

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: P956054

Luminaire Tested: **GALN-SB8D-827-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956054  
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-SB8D-827-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

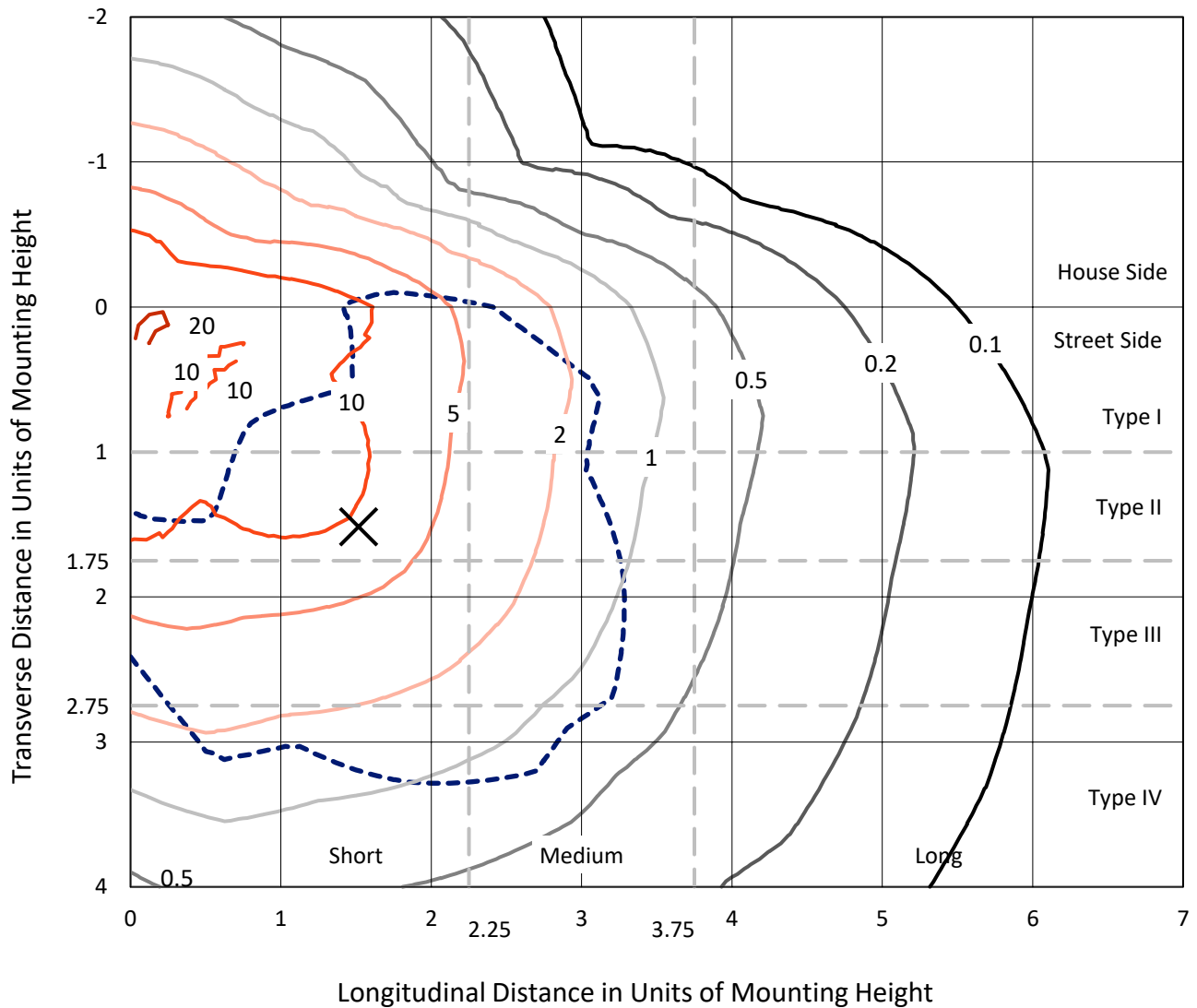
Lumens per Lamp: N/A  
Luminaire Lumens: 71296 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): 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

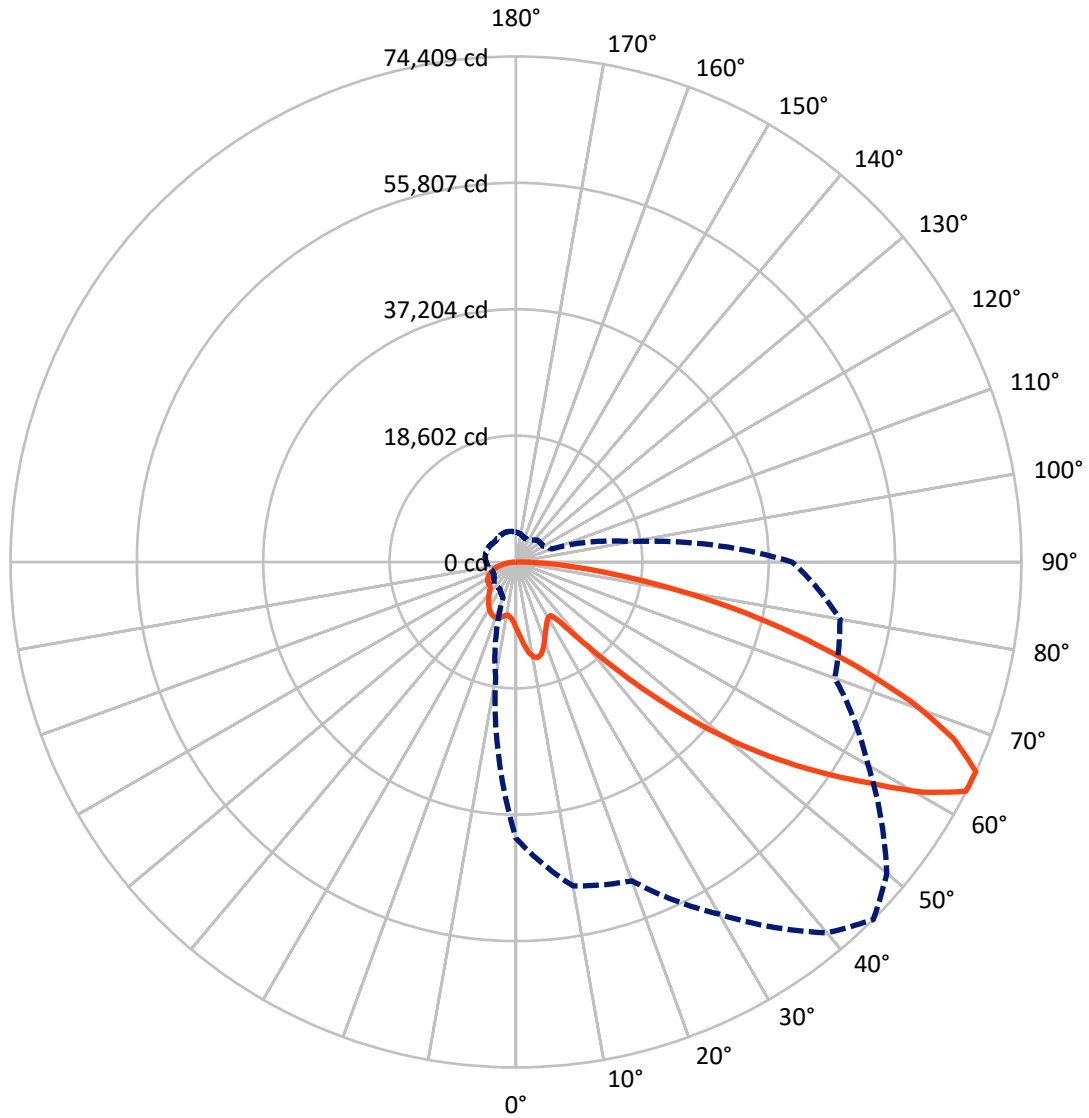
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.7 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	18119.9	0.0	18119.9
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	53176.1	0.0	53176.1
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	71296.0	0.0	71296.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	972.5	1.4
10°-20°	3053.0	4.3
20°-30°	4715.8	6.6
30°-40°	5976.1	8.4
40°-50°	9013.5	12.6
50°-60°	14562.6	20.4
60°-70°	18154.6	25.5
70°-80°	11904.9	16.7
80°-90°	2943.2	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°	71296.0	100.0
0°-180°	71296.0	100.0

**Coefficient of Utilization**



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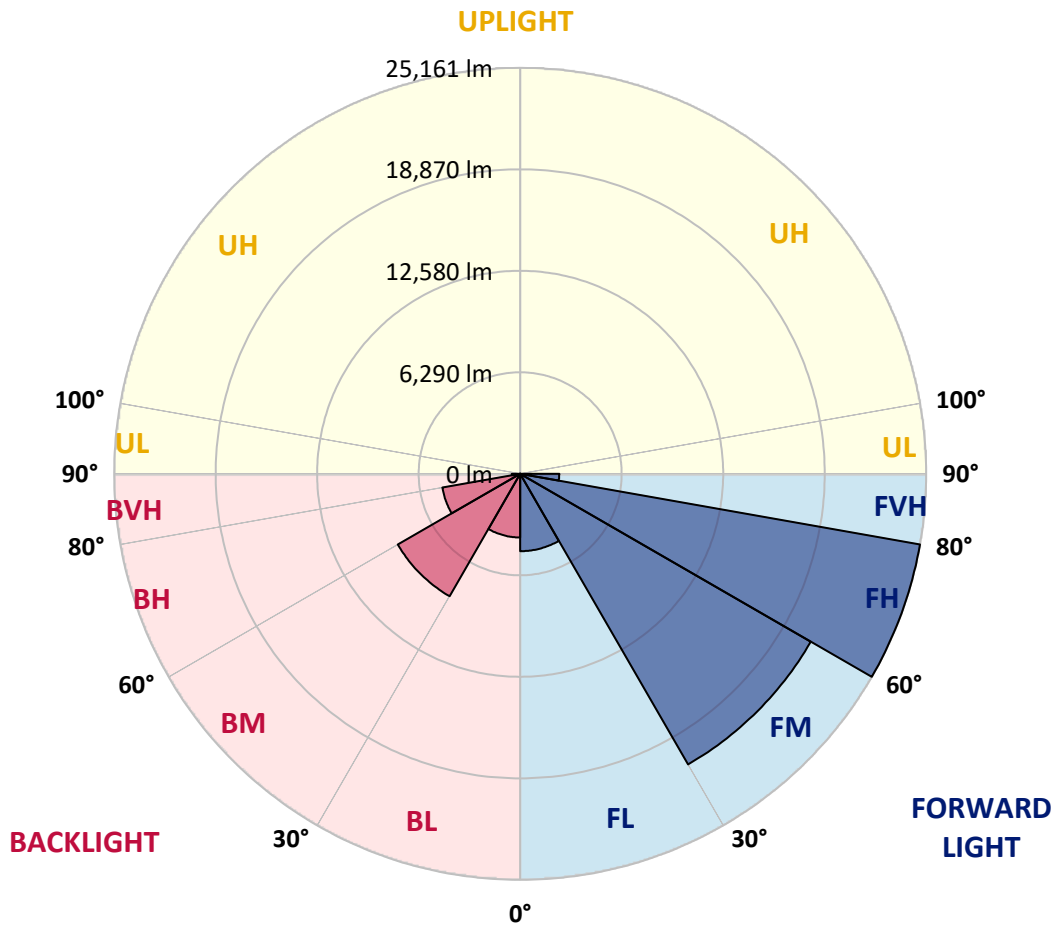
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4795.5	6.7			
FM (30°-60°)	20795.5	29.2			
FH (60°-80°)	25160.6	35.3			G5
FVH (80°-90°)	2424.5	3.4			G5
BL (0°-30°)	3945.8	5.5	B4/5000		
BM (30°-60°)	8756.6	12.3	B5		
BH (60°-80°)	4898.8	6.9	B4/5000		G4/5000
BVH (80°-90°)	518.6	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°	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8
2.5°	10543.1	10582.9	10623.2	10680.0	10736.8	10770.7	10804.5	10821.4	10838.4	10830.8
5°	11336.8	11476.4	11616.4	11754.8	11893.6	11968.9	12044.1	12089.6	12135.5	12170.1
7.5°	12134.4	12361.6	12588.5	12792.7	12997.0	13120.0	13243.0	13309.6	13375.8	13407.8
10°	12745.7	13014.3	13282.9	13522.6	13762.2	13907.4	14051.9	14116.6	14180.9	14205.4
12.5°	13120.0	13411.2	13702.0	13918.7	14134.6	14240.0	14345.3	14380.7	14416.0	14419.8
15°	13347.6	13598.9	13849.9	13985.7	14121.9	14125.6	14129.4	14091.8	14054.1	14009.7
17.5°	13475.5	13645.2	13814.9	13817.5	13819.8	13667.4	13515.0	13375.5	13235.5	13137.0
20°	13616.6	13675.7	13735.1	13556.4	13377.7	13041.4	12705.1	12460.2	12215.3	12064.8
22.5°	13780.3	13702.8	13625.3	13255.1	12884.9	12390.2	11895.5	11589.3	11283.0	11116.8
25°	13990.9	13746.4	13501.9	12939.8	12377.8	11777.0	11176.2	10854.2	10532.9	10375.6
27.5°	14276.9	13839.7	13402.2	12657.7	11913.6	11247.7	10581.8	10265.0	9948.7	9800.1
30°	14662.5	14010.5	13358.9	12442.5	11526.1	10832.3	10138.6	9844.8	9551.0	9412.6
32.5°	15117.7	14224.9	13332.6	12295.8	11259.0	10607.0	9955.0	9724.4	9493.4	9393.8
35°	15670.7	14578.2	13486.1	12405.6	11325.5	10872.6	10420.0	10366.2	10312.4	10304.2
37.5°	16601.8	15316.7	14031.6	13049.7	12067.8	12038.5	12009.1	12255.1	12501.2	12629.1
40°	18008.8	16611.2	15213.6	14483.4	13753.2	14268.6	14784.0	15382.1	15980.3	16278.2
42.5°	19874.7	18488.1	17101.4	16680.8	16260.2	17384.3	18508.4	19596.3	20684.3	21323.1
45°	22179.0	20933.4	19687.4	19501.9	19316.1	21116.9	22918.2	24705.9	26494.0	27579.3
47.5°	25060.7	23848.9	22636.8	22599.2	22561.6	25159.6	27756.9	30374.1	32991.0	34527.8
50°	28837.7	27340.8	25844.3	25850.7	25857.1	29205.3	32553.5	36008.1	39462.8	41551.5
52.5°	33173.5	31360.9	29548.8	29365.5	29182.0	33181.4	37180.8	41455.2	45729.2	48232.8
55°	37789.5	35998.7	34208.0	33493.6	32779.2	37230.4	41681.3	46776.9	51872.6	54850.2
57.5°	41987.9	41012.7	40037.3	38604.3	37171.7	41666.2	46160.7	51932.4	57703.7	61396.1
60°	44525.3	46039.9	47554.9	45775.5	43996.0	48249.4	52502.7	58682.2	64861.7	68852.4
62.5°	43236.9	47375.4	51514.0	51313.5	51112.6	55009.0	58905.6	64784.9	70663.8	74352.5
65°	40658.0	44542.3	48426.6	49195.1	49963.3	54914.9	59866.8	65567.8	71268.4	74408.9
67.5°	37202.6	40896.9	44591.2	44951.6	45311.6	50470.8	55629.7	61355.1	67080.5	69540.9
70°	33051.2	37069.4	41088.0	41249.0	41410.4	46024.1	50637.5	55564.6	60491.3	61858.8
72.5°	28104.1	32715.2	37326.7	37442.6	37558.1	41167.7	44777.4	48467.6	52157.3	52295.8
75°	21846.0	26618.5	31391.0	31819.5	32248.0	35056.3	37864.7	40462.4	43060.0	42364.1
77.5°	15608.6	20063.6	24518.9	25132.1	25745.4	27880.3	30015.2	31857.5	33700.1	32503.8
80°	10215.8	13963.9	17711.6	18473.8	19235.9	20848.3	22460.0	23427.6	24394.8	22470.5
82.5°	5938.3	8500.7	11063.3	11914.7	12766.4	13876.2	14986.0	15389.7	15792.9	14280.6
85°	2612.7	3972.7	5332.7	6056.8	6781.0	7692.9	8604.5	8833.6	9062.7	7851.3
87.5°	808.8	1265.9	1723.0	2127.0	2531.1	2987.0	3443.0	3462.6	3481.7	2923.1
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°
9803.8	0°	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8
10838.4	2.5°	10821.4	10804.5	10770.7	10736.8	10680.0	10623.2	10582.9	10543.1	10462.2	10381.3
12135.5	5°	12089.6	12044.1	11968.9	11893.6	11754.8	11616.4	11476.4	11336.8	11158.1	10979.4
13375.8	7.5°	13309.6	13243.0	13120.0	12997.0	12792.7	12588.5	12361.6	12134.4	11839.4	11544.9
14180.9	10°	14116.6	14051.9	13907.4	13762.2	13522.6	13282.9	13014.3	12745.7	12372.9	12000.1
14416.0	12.5°	14380.7	14345.3	14240.0	14134.6	13918.7	13702.0	13411.2	13120.0	12710.3	12301.0
14054.1	15°	14091.8	14129.4	14125.6	14121.9	13985.7	13849.9	13598.9	13347.6	12920.6	12493.7
13235.5	17.5°	13375.5	13515.0	13667.4	13819.8	13817.5	13814.9	13645.2	13475.5	13042.5	12609.5
12215.3	20°	12460.2	12705.1	13041.4	13377.7	13556.4	13735.1	13675.7	13616.6	13166.7	12716.4
11283.0	22.5°	11589.3	11895.5	12390.2	12884.9	13255.1	13625.3	13702.8	13780.3	13320.5	12860.5
10532.9	25°	10854.2	11176.2	11777.0	12377.8	12939.8	13501.9	13746.4	13990.9	13540.2	13089.9
9948.7	27.5°	10265.0	10581.8	11247.7	11913.6	12657.7	13402.2	13839.7	14276.9	13847.2	13417.2
9551.0	30°	9844.8	10138.6	10832.3	11526.1	12442.5	13358.9	14010.5	14662.5	14247.1	13832.2
9493.4	32.5°	9724.4	9955.0	10607.0	11259.0	12295.8	13332.6	14224.9	15117.7	14706.5	14295.7
10312.4	35°	10366.2	10420.0	10872.6	11325.5	12405.6	13486.1	14578.2	15670.7	15277.2	14883.3
12501.2	37.5°	12255.1	12009.1	12038.5	12067.8	13049.7	14031.6	15316.7	16601.8	16099.9	15598.1
15980.3	40°	15382.1	14784.0	14268.6	13753.2	14483.4	15213.6	16611.2	18008.8	17277.4	16546.1
20684.3	42.5°	19596.3	18508.4	17384.3	16260.2	16680.8	17101.4	18488.1	19874.7	18819.1	17763.5
26494.0	45°	24705.9	22918.2	21116.9	19316.1	19501.9	19687.4	20933.4	22179.0	20755.0	19331.1
32991.0	47.5°	30374.1	27756.9	25159.6	22561.6	22599.2	22636.8	23848.9	25060.7	23056.6	21052.2
39462.8	50°	36008.1	32553.5	29205.3	25857.1	25850.7	25844.3	27340.8	28837.7	25816.5	22794.8
45729.2	52.5°	41455.2	37180.8	33181.4	29182.0	29365.5	29548.8	31360.9	33173.5	28715.5	24257.5
51872.6	55°	46776.9	41681.3	37230.4	32779.2	33493.6	34208.0	35998.7	37789.5	31285.7	24782.3
57703.7	57.5°	51932.4	46160.7	41666.2	37171.7	38604.3	40037.3	41012.7	41987.9	33107.2	24226.6
64861.7	60°	58682.2	52502.7	48249.4	43996.0	45775.5	47554.9	46039.9	44525.3	33562.5	22599.2
70663.8	62.5°	64784.9	58905.6	55009.0	51112.6	51313.5	51514.0	47375.4	43236.9	31645.7	20054.6
71268.4	65°	65567.8	59866.8	54914.9	49963.3	49195.1	48426.6	44542.3	40658.0	28933.7	17209.3
67080.5	67.5°	61355.1	55629.7	50470.8	45311.6	44951.6	44591.2	40896.9	37202.6	25706.2	14209.9
60491.3	70°	55564.6	50637.5	46024.1	41410.4	41249.0	41088.0	37069.4	33051.2	22184.6	11318.0
52157.3	72.5°	48467.6	44777.4	41167.7	37558.1	37442.6	37326.7	32715.2	28104.1	18366.9	8630.1
43060.0	75°	40462.4	37864.7	35056.3	32248.0	31819.5	31391.0	26618.5	21846.0	13990.6	6135.1
33700.1	77.5°	31857.5	30015.2	27880.3	25745.4	25132.1	24518.9	20063.6	15608.6	9792.2	3975.7
24394.8	80°	23427.6	22460.0	20848.3	19235.9	18473.8	17711.6	13963.9	10215.8	6308.9	2402.0
15792.9	82.5°	15389.7	14986.0	13876.2	12766.4	11914.7	11063.3	8500.7	5938.3	3651.4	1364.9
9062.7	85°	8833.6	8604.5	7692.9	6781.0	6056.8	5332.7	3972.7	2612.7	1642.5	672.6
3481.7	87.5°	3462.6	3443.0	2987.0	2531.1	2127.0	1723.0	1265.9	808.8	538.0	267.1
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°
9803.8	0°	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8
10295.1	2.5°	10209.4	10122.8	10036.3	9953.5	9870.8	9790.6	9701.5	9629.3	9557.4	9492.3
10801.1	5°	10623.2	10443.7	10264.7	10097.3	9929.8	9771.8	9615.7	9479.5	9343.0	9228.6
11272.5	7.5°	11000.1	10734.9	10469.7	10236.1	10002.4	9786.9	9584.9	9403.5	9222.6	9072.1
11640.1	10°	11280.4	10958.4	10636.0	10359.8	10083.0	9817.0	9599.9	9408.8	9217.7	9067.2
11893.2	12.5°	11485.4	11105.5	10725.5	10412.9	10100.3	9820.7	9618.7	9462.2	9306.5	9206.4
12051.2	15°	11608.8	11171.3	10733.8	10371.9	10010.0	9700.4	9538.6	9463.7	9389.2	9402.8
12126.9	17.5°	11644.2	11136.3	10628.4	10193.2	9757.9	9393.8	9294.1	9321.5	9348.6	9512.6
12185.9	20°	11655.5	11040.0	10424.5	9885.1	9345.6	8921.6	8895.3	9023.2	9151.1	9435.9
12265.7	22.5°	11670.5	10921.9	10173.2	9523.5	8873.8	8391.2	8442.7	8631.9	8821.2	9146.2
12410.1	25°	11730.0	10805.3	9880.9	9119.9	8359.2	7864.5	8003.7	8221.9	8440.1	8732.4
12635.9	27.5°	11854.1	10727.4	9600.7	8750.8	7901.0	7450.7	7620.0	7830.6	8041.3	8281.7
12928.2	30°	12024.2	10690.9	9356.9	8442.3	7527.8	7149.7	7282.5	7449.5	7617.3	7816.7
13233.3	32.5°	12170.9	10645.8	9119.9	8176.4	7232.5	6927.8	6986.8	7085.8	7184.7	7343.8
13580.9	35°	12278.5	10560.7	8843.7	7914.9	6986.1	6732.1	6707.7	6734.8	6762.2	6883.7
13970.2	37.5°	12342.4	10415.1	8487.9	7607.2	6726.5	6504.5	6415.0	6384.9	6354.8	6442.1
14464.6	40°	12382.7	10214.6	8047.0	7240.0	6433.0	6231.8	6094.5	6026.4	5958.3	6021.1
15111.3	42.5°	12459.0	10007.7	7557.1	6834.8	6112.5	5927.1	5754.0	5663.7	5573.4	5624.6
15962.2	45°	12593.3	9815.5	7038.0	6404.5	5770.9	5582.8	5415.4	5327.4	5239.7	5282.6
16868.9	47.5°	12685.5	9656.7	6627.9	6064.0	5500.1	5257.4	5113.3	5039.6	4965.9	5006.5
17710.1	50°	12625.3	9483.7	6342.0	5837.9	5333.8	5014.8	4847.4	4781.9	4716.8	4780.0
18256.3	52.5°	12254.8	9191.4	6128.3	5688.9	5249.9	4883.1	4649.1	4584.4	4520.1	4615.2
18135.9	55°	11489.2	8706.8	5924.4	5581.0	5237.5	4896.3	4543.8	4441.4	4339.5	4474.5
17288.7	57.5°	10351.2	8023.6	5695.7	5453.0	5210.4	4909.4	4480.6	4331.6	4182.6	4327.8
15712.1	60°	8824.9	7136.5	5448.2	5257.4	5066.7	4868.0	4421.1	4228.1	4034.8	4162.3
13580.1	62.5°	7105.7	6074.9	5044.1	4917.3	4790.9	4766.5	4351.9	4110.4	3869.2	3950.1
11404.9	65°	5600.9	5119.7	4638.6	4578.7	4518.9	4521.9	4205.9	3949.4	3692.4	3723.6
9274.1	67.5°	4338.4	4201.8	4064.9	4098.3	4131.4	4123.2	3945.6	3731.9	3518.2	3508.5
7302.1	70°	3286.1	3325.2	3364.0	3519.0	3673.6	3673.6	3615.3	3463.3	3311.3	3277.5
5582.5	72.5°	2534.8	2652.6	2770.7	2990.4	3209.8	3246.6	3247.4	3143.2	3039.0	2989.3
4051.7	75°	1968.3	2075.1	2182.0	2428.0	2674.0	2844.1	2829.8	2749.7	2669.2	2621.7
2745.5	77.5°	1515.3	1587.9	1660.9	1899.8	2138.7	2419.0	2411.5	2347.1	2282.8	2234.6
1768.9	80°	1136.1	1166.2	1196.3	1398.7	1600.7	1935.6	1934.4	1880.6	1826.5	1786.2
1088.0	82.5°	811.8	817.1	823.1	972.1	1121.1	1407.0	1422.8	1396.5	1370.1	1341.5
581.6	85°	490.9	488.3	485.3	594.4	703.5	916.1	936.7	908.5	880.3	848.3
241.1	87.5°	215.2	212.6	209.9	254.3	299.1	387.5	413.8	402.5	391.2	385.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
9803.8	0°	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8
9427.6	2.5°	9370.8	9314.0	9256.8	9200.0	9156.0	9111.6	9075.9	9040.1	9012.3	8984.4
9114.6	5°	9013.8	8913.0	8821.6	8729.8	8659.4	8588.7	8539.4	8490.1	8455.1	8420.1
8921.6	7.5°	8794.8	8667.7	8555.6	8443.8	8360.0	8276.4	8217.7	8159.1	8118.8	8078.9
8916.7	10°	8780.2	8643.2	8517.2	8391.2	8291.1	8190.7	8125.2	8059.0	8021.0	7983.0
9107.1	12.5°	8999.5	8892.7	8762.1	8631.9	8504.0	8376.1	8291.5	8206.8	8164.3	8122.2
9416.3	15°	9388.5	9360.6	9247.4	9134.2	8952.1	8770.0	8641.4	8512.7	8453.6	8394.9
9676.7	17.5°	9763.9	9850.8	9759.4	9668.4	9427.2	9186.1	8996.5	8806.9	8719.6	8631.9
9721.0	20°	9903.5	10086.0	10043.8	10001.3	9725.6	9450.2	9217.7	8985.6	8873.8	8761.7
9472.0	22.5°	9709.4	9946.8	9972.4	9997.6	9734.2	9470.9	9231.6	8992.0	8874.2	8756.1
9025.1	25°	9258.7	9492.3	9579.6	9666.5	9450.6	9235.0	9022.1	8809.9	8707.6	8605.6
8521.7	27.5°	8709.1	8896.4	8993.5	9090.9	8937.0	8783.6	8618.4	8453.3	8384.8	8315.9
8016.1	30°	8171.5	8327.2	8406.2	8485.2	8368.2	8250.9	8132.7	8013.8	7978.9	7943.5
7503.3	32.5°	7652.3	7801.7	7889.3	7977.4	7869.8	7761.8	7667.4	7572.9	7550.0	7527.0
7004.9	35°	7152.3	7300.2	7405.5	7510.9	7434.1	7357.8	7270.5	7183.6	7148.6	7114.0
6529.0	37.5°	6676.1	6823.5	6953.7	7083.9	7048.5	7013.2	6933.0	6852.5	6788.9	6725.7
6083.9	40°	6226.1	6368.3	6518.1	6668.2	6676.8	6685.1	6617.0	6548.9	6456.4	6364.6
5676.1	42.5°	5810.8	5945.9	6107.6	6269.4	6312.7	6355.9	6298.4	6241.2	6126.4	6011.7
5326.3	45°	5454.2	5582.1	5749.9	5917.7	5979.7	6041.8	5989.9	5938.3	5807.0	5676.1
5046.7	47.5°	5172.0	5296.9	5462.4	5628.0	5699.5	5770.9	5734.8	5698.7	5582.1	5465.5
4843.6	50°	4961.7	5079.5	5227.7	5375.9	5467.7	5559.5	5557.3	5555.7	5462.4	5369.1
4710.0	52.5°	4818.4	4926.4	5064.4	5202.9	5311.6	5420.3	5439.9	5459.4	5383.4	5307.5
4609.2	55°	4725.8	4842.5	4963.6	5084.4	5199.5	5315.0	5342.1	5369.1	5302.9	5236.7
4473.0	57.5°	4610.0	4746.9	4866.5	4986.6	5102.8	5218.7	5246.1	5273.6	5206.6	5139.7
4289.5	60°	4446.7	4604.0	4725.5	4847.4	4964.0	5080.6	5110.7	5140.8	5075.3	5010.3
4031.0	62.5°	4214.2	4397.8	4527.6	4657.4	4764.2	4871.1	4900.0	4929.0	4869.9	4810.9
3754.5	65°	3950.9	4147.6	4271.8	4395.9	4490.0	4584.0	4613.7	4643.1	4586.3	4529.5
3498.7	67.5°	3680.0	3861.7	3979.5	4096.8	4178.1	4259.4	4288.3	4316.9	4264.6	4212.7
3243.6	70°	3403.1	3562.6	3664.2	3765.8	3839.1	3912.5	3940.3	3968.2	3925.7	3883.2
2940.0	72.5°	3065.7	3190.9	3282.7	3374.5	3446.4	3518.2	3551.3	3584.4	3549.1	3513.7
2574.0	75°	2667.3	2760.6	2843.7	2926.8	2992.3	3057.8	3092.4	3127.0	3109.7	3092.4
2186.5	77.5°	2262.5	2338.1	2409.6	2481.0	2549.9	2618.4	2650.7	2683.1	2659.0	2634.2
1745.6	80°	1808.8	1871.6	1931.8	1992.0	2044.3	2096.2	2139.1	2182.0	2171.4	2161.3
1312.9	82.5°	1307.7	1302.4	1281.3	1260.3	1371.6	1483.0	1556.0	1629.0	1624.4	1619.5
816.4	85°	789.3	761.8	703.5	645.2	749.4	854.0	944.3	1034.6	1027.0	1019.5
379.2	87.5°	378.1	377.0	332.6	287.8	331.4	375.4	411.9	448.4	439.4	429.6
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
9803.8	0°	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8
8958.9	2.5°	8932.9	8900.9	8932.9	8958.9	8984.4	9012.3	9040.1	9075.9	9111.6	9156.0
8393.4	5°	8366.7	8340.4	8366.7	8393.4	8420.1	8455.1	8490.1	8539.4	8588.7	8659.4
8054.9	7.5°	8031.2	8013.1	8031.2	8054.9	8078.9	8118.8	8159.1	8217.7	8276.4	8360.0
7962.7	10°	7942.4	7934.1	7942.4	7962.7	7983.0	8021.0	8059.0	8125.2	8190.7	8291.1
8104.9	12.5°	8087.6	8084.6	8087.6	8104.9	8122.2	8164.3	8206.8	8291.5	8376.1	8504.0
8372.4	15°	8349.8	8347.9	8349.8	8372.4	8394.9	8453.6	8512.7	8641.4	8770.0	8952.1
8603.4	17.5°	8574.4	8569.9	8574.4	8603.4	8631.9	8719.6	8806.9	8996.5	9186.1	9427.2
8726.0	20°	8690.3	8679.0	8690.3	8726.0	8761.7	8873.8	8985.6	9217.7	9450.2	9725.6
8716.6	22.5°	8677.1	8660.2	8677.1	8716.6	8756.1	8874.2	8992.0	9231.6	9470.9	9734.2
8568.4	25°	8531.5	8509.7	8531.5	8568.4	8605.6	8707.6	8809.9	9022.1	9235.0	9450.6
8299.0	27.5°	8282.1	8276.4	8282.1	8299.0	8315.9	8384.8	8453.3	8618.4	8783.6	8937.0
7943.5	30°	7943.5	7949.1	7943.5	7943.5	7943.5	7978.9	8013.8	8132.7	8250.9	8368.2
7530.1	32.5°	7533.4	7539.1	7533.4	7530.1	7527.0	7550.0	7572.9	7667.4	7761.8	7869.8
7106.4	35°	7098.9	7095.2	7098.9	7106.4	7114.0	7148.6	7183.6	7270.5	7357.8	7434.1
6692.3	37.5°	6658.8	6640.0	6658.8	6692.3	6725.7	6788.9	6852.5	6933.0	7013.2	7048.5
6302.1	40°	6240.4	6203.6	6240.4	6302.1	6364.6	6456.4	6548.9	6617.0	6685.1	6676.8
5921.0	42.5°	5830.4	5770.9	5830.4	5921.0	6011.7	6126.4	6241.2	6298.4	6355.9	6312.7
5569.7	45°	5463.2	5394.7	5463.2	5569.7	5676.1	5807.0	5938.3	5989.9	6041.8	5979.7
5366.9	47.5°	5268.7	5202.9	5268.7	5366.9	5465.5	5582.1	5698.7	5734.8	5770.9	5699.5
5278.1	50°	5187.1	5123.9	5187.1	5278.1	5369.1	5462.4	5555.7	5557.3	5559.5	5467.7
5225.8	52.5°	5144.6	5086.2	5144.6	5225.8	5307.5	5383.4	5459.4	5439.9	5420.3	5311.6
5165.2	55°	5093.8	5041.1	5093.8	5165.2	5236.7	5302.9	5369.1	5342.1	5315.0	5199.5
5068.9	57.5°	4997.8	4943.3	4997.8	5068.9	5139.7	5206.6	5273.6	5246.1	5218.7	5102.8
4937.3	60°	4864.3	4807.9	4864.3	4937.3	5010.3	5075.3	5140.8	5110.7	5080.6	4964.0
4734.1	62.5°	4657.4	4589.7	4657.4	4734.1	4810.9	4869.9	4929.0	4900.0	4871.1	4764.2
4455.0	65°	4380.9	4322.6	4380.9	4455.0	4529.5	4586.3	4643.1	4613.7	4584.0	4490.0
4143.5	67.5°	4074.3	4021.6	4074.3	4143.5	4212.7	4264.6	4316.9	4288.3	4259.4	4178.1
3816.9	70°	3750.7	3690.5	3750.7	3816.9	3883.2	3925.7	3968.2	3940.3	3912.5	3839.1
3450.5	72.5°	3387.7	3329.4	3387.7	3450.5	3513.7	3549.1	3584.4	3551.3	3518.2	3446.4
3039.3	75°	2986.3	2930.6	2986.3	3039.3	3092.4	3109.7	3127.0	3092.4	3057.8	2992.3
2580.7	77.5°	2527.3	2482.9	2527.3	2580.7	2634.2	2659.0	2683.1	2650.7	2618.4	2549.9
2089.4	80°	2017.2	1933.7	2017.2	2089.4	2161.3	2171.4	2182.0	2139.1	2096.2	2044.3
1559.0	82.5°	1498.0	1444.6	1498.0	1559.0	1619.5	1624.4	1629.0	1556.0	1483.0	1371.6
972.1	85°	924.7	876.5	924.7	972.1	1019.5	1027.0	1034.6	944.3	854.0	749.4
405.5	87.5°	380.7	357.4	380.7	405.5	429.6	439.4	448.4	411.9	375.4	331.4
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°
9803.8	0°	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8
9200.0	2.5°	9256.8	9314.0	9370.8	9427.6	9492.3	9557.4	9629.3	9701.5	9790.6	9870.8
8729.8	5°	8821.6	8913.0	9013.8	9114.6	9228.6	9343.0	9479.5	9615.7	9771.8	9929.8
8443.8	7.5°	8555.6	8667.7	8794.8	8921.6	9072.1	9222.6	9403.5	9584.9	9786.9	10002.4
8391.2	10°	8517.2	8643.2	8780.2	8916.7	9067.2	9217.7	9408.8	9599.9	9817.0	10083.0
8631.9	12.5°	8762.1	8892.7	8999.5	9107.1	9206.4	9306.5	9462.2	9618.7	9820.7	10100.3
9134.2	15°	9247.4	9360.6	9388.5	9416.3	9402.8	9389.2	9463.7	9538.6	9700.4	10010.0
9668.4	17.5°	9759.4	9850.8	9763.9	9676.7	9512.6	9348.6	9321.5	9294.1	9393.8	9757.9
10001.3	20°	10043.8	10086.0	9903.5	9721.0	9435.9	9151.1	9023.2	8895.3	8921.6	9345.6
9997.6	22.5°	9972.4	9946.8	9709.4	9472.0	9146.2	8821.2	8631.9	8442.7	8391.2	8873.8
9666.5	25°	9579.6	9492.3	9258.7	9025.1	8732.4	8440.1	8221.9	8003.7	7864.5	8359.2
9090.9	27.5°	8993.5	8896.4	8709.1	8521.7	8281.7	8041.3	7830.6	7620.0	7450.7	7901.0
8485.2	30°	8406.2	8327.2	8171.5	8016.1	7816.7	7617.3	7449.5	7282.5	7149.7	7527.8
7977.4	32.5°	7889.3	7801.7	7652.3	7503.3	7343.8	7184.7	7085.8	6986.8	6927.8	7232.5
7510.9	35°	7405.5	7300.2	7152.3	7004.9	6883.7	6762.2	6734.8	6707.7	6732.1	6986.1
7083.9	37.5°	6953.7	6823.5	6676.1	6529.0	6442.1	6354.8	6384.9	6415.0	6504.5	6726.5
6668.2	40°	6518.1	6368.3	6226.1	6083.9	6021.1	5958.3	6026.4	6094.5	6231.8	6433.0
6269.4	42.5°	6107.6	5945.9	5810.8	5676.1	5624.6	5573.4	5663.7	5754.0	5927.1	6112.5
5917.7	45°	5749.9	5582.1	5454.2	5326.3	5282.6	5239.7	5327.4	5415.4	5582.8	5770.9
5628.0	47.5°	5462.4	5296.9	5172.0	5046.7	5006.5	4965.9	5039.6	5113.3	5257.4	5500.1
5375.9	50°	5227.7	5079.5	4961.7	4843.6	4780.0	4716.8	4781.9	4847.4	5014.8	5333.8
5202.9	52.5°	5064.4	4926.4	4818.4	4710.0	4615.2	4520.1	4584.4	4649.1	4883.1	5249.9
5084.4	55°	4963.6	4842.5	4725.8	4609.2	4474.5	4339.5	4441.4	4543.8	4896.3	5237.5
4986.6	57.5°	4866.5	4746.9	4610.0	4473.0	4327.8	4182.6	4331.6	4480.6	4909.4	5210.4
4847.4	60°	4725.5	4604.0	4446.7	4289.5	4162.3	4034.8	4228.1	4421.1	4868.0	5066.7
4657.4	62.5°	4527.6	4397.8	4214.2	4031.0	3950.1	3869.2	4110.4	4351.9	4766.5	4790.9
4395.9	65°	4271.8	4147.6	3950.9	3754.5	3723.6	3692.4	3949.4	4205.9	4521.9	4518.9
4096.8	67.5°	3979.5	3861.7	3680.0	3498.7	3508.5	3518.2	3731.9	3945.6	4123.2	4131.4
3765.8	70°	3664.2	3562.6	3403.1	3243.6	3277.5	3311.3	3463.3	3615.3	3673.6	3673.6
3374.5	72.5°	3282.7	3190.9	3065.7	2940.0	2989.3	3039.0	3143.2	3247.4	3246.6	3209.8
2926.8	75°	2843.7	2760.6	2667.3	2574.0	2621.7	2669.2	2749.7	2829.8	2844.1	2674.0
2481.0	77.5°	2409.6	2338.1	2262.5	2186.5	2234.6	2282.8	2347.1	2411.5	2419.0	2138.7
1992.0	80°	1931.8	1871.6	1808.8	1745.6	1786.2	1826.5	1880.6	1934.4	1935.6	1600.7
1260.3	82.5°	1281.3	1302.4	1307.7	1312.9	1341.5	1370.1	1396.5	1422.8	1407.0	1121.1
645.2	85°	703.5	761.8	789.3	816.4	848.3	880.3	908.5	936.7	916.1	703.5
287.8	87.5°	332.6	377.0	378.1	379.2	385.2	391.2	402.5	413.8	387.5	299.1
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°
9803.8	0°	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8	9803.8
9953.5	2.5°	10036.3	10122.8	10209.4	10295.1	10381.3	10462.2	10543.1
10097.3	5°	10264.7	10443.7	10623.2	10801.1	10979.4	11158.1	11336.8
10236.1	7.5°	10469.7	10734.9	11000.1	11272.5	11544.9	11839.4	12134.4
10359.8	10°	10636.0	10958.4	11280.4	11640.1	12000.1	12372.9	12745.7
10412.9	12.5°	10725.5	11105.5	11485.4	11893.2	12301.0	12710.3	13120.0
10371.9	15°	10733.8	11171.3	11608.8	12051.2	12493.7	12920.6	13347.6
10193.2	17.5°	10628.4	11136.3	11644.2	12126.9	12609.5	13042.5	13475.5
9885.1	20°	10424.5	11040.0	11655.5	12185.9	12716.4	13166.7	13616.6
9523.5	22.5°	10173.2	10921.9	11670.5	12265.7	12860.5	13320.5	13780.3
9119.9	25°	9880.9	10805.3	11730.0	12410.1	13089.9	13540.2	13990.9
8750.8	27.5°	9600.7	10727.4	11854.1	12635.9	13417.2	13847.2	14276.9
8442.3	30°	9356.9	10690.9	12024.2	12928.2	13832.2	14247.1	14662.5
8176.4	32.5°	9119.9	10645.8	12170.9	13233.3	14295.7	14706.5	15117.7
7914.9	35°	8843.7	10560.7	12278.5	13580.9	14883.3	15277.2	15670.7
7607.2	37.5°	8487.9	10415.1	12342.4	13970.2	15598.1	16099.9	16601.8
7240.0	40°	8047.0	10214.6	12382.7	14464.6	16546.1	17277.4	18008.8
6834.8	42.5°	7557.1	10007.7	12459.0	15111.3	17763.5	18819.1	19874.7
6404.5	45°	7038.0	9815.5	12593.3	15962.2	19331.1	20755.0	22179.0
6064.0	47.5°	6627.9	9656.7	12685.5	16868.9	21052.2	23056.6	25060.7
5837.9	50°	6342.0	9483.7	12625.3	17710.1	22794.8	25816.5	28837.7
5688.9	52.5°	6128.3	9191.4	12254.8	18256.3	24257.5	28715.5	33173.5
5581.0	55°	5924.4	8706.8	11489.2	18135.9	24782.3	31285.7	37789.5
5453.0	57.5°	5695.7	8023.6	10351.2	17288.7	24226.6	33107.2	41987.9
5257.4	60°	5448.2	7136.5	8824.9	15712.1	22599.2	33562.5	44525.3
4917.3	62.5°	5044.1	6074.9	7105.7	13580.1	20054.6	31645.7	43236.9
4578.7	65°	4638.6	5119.7	5600.9	11404.9	17209.3	28933.7	40658.0
4098.3	67.5°	4064.9	4201.8	4338.4	9274.1	14209.9	25706.2	37202.6
3519.0	70°	3364.0	3325.2	3286.1	7302.1	11318.0	22184.6	33051.2
2990.4	72.5°	2770.7	2652.6	2534.8	5582.5	8630.1	18366.9	28104.1
2428.0	75°	2182.0	2075.1	1968.3	4051.7	6135.1	13990.6	21846.0
1899.8	77.5°	1660.9	1587.9	1515.3	2745.5	3975.7	9792.2	15608.6
1398.7	80°	1196.3	1166.2	1136.1	1768.9	2402.0	6308.9	10215.8
972.1	82.5°	823.1	817.1	811.8	1088.0	1364.9	3651.4	5938.3
594.4	85°	485.3	488.3	490.9	581.6	672.6	1642.5	2612.7
254.3	87.5°	209.9	212.6	215.2	241.1	267.1	538.0	808.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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