

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: P950363

Luminaire Tested: **GALN-SB4D-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950363
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-SB4D-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 36515 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

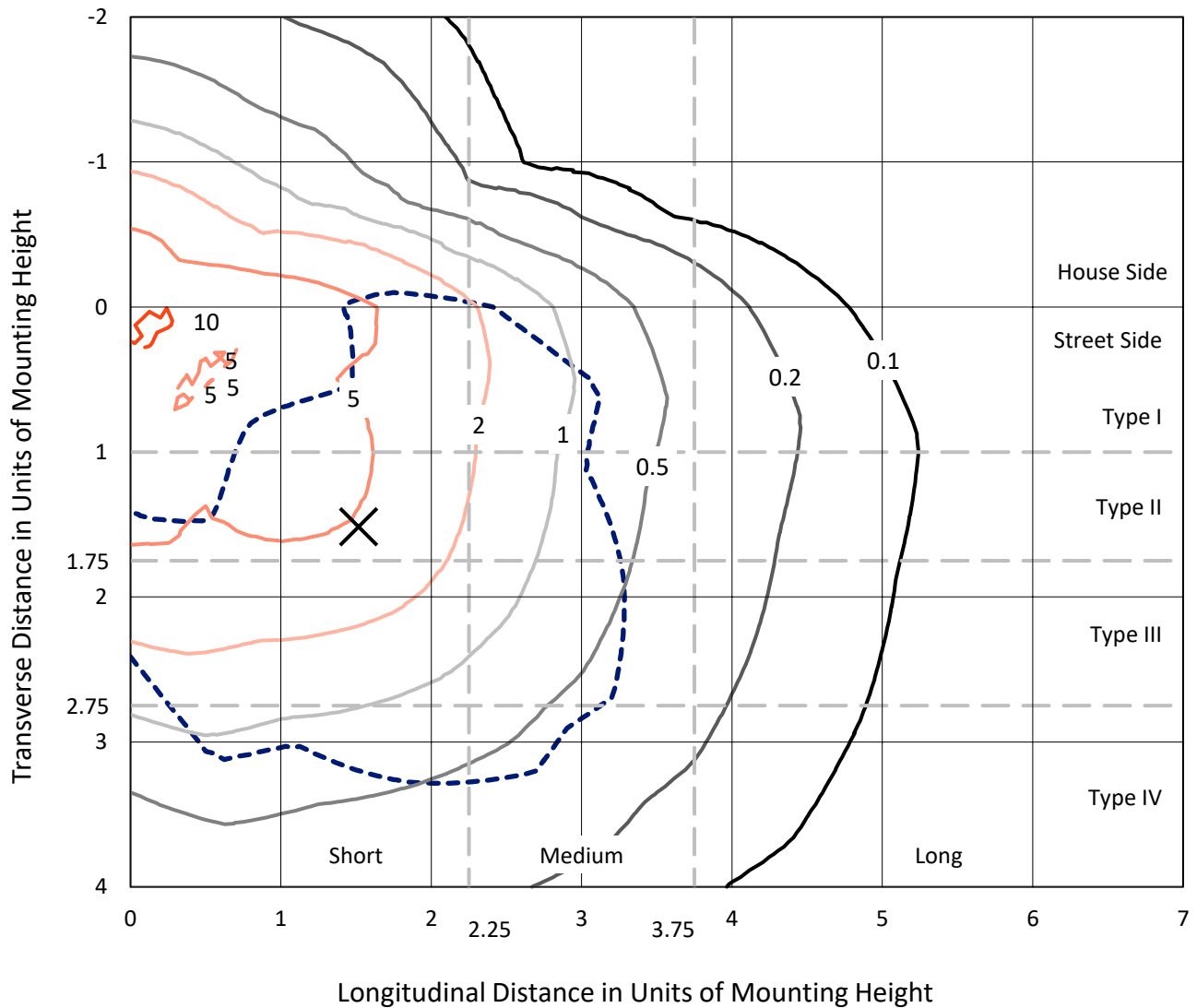
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

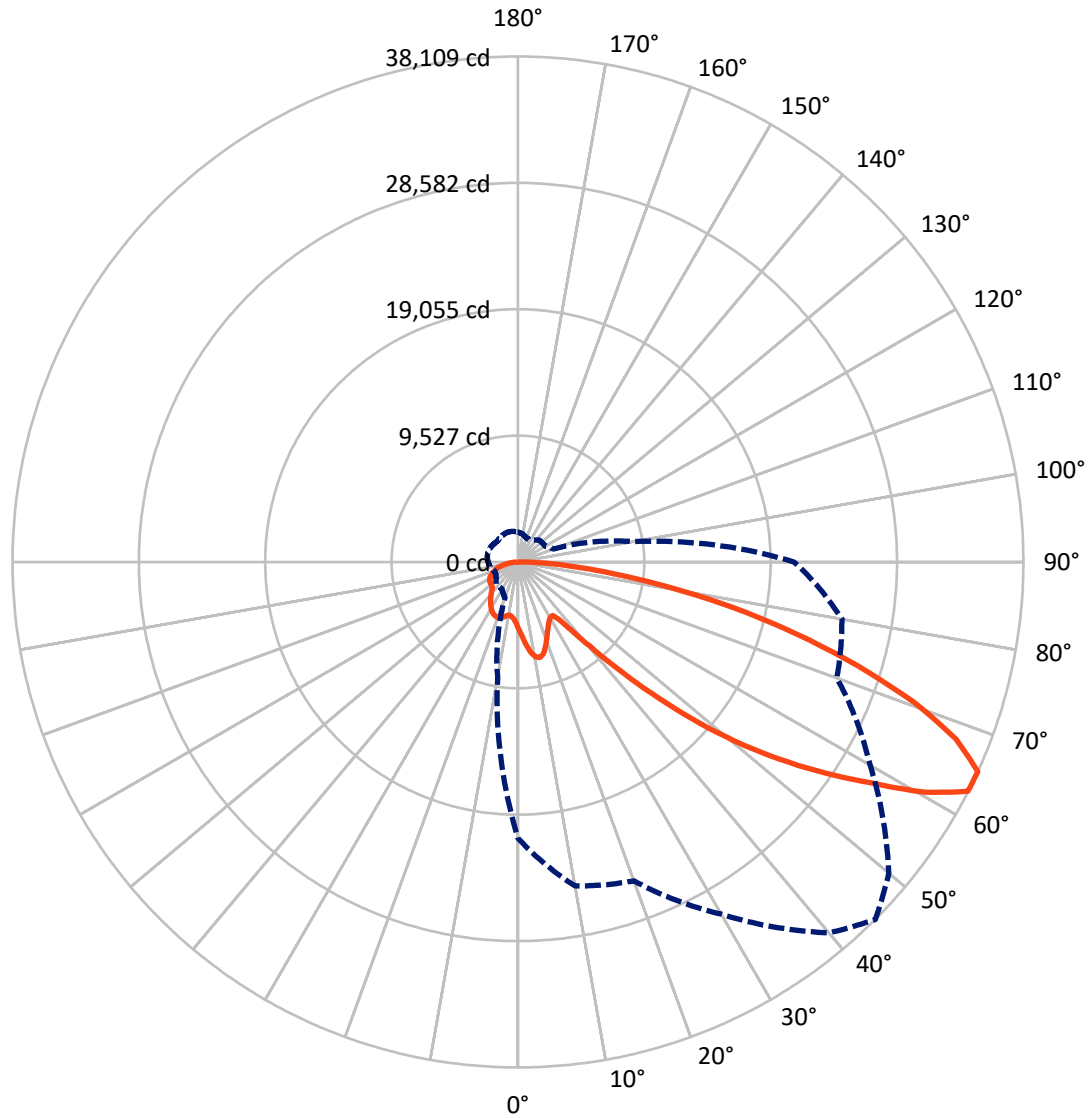
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9280.3	0.0	9280.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	27234.7	0.0	27234.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	36515.0	0.0	36515.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.1	1.4
10°-20°	1563.6	4.3
20°-30°	2415.2	6.6
30°-40°	3060.7	8.4
40°-50°	4616.3	12.6
50°-60°	7458.4	20.4
60°-70°	9298.0	25.5
70°-80°	6097.2	16.7
80°-90°	1507.4	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°	36515.0	100.0
0°-180°	36515.0	100.0



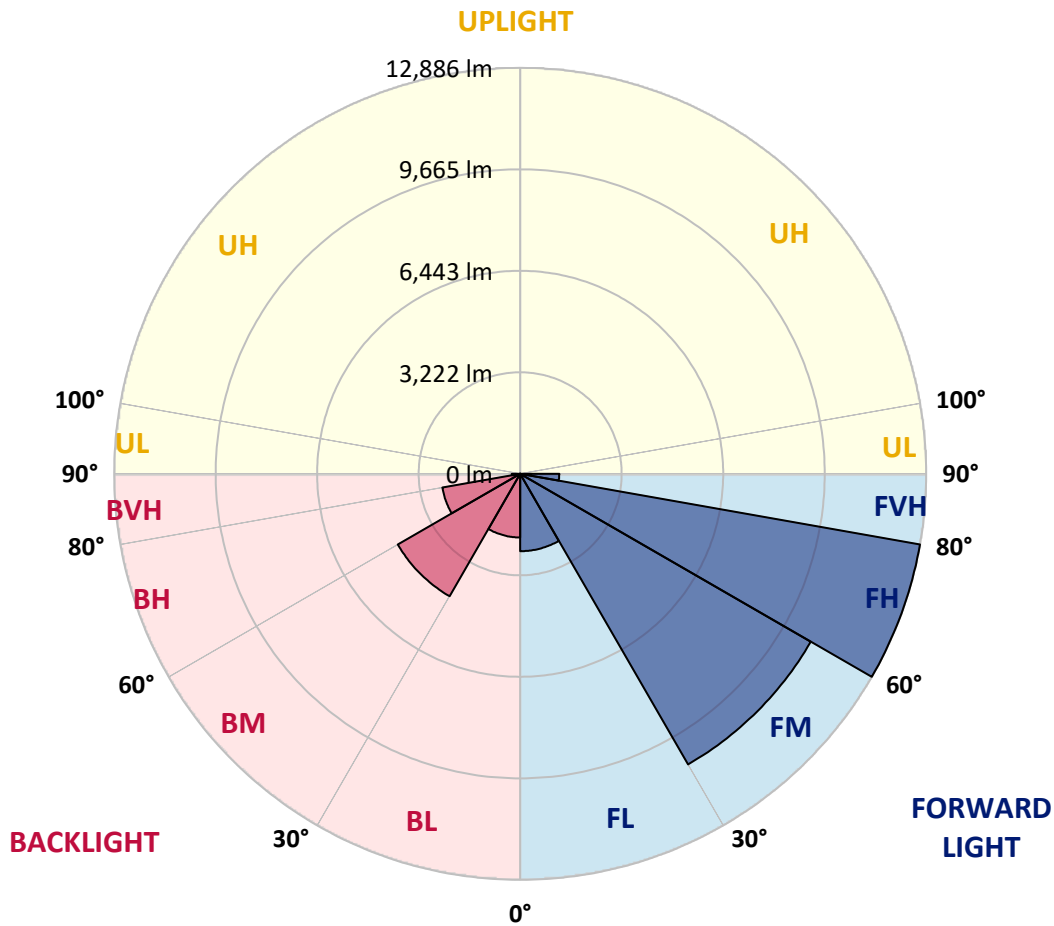
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2456.1	6.7			
FM (30°-60°)	10650.6	29.2			
FH (60°-80°)	12886.3	35.3			G5
FVH (80°-90°)	1241.7	3.4			G5
BL (0°-30°)	2020.9	5.5	B3/2500		
BM (30°-60°)	4484.8	12.3	B3/5000		
BH (60°-80°)	2509.0	6.9	B4/5000		G4/5000
BVH (80°-90°)	265.6	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1
2.5°	5399.7	5420.2	5440.8	5469.9	5499.0	5516.3	5533.6	5542.3	5551.0	5547.1
5°	5806.3	5877.8	5949.4	6020.3	6091.4	6130.0	6168.5	6191.8	6215.3	6233.1
7.5°	6214.8	6331.1	6447.3	6551.9	6656.6	6719.6	6782.6	6816.7	6850.6	6867.0
10°	6527.9	6665.4	6803.0	6925.7	7048.5	7122.8	7196.8	7230.0	7262.9	7275.4
12.5°	6719.6	6868.7	7017.6	7128.6	7239.2	7293.2	7347.1	7365.2	7383.3	7385.3
15°	6836.1	6964.8	7093.4	7162.9	7232.7	7234.6	7236.5	7217.2	7198.0	7175.2
17.5°	6901.6	6988.5	7075.4	7076.8	7077.9	6999.9	6921.9	6850.4	6778.7	6728.2
20°	6973.9	7004.1	7034.6	6943.1	6851.5	6679.3	6507.0	6381.6	6256.2	6179.1
22.5°	7057.7	7018.0	6978.3	6788.7	6599.1	6345.8	6092.4	5935.6	5778.7	5693.6
25°	7165.6	7040.4	6915.1	6627.3	6339.4	6031.7	5724.0	5559.1	5394.5	5314.0
27.5°	7312.0	7088.2	6864.1	6482.8	6101.7	5760.6	5419.6	5257.3	5095.3	5019.2
30°	7509.5	7175.6	6841.9	6372.6	5903.2	5547.9	5192.6	5042.1	4891.6	4820.7
32.5°	7742.7	7285.5	6828.4	6297.4	5766.4	5432.5	5098.6	4980.5	4862.2	4811.1
35°	8025.9	7466.4	6907.0	6353.7	5800.5	5568.5	5336.7	5309.2	5281.6	5277.4
37.5°	8502.8	7844.6	7186.4	6683.5	6180.6	6165.6	6150.6	6276.6	6402.6	6468.1
40°	9223.4	8507.6	7791.8	7417.8	7043.8	7307.8	7571.8	7878.1	8184.5	8337.1
42.5°	10179.1	9468.9	8758.6	8543.2	8327.8	8903.5	9479.3	10036.5	10593.7	10920.9
45°	11359.2	10721.2	10083.1	9988.1	9892.9	10815.3	11737.8	12653.4	13569.2	14125.1
47.5°	12835.1	12214.5	11593.7	11574.4	11555.1	12885.8	14216.0	15556.4	16896.7	17683.8
50°	14769.6	14002.9	13236.4	13239.7	13243.0	14957.8	16672.6	18441.9	20211.3	21281.0
52.5°	16990.1	16061.8	15133.7	15039.9	14945.8	16994.2	19042.5	21231.7	23420.7	24702.9
55°	19354.3	18437.1	17520.0	17154.1	16788.2	19068.0	21347.5	23957.3	26567.1	28092.1
57.5°	21504.5	21005.1	20505.5	19771.6	19037.9	21339.8	23641.7	26597.7	29553.6	31444.7
60°	22804.1	23579.8	24355.7	23444.4	22533.0	24711.4	26889.8	30054.7	33219.6	35263.5
62.5°	22144.2	24263.8	26383.5	26280.8	26177.9	28173.4	30169.2	33180.3	36191.2	38080.4
65°	20823.4	22812.8	24802.2	25195.8	25589.3	28125.2	30661.4	33581.2	36500.9	38109.3
67.5°	19053.7	20945.8	22837.8	23022.4	23206.8	25849.2	28491.3	31423.7	34356.0	35616.1
70°	16927.5	18985.5	21043.6	21126.1	21208.8	23571.7	25934.5	28458.0	30981.3	31681.7
72.5°	14393.8	16755.5	19117.3	19176.6	19235.8	21084.5	22933.2	24823.2	26712.9	26783.8
75°	11188.7	13633.0	16077.2	16296.7	16516.2	17954.5	19392.8	20723.2	22053.7	21697.2
77.5°	7994.1	10275.8	12557.6	12871.7	13185.8	14279.2	15372.6	16316.2	17259.9	16647.2
80°	5232.1	7151.7	9071.2	9461.5	9851.9	10677.7	11503.1	11998.7	12494.1	11508.5
82.5°	3041.4	4353.7	5666.2	6102.2	6538.4	7106.8	7675.2	7882.0	8088.5	7314.0
85°	1338.1	2034.7	2731.2	3102.1	3473.0	3940.0	4406.9	4524.2	4641.6	4021.1
87.5°	414.3	648.4	882.5	1089.4	1296.3	1529.8	1763.4	1773.4	1783.2	1497.1
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°
5021.1	0°	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1
5551.0	2.5°	5542.3	5533.6	5516.3	5499.0	5469.9	5440.8	5420.2	5399.7	5358.3	5316.9
6215.3	5°	6191.8	6168.5	6130.0	6091.4	6020.3	5949.4	5877.8	5806.3	5714.8	5623.2
6850.6	7.5°	6816.7	6782.6	6719.6	6656.6	6551.9	6447.3	6331.1	6214.8	6063.7	5912.8
7262.9	10°	7230.0	7196.8	7122.8	7048.5	6925.7	6803.0	6665.4	6527.9	6336.9	6146.0
7383.3	12.5°	7365.2	7347.1	7293.2	7239.2	7128.6	7017.6	6868.7	6719.6	6509.7	6300.1
7198.0	15°	7217.2	7236.5	7234.6	7232.7	7162.9	7093.4	6964.8	6836.1	6617.4	6398.8
6778.7	17.5°	6850.4	6921.9	6999.9	7077.9	7076.8	7075.4	6988.5	6901.6	6679.9	6458.1
6256.2	20°	6381.6	6507.0	6679.3	6851.5	6943.1	7034.6	7004.1	6973.9	6743.5	6512.8
5778.7	22.5°	5935.6	6092.4	6345.8	6599.1	6788.7	6978.3	7018.0	7057.7	6822.3	6586.6
5394.5	25°	5559.1	5724.0	6031.7	6339.4	6627.3	6915.1	7040.4	7165.6	6934.8	6704.1
5095.3	27.5°	5257.3	5419.6	5760.6	6101.7	6482.8	6864.1	7088.2	7312.0	7092.0	6871.8
4891.6	30°	5042.1	5192.6	5547.9	5903.2	6372.6	6841.9	7175.6	7509.5	7296.8	7084.3
4862.2	32.5°	4980.5	5098.6	5432.5	5766.4	6297.4	6828.4	7285.5	7742.7	7532.1	7321.7
5281.6	35°	5309.2	5336.7	5568.5	5800.5	6353.7	6907.0	7466.4	8025.9	7824.4	7622.6
6402.6	37.5°	6276.6	6150.6	6165.6	6180.6	6683.5	7186.4	7844.6	8502.8	8245.7	7988.7
8184.5	40°	7878.1	7571.8	7307.8	7043.8	7417.8	7791.8	8507.6	9223.4	8848.8	8474.3
10593.7	42.5°	10036.5	9479.3	8903.5	8327.8	8543.2	8758.6	9468.9	10179.1	9638.4	9097.8
13569.2	45°	12653.4	11737.8	10815.3	9892.9	9988.1	10083.1	10721.2	11359.2	10629.9	9900.6
16896.7	47.5°	15556.4	14216.0	12885.8	11555.1	11574.4	11593.7	12214.5	12835.1	11808.7	10782.1
20211.3	50°	18441.9	16672.6	14957.8	13243.0	13239.7	13236.4	14002.9	14769.6	13222.2	11674.6
23420.7	52.5°	21231.7	19042.5	16994.2	14945.8	15039.9	15133.7	16061.8	16990.1	14706.9	12423.7
26567.1	55°	23957.3	21347.5	19068.0	16788.2	17154.1	17520.0	18437.1	19354.3	16023.3	12692.5
29553.6	57.5°	26597.7	23641.7	21339.8	19037.9	19771.6	20505.5	21005.1	21504.5	16956.2	12407.9
33219.6	60°	30054.7	26889.8	24711.4	22533.0	23444.4	24355.7	23579.8	22804.1	17189.4	11574.4
36191.2	62.5°	33180.3	30169.2	28173.4	26177.9	26280.8	26383.5	24263.8	22144.2	16207.7	10271.2
36500.9	65°	33581.2	30661.4	28125.2	25589.3	25195.8	24802.2	22812.8	20823.4	14818.7	8813.9
34356.0	67.5°	31423.7	28491.3	25849.2	23206.8	23022.4	22837.8	20945.8	19053.7	13165.7	7277.7
30981.3	70°	28458.0	25934.5	23571.7	21208.8	21126.1	21043.6	18985.5	16927.5	11362.1	5796.6
26712.9	72.5°	24823.2	22933.2	21084.5	19235.8	19176.6	19117.3	16755.5	14393.8	9406.8	4420.0
22053.7	75°	20723.2	19392.8	17954.5	16516.2	16296.7	16077.2	13633.0	11188.7	7165.4	3142.2
17259.9	77.5°	16316.2	15372.6	14279.2	13185.8	12871.7	12557.6	10275.8	7994.1	5015.2	2036.2
12494.1	80°	11998.7	11503.1	10677.7	9851.9	9461.5	9071.2	7151.7	5232.1	3231.2	1230.2
8088.5	82.5°	7882.0	7675.2	7106.8	6538.4	6102.2	5666.2	4353.7	3041.4	1870.1	699.0
4641.6	85°	4524.2	4406.9	3940.0	3473.0	3102.1	2731.2	2034.7	1338.1	841.2	344.5
1783.2	87.5°	1773.4	1763.4	1529.8	1296.3	1089.4	882.5	648.4	414.3	275.5	136.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5021.1	0°	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1
5272.8	2.5°	5228.8	5184.5	5140.2	5097.8	5055.4	5014.4	4968.7	4931.7	4894.9	4861.6
5531.9	5°	5440.8	5348.9	5257.2	5171.4	5085.7	5004.7	4924.8	4855.0	4785.1	4726.5
5773.3	7.5°	5633.8	5498.0	5362.2	5242.5	5122.9	5012.5	4909.0	4816.1	4723.4	4646.4
5961.6	10°	5777.4	5612.4	5447.3	5305.9	5164.1	5027.9	4916.7	4818.8	4720.9	4643.9
6091.2	12.5°	5882.4	5687.8	5493.2	5333.1	5173.0	5029.8	4926.3	4846.2	4766.4	4715.2
6172.2	15°	5945.6	5721.5	5497.4	5312.1	5126.7	4968.1	4885.3	4846.9	4808.8	4815.7
6210.9	17.5°	5963.7	5703.6	5443.5	5220.5	4997.6	4811.1	4760.1	4774.1	4788.0	4872.0
6241.1	20°	5969.5	5654.3	5339.0	5062.7	4786.4	4569.3	4555.8	4621.3	4686.8	4832.7
6282.0	22.5°	5977.2	5593.8	5210.3	4877.6	4544.8	4297.6	4324.0	4420.9	4517.9	4684.3
6356.0	25°	6007.6	5534.0	5060.6	4670.8	4281.3	4027.9	4099.2	4210.9	4322.7	4472.4
6471.6	27.5°	6071.2	5494.1	4917.1	4481.8	4046.6	3815.9	3902.6	4010.5	4118.4	4241.6
6621.3	30°	6158.3	5475.5	4792.2	4323.8	3855.4	3661.8	3729.8	3815.4	3901.3	4003.4
6777.6	32.5°	6233.4	5452.3	4670.8	4187.6	3704.2	3548.1	3578.4	3629.0	3679.7	3761.2
6955.6	35°	6288.5	5408.8	4529.4	4053.7	3578.0	3447.9	3435.4	3449.3	3463.3	3525.6
7155.0	37.5°	6321.3	5334.2	4347.1	3896.1	3445.0	3331.4	3285.5	3270.1	3254.7	3299.4
7408.2	40°	6341.9	5231.5	4121.3	3708.0	3294.8	3191.7	3121.3	3086.5	3051.6	3083.8
7739.4	42.5°	6381.0	5125.6	3870.5	3500.5	3130.6	3035.6	2947.0	2900.7	2854.5	2880.7
8175.2	45°	6449.8	5027.1	3604.6	3280.1	2955.6	2859.3	2773.6	2728.5	2683.6	2705.6
8639.6	47.5°	6497.0	4945.8	3394.6	3105.7	2816.9	2692.6	2618.8	2581.1	2543.3	2564.1
9070.4	50°	6466.2	4857.2	3248.1	2989.9	2731.8	2568.4	2482.6	2449.1	2415.8	2448.1
9350.2	52.5°	6276.4	4707.5	3138.7	2913.6	2688.8	2500.9	2381.1	2347.9	2315.0	2363.7
9288.5	55°	5884.3	4459.3	3034.3	2858.3	2682.4	2507.7	2327.1	2274.7	2222.5	2291.7
8854.6	57.5°	5301.5	4109.4	2917.1	2792.8	2668.6	2514.4	2294.8	2218.5	2142.2	2216.5
8047.1	60°	4519.8	3655.1	2790.3	2692.6	2595.0	2493.2	2264.3	2165.5	2066.4	2131.8
6955.2	62.5°	3639.3	3111.3	2583.4	2518.5	2453.7	2441.2	2228.9	2105.2	1981.7	2023.1
5841.2	65°	2868.6	2622.1	2375.7	2345.1	2314.4	2316.0	2154.1	2022.7	1891.1	1907.1
4749.8	67.5°	2221.9	2152.0	2081.9	2099.0	2116.0	2111.7	2020.8	1911.3	1801.9	1796.9
3739.8	70°	1683.0	1703.1	1722.9	1802.3	1881.5	1881.5	1851.6	1773.8	1695.9	1678.6
2859.1	72.5°	1298.2	1358.6	1419.1	1531.6	1643.9	1662.8	1663.2	1609.8	1556.4	1531.0
2075.1	75°	1008.1	1062.8	1117.5	1243.5	1369.5	1456.6	1449.3	1408.3	1367.0	1342.8
1406.1	77.5°	776.1	813.3	850.7	973.0	1095.4	1238.9	1235.1	1202.1	1169.2	1144.5
906.0	80°	581.9	597.3	612.7	716.4	819.8	991.3	990.7	963.2	935.4	914.8
557.2	82.5°	415.8	418.5	421.6	497.9	574.2	720.6	728.7	715.2	701.7	687.1
297.9	85°	251.4	250.1	248.6	304.4	360.3	469.2	479.8	465.3	450.9	434.5
123.5	87.5°	110.2	108.9	107.5	130.2	153.2	198.5	211.9	206.2	200.4	197.3
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°
5021.1	0°	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1
4828.5	2.5°	4799.4	4770.3	4741.0	4711.9	4689.3	4666.6	4648.3	4630.0	4615.7	4601.5
4668.1	5°	4616.5	4564.9	4518.1	4471.0	4435.0	4398.8	4373.5	4348.3	4330.4	4312.5
4569.3	7.5°	4504.4	4439.2	4381.8	4324.6	4281.6	4238.9	4208.8	4178.7	4158.1	4137.7
4566.8	10°	4496.9	4426.7	4362.2	4297.6	4246.4	4194.9	4161.4	4127.5	4108.0	4088.6
4664.3	12.5°	4609.2	4554.5	4487.6	4420.9	4355.4	4289.9	4246.6	4203.2	4181.4	4159.9
4822.7	15°	4808.4	4794.2	4736.2	4678.2	4584.9	4491.7	4425.8	4359.9	4329.6	4299.6
4956.0	17.5°	5000.7	5045.2	4998.4	4951.8	4828.3	4704.8	4607.6	4510.5	4465.8	4420.9
4978.7	20°	5072.2	5165.6	5144.1	5122.3	4981.1	4840.0	4720.9	4602.1	4544.8	4487.4
4851.2	22.5°	4972.8	5094.3	5107.4	5120.4	4985.5	4850.6	4728.1	4605.3	4545.0	4484.5
4622.3	25°	4741.9	4861.6	4906.3	4950.8	4840.2	4729.8	4620.7	4512.1	4459.7	4407.5
4364.5	27.5°	4460.4	4556.4	4606.1	4656.0	4577.2	4498.6	4414.0	4329.4	4294.4	4259.1
4105.5	30°	4185.1	4264.9	4305.3	4345.8	4285.9	4225.8	4165.3	4104.4	4086.5	4068.3
3842.9	32.5°	3919.2	3995.7	4040.6	4085.7	4030.6	3975.3	3926.9	3878.6	3866.8	3855.1
3587.6	35°	3663.1	3738.9	3792.8	3846.8	3807.5	3768.4	3723.6	3679.1	3661.2	3643.5
3343.9	37.5°	3419.2	3494.8	3561.4	3628.1	3610.0	3591.9	3550.8	3509.6	3477.0	3444.7
3116.0	40°	3188.8	3261.6	3338.3	3415.2	3419.6	3423.8	3389.0	3354.1	3306.7	3259.7
2907.1	42.5°	2976.1	3045.2	3128.1	3210.9	3233.1	3255.3	3225.8	3196.5	3137.7	3079.0
2727.9	45°	2793.4	2858.9	2944.9	3030.8	3062.6	3094.4	3067.8	3041.4	2974.1	2907.1
2584.7	47.5°	2648.9	2712.9	2797.7	2882.4	2919.0	2955.6	2937.1	2918.7	2858.9	2799.2
2480.7	50°	2541.2	2601.5	2677.4	2753.3	2800.3	2847.4	2846.2	2845.4	2797.7	2749.9
2412.3	52.5°	2467.8	2523.1	2593.8	2664.7	2720.4	2776.1	2786.1	2796.1	2757.2	2718.3
2360.7	55°	2420.4	2480.1	2542.2	2604.0	2663.0	2722.1	2736.0	2749.9	2716.0	2682.0
2290.9	57.5°	2361.0	2431.2	2492.5	2553.9	2613.5	2672.8	2686.9	2700.9	2666.6	2632.3
2196.9	60°	2277.4	2358.0	2420.2	2482.6	2542.4	2602.1	2617.5	2632.9	2599.4	2566.1
2064.5	62.5°	2158.4	2252.4	2318.9	2385.3	2440.0	2494.8	2509.6	2524.4	2494.2	2463.9
1922.9	65°	2023.5	2124.2	2187.8	2251.4	2299.6	2347.8	2363.0	2378.0	2348.9	2319.8
1791.9	67.5°	1884.8	1977.8	2038.1	2098.2	2139.9	2181.5	2196.3	2211.0	2184.2	2157.6
1661.2	70°	1742.9	1824.6	1876.7	1928.7	1966.3	2003.8	2018.1	2032.3	2010.6	1988.8
1505.8	72.5°	1570.1	1634.3	1681.3	1728.3	1765.1	1801.9	1818.9	1835.8	1817.7	1799.6
1318.3	75°	1366.1	1413.9	1456.4	1499.0	1532.5	1566.1	1583.8	1601.5	1592.7	1583.8
1119.8	77.5°	1158.8	1197.5	1234.1	1270.7	1306.0	1341.0	1357.6	1374.2	1361.8	1349.1
894.0	80°	926.4	958.6	989.4	1020.2	1047.0	1073.6	1095.6	1117.5	1112.1	1106.9
672.4	82.5°	669.7	667.0	656.3	645.5	702.5	759.5	796.9	834.3	832.0	829.5
418.1	85°	404.2	390.2	360.3	330.4	383.8	437.4	483.6	529.9	526.0	522.2
194.2	87.5°	193.6	193.1	170.3	147.4	169.7	192.3	211.0	229.7	225.0	220.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
5021.1	0°	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1
4588.4	2.5°	4575.1	4558.7	4575.1	4588.4	4601.5	4615.7	4630.0	4648.3	4666.6	4689.3
4298.8	5°	4285.1	4271.6	4285.1	4298.8	4312.5	4330.4	4348.3	4373.5	4398.8	4435.0
4125.4	7.5°	4113.2	4104.0	4113.2	4125.4	4137.7	4158.1	4178.7	4208.8	4238.9	4281.6
4078.2	10°	4067.8	4063.5	4067.8	4078.2	4088.6	4108.0	4127.5	4161.4	4194.9	4246.4
4151.0	12.5°	4142.1	4140.6	4142.1	4151.0	4159.9	4181.4	4203.2	4246.6	4289.9	4355.4
4288.0	15°	4276.4	4275.5	4276.4	4288.0	4299.6	4329.6	4359.9	4425.8	4491.7	4584.9
4406.3	17.5°	4391.5	4389.2	4391.5	4406.3	4420.9	4465.8	4510.5	4607.6	4704.8	4828.3
4469.1	20°	4450.8	4445.0	4450.8	4469.1	4487.4	4544.8	4602.1	4720.9	4840.0	4981.1
4464.3	22.5°	4444.1	4435.4	4444.1	4464.3	4484.5	4545.0	4605.3	4728.1	4850.6	4985.5
4388.4	25°	4369.5	4358.3	4369.5	4388.4	4407.5	4459.7	4512.1	4620.7	4729.8	4840.2
4250.4	27.5°	4241.8	4238.9	4241.8	4250.4	4259.1	4294.4	4329.4	4414.0	4498.6	4577.2
4068.3	30°	4068.3	4071.2	4068.3	4068.3	4068.3	4086.5	4104.4	4165.3	4225.8	4285.9
3856.6	32.5°	3858.3	3861.2	3858.3	3856.6	3855.1	3866.8	3878.6	3926.9	3975.3	4030.6
3639.6	35°	3635.8	3633.9	3635.8	3639.6	3643.5	3661.2	3679.1	3723.6	3768.4	3807.5
3427.5	37.5°	3410.4	3400.7	3410.4	3427.5	3444.7	3477.0	3509.6	3550.8	3591.9	3610.0
3227.7	40°	3196.1	3177.2	3196.1	3227.7	3259.7	3306.7	3354.1	3389.0	3423.8	3419.6
3032.5	42.5°	2986.1	2955.6	2986.1	3032.5	3079.0	3137.7	3196.5	3225.8	3255.3	3233.1
2852.6	45°	2798.0	2763.0	2798.0	2852.6	2907.1	2974.1	3041.4	3067.8	3094.4	3062.6
2748.7	47.5°	2698.4	2664.7	2698.4	2748.7	2799.2	2858.9	2918.7	2937.1	2955.6	2919.0
2703.2	50°	2656.6	2624.2	2656.6	2703.2	2749.9	2797.7	2845.4	2846.2	2847.4	2800.3
2676.5	52.5°	2634.8	2605.0	2634.8	2676.5	2718.3	2757.2	2796.1	2786.1	2776.1	2720.4
2645.4	55°	2608.8	2581.9	2608.8	2645.4	2682.0	2716.0	2749.9	2736.0	2722.1	2663.0
2596.1	57.5°	2559.7	2531.8	2559.7	2596.1	2632.3	2666.6	2700.9	2686.9	2672.8	2613.5
2528.7	60°	2491.3	2462.4	2491.3	2528.7	2566.1	2599.4	2632.9	2617.5	2602.1	2542.4
2424.6	62.5°	2385.3	2350.6	2385.3	2424.6	2463.9	2494.2	2524.4	2509.6	2494.8	2440.0
2281.7	65°	2243.7	2213.8	2243.7	2281.7	2319.8	2348.9	2378.0	2363.0	2347.8	2299.6
2122.1	67.5°	2086.7	2059.7	2086.7	2122.1	2157.6	2184.2	2211.0	2196.3	2181.5	2139.9
1954.9	70°	1921.0	1890.1	1921.0	1954.9	1988.8	2010.6	2032.3	2018.1	2003.8	1966.3
1767.2	72.5°	1735.0	1705.2	1735.0	1767.2	1799.6	1817.7	1835.8	1818.9	1801.9	1765.1
1556.6	75°	1529.5	1500.9	1529.5	1556.6	1583.8	1592.7	1601.5	1583.8	1566.1	1532.5
1321.8	77.5°	1294.4	1271.7	1294.4	1321.8	1349.1	1361.8	1374.2	1357.6	1341.0	1306.0
1070.1	80°	1033.1	990.4	1033.1	1070.1	1106.9	1112.1	1117.5	1095.6	1073.6	1047.0
798.4	82.5°	767.2	739.9	767.2	798.4	829.5	832.0	834.3	796.9	759.5	702.5
497.9	85°	473.6	448.9	473.6	497.9	522.2	526.0	529.9	483.6	437.4	383.8
207.7	87.5°	195.0	183.0	195.0	207.7	220.0	225.0	229.7	211.0	192.3	169.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5021.1	0°	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1
4711.9	2.5°	4741.0	4770.3	4799.4	4828.5	4861.6	4894.9	4931.7	4968.7	5014.4	5055.4
4471.0	5°	4518.1	4564.9	4616.5	4668.1	4726.5	4785.1	4855.0	4924.8	5004.7	5085.7
4324.6	7.5°	4381.8	4439.2	4504.4	4569.3	4646.4	4723.4	4816.1	4909.0	5012.5	5122.9
4297.6	10°	4362.2	4426.7	4496.9	4566.8	4643.9	4720.9	4818.8	4916.7	5027.9	5164.1
4420.9	12.5°	4487.6	4554.5	4609.2	4664.3	4715.2	4766.4	4846.2	4926.3	5029.8	5173.0
4678.2	15°	4736.2	4794.2	4808.4	4822.7	4815.7	4808.8	4846.9	4885.3	4968.1	5126.7
4951.8	17.5°	4998.4	5045.2	5000.7	4956.0	4872.0	4788.0	4774.1	4760.1	4811.1	4997.6
5122.3	20°	5144.1	5165.6	5072.2	4978.7	4832.7	4686.8	4621.3	4555.8	4569.3	4786.4
5120.4	22.5°	5107.4	5094.3	4972.8	4851.2	4684.3	4517.9	4420.9	4324.0	4297.6	4544.8
4950.8	25°	4906.3	4861.6	4741.9	4622.3	4472.4	4322.7	4210.9	4099.2	4027.9	4281.3
4656.0	27.5°	4606.1	4556.4	4460.4	4364.5	4241.6	4118.4	4010.5	3902.6	3815.9	4046.6
4345.8	30°	4305.3	4264.9	4185.1	4105.5	4003.4	3901.3	3815.4	3729.8	3661.8	3855.4
4085.7	32.5°	4040.6	3995.7	3919.2	3842.9	3761.2	3679.7	3629.0	3578.4	3548.1	3704.2
3846.8	35°	3792.8	3738.9	3663.1	3587.6	3525.6	3463.3	3449.3	3435.4	3447.9	3578.0
3628.1	37.5°	3561.4	3494.8	3419.2	3343.9	3299.4	3254.7	3270.1	3285.5	3331.4	3445.0
3415.2	40°	3338.3	3261.6	3188.8	3116.0	3083.8	3051.6	3086.5	3121.3	3191.7	3294.8
3210.9	42.5°	3128.1	3045.2	2976.1	2907.1	2880.7	2854.5	2900.7	2947.0	3035.6	3130.6
3030.8	45°	2944.9	2858.9	2793.4	2727.9	2705.6	2683.6	2728.5	2773.6	2859.3	2955.6
2882.4	47.5°	2797.7	2712.9	2648.9	2584.7	2564.1	2543.3	2581.1	2618.8	2692.6	2816.9
2753.3	50°	2677.4	2601.5	2541.2	2480.7	2448.1	2415.8	2449.1	2482.6	2568.4	2731.8
2664.7	52.5°	2593.8	2523.1	2467.8	2412.3	2363.7	2315.0	2347.9	2381.1	2500.9	2688.8
2604.0	55°	2542.2	2480.1	2420.4	2360.7	2291.7	2222.5	2274.7	2327.1	2507.7	2682.4
2553.9	57.5°	2492.5	2431.2	2361.0	2290.9	2216.5	2142.2	2218.5	2294.8	2514.4	2668.6
2482.6	60°	2420.2	2358.0	2277.4	2196.9	2131.8	2066.4	2165.5	2264.3	2493.2	2595.0
2385.3	62.5°	2318.9	2252.4	2158.4	2064.5	2023.1	1981.7	2105.2	2228.9	2441.2	2453.7
2251.4	65°	2187.8	2124.2	2023.5	1922.9	1907.1	1891.1	2022.7	2154.1	2316.0	2314.4
2098.2	67.5°	2038.1	1977.8	1884.8	1791.9	1796.9	1801.9	1911.3	2020.8	2111.7	2116.0
1928.7	70°	1876.7	1824.6	1742.9	1661.2	1678.6	1695.9	1773.8	1851.6	1881.5	1881.5
1728.3	72.5°	1681.3	1634.3	1570.1	1505.8	1531.0	1556.4	1609.8	1663.2	1662.8	1643.9
1499.0	75°	1456.4	1413.9	1366.1	1318.3	1342.8	1367.0	1408.3	1449.3	1456.6	1369.5
1270.7	77.5°	1234.1	1197.5	1158.8	1119.8	1144.5	1169.2	1202.1	1235.1	1238.9	1095.4
1020.2	80°	989.4	958.6	926.4	894.0	914.8	935.4	963.2	990.7	991.3	819.8
645.5	82.5°	656.3	667.0	669.7	672.4	687.1	701.7	715.2	728.7	720.6	574.2
330.4	85°	360.3	390.2	404.2	418.1	434.5	450.9	465.3	479.8	469.2	360.3
147.4	87.5°	170.3	193.1	193.6	194.2	197.3	200.4	206.2	211.9	198.5	153.2
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):

325°		330°	335°	340°	345°	350°	355°	360°
5021.1	0°	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1	5021.1
5097.8	2.5°	5140.2	5184.5	5228.8	5272.8	5316.9	5358.3	5399.7
5171.4	5°	5257.2	5348.9	5440.8	5531.9	5623.2	5714.8	5806.3
5242.5	7.5°	5362.2	5498.0	5633.8	5773.3	5912.8	6063.7	6214.8
5305.9	10°	5447.3	5612.4	5777.4	5961.6	6146.0	6336.9	6527.9
5333.1	12.5°	5493.2	5687.8	5882.4	6091.2	6300.1	6509.7	6719.6
5312.1	15°	5497.4	5721.5	5945.6	6172.2	6398.8	6617.4	6836.1
5220.5	17.5°	5443.5	5703.6	5963.7	6210.9	6458.1	6679.9	6901.6
5062.7	20°	5339.0	5654.3	5969.5	6241.1	6512.8	6743.5	6973.9
4877.6	22.5°	5210.3	5593.8	5977.2	6282.0	6586.6	6822.3	7057.7
4670.8	25°	5060.6	5534.0	6007.6	6356.0	6704.1	6934.8	7165.6
4481.8	27.5°	4917.1	5494.1	6071.2	6471.6	6871.8	7092.0	7312.0
4323.8	30°	4792.2	5475.5	6158.3	6621.3	7084.3	7296.8	7509.5
4187.6	32.5°	4670.8	5452.3	6233.4	6777.6	7321.7	7532.1	7742.7
4053.7	35°	4529.4	5408.8	6288.5	6955.6	7622.6	7824.4	8025.9
3896.1	37.5°	4347.1	5334.2	6321.3	7155.0	7988.7	8245.7	8502.8
3708.0	40°	4121.3	5231.5	6341.9	7408.2	8474.3	8848.8	9223.4
3500.5	42.5°	3870.5	5125.6	6381.0	7739.4	9097.8	9638.4	10179.1
3280.1	45°	3604.6	5027.1	6449.8	8175.2	9900.6	10629.9	11359.2
3105.7	47.5°	3394.6	4945.8	6497.0	8639.6	10782.1	11808.7	12835.1
2989.9	50°	3248.1	4857.2	6466.2	9070.4	11674.6	13222.2	14769.6
2913.6	52.5°	3138.7	4707.5	6276.4	9350.2	12423.7	14706.9	16990.1
2858.3	55°	3034.3	4459.3	5884.3	9288.5	12692.5	16023.3	19354.3
2792.8	57.5°	2917.1	4109.4	5301.5	8854.6	12407.9	16956.2	21504.5
2692.6	60°	2790.3	3655.1	4519.8	8047.1	11574.4	17189.4	22804.1
2518.5	62.5°	2583.4	3111.3	3639.3	6955.2	10271.2	16207.7	22144.2
2345.1	65°	2375.7	2622.1	2868.6	5841.2	8813.9	14818.7	20823.4
2099.0	67.5°	2081.9	2152.0	2221.9	4749.8	7277.7	13165.7	19053.7
1802.3	70°	1722.9	1703.1	1683.0	3739.8	5796.6	11362.1	16927.5
1531.6	72.5°	1419.1	1358.6	1298.2	2859.1	4420.0	9406.8	14393.8
1243.5	75°	1117.5	1062.8	1008.1	2075.1	3142.2	7165.4	11188.7
973.0	77.5°	850.7	813.3	776.1	1406.1	2036.2	5015.2	7994.1
716.4	80°	612.7	597.3	581.9	906.0	1230.2	3231.2	5232.1
497.9	82.5°	421.6	418.5	415.8	557.2	699.0	1870.1	3041.4
304.4	85°	248.6	250.1	251.4	297.9	344.5	841.2	1338.1
130.2	87.5°	107.5	108.9	110.2	123.5	136.8	275.5	414.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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