Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P947215

Luminaire Tested: **GALN-SB2C-850-U-SLR**

Issue Date: 1/21/2025

Report Generated By 670246001

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-79-08
Report Number:	P947215
	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-SB2C-850-U-SLR
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(2) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14274 lumens
Efficiency:	N/A
Efficacy:	141.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3
Input Watts (W):	100.9
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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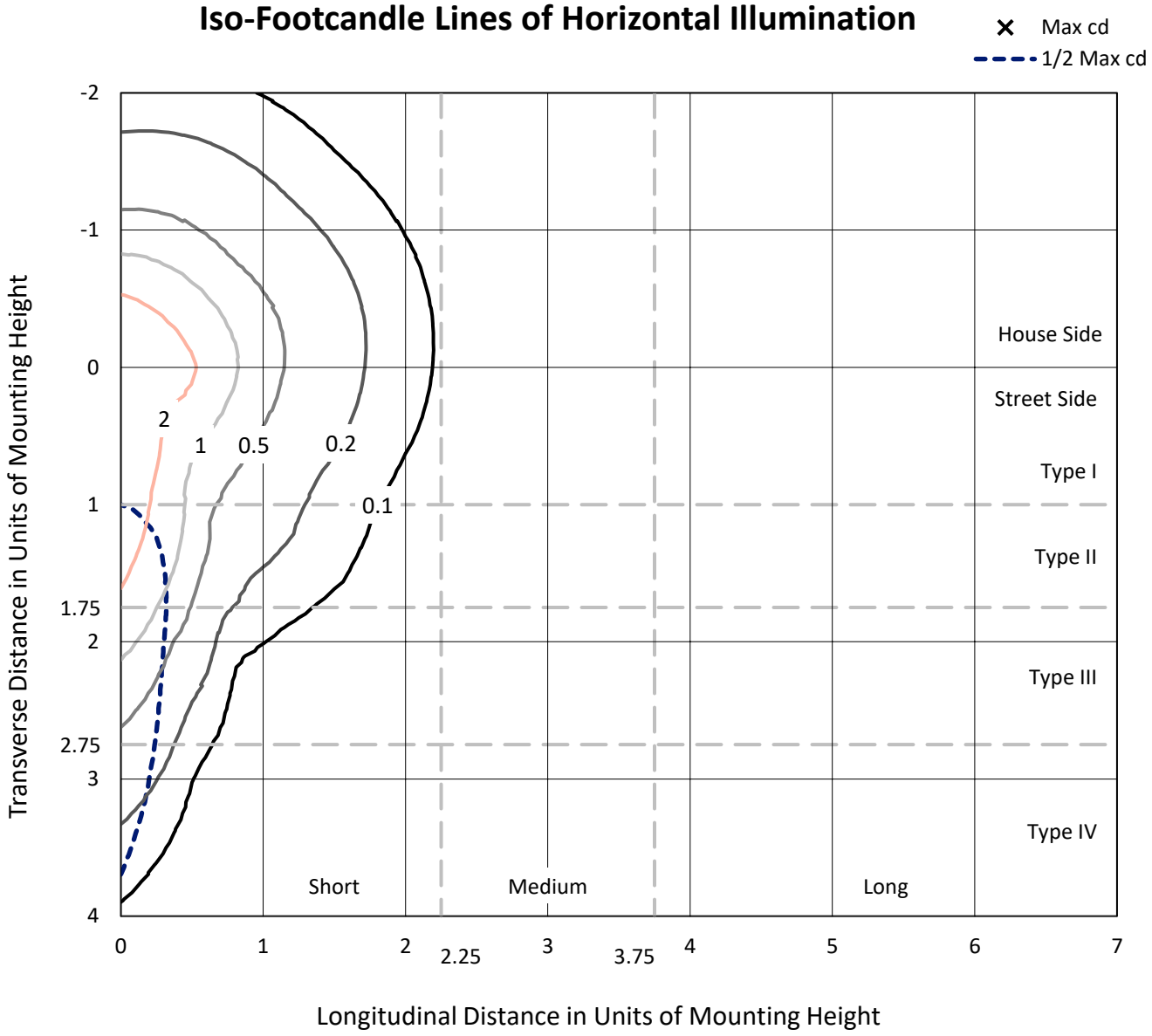
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
Type IV - Short - N/A

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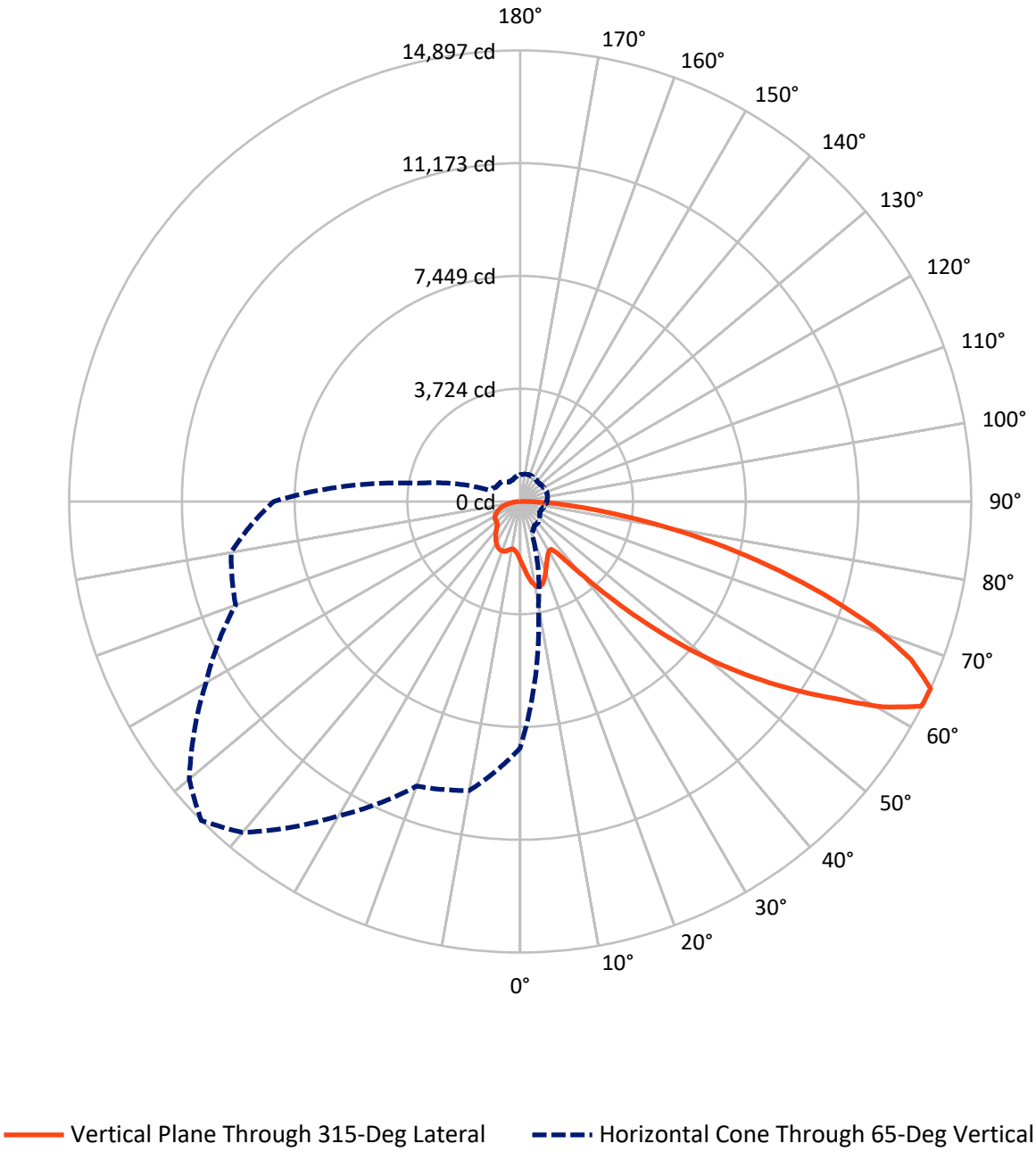
Luminous Intensity Polar Plot



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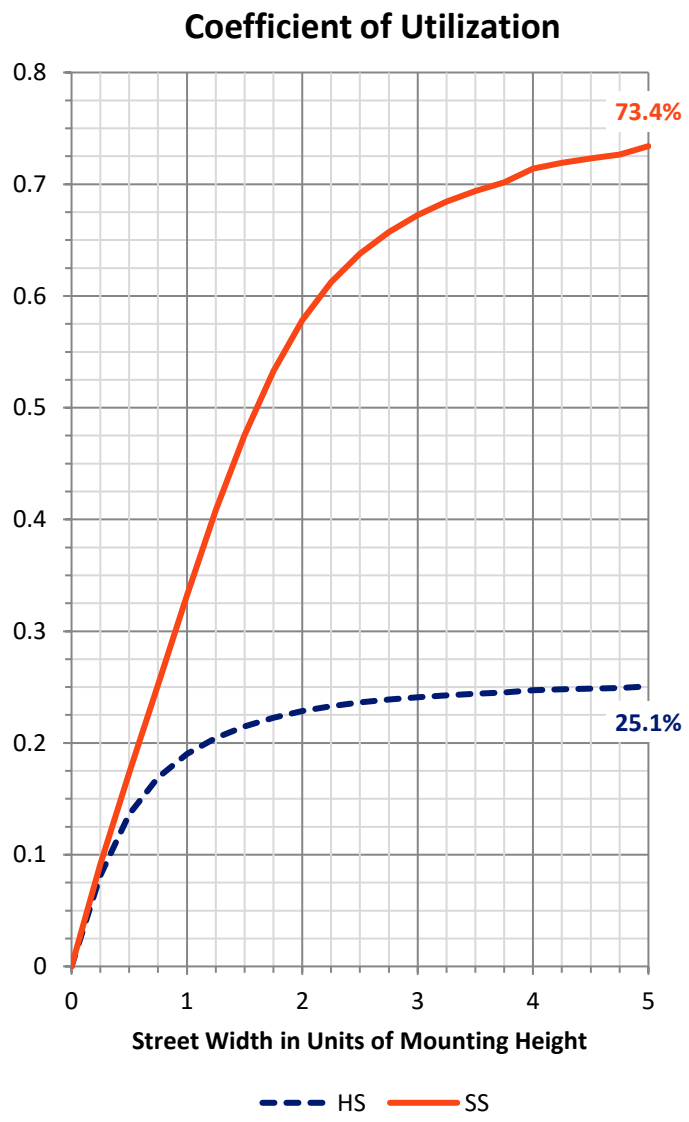
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3627.7	0.0	3627.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	10646.3	0.0	10646.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	14274.0	0.0	14274.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.7	1.4
10°-20°	611.2	4.3
20°-30°	944.1	6.6
30°-40°	1196.5	8.4
40°-50°	1804.6	12.6
50°-60°	2915.5	20.4
60°-70°	3634.7	25.5
70°-80°	2383.4	16.7
80°-90°	589.2	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°	14274.0	100.0
0°-180°	14274.0	100.0



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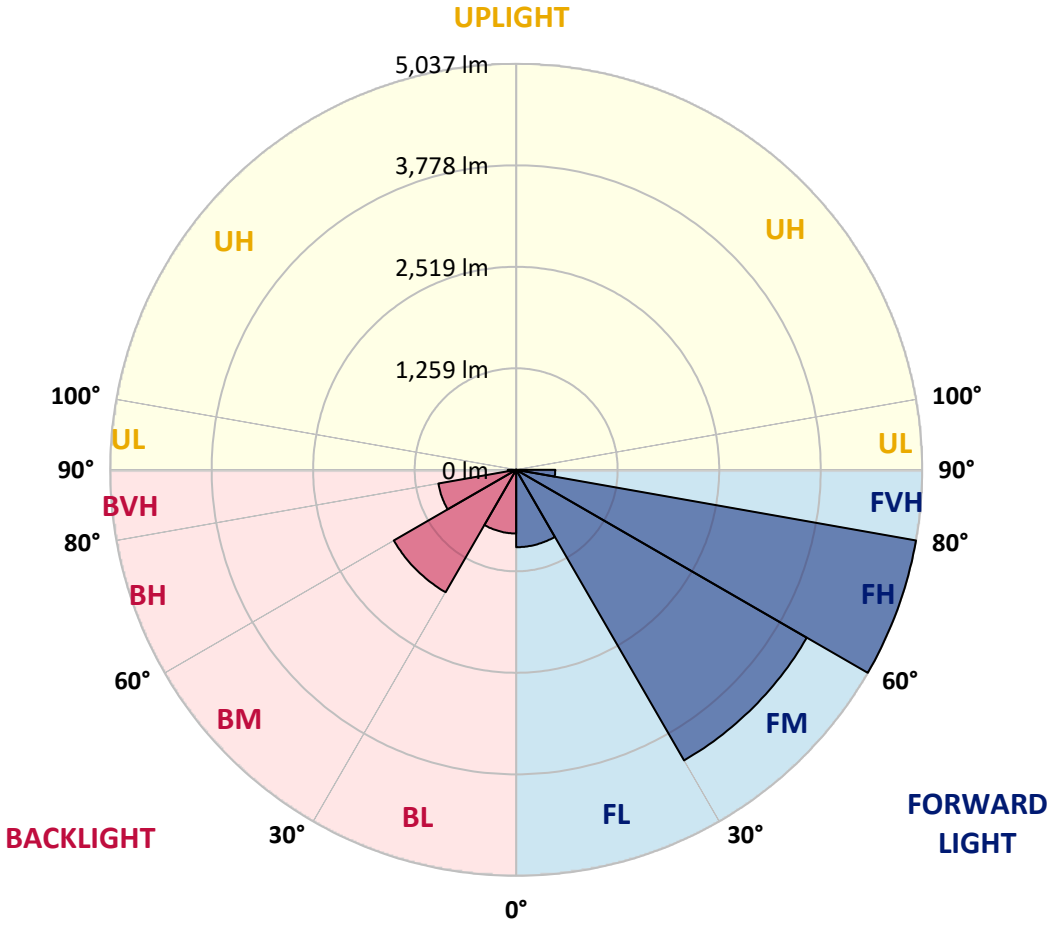
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	960.1	6.7			
FM	(30°-60°)	4163.4	29.2			
FH	(60°-80°)	5037.4	35.3			G3/7500
FVH	(80°-90°)	485.4	3.4			G3/500
BL	(0°-30°)	790.0	5.5	B2/1000		
BM	(30°-60°)	1753.1	12.3	B2/2500		
BH	(60°-80°)	980.8	6.9	B2/1000		G2/1000
BVH	(80°-90°)	103.8	0.7			G2/225
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°	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8
2.5°	2110.8	2094.6	2078.4	2061.2	2044.0	2026.7	2009.3	1992.8	1976.2	1960.2
5°	2269.7	2233.9	2198.2	2162.5	2126.8	2090.9	2055.1	2021.5	1988.0	1956.4
7.5°	2429.4	2370.3	2311.4	2256.8	2202.3	2149.2	2096.1	2049.3	2002.6	1959.4
10°	2551.8	2477.1	2402.5	2330.4	2258.4	2194.0	2129.4	2074.1	2018.7	1965.4
12.5°	2626.7	2544.7	2462.8	2381.1	2299.5	2223.4	2147.3	2084.7	2022.1	1966.2
15°	2672.3	2586.8	2501.3	2412.8	2324.2	2236.6	2149.0	2076.5	2004.1	1942.1
17.5°	2697.9	2611.2	2524.5	2427.9	2331.3	2229.6	2127.9	2040.8	1953.6	1880.7
20°	2726.2	2636.1	2545.9	2439.7	2333.5	2210.3	2087.1	1979.1	1871.1	1786.2
22.5°	2758.9	2666.9	2574.8	2455.7	2336.5	2186.6	2036.8	1906.7	1776.6	1680.0
25°	2801.1	2710.9	2620.7	2484.6	2348.4	2163.3	1978.2	1825.9	1673.6	1574.5
27.5°	2858.3	2772.3	2686.2	2529.8	2373.3	2147.7	1922.1	1752.0	1581.8	1491.7
30°	2935.5	2852.4	2769.3	2588.3	2407.3	2140.4	1873.3	1690.2	1507.1	1431.4
32.5°	3026.7	2944.3	2862.1	2649.4	2436.7	2131.4	1825.9	1637.0	1448.0	1387.0
35°	3137.4	3058.6	2979.7	2719.0	2458.2	2114.3	1770.6	1584.6	1398.7	1347.8
37.5°	3323.8	3223.3	3122.9	2796.9	2471.0	2085.2	1699.3	1523.0	1346.7	1302.3
40°	3605.5	3459.1	3312.7	2895.9	2479.1	2045.0	1611.1	1449.5	1287.9	1247.6
42.5°	3979.1	3767.7	3556.4	3025.4	2494.4	2003.6	1513.0	1368.4	1223.8	1186.6
45°	4440.4	4155.3	3870.2	3195.8	2521.3	1965.1	1409.1	1282.2	1155.4	1117.7
47.5°	5017.3	4616.1	4214.8	3377.3	2539.7	1933.3	1327.0	1214.1	1101.2	1052.6
50°	5773.5	5168.7	4563.7	3545.7	2527.7	1898.7	1269.7	1168.8	1067.9	1004.0
52.5°	6641.6	5749.1	4856.5	3655.1	2453.5	1840.2	1226.9	1139.0	1051.1	977.6
55°	7565.7	6263.6	4961.6	3631.0	2300.2	1743.2	1186.1	1117.3	1048.6	980.3
57.5°	8406.3	6628.3	4850.4	3461.3	2072.4	1606.4	1140.3	1091.7	1043.2	982.9
60°	8914.3	6719.5	4524.5	3145.7	1766.8	1428.8	1090.8	1052.6	1014.4	974.6
62.5°	8656.3	6335.7	4015.1	2718.8	1422.6	1216.2	1009.9	984.5	959.2	954.3
65°	*8140.0*	*5792.7*	*3445.4*	*2283.4*	*1121.3*	*1025.0*	*928.7*	*916.7*	*904.7*	*905.3*
67.5°	7448.2	5146.6	2844.9	1856.7	868.6	841.2	813.8	820.5	827.1	825.5
70°	6617.1	4441.5	2266.0	1461.9	657.9	665.7	673.5	704.5	735.5	735.5
72.5°	5626.7	3677.2	1727.8	1117.6	507.5	531.1	554.7	598.7	642.6	650.0
75°	4373.7	2801.0	1228.3	811.2	394.1	415.5	436.8	486.1	535.4	569.4
77.5°	3125.0	1960.5	796.0	549.7	303.4	317.9	332.5	380.4	428.2	484.3
80°	2045.3	1263.1	480.9	354.1	227.5	233.5	239.5	280.0	320.5	387.5
82.5°	1188.9	731.0	273.3	217.8	162.5	163.6	164.8	194.6	224.4	281.7
85°	523.1	328.8	134.7	116.4	98.3	97.8	97.2	119.0	140.8	183.4
87.5°	161.9	107.7	53.5	48.3	43.1	42.6	42.0	50.9	59.9	77.6
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°
1962.8	0°	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8
1942.3	2.5°	1927.9	1913.5	1900.4	1887.5	1876.1	1864.7	1853.3	1841.9	1833.1	1824.2
1925.1	5°	1897.9	1870.5	1847.6	1824.8	1804.6	1784.4	1766.1	1747.8	1733.7	1719.5
1919.0	7.5°	1882.7	1846.4	1816.3	1786.2	1760.8	1735.3	1712.9	1690.5	1673.7	1657.0
1922.0	10°	1883.7	1845.5	1815.3	1785.2	1757.9	1730.4	1705.2	1680.0	1659.9	1639.8
1925.7	12.5°	1894.4	1863.2	1843.2	1823.3	1801.8	1780.4	1754.2	1728.2	1702.6	1677.0
1909.7	15°	1894.7	1879.8	1882.5	1885.2	1879.6	1874.1	1851.4	1828.7	1792.3	1755.8
1860.7	17.5°	1866.2	1871.7	1904.5	1937.3	1954.8	1972.2	1953.9	1935.7	1887.4	1839.1
1780.9	20°	1806.5	1832.1	1889.1	1946.2	1982.8	2019.3	2010.9	2002.3	1947.1	1892.0
1690.3	22.5°	1728.2	1766.1	1831.1	1896.4	1943.9	1991.4	1996.5	2001.6	1948.9	1896.1
1602.4	25°	1646.1	1689.8	1748.3	1806.9	1853.7	1900.4	1917.9	1935.3	1892.1	1848.9
1525.6	27.5°	1567.8	1609.9	1658.1	1706.1	1743.6	1781.1	1800.6	1820.1	1789.3	1758.5
1458.0	30°	1491.5	1525.0	1565.0	1604.9	1636.0	1667.2	1683.0	1698.8	1675.4	1651.9
1398.8	32.5°	1418.6	1438.4	1470.3	1502.2	1532.1	1562.0	1579.5	1597.1	1575.6	1554.0
1342.9	35°	1348.4	1353.8	1378.2	1402.4	1432.0	1461.6	1482.6	1503.7	1488.4	1473.1
1284.3	37.5°	1278.3	1272.3	1289.8	1307.2	1336.6	1366.1	1392.2	1418.2	1411.2	1404.1
1220.2	40°	1206.5	1192.9	1205.5	1218.0	1246.5	1275.0	1305.0	1335.0	1336.8	1338.4
1152.0	42.5°	1133.9	1115.8	1126.1	1136.4	1163.4	1190.4	1222.8	1255.2	1263.8	1272.5
1084.2	45°	1066.6	1049.0	1057.6	1066.4	1092.0	1117.6	1151.2	1184.8	1197.2	1209.6
1023.7	47.5°	1009.0	994.2	1002.3	1010.4	1035.5	1060.5	1093.6	1126.8	1141.1	1155.4
970.5	50°	957.4	944.3	957.0	969.7	993.4	1016.9	1046.6	1076.3	1094.7	1113.1
930.8	52.5°	917.8	905.0	924.0	943.0	964.7	986.3	1013.9	1041.7	1063.4	1085.2
909.7	55°	889.2	868.8	895.8	922.8	946.1	969.5	993.8	1017.9	1041.0	1064.1
897.0	57.5°	867.2	837.4	866.5	895.5	923.0	950.4	974.3	998.3	1021.6	1044.8
885.1	60°	846.5	807.8	833.3	858.8	890.3	921.7	946.1	970.5	993.8	1017.2
871.3	62.5°	822.9	774.6	790.8	807.0	843.7	880.5	906.5	932.4	953.8	975.2
842.1	65°	*790.7*	*739.3*	*745.5*	*751.7*	*791.0*	*830.4*	*855.2*	*880.1*	*898.9*	*917.8*
789.9	67.5°	747.2	704.4	702.4	700.5	736.8	773.1	796.7	820.2	836.5	852.8
723.8	70°	693.4	663.0	656.2	649.4	681.3	713.3	733.6	753.9	768.6	783.3
650.1	72.5°	629.3	608.4	598.5	588.6	613.8	638.9	657.2	675.6	690.0	704.4
566.5	75°	550.5	534.4	524.9	515.3	534.0	552.7	569.3	586.0	599.1	612.2
482.8	77.5°	469.9	457.0	447.4	437.8	453.0	468.1	482.4	496.7	510.5	524.2
387.3	80°	376.5	365.7	357.6	349.5	362.1	374.7	386.8	398.8	409.3	419.7
284.9	82.5°	279.6	274.3	268.6	262.9	261.8	260.8	256.5	252.3	274.6	296.9
187.5	85°	181.9	176.2	169.8	163.4	158.0	152.5	140.8	129.2	150.0	171.0
82.9	87.5°	80.6	78.3	77.1	75.9	75.7	75.5	66.6	57.6	66.4	75.2
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1962.8	0°	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8
1817.1	2.5°	1809.9	1804.3	1798.8	1793.6	1788.4	1782.0	1788.4	1793.6	1798.8	1804.3
1709.7	5°	1699.8	1692.8	1685.8	1680.4	1675.1	1669.8	1675.1	1680.4	1685.8	1692.8
1645.3	7.5°	1633.5	1625.4	1617.5	1612.6	1607.9	1604.3	1607.9	1612.6	1617.5	1625.4
1626.7	10°	1613.5	1605.9	1598.3	1594.2	1590.1	1588.5	1590.1	1594.2	1598.3	1605.9
1660.0	12.5°	1643.1	1634.6	1626.1	1622.7	1619.2	1618.6	1619.2	1622.7	1626.1	1634.6
1730.1	15°	1704.3	1692.5	1680.7	1676.2	1671.7	1671.3	1671.7	1676.2	1680.7	1692.5
1801.2	17.5°	1763.2	1745.7	1728.2	1722.5	1716.7	1715.8	1716.7	1722.5	1728.2	1745.7
1845.5	20°	1799.0	1776.6	1754.2	1747.0	1739.9	1737.6	1739.9	1747.0	1754.2	1776.6
1848.2	22.5°	1800.3	1776.7	1753.0	1745.1	1737.2	1733.8	1737.2	1745.1	1753.0	1776.7
1806.3	25°	1763.8	1743.3	1722.9	1715.5	1708.1	1703.7	1708.1	1715.5	1722.9	1743.3
1725.5	27.5°	1692.4	1678.7	1664.9	1661.5	1658.1	1657.0	1658.1	1661.5	1664.9	1678.7
1628.2	30°	1604.4	1597.4	1590.3	1590.3	1590.3	1591.5	1590.3	1590.3	1590.3	1597.4
1535.1	32.5°	1516.2	1511.6	1507.0	1507.6	1508.3	1509.4	1508.3	1507.6	1507.0	1511.6
1455.6	35°	1438.2	1431.2	1424.3	1422.8	1421.3	1420.5	1421.3	1422.8	1424.3	1431.2
1388.0	37.5°	1371.9	1359.2	1346.5	1339.8	1333.1	1329.4	1333.1	1339.8	1346.5	1359.2
1324.8	40°	1311.1	1292.6	1274.2	1261.7	1249.4	1242.0	1249.4	1261.7	1274.2	1292.6
1261.0	42.5°	1249.5	1226.6	1203.6	1185.4	1167.3	1155.4	1167.3	1185.4	1203.6	1226.6
1199.2	45°	1188.9	1162.6	1136.4	1115.1	1093.8	1080.1	1093.8	1115.1	1136.4	1162.6
1148.2	47.5°	1140.9	1117.6	1094.2	1074.5	1054.8	1041.7	1054.8	1074.5	1094.2	1117.6
1112.6	50°	1112.3	1093.6	1074.9	1056.7	1038.5	1025.8	1038.5	1056.7	1074.9	1093.6
1089.1	52.5°	1093.0	1077.8	1062.6	1046.2	1030.0	1018.3	1030.0	1046.2	1062.6	1077.8
1069.5	55°	1074.9	1061.7	1048.4	1034.1	1019.8	1009.3	1019.8	1034.1	1048.4	1061.7
1050.3	57.5°	1055.8	1042.4	1029.0	1014.8	1000.6	989.7	1000.6	1014.8	1029.0	1042.4
1023.2	60°	1029.2	1016.1	1003.1	988.5	973.9	962.6	973.9	988.5	1003.1	1016.1
981.0	62.5°	986.8	975.0	963.2	947.8	932.4	918.9	932.4	947.8	963.2	975.0
923.7	65°	*929.6*	*918.2*	*906.8*	*891.9*	*877.1*	*865.4*	*877.1*	*891.9*	*906.8*	*918.2*
858.6	67.5°	864.3	853.8	843.4	829.6	815.7	805.2	815.7	829.6	843.4	853.8
788.9	70°	794.5	785.9	777.4	764.2	750.9	738.9	750.9	764.2	777.4	785.9
711.0	72.5°	717.6	710.6	703.5	690.8	678.2	666.6	678.2	690.8	703.5	710.6
619.1	75°	626.0	622.6	619.1	608.5	597.9	586.7	597.9	608.5	619.1	622.6
530.7	77.5°	537.2	532.4	527.4	516.7	506.0	497.1	506.0	516.7	527.4	532.4
428.3	80°	436.8	434.7	432.7	418.3	403.9	387.1	403.9	418.3	432.7	434.7
311.5	82.5°	326.1	325.2	324.2	312.1	299.9	289.2	299.9	312.1	324.2	325.2
189.0	85°	207.1	205.6	204.1	194.6	185.1	175.5	185.1	194.6	204.1	205.6
82.5	87.5°	89.8	88.0	86.0	81.2	76.2	71.6	76.2	81.2	86.0	88.0
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1962.8	0°	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8
1809.9	2.5°	1817.1	1824.2	1833.1	1841.9	1853.3	1864.7	1876.1	1887.5	1900.4	1913.5
1699.8	5°	1709.7	1719.5	1733.7	1747.8	1766.1	1784.4	1804.6	1824.8	1847.6	1870.5
1633.5	7.5°	1645.3	1657.0	1673.7	1690.5	1712.9	1735.3	1760.8	1786.2	1816.3	1846.4
1613.5	10°	1626.7	1639.8	1659.9	1680.0	1705.2	1730.4	1757.9	1785.2	1815.3	1845.5
1643.1	12.5°	1660.0	1677.0	1702.6	1728.2	1754.2	1780.4	1801.8	1823.3	1843.2	1863.2
1704.3	15°	1730.1	1755.8	1792.3	1828.7	1851.4	1874.1	1879.6	1885.2	1882.5	1879.8
1763.2	17.5°	1801.2	1839.1	1887.4	1935.7	1953.9	1972.2	1954.8	1937.3	1904.5	1871.7
1799.0	20°	1845.5	1892.0	1947.1	2002.3	2010.9	2019.3	1982.8	1946.2	1889.1	1832.1
1800.3	22.5°	1848.2	1896.1	1948.9	2001.6	1996.5	1991.4	1943.9	1896.4	1831.1	1766.1
1763.8	25°	1806.3	1848.9	1892.1	1935.3	1917.9	1900.4	1853.7	1806.9	1748.3	1689.8
1692.4	27.5°	1725.5	1758.5	1789.3	1820.1	1800.6	1781.1	1743.6	1706.1	1658.1	1609.9
1604.4	30°	1628.2	1651.9	1675.4	1698.8	1683.0	1667.2	1636.0	1604.9	1565.0	1525.0
1516.2	32.5°	1535.1	1554.0	1575.6	1597.1	1579.5	1562.0	1532.1	1502.2	1470.3	1438.4
1438.2	35°	1455.6	1473.1	1488.4	1503.7	1482.6	1461.6	1432.0	1402.4	1378.2	1353.8
1371.9	37.5°	1388.0	1404.1	1411.2	1418.2	1392.2	1366.1	1336.6	1307.2	1289.8	1272.3
1311.1	40°	1324.8	1338.4	1336.8	1335.0	1305.0	1275.0	1246.5	1218.0	1205.5	1192.9
1249.5	42.5°	1261.0	1272.5	1263.8	1255.2	1222.8	1190.4	1163.4	1136.4	1126.1	1115.8
1188.9	45°	1199.2	1209.6	1197.2	1184.8	1151.2	1117.6	1092.0	1066.4	1057.6	1049.0
1140.9	47.5°	1148.2	1155.4	1141.1	1126.8	1093.6	1060.5	1035.5	1010.4	1002.3	994.2
1112.3	50°	1112.6	1113.1	1094.7	1076.3	1046.6	1016.9	993.4	969.7	957.0	944.3
1093.0	52.5°	1089.1	1085.2	1063.4	1041.7	1013.9	986.3	964.7	943.0	924.0	905.0
1074.9	55°	1069.5	1064.1	1041.0	1017.9	993.8	969.5	946.1	922.8	895.8	868.8
1055.8	57.5°	1050.3	1044.8	1021.6	998.3	974.3	950.4	923.0	895.5	866.5	837.4
1029.2	60°	1023.2	1017.2	993.8	970.5	946.1	921.7	890.3	858.8	833.3	807.8
986.8	62.5°	981.0	975.2	953.8	932.4	906.5	880.5	843.7	807.0	790.8	774.6
929.6	65°	*923.7*	*917.8*	*898.9*	*880.1*	*855.2*	*830.4*	*791.0*	*751.7*	*745.5*	*739.3*
864.3	67.5°	858.6	852.8	836.5	820.2	796.7	773.1	736.8	700.5	702.4	704.4
794.5	70°	788.9	783.3	768.6	753.9	733.6	713.3	681.3	649.4	656.2	663.0
717.6	72.5°	711.0	704.4	690.0	675.6	657.2	638.9	613.8	588.6	598.5	608.4
626.0	75°	619.1	612.2	599.1	586.0	569.3	552.7	534.0	515.3	524.9	534.4
537.2	77.5°	530.7	524.2	510.5	496.7	482.4	468.1	453.0	437.8	447.4	457.0
436.8	80°	428.3	419.7	409.3	398.8	386.8	374.7	362.1	349.5	357.6	365.7
326.1	82.5°	311.5	296.9	274.6	252.3	256.5	260.8	261.8	262.9	268.6	274.3
207.1	85°	189.0	171.0	150.0	129.2	140.8	152.5	158.0	163.4	169.8	176.2
89.8	87.5°	82.5	75.2	66.4	57.6	66.6	75.5	75.7	75.9	77.1	78.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1962.8	0°	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8
1927.9	2.5°	1942.3	1960.2	1976.2	1992.8	2009.3	2026.7	2044.0	2061.2	2078.4	2094.6
1897.9	5°	1925.1	1956.4	1988.0	2021.5	2055.1	2090.9	2126.8	2162.5	2198.2	2233.9
1882.7	7.5°	1919.0	1959.4	2002.6	2049.3	2096.1	2149.2	2202.3	2256.8	2311.4	2370.3
1883.7	10°	1922.0	1965.4	2018.7	2074.1	2129.4	2194.0	2258.4	2330.4	2402.5	2477.1
1894.4	12.5°	1925.7	1966.2	2022.1	2084.7	2147.3	2223.4	2299.5	2381.1	2462.8	2544.7
1894.7	15°	1909.7	1942.1	2004.1	2076.5	2149.0	2236.6	2324.2	2412.8	2501.3	2586.8
1866.2	17.5°	1860.7	1880.7	1953.6	2040.8	2127.9	2229.6	2331.3	2427.9	2524.5	2611.2
1806.5	20°	1780.9	1786.2	1871.1	1979.1	2087.1	2210.3	2333.5	2439.7	2545.9	2636.1
1728.2	22.5°	1690.3	1680.0	1776.6	1906.7	2036.8	2186.6	2336.5	2455.7	2574.8	2666.9
1646.1	25°	1602.4	1574.5	1673.6	1825.9	1978.2	2163.3	2348.4	2484.6	2620.7	2710.9
1567.8	27.5°	1525.6	1491.7	1581.8	1752.0	1922.1	2147.7	2373.3	2529.8	2686.2	2772.3
1491.5	30°	1458.0	1431.4	1507.1	1690.2	1873.3	2140.4	2407.3	2588.3	2769.3	2852.4
1418.6	32.5°	1398.8	1387.0	1448.0	1637.0	1825.9	2131.4	2436.7	2649.4	2862.1	2944.3
1348.4	35°	1342.9	1347.8	1398.7	1584.6	1770.6	2114.3	2458.2	2719.0	2979.7	3058.6
1278.3	37.5°	1284.3	1302.3	1346.7	1523.0	1699.3	2085.2	2471.0	2796.9	3122.9	3223.3
1206.5	40°	1220.2	1247.6	1287.9	1449.5	1611.1	2045.0	2479.1	2895.9	3312.7	3459.1
1133.9	42.5°	1152.0	1186.6	1223.8	1368.4	1513.0	2003.6	2494.4	3025.4	3556.4	3767.7
1066.6	45°	1084.2	1117.7	1155.4	1282.2	1409.1	1965.1	2521.3	3195.8	3870.2	4155.3
1009.0	47.5°	1023.7	1052.6	1101.2	1214.1	1327.0	1933.3	2539.7	3377.3	4214.8	4616.1
957.4	50°	970.5	1004.0	1067.9	1168.8	1269.7	1898.7	2527.7	3545.7	4563.7	5168.7
917.8	52.5°	930.8	977.6	1051.1	1139.0	1226.9	1840.2	2453.5	3655.1	4856.5	5749.1
889.2	55°	909.7	980.3	1048.6	1117.3	1186.1	1743.2	2300.2	3631.0	4961.6	6263.6
867.2	57.5°	897.0	982.9	1043.2	1091.7	1140.3	1606.4	2072.4	3461.3	4850.4	6628.3
846.5	60°	885.1	974.6	1014.4	1052.6	1090.8	1428.8	1766.8	3145.7	4524.5	6719.5
822.9	62.5°	871.3	954.3	959.2	984.5	1009.9	1216.2	1422.6	2718.8	4015.1	6335.7
790.7	65°	*842.1*	*905.3*	*904.7*	*916.7*	*928.7*	*1025.0*	*1121.3*	*2283.4*	*3445.4*	*5792.7*
747.2	67.5°	789.9	825.5	827.1	820.5	813.8	841.2	868.6	1856.7	2844.9	5146.6
693.4	70°	723.8	735.5	735.5	704.5	673.5	665.7	657.9	1461.9	2266.0	4441.5
629.3	72.5°	650.1	650.0	642.6	598.7	554.7	531.1	507.5	1117.6	1727.8	3677.2
550.5	75°	566.5	569.4	535.4	486.1	436.8	415.5	394.1	811.2	1228.3	2801.0
469.9	77.5°	482.8	484.3	428.2	380.4	332.5	317.9	303.4	549.7	796.0	1960.5
376.5	80°	387.3	387.5	320.5	280.0	239.5	233.5	227.5	354.1	480.9	1263.1
279.6	82.5°	284.9	281.7	224.4	194.6	164.8	163.6	162.5	217.8	273.3	731.0
181.9	85°	187.5	183.4	140.8	119.0	97.2	97.8	98.3	116.4	134.7	328.8
80.6	87.5°	82.9	77.6	59.9	50.9	42.0	42.6	43.1	48.3	53.5	107.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1962.8	0°	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	*1962.8*	1962.8
2110.8	2.5°	2118.8	2126.8	2138.2	2149.6	2156.4	2163.1	2166.5	2169.9	*2168.4*	2169.9
2269.7	5°	2297.7	2325.7	2353.4	2381.2	2396.3	2411.3	2420.4	2429.6	*2436.6*	2429.6
2429.4	7.5°	2474.9	2520.3	2561.2	2602.1	2626.7	2651.4	2664.7	2677.9	*2684.3*	2677.9
2551.8	10°	2605.6	2659.3	2707.3	2755.3	2784.4	2813.3	2826.2	2839.1	*2844.0*	2839.1
2626.7	12.5°	2685.0	2743.2	2786.6	2829.9	2851.0	2872.0	2879.1	2886.2	*2887.0*	2886.2
2672.3	15°	2722.6	2772.8	2800.0	2827.3	2828.1	2828.8	2821.3	2813.7	*2804.9*	2813.7
2697.9	17.5°	2731.9	2765.8	2766.4	2766.8	2736.3	2705.8	2677.9	2649.9	*2630.1*	2649.9
2726.2	20°	2738.0	2749.9	2714.1	2678.3	2611.0	2543.7	2494.6	2445.6	*2415.5*	2445.6
2758.9	22.5°	2743.4	2727.9	2653.8	2579.7	2480.6	2381.6	2320.3	2258.9	*2225.7*	2258.9
2801.1	25°	2752.1	2703.2	2590.7	2478.1	2357.8	2237.6	2173.1	2108.8	*2077.3*	2108.8
2858.3	27.5°	2770.8	2683.2	2534.2	2385.2	2251.9	2118.6	2055.1	1991.8	*1962.0*	1991.8
2935.5	30°	2805.0	2674.6	2491.1	2307.6	2168.7	2029.8	1971.0	1912.2	*1884.5*	1912.2
3026.7	32.5°	2847.9	2669.3	2461.7	2254.1	2123.6	1993.1	1946.9	1900.7	*1880.7*	1900.7
3137.4	35°	2918.7	2700.0	2483.7	2267.5	2176.8	2086.2	2075.4	2064.6	*2063.0*	2064.6
3323.8	37.5°	3066.5	2809.2	2612.6	2416.1	2410.2	2404.3	2453.6	2502.8	*2528.4*	2502.8
3605.5	40°	3325.7	3045.9	2899.7	2753.5	2856.7	2959.9	3079.6	3199.4	*3259.0*	3199.4
3979.1	42.5°	3701.4	3423.8	3339.6	3255.4	3480.5	3705.5	3923.3	4141.2	*4269.0*	4141.2
4440.4	45°	4191.0	3941.6	3904.4	3867.2	4227.8	4588.4	4946.3	5304.3	*5521.6*	5304.3
5017.3	47.5°	4774.7	4532.1	4524.5	4517.0	5037.1	5557.1	6081.1	6605.0	*6912.7*	6605.0
5773.5	50°	5473.8	5174.2	5175.5	5176.8	5847.1	6517.5	7209.1	7900.8	*8318.9*	7900.8
6641.6	52.5°	6278.7	5915.9	5879.2	5842.4	6643.2	7443.9	8299.6	9155.3	*9656.6*	9155.3
7565.7	55°	7207.2	6848.7	6705.7	6562.6	7453.8	8344.9	9365.1	10385.3	*10981.4*	10385.3
8406.3	57.5°	8211.1	8015.8	7728.9	7442.1	8341.9	9241.7	10397.3	11552.7	*12292.0*	11552.7
8914.3	60°	9217.5	9520.9	9164.6	8808.3	9659.9	10511.4	11748.6	12985.8	*13784.8*	12985.8
8656.3	62.5°	9484.9	10313.5	10273.4	10233.1	11013.2	11793.4	12970.4	14147.4	*14885.9*	14147.4
8140.0	65°	*8917.7*	*9695.4*	*9849.2*	*10003.0*	*10994.4*	*11985.8*	*13127.2*	*14268.5*	*14897.2*	*14268.5*
7448.2	67.5°	8187.9	8927.5	8999.6	9071.7	10104.6	11137.5	12283.8	13430.0	*13922.6*	13430.0
6617.1	70°	7421.6	8226.1	8258.4	8290.7	9214.4	10138.0	11124.5	12110.8	*12384.6*	12110.8
5626.7	72.5°	6549.8	7473.1	7496.3	7519.4	8242.1	8964.8	9703.6	10442.3	*10470.0*	10442.3
4373.7	75°	5329.2	6284.7	6370.5	6456.3	7018.5	7580.8	8100.9	8620.9	*8481.6*	8620.9
3125.0	77.5°	4016.9	4908.9	5031.6	5154.4	5581.8	6009.3	6378.1	6747.0	*6507.5*	6747.0
2045.3	80°	2795.7	3546.0	3698.6	3851.2	4174.0	4496.7	4690.4	4884.0	*4498.8*	4884.0
1188.9	82.5°	1701.9	2215.0	2385.4	2555.9	2778.1	3000.3	3081.1	3161.9	*2859.1*	3161.9
523.1	85°	795.4	1067.6	1212.6	1357.6	1540.2	1722.7	1768.6	1814.4	*1571.9*	1814.4
161.9	87.5°	253.4	345.0	425.9	506.7	598.0	689.3	693.2	697.1	*585.2*	697.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
1962.8	0°	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8
2166.5	2.5°	2163.1	2156.4	2149.6	2138.2	2126.8	2118.8	2110.8
2420.4	5°	2411.3	2396.3	2381.2	2353.4	2325.7	2297.7	2269.7
2664.7	7.5°	2651.4	2626.7	2602.1	2561.2	2520.3	2474.9	2429.4
2826.2	10°	2813.3	2784.4	2755.3	2707.3	2659.3	2605.6	2551.8
2879.1	12.5°	2872.0	2851.0	2829.9	2786.6	2743.2	2685.0	2626.7
2821.3	15°	2828.8	2828.1	2827.3	2800.0	2772.8	2722.6	2672.3
2677.9	17.5°	2705.8	2736.3	2766.8	2766.4	2765.8	2731.9	2697.9
2494.6	20°	2543.7	2611.0	2678.3	2714.1	2749.9	2738.0	2726.2
2320.3	22.5°	2381.6	2480.6	2579.7	2653.8	2727.9	2743.4	2758.9
2173.1	25°	2237.6	2357.8	2478.1	2590.7	2703.2	2752.1	2801.1
2055.1	27.5°	2118.6	2251.9	2385.2	2534.2	2683.2	2770.8	2858.3
1971.0	30°	2029.8	2168.7	2307.6	2491.1	2674.6	2805.0	2935.5
1946.9	32.5°	1993.1	2123.6	2254.1	2461.7	2669.3	2847.9	3026.7
2075.4	35°	2086.2	2176.8	2267.5	2483.7	2700.0	2918.7	3137.4
2453.6	37.5°	2404.3	2410.2	2416.1	2612.6	2809.2	3066.5	3323.8
3079.6	40°	2959.9	2856.7	2753.5	2899.7	3045.9	3325.7	3605.5
3923.3	42.5°	3705.5	3480.5	3255.4	3339.6	3423.8	3701.4	3979.1
4946.3	45°	4588.4	4227.8	3867.2	3904.4	3941.6	4191.0	4440.4
6081.1	47.5°	5557.1	5037.1	4517.0	4524.5	4532.1	4774.7	5017.3
7209.1	50°	6517.5	5847.1	5176.8	5175.5	5174.2	5473.8	5773.5
8299.6	52.5°	7443.9	6643.2	5842.4	5879.2	5915.9	6278.7	6641.6
9365.1	55°	8344.9	7453.8	6562.6	6705.7	6848.7	7207.2	7565.7
10397.3	57.5°	9241.7	8341.9	7442.1	7728.9	8015.8	8211.1	8406.3
11748.6	60°	10511.4	9659.9	8808.3	9164.6	9520.9	9217.5	8914.3
12970.4	62.5°	11793.4	11013.2	10233.1	10273.4	10313.5	9484.9	8656.3
13127.2	65°	*11985.8*	*10994.4*	*10003.0*	*9849.2*	*9695.4*	*8917.7*	*8140.0*
12283.8	67.5°	11137.5	10104.6	9071.7	8999.6	8927.5	8187.9	7448.2
11124.5	70°	10138.0	9214.4	8290.7	8258.4	8226.1	7421.6	6617.1
9703.6	72.5°	8964.8	8242.1	7519.4	7496.3	7473.1	6549.8	5626.7
8100.9	75°	7580.8	7018.5	6456.3	6370.5	6284.7	5329.2	4373.7
6378.1	77.5°	6009.3	5581.8	5154.4	5031.6	4908.9	4016.9	3125.0
4690.4	80°	4496.7	4174.0	3851.2	3698.6	3546.0	2795.7	2045.3
3081.1	82.5°	3000.3	2778.1	2555.9	2385.4	2215.0	1701.9	1188.9
1768.6	85°	1722.7	1540.2	1357.6	1212.6	1067.6	795.4	523.1
693.2	87.5°	689.3	598.0	506.7	425.9	345.0	253.4	161.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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