

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: P957545

Luminaire Tested: **GALN-SB9D-840-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957545
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-SB9D-840-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 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: 88340 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U0 - G5

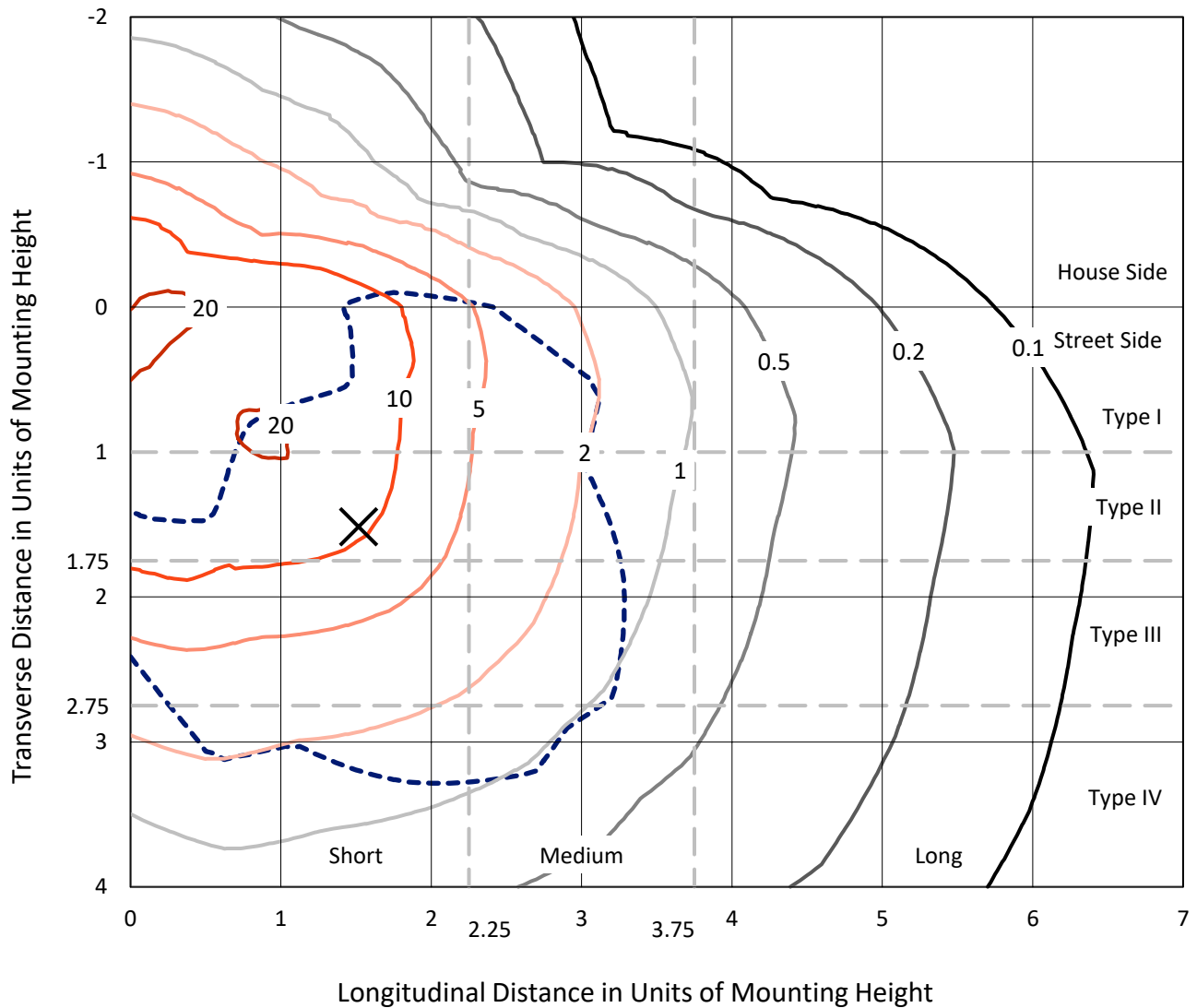
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

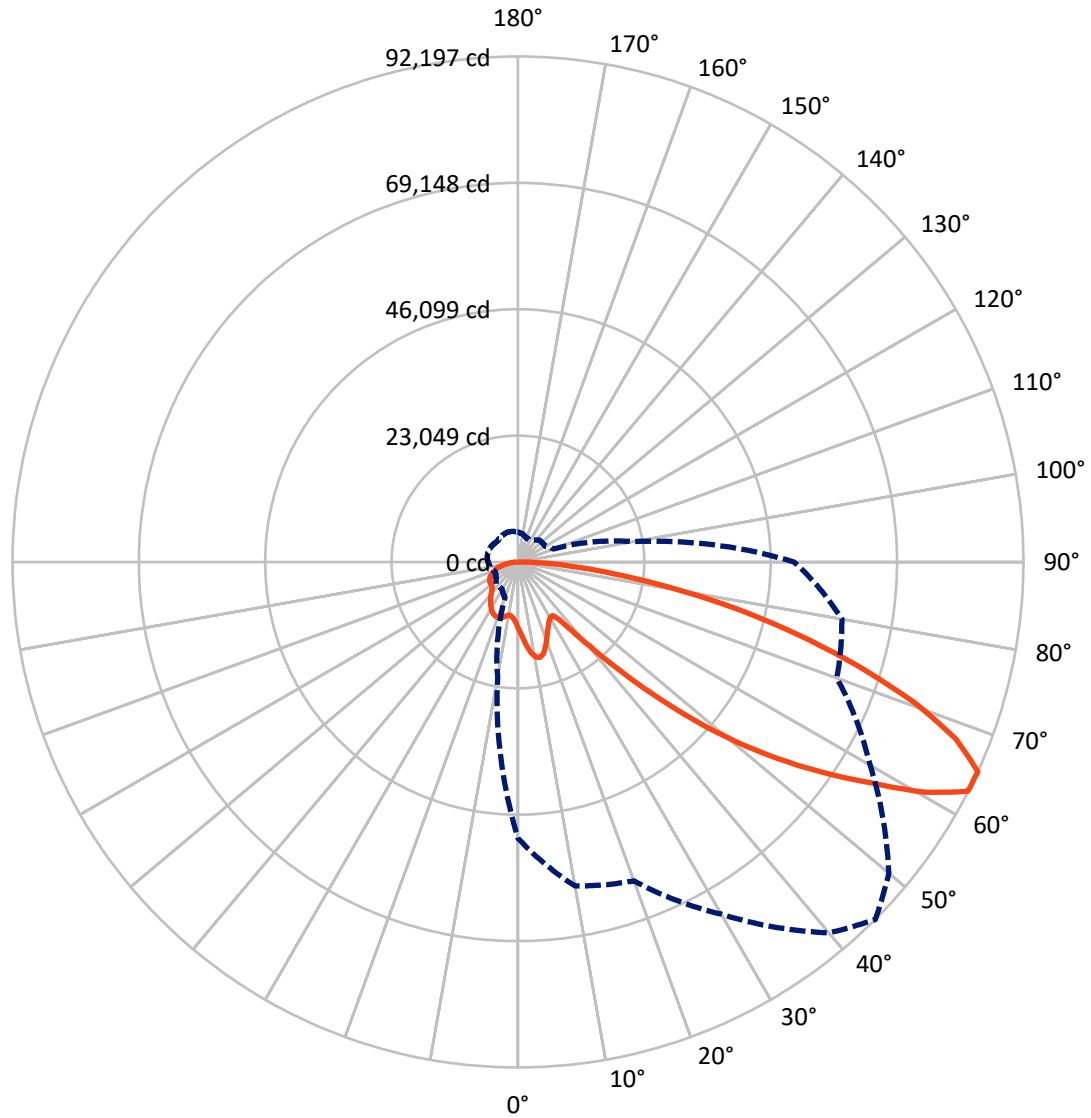
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.9 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	22451.6	0.0	22451.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	65888.4	0.0	65888.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	88340.0	0.0	88340.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1205.0	1.4
10°-20°	3782.8	4.3
20°-30°	5843.1	6.6
30°-40°	7404.7	8.4
40°-50°	11168.2	12.6
50°-60°	18043.9	20.4
60°-70°	22494.6	25.5
70°-80°	14750.8	16.7
80°-90°	3646.8	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°	88340.0	100.0
0°-180°	88340.0	100.0



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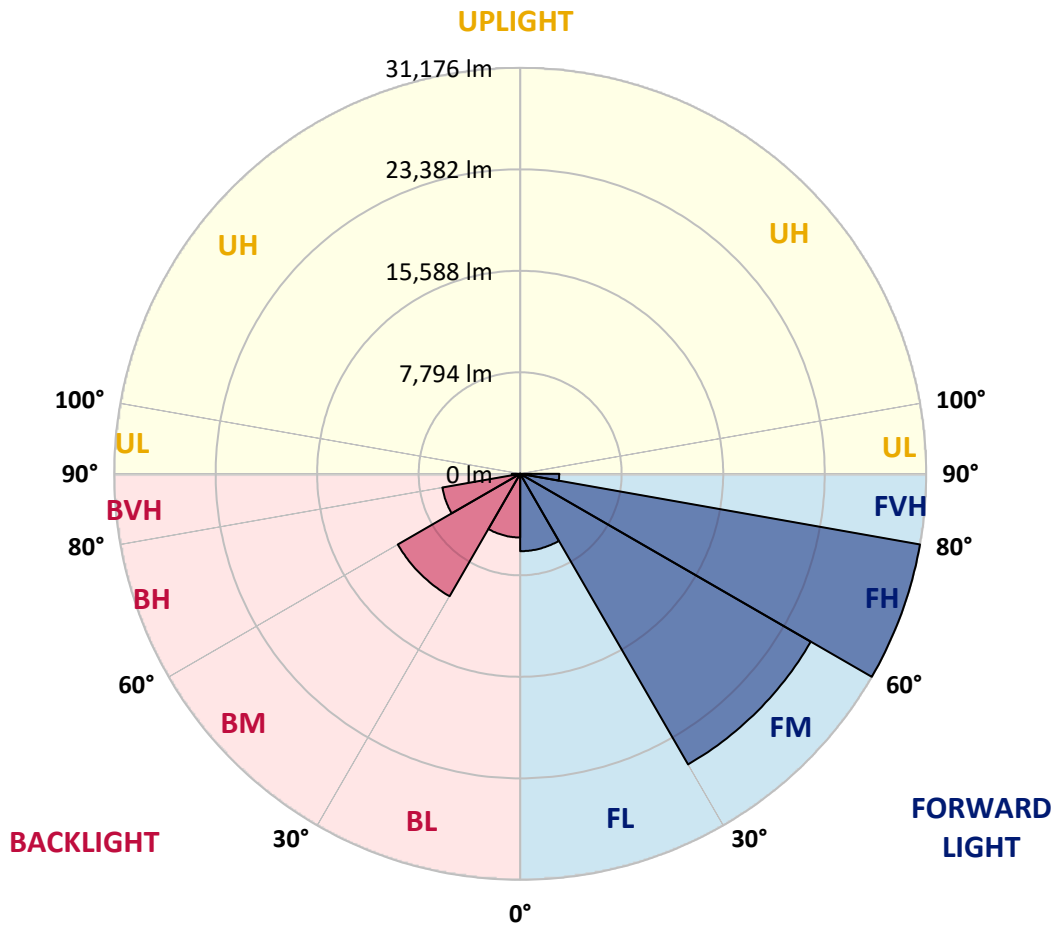
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5941.9	6.7			
FM (30°-60°)	25766.9	29.2			
FH (60°-80°)	31175.5	35.3			G5
FVH (80°-90°)	3004.1	3.4			G5
BL (0°-30°)	4889.1	5.5	B4/5000		
BM (30°-60°)	10850.0	12.3	B5		
BH (60°-80°)	6069.9	6.9	B5		G5
BVH (80°-90°)	642.6	0.7			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5
2.5°	13063.5	13112.9	13162.8	13233.1	13303.5	13345.5	13387.4	13408.4	13429.4	13420.1
5°	14047.0	14220.0	14393.4	14564.9	14736.9	14830.1	14923.4	14979.8	15036.6	15079.5
7.5°	15035.2	15316.8	15597.9	15851.0	16104.1	16256.5	16408.9	16491.4	16573.5	16613.1
10°	15792.7	16125.5	16458.3	16755.3	17052.2	17232.1	17411.1	17491.3	17571.0	17601.3
12.5°	16256.5	16617.3	16977.6	17246.1	17513.7	17644.2	17774.7	17818.5	17862.3	17867.0
15°	16538.5	16849.9	17160.8	17329.1	17497.8	17502.5	17507.1	17460.5	17413.9	17358.9
17.5°	16697.0	16907.2	17117.5	17120.7	17123.5	16934.7	16745.9	16573.0	16399.6	16277.5
20°	16871.8	16945.0	17018.6	16797.2	16575.8	16159.1	15742.4	15438.9	15135.4	14949.0
22.5°	17074.6	16978.5	16882.5	16423.8	15965.2	15352.2	14739.2	14359.8	13980.4	13774.3
25°	17335.6	17032.6	16729.6	16033.2	15336.8	14592.4	13848.0	13449.0	13050.9	12856.0
27.5°	17689.9	17148.2	16606.1	15683.6	14761.6	13936.5	13111.5	12719.0	12327.0	12142.8
30°	18167.7	17359.8	16552.5	15417.0	14281.5	13421.9	12562.4	12198.3	11834.3	11662.7
32.5°	18731.7	17625.5	16519.9	15235.2	13950.5	13142.7	12334.9	12049.2	11762.9	11639.4
35°	19416.9	18063.2	16710.1	15371.3	14033.0	13471.8	12911.0	12844.4	12777.7	12767.5
37.5°	20570.6	18978.3	17386.0	16169.3	14952.7	14916.4	14880.0	15184.9	15489.7	15648.2
40°	22313.9	20582.2	18850.6	17945.8	17041.0	17679.6	18318.2	19059.4	19800.5	20169.7
42.5°	24626.0	22907.8	21189.6	20668.5	20147.3	21540.2	22933.0	24281.0	25629.1	26420.6
45°	27481.1	25937.7	24393.8	24164.0	23933.8	26165.2	28397.0	30612.1	32827.6	34172.4
47.5°	31051.7	29550.2	28048.4	28001.7	27955.1	31174.3	34392.5	37635.4	40877.8	42782.0
50°	35731.7	33876.9	32022.6	32030.6	32038.5	36187.1	40335.7	44616.2	48896.8	51484.7
52.5°	41103.9	38858.1	36612.7	36385.7	36158.2	41113.7	46069.2	51365.4	56661.2	59763.3
55°	46823.4	44604.6	42385.8	41500.6	40615.4	46130.7	51645.6	57959.4	64273.2	67962.7
57.5°	52025.5	50817.2	49608.6	47833.0	46058.0	51626.9	57195.9	64347.3	71498.3	76073.4
60°	55169.6	57046.2	58923.4	56718.5	54513.7	59783.8	65054.0	72710.7	80367.5	85312.3
62.5°	53573.0	58701.0	63829.0	63580.5	63331.6	68159.4	72987.6	80272.4	87556.7	92127.2
65°	50377.7	55190.5	60003.4	60955.7	61907.6	68042.8	74178.6	81242.4	88305.8	92197.1
67.5°	46096.2	50673.7	55251.1	55697.7	56143.8	62536.4	68928.5	76022.6	83116.8	86165.3
70°	40952.4	45931.2	50910.5	51110.0	51309.9	57026.6	62742.9	68847.9	74952.4	76646.8
72.5°	34822.7	40536.1	46250.0	46393.6	46536.7	51009.3	55481.9	60054.2	64626.1	64797.6
75°	27068.5	32981.9	38895.3	39426.3	39957.2	43436.9	46916.6	50135.3	53354.0	52491.6
77.5°	19340.0	24860.0	30380.4	31140.2	31900.0	34545.4	37190.7	39473.4	41756.5	40274.2
80°	12657.9	17302.0	21945.7	22890.1	23834.5	25832.3	27829.3	29028.2	30226.6	27842.3
82.5°	7358.0	10532.8	13708.1	14763.0	15818.3	17193.4	18568.5	19068.7	19568.4	17694.5
85°	3237.3	4922.4	6607.5	7504.8	8402.1	9532.0	10661.5	10945.3	11229.2	9728.3
87.5°	1002.2	1568.5	2134.9	2635.5	3136.2	3701.1	4266.1	4290.3	4314.1	3621.9
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°
12147.5	0°	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5
13429.4	2.5°	13408.4	13387.4	13345.5	13303.5	13233.1	13162.8	13112.9	13063.5	12963.2	12863.0
15036.6	5°	14979.8	14923.4	14830.1	14736.9	14564.9	14393.4	14220.0	14047.0	13825.6	13604.2
16573.5	7.5°	16491.4	16408.9	16256.5	16104.1	15851.0	15597.9	15316.8	15035.2	14669.8	14304.8
17571.0	10°	17491.3	17411.1	17232.1	17052.2	16755.3	16458.3	16125.5	15792.7	15330.8	14868.8
17862.3	12.5°	17818.5	17774.7	17644.2	17513.7	17246.1	16977.6	16617.3	16256.5	15748.9	15241.7
17413.9	15°	17460.5	17507.1	17502.5	17497.8	17329.1	17160.8	16849.9	16538.5	16009.4	15480.4
16399.6	17.5°	16573.0	16745.9	16934.7	17123.5	17120.7	17117.5	16907.2	16697.0	16160.5	15624.0
15135.4	20°	15438.9	15742.4	16159.1	16575.8	16797.2	17018.6	16945.0	16871.8	16314.3	15756.3
13980.4	22.5°	14359.8	14739.2	15352.2	15965.2	16423.8	16882.5	16978.5	17074.6	16505.0	15934.9
13050.9	25°	13449.0	13848.0	14592.4	15336.8	16033.2	16729.6	17032.6	17335.6	16777.2	16219.2
12327.0	27.5°	12719.0	13111.5	13936.5	14761.6	15683.6	16606.1	17148.2	17689.9	17157.5	16624.7
11834.3	30°	12198.3	12562.4	13421.9	14281.5	15417.0	16552.5	17359.8	18167.7	17653.0	17138.9
11762.9	32.5°	12049.2	12334.9	13142.7	13950.5	15235.2	16519.9	17625.5	18731.7	18222.2	17713.2
12777.7	35°	12844.4	12911.0	13471.8	14033.0	15371.3	16710.1	18063.2	19416.9	18929.3	18441.3
15489.7	37.5°	15184.9	14880.0	14916.4	14952.7	16169.3	17386.0	18978.3	20570.6	19948.8	19326.9
19800.5	40°	19059.4	18318.2	17679.6	17041.0	17945.8	18850.6	20582.2	22313.9	21407.8	20501.6
25629.1	42.5°	24281.0	22933.0	21540.2	20147.3	20668.5	21189.6	22907.8	24626.0	23318.0	22010.0
32827.6	45°	30612.1	28397.0	26165.2	23933.8	24164.0	24393.8	25937.7	27481.1	25716.7	23952.4
40877.8	47.5°	37635.4	34392.5	31174.3	27955.1	28001.7	28048.4	29550.2	31051.7	28568.6	26085.0
48896.8	50°	44616.2	40335.7	36187.1	32038.5	32030.6	32022.6	33876.9	35731.7	31988.1	28244.1
56661.2	52.5°	51365.4	46069.2	41113.7	36158.2	36385.7	36612.7	38858.1	41103.9	35580.2	30056.5
64273.2	55°	57959.4	51645.6	46130.7	40615.4	41500.6	42385.8	44604.6	46823.4	38764.8	30706.7
71498.3	57.5°	64347.3	57195.9	51626.9	46058.0	47833.0	49608.6	50817.2	52025.5	41021.9	30018.2
80367.5	60°	72710.7	65054.0	59783.8	54513.7	56718.5	58923.4	57046.2	55169.6	41585.9	28001.7
87556.7	62.5°	80272.4	72987.6	68159.4	63331.6	63580.5	63829.0	58701.0	53573.0	39210.9	24848.8
88305.8	65°	81242.4	74178.6	68042.8	61907.6	60955.7	60003.4	55190.5	50377.7	35850.5	21323.4
83116.8	67.5°	76022.6	68928.5	62536.4	56143.8	55697.7	55251.1	50673.7	46096.2	31851.6	17606.9
74952.4	70°	68847.9	62742.9	57026.6	51309.9	51110.0	50910.5	45931.2	40952.4	27488.1	14023.7
64626.1	72.5°	60054.2	55481.9	51009.3	46536.7	46393.6	46250.0	40536.1	34822.7	22757.7	10693.2
53354.0	75°	50135.3	46916.6	43436.9	39957.2	39426.3	38895.3	32981.9	27068.5	17335.1	7601.8
41756.5	77.5°	39473.4	37190.7	34545.4	31900.0	31140.2	30380.4	24860.0	19340.0	12133.1	4926.1
30226.6	80°	29028.2	27829.3	25832.3	23834.5	22890.1	21945.7	17302.0	12657.9	7817.1	2976.3
19568.4	82.5°	19068.7	18568.5	17193.4	15818.3	14763.0	13708.1	10532.8	7358.0	4524.3	1691.1
11229.2	85°	10945.3	10661.5	9532.0	8402.1	7504.8	6607.5	4922.4	3237.3	2035.2	833.5
4314.1	87.5°	4290.3	4266.1	3701.1	3136.2	2635.5	2134.9	1568.5	1002.2	666.6	331.0
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
12147.5	0°	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5
12756.3	2.5°	12650.0	12542.8	12435.6	12333.0	12230.5	12131.2	12020.7	11931.2	11842.2	11761.5
13383.2	5°	13162.8	12940.4	12718.5	12511.1	12303.7	12107.9	11914.4	11745.7	11576.5	11434.8
13967.3	7.5°	13629.8	13301.2	12972.6	12683.1	12393.6	12126.5	11876.2	11651.5	11427.3	11240.9
14422.7	10°	13977.1	13578.1	13178.6	12836.5	12493.4	12163.8	11894.9	11658.1	11421.3	11234.8
14736.4	12.5°	14231.1	13760.3	13289.5	12902.2	12514.8	12168.5	11918.2	11724.3	11531.3	11407.3
14932.2	15°	14384.0	13841.9	13299.8	12851.4	12403.0	12019.3	11818.9	11726.1	11633.8	11650.6
15025.9	17.5°	14427.8	13798.6	13169.3	12630.0	12090.6	11639.4	11515.9	11549.9	11583.5	11786.7
15099.1	20°	14441.8	13679.2	12916.6	12248.2	11579.8	11054.4	11021.8	11180.3	11338.8	11691.6
15197.9	22.5°	14460.5	13532.9	12605.3	11800.2	10995.2	10397.2	10461.0	10695.5	10930.0	11332.7
15376.9	25°	14534.1	13388.4	12243.1	11300.1	10357.5	9744.6	9917.0	10187.4	10457.8	10820.0
15656.6	27.5°	14688.0	13291.9	11895.8	10842.8	9789.8	9231.8	9441.6	9702.6	9963.7	10261.5
16018.8	30°	14898.6	13246.7	11593.7	10460.6	9327.4	8858.9	9023.5	9230.4	9438.3	9685.4
16396.8	32.5°	15080.4	13190.7	11300.1	10131.0	8961.5	8583.9	8657.1	8779.7	8902.3	9099.4
16827.5	35°	15213.8	13085.4	10957.9	9807.0	8656.2	8341.5	8311.2	8344.8	8378.8	8529.4
17310.0	37.5°	15293.0	12905.0	10517.0	9425.7	8334.5	8059.5	7948.6	7911.3	7874.0	7982.1
17922.5	40°	15342.9	12656.5	9970.7	8970.8	7970.9	7721.5	7551.4	7467.0	7382.7	7460.5
18723.8	42.5°	15437.5	12400.2	9363.7	8468.8	7573.8	7344.0	7129.6	7017.7	6905.8	6969.2
19778.2	45°	15603.9	12162.0	8720.5	7935.5	7150.5	6917.5	6710.0	6601.0	6492.3	6545.5
20901.5	47.5°	15718.1	11965.3	8212.4	7513.7	6814.9	6514.3	6335.7	6244.4	6153.0	6203.3
21943.8	50°	15643.5	11750.8	7858.1	7233.5	6608.9	6213.6	6006.2	5925.1	5844.4	5922.7
22620.7	52.5°	15184.4	11388.6	7593.4	7048.9	6504.9	6050.4	5760.5	5680.3	5600.6	5718.6
22471.5	55°	14235.8	10788.3	7340.7	6915.1	6489.5	6066.8	5630.0	5503.2	5376.9	5544.2
21421.8	57.5°	12825.7	9941.8	7057.3	6756.6	6456.0	6083.1	5551.7	5367.1	5182.5	5362.4
19468.2	60°	10934.6	8842.6	6750.6	6514.3	6277.9	6031.8	5478.0	5238.9	4999.3	5157.3
16826.6	62.5°	8804.4	7527.2	6250.0	6092.9	5936.2	5905.9	5392.3	5093.0	4794.2	4894.4
14131.4	65°	6939.8	6343.6	5747.5	5673.3	5599.2	5603.0	5211.4	4893.5	4575.1	4613.8
11491.2	67.5°	5375.5	5206.3	5036.6	5078.1	5119.1	5108.9	4888.8	4624.1	4359.3	4347.2
9047.7	70°	4071.7	4120.2	4168.2	4360.2	4551.8	4551.8	4479.6	4291.3	4102.9	4061.0
6917.0	72.5°	3140.8	3286.7	3433.1	3705.3	3977.1	4022.8	4023.7	3894.6	3765.4	3703.9
5020.3	75°	2438.8	2571.2	2703.6	3008.4	3313.3	3524.0	3506.3	3407.0	3307.2	3248.5
3401.9	77.5°	1877.6	1967.6	2058.0	2354.0	2650.0	2997.3	2987.9	2908.2	2828.5	2768.8
2191.8	80°	1407.7	1445.0	1482.3	1733.1	1983.4	2398.3	2396.9	2330.2	2263.1	2213.2
1348.1	82.5°	1005.9	1012.4	1019.9	1204.5	1389.1	1743.3	1762.9	1730.3	1697.7	1662.2
720.6	85°	608.3	605.0	601.3	736.5	871.7	1135.0	1160.7	1125.7	1090.8	1051.1
298.8	87.5°	266.6	263.4	260.1	315.1	370.6	480.1	512.7	498.8	484.8	477.3
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
12147.5	0°	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5
11681.4	2.5°	11611.0	11540.6	11469.7	11399.4	11344.8	11289.8	11245.5	11201.3	11166.8	11132.3
11293.5	5°	11168.6	11043.7	10930.4	10816.7	10729.5	10641.9	10580.8	10519.8	10476.4	10433.1
11054.4	7.5°	10897.3	10739.8	10600.9	10462.4	10358.5	10255.0	10182.3	10109.6	10059.7	10010.3
11048.4	10°	10879.2	10709.5	10553.3	10397.2	10273.2	10148.7	10067.6	9985.6	9938.5	9891.4
11284.2	12.5°	11150.9	11018.5	10856.8	10695.5	10537.0	10378.5	10273.6	10168.8	10116.1	10063.9
11667.4	15°	11632.9	11598.4	11458.1	11317.8	11092.2	10866.6	10707.1	10547.7	10474.5	10401.8
11990.0	17.5°	12098.1	12205.8	12092.5	11979.7	11680.9	11382.1	11147.2	10912.2	10804.1	10695.5
12045.0	20°	12271.0	12497.1	12444.9	12392.2	12050.6	11709.3	11421.3	11133.7	10995.2	10856.3
11736.4	22.5°	12030.5	12324.6	12356.3	12387.6	12061.3	11735.0	11438.5	11141.6	10995.7	10849.3
11182.6	25°	11472.1	11761.5	11869.7	11977.4	11709.8	11442.7	11178.9	10916.0	10789.2	10662.9
10558.9	27.5°	10791.1	11023.2	11143.5	11264.2	11073.5	10883.3	10678.7	10474.1	10389.2	10303.9
9932.4	30°	10124.9	10317.9	10415.8	10513.7	10368.7	10223.3	10076.9	9929.6	9886.3	9842.5
9297.1	32.5°	9481.7	9666.7	9775.3	9884.4	9751.1	9617.3	9500.3	9383.3	9354.9	9326.5
8679.5	35°	8862.2	9045.4	9175.9	9306.4	9211.3	9116.7	9008.5	8900.9	8857.5	8814.6
8089.8	37.5°	8272.1	8454.8	8616.1	8777.3	8733.5	8689.7	8590.4	8490.7	8411.9	8333.6
7538.4	40°	7714.6	7890.8	8076.3	8262.3	8273.0	8283.2	8198.9	8114.5	7999.8	7886.1
7033.1	42.5°	7199.9	7367.3	7567.7	7768.2	7821.8	7875.4	7804.1	7733.2	7591.0	7448.9
6599.6	45°	6758.0	6916.5	7124.4	7332.3	7409.2	7486.1	7421.8	7358.0	7195.3	7033.1
6253.2	47.5°	6408.4	6563.2	6768.3	6973.4	7062.0	7150.5	7105.8	7061.0	6916.5	6772.0
6001.5	50°	6147.9	6293.8	6477.4	6661.1	6774.8	6888.6	6885.8	6883.9	6768.3	6652.7
5836.0	52.5°	5970.3	6104.1	6275.1	6446.7	6581.4	6716.1	6740.3	6764.6	6670.4	6576.3
5711.1	55°	5855.6	6000.1	6150.2	6299.8	6442.5	6585.6	6619.1	6652.7	6570.7	6488.6
5542.4	57.5°	5712.0	5881.7	6029.9	6178.6	6322.7	6466.2	6500.3	6534.3	6451.3	6368.4
5314.9	60°	5509.7	5704.6	5855.1	6006.2	6150.7	6295.2	6332.5	6369.8	6288.6	6208.0
4994.6	62.5°	5221.7	5449.1	5609.9	5770.8	5903.1	6035.5	6071.4	6107.3	6034.1	5961.0
4652.0	65°	4895.4	5139.2	5293.0	5446.8	5563.3	5679.9	5716.7	5753.1	5682.7	5612.3
4335.1	67.5°	4559.7	4784.9	4930.8	5076.2	5176.9	5277.6	5313.5	5348.9	5284.1	5219.8
4019.0	70°	4216.7	4414.3	4540.2	4666.0	4756.9	4847.8	4882.3	4916.8	4864.1	4811.5
3642.9	72.5°	3798.5	3953.8	4067.5	4181.2	4270.3	4359.3	4400.3	4441.3	4397.5	4353.7
3189.3	75°	3304.9	3420.5	3523.5	3626.5	3707.6	3788.8	3831.6	3874.5	3853.1	3831.6
2709.2	77.5°	2803.3	2897.0	2985.6	3074.2	3159.5	3244.3	3284.4	3324.5	3294.7	3263.9
2162.9	80°	2241.2	2319.0	2393.6	2468.2	2533.0	2597.3	2650.5	2703.6	2690.5	2678.0
1626.8	82.5°	1620.3	1613.8	1587.7	1561.6	1699.5	1837.5	1927.9	2018.4	2012.8	2006.7
1011.5	85°	978.0	943.9	871.7	799.4	928.5	1058.1	1170.0	1281.9	1272.6	1263.2
469.9	87.5°	468.5	467.1	412.1	356.6	410.7	465.2	510.4	555.6	544.4	532.3
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°
12147.5	0°	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5
11100.6	2.5°	11068.4	11028.8	11068.4	11100.6	11132.3	11166.8	11201.3	11245.5	11289.8	11344.8
10400.0	5°	10366.9	10334.2	10366.9	10400.0	10433.1	10476.4	10519.8	10580.8	10641.9	10729.5
9980.4	7.5°	9951.1	9928.7	9951.1	9980.4	10010.3	10059.7	10109.6	10182.3	10255.0	10358.5
9866.2	10°	9841.1	9830.8	9841.1	9866.2	9891.4	9938.5	9985.6	10067.6	10148.7	10273.2
10042.4	12.5°	10021.0	10017.3	10021.0	10042.4	10063.9	10116.1	10168.8	10273.6	10378.5	10537.0
10373.9	15°	10345.9	10343.6	10345.9	10373.9	10401.8	10474.5	10547.7	10707.1	10866.6	11092.2
10660.1	17.5°	10624.2	10618.6	10624.2	10660.1	10695.5	10804.1	10912.2	11147.2	11382.1	11680.9
10812.0	20°	10767.7	10753.8	10767.7	10812.0	10856.3	10995.2	11133.7	11421.3	11709.3	12050.6
10800.4	22.5°	10751.4	10730.5	10751.4	10800.4	10849.3	10995.7	11141.6	11438.5	11735.0	12061.3
10616.7	25°	10571.0	10544.0	10571.0	10616.7	10662.9	10789.2	10916.0	11178.9	11442.7	11709.8
10283.0	27.5°	10262.0	10255.0	10262.0	10283.0	10303.9	10389.2	10474.1	10678.7	10883.3	11073.5
9842.5	30°	9842.5	9849.5	9842.5	9842.5	9842.5	9886.3	9929.6	10076.9	10223.3	10368.7
9330.2	32.5°	9334.4	9341.4	9334.4	9330.2	9326.5	9354.9	9383.3	9500.3	9617.3	9751.1
8805.3	35°	8796.0	8791.3	8796.0	8805.3	8814.6	8857.5	8900.9	9008.5	9116.7	9211.3
8292.1	37.5°	8250.6	8227.3	8250.6	8292.1	8333.6	8411.9	8490.7	8590.4	8689.7	8733.5
7808.7	40°	7732.3	7686.6	7732.3	7808.7	7886.1	7999.8	8114.5	8198.9	8283.2	8273.0
7336.5	42.5°	7224.2	7150.5	7224.2	7336.5	7448.9	7591.0	7733.2	7804.1	7875.4	7821.8
6901.1	45°	6769.2	6684.4	6769.2	6901.1	7033.1	7195.3	7358.0	7421.8	7486.1	7409.2
6649.9	47.5°	6528.2	6446.7	6528.2	6649.9	6772.0	6916.5	7061.0	7105.8	7150.5	7062.0
6539.9	50°	6427.1	6348.8	6427.1	6539.9	6652.7	6768.3	6883.9	6885.8	6888.6	6774.8
6475.1	52.5°	6374.4	6302.2	6374.4	6475.1	6576.3	6670.4	6764.6	6740.3	6716.1	6581.4
6400.1	55°	6311.5	6246.2	6311.5	6400.1	6488.6	6570.7	6652.7	6619.1	6585.6	6442.5
6280.7	57.5°	6192.6	6125.0	6192.6	6280.7	6368.4	6451.3	6534.3	6500.3	6466.2	6322.7
6117.6	60°	6027.1	5957.2	6027.1	6117.6	6208.0	6288.6	6369.8	6332.5	6295.2	6150.7
5865.9	62.5°	5770.8	5686.9	5770.8	5865.9	5961.0	6034.1	6107.3	6071.4	6035.5	5903.1
5520.0	65°	5428.2	5355.9	5428.2	5520.0	5612.3	5682.7	5753.1	5716.7	5679.9	5563.3
5134.0	67.5°	5048.3	4983.0	5048.3	5134.0	5219.8	5284.1	5348.9	5313.5	5277.6	5176.9
4729.4	70°	4647.4	4572.8	4647.4	4729.4	4811.5	4864.1	4916.8	4882.3	4847.8	4756.9
4275.4	72.5°	4197.6	4125.3	4197.6	4275.4	4353.7	4397.5	4441.3	4400.3	4359.3	4270.3
3765.9	75°	3700.2	3631.2	3700.2	3765.9	3831.6	3853.1	3874.5	3831.6	3788.8	3707.6
3197.7	77.5°	3131.5	3076.5	3131.5	3197.7	3263.9	3294.7	3324.5	3284.4	3244.3	3159.5
2588.9	80°	2499.4	2395.9	2499.4	2588.9	2678.0	2690.5	2703.6	2650.5	2597.3	2533.0
1931.7	82.5°	1856.2	1790.0	1856.2	1931.7	2006.7	2012.8	2018.4	1927.9	1837.5	1699.5
1204.5	85°	1145.8	1086.1	1145.8	1204.5	1263.2	1272.6	1281.9	1170.0	1058.1	928.5
502.5	87.5°	471.7	442.8	471.7	502.5	532.3	544.4	555.6	510.4	465.2	410.7
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°
12147.5	0°	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5
11399.4	2.5°	11469.7	11540.6	11611.0	11681.4	11761.5	11842.2	11931.2	12020.7	12131.2	12230.5
10816.7	5°	10930.4	11043.7	11168.6	11293.5	11434.8	11576.5	11745.7	11914.4	12107.9	12303.7
10462.4	7.5°	10600.9	10739.8	10897.3	11054.4	11240.9	11427.3	11651.5	11876.2	12126.5	12393.6
10397.2	10°	10553.3	10709.5	10879.2	11048.4	11234.8	11421.3	11658.1	11894.9	12163.8	12493.4
10695.5	12.5°	10856.8	11018.5	11150.9	11284.2	11407.3	11531.3	11724.3	11918.2	12168.5	12514.8
11317.8	15°	11458.1	11598.4	11632.9	11667.4	11650.6	11633.8	11726.1	11818.9	12019.3	12403.0
11979.7	17.5°	12092.5	12205.8	12098.1	11990.0	11786.7	11583.5	11549.9	11515.9	11639.4	12090.6
12392.2	20°	12444.9	12497.1	12271.0	12045.0	11691.6	11338.8	11180.3	11021.8	11054.4	11579.8
12387.6	22.5°	12356.3	12324.6	12030.5	11736.4	11332.7	10930.0	10695.5	10461.0	10397.2	10995.2
11977.4	25°	11869.7	11761.5	11472.1	11182.6	10820.0	10457.8	10187.4	9917.0	9744.6	10357.5
11264.2	27.5°	11143.5	11023.2	10791.1	10558.9	10261.5	9963.7	9702.6	9441.6	9231.8	9789.8
10513.7	30°	10415.8	10317.9	10124.9	9932.4	9685.4	9438.3	9230.4	9023.5	8858.9	9327.4
9884.4	32.5°	9775.3	9666.7	9481.7	9297.1	9099.4	8902.3	8779.7	8657.1	8583.9	8961.5
9306.4	35°	9175.9	9045.4	8862.2	8679.5	8529.4	8378.8	8344.8	8311.2	8341.5	8656.2
8777.3	37.5°	8616.1	8454.8	8272.1	8089.8	7982.1	7874.0	7911.3	7948.6	8059.5	8334.5
8262.3	40°	8076.3	7890.8	7714.6	7538.4	7460.5	7382.7	7467.0	7551.4	7721.5	7970.9
7768.2	42.5°	7567.7	7367.3	7199.9	7033.1	6969.2	6905.8	7017.7	7129.6	7344.0	7573.8
7332.3	45°	7124.4	6916.5	6758.0	6599.6	6545.5	6492.3	6601.0	6710.0	6917.5	7150.5
6973.4	47.5°	6768.3	6563.2	6408.4	6253.2	6203.3	6153.0	6244.4	6335.7	6514.3	6814.9
6661.1	50°	6477.4	6293.8	6147.9	6001.5	5922.7	5844.4	5925.1	6006.2	6213.6	6608.9
6446.7	52.5°	6275.1	6104.1	5970.3	5836.0	5718.6	5600.6	5680.3	5760.5	6050.4	6504.9
6299.8	55°	6150.2	6000.1	5855.6	5711.1	5544.2	5376.9	5503.2	5630.0	6066.8	6489.5
6178.6	57.5°	6029.9	5881.7	5712.0	5542.4	5362.4	5182.5	5367.1	5551.7	6083.1	6456.0
6006.2	60°	5855.1	5704.6	5509.7	5314.9	5157.3	4999.3	5238.9	5478.0	6031.8	6277.9
5770.8	62.5°	5609.9	5449.1	5221.7	4994.6	4894.4	4794.2	5093.0	5392.3	5905.9	5936.2
5446.8	65°	5293.0	5139.2	4895.4	4652.0	4613.8	4575.1	4893.5	5211.4	5603.0	5599.2
5076.2	67.5°	4930.8	4784.9	4559.7	4335.1	4347.2	4359.3	4624.1	4888.8	5108.9	5119.1
4666.0	70°	4540.2	4414.3	4216.7	4019.0	4061.0	4102.9	4291.3	4479.6	4551.8	4551.8
4181.2	72.5°	4067.5	3953.8	3798.5	3642.9	3703.9	3765.4	3894.6	4023.7	4022.8	3977.1
3626.5	75°	3523.5	3420.5	3304.9	3189.3	3248.5	3307.2	3407.0	3506.3	3524.0	3313.3
3074.2	77.5°	2985.6	2897.0	2803.3	2709.2	2768.8	2828.5	2908.2	2987.9	2997.3	2650.0
2468.2	80°	2393.6	2319.0	2241.2	2162.9	2213.2	2263.1	2330.2	2396.9	2398.3	1983.4
1561.6	82.5°	1587.7	1613.8	1620.3	1626.8	1662.2	1697.7	1730.3	1762.9	1743.3	1389.1
799.4	85°	871.7	943.9	978.0	1011.5	1051.1	1090.8	1125.7	1160.7	1135.0	871.7
356.6	87.5°	412.1	467.1	468.5	469.9	477.3	484.8	498.8	512.7	480.1	370.6
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):

325°		330°	335°	340°	345°	350°	355°	360°
12147.5	0°	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5	12147.5
12333.0	2.5°	12435.6	12542.8	12650.0	12756.3	12863.0	12963.2	13063.5
12511.1	5°	12718.5	12940.4	13162.8	13383.2	13604.2	13825.6	14047.0
12683.1	7.5°	12972.6	13301.2	13629.8	13967.3	14304.8	14669.8	15035.2
12836.5	10°	13178.6	13578.1	13977.1	14422.7	14868.8	15330.8	15792.7
12902.2	12.5°	13289.5	13760.3	14231.1	14736.4	15241.7	15748.9	16256.5
12851.4	15°	13299.8	13841.9	14384.0	14932.2	15480.4	16009.4	16538.5
12630.0	17.5°	13169.3	13798.6	14427.8	15025.9	15624.0	16160.5	16697.0
12248.2	20°	12916.6	13679.2	14441.8	15099.1	15756.3	16314.3	16871.8
11800.2	22.5°	12605.3	13532.9	14460.5	15197.9	15934.9	16505.0	17074.6
11300.1	25°	12243.1	13388.4	14534.1	15376.9	16219.2	16777.2	17335.6
10842.8	27.5°	11895.8	13291.9	14688.0	15656.6	16624.7	17157.5	17689.9
10460.6	30°	11593.7	13246.7	14898.6	16018.8	17138.9	17653.0	18167.7
10131.0	32.5°	11300.1	13190.7	15080.4	16396.8	17713.2	18222.2	18731.7
9807.0	35°	10957.9	13085.4	15213.8	16827.5	18441.3	18929.3	19416.9
9425.7	37.5°	10517.0	12905.0	15293.0	17310.0	19326.9	19948.8	20570.6
8970.8	40°	9970.7	12656.5	15342.9	17922.5	20501.6	21407.8	22313.9
8468.8	42.5°	9363.7	12400.2	15437.5	18723.8	22010.0	23318.0	24626.0
7935.5	45°	8720.5	12162.0	15603.9	19778.2	23952.4	25716.7	27481.1
7513.7	47.5°	8212.4	11965.3	15718.1	20901.5	26085.0	28568.6	31051.7
7233.5	50°	7858.1	11750.8	15643.5	21943.8	28244.1	31988.1	35731.7
7048.9	52.5°	7593.4	11388.6	15184.4	22620.7	30056.5	35580.2	41103.9
6915.1	55°	7340.7	10788.3	14235.8	22471.5	30706.7	38764.8	46823.4
6756.6	57.5°	7057.3	9941.8	12825.7	21421.8	30018.2	41021.9	52025.5
6514.3	60°	6750.6	8842.6	10934.6	19468.2	28001.7	41585.9	55169.6
6092.9	62.5°	6250.0	7527.2	8804.4	16826.6	24848.8	39210.9	53573.0
5673.3	65°	5747.5	6343.6	6939.8	14131.4	21323.4	35850.5	50377.7
5078.1	67.5°	5036.6	5206.3	5375.5	11491.2	17606.9	31851.6	46096.2
4360.2	70°	4168.2	4120.2	4071.7	9047.7	14023.7	27488.1	40952.4
3705.3	72.5°	3433.1	3286.7	3140.8	6917.0	10693.2	22757.7	34822.7
3008.4	75°	2703.6	2571.2	2438.8	5020.3	7601.8	17335.1	27068.5
2354.0	77.5°	2058.0	1967.6	1877.6	3401.9	4926.1	12133.1	19340.0
1733.1	80°	1482.3	1445.0	1407.7	2191.8	2976.3	7817.1	12657.9
1204.5	82.5°	1019.9	1012.4	1005.9	1348.1	1691.1	4524.3	7358.0
736.5	85°	601.3	605.0	608.3	720.6	833.5	2035.2	3237.3
315.1	87.5°	260.1	263.4	266.6	298.8	331.0	666.6	1002.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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