

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: P948958

Luminaire Tested: **GALN-SB3D-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948958
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-SB3D-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28218 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

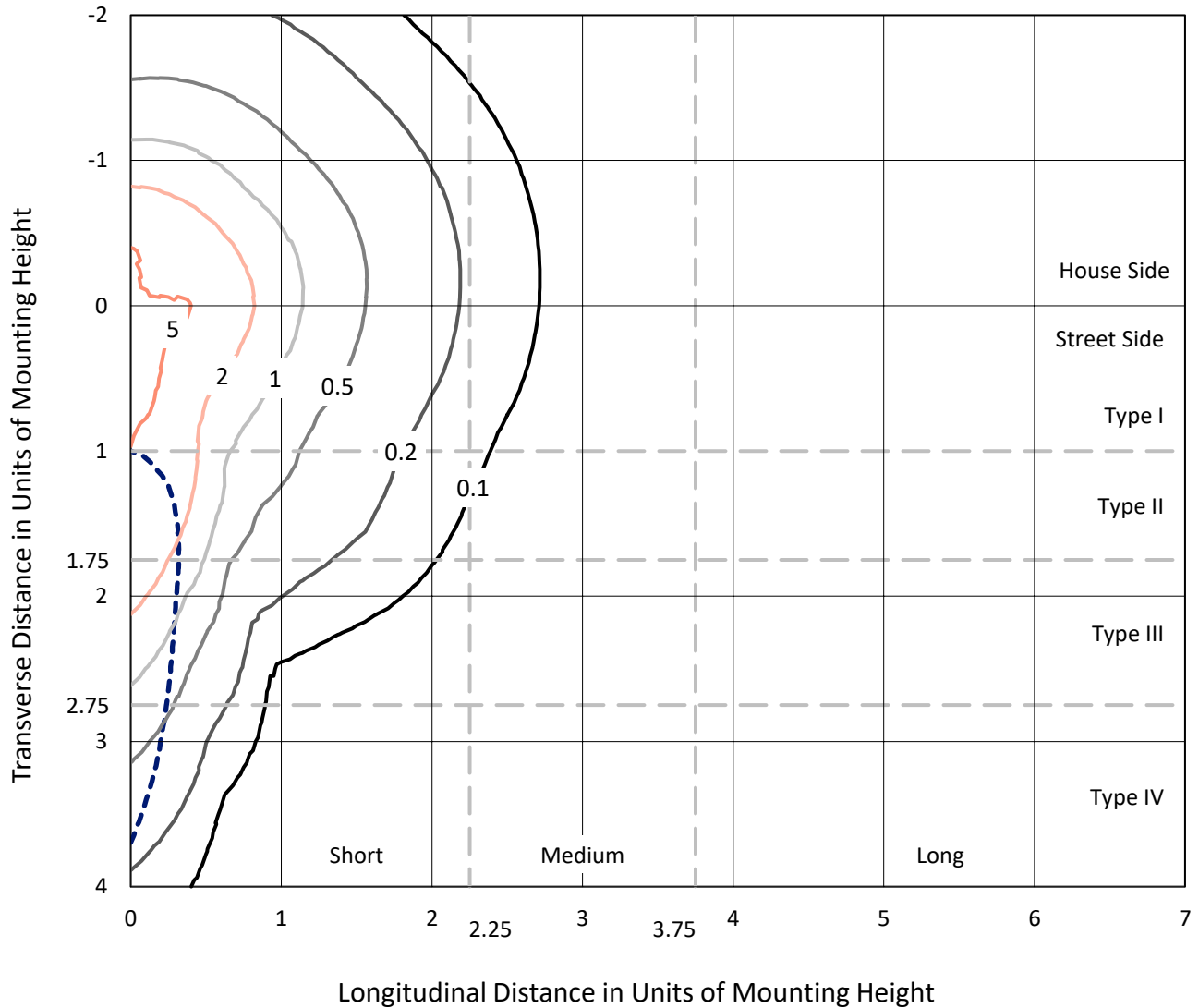
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

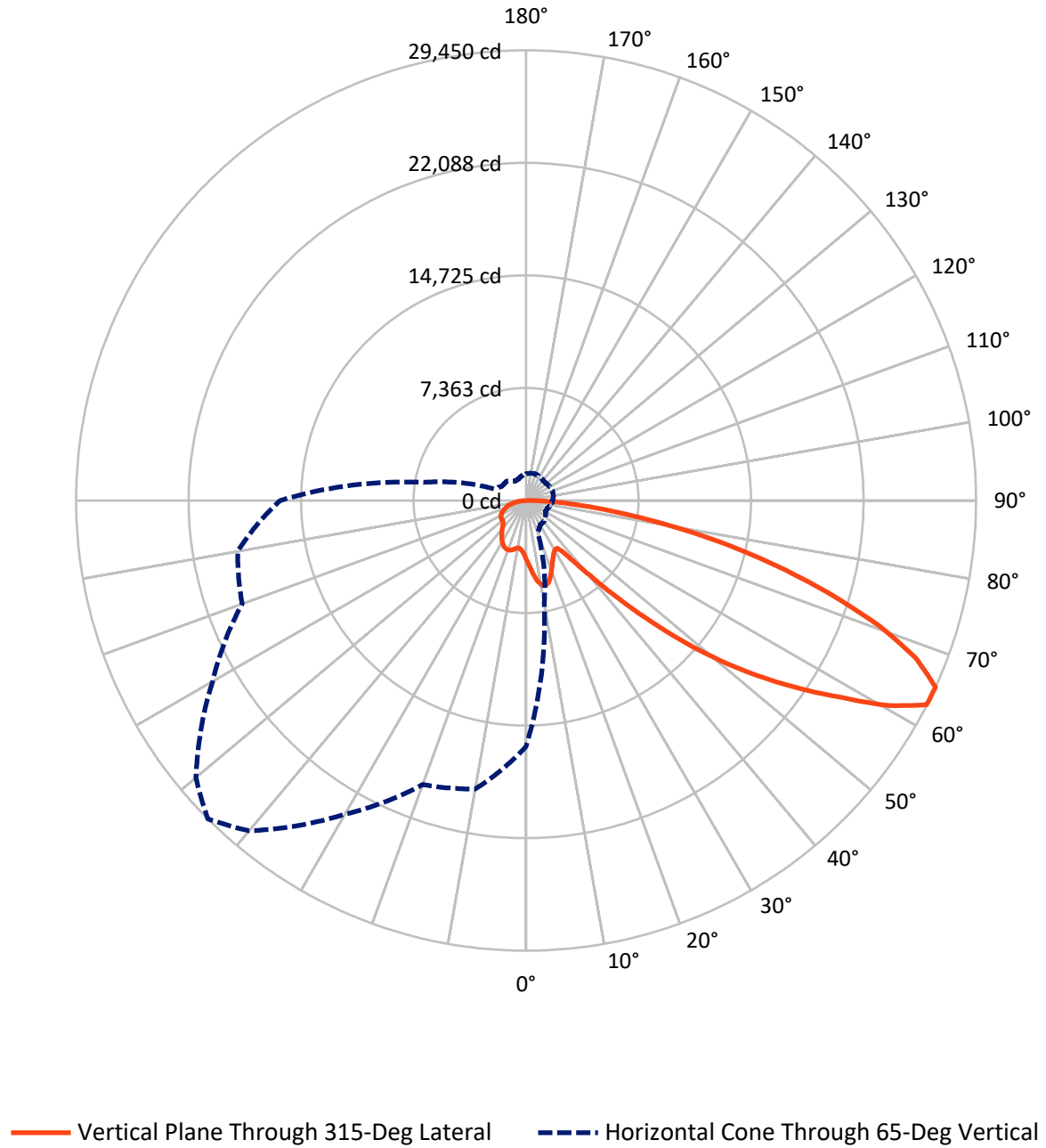
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	7171.6	0.0	7171.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	21046.4	0.0	21046.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	28218.0	0.0	28218.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.9	1.4
10°-20°	1208.3	4.3
20°-30°	1866.4	6.6
30°-40°	2365.3	8.4
40°-50°	3567.4	12.6
50°-60°	5763.7	20.4
60°-70°	7185.3	25.5
70°-80°	4711.8	16.7
80°-90°	1164.9	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°	28218.0	100.0
0°-180°	28218.0	100.0



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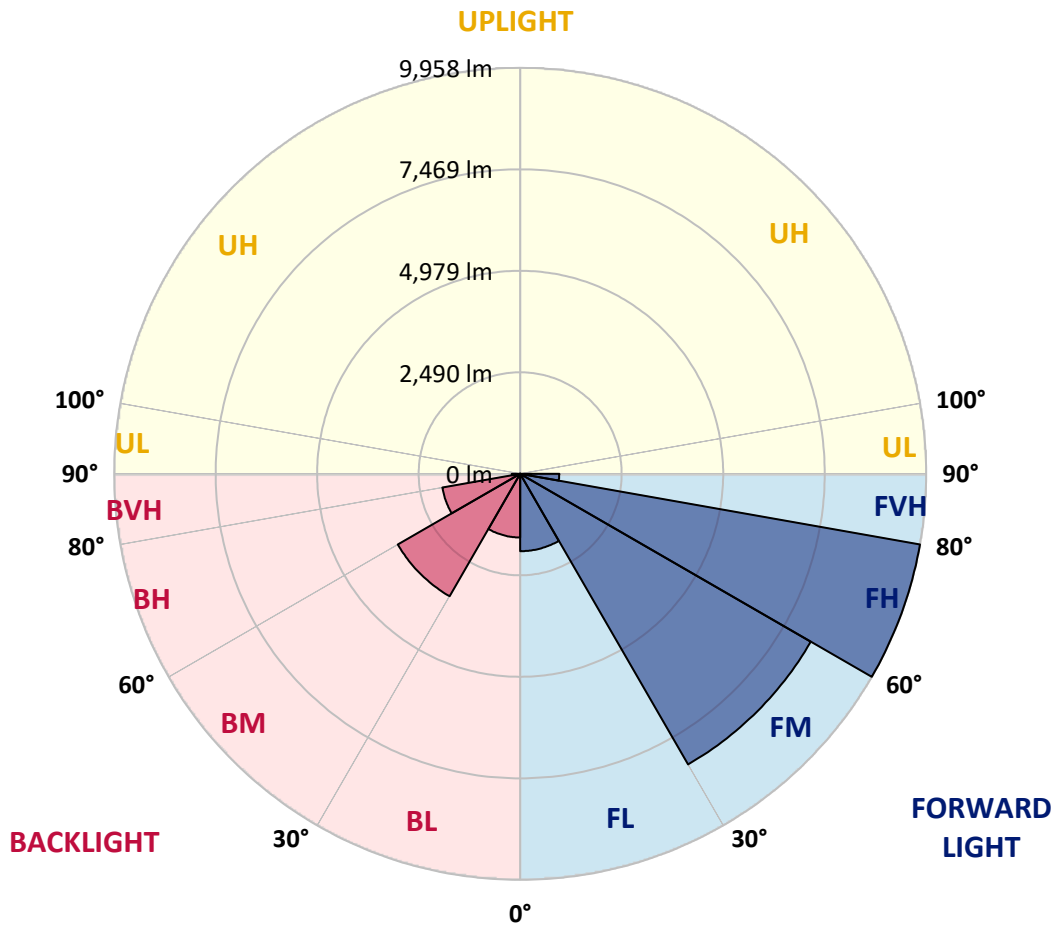
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1898.0	6.7			
FM (30°-60°)	8230.6	29.2			
FH (60°-80°)	9958.3	35.3			G4/12000
FVH (80°-90°)	959.6	3.4			G5
BL (0°-30°)	1561.7	5.5	B3/2500		
BM (30°-60°)	3465.8	12.3	B3/5000		
BH (60°-80°)	1938.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	205.3	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2
2.5°	4172.8	4140.8	4108.8	4074.7	4040.7	4006.5	3972.2	3939.5	3906.7	3875.0
5°	4487.0	4416.2	4345.5	4274.9	4204.5	4133.5	4062.6	3996.4	3930.1	3867.6
7.5°	4802.6	4685.9	4569.3	4461.5	4353.7	4248.7	4143.8	4051.3	3958.8	3873.5
10°	5044.6	4897.0	4749.5	4607.0	4464.6	4337.2	4209.6	4100.3	3990.7	3885.4
12.5°	5192.7	5030.6	4868.6	4707.2	4545.8	4395.4	4245.0	4121.3	3997.5	3886.9
15°	5282.8	5113.8	4944.8	4769.7	4594.6	4421.5	4248.3	4105.1	3961.8	3839.3
17.5°	5333.4	5162.1	4990.7	4799.6	4608.6	4407.6	4206.6	4034.3	3862.1	3717.9
20°	5389.3	5211.2	5033.0	4823.0	4613.1	4369.5	4125.9	3912.4	3698.9	3531.1
22.5°	5454.0	5272.1	5090.0	4854.6	4619.0	4322.7	4026.4	3769.3	3512.1	3321.1
25°	5537.4	5359.0	5180.8	4911.8	4642.6	4276.6	3910.7	3609.5	3308.5	3112.7
27.5°	5650.6	5480.5	5310.4	5001.1	4691.7	4245.8	3799.8	3463.5	3127.1	2948.9
30°	5803.2	5638.8	5474.6	5116.8	4759.0	4231.3	3703.3	3341.4	2979.4	2829.8
32.5°	5983.4	5820.6	5658.0	5237.5	4817.1	4213.4	3609.5	3236.1	2862.5	2741.9
35°	6202.2	6046.5	5890.6	5375.1	4859.7	4179.8	3500.2	3132.6	2765.0	2664.5
37.5°	6570.8	6372.1	6173.5	5529.2	4885.0	4122.2	3359.4	3010.8	2662.3	2574.4
40°	7127.6	6838.2	6548.7	5724.9	4900.9	4042.8	3184.9	2865.5	2546.1	2466.5
42.5°	7866.2	7448.4	7030.6	5980.8	4931.1	3960.9	2991.0	2705.1	2419.3	2345.8
45°	8778.1	8214.6	7651.0	6317.6	4984.3	3884.8	2785.5	2534.8	2284.1	2209.6
47.5°	9918.7	9125.5	8332.2	6676.5	5020.8	3822.0	2623.2	2400.0	2176.9	2080.8
50°	11413.6	10217.8	9021.9	7009.4	4996.9	3753.5	2510.1	2310.6	2111.0	1984.8
52.5°	13129.6	11365.2	9600.8	7225.6	4850.3	3637.8	2425.5	2251.6	2077.8	1932.7
55°	14956.6	12382.5	9808.5	7178.0	4547.3	3446.0	2344.8	2208.9	2072.9	1937.9
57.5°	16618.2	13103.4	9588.6	6842.6	4096.9	3175.6	2254.3	2158.2	2062.2	1943.1
60°	17622.5	13283.6	8944.5	6218.6	3492.8	2824.5	2156.3	2080.8	2005.3	1926.7
62.5°	17112.6	12524.9	7937.3	5374.8	2812.3	2404.4	1996.4	1946.2	1896.2	1886.5
65°	16091.9	11451.6	6811.2	4513.9	2216.8	2026.3	1835.9	1812.2	1788.5	1789.7
67.5°	14724.3	10174.2	5624.1	3670.6	1717.1	1663.0	1608.8	1622.1	1635.2	1631.9
70°	13081.2	8780.4	4479.5	2890.1	1300.6	1316.1	1331.4	1392.8	1454.0	1454.0
72.5°	11123.2	7269.4	3415.7	2209.5	1003.3	1049.9	1096.6	1183.6	1270.4	1285.0
75°	8646.4	5537.3	2428.2	1603.6	779.0	821.3	863.6	961.0	1058.3	1125.7
77.5°	6177.7	3875.6	1573.5	1086.6	599.8	628.5	657.4	751.9	846.5	957.4
80°	4043.3	2497.0	950.7	700.1	449.7	461.6	473.5	553.6	633.6	766.1
82.5°	2350.3	1445.2	540.2	430.6	321.3	323.4	325.8	384.7	443.7	556.9
85°	1034.1	650.1	266.2	230.2	194.3	193.3	192.1	235.3	278.4	362.6
87.5°	320.1	212.9	105.7	95.4	85.2	84.1	83.1	100.7	118.4	153.4
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°
3880.2	0°	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2
3839.7	2.5°	3811.1	3782.7	3756.9	3731.3	3708.8	3686.4	3663.7	3641.2	3623.8	3606.3
3805.8	5°	3751.9	3697.8	3652.6	3607.4	3567.5	3527.6	3491.5	3455.1	3427.3	3399.3
3793.6	7.5°	3721.8	3650.2	3590.6	3531.1	3480.9	3430.6	3386.2	3342.0	3308.8	3275.7
3799.5	10°	3723.9	3648.2	3588.7	3529.1	3475.1	3420.9	3371.0	3321.1	3281.5	3241.8
3807.0	12.5°	3745.0	3683.4	3643.8	3604.5	3561.9	3519.6	3467.9	3416.4	3365.8	3315.2
3775.2	15°	3745.6	3716.1	3721.5	3726.9	3715.8	3704.8	3660.0	3615.2	3543.1	3471.1
3678.5	17.5°	3689.3	3700.1	3765.0	3829.9	3864.4	3898.8	3862.6	3826.6	3731.2	3635.7
3520.6	20°	3571.3	3621.9	3734.6	3847.5	3919.7	3991.9	3975.2	3958.4	3849.2	3740.3
3341.5	22.5°	3416.4	3491.3	3619.9	3748.9	3842.8	3936.8	3946.9	3956.9	3852.7	3748.4
3167.8	25°	3254.1	3340.5	3456.2	3572.0	3664.5	3756.9	3791.5	3825.9	3740.4	3655.1
3015.9	27.5°	3099.3	3182.6	3277.8	3372.8	3446.9	3521.1	3559.5	3598.1	3537.2	3476.4
2882.3	30°	2948.4	3014.8	3093.8	3172.7	3234.2	3295.8	3327.1	3358.3	3312.0	3265.6
2765.3	32.5°	2804.4	2843.6	2906.6	2969.7	3028.7	3087.8	3122.5	3157.3	3114.7	3072.0
2654.8	35°	2665.5	2676.4	2724.5	2772.4	2830.8	2889.3	2931.0	2972.7	2942.3	2912.1
2539.0	37.5°	2527.1	2515.1	2549.7	2584.1	2642.3	2700.7	2752.2	2803.7	2789.7	2775.7
2412.1	40°	2385.2	2358.2	2383.1	2407.9	2464.2	2520.5	2579.8	2639.2	2642.6	2645.9
2277.4	42.5°	2241.6	2205.9	2226.1	2246.5	2299.8	2353.3	2417.3	2481.3	2498.5	2515.6
2143.4	45°	2108.5	2073.8	2090.8	2108.1	2158.7	2209.3	2275.7	2342.1	2366.7	2391.3
2023.8	47.5°	1994.6	1965.4	1981.5	1997.4	2047.0	2096.4	2162.0	2227.5	2255.8	2284.1
1918.5	50°	1892.6	1866.9	1891.9	1917.0	1963.8	2010.4	2069.1	2127.7	2164.0	2200.4
1840.1	52.5°	1814.4	1789.0	1826.7	1864.2	1907.1	1949.8	2004.4	2059.2	2102.3	2145.3
1798.4	55°	1757.9	1717.5	1771.0	1824.3	1870.4	1916.6	1964.5	2012.3	2057.9	2103.6
1773.3	57.5°	1714.4	1655.4	1712.9	1770.4	1824.6	1878.8	1926.1	1973.6	2019.6	2065.5
1749.8	60°	1673.4	1596.9	1647.4	1697.7	1759.9	1822.2	1870.3	1918.5	1964.7	2010.8
1722.4	62.5°	1626.8	1531.4	1563.4	1595.4	1667.9	1740.6	1792.0	1843.3	1885.6	1927.9
1664.7	65°	1563.1	1461.4	1473.8	1486.0	1563.7	1641.6	1690.7	1739.8	1777.1	1814.3
1561.6	67.5°	1477.0	1392.5	1388.6	1384.7	1456.5	1528.4	1575.0	1621.5	1653.6	1685.8
1430.9	70°	1370.7	1310.6	1297.2	1283.8	1346.9	1410.0	1450.2	1490.4	1519.5	1548.5
1285.3	72.5°	1244.0	1202.8	1183.1	1163.6	1213.3	1262.9	1299.3	1335.6	1364.0	1392.5
1120.0	75°	1088.3	1056.4	1037.7	1018.7	1055.7	1092.6	1125.5	1158.4	1184.3	1210.2
954.4	77.5°	929.0	903.5	884.4	865.4	895.5	925.4	953.7	982.0	1009.2	1036.3
765.6	80°	744.3	722.9	707.0	690.9	715.9	740.8	764.6	788.4	809.1	829.6
563.1	82.5°	552.7	542.3	531.0	519.6	517.6	515.5	507.1	498.8	542.9	586.9
370.7	85°	359.6	348.4	335.8	323.1	312.4	301.5	278.4	255.4	296.6	338.0
163.8	87.5°	159.3	154.9	152.5	150.1	149.6	149.2	131.6	113.9	131.2	148.6
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°
3880.2	0°	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2
3592.1	2.5°	3578.0	3566.9	3555.9	3545.8	3535.5	3522.9	3535.5	3545.8	3555.9	3566.9
3379.8	5°	3360.3	3346.4	3332.6	3322.0	3311.4	3301.0	3311.4	3322.0	3332.6	3346.4
3252.5	7.5°	3229.2	3213.3	3197.5	3188.0	3178.6	3171.5	3178.6	3188.0	3197.5	3213.3
3215.8	10°	3189.6	3174.6	3159.6	3151.5	3143.5	3140.2	3143.5	3151.5	3159.6	3174.6
3281.7	12.5°	3248.2	3231.3	3214.7	3207.8	3201.0	3199.8	3201.0	3207.8	3214.7	3231.3
3420.1	15°	3369.2	3345.8	3322.6	3313.7	3304.7	3304.0	3304.7	3313.7	3322.6	3345.8
3560.7	17.5°	3485.6	3451.1	3416.4	3405.1	3393.6	3391.8	3393.6	3405.1	3416.4	3451.1
3648.2	20°	3556.4	3512.1	3467.8	3453.6	3439.5	3435.0	3439.5	3453.6	3467.8	3512.1
3653.7	22.5°	3558.9	3512.3	3465.5	3449.9	3434.3	3427.6	3434.3	3449.9	3465.5	3512.3
3570.8	25°	3486.8	3446.3	3406.0	3391.2	3376.7	3368.0	3376.7	3391.2	3406.0	3446.3
3411.0	27.5°	3345.7	3318.6	3291.3	3284.6	3277.9	3275.7	3277.9	3284.6	3291.3	3318.6
3218.8	30°	3171.8	3157.9	3143.9	3143.9	3143.9	3146.2	3143.9	3143.9	3143.9	3157.9
3034.6	32.5°	2997.3	2988.2	2979.1	2980.3	2981.6	2983.9	2981.6	2980.3	2979.1	2988.2
2877.6	35°	2843.2	2829.3	2815.6	2812.6	2809.7	2808.2	2809.7	2812.6	2815.6	2829.3
2744.0	37.5°	2712.1	2687.0	2662.0	2648.7	2635.5	2628.0	2635.5	2648.7	2662.0	2687.0
2618.9	40°	2592.0	2555.3	2519.0	2494.3	2469.9	2455.3	2469.9	2494.3	2519.0	2555.3
2492.8	42.5°	2470.2	2424.8	2379.4	2343.5	2307.6	2284.1	2307.6	2343.5	2379.4	2424.8
2370.7	45°	2350.3	2298.4	2246.5	2204.4	2162.3	2135.2	2162.3	2204.4	2246.5	2298.4
2269.8	47.5°	2255.5	2209.3	2163.2	2124.1	2085.3	2059.2	2085.3	2124.1	2163.2	2209.3
2199.5	50°	2198.9	2162.0	2125.0	2089.0	2053.0	2028.0	2053.0	2089.0	2125.0	2162.0
2153.0	52.5°	2160.8	2130.7	2100.6	2068.3	2036.1	2013.1	2036.1	2068.3	2100.6	2130.7
2114.3	55°	2125.0	2098.8	2072.6	2044.3	2016.0	1995.2	2016.0	2044.3	2072.6	2098.8
2076.3	57.5°	2087.2	2060.7	2034.2	2006.2	1978.1	1956.5	1978.1	2006.2	2034.2	2060.7
2022.7	60°	2034.7	2008.7	1983.0	1954.1	1925.2	1902.9	1925.2	1954.1	1983.0	2008.7
1939.4	62.5°	1950.8	1927.5	1904.1	1873.7	1843.3	1816.5	1843.3	1873.7	1904.1	1927.5
1826.1	65°	1837.7	1815.2	1792.7	1763.2	1733.9	1710.8	1733.9	1763.2	1792.7	1815.2
1697.3	67.5°	1708.6	1687.9	1667.3	1639.9	1612.5	1591.7	1612.5	1639.9	1667.3	1687.9
1559.5	70°	1570.6	1553.7	1536.9	1510.7	1484.5	1460.7	1484.5	1510.7	1536.9	1553.7
1405.6	72.5°	1418.7	1404.7	1390.7	1365.7	1340.8	1317.7	1340.8	1365.7	1390.7	1404.7
1223.9	75°	1237.6	1230.8	1223.9	1202.9	1181.9	1159.9	1181.9	1202.9	1223.9	1230.8
1049.1	77.5°	1061.9	1052.4	1042.6	1021.4	1000.3	982.7	1000.3	1021.4	1042.6	1052.4
846.6	80°	863.6	859.4	855.4	827.0	798.4	765.3	798.4	827.0	855.4	859.4
615.8	82.5°	644.7	642.9	641.0	617.0	592.9	571.8	592.9	617.0	641.0	642.9
373.7	85°	409.5	406.5	403.5	384.7	366.0	346.9	366.0	384.7	403.5	406.5
163.0	87.5°	177.5	173.9	170.0	160.5	150.7	141.5	150.7	160.5	170.0	173.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3880.2	0°	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2
3578.0	2.5°	3592.1	3606.3	3623.8	3641.2	3663.7	3686.4	3708.8	3731.3	3756.9	3782.7
3360.3	5°	3379.8	3399.3	3427.3	3455.1	3491.5	3527.6	3567.5	3607.4	3652.6	3697.8
3229.2	7.5°	3252.5	3275.7	3308.8	3342.0	3386.2	3430.6	3480.9	3531.1	3590.6	3650.2
3189.6	10°	3215.8	3241.8	3281.5	3321.1	3371.0	3420.9	3475.1	3529.1	3588.7	3648.2
3248.2	12.5°	3281.7	3315.2	3365.8	3416.4	3467.9	3519.6	3561.9	3604.5	3643.8	3683.4
3369.2	15°	3420.1	3471.1	3543.1	3615.2	3660.0	3704.8	3715.8	3726.9	3721.5	3716.1
3485.6	17.5°	3560.7	3635.7	3731.2	3826.6	3862.6	3898.8	3864.4	3829.9	3765.0	3700.1
3556.4	20°	3648.2	3740.3	3849.2	3958.4	3975.2	3991.9	3919.7	3847.5	3734.6	3621.9
3558.9	22.5°	3653.7	3748.4	3852.7	3956.9	3946.9	3936.8	3842.8	3748.9	3619.9	3491.3
3486.8	25°	3570.8	3655.1	3740.4	3825.9	3791.5	3756.9	3664.5	3572.0	3456.2	3340.5
3345.7	27.5°	3411.0	3476.4	3537.2	3598.1	3559.5	3521.1	3446.9	3372.8	3277.8	3182.6
3171.8	30°	3218.8	3265.6	3312.0	3358.3	3327.1	3295.8	3234.2	3172.7	3093.8	3014.8
2997.3	32.5°	3034.6	3072.0	3114.7	3157.3	3122.5	3087.8	3028.7	2969.7	2906.6	2843.6
2843.2	35°	2877.6	2912.1	2942.3	2972.7	2931.0	2889.3	2830.8	2772.4	2724.5	2676.4
2712.1	37.5°	2744.0	2775.7	2789.7	2803.7	2752.2	2700.7	2642.3	2584.1	2549.7	2515.1
2592.0	40°	2618.9	2645.9	2642.6	2639.2	2579.8	2520.5	2464.2	2407.9	2383.1	2358.2
2470.2	42.5°	2492.8	2515.6	2498.5	2481.3	2417.3	2353.3	2299.8	2246.5	2226.1	2205.9
2350.3	45°	2370.7	2391.3	2366.7	2342.1	2275.7	2209.3	2158.7	2108.1	2090.8	2073.8
2255.5	47.5°	2269.8	2284.1	2255.8	2227.5	2162.0	2096.4	2047.0	1997.4	1981.5	1965.4
2198.9	50°	2199.5	2200.4	2164.0	2127.7	2069.1	2010.4	1963.8	1917.0	1891.9	1866.9
2160.8	52.5°	2153.0	2145.3	2102.3	2059.2	2004.4	1949.8	1907.1	1864.2	1826.7	1789.0
2125.0	55°	2114.3	2103.6	2057.9	2012.3	1964.5	1916.6	1870.4	1824.3	1771.0	1717.5
2087.2	57.5°	2076.3	2065.5	2019.6	1973.6	1926.1	1878.8	1824.6	1770.4	1712.9	1655.4
2034.7	60°	2022.7	2010.8	1964.7	1918.5	1870.3	1822.2	1759.9	1697.7	1647.4	1596.9
1950.8	62.5°	1939.4	1927.9	1885.6	1843.3	1792.0	1740.6	1667.9	1595.4	1563.4	1531.4
1837.7	65°	1826.1	1814.3	1777.1	1739.8	1690.7	1641.6	1563.7	1486.0	1473.8	1461.4
1708.6	67.5°	1697.3	1685.8	1653.6	1621.5	1575.0	1528.4	1456.5	1384.7	1388.6	1392.5
1570.6	70°	1559.5	1548.5	1519.5	1490.4	1450.2	1410.0	1346.9	1283.8	1297.2	1310.6
1418.7	72.5°	1405.6	1392.5	1364.0	1335.6	1299.3	1262.9	1213.3	1163.6	1183.1	1202.8
1237.6	75°	1223.9	1210.2	1184.3	1158.4	1125.5	1092.6	1055.7	1018.7	1037.7	1056.4
1061.9	77.5°	1049.1	1036.3	1009.2	982.0	953.7	925.4	895.5	865.4	884.4	903.5
863.6	80°	846.6	829.6	809.1	788.4	764.6	740.8	715.9	690.9	707.0	722.9
644.7	82.5°	615.8	586.9	542.9	498.8	507.1	515.5	517.6	519.6	531.0	542.3
409.5	85°	373.7	338.0	296.6	255.4	278.4	301.5	312.4	323.1	335.8	348.4
177.5	87.5°	163.0	148.6	131.2	113.9	131.6	149.2	149.6	150.1	152.5	154.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3880.2	0°	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2
3811.1	2.5°	3839.7	3875.0	3906.7	3939.5	3972.2	4006.5	4040.7	4074.7	4108.8	4140.8
3751.9	5°	3805.8	3867.6	3930.1	3996.4	4062.6	4133.5	4204.5	4274.9	4345.5	4416.2
3721.8	7.5°	3793.6	3873.5	3958.8	4051.3	4143.8	4248.7	4353.7	4461.5	4569.3	4685.9
3723.9	10°	3799.5	3885.4	3990.7	4100.3	4209.6	4337.2	4464.6	4607.0	4749.5	4897.0
3745.0	12.5°	3807.0	3886.9	3997.5	4121.3	4245.0	4395.4	4545.8	4707.2	4868.6	5030.6
3745.6	15°	3775.2	3839.3	3961.8	4105.1	4248.3	4421.5	4594.6	4769.7	4944.8	5113.8
3689.3	17.5°	3678.5	3717.9	3862.1	4034.3	4206.6	4407.6	4608.6	4799.6	4990.7	5162.1
3571.3	20°	3520.6	3531.1	3698.9	3912.4	4125.9	4369.5	4613.1	4823.0	5033.0	5211.2
3416.4	22.5°	3341.5	3321.1	3512.1	3769.3	4026.4	4322.7	4619.0	4854.6	5090.0	5272.1
3254.1	25°	3167.8	3112.7	3308.5	3609.5	3910.7	4276.6	4642.6	4911.8	5180.8	5359.0
3099.3	27.5°	3015.9	2948.9	3127.1	3463.5	3799.8	4245.8	4691.7	5001.1	5310.4	5480.5
2948.4	30°	2882.3	2829.8	2979.4	3341.4	3703.3	4231.3	4759.0	5116.8	5474.6	5638.8
2804.4	32.5°	2765.3	2741.9	2862.5	3236.1	3609.5	4213.4	4817.1	5237.5	5658.0	5820.6
2665.5	35°	2654.8	2664.5	2765.0	3132.6	3500.2	4179.8	4859.7	5375.1	5890.6	6046.5
2527.1	37.5°	2539.0	2574.4	2662.3	3010.8	3359.4	4122.2	4885.0	5529.2	6173.5	6372.1
2385.2	40°	2412.1	2466.5	2546.1	2865.5	3184.9	4042.8	4900.9	5724.9	6548.7	6838.2
2241.6	42.5°	2277.4	2345.8	2419.3	2705.1	2991.0	3960.9	4931.1	5980.8	7030.6	7448.4
2108.5	45°	2143.4	2209.6	2284.1	2534.8	2785.5	3884.8	4984.3	6317.6	7651.0	8214.6
1994.6	47.5°	2023.8	2080.8	2176.9	2400.0	2623.2	3822.0	5020.8	6676.5	8332.2	9125.5
1892.6	50°	1918.5	1984.8	2111.0	2310.6	2510.1	3753.5	4996.9	7009.4	9021.9	10217.8
1814.4	52.5°	1840.1	1932.7	2077.8	2251.6	2425.5	3637.8	4850.3	7225.6	9600.8	11365.2
1757.9	55°	1798.4	1937.9	2072.9	2208.9	2344.8	3446.0	4547.3	7178.0	9808.5	12382.5
1714.4	57.5°	1773.3	1943.1	2062.2	2158.2	2254.3	3175.6	4096.9	6842.6	9588.6	13103.4
1673.4	60°	1749.8	1926.7	2005.3	2080.8	2156.3	2824.5	3492.8	6218.6	8944.5	13283.6
1626.8	62.5°	1722.4	1886.5	1896.2	1946.2	1996.4	2404.4	2812.3	5374.8	7937.3	12524.9
1563.1	65°	1664.7	1789.7	1788.5	1812.2	1835.9	2026.3	2216.8	4513.9	6811.2	11451.6
1477.0	67.5°	1561.6	1631.9	1635.2	1622.1	1608.8	1663.0	1717.1	3670.6	5624.1	10174.2
1370.7	70°	1430.9	1454.0	1454.0	1392.8	1331.4	1316.1	1300.6	2890.1	4479.5	8780.4
1244.0	72.5°	1285.3	1285.0	1270.4	1183.6	1096.6	1049.9	1003.3	2209.5	3415.7	7269.4
1088.3	75°	1120.0	1125.7	1058.3	961.0	863.6	821.3	779.0	1603.6	2428.2	5537.3
929.0	77.5°	954.4	957.4	846.5	751.9	657.4	628.5	599.8	1086.6	1573.5	3875.6
744.3	80°	765.6	766.1	633.6	553.6	473.5	461.6	449.7	700.1	950.7	2497.0
552.7	82.5°	563.1	556.9	443.7	384.7	325.8	323.4	321.3	430.6	540.2	1445.2
359.6	85°	370.7	362.6	278.4	235.3	192.1	193.3	194.3	230.2	266.2	650.1
159.3	87.5°	163.8	153.4	118.4	100.7	83.1	84.1	85.2	95.4	105.7	212.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3880.2	0°	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2
4172.8	2.5°	4188.6	4204.5	4227.0	4249.5	4262.9	4276.3	4283.0	4289.7	4286.7	4289.7
4487.0	5°	4542.2	4597.6	4652.4	4707.3	4737.1	4766.9	4784.9	4803.1	4816.8	4803.1
4802.6	7.5°	4892.6	4982.3	5063.2	5144.0	5192.7	5241.4	5267.8	5294.0	5306.6	5294.0
5044.6	10°	5150.9	5257.2	5352.1	5446.9	5504.4	5561.5	5587.2	5612.6	5622.3	5612.6
5192.7	12.5°	5308.0	5423.1	5508.8	5594.3	5636.0	5677.7	5691.7	5705.7	5707.2	5705.7
5282.8	15°	5382.3	5481.6	5535.3	5589.2	5590.7	5592.2	5577.3	5562.4	5544.9	5562.4
5333.4	17.5°	5400.6	5467.7	5468.8	5469.7	5409.4	5349.1	5293.8	5238.4	5199.4	5238.4
5389.3	20°	5412.7	5436.2	5365.5	5294.7	5161.6	5028.5	4931.6	4834.6	4775.1	4834.6
5454.0	22.5°	5423.4	5392.7	5246.2	5099.7	4903.9	4708.1	4586.9	4465.7	4399.9	4465.7
5537.4	25°	5440.6	5343.9	5121.4	4899.0	4661.2	4423.4	4295.9	4168.8	4106.5	4168.8
5650.6	27.5°	5477.6	5304.4	5009.7	4715.2	4451.7	4188.1	4062.8	3937.5	3878.7	3937.5
5803.2	30°	5545.2	5287.3	4924.6	4561.9	4287.3	4012.7	3896.4	3780.2	3725.4	3780.2
5983.4	32.5°	5630.0	5276.9	4866.5	4456.1	4198.1	3940.1	3848.8	3757.4	3717.9	3757.4
6202.2	35°	5769.9	5337.6	4910.0	4482.5	4303.2	4124.1	4102.8	4081.5	4078.2	4081.5
6570.8	37.5°	6062.1	5553.5	5164.9	4776.3	4764.7	4753.0	4850.4	4947.8	4998.4	4947.8
7127.6	40°	6574.5	6021.3	5732.3	5443.3	5647.3	5851.3	6088.0	6324.8	6442.7	6324.8
7866.2	42.5°	7317.3	6768.5	6602.0	6435.6	6880.5	7325.4	7756.0	8186.6	8439.4	8186.6
8778.1	45°	8285.1	7792.0	7718.6	7645.0	8357.8	9070.7	9778.3	10486.0	10915.5	10486.0
9918.7	47.5°	9439.1	8959.3	8944.5	8929.6	9957.8	10985.8	12021.7	13057.4	13665.6	13057.4
11413.6	50°	10821.1	10228.8	10231.4	10233.9	11559.1	12884.2	14251.5	15618.8	16445.5	15618.8
13129.6	52.5°	12412.2	11695.0	11622.5	11549.8	13132.7	14715.6	16407.4	18099.0	19089.9	18099.0
14956.6	55°	14247.8	13539.1	13256.3	12973.6	14735.3	16496.9	18513.7	20530.5	21709.0	20530.5
16618.2	57.5°	16232.3	15846.2	15279.1	14712.1	16490.9	18269.8	20554.1	22838.3	24299.8	22838.3
17622.5	60°	18222.0	18821.6	18117.3	17413.0	19096.4	20779.9	23225.6	25671.4	27250.9	25671.4
17112.6	62.5°	18750.6	20388.6	20309.2	20229.7	21771.8	23314.1	25641.0	27967.8	29427.7	27967.8
16091.9	65°	17629.2	19166.6	19470.8	19774.8	21734.6	23694.5	25950.9	28207.1	29450.1	28207.1
14724.3	67.5°	16186.4	17648.6	17791.2	17933.7	19975.7	22017.5	24283.5	26549.6	27523.3	26549.6
13081.2	70°	14671.6	16262.1	16325.8	16389.7	18215.7	20041.6	21991.7	23941.7	24482.9	23941.7
11123.2	72.5°	12948.3	14773.4	14819.3	14865.0	16293.6	17722.3	19182.8	20643.2	20698.0	20643.2
8646.4	75°	10535.3	12424.1	12593.7	12763.3	13874.8	14986.3	16014.5	17042.6	16767.1	17042.6
6177.7	77.5°	7940.9	9704.3	9947.0	10189.7	11034.6	11879.6	12608.8	13338.1	12864.6	13338.1
4043.3	80°	5526.7	7010.0	7311.7	7613.3	8251.5	8889.4	9272.3	9655.1	8893.5	9655.1
2350.3	82.5°	3364.4	4378.7	4715.7	5052.8	5492.0	5931.3	6091.0	6250.6	5652.1	6250.6
1034.1	85°	1572.3	2110.6	2397.2	2683.8	3044.8	3405.5	3496.2	3586.9	3107.5	3586.9
320.1	87.5°	501.0	681.9	841.9	1001.8	1182.2	1362.7	1370.4	1378.0	1156.9	1378.0
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°
3880.2	0°	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2	3880.2
4283.0	2.5°	4276.3	4262.9	4249.5	4227.0	4204.5	4188.6	4172.8
4784.9	5°	4766.9	4737.1	4707.3	4652.4	4597.6	4542.2	4487.0
5267.8	7.5°	5241.4	5192.7	5144.0	5063.2	4982.3	4892.6	4802.6
5587.2	10°	5561.5	5504.4	5446.9	5352.1	5257.2	5150.9	5044.6
5691.7	12.5°	5677.7	5636.0	5594.3	5508.8	5423.1	5308.0	5192.7
5577.3	15°	5592.2	5590.7	5589.2	5535.3	5481.6	5382.3	5282.8
5293.8	17.5°	5349.1	5409.4	5469.7	5468.8	5467.7	5400.6	5333.4
4931.6	20°	5028.5	5161.6	5294.7	5365.5	5436.2	5412.7	5389.3
4586.9	22.5°	4708.1	4903.9	5099.7	5246.2	5392.7	5423.4	5454.0
4295.9	25°	4423.4	4661.2	4899.0	5121.4	5343.9	5440.6	5537.4
4062.8	27.5°	4188.1	4451.7	4715.2	5009.7	5304.4	5477.6	5650.6
3896.4	30°	4012.7	4287.3	4561.9	4924.6	5287.3	5545.2	5803.2
3848.8	32.5°	3940.1	4198.1	4456.1	4866.5	5276.9	5630.0	5983.4
4102.8	35°	4124.1	4303.2	4482.5	4910.0	5337.6	5769.9	6202.2
4850.4	37.5°	4753.0	4764.7	4776.3	5164.9	5553.5	6062.1	6570.8
6088.0	40°	5851.3	5647.3	5443.3	5732.3	6021.3	6574.5	7127.6
7756.0	42.5°	7325.4	6880.5	6435.6	6602.0	6768.5	7317.3	7866.2
9778.3	45°	9070.7	8357.8	7645.0	7718.6	7792.0	8285.1	8778.1
12021.7	47.5°	10985.8	9957.8	8929.6	8944.5	8959.3	9439.1	9918.7
14251.5	50°	12884.2	11559.1	10233.9	10231.4	10228.8	10821.1	11413.6
16407.4	52.5°	14715.6	13132.7	11549.8	11622.5	11695.0	12412.2	13129.6
18513.7	55°	16496.9	14735.3	12973.6	13256.3	13539.1	14247.8	14956.6
20554.1	57.5°	18269.8	16490.9	14712.1	15279.1	15846.2	16232.3	16618.2
23225.6	60°	20779.9	19096.4	17413.0	18117.3	18821.6	18222.0	17622.5
25641.0	62.5°	23314.1	21771.8	20229.7	20309.2	20388.6	18750.6	17112.6
25950.9	65°	23694.5	21734.6	19774.8	19470.8	19166.6	17629.2	16091.9
24283.5	67.5°	22017.5	19975.7	17933.7	17791.2	17648.6	16186.4	14724.3
21991.7	70°	20041.6	18215.7	16389.7	16325.8	16262.1	14671.6	13081.2
19182.8	72.5°	17722.3	16293.6	14865.0	14819.3	14773.4	12948.3	11123.2
16014.5	75°	14986.3	13874.8	12763.3	12593.7	12424.1	10535.3	8646.4
12608.8	77.5°	11879.6	11034.6	10189.7	9947.0	9704.3	7940.9	6177.7
9272.3	80°	8889.4	8251.5	7613.3	7311.7	7010.0	5526.7	4043.3
6091.0	82.5°	5931.3	5492.0	5052.8	4715.7	4378.7	3364.4	2350.3
3496.2	85°	3405.5	3044.8	2683.8	2397.2	2110.6	1572.3	1034.1
1370.4	87.5°	1362.7	1182.2	1001.8	841.9	681.9	501.0	320.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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