

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: P955720

Luminaire Tested: **GALN-SB8C-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955720
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-SB8C-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54220 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

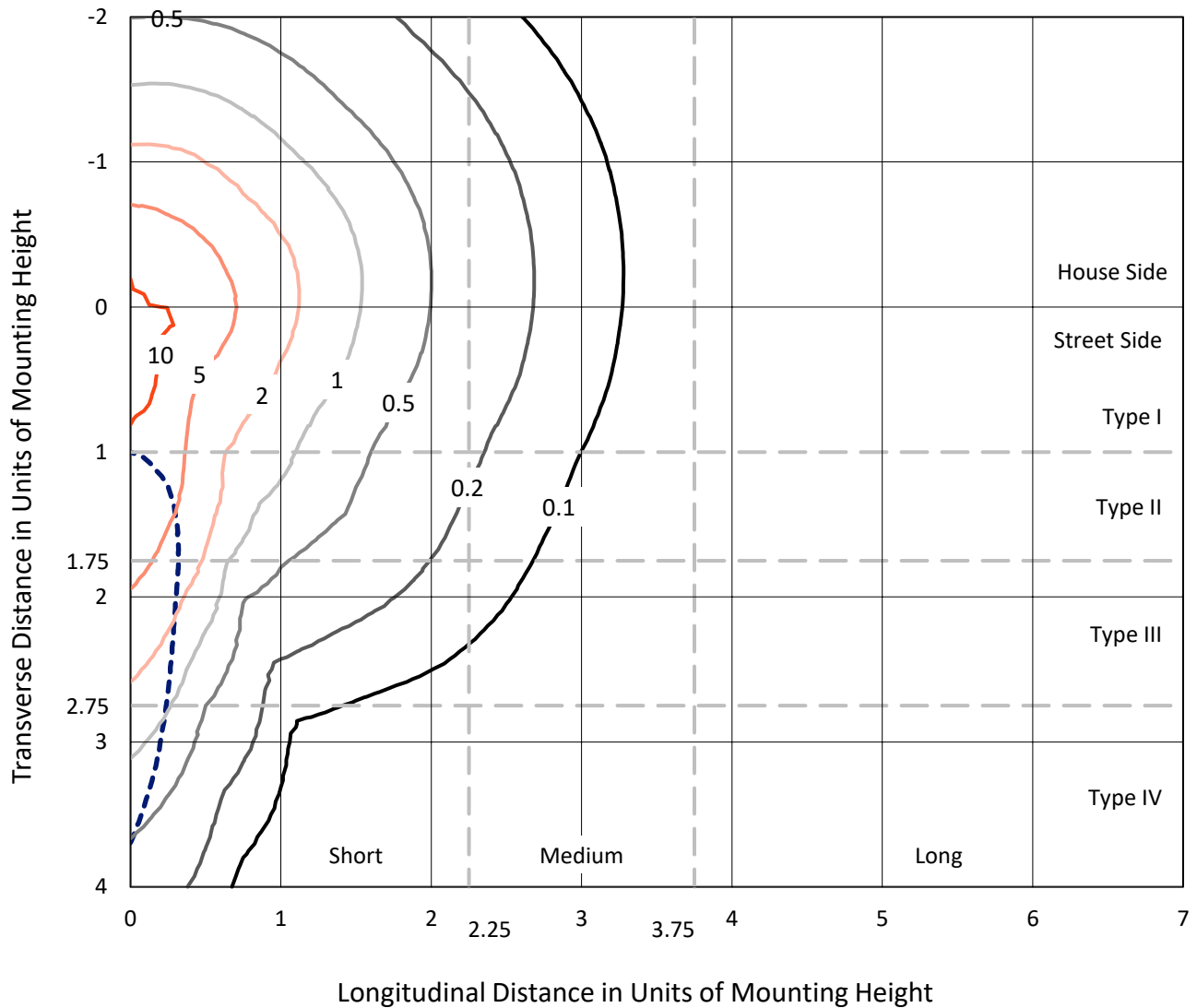
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

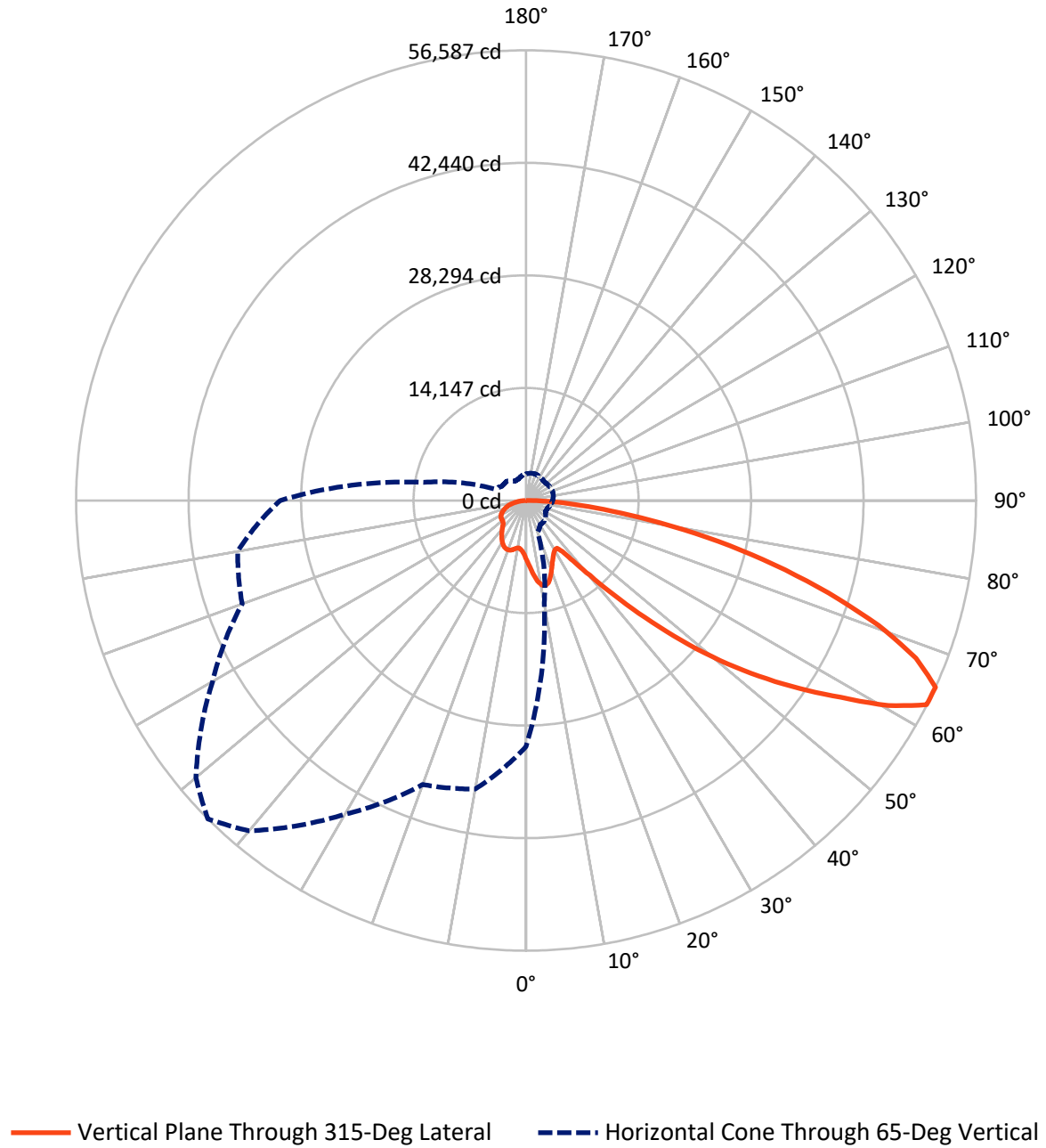
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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	13780.0	0.0	13780.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	40440.0	0.0	40440.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	54220.0	0.0	54220.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.6	1.4
10°-20°	2321.8	4.3
20°-30°	3586.3	6.6
30°-40°	4544.8	8.4
40°-50°	6854.7	12.6
50°-60°	11074.7	20.4
60°-70°	13806.4	25.5
70°-80°	9053.5	16.7
80°-90°	2238.3	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°	54220.0	100.0
0°-180°	54220.0	100.0



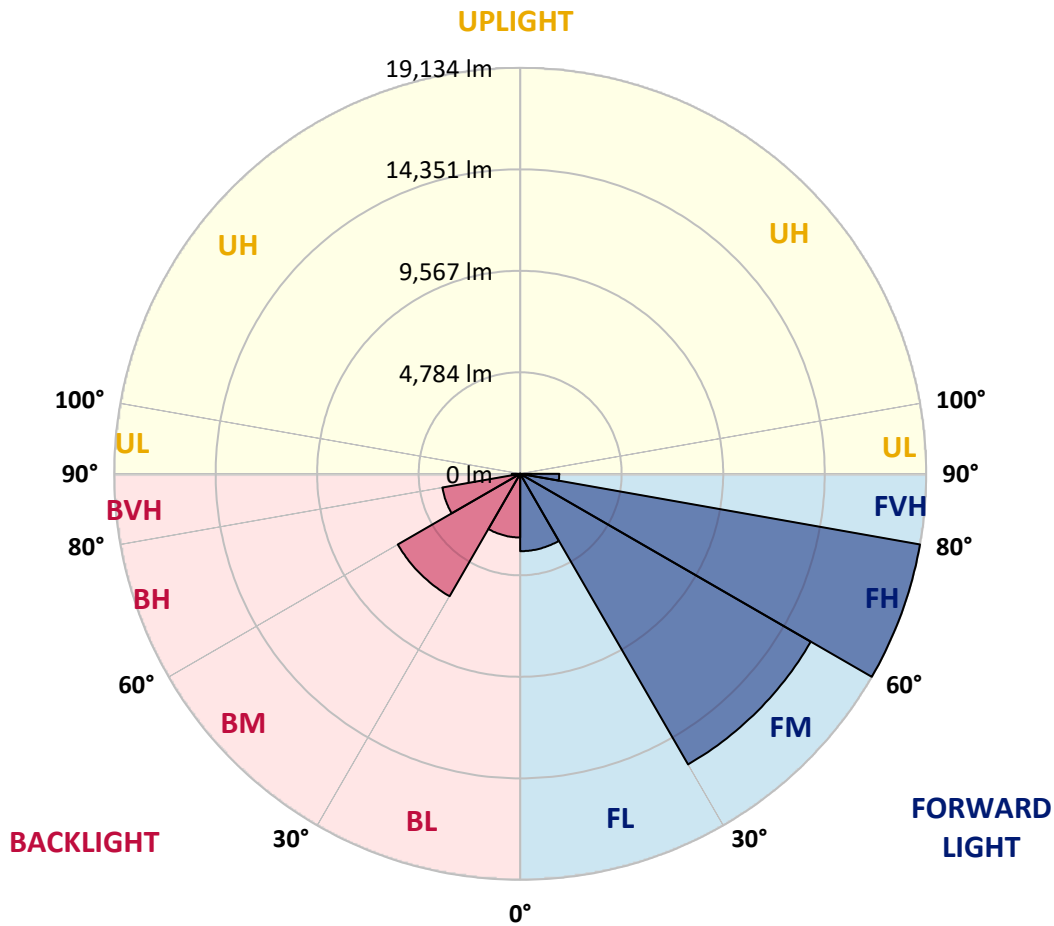
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3646.9	6.7			
FM (30°-60°)	15814.8	29.2			
FH (60°-80°)	19134.5	35.3			G5
FVH (80°-90°)	1843.8	3.4			G5
BL (0°-30°)	3000.8	5.5	B4/5000		
BM (30°-60°)	6659.3	12.3	B4/8500		
BH (60°-80°)	3725.5	6.9	B4/5000		G4/5000
BVH (80°-90°)	394.4	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°	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7
2.5°	8017.9	7956.4	7894.9	7829.4	7764.1	7698.3	7632.5	7569.6	7506.6	7445.7
5°	8621.6	8485.7	8349.8	8214.2	8078.8	7942.4	7806.2	7678.9	7551.6	7431.4
7.5°	9228.1	9003.8	8779.8	8572.6	8365.5	8163.8	7962.1	7784.4	7606.8	7442.8
10°	9693.0	9409.5	9126.0	8852.2	8578.7	8333.8	8088.6	7878.6	7668.0	7465.7
12.5°	9977.7	9666.1	9354.8	9044.7	8734.6	8445.6	8156.7	7918.9	7681.2	7468.6
15°	10150.8	9826.0	9501.3	9164.9	8828.4	8495.7	8163.0	7887.7	7612.5	7377.0
17.5°	10248.0	9918.7	9589.4	9222.4	8855.3	8469.1	8082.8	7751.8	7420.8	7143.9
20°	10355.3	10013.1	9670.7	9267.3	8863.9	8395.8	7927.8	7517.5	7107.2	6784.8
22.5°	10479.8	10130.2	9780.3	9327.9	8875.3	8306.0	7736.7	7242.6	6748.5	6381.4
25°	10640.0	10297.2	9954.8	9437.8	8920.5	8217.3	7514.4	6935.6	6357.1	5980.9
27.5°	10857.4	10530.7	10203.7	9609.5	9015.0	8158.1	7301.2	6654.9	6008.6	5666.2
30°	11150.7	10834.8	10519.3	9831.8	9144.3	8130.3	7115.8	6420.3	5724.8	5437.3
32.5°	11496.9	11184.1	10871.7	10063.8	9255.8	8096.0	6935.6	6218.1	5500.2	5268.5
35°	11917.4	11618.2	11318.6	10328.1	9337.7	8031.3	6725.6	6019.2	5312.8	5119.7
37.5°	12625.5	12243.9	11862.2	10624.3	9386.3	7920.6	6454.9	5785.2	5115.4	4946.6
40°	13695.5	13139.3	12583.2	11000.2	9416.9	7768.1	6119.6	5506.0	4892.3	4739.2
42.5°	15114.6	14311.8	13509.0	11492.0	9475.0	7610.8	5747.1	5197.8	4648.5	4507.5
45°	16866.9	15784.0	14701.2	12139.1	9577.1	7464.6	5352.3	4870.5	4388.7	4245.7
47.5°	19058.4	17534.4	16010.1	12828.6	9647.2	7343.9	5040.5	4611.6	4182.8	3998.2
50°	21930.9	19633.2	17335.3	13468.4	9601.5	7212.2	4823.0	4439.7	4056.3	3813.7
52.5°	25228.1	21837.9	18447.6	13883.8	9319.6	6989.9	4660.5	4326.4	3992.5	3713.6
55°	28738.6	23792.5	18846.7	13792.2	8737.4	6621.5	4505.5	4244.3	3983.1	3723.6
57.5°	31931.4	25177.8	18424.1	13147.9	7872.0	6101.9	4331.5	4147.0	3962.5	3733.6
60°	33861.1	25524.0	17186.5	11948.9	6711.3	5427.3	4143.3	3998.2	3853.2	3702.1
62.5°	32881.3	24066.3	15251.3	10327.6	5403.8	4619.9	3836.0	3739.6	3643.5	3624.9
65°	30920.1	22003.8	13087.6	8673.4	4259.4	3893.5	3527.6	3482.1	3436.6	3438.9
67.5°	28292.2	19549.4	10806.5	7052.9	3299.3	3195.4	3091.3	3116.8	3141.9	3135.6
70°	25135.2	16871.2	8607.3	5553.2	2499.1	2528.8	2558.3	2676.2	2793.7	2793.7
72.5°	21373.0	13967.9	6563.1	4245.4	1927.7	2017.3	2107.1	2274.2	2441.0	2469.0
75°	16613.7	10639.7	4665.7	3081.3	1496.9	1578.1	1659.4	1846.5	2033.6	2162.9
77.5°	11870.2	7446.8	3023.5	2087.9	1152.4	1207.6	1263.1	1444.8	1626.5	1839.6
80°	7769.0	4797.9	1826.7	1345.2	864.0	886.9	909.8	1063.7	1217.3	1472.0
82.5°	4516.1	2776.9	1038.0	827.4	617.4	621.4	626.0	739.3	852.6	1070.0
85°	1987.0	1249.1	511.5	442.3	373.4	371.4	369.1	452.0	535.0	696.6
87.5°	615.1	409.1	203.1	183.4	163.6	161.6	159.6	193.4	227.4	294.7
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°
7455.7	0°	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7
7377.9	2.5°	7323.0	7268.3	7218.8	7169.6	7126.4	7083.2	7039.7	6996.5	6963.1	6929.3
7312.7	5°	7209.1	7105.2	7018.3	6931.6	6854.9	6778.2	6708.7	6638.9	6585.4	6531.6
7289.2	7.5°	7151.3	7013.7	6899.3	6784.8	6688.4	6591.7	6506.4	6421.5	6357.7	6294.2
7300.7	10°	7155.3	7010.0	6895.5	6781.1	6677.2	6573.1	6477.3	6381.4	6305.3	6228.9
7315.0	12.5°	7195.9	7077.5	7001.4	6925.9	6844.0	6762.8	6663.5	6564.5	6467.2	6370.0
7254.0	15°	7197.1	7140.4	7150.7	7161.0	7139.9	7118.7	7032.6	6946.5	6808.0	6669.5
7068.1	17.5°	7088.9	7109.5	7234.3	7359.0	7425.4	7491.5	7422.0	7352.7	7169.3	6985.9
6764.8	20°	6862.1	6959.3	7175.9	7392.8	7531.5	7670.3	7638.2	7605.9	7396.2	7186.8
6420.6	22.5°	6564.5	6708.4	6955.6	7203.4	7383.9	7564.4	7583.9	7603.1	7402.8	7202.5
6086.7	25°	6252.7	6418.6	6640.9	6863.5	7041.2	7218.8	7285.2	7351.3	7187.1	7023.1
5794.9	27.5°	5955.1	6115.3	6298.2	6480.7	6623.2	6765.6	6839.5	6913.6	6796.5	6679.8
5538.3	30°	5665.3	5792.9	5944.5	6096.2	6214.3	6332.8	6392.9	6452.9	6364.0	6274.7
5313.4	32.5°	5388.7	5463.9	5584.9	5706.2	5819.5	5933.1	5999.8	6066.7	5984.9	5902.8
5101.1	35°	5121.7	5142.6	5235.0	5327.1	5439.3	5551.7	5631.8	5711.9	5653.6	5595.5
4878.5	37.5°	4855.7	4832.8	4899.1	4965.2	5077.1	5189.2	5288.2	5387.2	5360.3	5333.4
4634.8	40°	4583.0	4531.2	4579.0	4626.8	4734.9	4843.1	4956.9	5071.1	5077.7	5084.0
4375.9	42.5°	4307.2	4238.5	4277.5	4316.6	4419.1	4521.8	4644.8	4767.8	4800.7	4833.6
4118.4	45°	4051.4	3984.8	4017.4	4050.6	4147.9	4245.1	4372.7	4500.3	4547.5	4594.7
3888.6	47.5°	3832.6	3776.5	3807.4	3838.0	3933.3	4028.3	4154.1	4280.0	4334.4	4388.7
3686.4	50°	3636.6	3587.1	3635.2	3683.5	3773.3	3862.9	3975.6	4088.3	4158.2	4228.0
3535.6	52.5°	3486.4	3437.5	3509.9	3581.9	3664.3	3746.5	3851.5	3956.7	4039.4	4122.1
3455.5	55°	3377.7	3300.1	3402.9	3505.3	3594.0	3682.7	3774.8	3866.6	3954.2	4042.0
3407.4	57.5°	3294.1	3180.8	3291.3	3401.7	3505.8	3610.0	3701.0	3792.2	3880.6	3968.8
3362.2	60°	3215.5	3068.4	3165.4	3262.1	3381.7	3501.3	3593.7	3686.4	3775.1	3863.8
3309.6	62.5°	3125.9	2942.5	3004.0	3065.5	3204.9	3344.5	3443.2	3541.9	3623.1	3704.4
3198.6	65°	3003.5	2808.1	2831.8	2855.3	3004.6	3154.2	3248.6	3343.1	3414.6	3486.1
3000.6	67.5°	2838.1	2675.6	2668.2	2660.7	2798.6	2936.8	3026.3	3115.6	3177.4	3239.2
2749.4	70°	2633.8	2518.2	2492.5	2466.7	2588.0	2709.3	2786.6	2863.8	2919.6	2975.4
2469.6	72.5°	2390.3	2311.1	2273.3	2235.9	2331.4	2426.7	2496.5	2566.3	2620.9	2675.6
2152.0	75°	2091.1	2029.9	1993.8	1957.5	2028.4	2099.4	2162.6	2225.8	2275.6	2325.4
1833.9	77.5°	1785.0	1736.0	1699.4	1662.8	1720.6	1778.1	1832.5	1886.8	1939.2	1991.2
1471.1	80°	1430.2	1389.0	1358.4	1327.5	1375.6	1423.3	1469.1	1514.9	1554.7	1594.1
1082.0	82.5°	1062.0	1042.0	1020.2	998.5	994.5	990.5	974.5	958.4	1043.1	1127.8
712.4	85°	690.9	669.5	645.2	620.8	600.2	579.3	535.0	490.7	569.9	649.4
314.7	87.5°	306.1	297.5	293.0	288.4	287.5	286.7	252.9	218.9	252.1	285.5
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°
7455.7	0°	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7
6902.1	2.5°	6874.9	6853.8	6832.6	6813.1	6793.4	6769.1	6793.4	6813.1	6832.6	6853.8
6494.1	5°	6456.7	6430.1	6403.4	6383.1	6362.8	6342.8	6362.8	6383.1	6403.4	6430.1
6249.5	7.5°	6204.9	6174.3	6144.0	6125.6	6107.6	6093.9	6107.6	6125.6	6144.0	6174.3
6179.1	10°	6128.8	6099.9	6071.0	6055.6	6040.1	6033.8	6040.1	6055.6	6071.0	6099.9
6305.6	12.5°	6241.2	6208.9	6176.9	6163.7	6150.5	6148.2	6150.5	6163.7	6176.9	6208.9
6571.7	15°	6473.8	6428.9	6384.3	6367.1	6349.9	6348.5	6349.9	6367.1	6384.3	6428.9
6841.8	17.5°	6697.6	6631.2	6564.5	6542.8	6520.7	6517.3	6520.7	6542.8	6564.5	6631.2
7010.0	20°	6833.5	6748.5	6663.2	6636.0	6608.9	6600.3	6608.9	6636.0	6663.2	6748.5
7020.6	22.5°	6838.3	6748.8	6658.9	6628.9	6598.9	6586.0	6598.9	6628.9	6658.9	6748.8
6861.2	25°	6699.8	6622.0	6544.5	6516.2	6488.1	6471.5	6488.1	6516.2	6544.5	6622.0
6554.2	27.5°	6428.6	6376.6	6324.2	6311.3	6298.5	6294.2	6298.5	6311.3	6324.2	6376.6
6184.9	30°	6094.5	6067.9	6041.0	6041.0	6041.0	6045.3	6041.0	6041.0	6041.0	6067.9
5831.0	32.5°	5759.2	5741.7	5724.3	5726.5	5729.1	5733.4	5729.1	5726.5	5724.3	5741.7
5529.1	35°	5463.0	5436.4	5410.1	5404.4	5398.7	5395.8	5398.7	5404.4	5410.1	5436.4
5272.5	37.5°	5211.3	5162.9	5114.9	5089.4	5063.9	5049.6	5063.9	5089.4	5114.9	5162.9
5032.2	40°	4980.4	4910.0	4840.2	4792.7	4745.8	4717.8	4745.8	4792.7	4840.2	4910.0
4789.9	42.5°	4746.4	4659.1	4571.8	4502.9	4433.9	4388.7	4433.9	4502.9	4571.8	4659.1
4555.3	45°	4516.1	4416.2	4316.6	4235.7	4154.7	4102.6	4154.7	4235.7	4316.6	4416.2
4361.3	47.5°	4333.8	4245.1	4156.4	4081.5	4006.8	3956.7	4006.8	4081.5	4156.4	4245.1
4226.2	50°	4225.1	4154.1	4083.2	4014.0	3944.7	3896.7	3944.7	4014.0	4083.2	4154.1
4137.0	52.5°	4151.9	4094.1	4036.3	3974.2	3912.4	3868.0	3912.4	3974.2	4036.3	4094.1
4062.6	55°	4083.2	4032.8	3982.5	3928.1	3873.8	3833.7	3873.8	3928.1	3982.5	4032.8
3989.6	57.5°	4010.5	3959.6	3908.7	3854.9	3800.8	3759.3	3800.8	3854.9	3908.7	3959.6
3886.6	60°	3909.5	3859.7	3810.3	3754.8	3699.2	3656.3	3699.2	3754.8	3810.3	3859.7
3726.4	62.5°	3748.5	3703.5	3658.6	3600.3	3541.9	3490.4	3541.9	3600.3	3658.6	3703.5
3508.7	65°	3531.0	3487.8	3444.6	3388.0	3331.6	3287.3	3331.6	3388.0	3444.6	3487.8
3261.2	67.5°	3283.0	3243.2	3203.7	3151.1	3098.4	3058.4	3098.4	3151.1	3203.7	3243.2
2996.6	70°	3017.8	2985.4	2953.1	2902.8	2852.4	2806.6	2852.4	2902.8	2953.1	2985.4
2700.8	72.5°	2725.9	2699.0	2672.2	2624.1	2576.3	2532.0	2576.3	2624.1	2672.2	2699.0
2351.7	75°	2378.0	2364.9	2351.7	2311.4	2271.0	2228.7	2271.0	2311.4	2351.7	2364.9
2015.8	77.5°	2040.5	2022.1	2003.3	1962.6	1922.0	1888.2	1922.0	1962.6	2003.3	2022.1
1626.8	80°	1659.4	1651.4	1643.6	1589.0	1534.1	1470.5	1534.1	1589.0	1643.6	1651.4
1183.3	82.5°	1238.8	1235.4	1231.7	1185.6	1139.2	1098.6	1139.2	1185.6	1231.7	1235.4
718.1	85°	786.8	781.0	775.3	739.3	703.2	666.6	703.2	739.3	775.3	781.0
313.3	87.5°	341.0	334.2	326.7	308.4	289.5	271.8	289.5	308.4	326.7	334.2
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°
7455.7	0°	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7
6874.9	2.5°	6902.1	6929.3	6963.1	6996.5	7039.7	7083.2	7126.4	7169.6	7218.8	7268.3
6456.7	5°	6494.1	6531.6	6585.4	6638.9	6708.7	6778.2	6854.9	6931.6	7018.3	7105.2
6204.9	7.5°	6249.5	6294.2	6357.7	6421.5	6506.4	6591.7	6688.4	6784.8	6899.3	7013.7
6128.8	10°	6179.1	6228.9	6305.3	6381.4	6477.3	6573.1	6677.2	6781.1	6895.5	7010.0
6241.2	12.5°	6305.6	6370.0	6467.2	6564.5	6663.5	6762.8	6844.0	6925.9	7001.4	7077.5
6473.8	15°	6571.7	6669.5	6808.0	6946.5	7032.6	7118.7	7139.9	7161.0	7150.7	7140.4
6697.6	17.5°	6841.8	6985.9	7169.3	7352.7	7422.0	7491.5	7425.4	7359.0	7234.3	7109.5
6833.5	20°	7010.0	7186.8	7396.2	7605.9	7638.2	7670.3	7531.5	7392.8	7175.9	6959.3
6838.3	22.5°	7020.6	7202.5	7402.8	7603.1	7583.9	7564.4	7383.9	7203.4	6955.6	6708.4
6699.8	25°	6861.2	7023.1	7187.1	7351.3	7285.2	7218.8	7041.2	6863.5	6640.9	6418.6
6428.6	27.5°	6554.2	6679.8	6796.5	6913.6	6839.5	6765.6	6623.2	6480.7	6298.2	6115.3
6094.5	30°	6184.9	6274.7	6364.0	6452.9	6392.9	6332.8	6214.3	6096.2	5944.5	5792.9
5759.2	32.5°	5831.0	5902.8	5984.9	6066.7	5999.8	5933.1	5819.5	5706.2	5584.9	5463.9
5463.0	35°	5529.1	5595.5	5653.6	5711.9	5631.8	5551.7	5439.3	5327.1	5235.0	5142.6
5211.3	37.5°	5272.5	5333.4	5360.3	5387.2	5288.2	5189.2	5077.1	4965.2	4899.1	4832.8
4980.4	40°	5032.2	5084.0	5077.7	5071.1	4956.9	4843.1	4734.9	4626.8	4579.0	4531.2
4746.4	42.5°	4789.9	4833.6	4800.7	4767.8	4644.8	4521.8	4419.1	4316.6	4277.5	4238.5
4516.1	45°	4555.3	4594.7	4547.5	4500.3	4372.7	4245.1	4147.9	4050.6	4017.4	3984.8
4333.8	47.5°	4361.3	4388.7	4334.4	4280.0	4154.1	4028.3	3933.3	3838.0	3807.4	3776.5
4225.1	50°	4226.2	4228.0	4158.2	4088.3	3975.6	3862.9	3773.3	3683.5	3635.2	3587.1
4151.9	52.5°	4137.0	4122.1	4039.4	3956.7	3851.5	3746.5	3664.3	3581.9	3509.9	3437.5
4083.2	55°	4062.6	4042.0	3954.2	3866.6	3774.8	3682.7	3594.0	3505.3	3402.9	3300.1
4010.5	57.5°	3989.6	3968.8	3880.6	3792.2	3701.0	3610.0	3505.8	3401.7	3291.3	3180.8
3909.5	60°	3886.6	3863.8	3775.1	3686.4	3593.7	3501.3	3381.7	3262.1	3165.4	3068.4
3748.5	62.5°	3726.4	3704.4	3623.1	3541.9	3443.2	3344.5	3204.9	3065.5	3004.0	2942.5
3531.0	65°	3508.7	3486.1	3414.6	3343.1	3248.6	3154.2	3004.6	2855.3	2831.8	2808.1
3283.0	67.5°	3261.2	3239.2	3177.4	3115.6	3026.3	2936.8	2798.6	2660.7	2668.2	2675.6
3017.8	70°	2996.6	2975.4	2919.6	2863.8	2786.6	2709.3	2588.0	2466.7	2492.5	2518.2
2725.9	72.5°	2700.8	2675.6	2620.9	2566.3	2496.5	2426.7	2331.4	2235.9	2273.3	2311.1
2378.0	75°	2351.7	2325.4	2275.6	2225.8	2162.6	2099.4	2028.4	1957.5	1993.8	2029.9
2040.5	77.5°	2015.8	1991.2	1939.2	1886.8	1832.5	1778.1	1720.6	1662.8	1699.4	1736.0
1659.4	80°	1626.8	1594.1	1554.7	1514.9	1469.1	1423.3	1375.6	1327.5	1358.4	1389.0
1238.8	82.5°	1183.3	1127.8	1043.1	958.4	974.5	990.5	994.5	998.5	1020.2	1042.0
786.8	85°	718.1	649.4	569.9	490.7	535.0	579.3	600.2	620.8	645.2	669.5
341.0	87.5°	313.3	285.5	252.1	218.9	252.9	286.7	287.5	288.4	293.0	297.5
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7455.7	0°	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7
7323.0	2.5°	7377.9	7445.7	7506.6	7569.6	7632.5	7698.3	7764.1	7829.4	7894.9	7956.4
7209.1	5°	7312.7	7431.4	7551.6	7678.9	7806.2	7942.4	8078.8	8214.2	8349.8	8485.7
7151.3	7.5°	7289.2	7442.8	7606.8	7784.4	7962.1	8163.8	8365.5	8572.6	8779.8	9003.8
7155.3	10°	7300.7	7465.7	7668.0	7878.6	8088.6	8333.8	8578.7	8852.2	9126.0	9409.5
7195.9	12.5°	7315.0	7468.6	7681.2	7918.9	8156.7	8445.6	8734.6	9044.7	9354.8	9666.1
7197.1	15°	7254.0	7377.0	7612.5	7887.7	8163.0	8495.7	8828.4	9164.9	9501.3	9826.0
7088.9	17.5°	7068.1	7143.9	7420.8	7751.8	8082.8	8469.1	8855.3	9222.4	9589.4	9918.7
6862.1	20°	6764.8	6784.8	7107.2	7517.5	7927.8	8395.8	8863.9	9267.3	9670.7	10013.1
6564.5	22.5°	6420.6	6381.4	6748.5	7242.6	7736.7	8306.0	8875.3	9327.9	9780.3	10130.2
6252.7	25°	6086.7	5980.9	6357.1	6935.6	7514.4	8217.3	8920.5	9437.8	9954.8	10297.2
5955.1	27.5°	5794.9	5666.2	6008.6	6654.9	7301.2	8158.1	9015.0	9609.5	10203.7	10530.7
5665.3	30°	5538.3	5437.3	5724.8	6420.3	7115.8	8130.3	9144.3	9831.8	10519.3	10834.8
5388.7	32.5°	5313.4	5268.5	5500.2	6218.1	6935.6	8096.0	9255.8	10063.8	10871.7	11184.1
5121.7	35°	5101.1	5119.7	5312.8	6019.2	6725.6	8031.3	9337.7	10328.1	11318.6	11618.2
4855.7	37.5°	4878.5	4946.6	5115.4	5785.2	6454.9	7920.6	9386.3	10624.3	11862.2	12243.9
4583.0	40°	4634.8	4739.2	4892.3	5506.0	6119.6	7768.1	9416.9	11000.2	12583.2	13139.3
4307.2	42.5°	4375.9	4507.5	4648.5	5197.8	5747.1	7610.8	9475.0	11492.0	13509.0	14311.8
4051.4	45°	4118.4	4245.7	4388.7	4870.5	5352.3	7464.6	9577.1	12139.1	14701.2	15784.0
3832.6	47.5°	3888.6	3998.2	4182.8	4611.6	5040.5	7343.9	9647.2	12828.6	16010.1	17534.4
3636.6	50°	3686.4	3813.7	4056.3	4439.7	4823.0	7212.2	9601.5	13468.4	17335.3	19633.2
3486.4	52.5°	3535.6	3713.6	3992.5	4326.4	4660.5	6989.9	9319.6	13883.8	18447.6	21837.9
3377.7	55°	3455.5	3723.6	3983.1	4244.3	4505.5	6621.5	8737.4	13792.2	18846.7	23792.5
3294.1	57.5°	3407.4	3733.6	3962.5	4147.0	4331.5	6101.9	7872.0	13147.9	18424.1	25177.8
3215.5	60°	3362.2	3702.1	3853.2	3998.2	4143.3	5427.3	6711.3	11948.9	17186.5	25524.0
3125.9	62.5°	3309.6	3624.9	3643.5	3739.6	3836.0	4619.9	5403.8	10327.6	15251.3	24066.3
3003.5	65°	3198.6	3438.9	3436.6	3482.1	3527.6	3893.5	4259.4	8673.4	13087.6	22003.8
2838.1	67.5°	3000.6	3135.6	3141.9	3116.8	3091.3	3195.4	3299.3	7052.9	10806.5	19549.4
2633.8	70°	2749.4	2793.7	2793.7	2676.2	2558.3	2528.8	2499.1	5553.2	8607.3	16871.2
2390.3	72.5°	2469.6	2469.0	2441.0	2274.2	2107.1	2017.3	1927.7	4245.4	6563.1	13967.9
2091.1	75°	2152.0	2162.9	2033.6	1846.5	1659.4	1578.1	1496.9	3081.3	4665.7	10639.7
1785.0	77.5°	1833.9	1839.6	1626.5	1444.8	1263.1	1207.6	1152.4	2087.9	3023.5	7446.8
1430.2	80°	1471.1	1472.0	1217.3	1063.7	909.8	886.9	864.0	1345.2	1826.7	4797.9
1062.0	82.5°	1082.0	1070.0	852.6	739.3	626.0	621.4	617.4	827.4	1038.0	2776.9
690.9	85°	712.4	696.6	535.0	452.0	369.1	371.4	373.4	442.3	511.5	1249.1
306.1	87.5°	314.7	294.7	227.4	193.4	159.6	161.6	163.6	183.4	203.1	409.1
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°
7455.7	0°	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7
8017.9	2.5°	8048.2	8078.8	8122.0	8165.2	8191.0	8216.7	8229.6	8242.5	8236.8	8242.5
8621.6	5°	8727.7	8834.1	8939.4	9045.0	9102.2	9159.4	9194.0	9229.0	9255.3	9229.0
9228.1	7.5°	9400.9	9573.4	9728.8	9884.1	9977.7	10071.2	10121.9	10172.2	10196.5	10172.2
9693.0	10°	9897.3	10101.6	10283.8	10466.0	10576.5	10686.3	10735.5	10784.5	10803.1	10784.5
9977.7	12.5°	10199.1	10420.3	10585.1	10749.3	10829.4	10909.5	10936.4	10963.3	10966.1	10963.3
10150.8	15°	10341.9	10532.7	10636.0	10739.6	10742.4	10745.3	10716.7	10688.1	10654.3	10688.1
10248.0	17.5°	10377.1	10506.1	10508.1	10509.8	10393.9	10278.1	10171.9	10065.5	9990.5	10065.5
10355.3	20°	10400.2	10445.4	10309.5	10173.6	9917.9	9662.1	9475.9	9289.6	9175.2	9289.6
10479.8	22.5°	10420.8	10361.9	10080.4	9798.9	9422.6	9046.4	8813.5	8580.7	8454.2	8580.7
10640.0	25°	10454.0	10268.1	9840.6	9413.2	8956.3	8499.4	8254.5	8010.2	7890.6	8010.2
10857.4	27.5°	10525.0	10192.2	9626.1	9060.2	8553.8	8047.4	7806.5	7565.9	7452.9	7565.9
11150.7	30°	10654.9	10159.3	9462.4	8765.5	8237.9	7710.3	7486.9	7263.5	7158.2	7263.5
11496.9	32.5°	10817.9	10139.3	9350.8	8562.3	8066.5	7570.7	7395.4	7219.7	7143.9	7219.7
11917.4	35°	11086.6	10256.0	9434.4	8613.0	8268.5	7924.3	7883.4	7842.5	7836.2	7842.5
12625.5	37.5°	11648.2	10670.9	9924.2	9177.5	9155.1	9132.8	9319.9	9507.0	9604.3	9507.0
13695.5	40°	12632.7	11569.8	11014.5	10459.2	10851.1	11243.1	11698.0	12152.9	12379.5	12152.9
15114.6	42.5°	14060.0	13005.4	12685.6	12365.7	13220.6	14075.5	14902.9	15730.2	16216.0	15730.2
16866.9	45°	15919.6	14972.1	14831.0	14689.7	16059.3	17429.1	18788.6	20148.5	20973.9	20148.5
19058.4	47.5°	18136.9	17215.1	17186.5	17157.9	19133.7	21108.9	23099.3	25089.4	26258.1	25089.4
21930.9	50°	20792.5	19654.4	19659.2	19664.1	22210.4	24756.6	27383.9	30011.1	31599.5	30011.1
25228.1	52.5°	23849.7	22471.6	22332.2	22192.6	25234.1	28275.6	31526.3	34776.7	36680.6	34776.7
28738.6	55°	27376.7	26014.9	25471.6	24928.3	28313.4	31698.2	35573.4	39448.6	41713.1	39448.6
31931.4	57.5°	31189.8	30448.0	29358.2	28268.8	31686.8	35104.8	39494.1	43883.2	46691.2	43883.2
33861.1	60°	35013.0	36165.1	34811.8	33458.6	36693.2	39927.9	44627.3	49326.7	52361.7	49326.7
32881.3	62.5°	36028.6	39176.0	39023.5	38870.7	41833.8	44797.2	49268.4	53739.2	56544.4	53739.2
30920.1	65°	33874.0	36828.0	37412.5	37996.7	41762.3	45528.2	49863.8	54199.0	56587.3	54199.0
28292.2	67.5°	31101.7	33911.2	34185.3	34459.1	38382.6	42305.9	46660.0	51014.2	52885.2	51014.2
25135.2	70°	28191.0	31247.1	31369.5	31492.3	35001.0	38509.4	42256.4	46003.1	47043.1	46003.1
21373.0	72.5°	24879.7	28386.7	28474.8	28562.6	31307.7	34052.8	36859.2	39665.2	39770.5	39665.2
16613.7	75°	20243.2	23872.6	24198.5	24524.3	26660.1	28795.8	30771.3	32746.8	32217.5	32746.8
11870.2	77.5°	15258.2	18646.4	19112.8	19579.1	21202.7	22826.3	24227.4	25628.7	24718.9	25628.7
7769.0	80°	10619.4	13469.5	14049.1	14628.8	15855.0	17080.6	17816.5	18552.0	17088.6	18552.0
4516.1	82.5°	6464.7	8413.6	9061.0	9708.7	10552.7	11396.7	11703.7	12010.4	10860.3	12010.4
1987.0	85°	3021.2	4055.4	4606.2	5156.9	5850.4	6543.6	6717.9	6892.1	5970.9	6892.1
615.1	87.5°	962.7	1310.3	1617.6	1924.9	2271.6	2618.4	2633.2	2647.8	2223.0	2647.8
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):

325°		330°	335°	340°	345°	350°	355°	360°
7455.7	0°	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7	7455.7
8229.6	2.5°	8216.7	8191.0	8165.2	8122.0	8078.8	8048.2	8017.9
9194.0	5°	9159.4	9102.2	9045.0	8939.4	8834.1	8727.7	8621.6
10121.9	7.5°	10071.2	9977.7	9884.1	9728.8	9573.4	9400.9	9228.1
10735.5	10°	10686.3	10576.5	10466.0	10283.8	10101.6	9897.3	9693.0
10936.4	12.5°	10909.5	10829.4	10749.3	10585.1	10420.3	10199.1	9977.7
10716.7	15°	10745.3	10742.4	10739.6	10636.0	10532.7	10341.9	10150.8
10171.9	17.5°	10278.1	10393.9	10509.8	10508.1	10506.1	10377.1	10248.0
9475.9	20°	9662.1	9917.9	10173.6	10309.5	10445.4	10400.2	10355.3
8813.5	22.5°	9046.4	9422.6	9798.9	10080.4	10361.9	10420.8	10479.8
8254.5	25°	8499.4	8956.3	9413.2	9840.6	10268.1	10454.0	10640.0
7806.5	27.5°	8047.4	8553.8	9060.2	9626.1	10192.2	10525.0	10857.4
7486.9	30°	7710.3	8237.9	8765.5	9462.4	10159.3	10654.9	11150.7
7395.4	32.5°	7570.7	8066.5	8562.3	9350.8	10139.3	10817.9	11496.9
7883.4	35°	7924.3	8268.5	8613.0	9434.4	10256.0	11086.6	11917.4
9319.9	37.5°	9132.8	9155.1	9177.5	9924.2	10670.9	11648.2	12625.5
11698.0	40°	11243.1	10851.1	10459.2	11014.5	11569.8	12632.7	13695.5
14902.9	42.5°	14075.5	13220.6	12365.7	12685.6	13005.4	14060.0	15114.6
18788.6	45°	17429.1	16059.3	14689.7	14831.0	14972.1	15919.6	16866.9
23099.3	47.5°	21108.9	19133.7	17157.9	17186.5	17215.1	18136.9	19058.4
27383.9	50°	24756.6	22210.4	19664.1	19659.2	19654.4	20792.5	21930.9
31526.3	52.5°	28275.6	25234.1	22192.6	22332.2	22471.6	23849.7	25228.1
35573.4	55°	31698.2	28313.4	24928.3	25471.6	26014.9	27376.7	28738.6
39494.1	57.5°	35104.8	31686.8	28268.8	29358.2	30448.0	31189.8	31931.4
44627.3	60°	39927.9	36693.2	33458.6	34811.8	36165.1	35013.0	33861.1
49268.4	62.5°	44797.2	41833.8	38870.7	39023.5	39176.0	36028.6	32881.3
49863.8	65°	45528.2	41762.3	37996.7	37412.5	36828.0	33874.0	30920.1
46660.0	67.5°	42305.9	38382.6	34459.1	34185.3	33911.2	31101.7	28292.2
42256.4	70°	38509.4	35001.0	31492.3	31369.5	31247.1	28191.0	25135.2
36859.2	72.5°	34052.8	31307.7	28562.6	28474.8	28386.7	24879.7	21373.0
30771.3	75°	28795.8	26660.1	24524.3	24198.5	23872.6	20243.2	16613.7
24227.4	77.5°	22826.3	21202.7	19579.1	19112.8	18646.4	15258.2	11870.2
17816.5	80°	17080.6	15855.0	14628.8	14049.1	13469.5	10619.4	7769.0
11703.7	82.5°	11396.7	10552.7	9708.7	9061.0	8413.6	6464.7	4516.1
6717.9	85°	6543.6	5850.4	5156.9	4606.2	4055.4	3021.2	1987.0
2633.2	87.5°	2618.4	2271.6	1924.9	1617.6	1310.3	962.7	615.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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