

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: P946121

Luminaire Tested: **GALN-SB1D-840-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946121
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-840-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9702 lumens
Efficiency: N/A
Efficacy: 121.9 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

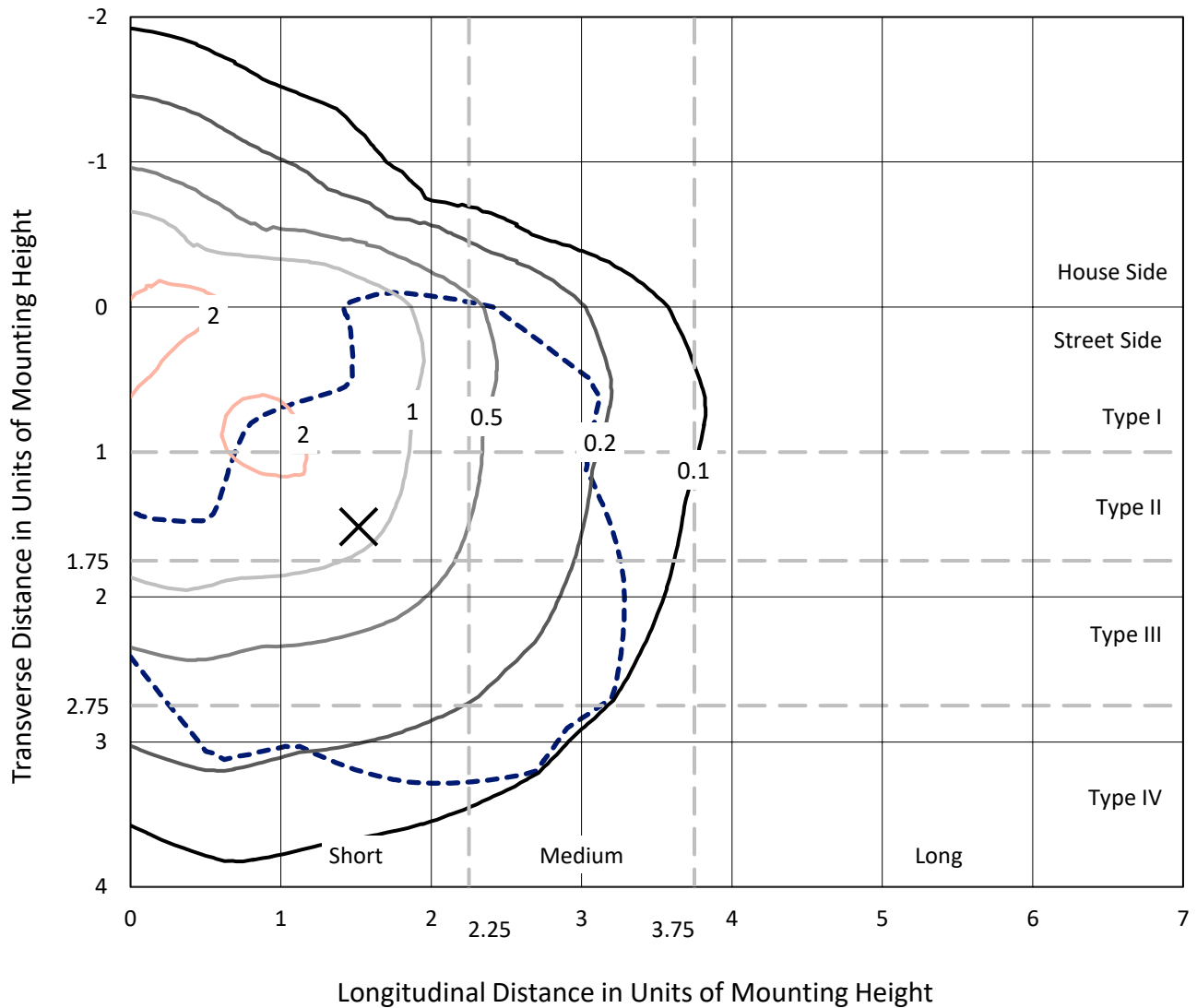
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

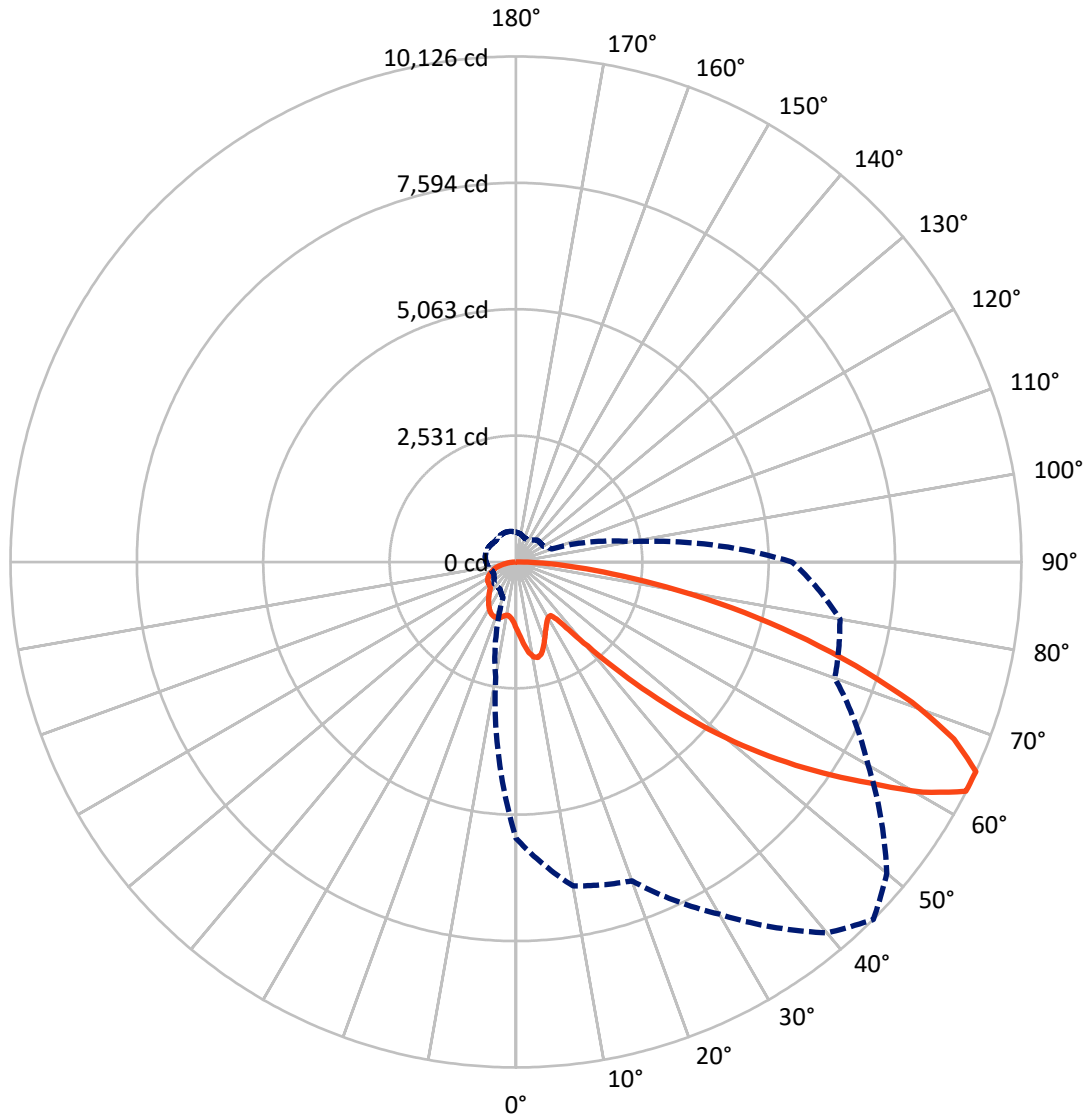
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	2465.8	0.0	2465.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	7236.2	0.0	7236.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	9702.0	0.0	9702.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.3	1.4
10°-20°	415.5	4.3
20°-30°	641.7	6.6
30°-40°	813.2	8.4
40°-50°	1226.6	12.6
50°-60°	1981.7	20.4
60°-70°	2470.5	25.5
70°-80°	1620.0	16.7
80°-90°	400.5	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°	9702.0	100.0
0°-180°	9702.0	100.0



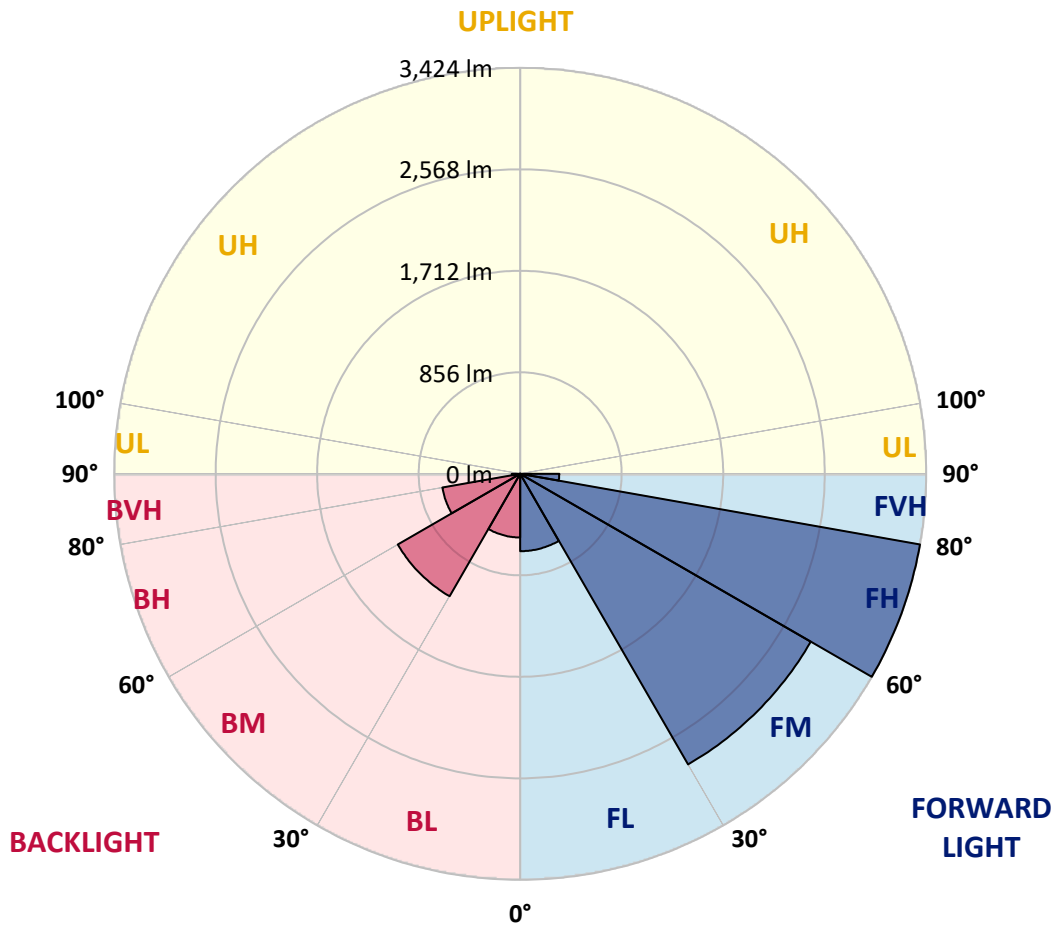
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	652.6	6.7			
FM (30°-60°)	2829.9	29.2			
FH (60°-80°)	3423.9	35.3			G2/5000
FVH (80°-90°)	329.9	3.4			G3/500
BL (0°-30°)	536.9	5.5	B2/1000		
BM (30°-60°)	1191.6	12.3	B2/2500		
BH (60°-80°)	666.6	6.9	B2/1000		G2/1000
BVH (80°-90°)	70.6	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°	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1
2.5°	1434.7	1440.1	1445.6	1453.3	1461.1	1465.7	1470.3	1472.6	1474.9	1473.9
5°	1542.7	1561.7	1580.8	1599.6	1618.5	1628.7	1639.0	1645.2	1651.4	1656.1
7.5°	1651.3	1682.2	1713.0	1740.8	1768.6	1785.4	1802.1	1811.2	1820.2	1824.5
10°	1734.4	1771.0	1807.5	1840.2	1872.8	1892.5	1912.2	1921.0	1929.7	1933.1
12.5°	1785.4	1825.0	1864.6	1894.1	1923.5	1937.8	1952.1	1956.9	1961.7	1962.3
15°	1816.4	1850.6	1884.7	1903.2	1921.7	1922.2	1922.7	1917.6	1912.5	1906.5
17.5°	1833.8	1856.8	1879.9	1880.3	1880.6	1859.9	1839.1	1820.1	1801.1	1787.7
20°	1853.0	1861.0	1869.1	1844.8	1820.4	1774.7	1728.9	1695.6	1662.3	1641.8
22.5°	1875.2	1864.7	1854.1	1803.8	1753.4	1686.1	1618.7	1577.1	1535.4	1512.8
25°	1903.9	1870.6	1837.3	1760.9	1684.4	1602.6	1520.9	1477.0	1433.3	1411.9
27.5°	1942.8	1883.3	1823.8	1722.5	1621.2	1530.6	1440.0	1396.9	1353.8	1333.6
30°	1995.3	1906.6	1817.9	1693.2	1568.5	1474.1	1379.7	1339.7	1299.7	1280.9
32.5°	2057.2	1935.7	1814.3	1673.2	1532.1	1443.4	1354.7	1323.3	1291.9	1278.3
35°	2132.5	1983.8	1835.2	1688.2	1541.2	1479.5	1418.0	1410.6	1403.3	1402.2
37.5°	2259.2	2084.3	1909.4	1775.8	1642.2	1638.2	1634.2	1667.7	1701.2	1718.6
40°	2450.6	2260.5	2070.3	1970.9	1871.5	1941.7	2011.8	2093.2	2174.6	2215.2
42.5°	2704.6	2515.9	2327.2	2269.9	2212.7	2365.7	2518.6	2666.7	2814.7	2901.7
45°	3018.1	2848.6	2679.1	2653.8	2628.5	2873.6	3118.7	3362.0	3605.3	3753.0
47.5°	3410.3	3245.4	3080.4	3075.3	3070.2	3423.7	3777.2	4133.3	4489.4	4698.6
50°	3924.3	3720.6	3516.9	3517.8	3518.6	3974.3	4429.9	4900.0	5370.1	5654.3
52.5°	4514.3	4267.6	4021.0	3996.1	3971.1	4515.3	5059.6	5641.2	6222.9	6563.5
55°	5142.4	4898.7	4655.0	4557.8	4460.6	5066.3	5672.0	6365.4	7058.8	7464.0
57.5°	5713.7	5581.0	5448.3	5253.3	5058.3	5670.0	6281.6	7067.0	7852.4	8354.8
60°	6059.0	6265.1	6471.3	6229.2	5987.0	6565.8	7144.6	7985.5	8826.4	9369.5
62.5°	5883.7	6446.9	7010.1	6982.8	6955.4	7485.6	8015.9	8816.0	9616.0	10117.9
65°	5532.8	6061.3	6589.9	6694.5	6799.0	7472.9	8146.7	8922.5	9698.2	10125.6
67.5°	5062.5	5565.3	6068.0	6117.0	6166.0	6868.1	7570.1	8349.2	9128.4	9463.2
70°	4497.6	5044.4	5591.3	5613.2	5635.1	6263.0	6890.8	7561.3	8231.7	8417.8
72.5°	3824.4	4451.9	5079.4	5095.2	5110.9	5602.1	6093.3	6595.5	7097.6	7116.4
75°	2972.8	3622.3	4271.7	4330.0	4388.3	4770.5	5152.6	5506.1	5859.6	5764.9
77.5°	2124.0	2730.3	3336.6	3420.0	3503.4	3794.0	4084.5	4335.2	4585.9	4423.1
80°	1390.2	1900.2	2410.2	2513.9	2617.6	2837.1	3056.4	3188.0	3319.7	3057.8
82.5°	808.1	1156.8	1505.5	1621.4	1737.3	1888.3	2039.3	2094.2	2149.1	1943.3
85°	355.5	540.6	725.7	824.2	922.8	1046.9	1170.9	1202.1	1233.3	1068.4
87.5°	110.1	172.3	234.5	289.4	344.4	406.5	468.5	471.2	473.8	397.8
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°
1334.1	0°	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1
1474.9	2.5°	1472.6	1470.3	1465.7	1461.1	1453.3	1445.6	1440.1	1434.7	1423.7	1412.7
1651.4	5°	1645.2	1639.0	1628.7	1618.5	1599.6	1580.8	1561.7	1542.7	1518.4	1494.1
1820.2	7.5°	1811.2	1802.1	1785.4	1768.6	1740.8	1713.0	1682.2	1651.3	1611.1	1571.0
1929.7	10°	1921.0	1912.2	1892.5	1872.8	1840.2	1807.5	1771.0	1734.4	1683.7	1633.0
1961.7	12.5°	1956.9	1952.1	1937.8	1923.5	1894.1	1864.6	1825.0	1785.4	1729.6	1673.9
1912.5	15°	1917.6	1922.7	1922.2	1921.7	1903.2	1884.7	1850.6	1816.4	1758.2	1700.1
1801.1	17.5°	1820.1	1839.1	1859.9	1880.6	1880.3	1879.9	1856.8	1833.8	1774.8	1715.9
1662.3	20°	1695.6	1728.9	1774.7	1820.4	1844.8	1869.1	1861.0	1853.0	1791.7	1730.5
1535.4	22.5°	1577.1	1618.7	1686.1	1753.4	1803.8	1854.1	1864.7	1875.2	1812.7	1750.1
1433.3	25°	1477.0	1520.9	1602.6	1684.4	1760.9	1837.3	1870.6	1903.9	1842.6	1781.3
1353.8	27.5°	1396.9	1440.0	1530.6	1621.2	1722.5	1823.8	1883.3	1942.8	1884.3	1825.8
1299.7	30°	1339.7	1379.7	1474.1	1568.5	1693.2	1817.9	1906.6	1995.3	1938.8	1882.3
1291.9	32.5°	1323.3	1354.7	1443.4	1532.1	1673.2	1814.3	1935.7	2057.2	2001.3	1945.4
1403.3	35°	1410.6	1418.0	1479.5	1541.2	1688.2	1835.2	1983.8	2132.5	2078.9	2025.3
1701.2	37.5°	1667.7	1634.2	1638.2	1642.2	1775.8	1909.4	2084.3	2259.2	2190.9	2122.6
2174.6	40°	2093.2	2011.8	1941.7	1871.5	1970.9	2070.3	2260.5	2450.6	2351.1	2251.6
2814.7	42.5°	2666.7	2518.6	2365.7	2212.7	2269.9	2327.2	2515.9	2704.6	2560.9	2417.3
3605.3	45°	3362.0	3118.7	2873.6	2628.5	2653.8	2679.1	2848.6	3018.1	2824.4	2630.6
4489.4	47.5°	4133.3	3777.2	3423.7	3070.2	3075.3	3080.4	3245.4	3410.3	3137.6	2864.8
5370.1	50°	4900.0	4429.9	3974.3	3518.6	3517.8	3516.9	3720.6	3924.3	3513.1	3101.9
6222.9	52.5°	5641.2	5059.6	4515.3	3971.1	3996.1	4021.0	4267.6	4514.3	3907.6	3301.0
7058.8	55°	6365.4	5672.0	5066.3	4460.6	4557.8	4655.0	4898.7	5142.4	4257.4	3372.4
7852.4	57.5°	7067.0	6281.6	5670.0	5058.3	5253.3	5448.3	5581.0	5713.7	4505.3	3296.8
8826.4	60°	7985.5	7144.6	6565.8	5987.0	6229.2	6471.3	6265.1	6059.0	4567.2	3075.3
9616.0	62.5°	8816.0	8015.9	7485.6	6955.4	6982.8	7010.1	6446.9	5883.7	4306.4	2729.0
9698.2	65°	8922.5	8146.7	7472.9	6799.0	6694.5	6589.9	6061.3	5532.8	3937.3	2341.9
9128.4	67.5°	8349.2	7570.1	6868.1	6166.0	6117.0	6068.0	5565.3	5062.5	3498.1	1933.7
8231.7	70°	7561.3	6890.8	6263.0	5635.1	5613.2	5591.3	5044.4	4497.6	3018.9	1540.2
7097.6	72.5°	6595.5	6093.3	5602.1	5110.9	5095.2	5079.4	4451.9	3824.4	2499.4	1174.4
5859.6	75°	5506.1	5152.6	4770.5	4388.3	4330.0	4271.7	3622.3	2972.8	1903.8	834.9
4585.9	77.5°	4335.2	4084.5	3794.0	3503.4	3420.0	3336.6	2730.3	2124.0	1332.5	541.0
3319.7	80°	3188.0	3056.4	2837.1	2617.6	2513.9	2410.2	1900.2	1390.2	858.5	326.9
2149.1	82.5°	2094.2	2039.3	1888.3	1737.3	1621.4	1505.5	1156.8	808.1	496.9	185.7
1233.3	85°	1202.1	1170.9	1046.9	922.8	824.2	725.7	540.6	355.5	223.5	91.5
473.8	87.5°	471.2	468.5	406.5	344.4	289.4	234.5	172.3	110.1	73.2	36.3
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1334.1	0°	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1
1401.0	2.5°	1389.3	1377.5	1365.7	1354.5	1343.2	1332.3	1320.2	1310.4	1300.6	1291.7
1469.8	5°	1445.6	1421.2	1396.8	1374.0	1351.3	1329.8	1308.5	1290.0	1271.4	1255.8
1534.0	7.5°	1496.9	1460.8	1424.7	1392.9	1361.1	1331.8	1304.3	1279.6	1255.0	1234.5
1584.0	10°	1535.0	1491.2	1447.3	1409.8	1372.1	1335.9	1306.4	1280.4	1254.3	1233.9
1618.4	12.5°	1562.9	1511.2	1459.5	1417.0	1374.4	1336.4	1308.9	1287.6	1266.4	1252.8
1639.9	15°	1579.7	1520.2	1460.7	1411.4	1362.2	1320.0	1298.0	1287.8	1277.7	1279.5
1650.2	17.5°	1584.5	1515.4	1446.3	1387.1	1327.9	1278.3	1264.7	1268.5	1272.2	1294.5
1658.3	20°	1586.1	1502.3	1418.6	1345.2	1271.8	1214.1	1210.5	1227.9	1245.3	1284.0
1669.1	22.5°	1588.1	1486.3	1384.4	1296.0	1207.6	1141.9	1148.9	1174.6	1200.4	1244.6
1688.8	25°	1596.2	1470.4	1344.6	1241.0	1137.5	1070.2	1089.1	1118.8	1148.5	1188.3
1719.5	27.5°	1613.1	1459.8	1306.5	1190.8	1075.2	1013.9	1036.9	1065.6	1094.3	1127.0
1759.3	30°	1636.3	1454.8	1273.3	1148.8	1024.4	972.9	991.0	1013.7	1036.6	1063.7
1800.8	32.5°	1656.2	1448.7	1241.0	1112.6	984.2	942.7	950.8	964.2	977.7	999.4
1848.1	35°	1670.9	1437.1	1203.5	1077.1	950.7	916.1	912.8	916.5	920.2	936.7
1901.1	37.5°	1679.6	1417.3	1155.0	1035.2	915.3	885.1	873.0	868.9	864.8	876.6
1968.3	40°	1685.0	1390.0	1095.0	985.2	875.4	848.0	829.3	820.1	810.8	819.4
2056.3	42.5°	1695.4	1361.9	1028.4	930.1	831.8	806.6	783.0	770.7	758.4	765.4
2172.1	45°	1713.7	1335.7	957.7	871.5	785.3	759.7	736.9	725.0	713.0	718.9
2295.5	47.5°	1726.3	1314.1	901.9	825.2	748.5	715.4	695.8	685.8	675.8	681.3
2410.0	50°	1718.1	1290.5	863.0	794.4	725.8	682.4	659.6	650.7	641.9	650.5
2484.3	52.5°	1667.6	1250.8	833.9	774.2	714.4	664.5	632.7	623.8	615.1	628.0
2467.9	55°	1563.5	1184.8	806.2	759.5	712.7	666.3	618.3	604.4	590.5	608.9
2352.7	57.5°	1408.6	1091.9	775.1	742.1	709.0	668.1	609.7	589.4	569.2	588.9
2138.1	60°	1200.9	971.1	741.4	715.4	689.5	662.4	601.6	575.4	549.1	566.4
1848.0	62.5°	966.9	826.7	686.4	669.2	652.0	648.6	592.2	559.3	526.5	537.5
1552.0	65°	762.2	696.7	631.2	623.1	614.9	615.3	572.3	537.4	502.5	506.7
1262.0	67.5°	590.4	571.8	553.1	557.7	562.2	561.1	536.9	507.8	478.8	477.4
993.7	70°	447.2	452.5	457.8	478.9	499.9	499.9	492.0	471.3	450.6	446.0
759.7	72.5°	344.9	361.0	377.0	406.9	436.8	441.8	441.9	427.7	413.5	406.8
551.4	75°	267.8	282.4	296.9	330.4	363.9	387.0	385.1	374.2	363.2	356.8
373.6	77.5°	206.2	216.1	226.0	258.5	291.0	329.2	328.2	319.4	310.6	304.1
240.7	80°	154.6	158.7	162.8	190.3	217.8	263.4	263.2	255.9	248.5	243.1
148.1	82.5°	110.5	111.2	112.0	132.3	152.6	191.5	193.6	190.0	186.4	182.6
79.1	85°	66.8	66.4	66.0	80.9	95.7	124.7	127.5	123.6	119.8	115.4
32.8	87.5°	29.3	28.9	28.6	34.6	40.7	52.7	56.3	54.8	53.2	52.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1334.1	0°	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1
1282.9	2.5°	1275.2	1267.5	1259.7	1251.9	1246.0	1239.9	1235.0	1230.2	1226.4	1222.6
1240.3	5°	1226.6	1212.9	1200.4	1188.0	1178.4	1168.8	1162.0	1155.3	1150.6	1145.8
1214.1	7.5°	1196.8	1179.5	1164.2	1149.0	1137.6	1126.3	1118.3	1110.3	1104.8	1099.4
1213.4	10°	1194.8	1176.2	1159.0	1141.9	1128.3	1114.6	1105.7	1096.7	1091.5	1086.3
1239.3	12.5°	1224.7	1210.1	1192.4	1174.6	1157.2	1139.8	1128.3	1116.8	1111.0	1105.3
1281.4	15°	1277.6	1273.8	1258.4	1243.0	1218.2	1193.4	1175.9	1158.4	1150.4	1142.4
1316.8	17.5°	1328.7	1340.5	1328.1	1315.7	1282.9	1250.0	1224.2	1198.4	1186.6	1174.6
1322.8	20°	1347.7	1372.5	1366.8	1361.0	1323.5	1286.0	1254.3	1222.8	1207.6	1192.3
1289.0	22.5°	1321.3	1353.6	1357.0	1360.5	1324.6	1288.8	1256.2	1223.6	1207.6	1191.5
1228.1	25°	1259.9	1291.7	1303.6	1315.4	1286.0	1256.7	1227.7	1198.9	1184.9	1171.1
1159.6	27.5°	1185.1	1210.6	1223.8	1237.1	1216.2	1195.3	1172.8	1150.3	1141.0	1131.6
1090.8	30°	1112.0	1133.2	1143.9	1154.7	1138.8	1122.8	1106.7	1090.5	1085.8	1081.0
1021.1	32.5°	1041.3	1061.7	1073.6	1085.6	1070.9	1056.2	1043.4	1030.5	1027.4	1024.3
953.2	35°	973.3	993.4	1007.7	1022.1	1011.6	1001.2	989.4	977.5	972.8	968.1
888.5	37.5°	908.5	928.6	946.3	964.0	959.2	954.4	943.4	932.5	923.8	915.2
827.9	40°	847.3	866.6	887.0	907.4	908.6	909.7	900.4	891.2	878.6	866.1
772.4	42.5°	790.7	809.1	831.1	853.1	859.0	864.9	857.1	849.3	833.7	818.1
724.8	45°	742.2	759.6	782.4	805.3	813.7	822.2	815.1	808.1	790.2	772.4
686.8	47.5°	703.8	720.8	743.3	765.9	775.6	785.3	780.4	775.5	759.6	743.7
659.1	50°	675.2	691.2	711.4	731.6	744.0	756.5	756.2	756.0	743.3	730.6
640.9	52.5°	655.7	670.4	689.2	708.0	722.8	737.6	740.3	742.9	732.6	722.2
627.2	55°	643.1	659.0	675.5	691.9	707.5	723.3	727.0	730.6	721.6	712.6
608.7	57.5°	627.3	646.0	662.2	678.6	694.4	710.2	713.9	717.6	708.5	699.4
583.7	60°	605.1	626.5	643.0	659.6	675.5	691.4	695.5	699.6	690.7	681.8
548.5	62.5°	573.5	598.5	616.1	633.8	648.3	662.9	666.8	670.7	662.7	654.7
510.9	65°	537.6	564.4	581.3	598.2	611.0	623.8	627.8	631.8	624.1	616.4
476.1	67.5°	500.8	525.5	541.5	557.5	568.6	579.6	583.6	587.4	580.3	573.3
441.4	70°	463.1	484.8	498.6	512.4	522.4	532.4	536.2	540.0	534.2	528.4
400.1	72.5°	417.2	434.2	446.7	459.2	469.0	478.8	483.3	487.8	483.0	478.1
350.3	75°	363.0	375.7	387.0	398.3	407.2	416.1	420.8	425.5	423.2	420.8
297.5	77.5°	307.9	318.2	327.9	337.6	347.0	356.3	360.7	365.1	361.8	358.5
237.5	80°	246.1	254.7	262.9	271.1	278.2	285.3	291.1	296.9	295.5	294.1
178.7	82.5°	177.9	177.2	174.4	171.5	186.7	201.8	211.7	221.7	221.1	220.4
111.1	85°	107.4	103.7	95.7	87.8	102.0	116.2	128.5	140.8	139.8	138.7
51.6	87.5°	51.4	51.3	45.3	39.2	45.1	51.1	56.1	61.0	59.8	58.5
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1334.1	0°	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1
1219.1	2.5°	1215.6	1211.2	1215.6	1219.1	1222.6	1226.4	1230.2	1235.0	1239.9	1246.0
1142.2	5°	1138.5	1135.0	1138.5	1142.2	1145.8	1150.6	1155.3	1162.0	1168.8	1178.4
1096.1	7.5°	1092.9	1090.4	1092.9	1096.1	1099.4	1104.8	1110.3	1118.3	1126.3	1137.6
1083.6	10°	1080.8	1079.7	1080.8	1083.6	1086.3	1091.5	1096.7	1105.7	1114.6	1128.3
1102.9	12.5°	1100.6	1100.2	1100.6	1102.9	1105.3	1111.0	1116.8	1128.3	1139.8	1157.2
1139.3	15°	1136.2	1136.0	1136.2	1139.3	1142.4	1150.4	1158.4	1175.9	1193.4	1218.2
1170.7	17.5°	1166.8	1166.2	1166.8	1170.7	1174.6	1186.6	1198.4	1224.2	1250.0	1282.9
1187.4	20°	1182.6	1181.0	1182.6	1187.4	1192.3	1207.6	1222.8	1254.3	1286.0	1323.5
1186.2	22.5°	1180.8	1178.5	1180.8	1186.2	1191.5	1207.6	1223.6	1256.2	1288.8	1324.6
1166.0	25°	1161.0	1158.0	1161.0	1166.0	1171.1	1184.9	1198.9	1227.7	1256.7	1286.0
1129.3	27.5°	1127.0	1126.3	1127.0	1129.3	1131.6	1141.0	1150.3	1172.8	1195.3	1216.2
1081.0	30°	1081.0	1081.7	1081.0	1081.0	1081.0	1085.8	1090.5	1106.7	1122.8	1138.8
1024.7	32.5°	1025.2	1025.9	1025.2	1024.7	1024.3	1027.4	1030.5	1043.4	1056.2	1070.9
967.0	35°	966.0	965.5	966.0	967.0	968.1	972.8	977.5	989.4	1001.2	1011.6
910.7	37.5°	906.1	903.6	906.1	910.7	915.2	923.8	932.5	943.4	954.4	959.2
857.6	40°	849.2	844.2	849.2	857.6	866.1	878.6	891.2	900.4	909.7	908.6
805.7	42.5°	793.4	785.3	793.4	805.7	818.1	833.7	849.3	857.1	864.9	859.0
757.9	45°	743.4	734.1	743.4	757.9	772.4	790.2	808.1	815.1	822.2	813.7
730.3	47.5°	717.0	708.0	717.0	730.3	743.7	759.6	775.5	780.4	785.3	775.6
718.2	50°	705.9	697.3	705.9	718.2	730.6	743.3	756.0	756.2	756.5	744.0
711.1	52.5°	700.1	692.1	700.1	711.1	722.2	732.6	742.9	740.3	737.6	722.8
702.9	55°	693.2	686.0	693.2	702.9	712.6	721.6	730.6	727.0	723.3	707.5
689.8	57.5°	680.1	672.7	680.1	689.8	699.4	708.5	717.6	713.9	710.2	694.4
671.9	60°	661.9	654.3	661.9	671.9	681.8	690.7	699.6	695.5	691.4	675.5
644.2	62.5°	633.8	624.6	633.8	644.2	654.7	662.7	670.7	666.8	662.9	648.3
606.2	65°	596.2	588.2	596.2	606.2	616.4	624.1	631.8	627.8	623.8	611.0
563.8	67.5°	554.4	547.3	554.4	563.8	573.3	580.3	587.4	583.6	579.6	568.6
519.4	70°	510.4	502.2	510.4	519.4	528.4	534.2	540.0	536.2	532.4	522.4
469.5	72.5°	461.0	453.1	461.0	469.5	478.1	483.0	487.8	483.3	478.8	469.0
413.6	75°	406.4	398.8	406.4	413.6	420.8	423.2	425.5	420.8	416.1	407.2
351.2	77.5°	343.9	337.9	343.9	351.2	358.5	361.8	365.1	360.7	356.3	347.0
284.3	80°	274.5	263.1	274.5	284.3	294.1	295.5	296.9	291.1	285.3	278.2
212.1	82.5°	203.9	196.6	203.9	212.1	220.4	221.1	221.7	211.7	201.8	186.7
132.3	85°	125.8	119.3	125.8	132.3	138.7	139.8	140.8	128.5	116.2	102.0
55.2	87.5°	51.8	48.6	51.8	55.2	58.5	59.8	61.0	56.1	51.1	45.1
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1334.1	0°	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1
1251.9	2.5°	1259.7	1267.5	1275.2	1282.9	1291.7	1300.6	1310.4	1320.2	1332.3	1343.2
1188.0	5°	1200.4	1212.9	1226.6	1240.3	1255.8	1271.4	1290.0	1308.5	1329.8	1351.3
1149.0	7.5°	1164.2	1179.5	1196.8	1214.1	1234.5	1255.0	1279.6	1304.3	1331.8	1361.1
1141.9	10°	1159.0	1176.2	1194.8	1213.4	1233.9	1254.3	1280.4	1306.4	1335.9	1372.1
1174.6	12.5°	1192.4	1210.1	1224.7	1239.3	1252.8	1266.4	1287.6	1308.9	1336.4	1374.4
1243.0	15°	1258.4	1273.8	1277.6	1281.4	1279.5	1277.7	1287.8	1298.0	1320.0	1362.2
1315.7	17.5°	1328.1	1340.5	1328.7	1316.8	1294.5	1272.2	1268.5	1264.7	1278.3	1327.9
1361.0	20°	1366.8	1372.5	1347.7	1322.8	1284.0	1245.3	1227.9	1210.5	1214.1	1271.8
1360.5	22.5°	1357.0	1353.6	1321.3	1289.0	1244.6	1200.4	1174.6	1148.9	1141.9	1207.6
1315.4	25°	1303.6	1291.7	1259.9	1228.1	1188.3	1148.5	1118.8	1089.1	1070.2	1137.5
1237.1	27.5°	1223.8	1210.6	1185.1	1159.6	1127.0	1094.3	1065.6	1036.9	1013.9	1075.2
1154.7	30°	1143.9	1133.2	1112.0	1090.8	1063.7	1036.6	1013.7	991.0	972.9	1024.4
1085.6	32.5°	1073.6	1061.7	1041.3	1021.1	999.4	977.7	964.2	950.8	942.7	984.2
1022.1	35°	1007.7	993.4	973.3	953.2	936.7	920.2	916.5	912.8	916.1	950.7
964.0	37.5°	946.3	928.6	908.5	888.5	876.6	864.8	868.9	873.0	885.1	915.3
907.4	40°	887.0	866.6	847.3	827.9	819.4	810.8	820.1	829.3	848.0	875.4
853.1	42.5°	831.1	809.1	790.7	772.4	765.4	758.4	770.7	783.0	806.6	831.8
805.3	45°	782.4	759.6	742.2	724.8	718.9	713.0	725.0	736.9	759.7	785.3
765.9	47.5°	743.3	720.8	703.8	686.8	681.3	675.8	685.8	695.8	715.4	748.5
731.6	50°	711.4	691.2	675.2	659.1	650.5	641.9	650.7	659.6	682.4	725.8
708.0	52.5°	689.2	670.4	655.7	640.9	628.0	615.1	623.8	632.7	664.5	714.4
691.9	55°	675.5	659.0	643.1	627.2	608.9	590.5	604.4	618.3	666.3	712.7
678.6	57.5°	662.2	646.0	627.3	608.7	588.9	569.2	589.4	609.7	668.1	709.0
659.6	60°	643.0	626.5	605.1	583.7	566.4	549.1	575.4	601.6	662.4	689.5
633.8	62.5°	616.1	598.5	573.5	548.5	537.5	526.5	559.3	592.2	648.6	652.0
598.2	65°	581.3	564.4	537.6	510.9	506.7	502.5	537.4	572.3	615.3	614.9
557.5	67.5°	541.5	525.5	500.8	476.1	477.4	478.8	507.8	536.9	561.1	562.2
512.4	70°	498.6	484.8	463.1	441.4	446.0	450.6	471.3	492.0	499.9	499.9
459.2	72.5°	446.7	434.2	417.2	400.1	406.8	413.5	427.7	441.9	441.8	436.8
398.3	75°	387.0	375.7	363.0	350.3	356.8	363.2	374.2	385.1	387.0	363.9
337.6	77.5°	327.9	318.2	307.9	297.5	304.1	310.6	319.4	328.2	329.2	291.0
271.1	80°	262.9	254.7	246.1	237.5	243.1	248.5	255.9	263.2	263.4	217.8
171.5	82.5°	174.4	177.2	177.9	178.7	182.6	186.4	190.0	193.6	191.5	152.6
87.8	85°	95.7	103.7	107.4	111.1	115.4	119.8	123.6	127.5	124.7	95.7
39.2	87.5°	45.3	51.3	51.4	51.6	52.4	53.2	54.8	56.3	52.7	40.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
1334.1	0°	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1	1334.1
1354.5	2.5°	1365.7	1377.5	1389.3	1401.0	1412.7	1423.7	1434.7
1374.0	5°	1396.8	1421.2	1445.6	1469.8	1494.1	1518.4	1542.7
1392.9	7.5°	1424.7	1460.8	1496.9	1534.0	1571.0	1611.1	1651.3
1409.8	10°	1447.3	1491.2	1535.0	1584.0	1633.0	1683.7	1734.4
1417.0	12.5°	1459.5	1511.2	1562.9	1618.4	1673.9	1729.6	1785.4
1411.4	15°	1460.7	1520.2	1579.7	1639.9	1700.1	1758.2	1816.4
1387.1	17.5°	1446.3	1515.4	1584.5	1650.2	1715.9	1774.8	1833.8
1345.2	20°	1418.6	1502.3	1586.1	1658.3	1730.5	1791.7	1853.0
1296.0	22.5°	1384.4	1486.3	1588.1	1669.1	1750.1	1812.7	1875.2
1241.0	25°	1344.6	1470.4	1596.2	1688.8	1781.3	1842.6	1903.9
1190.8	27.5°	1306.5	1459.8	1613.1	1719.5	1825.8	1884.3	1942.8
1148.8	30°	1273.3	1454.8	1636.3	1759.3	1882.3	1938.8	1995.3
1112.6	32.5°	1241.0	1448.7	1656.2	1800.8	1945.4	2001.3	2057.2
1077.1	35°	1203.5	1437.1	1670.9	1848.1	2025.3	2078.9	2132.5
1035.2	37.5°	1155.0	1417.3	1679.6	1901.1	2122.6	2190.9	2259.2
985.2	40°	1095.0	1390.0	1685.0	1968.3	2251.6	2351.1	2450.6
930.1	42.5°	1028.4	1361.9	1695.4	2056.3	2417.3	2560.9	2704.6
871.5	45°	957.7	1335.7	1713.7	2172.1	2630.6	2824.4	3018.1
825.2	47.5°	901.9	1314.1	1726.3	2295.5	2864.8	3137.6	3410.3
794.4	50°	863.0	1290.5	1718.1	2410.0	3101.9	3513.1	3924.3
774.2	52.5°	833.9	1250.8	1667.6	2484.3	3301.0	3907.6	4514.3
759.5	55°	806.2	1184.8	1563.5	2467.9	3372.4	4257.4	5142.4
742.1	57.5°	775.1	1091.9	1408.6	2352.7	3296.8	4505.3	5713.7
715.4	60°	741.4	971.1	1200.9	2138.1	3075.3	4567.2	6059.0
669.2	62.5°	686.4	826.7	966.9	1848.0	2729.0	4306.4	5883.7
623.1	65°	631.2	696.7	762.2	1552.0	2341.9	3937.3	5532.8
557.7	67.5°	553.1	571.8	590.4	1262.0	1933.7	3498.1	5062.5
478.9	70°	457.8	452.5	447.2	993.7	1540.2	3018.9	4497.6
406.9	72.5°	377.0	361.0	344.9	759.7	1174.4	2499.4	3824.4
330.4	75°	296.9	282.4	267.8	551.4	834.9	1903.8	2972.8
258.5	77.5°	226.0	216.1	206.2	373.6	541.0	1332.5	2124.0
190.3	80°	162.8	158.7	154.6	240.7	326.9	858.5	1390.2
132.3	82.5°	112.0	111.2	110.5	148.1	185.7	496.9	808.1
80.9	85°	66.0	66.4	66.8	79.1	91.5	223.5	355.5
34.6	87.5°	28.6	28.9	29.3	32.8	36.3	73.2	110.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)