

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: P957106

Luminaire Tested: **GALN-SB9C-760-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957106
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-SB9C-760-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71909 lumens
Efficiency: N/A
Efficacy: 159.9 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

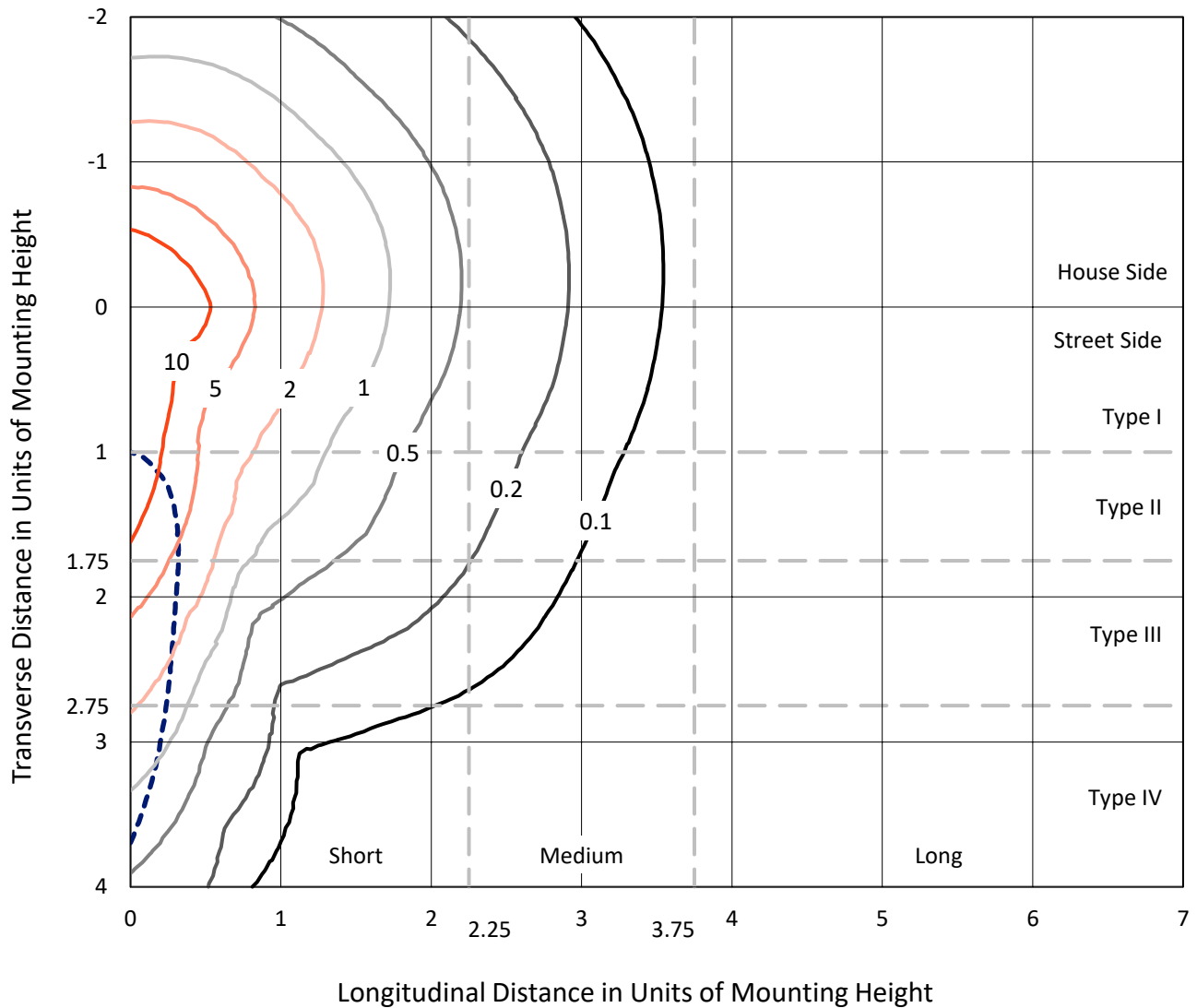
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

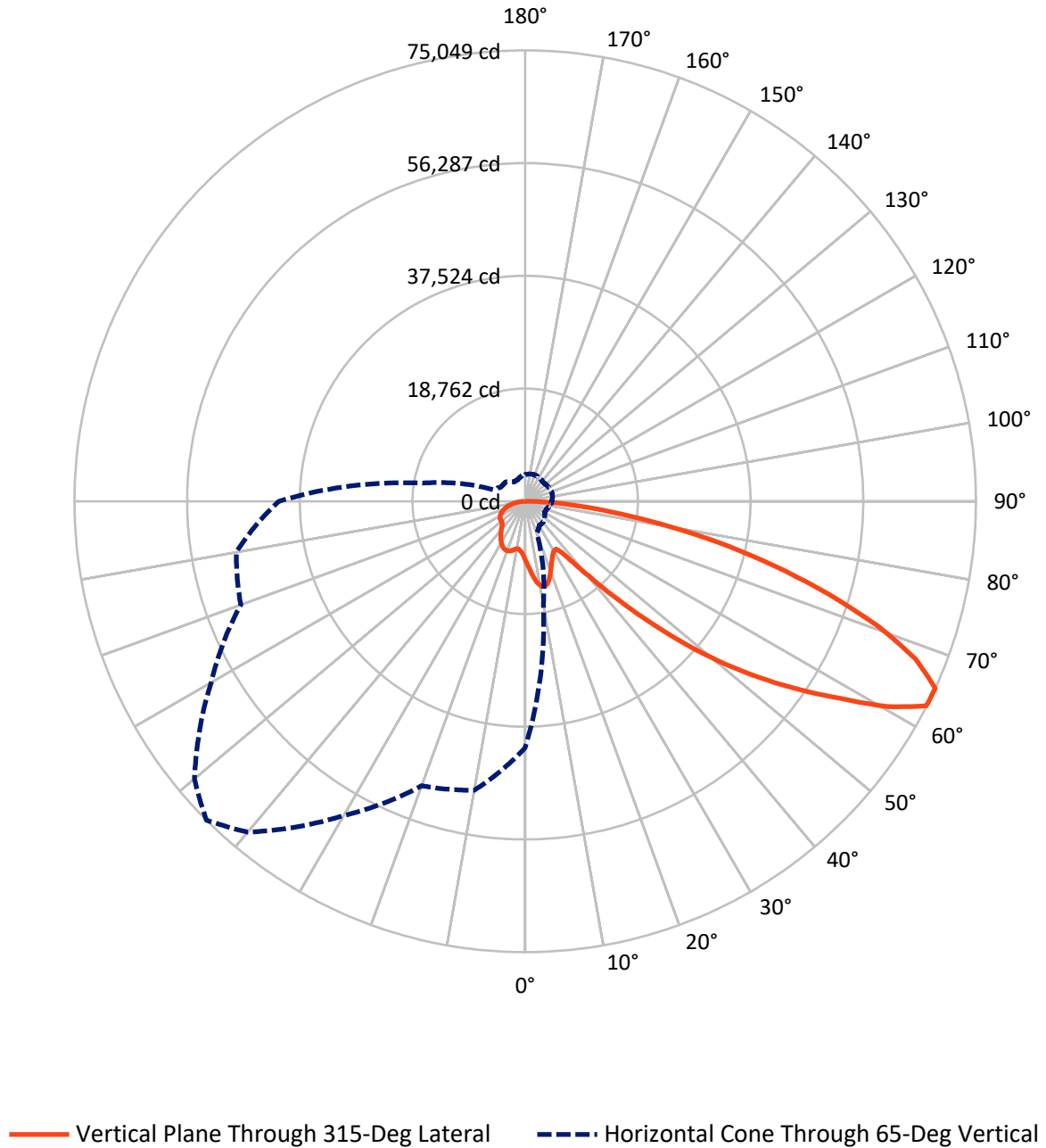
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18275.6	0.0	18275.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	53633.4	0.0	53633.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	71909.0	0.0	71909.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	980.9	1.4
10°-20°	3079.2	4.3
20°-30°	4756.3	6.6
30°-40°	6027.5	8.4
40°-50°	9091.0	12.6
50°-60°	14687.8	20.4
60°-70°	18310.6	25.5
70°-80°	12007.2	16.7
80°-90°	2968.5	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°	71909.0	100.0
0°-180°	71909.0	100.0

Coefficient of Utilization



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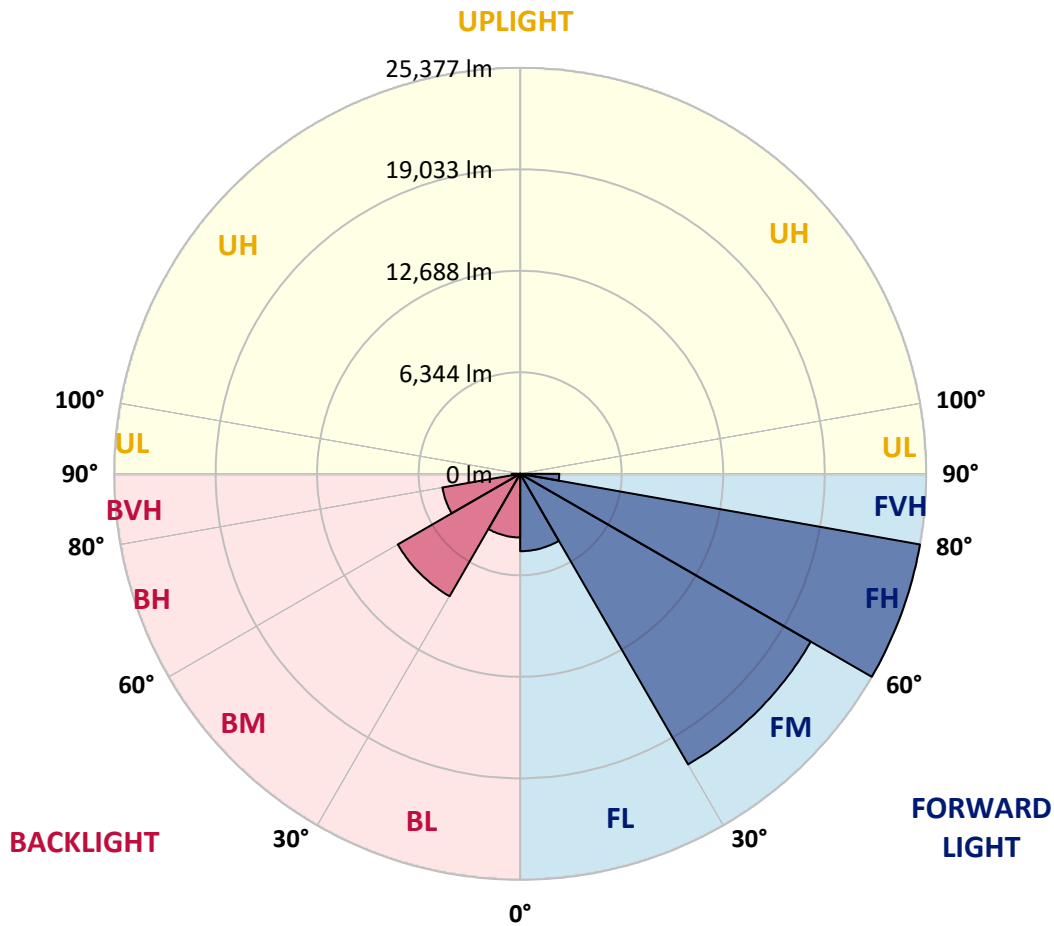
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4836.7	6.7			
FM (30°-60°)	20974.3	29.2			
FH (60°-80°)	25377.0	35.3			G5
FVH (80°-90°)	2445.4	3.4			G5
BL (0°-30°)	3979.7	5.5	B4/5000		
BM (30°-60°)	8831.9	12.3	B5		
BH (60°-80°)	4940.9	6.9	B4/5000		G4/5000
BVH (80°-90°)	523.1	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°	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1
2.5°	10633.7	10552.1	10470.5	10383.7	10297.1	10209.9	10122.6	10039.1	9955.6	9874.8
5°	11434.3	11254.1	11073.8	10894.0	10714.5	10533.5	10352.9	10184.1	10015.2	9855.9
7.5°	12238.7	11941.2	11644.1	11369.4	11094.7	10827.2	10559.7	10324.1	10088.4	9871.0
10°	12855.3	12479.3	12103.3	11740.1	11377.4	11052.6	10727.4	10448.9	10169.6	9901.4
12.5°	13232.8	12819.6	12406.8	11995.5	11584.2	11201.0	10817.7	10502.4	10187.1	9905.2
15°	13462.4	13031.7	12601.1	12154.9	11708.6	11267.4	10826.1	10461.1	10096.0	9783.8
17.5°	13591.4	13154.7	12717.9	12231.1	11744.3	11232.1	10719.8	10280.8	9841.8	9474.5
20°	13733.7	13279.9	12825.7	12290.7	11755.7	11134.9	10514.2	9970.1	9426.0	8998.3
22.5°	13898.7	13435.1	12971.0	12371.1	11770.9	11015.8	10260.7	9605.4	8950.1	8463.3
25°	14111.2	13656.7	13202.5	12516.8	11830.8	10898.2	9965.9	9198.3	8431.1	7932.1
27.5°	14399.6	13966.3	13532.6	12744.5	11956.0	10819.6	9683.2	8826.1	7968.9	7514.7
30°	14788.5	14369.6	13951.1	13039.3	12127.5	10782.8	9437.3	8514.9	7592.5	7211.2
32.5°	15247.6	14832.9	14418.6	13347.0	12275.5	10737.3	9198.3	8246.7	7294.7	6987.3
35°	15805.4	15408.5	15011.3	13697.6	12384.0	10651.5	8919.8	7983.0	7046.1	6790.0
37.5°	16744.5	16238.4	15732.2	14090.4	12448.5	10504.7	8560.8	7672.6	6784.3	6560.5
40°	18163.6	17426.0	16688.4	14588.9	12489.1	10302.5	8116.1	7302.2	6488.4	6285.4
42.5°	20045.6	18980.9	17916.2	15241.2	12566.2	10093.8	7622.1	6893.6	6165.1	5978.0
45°	22369.7	20933.5	19497.3	16099.5	12701.6	9899.9	7098.5	6459.5	5820.6	5630.8
47.5°	25276.1	23254.9	21233.2	17013.9	12794.6	9739.7	6684.9	6116.1	5547.4	5302.6
50°	29085.7	26038.4	22990.8	17862.3	12733.9	9565.2	6396.5	5888.1	5379.6	5057.9
52.5°	33458.7	28962.4	24466.0	18413.3	12360.1	9270.4	6181.0	5737.8	5295.0	4925.1
55°	38114.4	31554.7	24995.4	18291.9	11588.0	8781.7	5975.4	5628.9	5282.5	4938.4
57.5°	42348.9	33391.9	24434.9	17437.4	10440.2	8092.6	5744.7	5499.9	5255.2	4951.6
60°	44908.2	33851.0	22793.5	15847.2	8900.8	7197.9	5495.0	5302.6	5110.2	4909.9
62.5°	43608.6	31917.8	20227.0	13696.9	7166.8	6127.1	5087.5	4959.6	4832.1	4807.5
65°	41007.6	29182.4	17357.3	11503.0	5649.0	5163.7	4678.4	4618.1	4557.8	4560.8
67.5°	37522.4	25927.3	14332.1	9353.9	4375.7	4237.9	4099.8	4133.6	4167.0	4158.6
70°	33335.4	22375.4	11415.3	7364.9	3314.4	3353.8	3392.9	3549.2	3705.2	3705.2
72.5°	28345.8	18524.8	8704.3	5630.5	2556.6	2675.4	2794.5	3016.1	3237.3	3274.5
75°	22033.9	14110.9	6187.8	4086.5	1985.2	2093.0	2200.7	2448.9	2697.0	2868.5
77.5°	15742.8	9876.3	4009.9	2769.1	1528.4	1601.6	1675.2	1916.2	2157.1	2439.8
80°	10303.6	6363.1	2422.7	1784.1	1145.9	1176.3	1206.6	1410.7	1614.5	1952.2
82.5°	5989.4	3682.8	1376.6	1097.3	818.8	824.1	830.2	980.5	1130.7	1419.1
85°	2635.2	1656.6	678.4	586.6	495.2	492.5	489.5	599.5	709.5	923.9
87.5°	815.8	542.6	269.4	243.2	217.0	214.4	211.7	256.5	301.7	390.8
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°
9888.1	0°	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1
9784.9	2.5°	9712.0	9639.6	9573.9	9508.7	9451.4	9394.1	9336.4	9279.1	9234.7	9189.9
9698.4	5°	9561.0	9423.3	9307.9	9193.0	9091.3	8989.6	8897.4	8804.8	8733.9	8662.5
9667.3	7.5°	9484.4	9301.9	9150.1	8998.3	8870.5	8742.2	8629.1	8516.4	8431.8	8347.6
9682.5	10°	9489.7	9296.9	9145.2	8993.4	8855.7	8717.5	8590.4	8463.3	8362.4	8261.1
9701.4	12.5°	9543.6	9386.5	9285.6	9185.4	9076.9	8969.1	8837.4	8706.2	8577.2	8448.1
9620.6	15°	9545.1	9470.0	9483.6	9497.3	9469.2	9441.1	9326.9	9212.7	9029.1	8845.4
9374.0	17.5°	9401.7	9429.0	9594.4	9759.9	9847.9	9935.5	9843.3	9751.5	9508.3	9265.1
8971.8	20°	9100.8	9229.8	9517.0	9804.6	9988.7	10172.7	10130.2	10087.3	9809.2	9531.4
8515.3	22.5°	8706.2	8897.0	9224.9	9553.4	9792.9	10032.3	10058.1	10083.5	9817.9	9552.3
8072.5	25°	8292.6	8512.7	8807.5	9102.7	9338.3	9573.9	9662.0	9749.6	9531.8	9314.4
7685.5	27.5°	7898.0	8110.4	8352.9	8595.0	8783.9	8972.9	9070.8	9169.1	9013.9	8859.1
7345.1	30°	7513.6	7682.8	7883.9	8085.0	8241.7	8398.8	8478.5	8558.2	8440.2	8321.8
7046.9	32.5°	7146.7	7246.5	7407.0	7567.9	7718.1	7868.7	7957.2	8045.9	7937.4	7828.5
6765.3	35°	6792.7	6820.4	6942.9	7065.1	7213.8	7363.0	7469.2	7575.4	7498.0	7421.0
6470.1	37.5°	6439.8	6409.4	6497.5	6585.1	6733.5	6882.2	7013.5	7144.8	7109.1	7073.4
6146.9	40°	6078.2	6009.5	6072.9	6136.2	6279.7	6423.1	6574.1	6725.5	6734.2	6742.6
5803.5	42.5°	5712.4	5621.3	5673.0	5724.9	5860.8	5997.0	6160.1	6323.3	6366.9	6410.6
5462.0	45°	5373.2	5284.8	5328.0	5372.1	5501.1	5630.1	5799.3	5968.5	6031.1	6093.7
5157.3	47.5°	5082.9	5008.6	5049.5	5090.1	5216.5	5342.5	5509.4	5676.4	5748.5	5820.6
4889.0	50°	4823.0	4757.4	4821.1	4885.2	5004.4	5123.1	5272.6	5422.1	5514.7	5607.3
4689.1	52.5°	4623.8	4558.9	4654.9	4750.5	4859.8	4968.7	5108.0	5247.6	5357.3	5466.9
4582.8	55°	4479.6	4376.8	4513.0	4648.9	4766.5	4884.1	5006.3	5128.1	5244.2	5360.7
4519.1	57.5°	4368.8	4218.6	4365.0	4511.5	4649.6	4787.7	4908.4	5029.4	5146.7	5263.5
4459.1	60°	4264.5	4069.5	4198.1	4326.3	4484.9	4643.5	4766.1	4889.0	5006.7	5124.3
4389.3	62.5°	4145.7	3902.5	3984.1	4065.7	4250.4	4435.6	4566.5	4697.4	4805.2	4912.9
4242.1	65°	3983.3	3724.2	3755.7	3786.8	3984.8	4183.3	4308.5	4433.7	4528.6	4623.4
3979.5	67.5°	3764.0	3548.5	3538.6	3528.8	3711.6	3894.9	4013.7	4132.1	4214.0	4296.0
3646.4	70°	3493.1	3339.8	3305.6	3271.5	3432.4	3593.3	3695.7	3798.2	3872.1	3946.1
3275.3	72.5°	3170.2	3065.1	3015.0	2965.3	3092.0	3218.4	3311.0	3403.5	3476.0	3548.5
2854.1	75°	2773.3	2692.1	2644.3	2596.1	2690.2	2784.3	2868.2	2952.0	3018.0	3084.1
2432.2	77.5°	2367.3	2302.4	2253.9	2205.3	2281.9	2358.2	2430.3	2502.4	2571.8	2640.9
1951.1	80°	1896.8	1842.2	1801.6	1760.6	1824.3	1887.7	1948.4	2009.1	2061.9	2114.2
1435.0	82.5°	1408.5	1381.9	1353.1	1324.2	1318.9	1313.6	1292.4	1271.1	1383.4	1495.7
944.8	85°	916.3	887.9	855.6	823.4	796.1	768.4	709.5	650.7	755.8	861.3
417.4	87.5°	406.0	394.6	388.5	382.5	381.3	380.2	335.4	290.3	334.3	378.7
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
9888.1	0°	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1
9153.9	2.5°	9117.9	9089.8	9061.7	9035.9	9009.7	8977.5	9009.7	9035.9	9061.7	9089.8
8612.8	5°	8563.1	8527.8	8492.5	8465.6	8438.7	8412.1	8438.7	8465.6	8492.5	8527.8
8288.4	7.5°	8229.2	8188.6	8148.4	8124.1	8100.2	8082.0	8100.2	8124.1	8148.4	8188.6
8195.1	10°	8128.3	8090.0	8051.6	8031.1	8010.7	8002.3	8010.7	8031.1	8051.6	8090.0
8362.8	12.5°	8277.4	8234.5	8192.0	8174.6	8157.1	8154.1	8157.1	8174.6	8192.0	8234.5
8715.6	15°	8585.9	8526.3	8467.1	8444.4	8421.6	8419.7	8421.6	8444.4	8467.1	8526.3
9073.8	17.5°	8882.6	8794.6	8706.2	8677.3	8648.1	8643.6	8648.1	8677.3	8706.2	8794.6
9296.9	20°	9062.8	8950.1	8837.1	8801.0	8765.0	8753.6	8765.0	8801.0	8837.1	8950.1
9311.0	22.5°	9069.3	8950.5	8831.4	8791.5	8751.7	8734.6	8751.7	8791.5	8831.4	8950.5
9099.6	25°	8885.6	8782.4	8679.6	8642.0	8604.9	8582.8	8604.9	8642.0	8679.6	8782.4
8692.5	27.5°	8525.9	8456.9	8387.4	8370.4	8353.3	8347.6	8353.3	8370.4	8387.4	8456.9
8202.7	30°	8082.7	8047.5	8011.8	8011.8	8011.8	8017.5	8011.8	8011.8	8011.8	8047.5
7733.3	32.5°	7638.1	7614.9	7591.8	7594.8	7598.2	7603.9	7598.2	7594.8	7591.8	7614.9
7333.0	35°	7245.3	7210.0	7175.1	7167.5	7160.0	7156.2	7160.0	7167.5	7175.1	7210.0
6992.6	37.5°	6911.4	6847.3	6783.6	6749.8	6716.0	6697.0	6716.0	6749.8	6783.6	6847.3
6673.9	40°	6605.2	6511.9	6419.3	6356.3	6294.1	6256.9	6294.1	6356.3	6419.3	6511.9
6352.5	42.5°	6294.8	6179.1	6063.4	5971.9	5880.5	5820.6	5880.5	5971.9	6063.4	6179.1
6041.4	45°	5989.4	5857.0	5724.9	5617.6	5510.2	5441.1	5510.2	5617.6	5724.9	5857.0
5784.1	47.5°	5747.7	5630.1	5512.4	5413.0	5314.0	5247.6	5314.0	5413.0	5512.4	5630.1
5605.0	50°	5603.5	5509.4	5415.3	5323.5	5231.7	5167.9	5231.7	5323.5	5415.3	5509.4
5486.6	52.5°	5506.4	5429.7	5353.1	5270.7	5188.8	5130.0	5188.8	5270.7	5353.1	5429.7
5388.0	55°	5415.3	5348.5	5281.8	5209.7	5137.6	5084.4	5137.6	5209.7	5281.8	5348.5
5291.2	57.5°	5318.9	5251.4	5183.9	5112.5	5040.8	4985.8	5040.8	5112.5	5183.9	5251.4
5154.6	60°	5185.0	5119.0	5053.3	4979.7	4906.1	4849.2	4906.1	4979.7	5053.3	5119.0
4942.2	62.5°	4971.4	4911.8	4852.2	4774.8	4697.4	4629.1	4697.4	4774.8	4852.2	4911.8
4653.4	65°	4683.0	4625.7	4568.4	4493.3	4418.5	4359.7	4418.5	4493.3	4568.4	4625.7
4325.2	67.5°	4354.0	4301.3	4248.9	4179.1	4109.3	4056.2	4109.3	4179.1	4248.9	4301.3
3974.2	70°	4002.3	3959.4	3916.5	3849.8	3783.0	3722.3	3783.0	3849.8	3916.5	3959.4
3581.9	72.5°	3615.3	3579.6	3543.9	3480.2	3416.8	3358.0	3416.8	3480.2	3543.9	3579.6
3119.0	75°	3153.9	3136.4	3119.0	3065.5	3012.0	2955.8	3012.0	3065.5	3119.0	3136.4
2673.5	77.5°	2706.1	2681.9	2656.8	2602.9	2549.1	2504.3	2549.1	2602.9	2656.8	2681.9
2157.5	80°	2200.7	2190.1	2179.9	2107.4	2034.5	1950.3	2034.5	2107.4	2179.9	2190.1
1569.3	82.5°	1643.0	1638.4	1633.5	1572.4	1510.9	1457.0	1510.9	1572.4	1633.5	1638.4
952.4	85°	1043.4	1035.9	1028.3	980.5	932.7	884.1	932.7	980.5	1028.3	1035.9
415.5	87.5°	452.3	443.2	433.3	409.0	384.0	360.5	384.0	409.0	433.3	443.2
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°
9888.1	0°	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1
9117.9	2.5°	9153.9	9189.9	9234.7	9279.1	9336.4	9394.1	9451.4	9508.7	9573.9	9639.6
8563.1	5°	8612.8	8662.5	8733.9	8804.8	8897.4	8989.6	9091.3	9193.0	9307.9	9423.3
8229.2	7.5°	8288.4	8347.6	8431.8	8516.4	8629.1	8742.2	8870.5	8998.3	9150.1	9301.9
8128.3	10°	8195.1	8261.1	8362.4	8463.3	8590.4	8717.5	8855.7	8993.4	9145.2	9296.9
8277.4	12.5°	8362.8	8448.1	8577.2	8706.2	8837.4	8969.1	9076.9	9185.4	9285.6	9386.5
8585.9	15°	8715.6	8845.4	9029.1	9212.7	9326.9	9441.1	9469.2	9497.3	9483.6	9470.0
8882.6	17.5°	9073.8	9265.1	9508.3	9751.5	9843.3	9935.5	9847.9	9759.9	9594.4	9429.0
9062.8	20°	9296.9	9531.4	9809.2	10087.3	10130.2	10172.7	9988.7	9804.6	9517.0	9229.8
9069.3	22.5°	9311.0	9552.3	9817.9	10083.5	10058.1	10032.3	9792.9	9553.4	9224.9	8897.0
8885.6	25°	9099.6	9314.4	9531.8	9749.6	9662.0	9573.9	9338.3	9102.7	8807.5	8512.7
8525.9	27.5°	8692.5	8859.1	9013.9	9169.1	9070.8	8972.9	8783.9	8595.0	8352.9	8110.4
8082.7	30°	8202.7	8321.8	8440.2	8558.2	8478.5	8398.8	8241.7	8085.0	7883.9	7682.8
7638.1	32.5°	7733.3	7828.5	7937.4	8045.9	7957.2	7868.7	7718.1	7567.9	7407.0	7246.5
7245.3	35°	7333.0	7421.0	7498.0	7575.4	7469.2	7363.0	7213.8	7065.1	6942.9	6820.4
6911.4	37.5°	6992.6	7073.4	7109.1	7144.8	7013.5	6882.2	6733.5	6585.1	6497.5	6409.4
6605.2	40°	6673.9	6742.6	6734.2	6725.5	6574.1	6423.1	6279.7	6136.2	6072.9	6009.5
6294.8	42.5°	6352.5	6410.6	6366.9	6323.3	6160.1	5997.0	5860.8	5724.9	5673.0	5621.3
5989.4	45°	6041.4	6093.7	6031.1	5968.5	5799.3	5630.1	5501.1	5372.1	5328.0	5284.8
5747.7	47.5°	5784.1	5820.6	5748.5	5676.4	5509.4	5342.5	5216.5	5090.1	5049.5	5008.6
5603.5	50°	5605.0	5607.3	5514.7	5422.1	5272.6	5123.1	5004.4	4885.2	4821.1	4757.4
5506.4	52.5°	5486.6	5466.9	5357.3	5247.6	5108.0	4968.7	4859.8	4750.5	4654.9	4558.9
5415.3	55°	5388.0	5360.7	5244.2	5128.1	5006.3	4884.1	4766.5	4648.9	4513.0	4376.8
5318.9	57.5°	5291.2	5263.5	5146.7	5029.4	4908.4	4787.7	4649.6	4511.5	4365.0	4218.6
5185.0	60°	5154.6	5124.3	5006.7	4889.0	4766.1	4643.5	4484.9	4326.3	4198.1	4069.5
4971.4	62.5°	4942.2	4912.9	4805.2	4697.4	4566.5	4435.6	4250.4	4065.7	3984.1	3902.5
4683.0	65°	4653.4	4623.4	4528.6	4433.7	4308.5	4183.3	3984.8	3786.8	3755.7	3724.2
4354.0	67.5°	4325.2	4296.0	4214.0	4132.1	4013.7	3894.9	3711.6	3528.8	3538.6	3548.5
4002.3	70°	3974.2	3946.1	3872.1	3798.2	3695.7	3593.3	3432.4	3271.5	3305.6	3339.8
3615.3	72.5°	3581.9	3548.5	3476.0	3403.5	3311.0	3218.4	3092.0	2965.3	3015.0	3065.1
3153.9	75°	3119.0	3084.1	3018.0	2952.0	2868.2	2784.3	2690.2	2596.1	2644.3	2692.1
2706.1	77.5°	2673.5	2640.9	2571.8	2502.4	2430.3	2358.2	2281.9	2205.3	2253.9	2302.4
2200.7	80°	2157.5	2114.2	2061.9	2009.1	1948.4	1887.7	1824.3	1760.6	1801.6	1842.2
1643.0	82.5°	1569.3	1495.7	1383.4	1271.1	1292.4	1313.6	1318.9	1324.2	1353.1	1381.9
1043.4	85°	952.4	861.3	755.8	650.7	709.5	768.4	796.1	823.4	855.6	887.9
452.3	87.5°	415.5	378.7	334.3	290.3	335.4	380.2	381.3	382.5	388.5	394.6
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°
9888.1	0°	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1
9712.0	2.5°	9784.9	9874.8	9955.6	10039.1	10122.6	10209.9	10297.1	10383.7	10470.5	10552.1
9561.0	5°	9698.4	9855.9	10015.2	10184.1	10352.9	10533.5	10714.5	10894.0	11073.8	11254.1
9484.4	7.5°	9667.3	9871.0	10088.4	10324.1	10559.7	10827.2	11094.7	11369.4	11644.1	11941.2
9489.7	10°	9682.5	9901.4	10169.6	10448.9	10727.4	11052.6	11377.4	11740.1	12103.3	12479.3
9543.6	12.5°	9701.4	9905.2	10187.1	10502.4	10817.7	11201.0	11584.2	11995.5	12406.8	12819.6
9545.1	15°	9620.6	9783.8	10096.0	10461.1	10826.1	11267.4	11708.6	12154.9	12601.1	13031.7
9401.7	17.5°	9374.0	9474.5	9841.8	10280.8	10719.8	11232.1	11744.3	12231.1	12717.9	13154.7
9100.8	20°	8971.8	8998.3	9426.0	9970.1	10514.2	11134.9	11755.7	12290.7	12825.7	13279.9
8706.2	22.5°	8515.3	8463.3	8950.1	9605.4	10260.7	11015.8	11770.9	12371.1	12971.0	13435.1
8292.6	25°	8072.5	7932.1	8431.1	9198.3	9965.9	10898.2	11830.8	12516.8	13202.5	13656.7
7898.0	27.5°	7685.5	7514.7	7968.9	8826.1	9683.2	10819.6	11956.0	12744.5	13532.6	13966.3
7513.6	30°	7345.1	7211.2	7592.5	8514.9	9437.3	10782.8	12127.5	13039.3	13951.1	14369.6
7146.7	32.5°	7046.9	6987.3	7294.7	8246.7	9198.3	10737.3	12275.5	13347.0	14418.6	14832.9
6792.7	35°	6765.3	6790.0	7046.1	7983.0	8919.8	10651.5	12384.0	13697.6	15011.3	15408.5
6439.8	37.5°	6470.1	6560.5	6784.3	7672.6	8560.8	10504.7	12448.5	14090.4	15732.2	16238.4
6078.2	40°	6146.9	6285.4	6488.4	7302.2	8116.1	10302.5	12489.1	14588.9	16688.4	17426.0
5712.4	42.5°	5803.5	5978.0	6165.1	6893.6	7622.1	10093.8	12566.2	15241.2	17916.2	18980.9
5373.2	45°	5462.0	5630.8	5820.6	6459.5	7098.5	9899.9	12701.6	16099.5	19497.3	20933.5
5082.9	47.5°	5157.3	5302.6	5547.4	6116.1	6684.9	9739.7	12794.6	17013.9	21233.2	23254.9
4823.0	50°	4889.0	5057.9	5379.6	5888.1	6396.5	9565.2	12733.9	17862.3	22990.8	26038.4
4623.8	52.5°	4689.1	4925.1	5295.0	5737.8	6181.0	9270.4	12360.1	18413.3	24466.0	28962.4
4479.6	55°	4582.8	4938.4	5282.5	5628.9	5975.4	8781.7	11588.0	18291.9	24995.4	31554.7
4368.8	57.5°	4519.1	4951.6	5255.2	5499.9	5744.7	8092.6	10440.2	17437.4	24434.9	33391.9
4264.5	60°	4459.1	4909.9	5110.2	5302.6	5495.0	7197.9	8900.8	15847.2	22793.5	33851.0
4145.7	62.5°	4389.3	4807.5	4832.1	4959.6	5087.5	6127.1	7166.8	13696.9	20227.0	31917.8
3983.3	65°	4242.1	4560.8	4557.8	4618.1	4678.4	5163.7	5649.0	11503.0	17357.3	29182.4
3764.0	67.5°	3979.5	4158.6	4167.0	4133.6	4099.8	4237.9	4375.7	9353.9	14332.1	25927.3
3493.1	70°	3646.4	3705.2	3705.2	3549.2	3392.9	3353.8	3314.4	7364.9	11415.3	22375.4
3170.2	72.5°	3275.3	3274.5	3237.3	3016.1	2794.5	2675.4	2556.6	5630.5	8704.3	18524.8
2773.3	75°	2854.1	2868.5	2697.0	2448.9	2200.7	2093.0	1985.2	4086.5	6187.8	14110.9
2367.3	77.5°	2432.2	2439.8	2157.1	1916.2	1675.2	1601.6	1528.4	2769.1	4009.9	9876.3
1896.8	80°	1951.1	1952.2	1614.5	1410.7	1206.6	1176.3	1145.9	1784.1	2422.7	6363.1
1408.5	82.5°	1435.0	1419.1	1130.7	980.5	830.2	824.1	818.8	1097.3	1376.6	3682.8
916.3	85°	944.8	923.9	709.5	599.5	489.5	492.5	495.2	586.6	678.4	1656.6
406.0	87.5°	417.4	390.8	301.7	256.5	211.7	214.4	217.0	243.2	269.4	542.6
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°
9888.1	0°	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1
10633.7	2.5°	10673.9	10714.5	10771.8	10829.1	10863.3	10897.4	10914.5	10931.6	10924.0	10931.6
11434.3	5°	11575.1	11716.2	11855.9	11995.9	12071.8	12147.6	12193.6	12239.9	12274.8	12239.9
12238.7	7.5°	12467.9	12696.7	12902.7	13108.8	13232.8	13356.9	13424.1	13490.9	13523.1	13490.9
12855.3	10°	13126.2	13397.1	13638.8	13880.5	14027.0	14172.7	14238.0	14302.8	14327.5	14302.8
13232.8	12.5°	13526.5	13819.8	14038.4	14256.2	14362.4	14468.7	14504.3	14540.0	14543.8	14540.0
13462.4	15°	13715.9	13968.9	14105.9	14243.3	14247.1	14250.9	14212.9	14175.0	14130.2	14175.0
13591.4	17.5°	13762.5	13933.7	13936.3	13938.6	13784.9	13631.2	13490.5	13349.3	13249.9	13349.3
13733.7	20°	13793.3	13853.2	13673.0	13492.8	13153.5	12814.3	12567.3	12320.3	12168.5	12320.3
13898.7	22.5°	13820.6	13742.4	13369.1	12995.7	12496.7	11997.8	11688.9	11380.0	11212.3	11380.0
14111.2	25°	13864.6	13618.0	13051.1	12484.2	11878.2	11272.3	10947.5	10623.5	10464.8	10623.5
14399.6	27.5°	13958.7	13517.4	12766.5	12016.0	11344.4	10672.8	10353.3	10034.2	9884.3	10034.2
14788.5	30°	14131.0	13473.8	12549.5	11625.2	10925.5	10225.8	9929.5	9633.1	9493.5	9633.1
15247.6	32.5°	14347.2	13447.2	12401.5	11355.8	10698.2	10040.6	9808.0	9575.1	9474.5	9575.1
15805.4	35°	14703.5	13602.0	12512.3	11422.9	10966.1	10509.6	10455.4	10401.1	10392.8	10401.1
16744.5	37.5°	15448.4	14152.2	13161.9	12171.6	12142.0	12112.4	12360.5	12608.7	12737.7	12608.7
18163.6	40°	16754.0	15344.4	14607.9	13871.4	14391.3	14911.1	15514.4	16117.7	16418.2	16117.7
20045.6	42.5°	18647.0	17248.4	16824.2	16400.0	17533.7	18667.5	19764.8	20862.2	21506.4	20862.2
22369.7	45°	21113.3	19856.7	19669.6	19482.2	21298.5	23115.3	24918.3	26721.8	27816.5	26721.8
25276.1	47.5°	24054.0	22831.4	22793.5	22755.5	25375.9	27995.6	30635.3	33274.7	34824.7	33274.7
29085.7	50°	27575.9	26066.5	26073.0	26079.4	29456.4	32833.4	36317.7	39802.1	41908.7	39802.1
33458.7	52.5°	31630.6	29802.8	29618.0	29432.9	33466.7	37500.4	41811.6	46122.4	48647.5	46122.4
38114.4	55°	36308.2	34502.1	33781.6	33061.0	37550.5	42039.6	47179.1	52318.6	55321.8	52318.6
42348.9	57.5°	41365.4	40381.5	38936.2	37491.3	42024.5	46557.6	52378.9	58199.8	61924.0	58199.8
44908.2	60°	46435.8	47963.8	46169.0	44374.3	48664.2	52954.1	59186.7	65419.4	69444.4	65419.4
43608.6	62.5°	47782.8	51957.0	51754.7	51552.1	55481.9	59412.1	65341.9	71271.4	74991.8	71271.4
41007.6	65°	44925.2	48842.9	49618.1	50392.9	55387.1	60381.6	66131.6	71881.1	75048.7	71881.1
37522.4	67.5°	41248.5	44974.6	45338.1	45701.2	50904.8	56108.0	61882.6	67657.3	70138.8	67657.3
33335.4	70°	37388.1	41441.3	41603.7	41766.4	46419.8	51072.9	56042.3	61011.4	62390.7	61011.4
28345.8	72.5°	32996.5	37647.7	37764.5	37881.0	41521.7	45162.4	48884.3	52605.8	52745.4	52605.8
22033.9	75°	26847.4	31660.9	32093.1	32525.3	35357.8	38190.3	40810.3	43430.3	42728.3	43430.3
15742.8	77.5°	20236.1	24729.8	25348.2	25966.7	28120.0	30273.3	32131.4	33989.9	32783.3	33989.9
10303.6	80°	14083.9	17863.9	18632.6	19401.3	21027.6	22653.1	23629.0	24604.5	22663.7	24604.5
5989.4	82.5°	8573.7	11158.5	12017.1	12876.2	13995.5	15114.8	15522.0	15928.7	14403.4	15928.7
2635.2	85°	4006.8	5378.5	6108.9	6839.3	7759.1	8678.5	8909.5	9140.6	7918.8	9140.6
815.8	87.5°	1276.8	1737.8	2145.3	2552.8	3012.7	3472.6	3492.3	3511.7	2948.2	3511.7
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):

325°		330°	335°	340°	345°	350°	355°	360°
9888.1	0°	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1	9888.1
10914.5	2.5°	10897.4	10863.3	10829.1	10771.8	10714.5	10673.9	10633.7
12193.6	5°	12147.6	12071.8	11995.9	11855.9	11716.2	11575.1	11434.3
13424.1	7.5°	13356.9	13232.8	13108.8	12902.7	12696.7	12467.9	12238.7
14238.0	10°	14172.7	14027.0	13880.5	13638.8	13397.1	13126.2	12855.3
14504.3	12.5°	14468.7	14362.4	14256.2	14038.4	13819.8	13526.5	13232.8
14212.9	15°	14250.9	14247.1	14243.3	14105.9	13968.9	13715.9	13462.4
13490.5	17.5°	13631.2	13784.9	13938.6	13936.3	13933.7	13762.5	13591.4
12567.3	20°	12814.3	13153.5	13492.8	13673.0	13853.2	13793.3	13733.7
11688.9	22.5°	11997.8	12496.7	12995.7	13369.1	13742.4	13820.6	13898.7
10947.5	25°	11272.3	11878.2	12484.2	13051.1	13618.0	13864.6	14111.2
10353.3	27.5°	10672.8	11344.4	12016.0	12766.5	13517.4	13958.7	14399.6
9929.5	30°	10225.8	10925.5	11625.2	12549.5	13473.8	14131.0	14788.5
9808.0	32.5°	10040.6	10698.2	11355.8	12401.5	13447.2	14347.2	15247.6
10455.4	35°	10509.6	10966.1	11422.9	12512.3	13602.0	14703.5	15805.4
12360.5	37.5°	12112.4	12142.0	12171.6	13161.9	14152.2	15448.4	16744.5
15514.4	40°	14911.1	14391.3	13871.4	14607.9	15344.4	16754.0	18163.6
19764.8	42.5°	18667.5	17533.7	16400.0	16824.2	17248.4	18647.0	20045.6
24918.3	45°	23115.3	21298.5	19482.2	19669.6	19856.7	21113.3	22369.7
30635.3	47.5°	27995.6	25375.9	22755.5	22793.5	22831.4	24054.0	25276.1
36317.7	50°	32833.4	29456.4	26079.4	26073.0	26066.5	27575.9	29085.7
41811.6	52.5°	37500.4	33466.7	29432.9	29618.0	29802.8	31630.6	33458.7
47179.1	55°	42039.6	37550.5	33061.0	33781.6	34502.1	36308.2	38114.4
52378.9	57.5°	46557.6	42024.5	37491.3	38936.2	40381.5	41365.4	42348.9
59186.7	60°	52954.1	48664.2	44374.3	46169.0	47963.8	46435.8	44908.2
65341.9	62.5°	59412.1	55481.9	51552.1	51754.7	51957.0	47782.8	43608.6
66131.6	65°	60381.6	55387.1	50392.9	49618.1	48842.9	44925.2	41007.6
61882.6	67.5°	56108.0	50904.8	45701.2	45338.1	44974.6	41248.5	37522.4
56042.3	70°	51072.9	46419.8	41766.4	41603.7	41441.3	37388.1	33335.4
48884.3	72.5°	45162.4	41521.7	37881.0	37764.5	37647.7	32996.5	28345.8
40810.3	75°	38190.3	35357.8	32525.3	32093.1	31660.9	26847.4	22033.9
32131.4	77.5°	30273.3	28120.0	25966.7	25348.2	24729.8	20236.1	15742.8
23629.0	80°	22653.1	21027.6	19401.3	18632.6	17863.9	14083.9	10303.6
15522.0	82.5°	15114.8	13995.5	12876.2	12017.1	11158.5	8573.7	5989.4
8909.5	85°	8678.5	7759.1	6839.3	6108.9	5378.5	4006.8	2635.2
3492.3	87.5°	3472.6	3012.7	2552.8	2145.3	1737.8	1276.8	815.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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