

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: P954626

Luminaire Tested: **GALN-SB7D-827-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954626  
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-SB7D-827-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

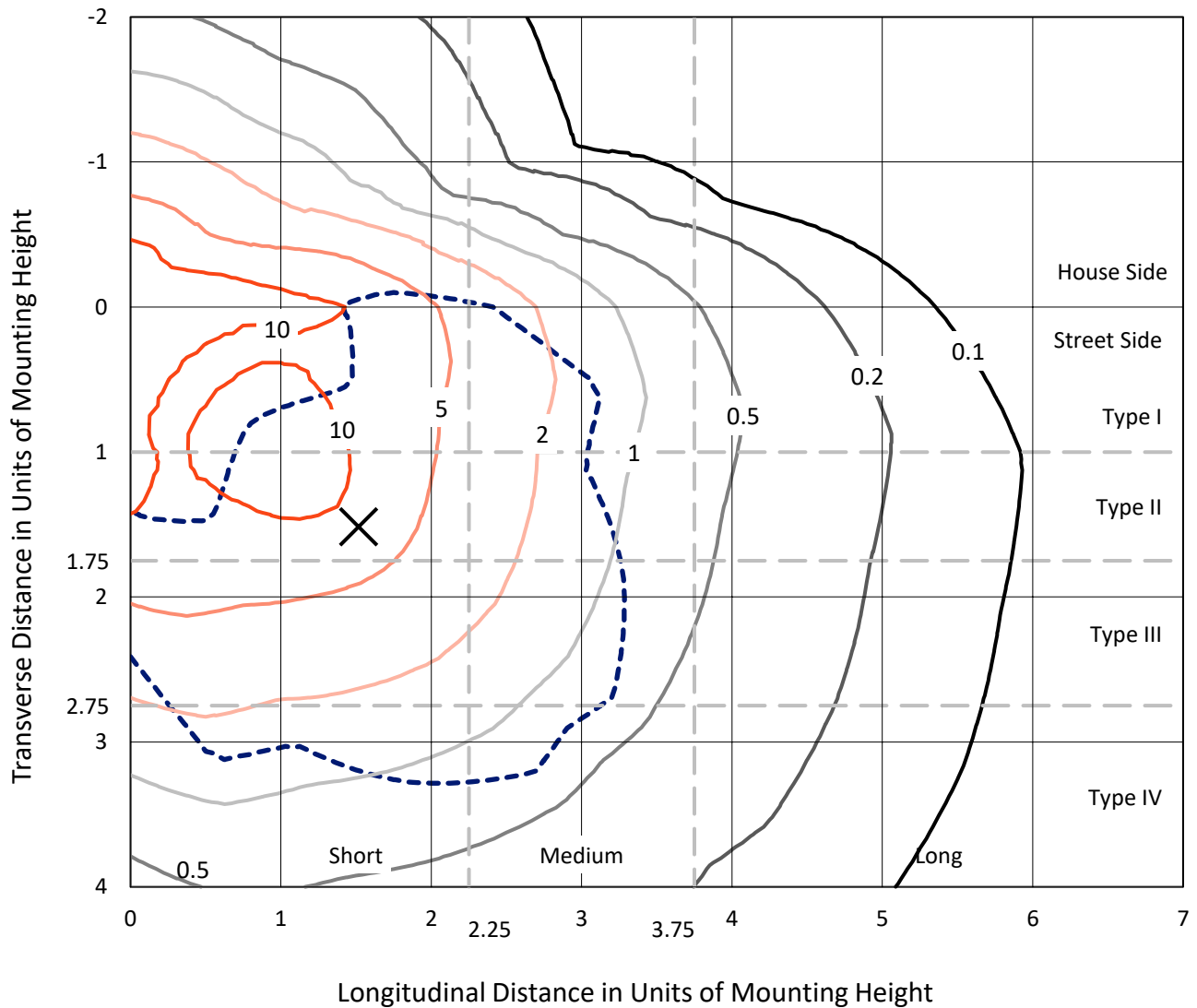
Lumens per Lamp: N/A  
Luminaire Lumens: 62704 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): 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

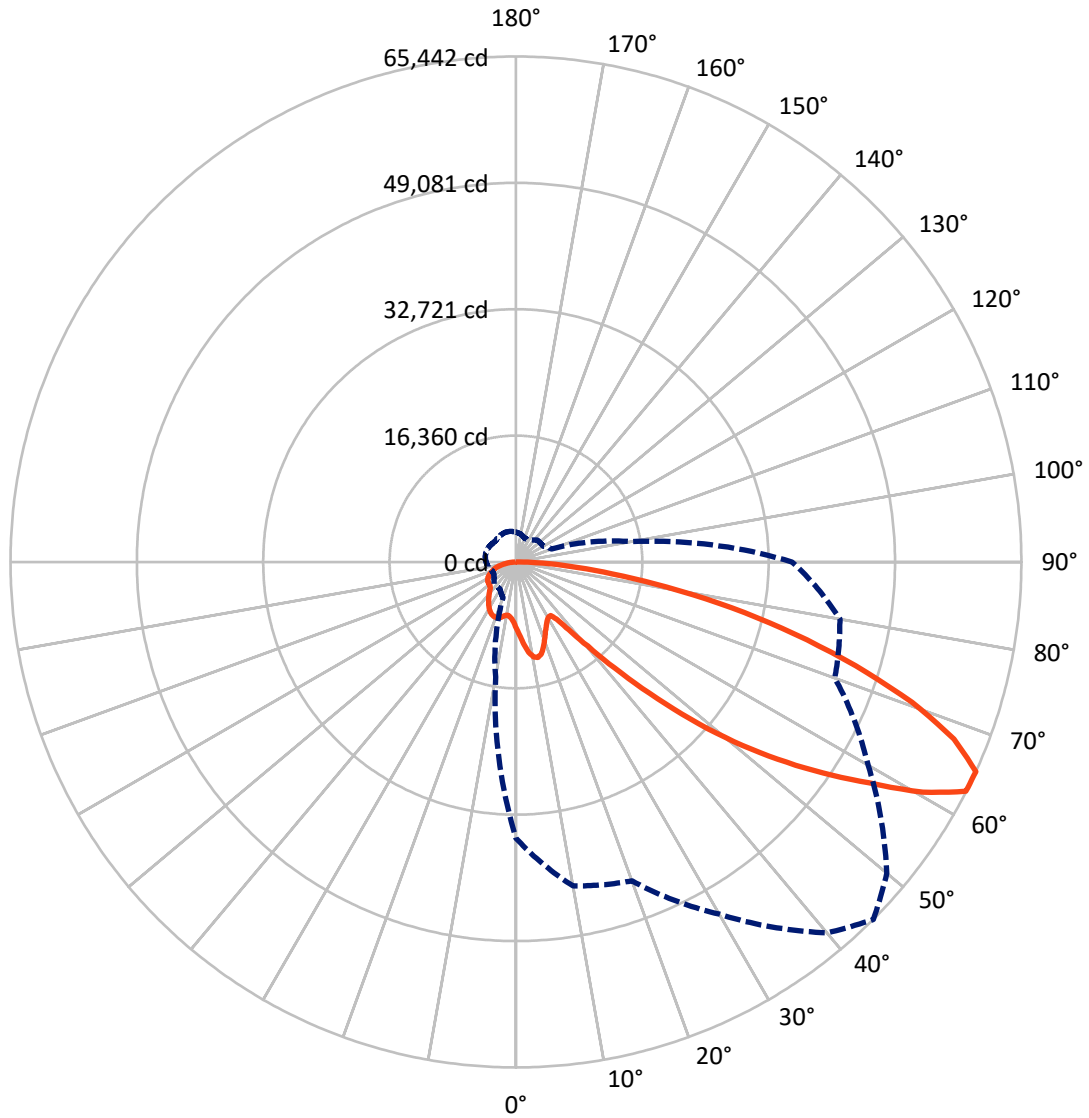
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 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
<b>House Side</b>	Lumens	15936.2	0.0	15936.2
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	46767.8	0.0	46767.8
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	62704.0	0.0	62704.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	855.3	1.4
10°-20°	2685.1	4.3
20°-30°	4147.5	6.6
30°-40°	5255.9	8.4
40°-50°	7927.2	12.6
50°-60°	12807.6	20.4
60°-70°	15966.7	25.5
70°-80°	10470.2	16.7
80°-90°	2588.5	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°	62704.0	100.0
0°-180°	62704.0	100.0



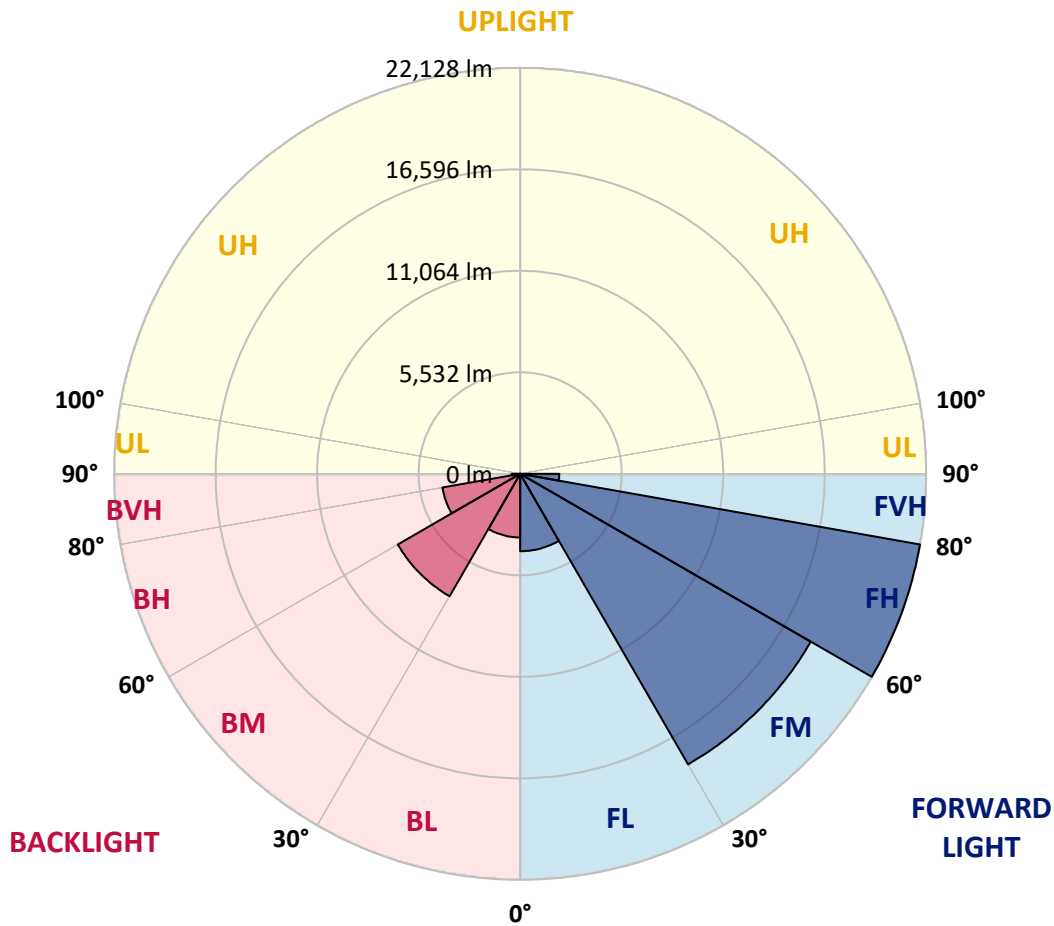
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4217.6	6.7			
FM (30°-60°)	18289.4	29.2			
FH (60°-80°)	22128.5	35.3			G5
FVH (80°-90°)	2132.3	3.4			G5
BL (0°-30°)	3470.3	5.5	B4/5000		
BM (30°-60°)	7701.3	12.3	B4/8500		
BH (60°-80°)	4308.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	456.1	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3
2.5°	9272.5	9307.6	9343.0	9392.9	9442.9	9472.7	9502.4	9517.3	9532.2	9525.6
5°	9970.6	10093.4	10216.4	10338.2	10460.3	10526.5	10592.6	10632.7	10673.0	10703.5
7.5°	10672.0	10871.9	11071.4	11251.1	11430.7	11538.9	11647.1	11705.7	11763.9	11792.0
10°	11209.7	11445.9	11682.2	11892.9	12103.7	12231.4	12358.5	12415.4	12472.0	12493.5
12.5°	11538.9	11795.0	12050.8	12241.3	12431.3	12523.9	12616.5	12647.6	12678.7	12682.1
15°	11739.1	11960.1	12180.8	12300.2	12420.0	12423.3	12426.6	12393.5	12360.5	12321.4
17.5°	11851.6	12000.8	12150.0	12152.3	12154.3	12020.3	11886.3	11763.6	11640.5	11553.8
20°	11975.7	12027.6	12079.9	11922.7	11765.6	11469.8	11174.0	10958.6	10743.2	10610.8
22.5°	12119.6	12051.4	11983.3	11657.7	11332.1	10897.0	10461.9	10192.6	9923.3	9777.1
25°	12304.9	12089.8	11874.7	11380.4	10886.1	10357.7	9829.3	9546.1	9263.6	9125.3
27.5°	12556.3	12171.9	11787.1	11132.3	10477.8	9892.2	9306.6	9028.0	8749.7	8619.0
30°	12895.5	12322.1	11749.0	10943.0	10137.0	9526.9	8916.8	8658.4	8400.0	8278.2
32.5°	13295.8	12510.7	11725.9	10814.0	9902.1	9328.7	8755.3	8552.5	8349.4	8261.7
35°	13782.2	12821.3	11860.8	10910.6	9960.7	9562.3	9164.3	9117.0	9069.7	9062.4
37.5°	14601.1	13470.8	12340.6	11477.0	10613.5	10587.7	10561.9	10778.3	10994.6	11107.1
40°	15838.5	14609.3	13380.2	12738.0	12095.8	12549.0	13002.3	13528.4	14054.5	14316.5
42.5°	17479.6	16260.0	15040.5	14670.6	14300.6	15289.3	16277.9	17234.8	18191.6	18753.4
45°	19506.1	18410.6	17314.8	17151.7	16988.3	18572.1	20156.3	21728.6	23301.2	24255.7
47.5°	22040.6	20974.9	19908.8	19875.7	19842.6	22127.6	24411.9	26713.7	29015.2	30366.8
50°	25362.5	24045.9	22729.8	22735.4	22741.0	25685.7	28630.4	31668.7	34707.1	36544.0
52.5°	29175.7	27581.6	25987.8	25826.7	25665.2	29182.6	32700.0	36459.3	40218.3	42420.2
55°	33235.4	31660.5	30085.5	29457.2	28828.9	32743.7	36658.2	41139.7	45621.3	48240.1
57.5°	36927.8	36070.2	35212.3	33952.0	32692.1	36644.9	40597.8	45673.9	50749.7	53997.2
60°	39159.5	40491.6	41824.0	40259.0	38694.0	42434.8	46175.5	51610.3	57045.1	60554.9
62.5°	38026.3	41666.2	45306.0	45129.6	44953.0	48379.7	51806.8	56977.6	62148.0	65392.1
65°	35758.2	39174.4	42590.6	43266.5	43942.2	48297.0	52652.2	57666.1	62679.7	65441.8
67.5°	32719.2	35968.3	39217.4	39534.4	39851.0	44388.5	48925.7	53961.1	58996.5	61160.4
70°	29068.1	32602.1	36136.4	36278.0	36420.0	40477.7	44535.1	48868.4	53201.4	54404.1
72.5°	24717.3	28772.7	32828.4	32930.3	33031.9	36206.5	39381.2	42626.7	45871.8	45993.5
75°	19213.3	23410.7	27608.0	27984.9	28361.7	30831.6	33301.6	35586.2	37870.8	37258.7
77.5°	13727.6	17645.7	21564.1	22103.4	22642.7	24520.4	26398.1	28018.3	29638.9	28586.7
80°	8984.6	12281.0	15577.1	16247.5	16917.8	18335.9	19753.3	20604.3	21454.9	19762.6
82.5°	5222.7	7476.2	9730.1	10478.8	11227.9	12204.0	13180.0	13535.0	13889.7	12559.6
85°	2297.9	3493.9	4690.0	5326.9	5963.8	6765.9	7567.5	7769.0	7970.5	6905.2
87.5°	711.4	1113.4	1515.4	1870.7	2226.1	2627.1	3028.1	3045.3	3062.2	2570.8
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°
8622.3	0°	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3
9532.2	2.5°	9517.3	9502.4	9472.7	9442.9	9392.9	9343.0	9307.6	9272.5	9201.4	9130.2
10673.0	5°	10632.7	10592.6	10526.5	10460.3	10338.2	10216.4	10093.4	9970.6	9813.5	9656.3
11763.9	7.5°	11705.7	11647.1	11538.9	11430.7	11251.1	11071.4	10871.9	10672.0	10412.7	10153.6
12472.0	10°	12415.4	12358.5	12231.4	12103.7	11892.9	11682.2	11445.9	11209.7	10881.8	10553.9
12678.7	12.5°	12647.6	12616.5	12523.9	12431.3	12241.3	12050.8	11795.0	11538.9	11178.6	10818.6
12360.5	15°	12393.5	12426.6	12423.3	12420.0	12300.2	12180.8	11960.1	11739.1	11363.6	10988.0
11640.5	17.5°	11763.6	11886.3	12020.3	12154.3	12152.3	12150.0	12000.8	11851.6	11470.8	11089.9
10743.2	20°	10958.6	11174.0	11469.8	11765.6	11922.7	12079.9	12027.6	11975.7	11579.9	11183.9
9923.3	22.5°	10192.6	10461.9	10897.0	11332.1	11657.7	11983.3	12051.4	12119.6	11715.3	11310.6
9263.6	25°	9546.1	9829.3	10357.7	10886.1	11380.4	11874.7	12089.8	12304.9	11908.5	11512.4
8749.7	27.5°	9028.0	9306.6	9892.2	10477.8	11132.3	11787.1	12171.9	12556.3	12178.5	11800.3
8400.0	30°	8658.4	8916.8	9526.9	10137.0	10943.0	11749.0	12322.1	12895.5	12530.2	12165.2
8349.4	32.5°	8552.5	8755.3	9328.7	9902.1	10814.0	11725.9	12510.7	13295.8	12934.2	12572.9
9069.7	35°	9117.0	9164.3	9562.3	9960.7	10910.6	11860.8	12821.3	13782.2	13436.1	13089.7
10994.6	37.5°	10778.3	10561.9	10587.7	10613.5	11477.0	12340.6	13470.8	14601.1	14159.7	13718.3
14054.5	40°	13528.4	13002.3	12549.0	12095.8	12738.0	13380.2	14609.3	15838.5	15195.3	14552.1
18191.6	42.5°	17234.8	16277.9	15289.3	14300.6	14670.6	15040.5	16260.0	17479.6	16551.2	15622.8
23301.2	45°	21728.6	20156.3	18572.1	16988.3	17151.7	17314.8	18410.6	19506.1	18253.8	17001.5
29015.2	47.5°	26713.7	24411.9	22127.6	19842.6	19875.7	19908.8	20974.9	22040.6	20278.0	18515.2
34707.1	50°	31668.7	28630.4	25685.7	22741.0	22735.4	22729.8	24045.9	25362.5	22705.3	20047.8
40218.3	52.5°	36459.3	32700.0	29182.6	25665.2	25826.7	25987.8	27581.6	29175.7	25254.9	21334.2
45621.3	55°	41139.7	36658.2	32743.7	28828.9	29457.2	30085.5	31660.5	33235.4	27515.4	21795.7
50749.7	57.5°	45673.9	40597.8	36644.9	32692.1	33952.0	35212.3	36070.2	36927.8	29117.4	21307.0
57045.1	60°	51610.3	46175.5	42434.8	38694.0	40259.0	41824.0	40491.6	39159.5	29517.8	19875.7
62148.0	62.5°	56977.6	51806.8	48379.7	44953.0	45129.6	45306.0	41666.2	38026.3	27832.0	17637.7
62679.7	65°	57666.1	52652.2	48297.0	43942.2	43266.5	42590.6	39174.4	35758.2	25446.8	15135.4
58996.5	67.5°	53961.1	48925.7	44388.5	39851.0	39534.4	39217.4	35968.3	32719.2	22608.3	12497.4
53201.4	70°	48868.4	44535.1	40477.7	36420.0	36278.0	36136.4	32602.1	29068.1	19511.1	9954.1
45871.8	72.5°	42626.7	39381.2	36206.5	33031.9	32930.3	32828.4	28772.7	24717.3	16153.5	7590.0
37870.8	75°	35586.2	33301.6	30831.6	28361.7	27984.9	27608.0	23410.7	19213.3	12304.5	5395.7
29638.9	77.5°	28018.3	26398.1	24520.4	22642.7	22103.4	21564.1	17645.7	13727.6	8612.1	3496.6
21454.9	80°	20604.3	19753.3	18335.9	16917.8	16247.5	15577.1	12281.0	8984.6	5548.6	2112.6
13889.7	82.5°	13535.0	13180.0	12204.0	11227.9	10478.8	9730.1	7476.2	5222.7	3211.4	1200.4
7970.5	85°	7769.0	7567.5	6765.9	5963.8	5326.9	4690.0	3493.9	2297.9	1444.6	591.6
3062.2	87.5°	3045.3	3028.1	2627.1	2226.1	1870.7	1515.4	1113.4	711.4	473.1	234.9
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
8622.3	0°	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3
9054.4	2.5°	8979.0	8902.9	8826.8	8754.0	8681.2	8610.8	8532.3	8468.8	8405.6	8348.4
9499.5	5°	9343.0	9185.1	9027.6	8880.4	8733.2	8594.2	8456.9	8337.1	8217.0	8116.4
9914.0	7.5°	9674.5	9441.2	9208.0	9002.5	8797.0	8607.5	8429.8	8270.3	8111.2	7978.8
10237.3	10°	9921.0	9637.8	9354.2	9111.4	8867.8	8633.9	8443.0	8274.9	8106.9	7974.5
10460.0	12.5°	10101.3	9767.1	9433.0	9158.0	8883.1	8637.2	8459.6	8321.9	8184.9	8096.9
10598.9	15°	10209.8	9825.0	9440.2	9121.9	8803.7	8531.4	8389.1	8323.2	8257.7	8269.6
10665.4	17.5°	10240.9	9794.3	9347.6	8964.8	8582.0	8261.7	8174.0	8198.2	8222.0	8366.3
10717.4	20°	10250.9	9709.6	9168.3	8693.8	8219.3	7846.5	7823.3	7935.8	8048.3	8298.8
10787.5	22.5°	10264.1	9605.7	8947.2	8375.8	7804.4	7379.9	7425.3	7591.7	7758.1	8044.0
10914.6	25°	10316.4	9503.1	8690.2	8020.8	7351.8	6916.7	7039.2	7231.1	7423.0	7680.0
11113.1	27.5°	10425.6	9434.6	8443.7	7696.2	6948.8	6552.8	6701.7	6887.0	7072.2	7283.7
11370.2	30°	10575.1	9402.5	8229.3	7424.9	6620.6	6288.1	6404.9	6551.8	6699.4	6874.7
11638.5	32.5°	10704.1	9362.8	8020.8	7191.0	6360.9	6092.9	6144.8	6231.8	6318.9	6458.8
11944.2	35°	10798.8	9288.0	7778.0	6961.1	6144.2	5920.8	5899.3	5923.1	5947.3	6054.2
12286.7	37.5°	10855.0	9160.0	7465.0	6690.4	5915.9	5720.7	5641.9	5615.4	5589.0	5665.7
12721.4	40°	10890.4	8983.6	7077.2	6367.5	5657.8	5480.8	5360.0	5300.1	5240.2	5295.5
13290.2	42.5°	10957.6	8801.7	6646.4	6011.2	5375.9	5212.8	5060.6	4981.2	4901.8	4946.8
14038.6	45°	11075.7	8632.6	6189.8	5632.6	5075.5	4910.0	4762.8	4685.4	4608.3	4646.0
14836.0	47.5°	11156.8	8493.0	5829.2	5333.2	4837.2	4623.8	4497.1	4432.3	4367.4	4403.2
15575.8	50°	11103.8	8340.8	5577.7	5134.4	4691.0	4410.4	4263.2	4205.6	4148.4	4204.0
16056.2	52.5°	10777.9	8083.7	5389.8	5003.3	4617.2	4294.6	4088.8	4031.9	3975.3	4059.1
15950.3	55°	10104.6	7657.5	5210.5	4908.4	4606.3	4306.2	3996.2	3906.2	3816.5	3935.3
15205.2	57.5°	9103.7	7056.7	5009.3	4795.9	4582.5	4317.8	3940.6	3809.6	3678.6	3806.3
13818.6	60°	7761.4	6276.5	4791.6	4623.8	4456.1	4281.4	3888.3	3718.6	3548.5	3660.7
11943.6	62.5°	6249.4	5342.8	4436.2	4324.7	4213.6	4192.1	3827.4	3615.0	3402.9	3474.1
10030.5	65°	4925.9	4502.7	4079.6	4027.0	3974.3	3977.0	3699.1	3473.4	3247.4	3274.9
8156.5	67.5°	3815.5	3695.4	3575.0	3604.4	3633.6	3626.3	3470.1	3282.2	3094.2	3085.6
6422.1	70°	2890.1	2924.5	2958.6	3094.9	3230.9	3230.9	3179.6	3045.9	2912.3	2882.5
4909.7	72.5°	2229.4	2332.9	2436.8	2630.0	2822.9	2855.4	2856.0	2764.4	2672.7	2629.1
3563.4	75°	1731.1	1825.1	1919.0	2135.4	2351.8	2501.3	2488.8	2418.3	2347.5	2305.8
2414.7	77.5°	1332.7	1396.6	1460.8	1670.9	1881.0	2127.5	2120.8	2064.3	2007.7	1965.3
1555.7	80°	999.2	1025.7	1052.2	1230.2	1407.8	1702.3	1701.3	1654.0	1606.3	1570.9
956.9	82.5°	714.0	718.6	723.9	855.0	986.0	1237.4	1251.3	1228.2	1205.0	1179.9
511.5	85°	431.8	429.5	426.8	522.8	618.7	805.7	823.9	799.0	774.2	746.1
212.1	87.5°	189.3	186.9	184.6	223.7	263.0	340.8	364.0	354.0	344.1	338.8
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°
8622.3	0°	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3
8291.5	2.5°	8241.5	8191.6	8141.3	8091.3	8052.6	8013.5	7982.1	7950.7	7926.2	7901.7
8016.2	5°	7927.5	7838.9	7758.5	7677.7	7615.8	7553.6	7510.3	7467.0	7436.2	7405.4
7846.5	7.5°	7735.0	7623.1	7524.5	7426.3	7352.5	7279.0	7227.4	7175.8	7140.4	7105.3
7842.2	10°	7722.1	7601.6	7490.8	7379.9	7291.9	7203.6	7146.0	7087.8	7054.4	7021.0
8009.6	12.5°	7915.0	7821.0	7706.2	7591.7	7479.2	7366.7	7292.3	7217.8	7180.4	7143.4
8281.5	15°	8257.1	8232.6	8133.0	8033.4	7873.3	7713.1	7600.0	7486.8	7434.9	7383.3
8510.5	17.5°	8587.3	8663.7	8583.3	8503.2	8291.1	8079.1	7912.3	7745.5	7668.8	7591.7
8549.5	20°	8710.0	8870.5	8833.4	8796.0	8553.5	8311.3	8106.9	7902.7	7804.4	7705.8
8330.5	22.5°	8539.3	8748.1	8770.6	8792.7	8561.1	8329.5	8119.1	7908.3	7804.8	7700.9
7937.4	25°	8142.9	8348.4	8425.1	8501.6	8311.7	8122.1	7934.8	7748.2	7658.2	7568.5
7494.8	27.5°	7659.5	7824.3	7909.7	7995.4	7860.0	7725.0	7579.8	7434.5	7374.3	7313.8
7050.1	30°	7186.7	7323.7	7393.2	7462.7	7359.8	7256.5	7152.6	7048.1	7017.3	6986.2
6599.1	32.5°	6730.1	6861.5	6938.6	7016.0	6921.4	6826.4	6743.4	6660.3	6640.1	6619.9
6160.7	35°	6290.4	6420.4	6513.1	6605.7	6538.2	6471.1	6394.3	6317.9	6287.1	6256.7
5742.2	37.5°	5871.5	6001.2	6115.7	6230.2	6199.1	6168.0	6097.5	6026.7	5970.8	5915.2
5350.7	40°	5475.8	5600.9	5732.6	5864.6	5872.2	5879.5	5819.6	5759.7	5678.3	5597.6
4992.1	42.5°	5110.5	5229.3	5371.6	5513.9	5551.9	5590.0	5539.3	5489.0	5388.1	5287.2
4684.4	45°	4796.9	4909.4	5056.9	5204.5	5259.1	5313.7	5268.0	5222.7	5107.2	4992.1
4438.6	47.5°	4548.7	4658.6	4804.2	4949.7	5012.6	5075.5	5043.7	5011.9	4909.4	4806.8
4259.9	50°	4363.8	4467.3	4597.7	4728.1	4808.8	4889.5	4887.5	4886.2	4804.2	4722.1
4142.4	52.5°	4237.7	4332.7	4454.1	4575.9	4671.5	4767.1	4784.3	4801.5	4734.7	4667.8
4053.8	55°	4156.3	4258.9	4365.4	4471.6	4572.9	4674.5	4698.3	4722.1	4663.9	4605.6
3934.0	57.5°	4054.4	4174.9	4280.1	4385.6	4487.9	4589.8	4613.9	4638.1	4579.2	4520.3
3772.5	60°	3910.8	4049.1	4156.0	4263.2	4365.8	4468.3	4494.8	4521.3	4463.7	4406.5
3545.2	62.5°	3706.3	3867.8	3982.0	4096.1	4190.1	4284.0	4309.5	4335.0	4283.0	4231.1
3302.0	65°	3474.7	3647.8	3757.0	3866.2	3948.9	4031.6	4057.7	4083.5	4033.6	3983.6
3077.0	67.5°	3236.5	3396.3	3499.9	3603.1	3674.6	3746.1	3771.5	3796.7	3750.7	3705.0
2852.7	70°	2993.0	3133.3	3222.6	3312.0	3376.5	3441.0	3465.5	3490.0	3452.6	3415.2
2585.7	72.5°	2696.2	2806.4	2887.1	2967.9	3031.1	3094.2	3123.4	3152.5	3121.4	3090.3
2263.8	75°	2345.8	2427.9	2501.0	2574.1	2631.7	2689.3	2719.7	2750.1	2734.9	2719.7
1923.0	77.5°	1989.8	2056.3	2119.2	2182.1	2242.6	2302.8	2331.3	2359.7	2338.6	2316.7
1535.2	80°	1590.8	1646.1	1699.0	1751.9	1797.9	1843.6	1881.3	1919.0	1909.8	1900.8
1154.7	82.5°	1150.1	1145.5	1126.9	1108.4	1206.3	1304.3	1368.5	1432.6	1428.7	1424.4
718.0	85°	694.2	670.0	618.7	567.4	659.1	751.1	830.5	909.9	903.3	896.6
333.5	87.5°	332.5	331.5	292.5	253.1	291.5	330.2	362.3	394.4	386.5	377.8
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°
8622.3	0°	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3
7879.2	2.5°	7856.4	7828.3	7856.4	7879.2	7901.7	7926.2	7950.7	7982.1	8013.5	8052.6
7381.9	5°	7358.4	7335.3	7358.4	7381.9	7405.4	7436.2	7467.0	7510.3	7553.6	7615.8
7084.1	7.5°	7063.3	7047.4	7063.3	7084.1	7105.3	7140.4	7175.8	7227.4	7279.0	7352.5
7003.1	10°	6985.2	6977.9	6985.2	7003.1	7021.0	7054.4	7087.8	7146.0	7203.6	7291.9
7128.2	12.5°	7112.9	7110.3	7112.9	7128.2	7143.4	7180.4	7217.8	7292.3	7366.7	7479.2
7363.4	15°	7343.5	7341.9	7343.5	7363.4	7383.3	7434.9	7486.8	7600.0	7713.1	7873.3
7566.6	17.5°	7541.1	7537.1	7541.1	7566.6	7591.7	7668.8	7745.5	7912.3	8079.1	8291.1
7674.4	20°	7643.0	7633.1	7643.0	7674.4	7705.8	7804.4	7902.7	8106.9	8311.3	8553.5
7666.1	22.5°	7631.4	7616.5	7631.4	7666.1	7700.9	7804.8	7908.3	8119.1	8329.5	8561.1
7535.8	25°	7503.4	7484.2	7503.4	7535.8	7568.5	7658.2	7748.2	7934.8	8122.1	8311.7
7298.9	27.5°	7284.0	7279.0	7284.0	7298.9	7313.8	7374.3	7434.5	7579.8	7725.0	7860.0
6986.2	30°	6986.2	6991.2	6986.2	6986.2	6986.2	7017.3	7048.1	7152.6	7256.5	7359.8
6622.6	32.5°	6625.6	6630.5	6625.6	6622.6	6619.9	6640.1	6660.3	6743.4	6826.4	6921.4
6250.0	35°	6243.4	6240.1	6243.4	6250.0	6256.7	6287.1	6317.9	6394.3	6471.1	6538.2
5885.8	37.5°	5856.3	5839.8	5856.3	5885.8	5915.2	5970.8	6026.7	6097.5	6168.0	6199.1
5542.6	40°	5488.4	5456.0	5488.4	5542.6	5597.6	5678.3	5759.7	5819.6	5879.5	5872.2
5207.5	42.5°	5127.7	5075.5	5127.7	5207.5	5287.2	5388.1	5489.0	5539.3	5590.0	5551.9
4898.5	45°	4804.8	4744.6	4804.8	4898.5	4992.1	5107.2	5222.7	5268.0	5313.7	5259.1
4720.1	47.5°	4633.8	4575.9	4633.8	4720.1	4806.8	4909.4	5011.9	5043.7	5075.5	5012.6
4642.0	50°	4562.0	4506.4	4562.0	4642.0	4722.1	4804.2	4886.2	4887.5	4889.5	4808.8
4596.0	52.5°	4524.6	4473.3	4524.6	4596.0	4667.8	4734.7	4801.5	4784.3	4767.1	4671.5
4542.8	55°	4479.9	4433.6	4479.9	4542.8	4605.6	4663.9	4722.1	4698.3	4674.5	4572.9
4458.1	57.5°	4395.5	4347.6	4395.5	4458.1	4520.3	4579.2	4638.1	4613.9	4589.8	4487.9
4342.3	60°	4278.1	4228.5	4278.1	4342.3	4406.5	4463.7	4521.3	4494.8	4468.3	4365.8
4163.6	62.5°	4096.1	4036.6	4096.1	4163.6	4231.1	4283.0	4335.0	4309.5	4284.0	4190.1
3918.1	65°	3852.9	3801.6	3852.9	3918.1	3983.6	4033.6	4083.5	4057.7	4031.6	3948.9
3644.1	67.5°	3583.3	3536.9	3583.3	3644.1	3705.0	3750.7	3796.7	3771.5	3746.1	3674.6
3357.0	70°	3298.7	3245.8	3298.7	3357.0	3415.2	3452.6	3490.0	3465.5	3441.0	3376.5
3034.7	72.5°	2979.4	2928.2	2979.4	3034.7	3090.3	3121.4	3152.5	3123.4	3094.2	3031.1
2673.1	75°	2626.4	2577.4	2626.4	2673.1	2719.7	2734.9	2750.1	2719.7	2689.3	2631.7
2269.7	77.5°	2222.8	2183.7	2222.8	2269.7	2316.7	2338.6	2359.7	2331.3	2302.8	2242.6
1837.6	80°	1774.1	1700.6	1774.1	1837.6	1900.8	1909.8	1919.0	1881.3	1843.6	1797.9
1371.1	82.5°	1317.5	1270.5	1317.5	1371.1	1424.4	1428.7	1432.6	1368.5	1304.3	1206.3
855.0	85°	813.3	770.9	813.3	855.0	896.6	903.3	909.9	830.5	751.1	659.1
356.7	87.5°	334.8	314.3	334.8	356.7	377.8	386.5	394.4	362.3	330.2	291.5
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°
8622.3	0°	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3
8091.3	2.5°	8141.3	8191.6	8241.5	8291.5	8348.4	8405.6	8468.8	8532.3	8610.8	8681.2
7677.7	5°	7758.5	7838.9	7927.5	8016.2	8116.4	8217.0	8337.1	8456.9	8594.2	8733.2
7426.3	7.5°	7524.5	7623.1	7735.0	7846.5	7978.8	8111.2	8270.3	8429.8	8607.5	8797.0
7379.9	10°	7490.8	7601.6	7722.1	7842.2	7974.5	8106.9	8274.9	8443.0	8633.9	8867.8
7591.7	12.5°	7706.2	7821.0	7915.0	8009.6	8096.9	8184.9	8321.9	8459.6	8637.2	8883.1
8033.4	15°	8133.0	8232.6	8257.1	8281.5	8269.6	8257.7	8323.2	8389.1	8531.4	8803.7
8503.2	17.5°	8583.3	8663.7	8587.3	8510.5	8366.3	8222.0	8198.2	8174.0	8261.7	8582.0
8796.0	20°	8833.4	8870.5	8710.0	8549.5	8298.8	8048.3	7935.8	7823.3	7846.5	8219.3
8792.7	22.5°	8770.6	8748.1	8539.3	8330.5	8044.0	7758.1	7591.7	7425.3	7379.9	7804.4
8501.6	25°	8425.1	8348.4	8142.9	7937.4	7680.0	7423.0	7231.1	7039.2	6916.7	7351.8
7995.4	27.5°	7909.7	7824.3	7659.5	7494.8	7283.7	7072.2	6887.0	6701.7	6552.8	6948.8
7462.7	30°	7393.2	7323.7	7186.7	7050.1	6874.7	6699.4	6551.8	6404.9	6288.1	6620.6
7016.0	32.5°	6938.6	6861.5	6730.1	6599.1	6458.8	6318.9	6231.8	6144.8	6092.9	6360.9
6605.7	35°	6513.1	6420.4	6290.4	6160.7	6054.2	5947.3	5923.1	5899.3	5920.8	6144.2
6230.2	37.5°	6115.7	6001.2	5871.5	5742.2	5665.7	5589.0	5615.4	5641.9	5720.7	5915.9
5864.6	40°	5732.6	5600.9	5475.8	5350.7	5295.5	5240.2	5300.1	5360.0	5480.8	5657.8
5513.9	42.5°	5371.6	5229.3	5110.5	4992.1	4946.8	4901.8	4981.2	5060.6	5212.8	5375.9
5204.5	45°	5056.9	4909.4	4796.9	4684.4	4646.0	4608.3	4685.4	4762.8	4910.0	5075.5
4949.7	47.5°	4804.2	4658.6	4548.7	4438.6	4403.2	4367.4	4432.3	4497.1	4623.8	4837.2
4728.1	50°	4597.7	4467.3	4363.8	4259.9	4204.0	4148.4	4205.6	4263.2	4410.4	4691.0
4575.9	52.5°	4454.1	4332.7	4237.7	4142.4	4059.1	3975.3	4031.9	4088.8	4294.6	4617.2
4471.6	55°	4365.4	4258.9	4156.3	4053.8	3935.3	3816.5	3906.2	3996.2	4306.2	4606.3
4385.6	57.5°	4280.1	4174.9	4054.4	3934.0	3806.3	3678.6	3809.6	3940.6	4317.8	4582.5
4263.2	60°	4156.0	4049.1	3910.8	3772.5	3660.7	3548.5	3718.6	3888.3	4281.4	4456.1
4096.1	62.5°	3982.0	3867.8	3706.3	3545.2	3474.1	3402.9	3615.0	3827.4	4192.1	4213.6
3866.2	65°	3757.0	3647.8	3474.7	3302.0	3274.9	3247.4	3473.4	3699.1	3977.0	3974.3
3603.1	67.5°	3499.9	3396.3	3236.5	3077.0	3085.6	3094.2	3282.2	3470.1	3626.3	3633.6
3312.0	70°	3222.6	3133.3	2993.0	2852.7	2882.5	2912.3	3045.9	3179.6	3230.9	3230.9
2967.9	72.5°	2887.1	2806.4	2696.2	2585.7	2629.1	2672.7	2764.4	2856.0	2855.4	2822.9
2574.1	75°	2501.0	2427.9	2345.8	2263.8	2305.8	2347.5	2418.3	2488.8	2501.3	2351.8
2182.1	77.5°	2119.2	2056.3	1989.8	1923.0	1965.3	2007.7	2064.3	2120.8	2127.5	1881.0
1751.9	80°	1699.0	1646.1	1590.8	1535.2	1570.9	1606.3	1654.0	1701.3	1702.3	1407.8
1108.4	82.5°	1126.9	1145.5	1150.1	1154.7	1179.9	1205.0	1228.2	1251.3	1237.4	986.0
567.4	85°	618.7	670.0	694.2	718.0	746.1	774.2	799.0	823.9	805.7	618.7
253.1	87.5°	292.5	331.5	332.5	333.5	338.8	344.1	354.0	364.0	340.8	263.0
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°
8622.3	0°	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3	8622.3
8754.0	2.5°	8826.8	8902.9	8979.0	9054.4	9130.2	9201.4	9272.5
8880.4	5°	9027.6	9185.1	9343.0	9499.5	9656.3	9813.5	9970.6
9002.5	7.5°	9208.0	9441.2	9674.5	9914.0	10153.6	10412.7	10672.0
9111.4	10°	9354.2	9637.8	9921.0	10237.3	10553.9	10881.8	11209.7
9158.0	12.5°	9433.0	9767.1	10101.3	10460.0	10818.6	11178.6	11538.9
9121.9	15°	9440.2	9825.0	10209.8	10598.9	10988.0	11363.6	11739.1
8964.8	17.5°	9347.6	9794.3	10240.9	10665.4	11089.9	11470.8	11851.6
8693.8	20°	9168.3	9709.6	10250.9	10717.4	11183.9	11579.9	11975.7
8375.8	22.5°	8947.2	9605.7	10264.1	10787.5	11310.6	11715.3	12119.6
8020.8	25°	8690.2	9503.1	10316.4	10914.6	11512.4	11908.5	12304.9
7696.2	27.5°	8443.7	9434.6	10425.6	11113.1	11800.3	12178.5	12556.3
7424.9	30°	8229.3	9402.5	10575.1	11370.2	12165.2	12530.2	12895.5
7191.0	32.5°	8020.8	9362.8	10704.1	11638.5	12572.9	12934.2	13295.8
6961.1	35°	7778.0	9288.0	10798.8	11944.2	13089.7	13436.1	13782.2
6690.4	37.5°	7465.0	9160.0	10855.0	12286.7	13718.3	14159.7	14601.1
6367.5	40°	7077.2	8983.6	10890.4	12721.4	14552.1	15195.3	15838.5
6011.2	42.5°	6646.4	8801.7	10957.6	13290.2	15622.8	16551.2	17479.6
5632.6	45°	6189.8	8632.6	11075.7	14038.6	17001.5	18253.8	19506.1
5333.2	47.5°	5829.2	8493.0	11156.8	14836.0	18515.2	20278.0	22040.6
5134.4	50°	5577.7	8340.8	11103.8	15575.8	20047.8	22705.3	25362.5
5003.3	52.5°	5389.8	8083.7	10777.9	16056.2	21334.2	25254.9	29175.7
4908.4	55°	5210.5	7657.5	10104.6	15950.3	21795.7	27515.4	33235.4
4795.9	57.5°	5009.3	7056.7	9103.7	15205.2	21307.0	29117.4	36927.8
4623.8	60°	4791.6	6276.5	7761.4	13818.6	19875.7	29517.8	39159.5
4324.7	62.5°	4436.2	5342.8	6249.4	11943.6	17637.7	27832.0	38026.3
4027.0	65°	4079.6	4502.7	4925.9	10030.5	15135.4	25446.8	35758.2
3604.4	67.5°	3575.0	3695.4	3815.5	8156.5	12497.4	22608.3	32719.2
3094.9	70°	2958.6	2924.5	2890.1	6422.1	9954.1	19511.1	29068.1
2630.0	72.5°	2436.8	2332.9	2229.4	4909.7	7590.0	16153.5	24717.3
2135.4	75°	1919.0	1825.1	1731.1	3563.4	5395.7	12304.5	19213.3
1670.9	77.5°	1460.8	1396.6	1332.7	2414.7	3496.6	8612.1	13727.6
1230.2	80°	1052.2	1025.7	999.2	1555.7	2112.6	5548.6	8984.6
855.0	82.5°	723.9	718.6	714.0	956.9	1200.4	3211.4	5222.7
522.8	85°	426.8	429.5	431.8	511.5	591.6	1444.6	2297.9
223.7	87.5°	184.6	186.9	189.3	212.1	234.9	473.1	711.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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