

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: P948851

Luminaire Tested: **GALN-SB3D-740-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948851
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-740-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32186 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

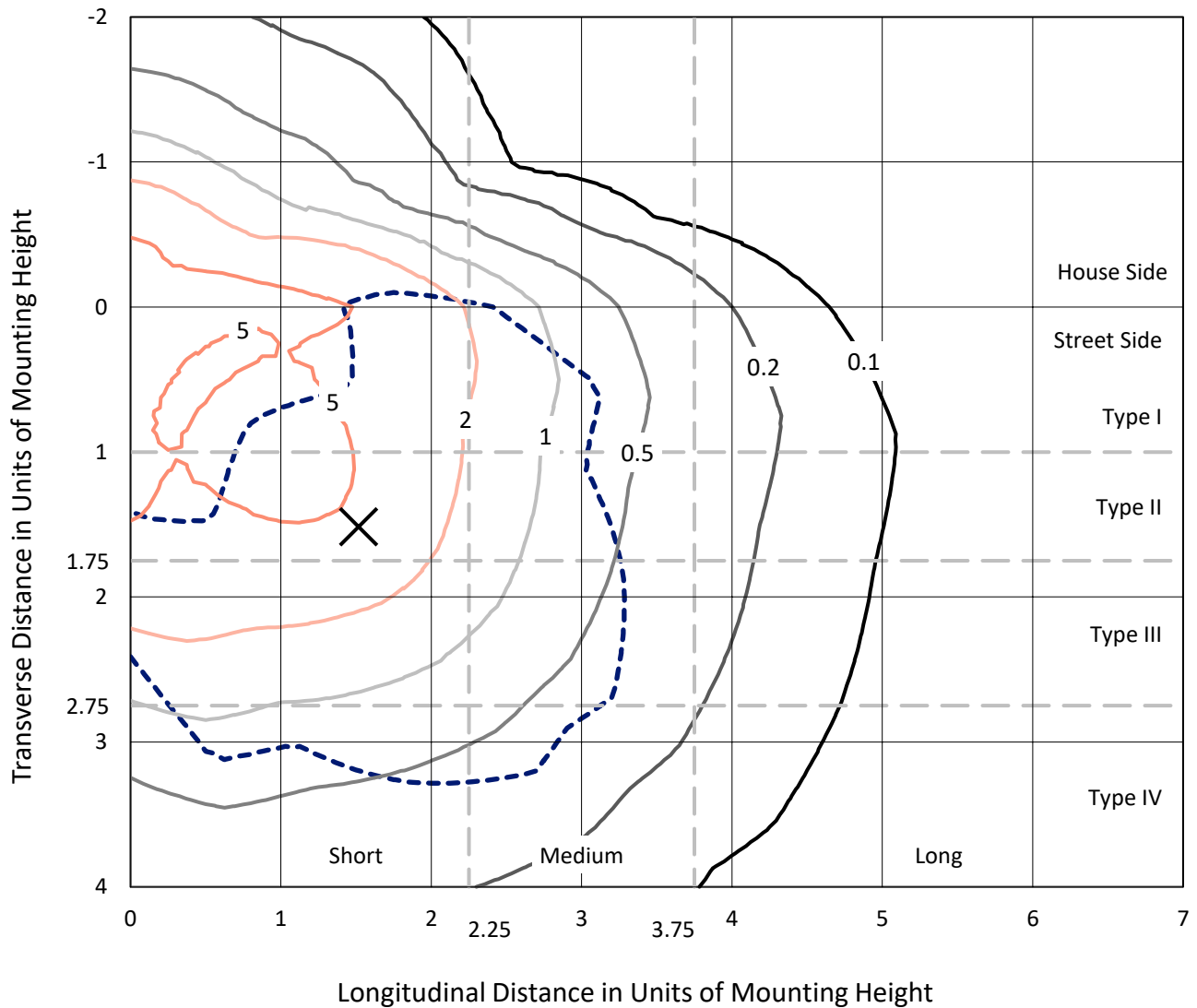
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

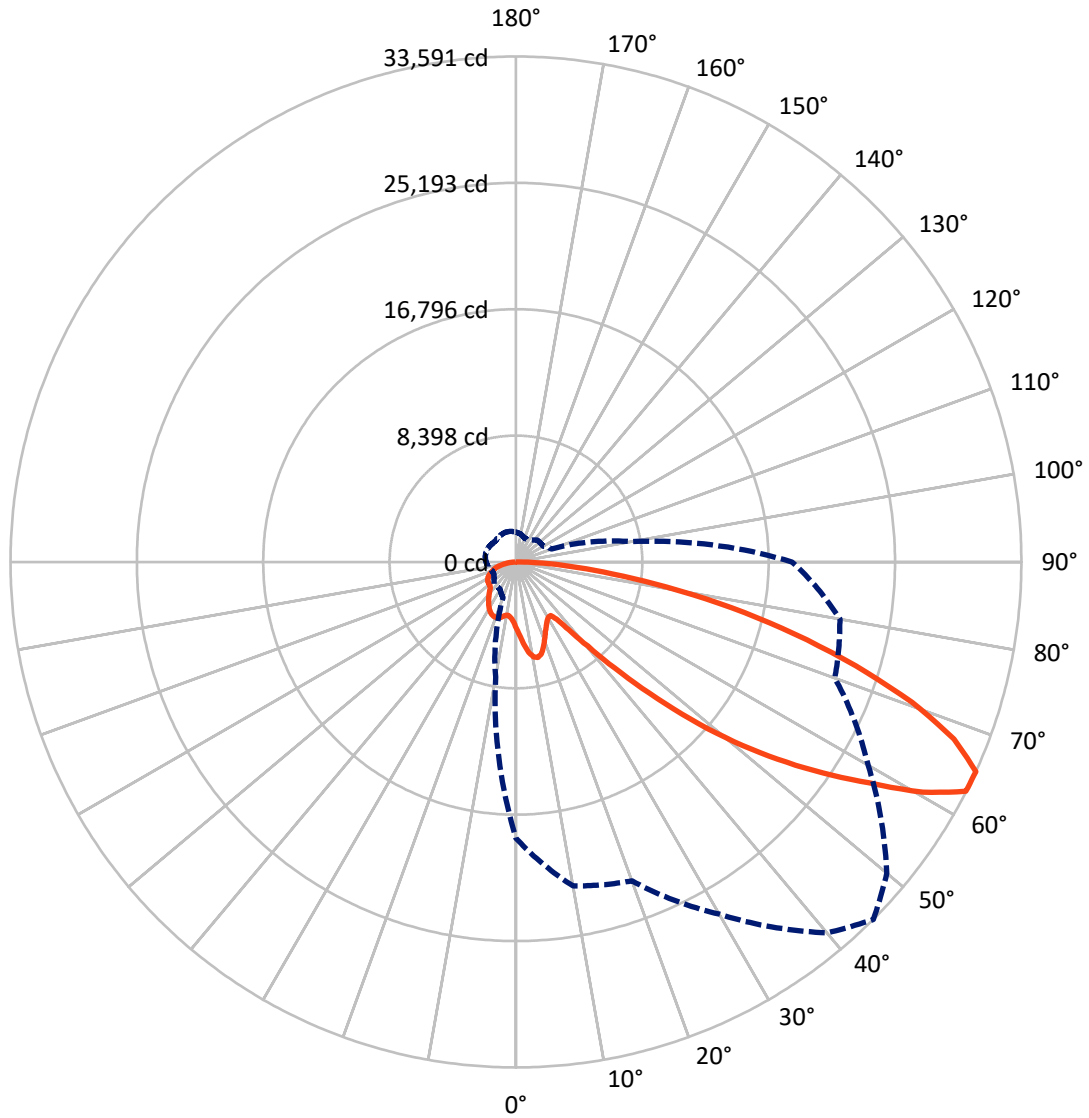
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	8180.1	0.0	8180.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	24005.9	0.0	24005.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	32186.0	0.0	32186.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.0	1.4
10°-20°	1378.2	4.3
20°-30°	2128.9	6.6
30°-40°	2697.9	8.4
40°-50°	4069.0	12.6
50°-60°	6574.2	20.4
60°-70°	8195.7	25.5
70°-80°	5374.3	16.7
80°-90°	1328.7	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°	32186.0	100.0
0°-180°	32186.0	100.0



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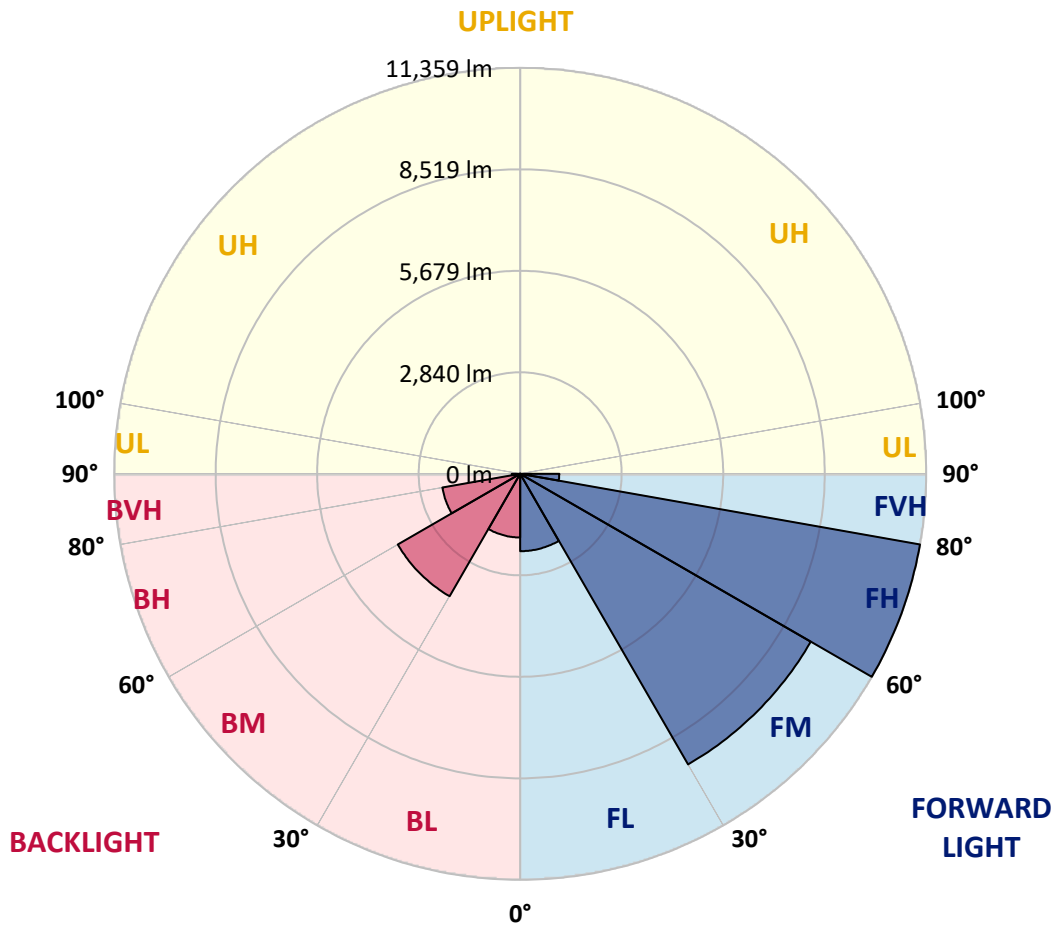
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2164.9	6.7			
FM (30°-60°)	9388.0	29.2			
FH (60°-80°)	11358.6	35.3			G4/12000
FVH (80°-90°)	1094.5	3.4			G5
BL (0°-30°)	1781.3	5.5	B3/2500		
BM (30°-60°)	3953.1	12.3	B3/5000		
BH (60°-80°)	2211.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	234.1	0.7			G3/500
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°	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9
2.5°	4759.6	4777.6	4795.7	4821.4	4847.0	4862.3	4877.6	4885.3	4892.9	4889.5
5°	5117.9	5180.9	5244.1	5306.6	5369.3	5403.2	5437.2	5457.8	5478.5	5494.1
7.5°	5478.0	5580.5	5683.0	5775.2	5867.4	5922.9	5978.5	6008.5	6038.4	6052.9
10°	5753.9	5875.2	5996.5	6104.7	6212.8	6278.4	6343.6	6372.8	6401.9	6412.9
12.5°	5922.9	6054.4	6185.7	6283.5	6381.0	6428.5	6476.1	6492.0	6508.0	6509.7
15°	6025.7	6139.1	6252.4	6313.7	6375.2	6376.9	6378.6	6361.6	6344.6	6324.6
17.5°	6083.4	6160.0	6236.6	6237.8	6238.8	6170.0	6101.3	6038.2	5975.1	5930.6
20°	6147.1	6173.8	6200.6	6119.9	6039.3	5887.4	5735.6	5625.0	5514.5	5446.5
22.5°	6221.0	6186.0	6151.0	5983.9	5816.8	5593.5	5370.1	5231.9	5093.6	5018.6
25°	6316.1	6205.7	6095.3	5841.6	5587.9	5316.6	5045.4	4900.0	4755.0	4684.0
27.5°	6445.2	6247.8	6050.3	5714.2	5378.3	5077.7	4777.1	4634.1	4491.2	4424.2
30°	6619.2	6324.9	6030.8	5617.1	5203.3	4890.2	4577.0	4444.4	4311.7	4249.2
32.5°	6824.7	6421.7	6018.9	5550.8	5082.8	4788.4	4494.1	4390.0	4285.7	4240.7
35°	7074.4	6581.2	6088.2	5600.4	5112.8	4908.3	4704.0	4679.8	4655.5	4651.7
37.5°	7494.7	6914.6	6334.4	5891.2	5447.9	5434.7	5421.4	5532.5	5643.6	5701.3
40°	8129.9	7499.0	6868.1	6538.4	6208.8	6441.4	6674.1	6944.1	7214.2	7348.7
42.5°	8972.3	8346.3	7720.3	7530.4	7340.5	7848.0	8355.5	8846.6	9337.8	9626.1
45°	10012.5	9450.2	8887.7	8804.0	8720.1	9533.1	10346.2	11153.3	11960.5	12450.5
47.5°	11313.4	10766.4	10219.2	10202.2	10185.2	11358.1	12530.6	13712.2	14893.5	15587.3
50°	13018.6	12342.8	11667.2	11670.1	11673.0	13184.5	14696.0	16255.6	17815.2	18758.1
52.5°	14975.9	14157.6	13339.5	13256.8	13174.0	14979.5	16785.0	18714.6	20644.1	21774.3
55°	17059.7	16251.3	15442.9	15120.4	14797.9	16807.4	18816.7	21117.1	23417.4	24761.7
57.5°	18955.1	18514.9	18074.5	17427.6	16780.9	18809.9	20838.9	23444.4	26049.9	27716.8
60°	20100.6	20784.4	21468.3	20665.0	19861.6	21781.8	23701.9	26491.6	29281.3	31082.9
62.5°	19518.9	21387.3	23255.6	23165.1	23074.4	24833.3	26592.5	29246.6	31900.6	33565.8
65°	18354.7	20108.2	21861.8	22208.7	22555.5	24790.9	27026.4	29600.1	32173.5	33591.3
67.5°	16794.8	18462.6	20130.3	20293.0	20455.6	22784.6	25113.6	27698.3	30283.0	31393.7
70°	14920.7	16734.7	18548.8	18621.5	18694.4	20777.2	22859.9	25084.2	27308.3	27925.7
72.5°	12687.4	14769.0	16850.8	16903.2	16955.3	18584.8	20214.4	21880.3	23546.0	23608.5
75°	9862.2	12016.7	14171.2	14364.7	14558.1	15825.9	17093.7	18266.4	19439.1	19124.9
77.5°	7046.4	9057.5	11068.9	11345.7	11622.5	12586.3	13550.1	14381.8	15213.7	14673.6
80°	4611.8	6303.9	7995.7	8339.8	8683.9	9411.8	10139.4	10576.2	11012.8	10144.1
82.5°	2680.8	3837.6	4994.5	5378.8	5763.3	6264.3	6765.3	6947.5	7129.6	6446.9
85°	1179.5	1793.4	2407.4	2734.3	3061.2	3472.9	3884.4	3987.9	4091.3	3544.4
87.5°	365.1	571.5	777.8	960.2	1142.6	1348.5	1554.3	1563.1	1571.8	1319.6
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°
4425.9	0°	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9
4892.9	2.5°	4885.3	4877.6	4862.3	4847.0	4821.4	4795.7	4777.6	4759.6	4723.1	4686.5
5478.5	5°	5457.8	5437.2	5403.2	5369.3	5306.6	5244.1	5180.9	5117.9	5037.3	4956.6
6038.4	7.5°	6008.5	5978.5	5922.9	5867.4	5775.2	5683.0	5580.5	5478.0	5344.8	5211.8
6401.9	10°	6372.8	6343.6	6278.4	6212.8	6104.7	5996.5	5875.2	5753.9	5585.6	5417.3
6508.0	12.5°	6492.0	6476.1	6428.5	6381.0	6283.5	6185.7	6054.4	5922.9	5738.0	5553.2
6344.6	15°	6361.6	6378.6	6376.9	6375.2	6313.7	6252.4	6139.1	6025.7	5832.9	5640.2
5975.1	17.5°	6038.2	6101.3	6170.0	6238.8	6237.8	6236.6	6160.0	6083.4	5887.9	5692.5
5514.5	20°	5625.0	5735.6	5887.4	6039.3	6119.9	6200.6	6173.8	6147.1	5944.0	5740.7
5093.6	22.5°	5231.9	5370.1	5593.5	5816.8	5983.9	6151.0	6186.0	6221.0	6013.5	5805.7
4755.0	25°	4900.0	5045.4	5316.6	5587.9	5841.6	6095.3	6205.7	6316.1	6112.6	5909.3
4491.2	27.5°	4634.1	4777.1	5077.7	5378.3	5714.2	6050.3	6247.8	6445.2	6251.2	6057.1
4311.7	30°	4444.4	4577.0	4890.2	5203.3	5617.1	6030.8	6324.9	6619.2	6431.8	6244.4
4285.7	32.5°	4390.0	4494.1	4788.4	5082.8	5550.8	6018.9	6421.7	6824.7	6639.1	6453.7
4655.5	35°	4679.8	4704.0	4908.3	5112.8	5600.4	6088.2	6581.2	7074.4	6896.8	6718.9
5643.6	37.5°	5532.5	5421.4	5434.7	5447.9	5891.2	6334.4	6914.6	7494.7	7268.2	7041.6
7214.2	40°	6944.1	6674.1	6441.4	6208.8	6538.4	6868.1	7499.0	8129.9	7799.8	7469.6
9337.8	42.5°	8846.6	8355.5	7848.0	7340.5	7530.4	7720.3	8346.3	8972.3	8495.7	8019.2
11960.5	45°	11153.3	10346.2	9533.1	8720.1	8804.0	8887.7	9450.2	10012.5	9369.7	8726.9
14893.5	47.5°	13712.2	12530.6	11358.1	10185.2	10202.2	10219.2	10766.4	11313.4	10408.7	9503.9
17815.2	50°	16255.6	14696.0	13184.5	11673.0	11670.1	11667.2	12342.8	13018.6	11654.6	10290.5
20644.1	52.5°	18714.6	16785.0	14979.5	13174.0	13256.8	13339.5	14157.6	14975.9	12963.4	10950.8
23417.4	55°	21117.1	18816.7	16807.4	14797.9	15120.4	15442.9	16251.3	17059.7	14123.7	11187.8
26049.9	57.5°	23444.4	20838.9	18809.9	16780.9	17427.6	18074.5	18514.9	18955.1	14946.0	10936.9
29281.3	60°	26491.6	23701.9	21781.8	19861.6	20665.0	21468.3	20784.4	20100.6	15151.5	10202.2
31900.6	62.5°	29246.6	26592.5	24833.3	23074.4	23165.1	23255.6	21387.3	19518.9	14286.2	9053.5
32173.5	65°	29600.1	27026.4	24790.9	22555.5	22208.7	21861.8	20108.2	18354.7	13061.9	7769.0
30283.0	67.5°	27698.3	25113.6	22784.6	20455.6	20293.0	20130.3	18462.6	16794.8	11604.9	6414.9
27308.3	70°	25084.2	22859.9	20777.2	18694.4	18621.5	18548.8	16734.7	14920.7	10015.1	5109.4
23546.0	72.5°	21880.3	20214.4	18584.8	16955.3	16903.2	16850.8	14769.0	12687.4	8291.6	3896.0
19439.1	75°	18266.4	17093.7	15825.9	14558.1	14364.7	14171.2	12016.7	9862.2	6315.9	2769.6
15213.7	77.5°	14381.8	13550.1	12586.3	11622.5	11345.7	11068.9	9057.5	7046.4	4420.6	1794.8
11012.8	80°	10576.2	10139.4	9411.8	8683.9	8339.8	7995.7	6303.9	4611.8	2848.1	1084.4
7129.6	82.5°	6947.5	6765.3	6264.3	5763.3	5378.8	4994.5	3837.6	2680.8	1648.4	616.2
4091.3	85°	3987.9	3884.4	3472.9	3061.2	2734.3	2407.4	1793.4	1179.5	741.5	303.7
1571.8	87.5°	1563.1	1554.3	1348.5	1142.6	960.2	777.8	571.5	365.1	242.9	120.6
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°
4425.9	0°	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9
4647.7	2.5°	4608.9	4569.9	4530.8	4493.4	4456.1	4419.9	4379.7	4347.0	4314.6	4285.2
4876.1	5°	4795.7	4714.7	4633.9	4558.3	4482.7	4411.4	4340.9	4279.5	4217.8	4166.2
5088.9	7.5°	4965.9	4846.2	4726.5	4621.0	4515.5	4418.2	4327.0	4245.1	4163.5	4095.5
5254.8	10°	5092.4	4947.1	4801.5	4676.9	4551.9	4431.8	4333.8	4247.5	4161.3	4093.3
5369.1	12.5°	5185.0	5013.5	4841.9	4700.8	4559.7	4433.5	4342.3	4271.6	4201.3	4156.2
5440.4	15°	5240.7	5043.2	4845.7	4682.3	4518.9	4379.1	4306.1	4272.3	4238.7	4244.8
5474.6	17.5°	5256.7	5027.4	4798.1	4601.6	4405.1	4240.7	4195.7	4208.1	4220.4	4294.4
5501.2	20°	5261.8	4983.9	4706.1	4462.5	4219.0	4027.6	4015.7	4073.4	4131.2	4259.8
5537.2	22.5°	5268.6	4930.6	4592.6	4299.3	4006.0	3788.1	3811.4	3896.8	3982.2	4129.0
5602.5	25°	5295.4	4877.9	4460.7	4117.1	3773.7	3550.4	3613.2	3711.7	3810.2	3942.2
5704.4	27.5°	5351.4	4842.8	4334.1	3950.5	3566.8	3363.5	3440.0	3535.1	3630.2	3738.7
5836.3	30°	5428.2	4826.3	4224.1	3811.2	3398.4	3227.7	3287.6	3363.0	3438.8	3528.8
5974.1	32.5°	5494.4	4805.9	4117.1	3691.2	3265.0	3127.5	3154.1	3198.8	3243.5	3315.3
6131.0	35°	5543.0	4767.6	3992.4	3573.1	3153.8	3039.2	3028.1	3040.4	3052.8	3107.6
6306.8	37.5°	5571.9	4701.8	3831.8	3434.2	3036.6	2936.4	2896.0	2882.4	2868.8	2908.2
6529.9	40°	5590.1	4611.3	3632.7	3268.4	2904.1	2813.3	2751.3	2720.6	2689.8	2718.2
6821.9	42.5°	5624.5	4517.9	3411.6	3085.5	2759.4	2675.7	2597.6	2556.8	2516.1	2539.2
7206.0	45°	5685.2	4431.1	3177.2	2891.2	2605.2	2520.3	2444.7	2405.0	2365.4	2384.8
7615.3	47.5°	5726.8	4359.4	2992.1	2737.5	2483.0	2373.4	2308.4	2275.1	2241.8	2260.1
7995.1	50°	5699.6	4281.3	2863.0	2635.5	2407.9	2263.9	2188.3	2158.7	2129.4	2157.9
8241.7	52.5°	5532.3	4149.4	2766.6	2568.2	2370.0	2204.4	2098.8	2069.6	2040.5	2083.5
8187.3	55°	5186.7	3930.6	2674.5	2519.5	2364.4	2210.4	2051.2	2005.1	1959.0	2020.0
7804.9	57.5°	4673.0	3622.2	2571.3	2461.7	2352.2	2216.3	2022.7	1955.5	1888.2	1953.8
7093.1	60°	3983.9	3221.7	2459.5	2373.4	2287.3	2197.6	1995.9	1908.8	1821.5	1879.0
6130.6	62.5°	3207.8	2742.5	2277.1	2219.9	2162.8	2151.8	1964.6	1855.6	1746.7	1783.2
5148.7	65°	2528.5	2311.3	2094.0	2067.0	2040.0	2041.4	1898.7	1782.9	1666.9	1681.0
4186.7	67.5°	1958.5	1896.9	1835.0	1850.2	1865.1	1861.4	1781.2	1684.7	1588.3	1583.9
3296.5	70°	1483.5	1501.2	1518.6	1588.6	1658.4	1658.4	1632.1	1563.5	1494.9	1479.6
2520.2	72.5°	1144.3	1197.5	1250.8	1350.0	1449.0	1465.7	1466.0	1419.0	1371.9	1349.5
1829.1	75°	888.6	936.8	985.0	1096.1	1207.2	1283.9	1277.5	1241.3	1205.0	1183.6
1239.4	77.5°	684.1	716.9	749.8	857.7	965.5	1092.0	1088.6	1059.6	1030.5	1008.8
798.6	80°	512.9	526.5	540.1	631.4	722.6	873.8	873.3	849.0	824.5	806.4
491.2	82.5°	366.5	368.9	371.6	438.8	506.1	635.2	642.3	630.4	618.5	605.6
262.6	85°	221.6	220.4	219.1	268.3	317.6	413.5	422.9	410.1	397.4	383.0
108.9	87.5°	97.1	96.0	94.8	114.8	135.0	174.9	186.8	181.7	176.6	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°
4425.9	0°	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9
4256.0	2.5°	4230.4	4204.7	4178.9	4153.3	4133.4	4113.4	4097.2	4081.1	4068.5	4056.0
4114.7	5°	4069.2	4023.7	3982.4	3941.0	3909.2	3877.3	3855.0	3832.8	3817.0	3801.2
4027.6	7.5°	3970.4	3913.0	3862.3	3811.9	3774.0	3736.3	3709.8	3683.3	3665.2	3647.2
4025.4	10°	3963.7	3901.9	3845.0	3788.1	3743.0	3697.6	3668.1	3638.2	3621.0	3603.9
4111.3	12.5°	4062.7	4014.5	3955.6	3896.8	3839.1	3781.3	3743.1	3704.9	3685.7	3666.7
4250.9	15°	4238.4	4225.8	4174.7	4123.5	4041.3	3959.2	3901.1	3843.0	3816.3	3789.8
4368.4	17.5°	4407.8	4447.1	4405.8	4364.7	4255.8	4147.0	4061.4	3975.8	3936.4	3896.8
4388.5	20°	4470.9	4553.2	4534.2	4515.0	4390.5	4266.2	4161.3	4056.5	4006.0	3955.4
4276.1	22.5°	4383.2	4490.4	4501.9	4513.3	4394.4	4275.5	4167.5	4059.4	4006.2	3952.9
4074.3	25°	4179.8	4285.2	4324.6	4363.9	4266.4	4169.1	4072.9	3977.2	3931.0	3884.9
3847.1	27.5°	3931.6	4016.2	4060.0	4104.0	4034.6	3965.3	3890.7	3816.2	3785.2	3754.2
3618.8	30°	3688.9	3759.3	3794.9	3830.6	3777.8	3724.8	3671.5	3617.8	3602.0	3586.0
3387.3	32.5°	3454.6	3522.0	3561.6	3601.3	3552.7	3504.0	3461.4	3418.7	3408.4	3398.0
3162.3	35°	3228.9	3295.6	3343.2	3390.7	3356.1	3321.6	3282.2	3243.0	3227.2	3211.5
2947.5	37.5°	3013.9	3080.4	3139.2	3198.0	3182.0	3166.0	3129.9	3093.5	3064.8	3036.3
2746.5	40°	2810.7	2874.9	2942.5	3010.3	3014.2	3017.9	2987.2	2956.5	2914.7	2873.2
2562.4	42.5°	2623.2	2684.2	2757.2	2830.3	2849.8	2869.3	2843.3	2817.5	2765.7	2713.9
2404.5	45°	2462.2	2520.0	2595.7	2671.5	2699.5	2727.5	2704.1	2680.8	2621.5	2562.4
2278.3	47.5°	2334.9	2391.3	2466.0	2540.7	2573.0	2605.2	2588.9	2572.6	2520.0	2467.3
2186.6	50°	2239.9	2293.1	2360.0	2426.9	2468.4	2509.8	2508.8	2508.1	2466.0	2423.9
2126.3	52.5°	2175.2	2224.0	2286.3	2348.8	2397.9	2447.0	2455.8	2464.6	2430.3	2396.0
2080.8	55°	2133.4	2186.1	2240.8	2295.3	2347.3	2399.4	2411.6	2423.9	2394.0	2364.1
2019.3	57.5°	2081.1	2143.0	2197.0	2251.1	2303.6	2355.9	2368.3	2380.7	2350.5	2320.3
1936.4	60°	2007.4	2078.4	2133.3	2188.3	2240.9	2293.6	2307.2	2320.8	2291.2	2261.8
1819.8	62.5°	1902.5	1985.3	2043.9	2102.5	2150.8	2199.0	2212.1	2225.2	2198.5	2171.8
1694.9	65°	1783.6	1872.4	1928.5	1984.5	2027.0	2069.4	2082.8	2096.1	2070.4	2044.8
1579.4	67.5°	1661.3	1743.3	1796.5	1849.5	1886.2	1922.9	1935.9	1948.8	1925.2	1901.8
1464.3	70°	1536.3	1608.3	1654.2	1700.0	1733.1	1766.3	1778.8	1791.4	1772.2	1753.0
1327.2	72.5°	1384.0	1440.5	1482.0	1523.4	1555.8	1588.3	1603.2	1618.2	1602.2	1586.2
1162.0	75°	1204.1	1246.2	1283.8	1321.3	1350.9	1380.4	1396.0	1411.7	1403.8	1396.0
987.1	77.5°	1021.4	1055.5	1087.8	1120.0	1151.1	1182.0	1196.6	1211.3	1200.4	1189.2
788.0	80°	816.6	844.9	872.1	899.3	922.9	946.3	965.7	985.0	980.3	975.7
592.7	82.5°	590.3	588.0	578.5	568.9	619.2	669.5	702.4	735.4	733.3	731.1
368.5	85°	356.3	343.9	317.6	291.3	338.3	385.5	426.3	467.0	463.6	460.2
171.2	87.5°	170.7	170.2	150.1	129.9	149.6	169.5	186.0	202.4	198.4	193.9
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°
4425.9	0°	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9
4044.4	2.5°	4032.7	4018.3	4032.7	4044.4	4056.0	4068.5	4081.1	4097.2	4113.4	4133.4
3789.1	5°	3777.1	3765.2	3777.1	3789.1	3801.2	3817.0	3832.8	3855.0	3877.3	3909.2
3636.3	7.5°	3625.6	3617.4	3625.6	3636.3	3647.2	3665.2	3683.3	3709.8	3736.3	3774.0
3594.7	10°	3585.5	3581.8	3585.5	3594.7	3603.9	3621.0	3638.2	3668.1	3697.6	3743.0
3658.9	12.5°	3651.1	3649.7	3651.1	3658.9	3666.7	3685.7	3704.9	3743.1	3781.3	3839.1
3779.6	15°	3769.4	3768.6	3769.4	3779.6	3789.8	3816.3	3843.0	3901.1	3959.2	4041.3
3883.9	17.5°	3870.8	3868.8	3870.8	3883.9	3896.8	3936.4	3975.8	4061.4	4147.0	4255.8
3939.3	20°	3923.1	3918.1	3923.1	3939.3	3955.4	4006.0	4056.5	4161.3	4266.2	4390.5
3935.0	22.5°	3917.2	3909.6	3917.2	3935.0	3952.9	4006.2	4059.4	4167.5	4275.5	4394.4
3868.1	25°	3851.5	3841.6	3851.5	3868.1	3884.9	3931.0	3977.2	4072.9	4169.1	4266.4
3746.5	27.5°	3738.9	3736.3	3738.9	3746.5	3754.2	3785.2	3816.2	3890.7	3965.3	4034.6
3586.0	30°	3586.0	3588.6	3586.0	3586.0	3586.0	3602.0	3617.8	3671.5	3724.8	3777.8
3399.4	32.5°	3400.9	3403.5	3400.9	3399.4	3398.0	3408.4	3418.7	3461.4	3504.0	3552.7
3208.1	35°	3204.8	3203.1	3204.8	3208.1	3211.5	3227.2	3243.0	3282.2	3321.6	3356.1
3021.2	37.5°	3006.0	2997.6	3006.0	3021.2	3036.3	3064.8	3093.5	3129.9	3166.0	3182.0
2845.0	40°	2817.2	2800.5	2817.2	2845.0	2873.2	2914.7	2956.5	2987.2	3017.9	3014.2
2673.0	42.5°	2632.1	2605.2	2632.1	2673.0	2713.9	2765.7	2817.5	2843.3	2869.3	2849.8
2514.4	45°	2466.3	2435.4	2466.3	2514.4	2562.4	2621.5	2680.8	2704.1	2727.5	2699.5
2422.8	47.5°	2378.5	2348.8	2378.5	2422.8	2467.3	2520.0	2572.6	2588.9	2605.2	2573.0
2382.8	50°	2341.7	2313.1	2341.7	2382.8	2423.9	2466.0	2508.1	2508.8	2509.8	2468.4
2359.2	52.5°	2322.5	2296.1	2322.5	2359.2	2396.0	2430.3	2464.6	2455.8	2447.0	2397.9
2331.8	55°	2299.5	2275.8	2299.5	2331.8	2364.1	2394.0	2423.9	2411.6	2399.4	2347.3
2288.3	57.5°	2256.2	2231.6	2256.2	2288.3	2320.3	2350.5	2380.7	2368.3	2355.9	2303.6
2228.9	60°	2195.9	2170.5	2195.9	2228.9	2261.8	2291.2	2320.8	2307.2	2293.6	2240.9
2137.2	62.5°	2102.5	2072.0	2102.5	2137.2	2171.8	2198.5	2225.2	2212.1	2199.0	2150.8
2011.2	65°	1977.7	1951.4	1977.7	2011.2	2044.8	2070.4	2096.1	2082.8	2069.4	2027.0
1870.5	67.5°	1839.3	1815.5	1839.3	1870.5	1901.8	1925.2	1948.8	1935.9	1922.9	1886.2
1723.1	70°	1693.2	1666.1	1693.2	1723.1	1753.0	1772.2	1791.4	1778.8	1766.3	1733.1
1557.7	72.5°	1529.3	1503.0	1529.3	1557.7	1586.2	1602.2	1618.2	1603.2	1588.3	1555.8
1372.1	75°	1348.1	1323.0	1348.1	1372.1	1396.0	1403.8	1411.7	1396.0	1380.4	1350.9
1165.1	77.5°	1140.9	1120.9	1140.9	1165.1	1189.2	1200.4	1211.3	1196.6	1182.0	1151.1
943.3	80°	910.6	872.9	910.6	943.3	975.7	980.3	985.0	965.7	946.3	922.9
703.8	82.5°	676.3	652.2	676.3	703.8	731.1	733.3	735.4	702.4	669.5	619.2
438.8	85°	417.4	395.7	417.4	438.8	460.2	463.6	467.0	426.3	385.5	338.3
183.1	87.5°	171.9	161.3	171.9	183.1	193.9	198.4	202.4	186.0	169.5	149.6
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4425.9	0°	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9
4153.3	2.5°	4178.9	4204.7	4230.4	4256.0	4285.2	4314.6	4347.0	4379.7	4419.9	4456.1
3941.0	5°	3982.4	4023.7	4069.2	4114.7	4166.2	4217.8	4279.5	4340.9	4411.4	4482.7
3811.9	7.5°	3862.3	3913.0	3970.4	4027.6	4095.5	4163.5	4245.1	4327.0	4418.2	4515.5
3788.1	10°	3845.0	3901.9	3963.7	4025.4	4093.3	4161.3	4247.5	4333.8	4431.8	4551.9
3896.8	12.5°	3955.6	4014.5	4062.7	4111.3	4156.2	4201.3	4271.6	4342.3	4433.5	4559.7
4123.5	15°	4174.7	4225.8	4238.4	4250.9	4244.8	4238.7	4272.3	4306.1	4379.1	4518.9
4364.7	17.5°	4405.8	4447.1	4407.8	4368.4	4294.4	4220.4	4208.1	4195.7	4240.7	4405.1
4515.0	20°	4534.2	4553.2	4470.9	4388.5	4259.8	4131.2	4073.4	4015.7	4027.6	4219.0
4513.3	22.5°	4501.9	4490.4	4383.2	4276.1	4129.0	3982.2	3896.8	3811.4	3788.1	4006.0
4363.9	25°	4324.6	4285.2	4179.8	4074.3	3942.2	3810.2	3711.7	3613.2	3550.4	3773.7
4104.0	27.5°	4060.0	4016.2	3931.6	3847.1	3738.7	3630.2	3535.1	3440.0	3363.5	3566.8
3830.6	30°	3794.9	3759.3	3688.9	3618.8	3528.8	3438.8	3363.0	3287.6	3227.7	3398.4
3601.3	32.5°	3561.6	3522.0	3454.6	3387.3	3315.3	3243.5	3198.8	3154.1	3127.5	3265.0
3390.7	35°	3343.2	3295.6	3228.9	3162.3	3107.6	3052.8	3040.4	3028.1	3039.2	3153.8
3198.0	37.5°	3139.2	3080.4	3013.9	2947.5	2908.2	2868.8	2882.4	2896.0	2936.4	3036.6
3010.3	40°	2942.5	2874.9	2810.7	2746.5	2718.2	2689.8	2720.6	2751.3	2813.3	2904.1
2830.3	42.5°	2757.2	2684.2	2623.2	2562.4	2539.2	2516.1	2556.8	2597.6	2675.7	2759.4
2671.5	45°	2595.7	2520.0	2462.2	2404.5	2384.8	2365.4	2405.0	2444.7	2520.3	2605.2
2540.7	47.5°	2466.0	2391.3	2334.9	2278.3	2260.1	2241.8	2275.1	2308.4	2373.4	2483.0
2426.9	50°	2360.0	2293.1	2239.9	2186.6	2157.9	2129.4	2158.7	2188.3	2263.9	2407.9
2348.8	52.5°	2286.3	2224.0	2175.2	2126.3	2083.5	2040.5	2069.6	2098.8	2204.4	2370.0
2295.3	55°	2240.8	2186.1	2133.4	2080.8	2020.0	1959.0	2005.1	2051.2	2210.4	2364.4
2251.1	57.5°	2197.0	2143.0	2081.1	2019.3	1953.8	1888.2	1955.5	2022.7	2216.3	2352.2
2188.3	60°	2133.3	2078.4	2007.4	1936.4	1879.0	1821.5	1908.8	1995.9	2197.6	2287.3
2102.5	62.5°	2043.9	1985.3	1902.5	1819.8	1783.2	1746.7	1855.6	1964.6	2151.8	2162.8
1984.5	65°	1928.5	1872.4	1783.6	1694.9	1681.0	1666.9	1782.9	1898.7	2041.4	2040.0
1849.5	67.5°	1796.5	1743.3	1661.3	1579.4	1583.9	1588.3	1684.7	1781.2	1861.4	1865.1
1700.0	70°	1654.2	1608.3	1536.3	1464.3	1479.6	1494.9	1563.5	1632.1	1658.4	1658.4
1523.4	72.5°	1482.0	1440.5	1384.0	1327.2	1349.5	1371.9	1419.0	1466.0	1465.7	1449.0
1321.3	75°	1283.8	1246.2	1204.1	1162.0	1183.6	1205.0	1241.3	1277.5	1283.9	1207.2
1120.0	77.5°	1087.8	1055.5	1021.4	987.1	1008.8	1030.5	1059.6	1088.6	1092.0	965.5
899.3	80°	872.1	844.9	816.6	788.0	806.4	824.5	849.0	873.3	873.8	722.6
568.9	82.5°	578.5	588.0	590.3	592.7	605.6	618.5	630.4	642.3	635.2	506.1
291.3	85°	317.6	343.9	356.3	368.5	383.0	397.4	410.1	422.9	413.5	317.6
129.9	87.5°	150.1	170.2	170.7	171.2	173.9	176.6	181.7	186.8	174.9	135.0
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°
4425.9	0°	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9	4425.9
4493.4	2.5°	4530.8	4569.9	4608.9	4647.7	4686.5	4723.1	4759.6
4558.3	5°	4633.9	4714.7	4795.7	4876.1	4956.6	5037.3	5117.9
4621.0	7.5°	4726.5	4846.2	4965.9	5088.9	5211.8	5344.8	5478.0
4676.9	10°	4801.5	4947.1	5092.4	5254.8	5417.3	5585.6	5753.9
4700.8	12.5°	4841.9	5013.5	5185.0	5369.1	5553.2	5738.0	5922.9
4682.3	15°	4845.7	5043.2	5240.7	5440.4	5640.2	5832.9	6025.7
4601.6	17.5°	4798.1	5027.4	5256.7	5474.6	5692.5	5887.9	6083.4
4462.5	20°	4706.1	4983.9	5261.8	5501.2	5740.7	5944.0	6147.1
4299.3	22.5°	4592.6	4930.6	5268.6	5537.2	5805.7	6013.5	6221.0
4117.1	25°	4460.7	4877.9	5295.4	5602.5	5909.3	6112.6	6316.1
3950.5	27.5°	4334.1	4842.8	5351.4	5704.4	6057.1	6251.2	6445.2
3811.2	30°	4224.1	4826.3	5428.2	5836.3	6244.4	6431.8	6619.2
3691.2	32.5°	4117.1	4805.9	5494.4	5974.1	6453.7	6639.1	6824.7
3573.1	35°	3992.4	4767.6	5543.0	6131.0	6718.9	6896.8	7074.4
3434.2	37.5°	3831.8	4701.8	5571.9	6306.8	7041.6	7268.2	7494.7
3268.4	40°	3632.7	4611.3	5590.1	6529.9	7469.6	7799.8	8129.9
3085.5	42.5°	3411.6	4517.9	5624.5	6821.9	8019.2	8495.7	8972.3
2891.2	45°	3177.2	4431.1	5685.2	7206.0	8726.9	9369.7	10012.5
2737.5	47.5°	2992.1	4359.4	5726.8	7615.3	9503.9	10408.7	11313.4
2635.5	50°	2863.0	4281.3	5699.6	7995.1	10290.5	11654.6	13018.6
2568.2	52.5°	2766.6	4149.4	5532.3	8241.7	10950.8	12963.4	14975.9
2519.5	55°	2674.5	3930.6	5186.7	8187.3	11187.8	14123.7	17059.7
2461.7	57.5°	2571.3	3622.2	4673.0	7804.9	10936.9	14946.0	18955.1
2373.4	60°	2459.5	3221.7	3983.9	7093.1	10202.2	15151.5	20100.6
2219.9	62.5°	2277.1	2742.5	3207.8	6130.6	9053.5	14286.2	19518.9
2067.0	65°	2094.0	2311.3	2528.5	5148.7	7769.0	13061.9	18354.7
1850.2	67.5°	1835.0	1896.9	1958.5	4186.7	6414.9	11604.9	16794.8
1588.6	70°	1518.6	1501.2	1483.5	3296.5	5109.4	10015.1	14920.7
1350.0	72.5°	1250.8	1197.5	1144.3	2520.2	3896.0	8291.6	12687.4
1096.1	75°	985.0	936.8	888.6	1829.1	2769.6	6315.9	9862.2
857.7	77.5°	749.8	716.9	684.1	1239.4	1794.8	4420.6	7046.4
631.4	80°	540.1	526.5	512.9	798.6	1084.4	2848.1	4611.8
438.8	82.5°	371.6	368.9	366.5	491.2	616.2	1648.4	2680.8
268.3	85°	219.1	220.4	221.6	262.6	303.7	741.5	1179.5
114.8	87.5°	94.8	96.0	97.1	108.9	120.6	242.9	365.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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