

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: P956180

Luminaire Tested: **GALN-SB8D-930-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956180
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-SB8D-930-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 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: 57037 lumens
Efficiency: N/A
Efficacy: 97.5 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

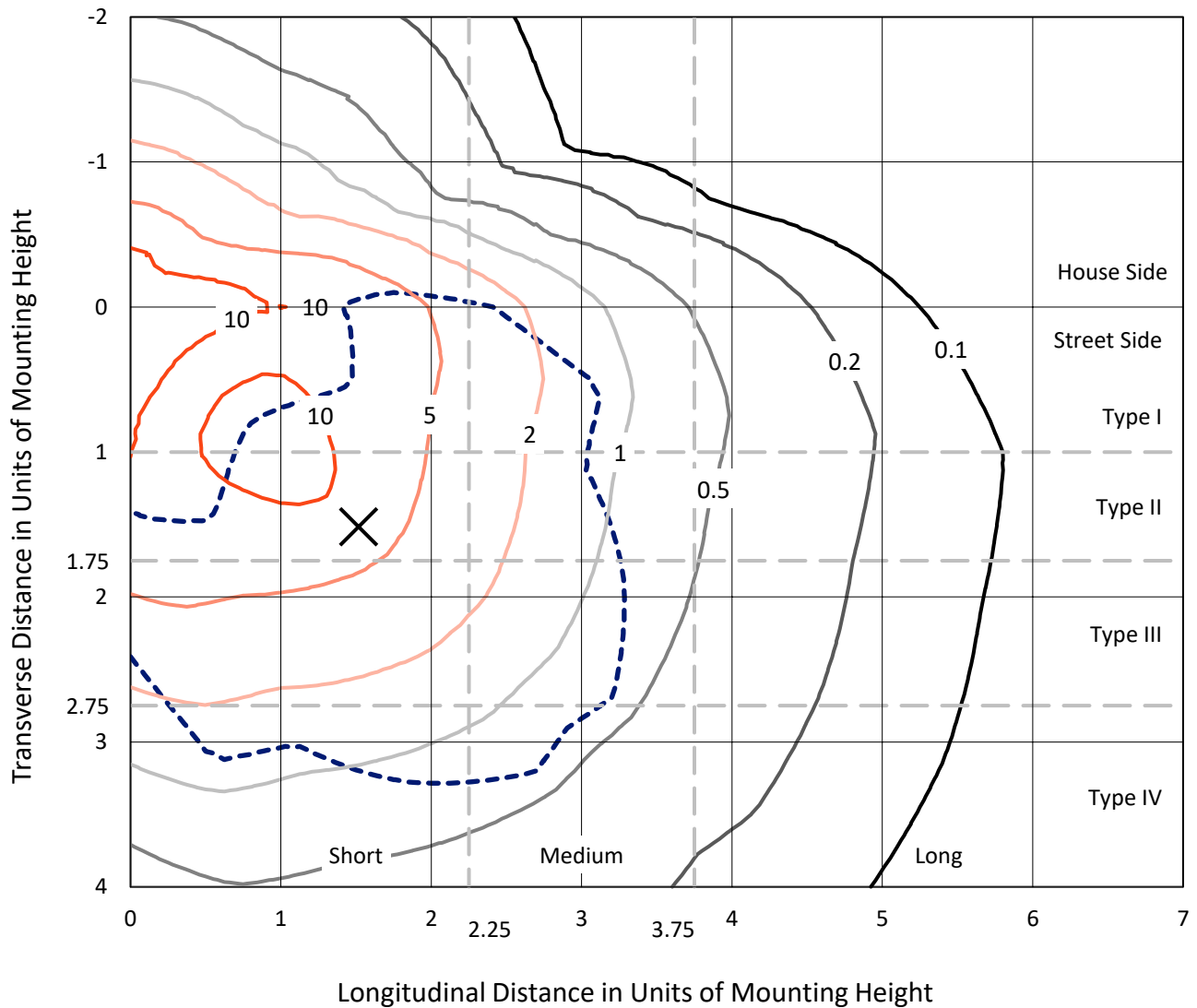
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

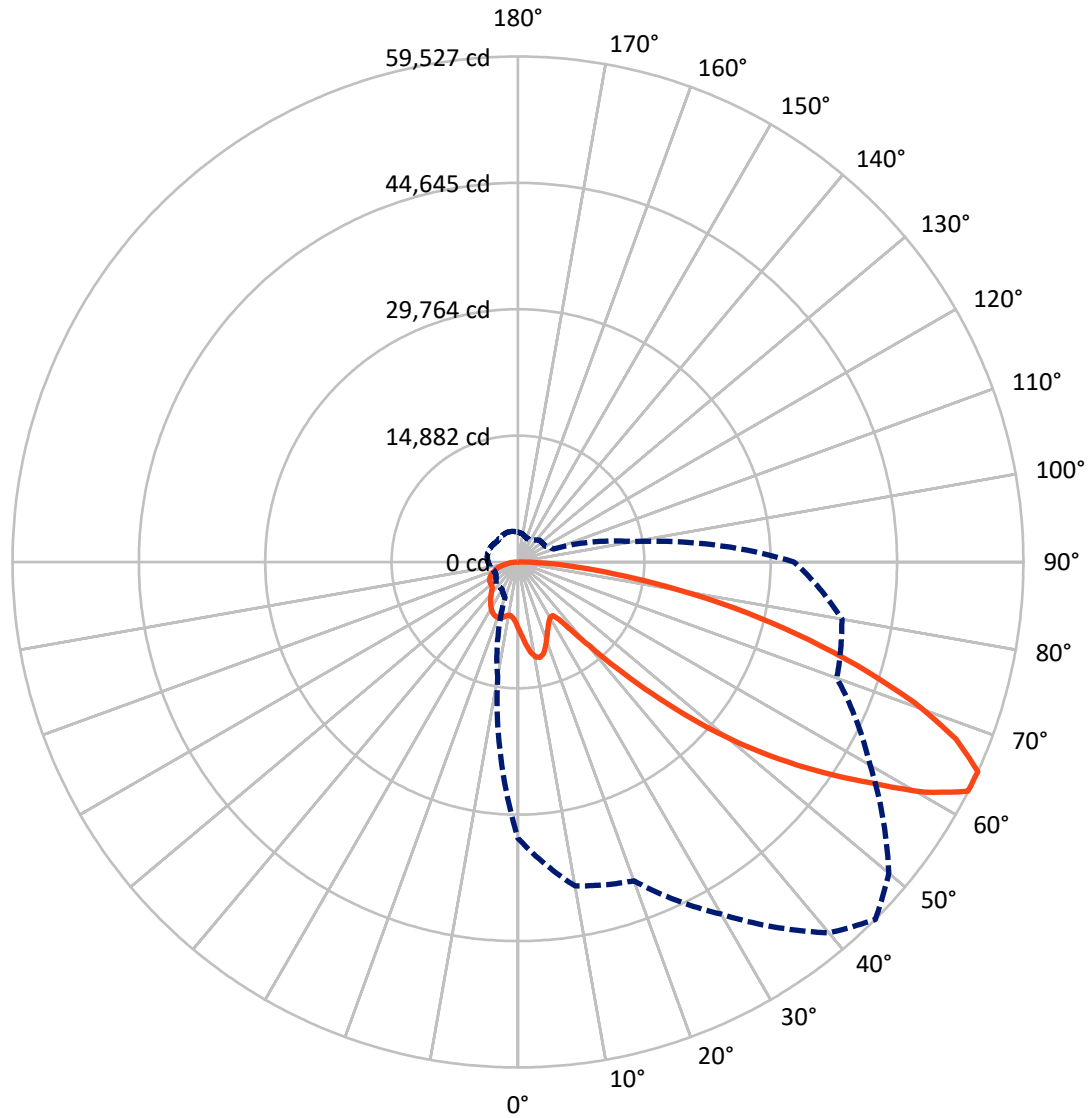
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.4 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	14495.9	0.0	14495.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	42541.1	0.0	42541.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	57037.0	0.0	57037.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	778.0	1.4
10°-20°	2442.4	4.3
20°-30°	3772.6	6.6
30°-40°	4780.9	8.4
40°-50°	7210.8	12.6
50°-60°	11650.1	20.4
60°-70°	14523.7	25.5
70°-80°	9523.9	16.7
80°-90°	2354.6	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°	57037.0	100.0
0°-180°	57037.0	100.0



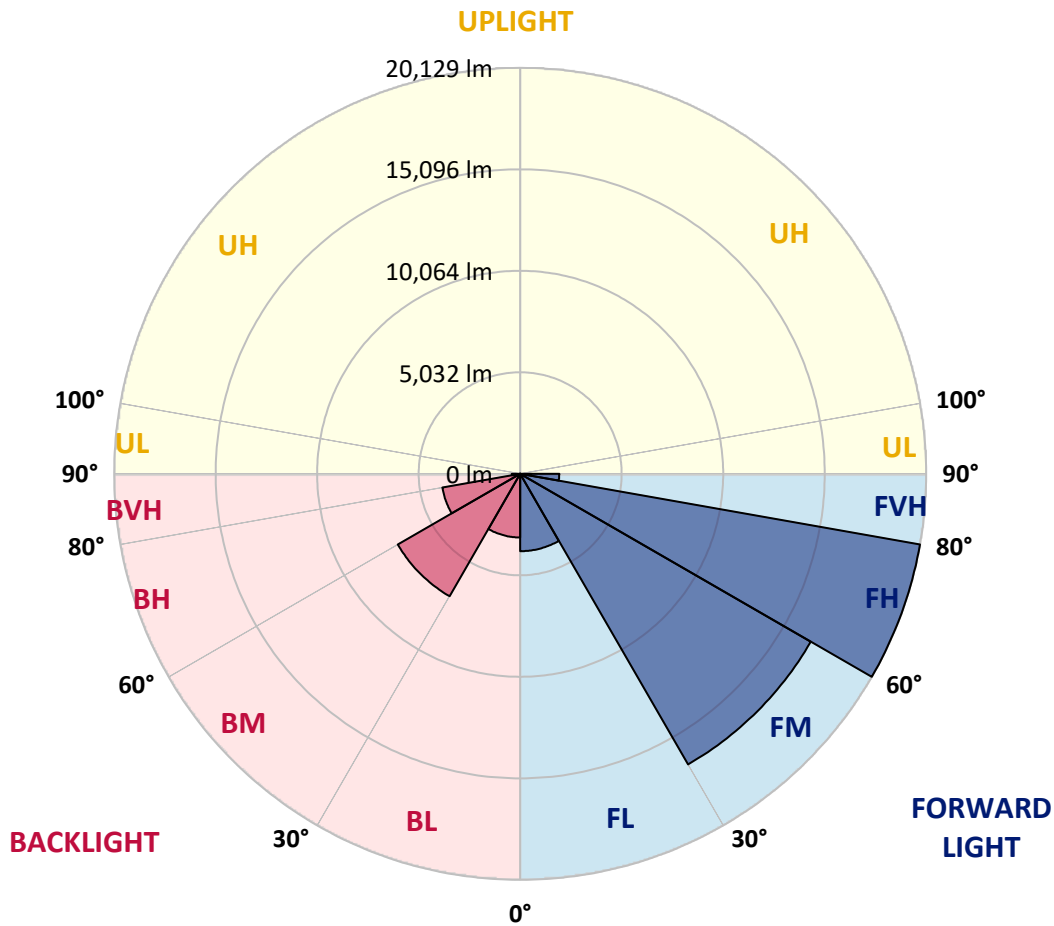
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3836.4	6.7			
FM (30°-60°)	16636.4	29.2			
FH (60°-80°)	20128.6	35.3			G5
FVH (80°-90°)	1939.6	3.4			G5
BL (0°-30°)	3156.7	5.5	B4/5000		
BM (30°-60°)	7005.3	12.3	B4/8500		
BH (60°-80°)	3919.0	6.9	B4/5000		G4/5000
BVH (80°-90°)	414.9	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°	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1
2.5°	8434.5	8466.4	8498.6	8544.0	8589.5	8616.6	8643.6	8657.2	8670.7	8664.7
5°	9069.5	9181.2	9293.1	9403.9	9514.9	9575.1	9635.3	9671.7	9708.4	9736.1
7.5°	9707.5	9889.3	10070.8	10234.2	10397.6	10496.1	10594.5	10647.7	10700.7	10726.3
10°	10196.6	10411.5	10626.4	10818.1	11009.8	11126.0	11241.5	11293.3	11344.8	11364.3
12.5°	10496.1	10729.0	10961.7	11135.0	11307.8	11392.0	11476.3	11504.6	11532.9	11535.9
15°	10678.1	10879.2	11079.9	11188.6	11297.5	11300.5	11303.5	11273.4	11243.4	11207.8
17.5°	10780.5	10916.2	11051.9	11054.0	11055.9	10934.0	10812.1	10700.4	10588.5	10509.6
20°	10893.3	10940.6	10988.1	10845.2	10702.2	10433.2	10164.1	9968.2	9772.2	9651.9
22.5°	11024.3	10962.3	10900.3	10604.1	10308.0	9912.2	9516.4	9271.4	9026.5	8893.4
25°	11192.8	10997.2	10801.5	10351.9	9902.3	9421.6	8941.0	8683.4	8426.3	8300.5
27.5°	11421.5	11071.8	10721.8	10126.2	9530.9	8998.2	8465.5	8212.1	7958.9	7840.1
30°	11730.0	11208.4	10687.2	9954.0	9220.9	8665.9	8110.9	7875.9	7640.8	7530.1
32.5°	12094.2	11380.0	10666.1	9836.7	9007.2	8485.6	7964.1	7779.6	7594.8	7515.0
35°	12536.6	11662.6	10788.9	9924.5	9060.5	8698.1	8336.1	8293.0	8250.0	8243.4
37.5°	13281.5	12253.4	11225.3	10439.8	9654.3	9630.8	9607.3	9804.1	10001.0	10103.3
40°	14407.1	13289.0	12170.9	11586.7	11002.6	11414.9	11827.2	12305.7	12784.3	13022.6
42.5°	15899.8	14790.5	13681.1	13344.7	13008.2	13907.5	14806.7	15677.1	16547.5	17058.5
45°	17743.2	16746.7	15750.0	15601.6	15452.9	16893.6	18334.6	19764.8	21195.3	22063.5
47.5°	20048.6	19079.2	18109.5	18079.4	18049.3	20127.8	22205.6	24299.4	26392.9	27622.3
50°	23070.3	21872.7	20675.5	20680.6	20685.7	23364.3	26042.9	28806.6	31570.3	33241.3
52.5°	26538.9	25088.8	23639.1	23492.5	23345.6	26545.2	29744.7	33164.2	36583.5	38586.4
55°	30231.7	28799.1	27366.5	26795.0	26223.5	29784.4	33345.1	37421.7	41498.2	43880.3
57.5°	33590.4	32810.3	32029.9	30883.6	29737.5	33333.1	36928.7	41546.0	46163.1	49117.1
60°	35620.4	36832.1	38044.0	36620.5	35196.9	38599.6	42002.3	46945.9	51889.5	55082.1
62.5°	34589.6	37900.5	41211.4	41051.0	40890.2	44007.3	47124.7	51828.1	56531.3	59482.2
65°	32526.5	35633.9	38741.4	39356.2	39970.8	43932.1	47893.6	52454.4	57014.9	59527.3
67.5°	29762.2	32717.6	35673.1	35961.4	36249.4	40376.8	44503.9	49084.2	53664.6	55632.9
70°	26441.0	29655.6	32870.5	32999.3	33128.4	36819.4	40510.1	44451.8	48393.2	49487.2
72.5°	22483.4	26172.3	29861.5	29954.2	30046.6	32934.3	35822.0	38774.2	41726.0	41836.8
75°	17476.9	21294.9	25112.9	25455.7	25798.5	28045.2	30291.9	32370.0	34448.2	33891.4
77.5°	12486.9	16050.9	19615.2	20105.8	20596.4	22304.3	24012.3	25486.1	26960.2	26003.1
80°	8172.6	11171.1	14169.3	14779.1	15388.8	16678.7	17968.1	18742.1	19515.9	17976.5
82.5°	4750.7	6800.5	8850.7	9531.8	10213.2	11101.0	11988.8	12311.8	12634.4	11424.5
85°	2090.2	3178.2	4266.1	4845.5	5424.8	6154.4	6883.6	7066.9	7250.2	6281.1
87.5°	647.1	1012.7	1378.4	1701.6	2024.9	2389.6	2754.4	2770.1	2785.4	2338.5
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°
7843.1	0°	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1
8670.7	2.5°	8657.2	8643.6	8616.6	8589.5	8544.0	8498.6	8466.4	8434.5	8369.8	8305.1
9708.4	5°	9671.7	9635.3	9575.1	9514.9	9403.9	9293.1	9181.2	9069.5	8926.5	8783.6
10700.7	7.5°	10647.7	10594.5	10496.1	10397.6	10234.2	10070.8	9889.3	9707.5	9471.6	9235.9
11344.8	10°	11293.3	11241.5	11126.0	11009.8	10818.1	10626.4	10411.5	10196.6	9898.4	9600.1
11532.9	12.5°	11504.6	11476.3	11392.0	11307.8	11135.0	10961.7	10729.0	10496.1	10168.3	9840.9
11243.4	15°	11273.4	11303.5	11300.5	11297.5	11188.6	11079.9	10879.2	10678.1	10336.6	9995.0
10588.5	17.5°	10700.4	10812.1	10934.0	11055.9	11054.0	11051.9	10916.2	10780.5	10434.1	10087.7
9772.2	20°	9968.2	10164.1	10433.2	10702.2	10845.2	10988.1	10940.6	10893.3	10533.4	10173.1
9026.5	22.5°	9271.4	9516.4	9912.2	10308.0	10604.1	10900.3	10962.3	11024.3	10656.5	10288.4
8426.3	25°	8683.4	8941.0	9421.6	9902.3	10351.9	10801.5	10997.2	11192.8	10832.2	10472.0
7958.9	27.5°	8212.1	8465.5	8998.2	9530.9	10126.2	10721.8	11071.8	11421.5	11077.8	10733.8
7640.8	30°	7875.9	8110.9	8665.9	9220.9	9954.0	10687.2	11208.4	11730.0	11397.7	11065.8
7594.8	32.5°	7779.6	7964.1	8485.6	9007.2	9836.7	10666.1	11380.0	12094.2	11765.2	11436.6
8250.0	35°	8293.0	8336.1	8698.1	9060.5	9924.5	10788.9	11662.6	12536.6	12221.8	11906.7
10001.0	37.5°	9804.1	9607.3	9630.8	9654.3	10439.8	11225.3	12253.4	13281.5	12880.0	12478.5
12784.3	40°	12305.7	11827.2	11414.9	11002.6	11586.7	12170.9	13289.0	14407.1	13822.0	13236.9
16547.5	42.5°	15677.1	14806.7	13907.5	13008.2	13344.7	13681.1	14790.5	15899.8	15055.3	14210.8
21195.3	45°	19764.8	18334.6	16893.6	15452.9	15601.6	15750.0	16746.7	17743.2	16604.1	15465.0
26392.9	47.5°	24299.4	22205.6	20127.8	18049.3	18079.4	18109.5	19079.2	20048.6	18445.4	16841.9
31570.3	50°	28806.6	26042.9	23364.3	20685.7	20680.6	20675.5	21872.7	23070.3	20653.2	18235.9
36583.5	52.5°	33164.2	29744.7	26545.2	23345.6	23492.5	23639.1	25088.8	26538.9	22972.5	19406.1
41498.2	55°	37421.7	33345.1	29784.4	26223.5	26795.0	27366.5	28799.1	30231.7	25028.6	19825.9
46163.1	57.5°	41546.0	36928.7	33333.1	29737.5	30883.6	32029.9	32810.3	33590.4	26485.9	19381.4
51889.5	60°	46945.9	42002.3	38599.6	35196.9	36620.5	38044.0	36832.1	35620.4	26850.1	18079.4
56531.3	62.5°	51828.1	47124.7	44007.3	40890.2	41051.0	41211.4	37900.5	34589.6	25316.7	16043.7
57014.9	65°	52454.4	47893.6	43932.1	39970.8	39356.2	38741.4	35633.9	32526.5	23147.0	13767.5
53664.6	67.5°	49084.2	44503.9	40376.8	36249.4	35961.4	35673.1	32717.6	29762.2	20565.1	11367.9
48393.2	70°	44451.8	40510.1	36819.4	33128.4	32999.3	32870.5	29655.6	26441.0	17747.7	9054.5
41726.0	72.5°	38774.2	35822.0	32934.3	30046.6	29954.2	29861.5	26172.3	22483.4	14693.6	6904.1
34448.2	75°	32370.0	30291.9	28045.2	25798.5	25455.7	25112.9	21294.9	17476.9	11192.5	4908.1
26960.2	77.5°	25486.1	24012.3	22304.3	20596.4	20105.8	19615.2	16050.9	12486.9	7833.7	3180.6
19515.9	80°	18742.1	17968.1	16678.7	15388.8	14779.1	14169.3	11171.1	8172.6	5047.1	1921.6
12634.4	82.5°	12311.8	11988.8	11101.0	10213.2	9531.8	8850.7	6800.5	4750.7	2921.1	1091.9
7250.2	85°	7066.9	6883.6	6154.4	5424.8	4845.5	4266.1	3178.2	2090.2	1314.0	538.1
2785.4	87.5°	2770.1	2754.4	2389.6	2024.9	1701.6	1378.4	1012.7	647.1	430.4	213.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7843.1	0°	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1
8236.1	2.5°	8167.5	8098.3	8029.1	7962.9	7896.7	7832.5	7761.2	7703.4	7645.9	7593.9
8640.9	5°	8498.6	8355.0	8211.8	8077.8	7943.9	7817.5	7692.6	7583.6	7474.4	7382.9
9018.0	7.5°	8800.1	8588.0	8375.8	8188.9	8002.0	7829.5	7667.9	7522.9	7378.1	7257.7
9312.1	10°	9024.4	8766.7	8508.8	8287.9	8066.4	7853.6	7680.0	7527.1	7374.2	7253.8
9514.6	12.5°	9188.4	8884.4	8580.4	8330.3	8080.2	7856.6	7695.0	7569.8	7445.2	7365.2
9641.0	15°	9287.1	8937.1	8587.1	8297.5	8008.0	7760.3	7630.9	7571.0	7511.4	7522.3
9701.5	17.5°	9315.4	8909.1	8502.8	8154.6	7806.4	7515.0	7435.3	7457.2	7478.9	7610.1
9748.8	20°	9324.4	8832.0	8339.7	7908.1	7476.5	7137.3	7116.3	7218.6	7320.9	7548.7
9812.6	22.5°	9336.5	8737.5	8138.6	7618.9	7099.1	6713.0	6754.2	6905.6	7057.0	7317.0
9928.1	25°	9384.0	8644.2	7904.8	7295.9	6687.4	6291.6	6403.0	6577.5	6752.1	6985.9
10108.7	27.5°	9483.3	8581.9	7680.6	7000.7	6320.8	5960.6	6096.0	6264.5	6433.1	6625.4
10342.6	30°	9619.4	8552.7	7485.5	6753.9	6022.3	5719.8	5826.0	5959.7	6093.9	6253.4
10586.7	32.5°	9736.7	8516.6	7295.9	6541.1	5786.0	5542.2	5589.5	5668.6	5747.8	5875.1
10864.7	35°	9822.8	8448.6	7075.0	6331.9	5588.9	5385.7	5366.2	5387.8	5409.8	5507.0
11176.2	37.5°	9874.0	8332.1	6790.3	6085.8	5381.2	5203.6	5132.0	5107.9	5083.9	5153.7
11571.7	40°	9906.2	8171.7	6437.6	5792.0	5146.5	4985.4	4875.6	4821.1	4766.6	4816.9
12089.1	42.5°	9967.3	8006.2	6045.7	5467.9	4890.0	4741.7	4603.2	4531.0	4458.8	4499.7
12769.8	45°	10074.7	7852.4	5630.4	5123.6	4616.8	4466.3	4332.4	4261.9	4191.8	4226.1
13495.2	47.5°	10148.5	7725.4	5302.4	4851.2	4400.1	4205.9	4090.7	4031.7	3972.7	4005.2
14168.1	50°	10100.3	7587.0	5073.6	4670.3	4267.0	4011.8	3877.9	3825.5	3773.5	3824.0
14605.1	52.5°	9803.8	7353.1	4902.7	4551.2	4199.9	3906.5	3719.3	3667.5	3616.1	3692.2
14508.8	55°	9191.4	6965.5	4739.6	4464.8	4190.0	3917.0	3635.0	3553.2	3471.6	3579.6
13831.0	57.5°	8281.0	6418.9	4556.6	4362.4	4168.3	3927.6	3584.5	3465.3	3346.1	3462.3
12569.7	60°	7060.0	5709.3	4358.5	4205.9	4053.4	3894.5	3536.9	3382.5	3227.8	3329.8
10864.1	62.5°	5684.6	4859.9	4035.3	3933.9	3832.8	3813.2	3481.5	3288.3	3095.4	3160.1
9124.0	65°	4480.7	4095.8	3710.9	3663.0	3615.2	3617.6	3364.8	3159.5	2953.9	2978.9
7419.3	67.5°	3470.7	3361.4	3251.9	3278.7	3305.2	3298.5	3156.5	2985.5	2814.6	2806.8
5841.7	70°	2628.9	2660.2	2691.2	2815.2	2938.9	2938.9	2892.2	2770.7	2649.1	2622.0
4466.0	72.5°	2027.9	2122.1	2216.6	2392.3	2567.8	2597.3	2597.9	2514.5	2431.2	2391.4
3241.4	75°	1574.6	1660.1	1745.6	1942.4	2139.2	2275.3	2263.8	2199.7	2135.3	2097.4
2196.4	77.5°	1212.3	1270.4	1328.7	1519.9	1711.0	1935.2	1929.2	1877.7	1826.2	1787.7
1415.1	80°	908.9	933.0	957.1	1119.0	1280.6	1548.5	1547.5	1504.5	1461.2	1429.0
870.4	82.5°	649.5	653.7	658.5	777.7	896.9	1125.6	1138.2	1117.2	1096.1	1073.2
465.3	85°	392.8	390.6	388.2	475.5	562.8	732.8	749.4	726.8	704.3	678.7
192.9	87.5°	172.2	170.0	167.9	203.5	239.3	310.0	331.1	322.0	313.0	308.2
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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 CATALOG NUMBER: GALN-SB8D-930-U-SLL

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
7843.1	0°	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1
7542.1	2.5°	7496.7	7451.2	7405.5	7360.0	7324.8	7289.3	7260.7	7232.1	7209.9	7187.6
7291.7	5°	7211.1	7130.4	7057.3	6983.8	6927.6	6871.0	6831.5	6792.1	6764.1	6736.1
7137.3	7.5°	7035.9	6934.2	6844.5	6755.1	6688.0	6621.2	6574.2	6527.3	6495.1	6463.2
7133.4	10°	7024.2	6914.6	6813.8	6713.0	6632.9	6552.6	6500.2	6447.2	6416.8	6386.4
7285.7	12.5°	7199.6	7114.1	7009.7	6905.6	6803.3	6700.9	6633.2	6565.5	6531.5	6497.8
7533.1	15°	7510.8	7488.5	7398.0	7307.4	7161.7	7016.0	6913.1	6810.2	6762.9	6716.0
7741.4	17.5°	7811.2	7880.7	7807.6	7734.7	7541.8	7348.9	7197.2	7045.5	6975.7	6905.6
7776.9	20°	7922.8	8068.8	8035.1	8001.1	7780.5	7560.2	7374.2	7188.5	7099.1	7009.4
7577.6	22.5°	7767.5	7957.4	7977.9	7998.1	7787.4	7576.7	7385.3	7193.6	7099.4	7004.9
7220.1	25°	7407.0	7593.9	7663.7	7733.2	7560.5	7388.0	7217.7	7047.9	6966.1	6884.5
6817.4	27.5°	6967.3	7117.2	7194.8	7272.8	7149.7	7026.9	6894.7	6762.6	6707.8	6652.8
6412.9	30°	6537.2	6661.8	6725.0	6788.2	6694.6	6600.7	6506.2	6411.1	6383.1	6354.8
6002.7	32.5°	6121.9	6241.4	6311.5	6381.9	6295.8	6209.5	6133.9	6058.4	6040.0	6021.7
5603.9	35°	5721.9	5840.2	5924.4	6008.7	5947.3	5886.2	5816.4	5746.9	5718.9	5691.2
5223.2	37.5°	5340.9	5458.9	5563.0	5667.1	5638.8	5610.5	5546.4	5482.0	5431.2	5380.6
4867.2	40°	4980.9	5094.7	5214.5	5334.6	5341.5	5348.1	5293.6	5239.2	5165.1	5091.7
4540.9	42.5°	4648.7	4756.7	4886.1	5015.5	5050.1	5084.8	5038.7	4993.0	4901.2	4809.4
4261.0	45°	4363.4	4465.7	4599.9	4734.1	4783.8	4833.5	4791.9	4750.7	4645.7	4540.9
4037.4	47.5°	4137.6	4237.5	4370.0	4502.4	4559.6	4616.8	4587.9	4559.0	4465.7	4372.4
3874.9	50°	3969.4	4063.6	4182.2	4300.8	4374.2	4447.6	4445.8	4444.6	4370.0	4295.3
3768.0	52.5°	3854.7	3941.1	4051.6	4162.3	4249.3	4336.3	4351.9	4367.6	4306.8	4246.0
3687.4	55°	3780.7	3874.0	3970.9	4067.5	4159.6	4252.0	4273.7	4295.3	4242.4	4189.4
3578.4	57.5°	3688.0	3797.5	3893.2	3989.3	4082.3	4174.9	4196.9	4218.9	4165.3	4111.7
3431.6	60°	3557.4	3683.2	3780.4	3877.9	3971.2	4064.5	4088.6	4112.7	4060.3	4008.2
3224.8	62.5°	3371.4	3518.2	3622.1	3725.9	3811.4	3896.9	3920.0	3943.2	3896.0	3848.7
3003.6	65°	3160.7	3318.1	3417.4	3516.7	3592.0	3667.2	3691.0	3714.5	3669.0	3623.6
2798.9	67.5°	2944.0	3089.4	3183.6	3277.5	3342.5	3407.5	3430.7	3453.5	3411.7	3370.2
2594.9	70°	2722.5	2850.1	2931.4	3012.6	3071.3	3130.0	3152.3	3174.6	3140.5	3106.5
2352.0	72.5°	2452.5	2552.8	2626.2	2699.6	2757.1	2814.6	2841.1	2867.6	2839.3	2811.0
2059.2	75°	2133.8	2208.5	2275.0	2341.5	2393.9	2446.2	2473.9	2501.6	2487.8	2473.9
1749.2	77.5°	1810.0	1870.5	1927.7	1984.8	2039.9	2094.7	2120.6	2146.5	2127.2	2107.3
1396.5	80°	1447.0	1497.3	1545.4	1593.6	1635.4	1677.0	1711.3	1745.6	1737.2	1729.0
1050.4	82.5°	1046.1	1041.9	1025.1	1008.2	1097.3	1186.4	1244.8	1303.2	1299.6	1295.6
653.1	85°	631.4	609.4	562.8	516.2	599.5	683.2	755.4	827.6	821.6	815.6
303.4	87.5°	302.5	301.6	266.1	230.2	265.1	300.4	329.6	358.7	351.5	343.7
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°
7843.1	0°	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1
7167.1	2.5°	7146.4	7120.8	7146.4	7167.1	7187.6	7209.9	7232.1	7260.7	7289.3	7324.8
6714.8	5°	6693.4	6672.3	6693.4	6714.8	6736.1	6764.1	6792.1	6831.5	6871.0	6927.6
6443.9	7.5°	6424.9	6410.5	6424.9	6443.9	6463.2	6495.1	6527.3	6574.2	6621.2	6688.0
6370.2	10°	6353.9	6347.3	6353.9	6370.2	6386.4	6416.8	6447.2	6500.2	6552.6	6632.9
6483.9	12.5°	6470.1	6467.7	6470.1	6483.9	6497.8	6531.5	6565.5	6633.2	6700.9	6803.3
6697.9	15°	6679.9	6678.4	6679.9	6697.9	6716.0	6762.9	6810.2	6913.1	7016.0	7161.7
6882.7	17.5°	6859.5	6855.9	6859.5	6882.7	6905.6	6975.7	7045.5	7197.2	7348.9	7541.8
6980.8	20°	6952.2	6943.2	6952.2	6980.8	7009.4	7099.1	7188.5	7374.2	7560.2	7780.5
6973.3	22.5°	6941.7	6928.2	6941.7	6973.3	7004.9	7099.4	7193.6	7385.3	7576.7	7787.4
6854.7	25°	6825.2	6807.8	6825.2	6854.7	6884.5	6966.1	7047.9	7217.7	7388.0	7560.5
6639.2	27.5°	6625.7	6621.2	6625.7	6639.2	6652.8	6707.8	6762.6	6894.7	7026.9	7149.7
6354.8	30°	6354.8	6359.3	6354.8	6354.8	6354.8	6383.1	6411.1	6506.2	6600.7	6694.6
6024.1	32.5°	6026.8	6031.3	6026.8	6024.1	6021.7	6040.0	6058.4	6133.9	6209.5	6295.8
5685.2	35°	5679.2	5676.1	5679.2	5685.2	5691.2	5718.9	5746.9	5816.4	5886.2	5947.3
5353.8	37.5°	5327.0	5312.0	5327.0	5353.8	5380.6	5431.2	5482.0	5546.4	5610.5	5638.8
5041.7	40°	4992.4	4962.9	4992.4	5041.7	5091.7	5165.1	5239.2	5293.6	5348.1	5341.5
4736.8	42.5°	4664.3	4616.8	4664.3	4736.8	4809.4	4901.2	4993.0	5038.7	5084.8	5050.1
4455.7	45°	4370.6	4315.8	4370.6	4455.7	4540.9	4645.7	4750.7	4791.9	4833.5	4783.8
4293.5	47.5°	4215.0	4162.3	4215.0	4293.5	4372.4	4465.7	4559.0	4587.9	4616.8	4559.6
4222.5	50°	4149.7	4099.1	4149.7	4222.5	4295.3	4370.0	4444.6	4445.8	4447.6	4374.2
4180.7	52.5°	4115.7	4069.0	4115.7	4180.7	4246.0	4306.8	4367.6	4351.9	4336.3	4249.3
4132.2	55°	4075.0	4032.9	4075.0	4132.2	4189.4	4242.4	4295.3	4273.7	4252.0	4159.6
4055.2	57.5°	3998.3	3954.6	3998.3	4055.2	4111.7	4165.3	4218.9	4196.9	4174.9	4082.3
3949.8	60°	3891.4	3846.3	3891.4	3949.8	4008.2	4060.3	4112.7	4088.6	4064.5	3971.2
3787.3	62.5°	3725.9	3671.7	3725.9	3787.3	3848.7	3896.0	3943.2	3920.0	3896.9	3811.4
3564.0	65°	3504.7	3458.1	3504.7	3564.0	3623.6	3669.0	3714.5	3691.0	3667.2	3592.0
3314.8	67.5°	3259.4	3217.3	3259.4	3314.8	3370.2	3411.7	3453.5	3430.7	3407.5	3342.5
3053.6	70°	3000.6	2952.4	3000.6	3053.6	3106.5	3140.5	3174.6	3152.3	3130.0	3071.3
2760.4	72.5°	2710.2	2663.5	2710.2	2760.4	2811.0	2839.3	2867.6	2841.1	2814.6	2757.1
2431.5	75°	2389.0	2344.5	2389.0	2431.5	2473.9	2487.8	2501.6	2473.9	2446.2	2393.9
2064.6	77.5°	2021.9	1986.4	2021.9	2064.6	2107.3	2127.2	2146.5	2120.6	2094.7	2039.9
1671.5	80°	1613.8	1546.9	1613.8	1671.5	1729.0	1737.2	1745.6	1711.3	1677.0	1635.4
1247.2	82.5°	1198.4	1155.7	1198.4	1247.2	1295.6	1299.6	1303.2	1244.8	1186.4	1097.3
777.7	85°	739.8	701.2	739.8	777.7	815.6	821.6	827.6	755.4	683.2	599.5
324.4	87.5°	304.6	285.9	304.6	324.4	343.7	351.5	358.7	329.6	300.4	265.1
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°
7843.1	0°	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1
7360.0	2.5°	7405.5	7451.2	7496.7	7542.1	7593.9	7645.9	7703.4	7761.2	7832.5	7896.7
6983.8	5°	7057.3	7130.4	7211.1	7291.7	7382.9	7474.4	7583.6	7692.6	7817.5	7943.9
6755.1	7.5°	6844.5	6934.2	7035.9	7137.3	7257.7	7378.1	7522.9	7667.9	7829.5	8002.0
6713.0	10°	6813.8	6914.6	7024.2	7133.4	7253.8	7374.2	7527.1	7680.0	7853.6	8066.4
6905.6	12.5°	7009.7	7114.1	7199.6	7285.7	7365.2	7445.2	7569.8	7695.0	7856.6	8080.2
7307.4	15°	7398.0	7488.5	7510.8	7533.1	7522.3	7511.4	7571.0	7630.9	7760.3	8008.0
7734.7	17.5°	7807.6	7880.7	7811.2	7741.4	7610.1	7478.9	7457.2	7435.3	7515.0	7806.4
8001.1	20°	8035.1	8068.8	7922.8	7776.9	7548.7	7320.9	7218.6	7116.3	7137.3	7476.5
7998.1	22.5°	7977.9	7957.4	7767.5	7577.6	7317.0	7057.0	6905.6	6754.2	6713.0	7099.1
7733.2	25°	7663.7	7593.9	7407.0	7220.1	6985.9	6752.1	6577.5	6403.0	6291.6	6687.4
7272.8	27.5°	7194.8	7117.2	6967.3	6817.4	6625.4	6433.1	6264.5	6096.0	5960.6	6320.8
6788.2	30°	6725.0	6661.8	6537.2	6412.9	6253.4	6093.9	5959.7	5826.0	5719.8	6022.3
6381.9	32.5°	6311.5	6241.4	6121.9	6002.7	5875.1	5747.8	5668.6	5589.5	5542.2	5786.0
6008.7	35°	5924.4	5840.2	5721.9	5603.9	5507.0	5409.8	5387.8	5366.2	5385.7	5588.9
5667.1	37.5°	5563.0	5458.9	5340.9	5223.2	5153.7	5083.9	5107.9	5132.0	5203.6	5381.2
5334.6	40°	5214.5	5094.7	4980.9	4867.2	4816.9	4766.6	4821.1	4875.6	4985.4	5146.5
5015.5	42.5°	4886.1	4756.7	4648.7	4540.9	4499.7	4458.8	4531.0	4603.2	4741.7	4890.0
4734.1	45°	4599.9	4465.7	4363.4	4261.0	4226.1	4191.8	4261.9	4332.4	4466.3	4616.8
4502.4	47.5°	4370.0	4237.5	4137.6	4037.4	4005.2	3972.7	4031.7	4090.7	4205.9	4400.1
4300.8	50°	4182.2	4063.6	3969.4	3874.9	3824.0	3773.5	3825.5	3877.9	4011.8	4267.0
4162.3	52.5°	4051.6	3941.1	3854.7	3768.0	3692.2	3616.1	3667.5	3719.3	3906.5	4199.9
4067.5	55°	3970.9	3874.0	3780.7	3687.4	3579.6	3471.6	3553.2	3635.0	3917.0	4190.0
3989.3	57.5°	3893.2	3797.5	3688.0	3578.4	3462.3	3346.1	3465.3	3584.5	3927.6	4168.3
3877.9	60°	3780.4	3683.2	3557.4	3431.6	3329.8	3227.8	3382.5	3536.9	3894.5	4053.4
3725.9	62.5°	3622.1	3518.2	3371.4	3224.8	3160.1	3095.4	3288.3	3481.5	3813.2	3832.8
3516.7	65°	3417.4	3318.1	3160.7	3003.6	2978.9	2953.9	3159.5	3364.8	3617.6	3615.2
3277.5	67.5°	3183.6	3089.4	2944.0	2798.9	2806.8	2814.6	2985.5	3156.5	3298.5	3305.2
3012.6	70°	2931.4	2850.1	2722.5	2594.9	2622.0	2649.1	2770.7	2892.2	2938.9	2938.9
2699.6	72.5°	2626.2	2552.8	2452.5	2352.0	2391.4	2431.2	2514.5	2597.9	2597.3	2567.8
2341.5	75°	2275.0	2208.5	2133.8	2059.2	2097.4	2135.3	2199.7	2263.8	2275.3	2139.2
1984.8	77.5°	1927.7	1870.5	1810.0	1749.2	1787.7	1826.2	1877.7	1929.2	1935.2	1711.0
1593.6	80°	1545.4	1497.3	1447.0	1396.5	1429.0	1461.2	1504.5	1547.5	1548.5	1280.6
1008.2	82.5°	1025.1	1041.9	1046.1	1050.4	1073.2	1096.1	1117.2	1138.2	1125.6	896.9
516.2	85°	562.8	609.4	631.4	653.1	678.7	704.3	726.8	749.4	732.8	562.8
230.2	87.5°	266.1	301.6	302.5	303.4	308.2	313.0	322.0	331.1	310.0	239.3
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):

325°		330°	335°	340°	345°	350°	355°	360°
7843.1	0°	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1	7843.1
7962.9	2.5°	8029.1	8098.3	8167.5	8236.1	8305.1	8369.8	8434.5
8077.8	5°	8211.8	8355.0	8498.6	8640.9	8783.6	8926.5	9069.5
8188.9	7.5°	8375.8	8588.0	8800.1	9018.0	9235.9	9471.6	9707.5
8287.9	10°	8508.8	8766.7	9024.4	9312.1	9600.1	9898.4	10196.6
8330.3	12.5°	8580.4	8884.4	9188.4	9514.6	9840.9	10168.3	10496.1
8297.5	15°	8587.1	8937.1	9287.1	9641.0	9995.0	10336.6	10678.1
8154.6	17.5°	8502.8	8909.1	9315.4	9701.5	10087.7	10434.1	10780.5
7908.1	20°	8339.7	8832.0	9324.4	9748.8	10173.1	10533.4	10893.3
7618.9	22.5°	8138.6	8737.5	9336.5	9812.6	10288.4	10656.5	11024.3
7295.9	25°	7904.8	8644.2	9384.0	9928.1	10472.0	10832.2	11192.8
7000.7	27.5°	7680.6	8581.9	9483.3	10108.7	10733.8	11077.8	11421.5
6753.9	30°	7485.5	8552.7	9619.4	10342.6	11065.8	11397.7	11730.0
6541.1	32.5°	7295.9	8516.6	9736.7	10586.7	11436.6	11765.2	12094.2
6331.9	35°	7075.0	8448.6	9822.8	10864.7	11906.7	12221.8	12536.6
6085.8	37.5°	6790.3	8332.1	9874.0	11176.2	12478.5	12880.0	13281.5
5792.0	40°	6437.6	8171.7	9906.2	11571.7	13236.9	13822.0	14407.1
5467.9	42.5°	6045.7	8006.2	9967.3	12089.1	14210.8	15055.3	15899.8
5123.6	45°	5630.4	7852.4	10074.7	12769.8	15465.0	16604.1	17743.2
4851.2	47.5°	5302.4	7725.4	10148.5	13495.2	16841.9	18445.4	20048.6
4670.3	50°	5073.6	7587.0	10100.3	14168.1	18235.9	20653.2	23070.3
4551.2	52.5°	4902.7	7353.1	9803.8	14605.1	19406.1	22972.5	26538.9
4464.8	55°	4739.6	6965.5	9191.4	14508.8	19825.9	25028.6	30231.7
4362.4	57.5°	4556.6	6418.9	8281.0	13831.0	19381.4	26485.9	33590.4
4205.9	60°	4358.5	5709.3	7060.0	12569.7	18079.4	26850.1	35620.4
3933.9	62.5°	4035.3	4859.9	5684.6	10864.1	16043.7	25316.7	34589.6
3663.0	65°	3710.9	4095.8	4480.7	9124.0	13767.5	23147.0	32526.5
3278.7	67.5°	3251.9	3361.4	3470.7	7419.3	11367.9	20565.1	29762.2
2815.2	70°	2691.2	2660.2	2628.9	5841.7	9054.5	17747.7	26441.0
2392.3	72.5°	2216.6	2122.1	2027.9	4466.0	6904.1	14693.6	22483.4
1942.4	75°	1745.6	1660.1	1574.6	3241.4	4908.1	11192.5	17476.9
1519.9	77.5°	1328.7	1270.4	1212.3	2196.4	3180.6	7833.7	12486.9
1119.0	80°	957.1	933.0	908.9	1415.1	1921.6	5047.1	8172.6
777.7	82.5°	658.5	653.7	649.5	870.4	1091.9	2921.1	4750.7
475.5	85°	388.2	390.6	392.8	465.3	538.1	1314.0	2090.2
203.5	87.5°	167.9	170.0	172.2	192.9	213.7	430.4	647.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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