

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: P955445

Luminaire Tested: **GALN-SB8B-927-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955445
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-SB8B-927-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27617 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

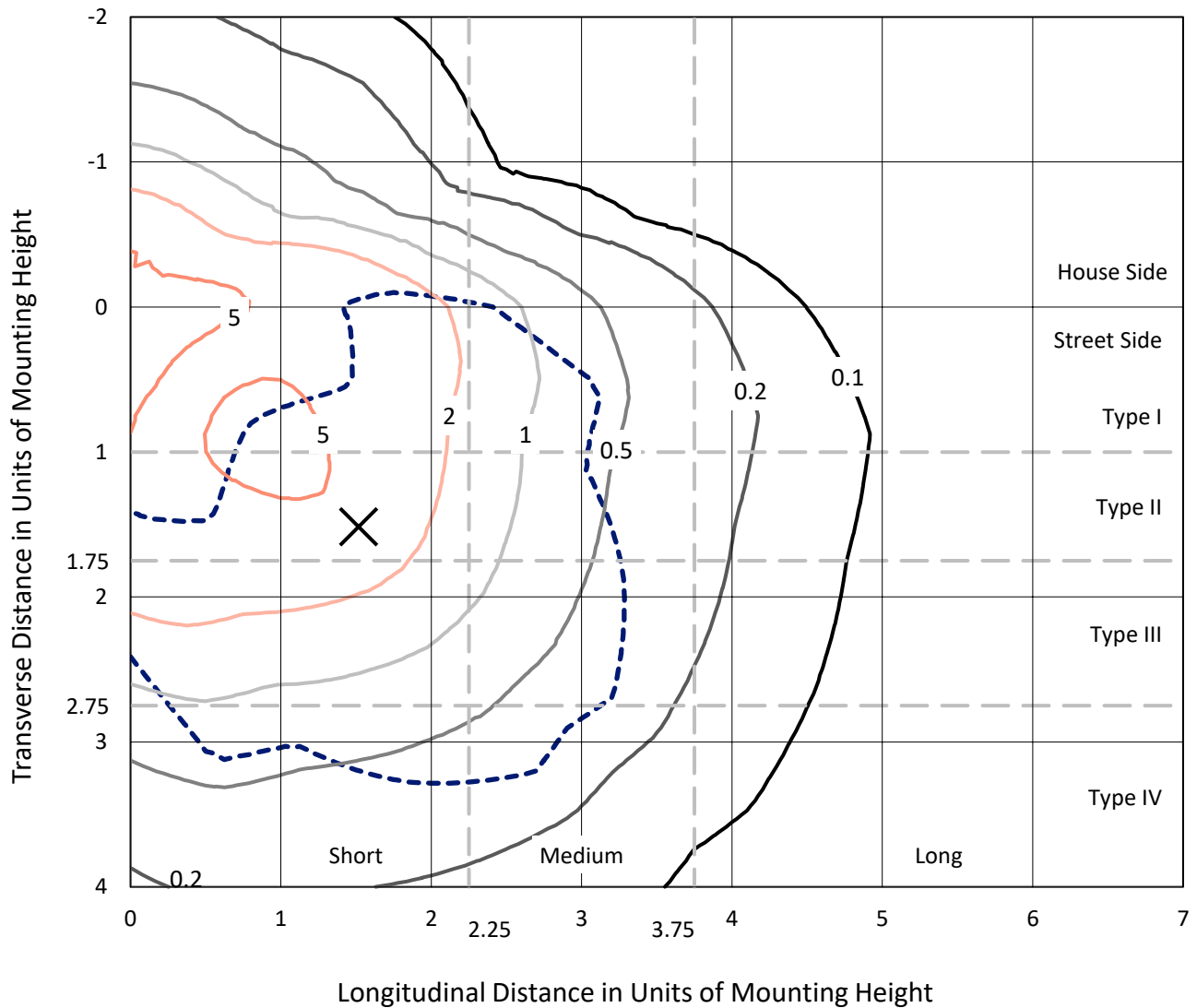
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

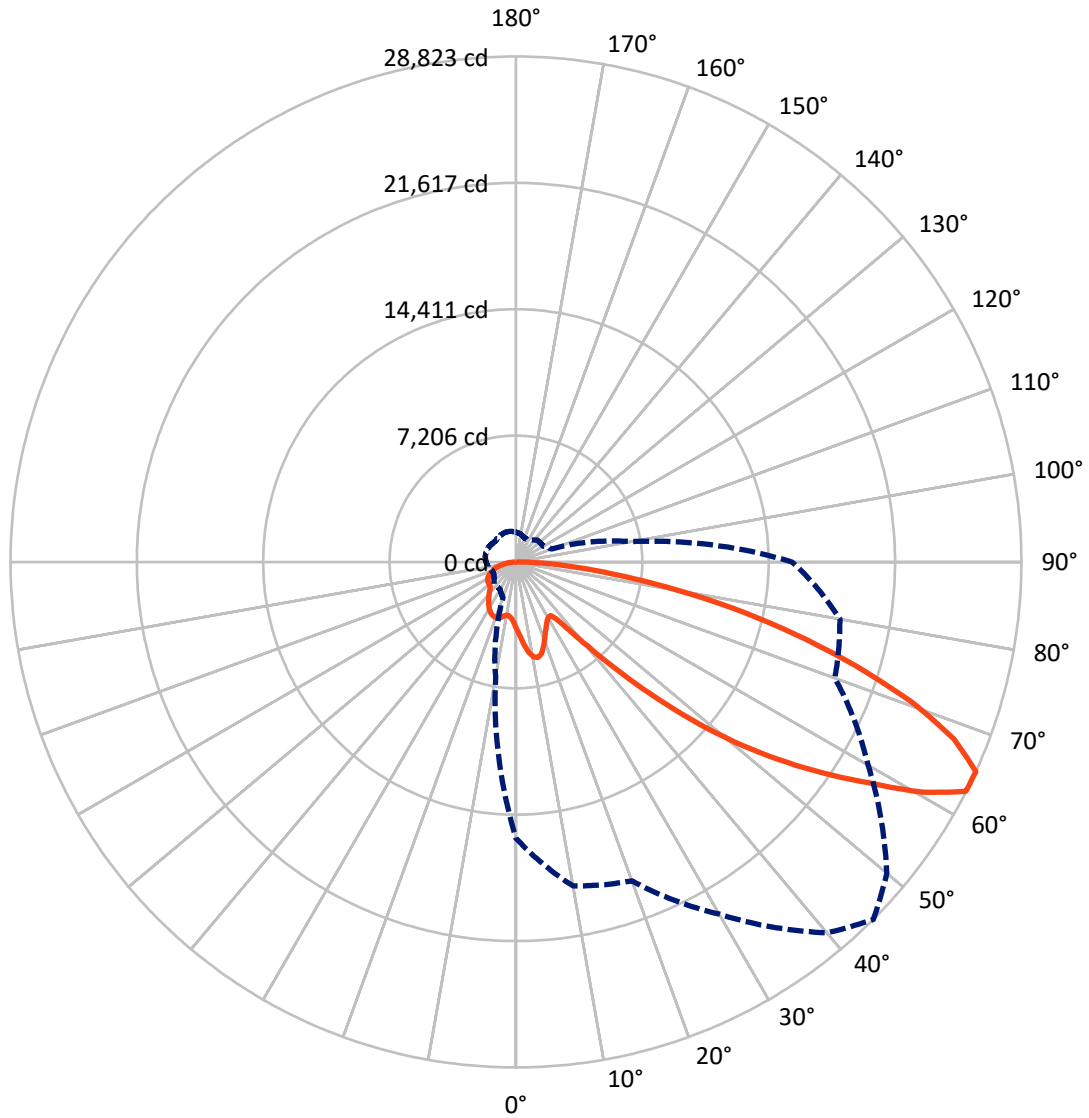
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	7018.9	0.0	7018.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	20598.1	0.0	20598.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	27617.0	0.0	27617.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	1.4
10°-20°	1182.6	4.3
20°-30°	1826.7	6.6
30°-40°	2314.9	8.4
40°-50°	3491.4	12.6
50°-60°	5640.9	20.4
60°-70°	7032.3	25.5
70°-80°	4611.4	16.7
80°-90°	1140.1	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°	27617.0	100.0
0°-180°	27617.0	100.0

Coefficient of Utilization



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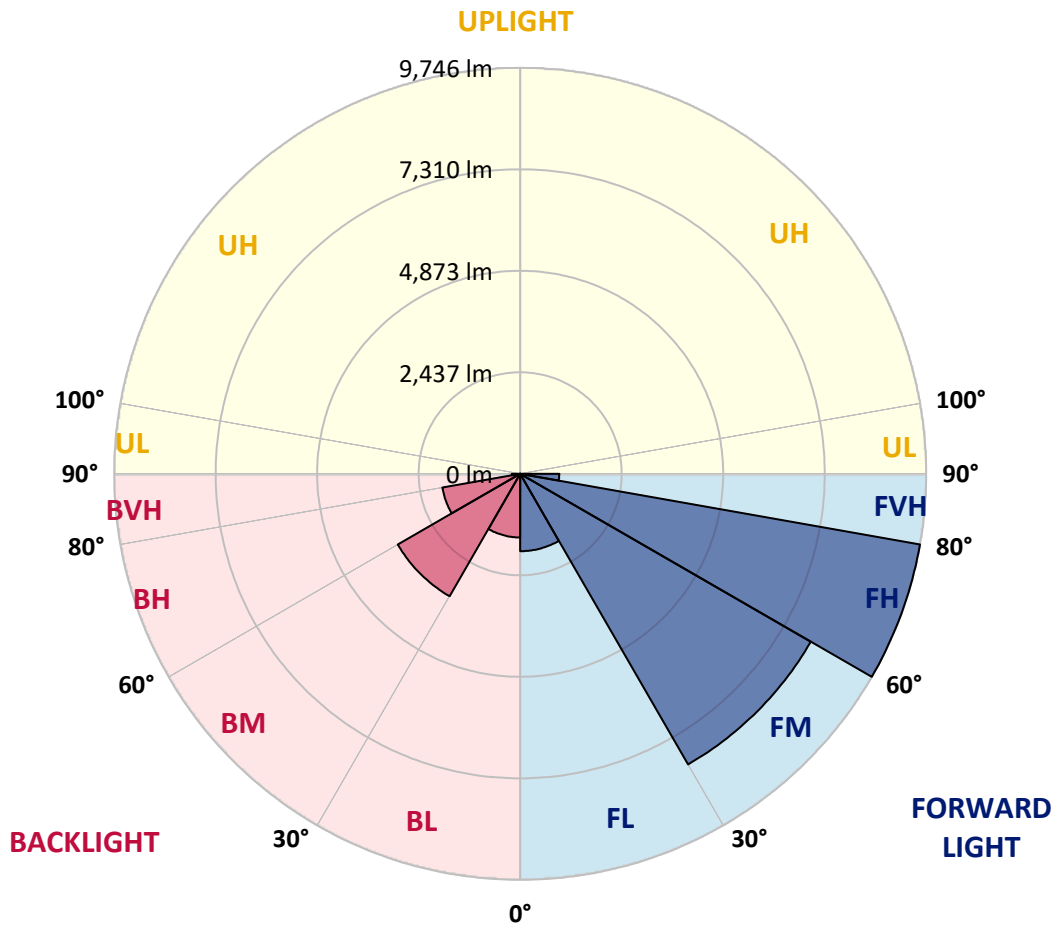
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1857.6	6.7			
FM (30°-60°)	8055.3	29.2			
FH (60°-80°)	9746.2	35.3			G4/12000
FVH (80°-90°)	939.2	3.4			G5
BL (0°-30°)	1528.4	5.5	B3/2500		
BM (30°-60°)	3391.9	12.3	B3/5000		
BH (60°-80°)	1897.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	200.9	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6
2.5°	4083.9	4099.4	4115.0	4137.0	4159.0	4172.1	4185.2	4191.8	4198.3	4195.4
5°	4391.4	4445.5	4499.7	4553.3	4607.1	4636.2	4665.4	4683.0	4700.8	4714.2
7.5°	4700.3	4788.4	4876.2	4955.4	5034.5	5082.1	5129.8	5155.6	5181.2	5193.6
10°	4937.1	5041.2	5145.2	5238.1	5330.9	5387.1	5443.1	5468.2	5493.1	5502.5
12.5°	5082.1	5194.9	5307.6	5391.5	5475.2	5516.0	5556.8	5570.5	5584.2	5585.6
15°	5170.3	5267.6	5364.8	5417.4	5470.2	5471.7	5473.1	5458.5	5444.0	5426.8
17.5°	5219.8	5285.6	5351.3	5352.3	5353.2	5294.2	5235.1	5181.1	5126.9	5088.7
20°	5274.5	5297.4	5320.4	5251.2	5182.0	5051.7	4921.4	4826.5	4731.7	4673.4
22.5°	5337.9	5307.9	5277.8	5134.5	4991.1	4799.4	4607.8	4489.2	4370.6	4306.2
25°	5419.5	5324.8	5230.0	5012.3	4794.6	4561.9	4329.2	4204.4	4080.0	4019.1
27.5°	5530.2	5360.9	5191.4	4903.0	4614.8	4356.9	4098.9	3976.2	3853.7	3796.1
30°	5679.6	5427.1	5174.7	4819.7	4464.7	4196.0	3927.3	3813.5	3699.6	3646.0
32.5°	5855.9	5510.1	5164.5	4762.9	4361.2	4108.7	3856.2	3766.8	3677.4	3638.7
35°	6070.1	5647.0	5223.9	4805.4	4387.0	4211.6	4036.3	4015.4	3994.6	3991.4
37.5°	6430.8	5933.0	5435.2	5054.9	4674.5	4663.2	4651.8	4747.1	4842.4	4892.0
40°	6975.8	6434.5	5893.1	5610.2	5327.4	5527.0	5726.7	5958.4	6190.1	6305.5
42.5°	7698.6	7161.5	6624.3	6461.4	6298.5	6733.9	7169.3	7590.8	8012.2	8259.7
45°	8591.2	8108.7	7626.0	7554.2	7482.2	8179.8	8877.5	9570.0	10262.6	10683.0
47.5°	9707.4	9238.0	8768.5	8754.0	8739.4	9745.7	10751.8	11765.6	12779.3	13374.6
50°	11170.5	10590.7	10011.0	10013.4	10015.9	11312.9	12609.8	13948.0	15286.2	16095.2
52.5°	12850.0	12147.9	11445.9	11374.9	11303.8	12853.0	14402.2	16057.9	17713.5	18683.3
55°	14638.0	13944.4	13250.7	12974.0	12697.3	14421.5	16145.5	18119.4	20093.2	21246.6
57.5°	16264.3	15886.6	15508.7	14953.6	14398.7	16139.7	17880.7	20116.4	22351.9	23782.2
60°	17247.2	17833.9	18420.7	17731.4	17042.2	18689.7	20337.3	22731.0	25124.6	26670.5
62.5°	16748.1	18351.2	19954.3	19876.6	19798.8	21308.1	22817.5	25094.9	27372.1	28801.0
65°	15749.2	17253.8	18758.4	19056.1	19353.6	21271.7	23189.8	25398.1	27606.3	28822.8
67.5°	14410.7	15841.7	17272.7	17412.3	17551.8	19550.2	21548.5	23766.3	25984.1	26937.1
70°	12802.6	14359.1	15915.7	15978.1	16040.6	17827.8	19614.8	21523.3	23431.7	23961.4
72.5°	10886.3	12672.5	14458.8	14503.6	14548.4	15946.6	17344.8	18774.2	20203.5	20257.1
75°	8462.2	10310.9	12159.5	12325.5	12491.5	13579.3	14667.2	15673.4	16679.6	16410.0
77.5°	6046.1	7771.8	9497.6	9735.1	9972.6	10799.6	11626.6	12340.2	13054.0	12590.6
80°	3957.1	5409.0	6860.7	7155.9	7451.2	8075.7	8700.0	9074.8	9449.5	8704.1
82.5°	2300.3	3292.8	4285.5	4615.2	4945.2	5375.0	5804.9	5961.3	6117.5	5531.7
85°	1012.1	1538.8	2065.6	2346.2	2626.7	2979.9	3333.0	3421.8	3510.5	3041.3
87.5°	313.3	490.4	667.4	823.9	980.4	1157.1	1333.7	1341.2	1348.7	1132.3
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°
3797.6	0°	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6
4198.3	2.5°	4191.8	4185.2	4172.1	4159.0	4137.0	4115.0	4099.4	4083.9	4052.6	4021.3
4700.8	5°	4683.0	4665.4	4636.2	4607.1	4553.3	4499.7	4445.5	4391.4	4322.2	4253.0
5181.2	7.5°	5155.6	5129.8	5082.1	5034.5	4955.4	4876.2	4788.4	4700.3	4586.1	4472.0
5493.1	10°	5468.2	5443.1	5387.1	5330.9	5238.1	5145.2	5041.2	4937.1	4792.7	4648.3
5584.2	12.5°	5570.5	5556.8	5516.0	5475.2	5391.5	5307.6	5194.9	5082.1	4923.4	4764.9
5444.0	15°	5458.5	5473.1	5471.7	5470.2	5417.4	5364.8	5267.6	5170.3	5004.9	4839.5
5126.9	17.5°	5181.1	5235.1	5294.2	5353.2	5352.3	5351.3	5285.6	5219.8	5052.1	4884.4
4731.7	20°	4826.5	4921.4	5051.7	5182.0	5251.2	5320.4	5297.4	5274.5	5100.2	4925.8
4370.6	22.5°	4489.2	4607.8	4799.4	4991.1	5134.5	5277.8	5307.9	5337.9	5159.8	4981.6
4080.0	25°	4204.4	4329.2	4561.9	4794.6	5012.3	5230.0	5324.8	5419.5	5244.9	5070.5
3853.7	27.5°	3976.2	4098.9	4356.9	4614.8	4903.0	5191.4	5360.9	5530.2	5363.8	5197.3
3699.6	30°	3813.5	3927.3	4196.0	4464.7	4819.7	5174.7	5427.1	5679.6	5518.7	5358.0
3677.4	32.5°	3766.8	3856.2	4108.7	4361.2	4762.9	5164.5	5510.1	5855.9	5696.7	5537.5
3994.6	35°	4015.4	4036.3	4211.6	4387.0	4805.4	5223.9	5647.0	6070.1	5917.7	5765.1
4842.4	37.5°	4747.1	4651.8	4663.2	4674.5	5054.9	5435.2	5933.0	6430.8	6236.4	6042.0
6190.1	40°	5958.4	5726.7	5527.0	5327.4	5610.2	5893.1	6434.5	6975.8	6692.5	6409.2
8012.2	42.5°	7590.8	7169.3	6733.9	6298.5	6461.4	6624.3	7161.5	7698.6	7289.7	6880.8
10262.6	45°	9570.0	8877.5	8179.8	7482.2	7554.2	7626.0	8108.7	8591.2	8039.6	7488.0
12779.3	47.5°	11765.6	10751.8	9745.7	8739.4	8754.0	8768.5	9238.0	9707.4	8931.2	8154.7
15286.2	50°	13948.0	12609.8	11312.9	10015.9	10013.4	10011.0	10590.7	11170.5	10000.2	8829.7
17713.5	52.5°	16057.9	14402.2	12853.0	11303.8	11374.9	11445.9	12147.9	12850.0	11123.1	9396.3
20093.2	55°	18119.4	16145.5	14421.5	12697.3	12974.0	13250.7	13944.4	14638.0	12118.7	9599.6
22351.9	57.5°	20116.4	17880.7	16139.7	14398.7	14953.6	15508.7	15886.6	16264.3	12824.3	9384.4
25124.6	60°	22731.0	20337.3	18689.7	17042.2	17731.4	18420.7	17833.9	17247.2	13000.6	8754.0
27372.1	62.5°	25094.9	22817.5	21308.1	19798.8	19876.6	19954.3	18351.2	16748.1	12258.2	7768.3
27606.3	65°	25398.1	23189.8	21271.7	19353.6	19056.1	18758.4	17253.8	15749.2	11207.7	6666.2
25984.1	67.5°	23766.3	21548.5	19550.2	17551.8	17412.3	17272.7	15841.7	14410.7	9957.5	5504.3
23431.7	70°	21523.3	19614.8	17827.8	16040.6	15978.1	15915.7	14359.1	12802.6	8593.4	4384.1
20203.5	72.5°	18774.2	17344.8	15946.6	14548.4	14503.6	14458.8	12672.5	10886.3	7114.6	3342.9
16679.6	75°	15673.4	14667.2	13579.3	12491.5	12325.5	12159.5	10310.9	8462.2	5419.3	2376.5
13054.0	77.5°	12340.2	11626.6	10799.6	9972.6	9735.1	9497.6	7771.8	6046.1	3793.1	1540.0
9449.5	80°	9074.8	8700.0	8075.7	7451.2	7155.9	6860.7	5409.0	3957.1	2443.8	930.4
6117.5	82.5°	5961.3	5804.9	5375.0	4945.2	4615.2	4285.5	3292.8	2300.3	1414.4	528.7
3510.5	85°	3421.8	3333.0	2979.9	2626.7	2346.2	2065.6	1538.8	1012.1	636.2	260.6
1348.7	87.5°	1341.2	1333.7	1157.1	980.4	823.9	667.4	490.4	313.3	208.4	103.5
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3797.6	0°	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6
3987.9	2.5°	3954.7	3921.1	3887.6	3855.6	3823.5	3792.5	3757.9	3730.0	3702.1	3676.9
4183.9	5°	4115.0	4045.5	3976.1	3911.2	3846.4	3785.2	3724.7	3672.0	3619.1	3574.8
4366.5	7.5°	4261.0	4158.2	4055.5	3965.0	3874.5	3791.0	3712.8	3642.5	3572.4	3514.1
4508.9	10°	4369.5	4244.8	4119.9	4013.0	3905.7	3802.7	3718.6	3644.6	3570.5	3512.2
4606.9	12.5°	4449.0	4301.8	4154.6	4033.5	3912.4	3804.1	3725.9	3665.3	3604.9	3566.2
4668.1	15°	4496.8	4327.3	4157.8	4017.6	3877.4	3757.5	3694.8	3665.8	3637.0	3642.2
4697.4	17.5°	4510.5	4313.7	4117.0	3948.4	3779.8	3638.7	3600.1	3610.8	3621.2	3684.8
4720.3	20°	4514.8	4276.4	4038.0	3829.1	3620.1	3455.9	3445.7	3495.2	3544.7	3655.1
4751.2	22.5°	4520.7	4230.7	3940.7	3689.0	3437.3	3250.4	3270.3	3343.6	3416.9	3542.8
4807.2	25°	4543.7	4185.5	3827.4	3532.6	3238.0	3046.4	3100.3	3184.8	3269.3	3382.6
4894.6	27.5°	4591.8	4155.3	3718.9	3389.7	3060.5	2886.1	2951.6	3033.3	3114.9	3208.0
5007.8	30°	4657.6	4141.2	3624.5	3270.2	2915.9	2769.5	2820.9	2885.6	2950.6	3027.9
5126.0	32.5°	4714.5	4123.7	3532.6	3167.2	2801.5	2683.5	2706.4	2744.7	2783.0	2844.7
5260.6	35°	4756.1	4090.8	3425.7	3065.9	2706.1	2607.7	2598.3	2608.8	2619.4	2666.5
5411.5	37.5°	4780.9	4034.4	3287.8	2946.7	2605.6	2519.6	2484.9	2473.2	2461.6	2495.4
5603.0	40°	4796.5	3956.7	3117.0	2804.5	2491.9	2413.9	2360.7	2334.4	2308.0	2332.3
5853.5	42.5°	4826.1	3876.6	2927.3	2647.5	2367.7	2295.9	2228.9	2193.9	2158.9	2178.7
6183.1	45°	4878.1	3802.1	2726.2	2480.8	2235.4	2162.5	2097.7	2063.6	2029.6	2046.3
6534.3	47.5°	4913.8	3740.6	2567.4	2348.9	2130.5	2036.5	1980.7	1952.1	1923.6	1939.3
6860.1	50°	4890.5	3673.6	2456.6	2261.3	2066.1	1942.5	1877.7	1852.3	1827.1	1851.6
7071.7	52.5°	4747.0	3560.3	2373.8	2203.6	2033.6	1891.5	1800.9	1775.8	1750.9	1787.7
7025.1	55°	4450.4	3372.6	2294.9	2161.8	2028.8	1896.6	1760.1	1720.4	1680.9	1733.2
6696.9	57.5°	4009.6	3108.0	2206.3	2112.3	2018.3	1901.7	1735.6	1677.9	1620.2	1676.4
6086.2	60°	3418.4	2764.4	2110.4	2036.5	1962.6	1885.7	1712.6	1637.8	1562.9	1612.3
5260.4	62.5°	2752.4	2353.2	1953.9	1904.8	1855.8	1846.3	1685.7	1592.2	1498.8	1530.1
4417.8	65°	2169.5	1983.2	1796.8	1773.6	1750.4	1751.6	1629.2	1529.8	1430.3	1442.4
3592.4	67.5°	1680.5	1627.6	1574.6	1587.5	1600.3	1597.1	1528.4	1445.6	1362.8	1359.0
2828.5	70°	1272.9	1288.1	1303.1	1363.1	1423.0	1423.0	1400.4	1341.5	1282.7	1269.6
2162.4	72.5°	981.9	1027.5	1073.3	1158.4	1243.3	1257.6	1257.9	1217.5	1177.2	1157.9
1569.5	75°	762.4	803.8	845.2	940.5	1035.8	1101.7	1096.1	1065.1	1033.9	1015.6
1063.5	77.5°	587.0	615.1	643.4	735.9	828.4	937.0	934.1	909.2	884.3	865.6
685.2	80°	440.1	451.7	463.4	541.8	620.1	749.8	749.3	728.5	707.5	691.9
421.4	82.5°	314.5	316.5	318.8	376.6	434.3	545.0	551.1	540.9	530.7	519.7
225.3	85°	190.2	189.2	188.0	230.2	272.5	354.8	362.9	351.9	341.0	328.6
93.4	87.5°	83.4	82.3	81.3	98.5	115.9	150.1	160.3	155.9	151.6	149.2
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°
3797.6	0°	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6
3651.9	2.5°	3629.8	3607.8	3585.7	3563.7	3546.6	3529.4	3515.6	3501.8	3491.0	3480.2
3530.6	5°	3491.6	3452.5	3417.1	3381.5	3354.3	3326.9	3307.8	3288.7	3275.2	3261.6
3455.9	7.5°	3406.7	3357.5	3314.1	3270.8	3238.3	3205.9	3183.2	3160.5	3144.9	3129.4
3454.0	10°	3401.1	3348.0	3299.2	3250.4	3211.6	3172.7	3147.4	3121.7	3107.0	3092.3
3527.7	12.5°	3486.0	3444.6	3394.1	3343.6	3294.1	3244.6	3211.8	3179.0	3162.5	3146.2
3647.5	15°	3636.7	3625.9	3582.0	3538.2	3467.7	3397.1	3347.3	3297.4	3274.6	3251.8
3748.3	17.5°	3782.1	3815.8	3780.4	3745.1	3651.7	3558.3	3484.9	3411.4	3377.6	3343.6
3765.5	20°	3836.2	3906.9	3890.5	3874.1	3767.3	3660.6	3570.5	3480.6	3437.3	3393.9
3669.0	22.5°	3761.0	3853.0	3862.9	3872.6	3770.6	3668.6	3575.9	3483.1	3437.5	3391.7
3495.9	25°	3586.4	3676.9	3710.7	3744.4	3660.7	3577.2	3494.8	3412.6	3372.9	3333.4
3300.9	27.5°	3373.5	3446.1	3483.7	3521.4	3461.8	3402.4	3338.4	3274.4	3247.9	3221.2
3105.1	30°	3165.3	3225.6	3256.2	3286.8	3241.5	3196.0	3150.3	3104.2	3090.7	3077.0
2906.5	32.5°	2964.2	3022.0	3056.0	3090.1	3048.4	3006.6	2970.0	2933.4	2924.5	2915.7
2713.4	35°	2770.5	2827.8	2868.6	2909.4	2879.7	2850.1	2816.3	2782.6	2769.1	2755.6
2529.0	37.5°	2586.0	2643.1	2693.6	2744.0	2730.3	2716.6	2685.6	2654.4	2629.7	2605.3
2356.7	40°	2411.7	2466.8	2524.8	2583.0	2586.3	2589.5	2563.1	2536.8	2500.9	2465.4
2198.7	42.5°	2250.9	2303.2	2365.8	2428.5	2445.3	2462.0	2439.7	2417.6	2373.1	2328.7
2063.2	45°	2112.7	2162.3	2227.3	2292.2	2316.3	2340.3	2320.2	2300.3	2249.4	2198.7
1954.9	47.5°	2003.4	2051.8	2115.9	2180.0	2207.7	2235.4	2221.4	2207.4	2162.3	2117.1
1876.2	50°	1922.0	1967.6	2025.0	2082.4	2118.0	2153.5	2152.6	2152.1	2115.9	2079.8
1824.5	52.5°	1866.4	1908.3	1961.7	2015.4	2057.5	2099.6	2107.2	2114.8	2085.3	2055.9
1785.4	55°	1830.6	1875.8	1922.7	1969.5	2014.1	2058.8	2069.3	2079.8	2054.1	2028.5
1732.7	57.5°	1785.7	1838.7	1885.1	1931.6	1976.6	2021.5	2032.1	2042.8	2016.8	1990.9
1661.5	60°	1722.5	1783.4	1830.4	1877.7	1922.8	1968.0	1979.7	1991.3	1966.0	1940.8
1561.4	62.5°	1632.4	1703.5	1753.8	1804.1	1845.5	1886.8	1898.1	1909.3	1886.4	1863.5
1454.3	65°	1530.4	1606.6	1654.7	1702.8	1739.2	1775.7	1787.2	1798.5	1776.5	1754.5
1355.2	67.5°	1425.5	1495.9	1541.5	1586.9	1618.4	1649.9	1661.1	1672.2	1651.9	1631.8
1256.4	70°	1318.2	1380.0	1419.4	1458.7	1487.1	1515.5	1526.3	1537.1	1520.6	1504.2
1138.8	72.5°	1187.5	1236.0	1271.6	1307.1	1335.0	1362.8	1375.6	1388.5	1374.8	1361.1
997.0	75°	1033.2	1069.3	1101.5	1133.7	1159.1	1184.4	1197.9	1211.3	1204.6	1197.9
846.9	77.5°	876.4	905.7	933.4	961.1	987.7	1014.2	1026.8	1039.3	1030.0	1020.4
676.2	80°	700.6	725.0	748.3	771.6	791.9	812.0	828.6	845.2	841.1	837.2
508.6	82.5°	506.5	504.5	496.3	488.2	531.3	574.4	602.7	631.0	629.2	627.3
316.2	85°	305.7	295.1	272.5	249.9	290.3	330.8	365.8	400.7	397.8	394.9
146.9	87.5°	146.5	146.0	128.8	111.5	128.4	145.4	159.6	173.7	170.2	166.4
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3797.6	0°	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6
3470.3	2.5°	3460.2	3447.8	3460.2	3470.3	3480.2	3491.0	3501.8	3515.6	3529.4	3546.6
3251.3	5°	3240.9	3230.7	3240.9	3251.3	3261.6	3275.2	3288.7	3307.8	3326.9	3354.3
3120.1	7.5°	3110.9	3103.9	3110.9	3120.1	3129.4	3144.9	3160.5	3183.2	3205.9	3238.3
3084.4	10°	3076.5	3073.3	3076.5	3084.4	3092.3	3107.0	3121.7	3147.4	3172.7	3211.6
3139.5	12.5°	3132.8	3131.6	3132.8	3139.5	3146.2	3162.5	3179.0	3211.8	3244.6	3294.1
3243.1	15°	3234.4	3233.6	3234.4	3243.1	3251.8	3274.6	3297.4	3347.3	3397.1	3467.7
3332.6	17.5°	3321.3	3319.6	3321.3	3332.6	3343.6	3377.6	3411.4	3484.9	3558.3	3651.7
3380.1	20°	3366.2	3361.9	3366.2	3380.1	3393.9	3437.3	3480.6	3570.5	3660.6	3767.3
3376.4	22.5°	3361.1	3354.6	3361.1	3376.4	3391.7	3437.5	3483.1	3575.9	3668.6	3770.6
3319.0	25°	3304.7	3296.3	3304.7	3319.0	3333.4	3372.9	3412.6	3494.8	3577.2	3660.7
3214.7	27.5°	3208.1	3205.9	3208.1	3214.7	3221.2	3247.9	3274.4	3338.4	3402.4	3461.8
3077.0	30°	3077.0	3079.2	3077.0	3077.0	3077.0	3090.7	3104.2	3150.3	3196.0	3241.5
2916.8	32.5°	2918.1	2920.3	2918.1	2916.8	2915.7	2924.5	2933.4	2970.0	3006.6	3048.4
2752.7	35°	2749.8	2748.4	2749.8	2752.7	2755.6	2769.1	2782.6	2816.3	2850.1	2879.7
2592.3	37.5°	2579.3	2572.0	2579.3	2592.3	2605.3	2629.7	2654.4	2685.6	2716.6	2730.3
2441.2	40°	2417.3	2403.0	2417.3	2441.2	2465.4	2500.9	2536.8	2563.1	2589.5	2586.3
2293.6	42.5°	2258.4	2235.4	2258.4	2293.6	2328.7	2373.1	2417.6	2439.7	2462.0	2445.3
2157.4	45°	2116.2	2089.7	2116.2	2157.4	2198.7	2249.4	2300.3	2320.2	2340.3	2316.3
2078.9	47.5°	2040.9	2015.4	2040.9	2078.9	2117.1	2162.3	2207.4	2221.4	2235.4	2207.7
2044.5	50°	2009.2	1984.8	2009.2	2044.5	2079.8	2115.9	2152.1	2152.6	2153.5	2118.0
2024.3	52.5°	1992.8	1970.2	1992.8	2024.3	2055.9	2085.3	2114.8	2107.2	2099.6	2057.5
2000.8	55°	1973.1	1952.7	1973.1	2000.8	2028.5	2054.1	2079.8	2069.3	2058.8	2014.1
1963.5	57.5°	1935.9	1914.8	1935.9	1963.5	1990.9	2016.8	2042.8	2032.1	2021.5	1976.6
1912.5	60°	1884.2	1862.4	1884.2	1912.5	1940.8	1966.0	1991.3	1979.7	1968.0	1922.8
1833.8	62.5°	1804.1	1777.8	1804.1	1833.8	1863.5	1886.4	1909.3	1898.1	1886.8	1845.5
1725.7	65°	1697.0	1674.4	1697.0	1725.7	1754.5	1776.5	1798.5	1787.2	1775.7	1739.2
1605.0	67.5°	1578.2	1557.8	1578.2	1605.0	1631.8	1651.9	1672.2	1661.1	1649.9	1618.4
1478.5	70°	1452.9	1429.6	1452.9	1478.5	1504.2	1520.6	1537.1	1526.3	1515.5	1487.1
1336.6	72.5°	1312.2	1289.7	1312.2	1336.6	1361.1	1374.8	1388.5	1375.6	1362.8	1335.0
1177.3	75°	1156.8	1135.2	1156.8	1177.3	1197.9	1204.6	1211.3	1197.9	1184.4	1159.1
999.7	77.5°	979.0	961.8	979.0	999.7	1020.4	1030.0	1039.3	1026.8	1014.2	987.7
809.4	80°	781.4	749.0	781.4	809.4	837.2	841.1	845.2	828.6	812.0	791.9
603.9	82.5°	580.3	559.6	580.3	603.9	627.3	629.2	631.0	602.7	574.4	531.3
376.6	85°	358.2	339.5	358.2	376.6	394.9	397.8	400.7	365.8	330.8	290.3
157.1	87.5°	147.5	138.4	147.5	157.1	166.4	170.2	173.7	159.6	145.4	128.4
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°
3797.6	0°	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6
3563.7	2.5°	3585.7	3607.8	3629.8	3651.9	3676.9	3702.1	3730.0	3757.9	3792.5	3823.5
3381.5	5°	3417.1	3452.5	3491.6	3530.6	3574.8	3619.1	3672.0	3724.7	3785.2	3846.4
3270.8	7.5°	3314.1	3357.5	3406.7	3455.9	3514.1	3572.4	3642.5	3712.8	3791.0	3874.5
3250.4	10°	3299.2	3348.0	3401.1	3454.0	3512.2	3570.5	3644.6	3718.6	3802.7	3905.7
3343.6	12.5°	3394.1	3444.6	3486.0	3527.7	3566.2	3604.9	3665.3	3725.9	3804.1	3912.4
3538.2	15°	3582.0	3625.9	3636.7	3647.5	3642.2	3637.0	3665.8	3694.8	3757.5	3877.4
3745.1	17.5°	3780.4	3815.8	3782.1	3748.3	3684.8	3621.2	3610.8	3600.1	3638.7	3779.8
3874.1	20°	3890.5	3906.9	3836.2	3765.5	3655.1	3544.7	3495.2	3445.7	3455.9	3620.1
3872.6	22.5°	3862.9	3853.0	3761.0	3669.0	3542.8	3416.9	3343.6	3270.3	3250.4	3437.3
3744.4	25°	3710.7	3676.9	3586.4	3495.9	3382.6	3269.3	3184.8	3100.3	3046.4	3238.0
3521.4	27.5°	3483.7	3446.1	3373.5	3300.9	3208.0	3114.9	3033.3	2951.6	2886.1	3060.5
3286.8	30°	3256.2	3225.6	3165.3	3105.1	3027.9	2950.6	2885.6	2820.9	2769.5	2915.9
3090.1	32.5°	3056.0	3022.0	2964.2	2906.5	2844.7	2783.0	2744.7	2706.4	2683.5	2801.5
2909.4	35°	2868.6	2827.8	2770.5	2713.4	2666.5	2619.4	2608.8	2598.3	2607.7	2706.1
2744.0	37.5°	2693.6	2643.1	2586.0	2529.0	2495.4	2461.6	2473.2	2484.9	2519.6	2605.6
2583.0	40°	2524.8	2466.8	2411.7	2356.7	2332.3	2308.0	2334.4	2360.7	2413.9	2491.9
2428.5	42.5°	2365.8	2303.2	2250.9	2198.7	2178.7	2158.9	2193.9	2228.9	2295.9	2367.7
2292.2	45°	2227.3	2162.3	2112.7	2063.2	2046.3	2029.6	2063.6	2097.7	2162.5	2235.4
2180.0	47.5°	2115.9	2051.8	2003.4	1954.9	1939.3	1923.6	1952.1	1980.7	2036.5	2130.5
2082.4	50°	2025.0	1967.6	1922.0	1876.2	1851.6	1827.1	1852.3	1877.7	1942.5	2066.1
2015.4	52.5°	1961.7	1908.3	1866.4	1824.5	1787.7	1750.9	1775.8	1800.9	1891.5	2033.6
1969.5	55°	1922.7	1875.8	1830.6	1785.4	1733.2	1680.9	1720.4	1760.1	1896.6	2028.8
1931.6	57.5°	1885.1	1838.7	1785.7	1732.7	1676.4	1620.2	1677.9	1735.6	1901.7	2018.3
1877.7	60°	1830.4	1783.4	1722.5	1661.5	1612.3	1562.9	1637.8	1712.6	1885.7	1962.6
1804.1	62.5°	1753.8	1703.5	1632.4	1561.4	1530.1	1498.8	1592.2	1685.7	1846.3	1855.8
1702.8	65°	1654.7	1606.6	1530.4	1454.3	1442.4	1430.3	1529.8	1629.2	1751.6	1750.4
1586.9	67.5°	1541.5	1495.9	1425.5	1355.2	1359.0	1362.8	1445.6	1528.4	1597.1	1600.3
1458.7	70°	1419.4	1380.0	1318.2	1256.4	1269.6	1282.7	1341.5	1400.4	1423.0	1423.0
1307.1	72.5°	1271.6	1236.0	1187.5	1138.8	1157.9	1177.2	1217.5	1257.9	1257.6	1243.3
1133.7	75°	1101.5	1069.3	1033.2	997.0	1015.6	1033.9	1065.1	1096.1	1101.7	1035.8
961.1	77.5°	933.4	905.7	876.4	846.9	865.6	884.3	909.2	934.1	937.0	828.4
771.6	80°	748.3	725.0	700.6	676.2	691.9	707.5	728.5	749.3	749.8	620.1
488.2	82.5°	496.3	504.5	506.5	508.6	519.7	530.7	540.9	551.1	545.0	434.3
249.9	85°	272.5	295.1	305.7	316.2	328.6	341.0	351.9	362.9	354.8	272.5
111.5	87.5°	128.8	146.0	146.5	146.9	149.2	151.6	155.9	160.3	150.1	115.9
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):

325°		330°	335°	340°	345°	350°	355°	360°
3797.6	0°	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6
3855.6	2.5°	3887.6	3921.1	3954.7	3987.9	4021.3	4052.6	4083.9
3911.2	5°	3976.1	4045.5	4115.0	4183.9	4253.0	4322.2	4391.4
3965.0	7.5°	4055.5	4158.2	4261.0	4366.5	4472.0	4586.1	4700.3
4013.0	10°	4119.9	4244.8	4369.5	4508.9	4648.3	4792.7	4937.1
4033.5	12.5°	4154.6	4301.8	4449.0	4606.9	4764.9	4923.4	5082.1
4017.6	15°	4157.8	4327.3	4496.8	4668.1	4839.5	5004.9	5170.3
3948.4	17.5°	4117.0	4313.7	4510.5	4697.4	4884.4	5052.1	5219.8
3829.1	20°	4038.0	4276.4	4514.8	4720.3	4925.8	5100.2	5274.5
3689.0	22.5°	3940.7	4230.7	4520.7	4751.2	4981.6	5159.8	5337.9
3532.6	25°	3827.4	4185.5	4543.7	4807.2	5070.5	5244.9	5419.5
3389.7	27.5°	3718.9	4155.3	4591.8	4894.6	5197.3	5363.8	5530.2
3270.2	30°	3624.5	4141.2	4657.6	5007.8	5358.0	5518.7	5679.6
3167.2	32.5°	3532.6	4123.7	4714.5	5126.0	5537.5	5696.7	5855.9
3065.9	35°	3425.7	4090.8	4756.1	5260.6	5765.1	5917.7	6070.1
2946.7	37.5°	3287.8	4034.4	4780.9	5411.5	6042.0	6236.4	6430.8
2804.5	40°	3117.0	3956.7	4796.5	5603.0	6409.2	6692.5	6975.8
2647.5	42.5°	2927.3	3876.6	4826.1	5853.5	6880.8	7289.7	7698.6
2480.8	45°	2726.2	3802.1	4878.1	6183.1	7488.0	8039.6	8591.2
2348.9	47.5°	2567.4	3740.6	4913.8	6534.3	8154.7	8931.2	9707.4
2261.3	50°	2456.6	3673.6	4890.5	6860.1	8829.7	10000.2	11170.5
2203.6	52.5°	2373.8	3560.3	4747.0	7071.7	9396.3	11123.1	12850.0
2161.8	55°	2294.9	3372.6	4450.4	7025.1	9599.6	12118.7	14638.0
2112.3	57.5°	2206.3	3108.0	4009.6	6696.9	9384.4	12824.3	16264.3
2036.5	60°	2110.4	2764.4	3418.4	6086.2	8754.0	13000.6	17247.2
1904.8	62.5°	1953.9	2353.2	2752.4	5260.4	7768.3	12258.2	16748.1
1773.6	65°	1796.8	1983.2	2169.5	4417.8	6666.2	11207.7	15749.2
1587.5	67.5°	1574.6	1627.6	1680.5	3592.4	5504.3	9957.5	14410.7
1363.1	70°	1303.1	1288.1	1272.9	2828.5	4384.1	8593.4	12802.6
1158.4	72.5°	1073.3	1027.5	981.9	2162.4	3342.9	7114.6	10886.3
940.5	75°	845.2	803.8	762.4	1569.5	2376.5	5419.3	8462.2
735.9	77.5°	643.4	615.1	587.0	1063.5	1540.0	3793.1	6046.1
541.8	80°	463.4	451.7	440.1	685.2	930.4	2443.8	3957.1
376.6	82.5°	318.8	316.5	314.5	421.4	528.7	1414.4	2300.3
230.2	85°	188.0	189.2	190.2	225.3	260.6	636.2	1012.1
98.5	87.5°	81.3	82.3	83.4	93.4	103.5	208.4	313.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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