

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: P948935

Luminaire Tested: **GALN-SB3D-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948935
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-SB3D-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27336 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

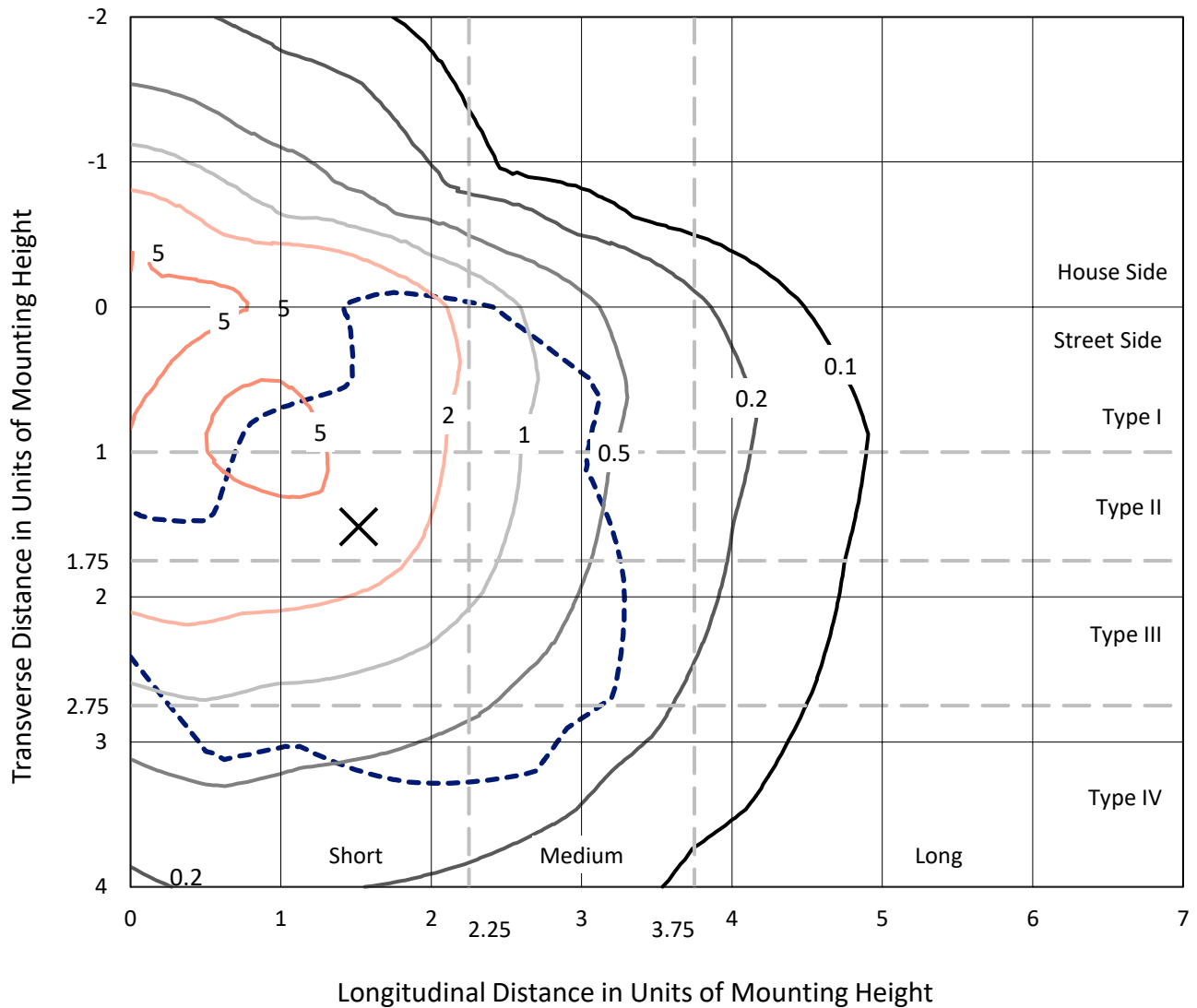
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

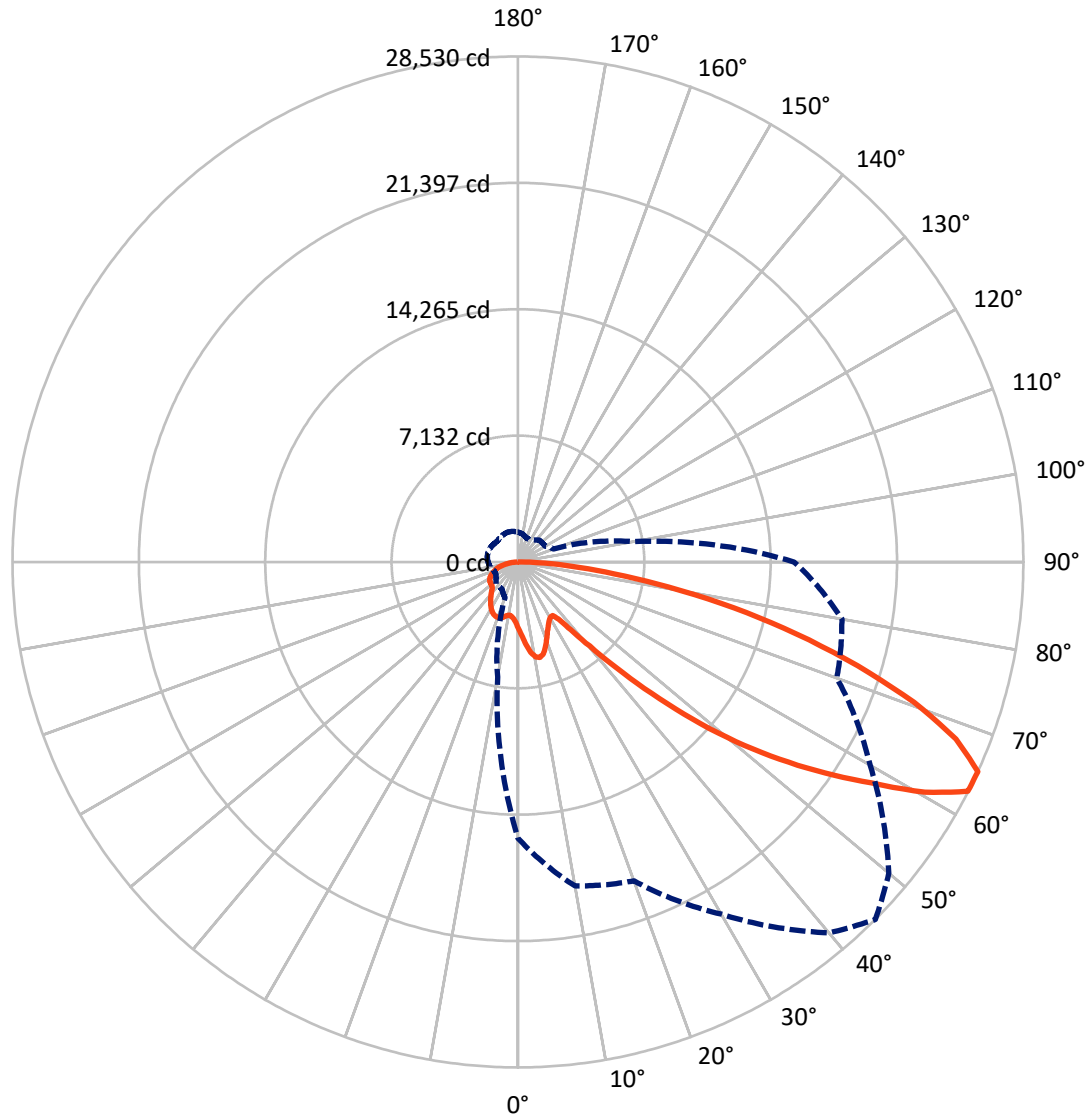
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	6947.4	0.0	6947.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	20388.6	0.0	20388.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	27336.0	0.0	27336.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.9	1.4
10°-20°	1170.6	4.3
20°-30°	1808.1	6.6
30°-40°	2291.3	8.4
40°-50°	3455.9	12.6
50°-60°	5583.5	20.4
60°-70°	6960.7	25.5
70°-80°	4564.5	16.7
80°-90°	1128.5	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°	27336.0	100.0
0°-180°	27336.0	100.0



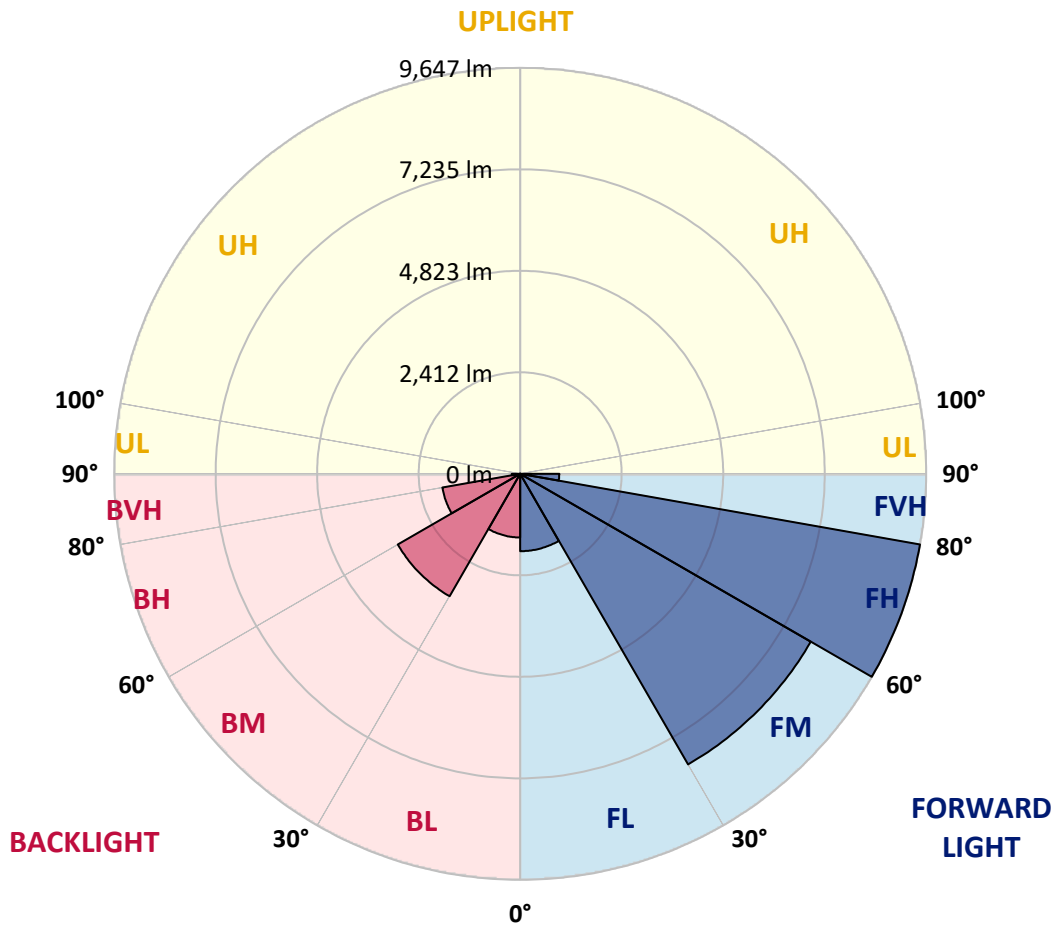
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1838.7	6.7			
FM (30°-60°)	7973.3	29.2			
FH (60°-80°)	9647.0	35.3			G4/12000
FVH (80°-90°)	929.6	3.4			G5
BL (0°-30°)	1512.9	5.5	B3/2500		
BM (30°-60°)	3357.4	12.3	B3/5000		
BH (60°-80°)	1878.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	198.9	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°	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9
2.5°	4042.4	4057.7	4073.1	4094.9	4116.7	4129.6	4142.6	4149.1	4155.6	4152.7
5°	4346.7	4400.2	4453.9	4507.0	4560.2	4589.0	4617.9	4635.3	4652.9	4666.2
7.5°	4652.5	4739.6	4826.6	4904.9	4983.3	5030.4	5077.6	5103.1	5128.5	5140.8
10°	4886.9	4989.9	5092.9	5184.8	5276.6	5332.3	5387.7	5412.5	5437.2	5446.6
12.5°	5030.4	5142.1	5253.6	5336.6	5419.4	5459.8	5500.2	5513.8	5527.3	5528.8
15°	5117.7	5214.0	5310.3	5362.3	5414.5	5416.0	5417.4	5403.0	5388.6	5371.6
17.5°	5166.7	5231.8	5296.8	5297.8	5298.7	5240.3	5181.9	5128.4	5074.7	5036.9
20°	5220.8	5243.5	5266.3	5197.7	5129.2	5000.3	4871.3	4777.4	4683.5	4625.8
22.5°	5283.6	5253.9	5224.1	5082.2	4940.3	4750.6	4560.9	4443.5	4326.1	4262.3
25°	5364.3	5270.6	5176.8	4961.3	4745.8	4515.5	4285.1	4161.7	4038.5	3978.2
27.5°	5474.0	5306.4	5138.6	4853.2	4567.8	4312.5	4057.2	3935.8	3814.5	3757.5
30°	5621.8	5371.8	5122.0	4770.6	4419.3	4153.3	3887.3	3774.7	3662.0	3608.9
32.5°	5796.3	5454.1	5111.9	4714.4	4316.9	4066.9	3816.9	3728.5	3639.9	3601.7
35°	6008.4	5589.5	5170.8	4756.5	4342.4	4168.7	3995.2	3974.6	3954.0	3950.8
37.5°	6365.4	5872.7	5379.9	5003.5	4627.0	4615.7	4604.5	4698.8	4793.1	4842.2
40°	6904.8	6369.0	5833.1	5553.2	5273.2	5470.8	5668.4	5897.7	6127.1	6241.3
42.5°	7620.3	7088.6	6556.9	6395.7	6234.4	6665.4	7096.4	7513.5	7930.7	8175.6
45°	8503.8	8026.2	7548.5	7477.3	7406.1	8096.6	8787.2	9472.6	10158.2	10574.3
47.5°	9608.7	9144.1	8679.3	8664.9	8650.5	9646.6	10642.4	11645.9	12649.3	13238.5
50°	11056.8	10482.9	9909.1	9911.6	9914.0	11197.8	12481.5	13806.1	15130.7	15931.5
52.5°	12719.2	12024.3	11329.5	11259.2	11188.8	12722.3	14255.7	15894.6	17533.3	18493.2
55°	14489.1	13802.5	13115.9	12842.0	12568.1	14274.7	15981.2	17935.0	19888.7	21030.4
57.5°	16098.8	15724.9	15350.9	14801.5	14252.2	15975.5	17698.7	19911.7	22124.5	23540.2
60°	17071.7	17652.4	18233.3	17551.0	16868.8	18499.6	20130.4	22499.7	24869.0	26399.1
62.5°	16577.7	18164.5	19751.3	19674.4	19597.4	21091.3	22585.3	24839.6	27093.6	28507.9
65°	15588.9	17078.2	18567.5	18862.2	19156.7	21055.2	22953.9	25139.7	27325.4	28529.5
67.5°	14264.0	15680.5	17097.0	17235.1	17373.2	19351.3	21329.3	23524.5	25719.7	26663.1
70°	12672.3	14213.0	15753.8	15815.5	15877.4	17646.4	19415.2	21304.3	23193.3	23717.6
72.5°	10775.6	12543.5	14311.6	14356.1	14400.4	15784.4	17168.4	18583.2	19997.9	20051.0
75°	8376.1	10206.0	12035.8	12200.1	12364.4	13441.2	14517.9	15513.9	16509.9	16243.0
77.5°	5984.6	7692.7	9400.9	9636.1	9871.2	10689.7	11508.3	12214.7	12921.2	12462.5
80°	3916.9	5354.0	6790.9	7083.1	7375.4	7993.6	8611.5	8982.5	9353.3	8615.5
82.5°	2276.9	3259.3	4241.9	4568.3	4894.8	5320.4	5745.9	5900.6	6055.3	5475.4
85°	1001.8	1523.2	2044.6	2322.3	2600.0	2949.6	3299.1	3386.9	3474.8	3010.3
87.5°	310.1	485.4	660.6	815.5	970.5	1145.3	1320.1	1327.6	1335.0	1120.8
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°
3758.9	0°	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9
4155.6	2.5°	4149.1	4142.6	4129.6	4116.7	4094.9	4073.1	4057.7	4042.4	4011.4	3980.3
4652.9	5°	4635.3	4617.9	4589.0	4560.2	4507.0	4453.9	4400.2	4346.7	4278.2	4209.7
5128.5	7.5°	5103.1	5077.6	5030.4	4983.3	4904.9	4826.6	4739.6	4652.5	4539.4	4426.5
5437.2	10°	5412.5	5387.7	5332.3	5276.6	5184.8	5092.9	4989.9	4886.9	4744.0	4601.0
5527.3	12.5°	5513.8	5500.2	5459.8	5419.4	5336.6	5253.6	5142.1	5030.4	4873.3	4716.4
5388.6	15°	5403.0	5417.4	5416.0	5414.5	5362.3	5310.3	5214.0	5117.7	4954.0	4790.3
5074.7	17.5°	5128.4	5181.9	5240.3	5298.7	5297.8	5296.8	5231.8	5166.7	5000.7	4834.7
4683.5	20°	4777.4	4871.3	5000.3	5129.2	5197.7	5266.3	5243.5	5220.8	5048.3	4875.7
4326.1	22.5°	4443.5	4560.9	4750.6	4940.3	5082.2	5224.1	5253.9	5283.6	5107.3	4930.9
4038.5	25°	4161.7	4285.1	4515.5	4745.8	4961.3	5176.8	5270.6	5364.3	5191.5	5018.9
3814.5	27.5°	3935.8	4057.2	4312.5	4567.8	4853.2	5138.6	5306.4	5474.0	5309.2	5144.4
3662.0	30°	3774.7	3887.3	4153.3	4419.3	4770.6	5122.0	5371.8	5621.8	5462.6	5303.5
3639.9	32.5°	3728.5	3816.9	4066.9	4316.9	4714.4	5111.9	5454.1	5796.3	5638.7	5481.2
3954.0	35°	3974.6	3995.2	4168.7	4342.4	4756.5	5170.8	5589.5	6008.4	5857.5	5706.5
4793.1	37.5°	4698.8	4604.5	4615.7	4627.0	5003.5	5379.9	5872.7	6365.4	6173.0	5980.5
6127.1	40°	5897.7	5668.4	5470.8	5273.2	5553.2	5833.1	6369.0	6904.8	6624.4	6344.0
7930.7	42.5°	7513.5	7096.4	6665.4	6234.4	6395.7	6556.9	7088.6	7620.3	7215.5	6810.8
10158.2	45°	9472.6	8787.2	8096.6	7406.1	7477.3	7548.5	8026.2	8503.8	7957.8	7411.9
12649.3	47.5°	11645.9	10642.4	9646.6	8650.5	8664.9	8679.3	9144.1	9608.7	8840.3	8071.8
15130.7	50°	13806.1	12481.5	11197.8	9914.0	9911.6	9909.1	10482.9	11056.8	9898.4	8739.9
17533.3	52.5°	15894.6	14255.7	12722.3	11188.8	11259.2	11329.5	12024.3	12719.2	11010.0	9300.7
19888.7	55°	17935.0	15981.2	14274.7	12568.1	12842.0	13115.9	13802.5	14489.1	11995.4	9501.9
22124.5	57.5°	19911.7	17698.7	15975.5	14252.2	14801.5	15350.9	15724.9	16098.8	12693.8	9288.9
24869.0	60°	22499.7	20130.4	18499.6	16868.8	17551.0	18233.3	17652.4	17071.7	12868.4	8664.9
27093.6	62.5°	24839.6	22585.3	21091.3	19597.4	19674.4	19751.3	18164.5	16577.7	12133.5	7689.2
27325.4	65°	25139.7	22953.9	21055.2	19156.7	18862.2	18567.5	17078.2	15588.9	11093.6	6598.3
25719.7	67.5°	23524.5	21329.3	19351.3	17373.2	17235.1	17097.0	15680.5	14264.0	9856.2	5448.3
23193.3	70°	21304.3	19415.2	17646.4	15877.4	15815.5	15753.8	14213.0	12672.3	8505.9	4339.5
19997.9	72.5°	18583.2	17168.4	15784.4	14400.4	14356.1	14311.6	12543.5	10775.6	7042.2	3308.9
16509.9	75°	15513.9	14517.9	13441.2	12364.4	12200.1	12035.8	10206.0	8376.1	5364.2	2352.3
12921.2	77.5°	12214.7	11508.3	10689.7	9871.2	9636.1	9400.9	7692.7	5984.6	3754.5	1524.3
9353.3	80°	8982.5	8611.5	7993.6	7375.4	7083.1	6790.9	5354.0	3916.9	2418.9	921.0
6055.3	82.5°	5900.6	5745.9	5320.4	4894.8	4568.3	4241.9	3259.3	2276.9	1400.0	523.3
3474.8	85°	3386.9	3299.1	2949.6	2600.0	2322.3	2044.6	1523.2	1001.8	629.8	257.9
1335.0	87.5°	1327.6	1320.1	1145.3	970.5	815.5	660.6	485.4	310.1	206.3	102.4
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3758.9	0°	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9
3947.3	2.5°	3914.4	3881.3	3848.1	3816.3	3784.6	3753.9	3719.7	3692.0	3664.5	3639.5
4141.3	5°	4073.1	4004.3	3935.6	3871.4	3807.3	3746.7	3686.8	3634.6	3582.2	3538.4
4322.1	7.5°	4217.6	4115.9	4014.2	3924.7	3835.1	3752.4	3675.0	3605.5	3536.1	3478.4
4463.0	10°	4325.1	4201.6	4078.0	3972.1	3866.0	3764.0	3680.8	3607.5	3534.2	3476.5
4560.1	12.5°	4403.7	4258.0	4112.3	3992.5	3872.6	3765.4	3688.0	3628.0	3568.2	3529.9
4620.6	15°	4451.0	4283.3	4115.5	3976.7	3838.0	3719.3	3657.2	3628.5	3600.0	3605.2
4649.6	17.5°	4464.6	4269.8	4075.1	3908.2	3741.3	3601.7	3563.5	3574.0	3584.4	3647.3
4672.3	20°	4468.9	4232.9	3996.9	3790.1	3583.2	3420.7	3410.6	3459.6	3508.7	3617.9
4702.9	22.5°	4474.7	4187.6	3900.6	3651.5	3402.4	3217.3	3237.1	3309.6	3382.2	3506.8
4758.2	25°	4497.5	4142.9	3788.5	3496.7	3205.0	3015.4	3068.7	3152.4	3236.1	3348.1
4844.8	27.5°	4545.1	4113.0	3681.0	3355.2	3029.4	2856.7	2921.6	3002.4	3083.2	3175.3
4956.9	30°	4610.2	4099.1	3587.6	3236.9	2886.3	2741.3	2792.2	2856.3	2920.6	2997.1
5073.8	32.5°	4666.5	4081.7	3496.7	3134.9	2773.0	2656.2	2678.9	2716.8	2754.7	2815.7
5207.1	35°	4707.8	4049.1	3390.8	3034.7	2678.6	2581.2	2571.8	2582.2	2592.7	2639.3
5356.4	37.5°	4732.3	3993.3	3254.4	2916.7	2579.0	2493.9	2459.6	2448.1	2436.5	2470.0
5545.9	40°	4747.7	3916.4	3085.3	2775.9	2466.5	2389.4	2336.7	2310.6	2284.5	2308.6
5793.9	42.5°	4777.0	3837.1	2897.5	2620.6	2343.6	2272.5	2206.2	2171.6	2136.9	2156.6
6120.2	45°	4828.5	3763.4	2698.5	2455.6	2212.7	2140.5	2076.4	2042.6	2009.0	2025.4
6467.8	47.5°	4863.8	3702.5	2541.2	2325.0	2108.8	2015.8	1960.5	1932.3	1904.0	1919.6
6790.3	50°	4840.7	3636.2	2431.6	2238.3	2045.1	1922.7	1858.6	1833.5	1808.5	1832.7
6999.8	52.5°	4698.7	3524.1	2349.7	2181.2	2012.9	1872.3	1782.5	1757.7	1733.1	1769.6
6953.6	55°	4405.1	3338.3	2271.5	2139.8	2008.1	1877.3	1742.1	1702.9	1663.8	1715.6
6628.8	57.5°	3968.8	3076.4	2183.8	2090.8	1997.7	1882.4	1717.9	1660.8	1603.7	1659.4
6024.2	60°	3383.6	2736.3	2088.9	2015.8	1942.6	1866.5	1695.1	1621.1	1547.0	1595.9
5206.8	62.5°	2724.4	2329.2	1934.0	1885.4	1836.9	1827.5	1668.6	1576.0	1483.5	1514.5
4372.8	65°	2147.5	1963.0	1778.5	1755.6	1732.6	1733.8	1612.6	1514.2	1415.7	1427.7
3555.8	67.5°	1663.4	1611.0	1558.5	1571.4	1584.1	1580.9	1512.8	1430.9	1348.9	1345.2
2799.7	70°	1260.0	1275.0	1289.8	1349.2	1408.5	1408.5	1386.2	1327.9	1269.6	1256.6
2140.4	72.5°	971.9	1017.0	1062.3	1146.6	1230.7	1244.8	1245.1	1205.1	1165.2	1146.1
1553.5	75°	754.7	795.6	836.6	930.9	1025.3	1090.5	1085.0	1054.3	1023.4	1005.2
1052.7	77.5°	581.0	608.8	636.8	728.4	820.0	927.5	924.6	899.9	875.3	856.8
678.2	80°	435.6	447.1	458.7	536.3	613.7	742.1	741.7	721.1	700.3	684.9
417.1	82.5°	311.3	313.3	315.6	372.7	429.8	539.5	545.5	535.4	525.3	514.4
223.0	85°	188.2	187.2	186.1	227.9	269.7	351.2	359.2	348.3	337.5	325.3
92.5	87.5°	82.5	81.5	80.5	97.5	114.7	148.6	158.7	154.3	150.0	147.7
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3758.9	0°	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9
3614.7	2.5°	3592.9	3571.1	3549.2	3527.4	3510.6	3493.5	3479.8	3466.1	3455.5	3444.8
3494.7	5°	3456.0	3417.4	3382.3	3347.1	3320.2	3293.0	3274.1	3255.2	3241.8	3228.4
3420.7	7.5°	3372.1	3323.3	3280.3	3237.5	3205.3	3173.3	3150.8	3128.3	3112.9	3097.6
3418.8	10°	3366.5	3314.0	3265.6	3217.3	3178.9	3140.4	3115.3	3089.9	3075.4	3060.8
3491.8	12.5°	3450.5	3409.6	3359.5	3309.6	3260.6	3211.5	3179.1	3146.6	3130.3	3114.2
3610.4	15°	3599.7	3589.0	3545.6	3502.2	3432.4	3362.6	3313.2	3263.9	3241.3	3218.8
3710.2	17.5°	3743.6	3777.0	3741.9	3707.0	3614.5	3522.1	3449.4	3376.7	3343.2	3309.6
3727.2	20°	3797.2	3867.1	3851.0	3834.7	3728.9	3623.3	3534.2	3445.2	3402.4	3359.4
3631.7	22.5°	3722.7	3813.7	3823.6	3833.2	3732.3	3631.3	3539.5	3447.7	3402.5	3357.2
3460.4	25°	3549.9	3639.5	3673.0	3706.3	3623.5	3540.8	3459.2	3377.8	3338.6	3299.5
3267.4	27.5°	3339.2	3411.0	3448.2	3485.6	3426.6	3367.8	3304.4	3241.1	3214.9	3188.5
3073.5	30°	3133.1	3192.8	3223.1	3253.4	3208.5	3163.5	3118.2	3072.6	3059.2	3045.7
2876.9	32.5°	2934.0	2991.3	3024.9	3058.6	3017.4	2976.0	2939.8	2903.6	2894.8	2886.0
2685.8	35°	2742.3	2799.0	2839.4	2879.8	2850.4	2821.1	2787.6	2754.3	2740.9	2727.6
2503.3	37.5°	2559.7	2616.3	2666.2	2716.1	2702.5	2689.0	2658.2	2627.4	2603.0	2578.8
2332.7	40°	2387.2	2441.7	2499.1	2556.7	2560.0	2563.2	2537.1	2511.0	2475.5	2440.3
2176.3	42.5°	2228.0	2279.7	2341.8	2403.8	2420.4	2437.0	2414.9	2393.0	2349.0	2305.0
2042.2	45°	2091.2	2140.3	2204.6	2268.9	2292.7	2316.5	2296.6	2276.9	2226.5	2176.3
1935.0	47.5°	1983.0	2030.9	2094.4	2157.9	2185.3	2212.7	2198.8	2185.0	2140.3	2095.5
1857.1	50°	1902.4	1947.5	2004.4	2061.2	2096.4	2131.6	2130.7	2130.2	2094.4	2058.6
1805.9	52.5°	1847.4	1888.8	1941.8	1994.9	2036.5	2078.2	2085.7	2093.2	2064.1	2035.0
1767.2	55°	1812.0	1856.7	1903.1	1949.4	1993.6	2037.8	2048.2	2058.6	2033.2	2007.8
1715.0	57.5°	1767.5	1820.0	1865.9	1911.9	1956.5	2000.9	2011.4	2022.0	1996.3	1970.6
1644.6	60°	1704.9	1765.2	1811.8	1858.6	1903.3	1948.0	1959.5	1971.1	1946.0	1921.0
1545.5	62.5°	1615.8	1686.2	1735.9	1785.7	1826.7	1867.6	1878.7	1889.9	1867.2	1844.6
1439.5	65°	1514.8	1590.3	1637.9	1685.5	1721.5	1757.6	1769.0	1780.2	1758.4	1736.7
1341.4	67.5°	1411.0	1480.6	1525.8	1570.8	1601.9	1633.1	1644.2	1655.2	1635.1	1615.2
1243.7	70°	1304.8	1366.0	1404.9	1443.9	1472.0	1500.1	1510.8	1521.5	1505.2	1488.9
1127.2	72.5°	1175.4	1223.5	1258.7	1293.8	1321.4	1348.9	1361.6	1374.3	1360.8	1347.2
986.9	75°	1022.7	1058.4	1090.3	1122.2	1147.3	1172.4	1185.7	1198.9	1192.3	1185.7
838.3	77.5°	867.5	896.5	923.9	951.3	977.7	1003.9	1016.3	1028.7	1019.5	1010.0
669.3	80°	693.5	717.6	740.7	763.8	783.8	803.7	820.2	836.6	832.6	828.7
503.4	82.5°	501.4	499.4	491.3	483.2	525.9	568.6	596.6	624.6	622.8	621.0
313.0	85°	302.6	292.1	269.7	247.4	287.3	327.4	362.0	396.7	393.8	390.9
145.4	87.5°	145.0	144.5	127.5	110.3	127.1	144.0	157.9	171.9	168.5	164.7
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3758.9	0°	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9
3435.0	2.5°	3425.0	3412.8	3425.0	3435.0	3444.8	3455.5	3466.1	3479.8	3493.5	3510.6
3218.2	5°	3207.9	3197.8	3207.9	3218.2	3228.4	3241.8	3255.2	3274.1	3293.0	3320.2
3088.4	7.5°	3079.3	3072.3	3079.3	3088.4	3097.6	3112.9	3128.3	3150.8	3173.3	3205.3
3053.0	10°	3045.2	3042.1	3045.2	3053.0	3060.8	3075.4	3089.9	3115.3	3140.4	3178.9
3107.5	12.5°	3100.9	3099.8	3100.9	3107.5	3114.2	3130.3	3146.6	3179.1	3211.5	3260.6
3210.1	15°	3201.4	3200.7	3201.4	3210.1	3218.8	3241.3	3263.9	3313.2	3362.6	3432.4
3298.7	17.5°	3287.6	3285.8	3287.6	3298.7	3309.6	3343.2	3376.7	3449.4	3522.1	3614.5
3345.7	20°	3332.0	3327.7	3332.0	3345.7	3359.4	3402.4	3445.2	3534.2	3623.3	3728.9
3342.1	22.5°	3326.9	3320.4	3326.9	3342.1	3357.2	3402.5	3447.7	3539.5	3631.3	3732.3
3285.2	25°	3271.1	3262.7	3271.1	3285.2	3299.5	3338.6	3377.8	3459.2	3540.8	3623.5
3182.0	27.5°	3175.5	3173.3	3175.5	3182.0	3188.5	3214.9	3241.1	3304.4	3367.8	3426.6
3045.7	30°	3045.7	3047.8	3045.7	3045.7	3045.7	3059.2	3072.6	3118.2	3163.5	3208.5
2887.1	32.5°	2888.4	2890.6	2888.4	2887.1	2886.0	2894.8	2903.6	2939.8	2976.0	3017.4
2724.7	35°	2721.8	2720.4	2721.8	2724.7	2727.6	2740.9	2754.3	2787.6	2821.1	2850.4
2565.9	37.5°	2553.1	2545.9	2553.1	2565.9	2578.8	2603.0	2627.4	2658.2	2689.0	2702.5
2416.3	40°	2392.7	2378.5	2392.7	2416.3	2440.3	2475.5	2511.0	2537.1	2563.2	2560.0
2270.2	42.5°	2235.5	2212.7	2235.5	2270.2	2305.0	2349.0	2393.0	2414.9	2437.0	2420.4
2135.5	45°	2094.7	2068.4	2094.7	2135.5	2176.3	2226.5	2276.9	2296.6	2316.5	2292.7
2057.8	47.5°	2020.1	1994.9	2020.1	2057.8	2095.5	2140.3	2185.0	2198.8	2212.7	2185.3
2023.7	50°	1988.8	1964.6	1988.8	2023.7	2058.6	2094.4	2130.2	2130.7	2131.6	2096.4
2003.7	52.5°	1972.5	1950.1	1972.5	2003.7	2035.0	2064.1	2093.2	2085.7	2078.2	2036.5
1980.4	55°	1953.0	1932.8	1953.0	1980.4	2007.8	2033.2	2058.6	2048.2	2037.8	1993.6
1943.5	57.5°	1916.2	1895.3	1916.2	1943.5	1970.6	1996.3	2022.0	2011.4	2000.9	1956.5
1893.0	60°	1865.0	1843.4	1865.0	1893.0	1921.0	1946.0	1971.1	1959.5	1948.0	1903.3
1815.1	62.5°	1785.7	1759.7	1785.7	1815.1	1844.6	1867.2	1889.9	1878.7	1867.6	1826.7
1708.1	65°	1679.7	1657.3	1679.7	1708.1	1736.7	1758.4	1780.2	1769.0	1757.6	1721.5
1588.7	67.5°	1562.1	1541.9	1562.1	1588.7	1615.2	1635.1	1655.2	1644.2	1633.1	1601.9
1463.5	70°	1438.1	1415.0	1438.1	1463.5	1488.9	1505.2	1521.5	1510.8	1500.1	1472.0
1323.0	72.5°	1298.9	1276.5	1298.9	1323.0	1347.2	1360.8	1374.3	1361.6	1348.9	1321.4
1165.3	75°	1145.0	1123.6	1145.0	1165.3	1185.7	1192.3	1198.9	1185.7	1172.4	1147.3
989.5	77.5°	969.0	952.0	969.0	989.5	1010.0	1019.5	1028.7	1016.3	1003.9	977.7
801.1	80°	773.4	741.4	773.4	801.1	828.7	832.6	836.6	820.2	803.7	783.8
597.7	82.5°	574.4	553.9	574.4	597.7	621.0	622.8	624.6	596.6	568.6	525.9
372.7	85°	354.5	336.1	354.5	372.7	390.9	393.8	396.7	362.0	327.4	287.3
155.5	87.5°	146.0	137.0	146.0	155.5	164.7	168.5	171.9	157.9	144.0	127.1
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3758.9	0°	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9
3527.4	2.5°	3549.2	3571.1	3592.9	3614.7	3639.5	3664.5	3692.0	3719.7	3753.9	3784.6
3347.1	5°	3382.3	3417.4	3456.0	3494.7	3538.4	3582.2	3634.6	3686.8	3746.7	3807.3
3237.5	7.5°	3280.3	3323.3	3372.1	3420.7	3478.4	3536.1	3605.5	3675.0	3752.4	3835.1
3217.3	10°	3265.6	3314.0	3366.5	3418.8	3476.5	3534.2	3607.5	3680.8	3764.0	3866.0
3309.6	12.5°	3359.5	3409.6	3450.5	3491.8	3529.9	3568.2	3628.0	3688.0	3765.4	3872.6
3502.2	15°	3545.6	3589.0	3599.7	3610.4	3605.2	3600.0	3628.5	3657.2	3719.3	3838.0
3707.0	17.5°	3741.9	3777.0	3743.6	3710.2	3647.3	3584.4	3574.0	3563.5	3601.7	3741.3
3834.7	20°	3851.0	3867.1	3797.2	3727.2	3617.9	3508.7	3459.6	3410.6	3420.7	3583.2
3833.2	22.5°	3823.6	3813.7	3722.7	3631.7	3506.8	3382.2	3309.6	3237.1	3217.3	3402.4
3706.3	25°	3673.0	3639.5	3549.9	3460.4	3348.1	3236.1	3152.4	3068.7	3015.4	3205.0
3485.6	27.5°	3448.2	3411.0	3339.2	3267.4	3175.3	3083.2	3002.4	2921.6	2856.7	3029.4
3253.4	30°	3223.1	3192.8	3133.1	3073.5	2997.1	2920.6	2856.3	2792.2	2741.3	2886.3
3058.6	32.5°	3024.9	2991.3	2934.0	2876.9	2815.7	2754.7	2716.8	2678.9	2656.2	2773.0
2879.8	35°	2839.4	2799.0	2742.3	2685.8	2639.3	2592.7	2582.2	2571.8	2581.2	2678.6
2716.1	37.5°	2666.2	2616.3	2559.7	2503.3	2470.0	2436.5	2448.1	2459.6	2493.9	2579.0
2556.7	40°	2499.1	2441.7	2387.2	2332.7	2308.6	2284.5	2310.6	2336.7	2389.4	2466.5
2403.8	42.5°	2341.8	2279.7	2228.0	2176.3	2156.6	2136.9	2171.6	2206.2	2272.5	2343.6
2268.9	45°	2204.6	2140.3	2091.2	2042.2	2025.4	2009.0	2042.6	2076.4	2140.5	2212.7
2157.9	47.5°	2094.4	2030.9	1983.0	1935.0	1919.6	1904.0	1932.3	1960.5	2015.8	2108.8
2061.2	50°	2004.4	1947.5	1902.4	1857.1	1832.7	1808.5	1833.5	1858.6	1922.7	2045.1
1994.9	52.5°	1941.8	1888.8	1847.4	1805.9	1769.6	1733.1	1757.7	1782.5	1872.3	2012.9
1949.4	55°	1903.1	1856.7	1812.0	1767.2	1715.6	1663.8	1702.9	1742.1	1877.3	2008.1
1911.9	57.5°	1865.9	1820.0	1767.5	1715.0	1659.4	1603.7	1660.8	1717.9	1882.4	1997.7
1858.6	60°	1811.8	1765.2	1704.9	1644.6	1595.9	1547.0	1621.1	1695.1	1866.5	1942.6
1785.7	62.5°	1735.9	1686.2	1615.8	1545.5	1514.5	1483.5	1576.0	1668.6	1827.5	1836.9
1685.5	65°	1637.9	1590.3	1514.8	1439.5	1427.7	1415.7	1514.2	1612.6	1733.8	1732.6
1570.8	67.5°	1525.8	1480.6	1411.0	1341.4	1345.2	1348.9	1430.9	1512.8	1580.9	1584.1
1443.9	70°	1404.9	1366.0	1304.8	1243.7	1256.6	1269.6	1327.9	1386.2	1408.5	1408.5
1293.8	72.5°	1258.7	1223.5	1175.4	1127.2	1146.1	1165.2	1205.1	1245.1	1244.8	1230.7
1122.2	75°	1090.3	1058.4	1022.7	986.9	1005.2	1023.4	1054.3	1085.0	1090.5	1025.3
951.3	77.5°	923.9	896.5	867.5	838.3	856.8	875.3	899.9	924.6	927.5	820.0
763.8	80°	740.7	717.6	693.5	669.3	684.9	700.3	721.1	741.7	742.1	613.7
483.2	82.5°	491.3	499.4	501.4	503.4	514.4	525.3	535.4	545.5	539.5	429.8
247.4	85°	269.7	292.1	302.6	313.0	325.3	337.5	348.3	359.2	351.2	269.7
110.3	87.5°	127.5	144.5	145.0	145.4	147.7	150.0	154.3	158.7	148.6	114.7
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°
3758.9	0°	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9	3758.9
3816.3	2.5°	3848.1	3881.3	3914.4	3947.3	3980.3	4011.4	4042.4
3871.4	5°	3935.6	4004.3	4073.1	4141.3	4209.7	4278.2	4346.7
3924.7	7.5°	4014.2	4115.9	4217.6	4322.1	4426.5	4539.4	4652.5
3972.1	10°	4078.0	4201.6	4325.1	4463.0	4601.0	4744.0	4886.9
3992.5	12.5°	4112.3	4258.0	4403.7	4560.1	4716.4	4873.3	5030.4
3976.7	15°	4115.5	4283.3	4451.0	4620.6	4790.3	4954.0	5117.7
3908.2	17.5°	4075.1	4269.8	4464.6	4649.6	4834.7	5000.7	5166.7
3790.1	20°	3996.9	4232.9	4468.9	4672.3	4875.7	5048.3	5220.8
3651.5	22.5°	3900.6	4187.6	4474.7	4702.9	4930.9	5107.3	5283.6
3496.7	25°	3788.5	4142.9	4497.5	4758.2	5018.9	5191.5	5364.3
3355.2	27.5°	3681.0	4113.0	4545.1	4844.8	5144.4	5309.2	5474.0
3236.9	30°	3587.6	4099.1	4610.2	4956.9	5303.5	5462.6	5621.8
3134.9	32.5°	3496.7	4081.7	4666.5	5073.8	5481.2	5638.7	5796.3
3034.7	35°	3390.8	4049.1	4707.8	5207.1	5706.5	5857.5	6008.4
2916.7	37.5°	3254.4	3993.3	4732.3	5356.4	5980.5	6173.0	6365.4
2775.9	40°	3085.3	3916.4	4747.7	5545.9	6344.0	6624.4	6904.8
2620.6	42.5°	2897.5	3837.1	4777.0	5793.9	6810.8	7215.5	7620.3
2455.6	45°	2698.5	3763.4	4828.5	6120.2	7411.9	7957.8	8503.8
2325.0	47.5°	2541.2	3702.5	4863.8	6467.8	8071.8	8840.3	9608.7
2238.3	50°	2431.6	3636.2	4840.7	6790.3	8739.9	9898.4	11056.8
2181.2	52.5°	2349.7	3524.1	4698.7	6999.8	9300.7	11010.0	12719.2
2139.8	55°	2271.5	3338.3	4405.1	6953.6	9501.9	11995.4	14489.1
2090.8	57.5°	2183.8	3076.4	3968.8	6628.8	9288.9	12693.8	16098.8
2015.8	60°	2088.9	2736.3	3383.6	6024.2	8664.9	12868.4	17071.7
1885.4	62.5°	1934.0	2329.2	2724.4	5206.8	7689.2	12133.5	16577.7
1755.6	65°	1778.5	1963.0	2147.5	4372.8	6598.3	11093.6	15588.9
1571.4	67.5°	1558.5	1611.0	1663.4	3555.8	5448.3	9856.2	14264.0
1349.2	70°	1289.8	1275.0	1260.0	2799.7	4339.5	8505.9	12672.3
1146.6	72.5°	1062.3	1017.0	971.9	2140.4	3308.9	7042.2	10775.6
930.9	75°	836.6	795.6	754.7	1553.5	2352.3	5364.2	8376.1
728.4	77.5°	636.8	608.8	581.0	1052.7	1524.3	3754.5	5984.6
536.3	80°	458.7	447.1	435.6	678.2	921.0	2418.9	3916.9
372.7	82.5°	315.6	313.3	311.3	417.1	523.3	1400.0	2276.9
227.9	85°	186.1	187.2	188.2	223.0	257.9	629.8	1001.8
97.5	87.5°	80.5	81.5	82.5	92.5	102.4	206.3	310.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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