.9	1211.4	491.8
3017.9	80°	2898.2	2778.5	2579.1	2379.7	2285.4	2191.1	1727.5	1263.8	780.5	297.2
1953.7	82.5°	1903.8	1853.9	1716.6	1579.3	1474.0	1368.6	1051.6	734.6	451.7	168.8
1121.1	85°	1092.8	1064.5	951.7	838.9	749.3	659.7	491.5	323.2	203.2	83.2
430.7	87.5°	428.4	425.9	369.5	313.1	263.1	213.2	156.6	100.1	66.6	33.0
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°
1212.8	0°	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8	1212.8
1273.6	2.5°	1263.0	1252.3	1241.6	1231.3	1221.1	1211.2	1200.2	1191.2	1182.3	1174.3
1336.2	5°	1314.2	1292.0	1269.8	1249.1	1228.4	1208.9	1189.6	1172.7	1155.8	1141.7
1394.5	7.5°	1360.8	1328.0	1295.2	1266.3	1237.4	1210.7	1185.7	1163.3	1140.9	1122.3
1440.0	10°	1395.5	1355.7	1315.8	1281.6	1247.4	1214.5	1187.6	1164.0	1140.3	1121.7
1471.3	12.5°	1420.9	1373.9	1326.8	1288.2	1249.5	1214.9	1189.9	1170.6	1151.3	1138.9
1490.9	15°	1436.1	1382.0	1327.9	1283.1	1238.3	1200.0	1180.0	1170.8	1161.5	1163.2
1500.2	17.5°	1440.5	1377.7	1314.8	1261.0	1207.1	1162.1	1149.8	1153.2	1156.5	1176.8
1507.5	20°	1441.9	1365.8	1289.6	1222.9	1156.1	1103.7	1100.4	1116.3	1132.1	1167.3
1517.4	22.5°	1443.8	1351.1	1258.5	1178.2	1097.8	1038.1	1044.4	1067.9	1091.3	1131.5
1535.3	25°	1451.1	1336.7	1222.4	1128.2	1034.1	972.9	990.1	1017.1	1044.1	1080.3
1563.2	27.5°	1466.5	1327.1	1187.7	1082.6	977.4	921.7	942.7	968.7	994.8	1024.5
1599.3	30°	1487.5	1322.6	1157.5	1044.4	931.3	884.5	900.9	921.6	942.3	967.0
1637.1	32.5°	1505.7	1317.0	1128.2	1011.5	894.7	857.0	864.3	876.6	888.8	908.5
1680.1	35°	1519.0	1306.5	1094.1	979.1	864.2	832.8	829.8	833.2	836.6	851.6
1728.3	37.5°	1526.9	1288.5	1050.0	941.1	832.1	804.7	793.6	789.9	786.1	796.9
1789.4	40°	1531.9	1263.6	995.5	895.7	795.8	770.9	753.9	745.5	737.1	744.9
1869.4	42.5°	1541.3	1238.1	934.9	845.5	756.2	733.2	711.8	700.7	689.5	695.8
1974.7	45°	1557.9	1214.3	870.7	792.3	713.9	690.6	669.9	659.0	648.2	653.5
2086.8	47.5°	1569.3	1194.6	819.9	750.2	680.4	650.4	632.6	623.4	614.3	619.4
2190.9	50°	1561.9	1173.2	784.6	722.2	659.8	620.4	599.7	591.6	583.5	591.3
2258.5	52.5°	1516.0	1137.1	758.1	703.8	649.5	604.1	575.1	567.1	559.2	570.9
2243.6	55°	1421.3	1077.1	732.9	690.4	647.9	605.7	562.1	549.4	536.8	553.5
2138.8	57.5°	1280.5	992.6	704.6	674.6	644.6	607.3	554.3	535.9	517.4	535.4
1943.7	60°	1091.7	882.9	674.0	650.4	626.8	602.2	546.9	523.1	499.1	514.9
1680.0	62.5°	879.0	751.5	624.0	608.3	592.7	589.7	538.4	508.5	478.7	488.7
1410.9	65°	692.9	633.4	573.8	566.4	559.0	559.4	520.3	488.6	456.8	460.7
1147.3	67.5°	536.7	519.8	502.9	507.0	511.1	510.1	488.1	461.7	435.2	434.0
903.3	70°	406.5	411.4	416.2	435.3	454.5	454.5	447.2	428.4	409.6	405.5
690.6	72.5°	313.6	328.2	342.8	369.9	397.1	401.6	401.7	388.8	375.9	369.8
501.2	75°	243.5	256.7	269.9	300.4	330.8	351.8	350.1	340.2	330.2	324.3
339.6	77.5°	187.5	196.4	205.5	235.0	264.6	299.3	298.3	290.4	282.4	276.4
218.8	80°	140.6	144.3	148.0	173.0	198.0	239.4	239.3	232.7	226.0	221.0
134.6	82.5°	100.4	101.1	101.8	120.3	138.7	174.1	176.0	172.8	169.5	166.0
72.0	85°	60.7	60.4	60.0	73.5	87.0	113.3	115.9	112.4	108.9	104.9
29.8	87.5°	26.6	26.3	26.0	31.5	37.0	47.9	51.2	49.8	48.4	47.7
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):**

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
1166.3	2.5°	1159.3	1152.2	1145.2	1138.1	1132.7	1127.2	1122.8	1118.4	1114.9	1111.5
1127.6	5°	1115.1	1102.6	1091.3	1080.0	1071.3	1062.5	1056.4	1050.3	1046.0	1041.7
1103.7	7.5°	1088.0	1072.3	1058.4	1044.6	1034.2	1023.9	1016.6	1009.4	1004.4	999.4
1103.1	10°	1086.2	1069.3	1053.7	1038.1	1025.7	1013.3	1005.2	997.0	992.3	987.6
1126.6	12.5°	1113.3	1100.1	1084.0	1067.9	1052.0	1036.2	1025.7	1015.3	1010.0	1004.8
1164.9	15°	1161.4	1158.0	1144.0	1130.0	1107.5	1084.9	1069.0	1053.1	1045.8	1038.5
1197.1	17.5°	1207.9	1218.6	1207.3	1196.1	1166.2	1136.4	1113.0	1089.5	1078.7	1067.9
1202.6	20°	1225.2	1247.7	1242.5	1237.3	1203.1	1169.1	1140.3	1111.6	1097.8	1083.9
1171.8	22.5°	1201.1	1230.5	1233.7	1236.8	1204.2	1171.6	1142.0	1112.4	1097.8	1083.2
1116.5	25°	1145.4	1174.3	1185.1	1195.8	1169.1	1142.5	1116.1	1089.9	1077.2	1064.6
1054.2	27.5°	1077.4	1100.6	1112.6	1124.6	1105.6	1086.6	1066.2	1045.7	1037.3	1028.8
991.7	30°	1010.9	1030.2	1039.9	1049.7	1035.2	1020.7	1006.1	991.4	987.1	982.7
928.2	32.5°	946.7	965.1	976.0	986.9	973.6	960.2	948.5	936.8	934.0	931.2
866.6	35°	884.8	903.1	916.1	929.2	919.7	910.2	899.4	888.7	884.3	880.1
807.7	37.5°	825.9	844.1	860.2	876.3	872.0	867.6	857.7	847.7	839.9	832.0
752.6	40°	770.2	787.8	806.3	824.9	826.0	827.0	818.6	810.2	798.7	787.4
702.2	42.5°	718.9	735.6	755.6	775.6	780.9	786.3	779.2	772.1	757.9	743.7
658.9	45°	674.7	690.6	711.3	732.1	739.7	747.4	741.0	734.6	718.4	702.2
624.3	47.5°	639.8	655.3	675.8	696.2	705.1	713.9	709.5	705.0	690.6	676.1
599.2	50°	613.8	628.4	646.7	665.1	676.4	687.8	687.5	687.3	675.8	664.2
582.7	52.5°	596.1	609.4	626.5	643.6	657.1	670.5	673.0	675.4	666.0	656.6
570.2	55°	584.6	599.1	614.0	629.0	643.2	657.5	660.9	664.2	656.0	647.8
553.4	57.5°	570.3	587.2	602.0	616.9	631.3	645.6	649.0	652.4	644.1	635.8
530.6	60°	550.1	569.6	584.6	599.7	614.1	628.5	632.2	636.0	627.9	619.8
498.7	62.5°	521.3	544.0	560.1	576.2	589.4	602.6	606.2	609.8	602.5	595.2
464.5	65°	488.8	513.1	528.5	543.8	555.5	567.1	570.8	574.4	567.4	560.3
432.8	67.5°	455.3	477.7	492.3	506.8	516.9	526.9	530.5	534.0	527.6	521.2
401.3	70°	421.0	440.7	453.3	465.9	474.9	484.0	487.5	490.9	485.6	480.4
363.7	72.5°	379.3	394.8	406.1	417.5	426.4	435.2	439.3	443.4	439.1	434.7
318.4	75°	330.0	341.5	351.8	362.1	370.2	378.3	382.6	386.8	384.7	382.6
270.5	77.5°	279.9	289.2	298.1	306.9	315.4	323.9	327.9	331.9	328.9	325.9
215.9	80°	223.8	231.5	239.0	246.4	252.9	259.3	264.6	269.9	268.6	267.4
162.4	82.5°	161.8	161.1	158.5	155.9	169.7	183.5	192.5	201.5	201.0	200.4
101.0	85°	97.6	94.2	87.0	79.8	92.7	105.6	116.8	128.0	127.1	126.1
46.9	87.5°	46.8	46.6	41.1	35.6	41.0	46.4	51.0	55.5	54.4	53.1
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):**

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
1108.3	2.5°	1105.1	1101.1	1105.1	1108.3	1111.5	1114.9	1118.4	1122.8	1127.2	1132.7
1038.3	5°	1035.0	1031.8	1035.0	1038.3	1041.7	1046.0	1050.3	1056.4	1062.5	1071.3
996.5	7.5°	993.5	991.3	993.5	996.5	999.4	1004.4	1009.4	1016.6	1023.9	1034.2
985.1	10°	982.5	981.5	982.5	985.1	987.6	992.3	997.0	1005.2	1013.3	1025.7
1002.7	12.5°	1000.5	1000.1	1000.5	1002.7	1004.8	1010.0	1015.3	1025.7	1036.2	1052.0
1035.7	15°	1032.9	1032.7	1032.9	1035.7	1038.5	1045.8	1053.1	1069.0	1084.9	1107.5
1064.3	17.5°	1060.7	1060.2	1060.7	1064.3	1067.9	1078.7	1089.5	1113.0	1136.4	1166.2
1079.5	20°	1075.1	1073.7	1075.1	1079.5	1083.9	1097.8	1111.6	1140.3	1169.1	1203.1
1078.3	22.5°	1073.4	1071.3	1073.4	1078.3	1083.2	1097.8	1112.4	1142.0	1171.6	1204.2
1060.0	25°	1055.4	1052.7	1055.4	1060.0	1064.6	1077.2	1089.9	1116.1	1142.5	1169.1
1026.7	27.5°	1024.6	1023.9	1024.6	1026.7	1028.8	1037.3	1045.7	1066.2	1086.6	1105.6
982.7	30°	982.7	983.4	982.7	982.7	982.7	987.1	991.4	1006.1	1020.7	1035.2
931.5	32.5°	932.0	932.7	932.0	931.5	931.2	934.0	936.8	948.5	960.2	973.6
879.1	35°	878.2	877.7	878.2	879.1	880.1	884.3	888.7	899.4	910.2	919.7
827.9	37.5°	823.8	821.4	823.8	827.9	832.0	839.9	847.7	857.7	867.6	872.0
779.6	40°	772.0	767.4	772.0	779.6	787.4	798.7	810.2	818.6	827.0	826.0
732.5	42.5°	721.3	713.9	721.3	732.5	743.7	757.9	772.1	779.2	786.3	780.9
689.0	45°	675.9	667.4	675.9	689.0	702.2	718.4	734.6	741.0	747.4	739.7
663.9	47.5°	651.8	643.6	651.8	663.9	676.1	690.6	705.0	709.5	713.9	705.1
653.0	50°	641.7	633.9	641.7	653.0	664.2	675.8	687.3	687.5	687.8	676.4
646.5	52.5°	636.4	629.2	636.4	646.5	656.6	666.0	675.4	673.0	670.5	657.1
639.0	55°	630.1	623.6	630.1	639.0	647.8	656.0	664.2	660.9	657.5	643.2
627.1	57.5°	618.3	611.5	618.3	627.1	635.8	644.1	652.4	649.0	645.6	631.3
610.8	60°	601.8	594.8	601.8	610.8	619.8	627.9	636.0	632.2	628.5	614.1
585.7	62.5°	576.2	567.8	576.2	585.7	595.2	602.5	609.8	606.2	602.6	589.4
551.1	65°	542.0	534.7	542.0	551.1	560.3	567.4	574.4	570.8	567.1	555.5
512.6	67.5°	504.0	497.5	504.0	512.6	521.2	527.6	534.0	530.5	526.9	516.9
472.2	70°	464.0	456.6	464.0	472.2	480.4	485.6	490.9	487.5	484.0	474.9
426.9	72.5°	419.1	411.9	419.1	426.9	434.7	439.1	443.4	439.3	435.2	426.4
376.0	75°	369.4	362.5	369.4	376.0	382.6	384.7	386.8	382.6	378.3	370.2
319.3	77.5°	312.7	307.2	312.7	319.3	325.9	328.9	331.9	327.9	323.9	315.4
258.5	80°	249.5	239.2	249.5	258.5	267.4	268.6	269.9	264.6	259.3	252.9
192.9	82.5°	185.3	178.7	185.3	192.9	200.4	201.0	201.5	192.5	183.5	169.7
120.3	85°	114.4	108.4	114.4	120.3	126.1	127.1	128.0	116.8	105.6	92.7
50.2	87.5°	47.1	44.2	47.1	50.2	53.1	54.4	55.5	51.0	46.4	41.0
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):**

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
1138.1	2.5°	1145.2	1152.2	1159.3	1166.3	1174.3	1182.3	1191.2	1200.2	1211.2	1221.1
1080.0	5°	1091.3	1102.6	1115.1	1127.6	1141.7	1155.8	1172.7	1189.6	1208.9	1228.4
1044.6	7.5°	1058.4	1072.3	1088.0	1103.7	1122.3	1140.9	1163.3	1185.7	1210.7	1237.4
1038.1	10°	1053.7	1069.3	1086.2	1103.1	1121.7	1140.3	1164.0	1187.6	1214.5	1247.4
1067.9	12.5°	1084.0	1100.1	1113.3	1126.6	1138.9	1151.3	1170.6	1189.9	1214.9	1249.5
1130.0	15°	1144.0	1158.0	1161.4	1164.9	1163.2	1161.5	1170.8	1180.0	1200.0	1238.3
1196.1	17.5°	1207.3	1218.6	1207.9	1197.1	1176.8	1156.5	1153.2	1149.8	1162.1	1207.1
1237.3	20°	1242.5	1247.7	1225.2	1202.6	1167.3	1132.1	1116.3	1100.4	1103.7	1156.1
1236.8	22.5°	1233.7	1230.5	1201.1	1171.8	1131.5	1091.3	1067.9	1044.4	1038.1	1097.8
1195.8	25°	1185.1	1174.3	1145.4	1116.5	1080.3	1044.1	1017.1	990.1	972.9	1034.1
1124.6	27.5°	1112.6	1100.6	1077.4	1054.2	1024.5	994.8	968.7	942.7	921.7	977.4
1049.7	30°	1039.9	1030.2	1010.9	991.7	967.0	942.3	921.6	900.9	884.5	931.3
986.9	32.5°	976.0	965.1	946.7	928.2	908.5	888.8	876.6	864.3	857.0	894.7
929.2	35°	916.1	903.1	884.8	866.6	851.6	836.6	833.2	829.8	832.8	864.2
876.3	37.5°	860.2	844.1	825.9	807.7	796.9	786.1	789.9	793.6	804.7	832.1
824.9	40°	806.3	787.8	770.2	752.6	744.9	737.1	745.5	753.9	770.9	795.8
775.6	42.5°	755.6	735.6	718.9	702.2	695.8	689.5	700.7	711.8	733.2	756.2
732.1	45°	711.3	690.6	674.7	658.9	653.5	648.2	659.0	669.9	690.6	713.9
696.2	47.5°	675.8	655.3	639.8	624.3	619.4	614.3	623.4	632.6	650.4	680.4
665.1	50°	646.7	628.4	613.8	599.2	591.3	583.5	591.6	599.7	620.4	659.8
643.6	52.5°	626.5	609.4	596.1	582.7	570.9	559.2	567.1	575.1	604.1	649.5
629.0	55°	614.0	599.1	584.6	570.2	553.5	536.8	549.4	562.1	605.7	647.9
616.9	57.5°	602.0	587.2	570.3	553.4	535.4	517.4	535.9	554.3	607.3	644.6
599.7	60°	584.6	569.6	550.1	530.6	514.9	499.1	523.1	546.9	602.2	626.8
576.2	62.5°	560.1	544.0	521.3	498.7	488.7	478.7	508.5	538.4	589.7	592.7
543.8	65°	528.5	513.1	488.8	464.5	460.7	456.8	488.6	520.3	559.4	559.0
506.8	67.5°	492.3	477.7	455.3	432.8	434.0	435.2	461.7	488.1	510.1	511.1
465.9	70°	453.3	440.7	421.0	401.3	405.5	409.6	428.4	447.2	454.5	454.5
417.5	72.5°	406.1	394.8	379.3	363.7	369.8	375.9	388.8	401.7	401.6	397.1
362.1	75°	351.8	341.5	330.0	318.4	324.3	330.2	340.2	350.1	351.8	330.8
306.9	77.5°	298.1	289.2	279.9	270.5	276.4	282.4	290.4	298.3	299.3	264.6
246.4	80°	239.0	231.5	223.8	215.9	221.0	226.0	232.7	239.3	239.4	198.0
155.9	82.5°	158.5	161.1	161.8	162.4	166.0	169.5	172.8	176.0	174.1	138.7
79.8	85°	87.0	94.2	97.6	101.0	104.9	108.9	112.4	115.9	113.3	87.0
35.6	87.5°	41.1	46.6	46.8	46.9	47.7	48.4	49.8	51.2	47.9	37.0
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):**

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
1231.3	2.5°	1241.6	1252.3	1263.0	1273.6	1284.3	1294.3	1304.3
1249.1	5°	1269.8	1292.0	1314.2	1336.2	1358.3	1380.4	1402.5
1266.3	7.5°	1295.2	1328.0	1360.8	1394.5	1428.2	1464.7	1501.1
1281.6	10°	1315.8	1355.7	1395.5	1440.0	1484.5	1530.6	1576.8
1288.2	12.5°	1326.8	1373.9	1420.9	1471.3	1521.8	1572.4	1623.1
1283.1	15°	1327.9	1382.0	1436.1	1490.9	1545.6	1598.4	1651.2
1261.0	17.5°	1314.8	1377.7	1440.5	1500.2	1559.9	1613.5	1667.1
1222.9	20°	1289.6	1365.8	1441.9	1507.5	1573.1	1628.8	1684.5
1178.2	22.5°	1258.5	1351.1	1443.8	1517.4	1591.0	1647.9	1704.8
1128.2	25°	1222.4	1336.7	1451.1	1535.3	1619.4	1675.1	1730.8
1082.6	27.5°	1187.7	1327.1	1466.5	1563.2	1659.8	1713.0	1766.2
1044.4	30°	1157.5	1322.6	1487.5	1599.3	1711.2	1762.5	1813.9
1011.5	32.5°	1128.2	1317.0	1505.7	1637.1	1768.5	1819.3	1870.2
979.1	35°	1094.1	1306.5	1519.0	1680.1	1841.2	1889.9	1938.6
941.1	37.5°	1050.0	1288.5	1526.9	1728.3	1929.6	1991.7	2053.8
895.7	40°	995.5	1263.6	1531.9	1789.4	2046.9	2137.4	2227.9
845.5	42.5°	934.9	1238.1	1541.3	1869.4	2197.5	2328.1	2458.7
792.3	45°	870.7	1214.3	1557.9	1974.7	2391.4	2567.6	2743.8
750.2	47.5°	819.9	1194.6	1569.3	2086.8	2604.4	2852.3	3100.2
722.2	50°	784.6	1173.2	1561.9	2190.9	2819.9	3193.7	3567.5
703.8	52.5°	758.1	1137.1	1516.0	2258.5	3000.9	3552.4	4103.9
690.4	55°	732.9	1077.1	1421.3	2243.6	3065.8	3870.3	4674.9
674.6	57.5°	704.6	992.6	1280.5	2138.8	2997.1	4095.7	5194.3
650.4	60°	674.0	882.9	1091.7	1943.7	2795.7	4152.0	5508.2
608.3	62.5°	624.0	751.5	879.0	1680.0	2480.9	3914.9	5348.8
566.4	65°	573.8	633.4	692.9	1410.9	2129.0	3579.4	5029.8
507.0	67.5°	502.9	519.8	536.7	1147.3	1757.9	3180.1	4602.3
435.3	70°	416.2	411.4	406.5	903.3	1400.1	2744.4	4088.7
369.9	72.5°	342.8	328.2	313.6	690.6	1067.6	2272.2	3476.8
300.4	75°	269.9	256.7	243.5	501.2	759.0	1730.8	2702.6
235.0	77.5°	205.5	196.4	187.5	339.6	491.8	1211.4	1930.9
173.0	80°	148.0	144.3	140.6	218.8	297.2	780.5	1263.8
120.3	82.5°	101.8	101.1	100.4	134.6	168.8	451.7	734.6
73.5	85°	60.0	60.4	60.7	72.0	83.2	203.2	323.2
31.5	87.5°	26.0	26.3	26.6	29.8	33.0	66.6	100.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)