

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: P950869

Luminaire Tested: **GALN-SB5A-940-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950869  
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-SB5A-940-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

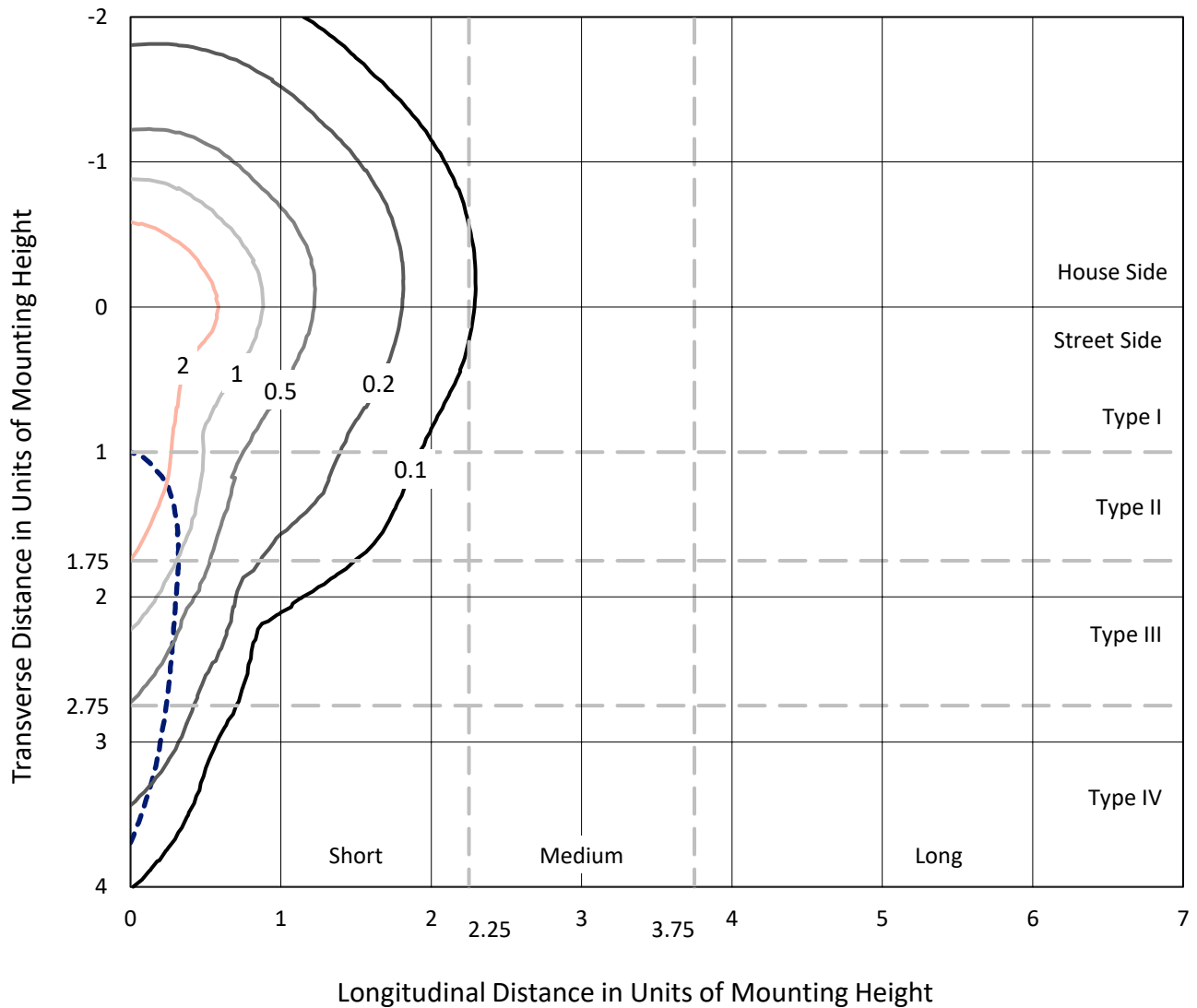
Lumens per Lamp: N/A  
Luminaire Lumens: 16361 lumens  
Efficiency: N/A  
Efficacy: 115.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

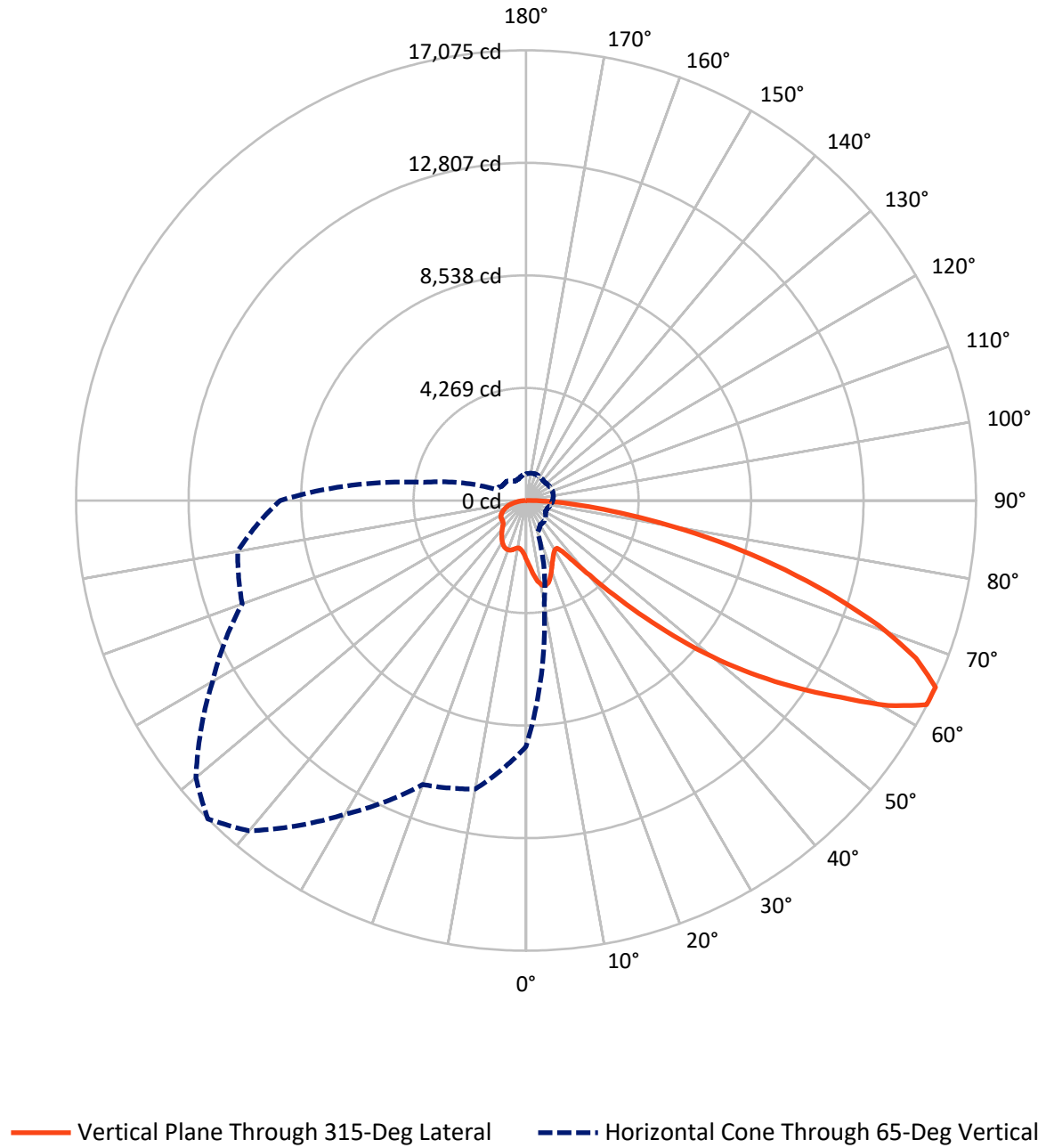
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4158.1	0.0	4158.1
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	12202.9	0.0	12202.9
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	16361.0	0.0	16361.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.2	1.4
10°-20°	700.6	4.3
20°-30°	1082.2	6.6
30°-40°	1371.4	8.4
40°-50°	2068.4	12.6
50°-60°	3341.8	20.4
60°-70°	4166.1	25.5
70°-80°	2731.9	16.7
80°-90°	675.4	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°	16361.0	100.0
0°-180°	16361.0	100.0



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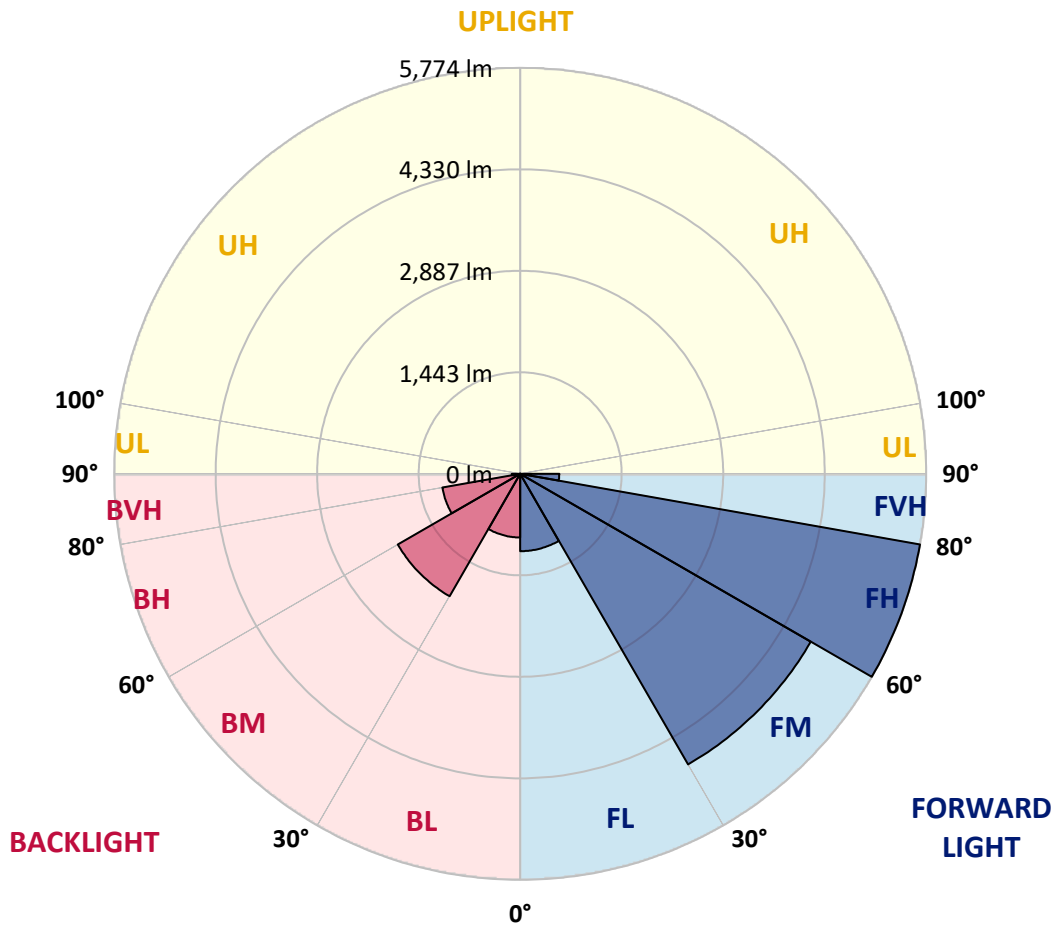
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1100.5	6.7			
FM (30°-60°)	4772.1	29.2			
FH (60°-80°)	5773.9	35.3			G3/7500
FVH (80°-90°)	556.4	3.4			G4/750
BL (0°-30°)	905.5	5.5	B2/1000		
BM (30°-60°)	2009.5	12.3	B2/2500		
BH (60°-80°)	1124.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	119.0	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8
2.5°	2419.4	2400.9	2382.3	2362.5	2342.8	2323.0	2303.1	2284.1	2265.1	2246.8
5°	2601.6	2560.6	2519.6	2478.6	2437.8	2396.6	2355.5	2317.1	2278.7	2242.4
7.5°	2784.6	2716.9	2649.3	2586.8	2524.3	2463.4	2402.6	2349.0	2295.4	2245.9
10°	2924.9	2839.3	2753.8	2671.2	2588.6	2514.7	2440.7	2377.4	2313.8	2252.8
12.5°	3010.8	2916.8	2822.8	2729.3	2635.7	2548.5	2461.3	2389.5	2317.8	2253.7
15°	3063.0	2965.0	2867.0	2765.5	2664.0	2563.6	2463.2	2380.1	2297.1	2226.0
17.5°	3092.4	2993.0	2893.6	2782.9	2672.1	2555.6	2439.0	2339.1	2239.2	2155.7
20°	3124.7	3021.5	2918.2	2796.4	2674.7	2533.5	2392.2	2268.4	2144.6	2047.3
22.5°	3162.3	3056.8	2951.2	2814.7	2678.2	2506.4	2334.6	2185.5	2036.4	1925.6
25°	3210.6	3107.2	3003.9	2847.9	2691.8	2479.6	2267.5	2092.8	1918.3	1804.7
27.5°	3276.3	3177.7	3079.0	2899.7	2720.3	2461.7	2203.2	2008.1	1813.1	1709.8
30°	3364.7	3269.4	3174.2	2966.8	2759.3	2453.3	2147.2	1937.3	1727.5	1640.7
32.5°	3469.2	3374.8	3280.6	3036.8	2793.0	2443.0	2092.8	1876.3	1659.7	1589.8
35°	3596.1	3505.8	3415.4	3116.5	2817.7	2423.5	2029.5	1816.3	1603.2	1544.9
37.5°	3809.8	3694.6	3579.4	3205.9	2832.3	2390.1	1947.8	1745.7	1543.6	1492.7
40°	4132.7	3964.8	3797.0	3319.3	2841.6	2344.1	1846.6	1661.4	1476.3	1430.1
42.5°	4560.9	4318.6	4076.4	3467.7	2859.1	2296.6	1734.2	1568.5	1402.7	1360.1
45°	5089.6	4762.9	4436.1	3663.0	2889.9	2252.5	1615.1	1469.7	1324.3	1281.1
47.5°	5750.9	5291.0	4831.1	3871.1	2911.1	2216.0	1521.0	1391.6	1262.2	1206.5
50°	6617.7	5924.4	5231.0	4064.1	2897.3	2176.3	1455.4	1339.7	1224.0	1150.8
52.5°	7612.6	6589.6	5566.6	4189.5	2812.2	2109.2	1406.3	1305.5	1204.7	1120.6
55°	8671.9	7179.4	5687.0	4161.8	2636.5	1998.0	1359.5	1280.7	1201.9	1123.6
57.5°	9635.4	7597.4	5559.5	3967.4	2375.4	1841.3	1307.0	1251.4	1195.7	1126.6
60°	10217.7	7701.9	5186.1	3605.6	2025.1	1637.7	1250.2	1206.5	1162.7	1117.1
62.5°	9922.0	7262.1	4602.1	3116.4	1630.6	1394.1	1157.5	1128.4	1099.4	1093.8
65°	9330.2	6639.7	3949.2	2617.2	1285.3	1174.9	1064.5	1050.7	1037.0	1037.7
67.5°	8537.2	5899.1	3260.9	2128.2	995.6	964.2	932.8	940.5	948.1	946.2
70°	7584.6	5090.9	2597.3	1675.7	754.1	763.1	772.0	807.5	843.0	843.0
72.5°	6449.3	4214.8	1980.4	1281.1	581.7	608.7	635.8	686.2	736.6	745.0
75°	5013.2	3210.6	1407.9	929.8	451.7	476.2	500.7	557.2	613.6	652.7
77.5°	3581.9	2247.1	912.3	630.0	347.7	364.4	381.2	436.0	490.8	555.1
80°	2344.3	1447.8	551.2	405.9	260.7	267.6	274.5	321.0	367.3	444.2
82.5°	1362.7	837.9	313.2	249.7	186.3	187.5	188.9	223.1	257.3	322.9
85°	599.6	376.9	154.4	133.5	112.7	112.1	111.4	136.4	161.4	210.2
87.5°	185.6	123.5	61.3	55.3	49.4	48.8	48.2	58.4	68.6	88.9
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°
2249.8	0°	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8
2226.3	2.5°	2209.7	2193.2	2178.3	2163.4	2150.4	2137.4	2124.3	2111.2	2101.1	2090.9
2206.6	5°	2175.4	2144.0	2117.8	2091.6	2068.5	2045.3	2024.4	2003.3	1987.2	1970.9
2199.5	7.5°	2157.9	2116.4	2081.9	2047.3	2018.2	1989.1	1963.3	1937.7	1918.4	1899.3
2203.0	10°	2159.1	2115.3	2080.7	2046.2	2014.9	1983.4	1954.5	1925.6	1902.6	1879.6
2207.3	12.5°	2171.4	2135.6	2112.7	2089.9	2065.2	2040.7	2010.7	1980.9	1951.5	1922.2
2188.9	15°	2171.7	2154.6	2157.7	2160.9	2154.5	2148.1	2122.1	2096.1	2054.3	2012.5
2132.8	17.5°	2139.1	2145.3	2183.0	2220.6	2240.6	2260.6	2239.6	2218.7	2163.4	2108.0
2041.3	20°	2070.6	2100.0	2165.3	2230.8	2272.7	2314.5	2304.9	2295.1	2231.8	2168.6
1937.4	22.5°	1980.9	2024.3	2098.9	2173.6	2228.1	2282.6	2288.5	2294.2	2233.8	2173.4
1836.7	25°	1886.8	1936.8	2003.9	2071.1	2124.7	2178.3	2198.3	2218.3	2168.7	2119.2
1748.6	27.5°	1797.0	1845.3	1900.5	1955.6	1998.6	2041.5	2063.8	2086.2	2050.9	2015.6
1671.2	30°	1709.5	1748.0	1793.8	1839.5	1875.2	1910.9	1929.1	1947.2	1920.3	1893.4
1603.3	32.5°	1626.0	1648.7	1685.3	1721.9	1756.1	1790.3	1810.4	1830.6	1806.0	1781.2
1539.3	35°	1545.5	1551.8	1579.7	1607.5	1641.3	1675.2	1699.4	1723.6	1706.0	1688.5
1472.1	37.5°	1465.2	1458.3	1478.3	1498.3	1532.0	1565.9	1595.7	1625.6	1617.5	1609.4
1398.6	40°	1382.9	1367.3	1381.7	1396.1	1428.8	1461.4	1495.8	1530.2	1532.2	1534.1
1320.4	42.5°	1299.7	1279.0	1290.7	1302.6	1333.5	1364.5	1401.6	1438.7	1448.6	1458.6
1242.7	45°	1222.5	1202.4	1212.3	1222.3	1251.6	1281.0	1319.5	1358.0	1372.2	1386.5
1173.4	47.5°	1156.5	1139.6	1148.9	1158.1	1186.9	1215.5	1253.5	1291.5	1307.9	1324.3
1112.4	50°	1097.3	1082.4	1096.9	1111.5	1138.6	1165.6	1199.7	1233.7	1254.7	1275.8
1066.9	52.5°	1052.0	1037.3	1059.1	1080.9	1105.7	1130.5	1162.2	1194.0	1218.9	1243.9
1042.7	55°	1019.2	995.8	1026.8	1057.7	1084.5	1111.2	1139.0	1166.8	1193.2	1219.7
1028.2	57.5°	994.0	959.8	993.1	1026.5	1057.9	1089.3	1116.8	1144.3	1171.0	1197.6
1014.6	60°	970.3	925.9	955.2	984.3	1020.4	1056.5	1084.4	1112.4	1139.1	1165.9
998.7	62.5°	943.2	887.9	906.5	925.0	967.1	1009.2	1039.0	1068.8	1093.3	1117.8
965.2	65°	906.3	847.3	854.5	861.6	906.6	951.8	980.3	1008.8	1030.4	1051.9
905.4	67.5°	856.4	807.4	805.1	802.9	844.5	886.2	913.2	940.1	958.8	977.4
829.6	70°	794.8	759.9	752.1	744.3	780.9	817.6	840.9	864.2	881.0	897.8
745.2	72.5°	721.3	697.4	686.0	674.7	703.5	732.3	753.3	774.4	790.9	807.4
649.4	75°	631.0	612.5	601.6	590.7	612.1	633.5	652.6	671.7	686.7	701.7
553.4	77.5°	538.6	523.9	512.8	501.8	519.2	536.5	552.9	569.4	585.1	600.9
443.9	80°	431.6	419.1	409.9	400.6	415.1	429.5	443.3	457.1	469.1	481.0
326.5	82.5°	320.5	314.4	307.9	301.3	300.1	298.9	294.0	289.2	314.8	340.3
215.0	85°	208.5	202.0	194.7	187.3	181.1	174.8	161.4	148.1	172.0	196.0
95.0	87.5°	92.4	89.8	88.4	87.0	86.8	86.5	76.3	66.0	76.1	86.2
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°
2249.8	0°	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8
2082.7	2.5°	2074.5	2068.1	2061.8	2055.9	2049.9	2042.6	2049.9	2055.9	2061.8	2068.1
1959.6	5°	1948.3	1940.3	1932.3	1926.1	1920.0	1914.0	1920.0	1926.1	1932.3	1940.3
1885.8	7.5°	1872.3	1863.1	1854.0	1848.4	1843.0	1838.8	1843.0	1848.4	1854.0	1863.1
1864.6	10°	1849.4	1840.7	1831.9	1827.3	1822.6	1820.7	1822.6	1827.3	1831.9	1840.7
1902.7	12.5°	1883.3	1873.5	1863.9	1859.9	1855.9	1855.2	1855.9	1859.9	1863.9	1873.5
1983.0	15°	1953.5	1939.9	1926.5	1921.3	1916.1	1915.7	1916.1	1921.3	1926.5	1939.9
2064.5	17.5°	2021.0	2001.0	1980.9	1974.3	1967.6	1966.6	1967.6	1974.3	1980.9	2001.0
2115.3	20°	2062.0	2036.4	2010.6	2002.4	1994.2	1991.6	1994.2	2002.4	2010.6	2036.4
2118.5	22.5°	2063.5	2036.5	2009.3	2000.3	1991.2	1987.3	1991.2	2000.3	2009.3	2036.5
2070.4	25°	2021.7	1998.2	1974.8	1966.3	1957.8	1952.8	1957.8	1966.3	1974.8	1998.2
1977.8	27.5°	1939.9	1924.1	1908.3	1904.5	1900.6	1899.3	1900.6	1904.5	1908.3	1924.1
1866.3	30°	1839.0	1831.0	1822.9	1822.9	1822.9	1824.2	1822.9	1822.9	1822.9	1831.0
1759.5	32.5°	1737.8	1732.6	1727.3	1728.0	1728.8	1730.1	1728.8	1728.0	1727.3	1732.6
1668.4	35°	1648.5	1640.5	1632.5	1630.8	1629.1	1628.2	1629.1	1630.8	1632.5	1640.5
1591.0	37.5°	1572.5	1557.9	1543.4	1535.7	1528.1	1523.7	1528.1	1535.7	1543.4	1557.9
1518.5	40°	1502.8	1481.6	1460.5	1446.2	1432.1	1423.6	1432.1	1446.2	1460.5	1481.6
1445.3	42.5°	1432.2	1405.9	1379.6	1358.8	1338.0	1324.3	1338.0	1358.8	1379.6	1405.9
1374.6	45°	1362.7	1332.6	1302.6	1278.1	1253.7	1238.0	1253.7	1278.1	1302.6	1332.6
1316.0	47.5°	1307.7	1281.0	1254.2	1231.6	1209.1	1194.0	1209.1	1231.6	1254.2	1281.0
1275.3	50°	1274.9	1253.5	1232.1	1211.2	1190.3	1175.8	1190.3	1211.2	1232.1	1253.5
1248.3	52.5°	1252.8	1235.4	1218.0	1199.2	1180.6	1167.2	1180.6	1199.2	1218.0	1235.4
1225.9	55°	1232.1	1216.9	1201.7	1185.3	1168.9	1156.8	1168.9	1185.3	1201.7	1216.9
1203.9	57.5°	1210.2	1194.8	1179.5	1163.2	1146.9	1134.4	1146.9	1163.2	1179.5	1194.8
1172.8	60°	1179.7	1164.7	1149.8	1133.0	1116.3	1103.3	1116.3	1133.0	1149.8	1164.7
1124.5	62.5°	1131.1	1117.6	1104.0	1086.4	1068.8	1053.2	1068.8	1086.4	1104.0	1117.6
1058.8	65°	1065.5	1052.5	1039.4	1022.3	1005.3	991.9	1005.3	1022.3	1039.4	1052.5
984.1	67.5°	990.6	978.6	966.7	950.8	935.0	922.9	935.0	950.8	966.7	978.6
904.2	70°	910.6	900.9	891.1	875.9	860.7	846.9	860.7	875.9	891.1	900.9
815.0	72.5°	822.6	814.4	806.3	791.8	777.4	764.0	777.4	791.8	806.3	814.4
709.6	75°	717.6	713.6	709.6	697.5	685.3	672.5	685.3	697.5	709.6	713.6
608.3	77.5°	615.7	610.2	604.5	592.2	580.0	569.8	580.0	592.2	604.5	610.2
490.9	80°	500.7	498.3	496.0	479.5	462.9	443.7	462.9	479.5	496.0	498.3
357.1	82.5°	373.8	372.8	371.7	357.8	343.8	331.5	343.8	357.8	371.7	372.8
216.7	85°	237.4	235.7	234.0	223.1	212.2	201.2	212.2	223.1	234.0	235.7
94.5	87.5°	102.9	100.8	98.6	93.1	87.4	82.0	87.4	93.1	98.6	100.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2249.8	0°	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8
2074.5	2.5°	2082.7	2090.9	2101.1	2111.2	2124.3	2137.4	2150.4	2163.4	2178.3	2193.2
1948.3	5°	1959.6	1970.9	1987.2	2003.3	2024.4	2045.3	2068.5	2091.6	2117.8	2144.0
1872.3	7.5°	1885.8	1899.3	1918.4	1937.7	1963.3	1989.1	2018.2	2047.3	2081.9	2116.4
1849.4	10°	1864.6	1879.6	1902.6	1925.6	1954.5	1983.4	2014.9	2046.2	2080.7	2115.3
1883.3	12.5°	1902.7	1922.2	1951.5	1980.9	2010.7	2040.7	2065.2	2089.9	2112.7	2135.6
1953.5	15°	1983.0	2012.5	2054.3	2096.1	2122.1	2148.1	2154.5	2160.9	2157.7	2154.6
2021.0	17.5°	2064.5	2108.0	2163.4	2218.7	2239.6	2260.6	2240.6	2220.6	2183.0	2145.3
2062.0	20°	2115.3	2168.6	2231.8	2295.1	2304.9	2314.5	2272.7	2230.8	2165.3	2100.0
2063.5	22.5°	2118.5	2173.4	2233.8	2294.2	2288.5	2282.6	2228.1	2173.6	2098.9	2024.3
2021.7	25°	2070.4	2119.2	2168.7	2218.3	2198.3	2178.3	2124.7	2071.1	2003.9	1936.8
1939.9	27.5°	1977.8	2015.6	2050.9	2086.2	2063.8	2041.5	1998.6	1955.6	1900.5	1845.3
1839.0	30°	1866.3	1893.4	1920.3	1947.2	1929.1	1910.9	1875.2	1839.5	1793.8	1748.0
1737.8	32.5°	1759.5	1781.2	1806.0	1830.6	1810.4	1790.3	1756.1	1721.9	1685.3	1648.7
1648.5	35°	1668.4	1688.5	1706.0	1723.6	1699.4	1675.2	1641.3	1607.5	1579.7	1551.8
1572.5	37.5°	1591.0	1609.4	1617.5	1625.6	1595.7	1565.9	1532.0	1498.3	1478.3	1458.3
1502.8	40°	1518.5	1534.1	1532.2	1530.2	1495.8	1461.4	1428.8	1396.1	1381.7	1367.3
1432.2	42.5°	1445.3	1458.6	1448.6	1438.7	1401.6	1364.5	1333.5	1302.6	1290.7	1279.0
1362.7	45°	1374.6	1386.5	1372.2	1358.0	1319.5	1281.0	1251.6	1222.3	1212.3	1202.4
1307.7	47.5°	1316.0	1324.3	1307.9	1291.5	1253.5	1215.5	1186.9	1158.1	1148.9	1139.6
1274.9	50°	1275.3	1275.8	1254.7	1233.7	1199.7	1165.6	1138.6	1111.5	1096.9	1082.4
1252.8	52.5°	1248.3	1243.9	1218.9	1194.0	1162.2	1130.5	1105.7	1080.9	1059.1	1037.3
1232.1	55°	1225.9	1219.7	1193.2	1166.8	1139.0	1111.2	1084.5	1057.7	1026.8	995.8
1210.2	57.5°	1203.9	1197.6	1171.0	1144.3	1116.8	1089.3	1057.9	1026.5	993.1	959.8
1179.7	60°	1172.8	1165.9	1139.1	1112.4	1084.4	1056.5	1020.4	984.3	955.2	925.9
1131.1	62.5°	1124.5	1117.8	1093.3	1068.8	1039.0	1009.2	967.1	925.0	906.5	887.9
1065.5	65°	1058.8	1051.9	1030.4	1008.8	980.3	951.8	906.6	861.6	854.5	847.3
990.6	67.5°	984.1	977.4	958.8	940.1	913.2	886.2	844.5	802.9	805.1	807.4
910.6	70°	904.2	897.8	881.0	864.2	840.9	817.6	780.9	744.3	752.1	759.9
822.6	72.5°	815.0	807.4	790.9	774.4	753.3	732.3	703.5	674.7	686.0	697.4
717.6	75°	709.6	701.7	686.7	671.7	652.6	633.5	612.1	590.7	601.6	612.5
615.7	77.5°	608.3	600.9	585.1	569.4	552.9	536.5	519.2	501.8	512.8	523.9
500.7	80°	490.9	481.0	469.1	457.1	443.3	429.5	415.1	400.6	409.9	419.1
373.8	82.5°	357.1	340.3	314.8	289.2	294.0	298.9	300.1	301.3	307.9	314.4
237.4	85°	216.7	196.0	172.0	148.1	161.4	174.8	181.1	187.3	194.7	202.0
102.9	87.5°	94.5	86.2	76.1	66.0	76.3	86.5	86.8	87.0	88.4	89.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2249.8	0°	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8
2209.7	2.5°	2226.3	2246.8	2265.1	2284.1	2303.1	2323.0	2342.8	2362.5	2382.3	2400.9
2175.4	5°	2206.6	2242.4	2278.7	2317.1	2355.5	2396.6	2437.8	2478.6	2519.6	2560.6
2157.9	7.5°	2199.5	2245.9	2295.4	2349.0	2402.6	2463.4	2524.3	2586.8	2649.3	2716.9
2159.1	10°	2203.0	2252.8	2313.8	2377.4	2440.7	2514.7	2588.6	2671.2	2753.8	2839.3
2171.4	12.5°	2207.3	2253.7	2317.8	2389.5	2461.3	2548.5	2635.7	2729.3	2822.8	2916.8
2171.7	15°	2188.9	2226.0	2297.1	2380.1	2463.2	2563.6	2664.0	2765.5	2867.0	2965.0
2139.1	17.5°	2132.8	2155.7	2239.2	2339.1	2439.0	2555.6	2672.1	2782.9	2893.6	2993.0
2070.6	20°	2041.3	2047.3	2144.6	2268.4	2392.2	2533.5	2674.7	2796.4	2918.2	3021.5
1980.9	22.5°	1937.4	1925.6	2036.4	2185.5	2334.6	2506.4	2678.2	2814.7	2951.2	3056.8
1886.8	25°	1836.7	1804.7	1918.3	2092.8	2267.5	2479.6	2691.8	2847.9	3003.9	3107.2
1797.0	27.5°	1748.6	1709.8	1813.1	2008.1	2203.2	2461.7	2720.3	2899.7	3079.0	3177.7
1709.5	30°	1671.2	1640.7	1727.5	1937.3	2147.2	2453.3	2759.3	2966.8	3174.2	3269.4
1626.0	32.5°	1603.3	1589.8	1659.7	1876.3	2092.8	2443.0	2793.0	3036.8	3280.6	3374.8
1545.5	35°	1539.3	1544.9	1603.2	1816.3	2029.5	2423.5	2817.7	3116.5	3415.4	3505.8
1465.2	37.5°	1472.1	1492.7	1543.6	1745.7	1947.8	2390.1	2832.3	3205.9	3579.4	3694.6
1382.9	40°	1398.6	1430.1	1476.3	1661.4	1846.6	2344.1	2841.6	3319.3	3797.0	3964.8
1299.7	42.5°	1320.4	1360.1	1402.7	1568.5	1734.2	2296.6	2859.1	3467.7	4076.4	4318.6
1222.5	45°	1242.7	1281.1	1324.3	1469.7	1615.1	2252.5	2889.9	3663.0	4436.1	4762.9
1156.5	47.5°	1173.4	1206.5	1262.2	1391.6	1521.0	2216.0	2911.1	3871.1	4831.1	5291.0
1097.3	50°	1112.4	1150.8	1224.0	1339.7	1455.4	2176.3	2897.3	4064.1	5231.0	5924.4
1052.0	52.5°	1066.9	1120.6	1204.7	1305.5	1406.3	2109.2	2812.2	4189.5	5566.6	6589.6
1019.2	55°	1042.7	1123.6	1201.9	1280.7	1359.5	1998.0	2636.5	4161.8	5687.0	7179.4
994.0	57.5°	1028.2	1126.6	1195.7	1251.4	1307.0	1841.3	2375.4	3967.4	5559.5	7597.4
970.3	60°	1014.6	1117.1	1162.7	1206.5	1250.2	1637.7	2025.1	3605.6	5186.1	7701.9
943.2	62.5°	998.7	1093.8	1099.4	1128.4	1157.5	1394.1	1630.6	3116.4	4602.1	7262.1
906.3	65°	965.2	1037.7	1037.0	1050.7	1064.5	1174.9	1285.3	2617.2	3949.2	6639.7
856.4	67.5°	905.4	946.2	948.1	940.5	932.8	964.2	995.6	2128.2	3260.9	5899.1
794.8	70°	829.6	843.0	843.0	807.5	772.0	763.1	754.1	1675.7	2597.3	5090.9
721.3	72.5°	745.2	745.0	736.6	686.2	635.8	608.7	581.7	1281.1	1980.4	4214.8
631.0	75°	649.4	652.7	613.6	557.2	500.7	476.2	451.7	929.8	1407.9	3210.6
538.6	77.5°	553.4	555.1	490.8	436.0	381.2	364.4	347.7	630.0	912.3	2247.1
431.6	80°	443.9	444.2	367.3	321.0	274.5	267.6	260.7	405.9	551.2	1447.8
320.5	82.5°	326.5	322.9	257.3	223.1	188.9	187.5	186.3	249.7	313.2	837.9
208.5	85°	215.0	210.2	161.4	136.4	111.4	112.1	112.7	133.5	154.4	376.9
92.4	87.5°	95.0	88.9	68.6	58.4	48.2	48.8	49.4	55.3	61.3	123.5
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2249.8	0°	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8
2419.4	2.5°	2428.6	2437.8	2450.8	2463.9	2471.6	2479.4	2483.3	2487.2	2485.5	2487.2
2601.6	5°	2633.6	2665.7	2697.5	2729.3	2746.6	2763.9	2774.3	2784.9	2792.8	2784.9
2784.6	7.5°	2836.7	2888.8	2935.7	2982.6	3010.8	3039.0	3054.3	3069.5	3076.8	3069.5
2924.9	10°	2986.5	3048.2	3103.2	3158.2	3191.5	3224.6	3239.5	3254.2	3259.8	3254.2
3010.8	12.5°	3077.6	3144.3	3194.1	3243.6	3267.8	3292.0	3300.1	3308.2	3309.1	3308.2
3063.0	15°	3120.7	3178.3	3209.4	3240.7	3241.5	3242.4	3233.8	3225.1	3215.0	3225.1
3092.4	17.5°	3131.3	3170.2	3170.8	3171.4	3136.4	3101.4	3069.4	3037.3	3014.7	3037.3
3124.7	20°	3138.3	3151.9	3110.9	3069.9	2992.7	2915.6	2859.4	2803.2	2768.6	2803.2
3162.3	22.5°	3144.5	3126.7	3041.8	2956.8	2843.3	2729.8	2659.5	2589.2	2551.1	2589.2
3210.6	25°	3154.5	3098.4	2969.4	2840.5	2702.6	2564.7	2490.8	2417.1	2381.0	2417.1
3276.3	27.5°	3175.9	3075.5	2904.7	2733.9	2581.1	2428.3	2355.6	2283.0	2248.9	2283.0
3364.7	30°	3215.1	3065.6	2855.3	2645.0	2485.8	2326.6	2259.2	2191.8	2160.0	2191.8
3469.2	32.5°	3264.3	3059.6	2821.6	2583.7	2434.1	2284.5	2231.6	2178.6	2155.7	2178.6
3596.1	35°	3345.4	3094.8	2846.8	2599.0	2495.0	2391.2	2378.8	2366.5	2364.6	2366.5
3809.8	37.5°	3514.9	3220.0	2994.6	2769.3	2762.6	2755.8	2812.3	2868.8	2898.1	2868.8
4132.7	40°	3811.9	3491.2	3323.6	3156.1	3274.4	3392.6	3529.9	3667.2	3735.5	3667.2
4560.9	42.5°	4242.6	3924.4	3827.9	3731.4	3989.3	4247.3	4497.0	4746.6	4893.2	4746.6
5089.6	45°	4803.8	4517.9	4475.3	4432.7	4845.9	5259.3	5669.5	6079.8	6328.9	6079.8
5750.9	47.5°	5472.8	5194.7	5186.1	5177.4	5773.6	6369.7	6970.3	7570.8	7923.4	7570.8
6617.7	50°	6274.2	5930.7	5932.2	5933.7	6702.0	7470.4	8263.1	9055.9	9535.2	9055.9
7612.6	52.5°	7196.7	6780.8	6738.8	6696.7	7614.5	8532.2	9513.1	10493.9	11068.5	10493.9
8671.9	55°	8261.0	7850.1	7686.1	7522.2	8543.6	9565.0	10734.4	11903.7	12587.0	11903.7
9635.4	57.5°	9411.6	9187.7	8858.9	8530.2	9561.6	10593.0	11917.4	13241.8	14089.2	13241.8
10217.7	60°	10565.2	10912.9	10504.5	10096.2	11072.3	12048.3	13466.4	14884.5	15800.2	14884.5
9922.0	62.5°	10871.7	11821.4	11775.4	11729.3	12623.4	13517.7	14866.8	16215.9	17062.4	16215.9
9330.2	65°	10221.6	11112.9	11289.3	11465.6	12601.9	13738.2	15046.5	16354.7	17075.4	16354.7
8537.2	67.5°	9385.0	10232.8	10315.5	10398.1	11582.0	12765.9	14079.8	15393.6	15958.2	15393.6
7584.6	70°	8506.7	9428.9	9465.8	9502.9	10561.6	11620.3	12751.0	13881.5	14195.4	13881.5
6449.3	72.5°	7507.5	8565.7	8592.3	8618.8	9447.2	10275.5	11122.3	11969.1	12000.8	11969.1
5013.2	75°	6108.4	7203.6	7301.9	7400.3	8044.7	8689.2	9285.3	9881.4	9721.7	9881.4
3581.9	77.5°	4604.2	5626.6	5767.3	5908.0	6398.0	6887.9	7310.7	7733.5	7459.0	7733.5
2344.3	80°	3204.4	4064.5	4239.4	4414.3	4784.3	5154.1	5376.2	5598.1	5156.5	5598.1
1362.7	82.5°	1950.7	2538.8	2734.2	2929.6	3184.3	3439.0	3531.6	3624.2	3277.1	3624.2
599.6	85°	911.7	1223.7	1389.9	1556.1	1765.4	1974.6	2027.1	2079.7	1801.7	2079.7
185.6	87.5°	290.5	395.4	488.1	580.8	685.5	790.1	794.6	799.0	670.8	799.0
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°
2249.8	0°	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8	2249.8
2483.3	2.5°	2479.4	2471.6	2463.9	2450.8	2437.8	2428.6	2419.4
2774.3	5°	2763.9	2746.6	2729.3	2697.5	2665.7	2633.6	2601.6
3054.3	7.5°	3039.0	3010.8	2982.6	2935.7	2888.8	2836.7	2784.6
3239.5	10°	3224.6	3191.5	3158.2	3103.2	3048.2	2986.5	2924.9
3300.1	12.5°	3292.0	3267.8	3243.6	3194.1	3144.3	3077.6	3010.8
3233.8	15°	3242.4	3241.5	3240.7	3209.4	3178.3	3120.7	3063.0
3069.4	17.5°	3101.4	3136.4	3171.4	3170.8	3170.2	3131.3	3092.4
2859.4	20°	2915.6	2992.7	3069.9	3110.9	3151.9	3138.3	3124.7
2659.5	22.5°	2729.8	2843.3	2956.8	3041.8	3126.7	3144.5	3162.3
2490.8	25°	2564.7	2702.6	2840.5	2969.4	3098.4	3154.5	3210.6
2355.6	27.5°	2428.3	2581.1	2733.9	2904.7	3075.5	3175.9	3276.3
2259.2	30°	2326.6	2485.8	2645.0	2855.3	3065.6	3215.1	3364.7
2231.6	32.5°	2284.5	2434.1	2583.7	2821.6	3059.6	3264.3	3469.2
2378.8	35°	2391.2	2495.0	2599.0	2846.8	3094.8	3345.4	3596.1
2812.3	37.5°	2755.8	2762.6	2769.3	2994.6	3220.0	3514.9	3809.8
3529.9	40°	3392.6	3274.4	3156.1	3323.6	3491.2	3811.9	4132.7
4497.0	42.5°	4247.3	3989.3	3731.4	3827.9	3924.4	4242.6	4560.9
5669.5	45°	5259.3	4845.9	4432.7	4475.3	4517.9	4803.8	5089.6
6970.3	47.5°	6369.7	5773.6	5177.4	5186.1	5194.7	5472.8	5750.9
8263.1	50°	7470.4	6702.0	5933.7	5932.2	5930.7	6274.2	6617.7
9513.1	52.5°	8532.2	7614.5	6696.7	6738.8	6780.8	7196.7	7612.6
10734.4	55°	9565.0	8543.6	7522.2	7686.1	7850.1	8261.0	8671.9
11917.4	57.5°	10593.0	9561.6	8530.2	8858.9	9187.7	9411.6	9635.4
13466.4	60°	12048.3	11072.3	10096.2	10504.5	10912.9	10565.2	10217.7
14866.8	62.5°	13517.7	12623.4	11729.3	11775.4	11821.4	10871.7	9922.0
15046.5	65°	13738.2	12601.9	11465.6	11289.3	11112.9	10221.6	9330.2
14079.8	67.5°	12765.9	11582.0	10398.1	10315.5	10232.8	9385.0	8537.2
12751.0	70°	11620.3	10561.6	9502.9	9465.8	9428.9	8506.7	7584.6
11122.3	72.5°	10275.5	9447.2	8618.8	8592.3	8565.7	7507.5	6449.3
9285.3	75°	8689.2	8044.7	7400.3	7301.9	7203.6	6108.4	5013.2
7310.7	77.5°	6887.9	6398.0	5908.0	5767.3	5626.6	4604.2	3581.9
5376.2	80°	5154.1	4784.3	4414.3	4239.4	4064.5	3204.4	2344.3
3531.6	82.5°	3439.0	3184.3	2929.6	2734.2	2538.8	1950.7	1362.7
2027.1	85°	1974.6	1765.4	1556.1	1389.9	1223.7	911.7	599.6
794.6	87.5°	790.1	685.5	580.8	488.1	395.4	290.5	185.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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