

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: P950531

Luminaire Tested: **GALN-SB4D-950-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950531  
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-950-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

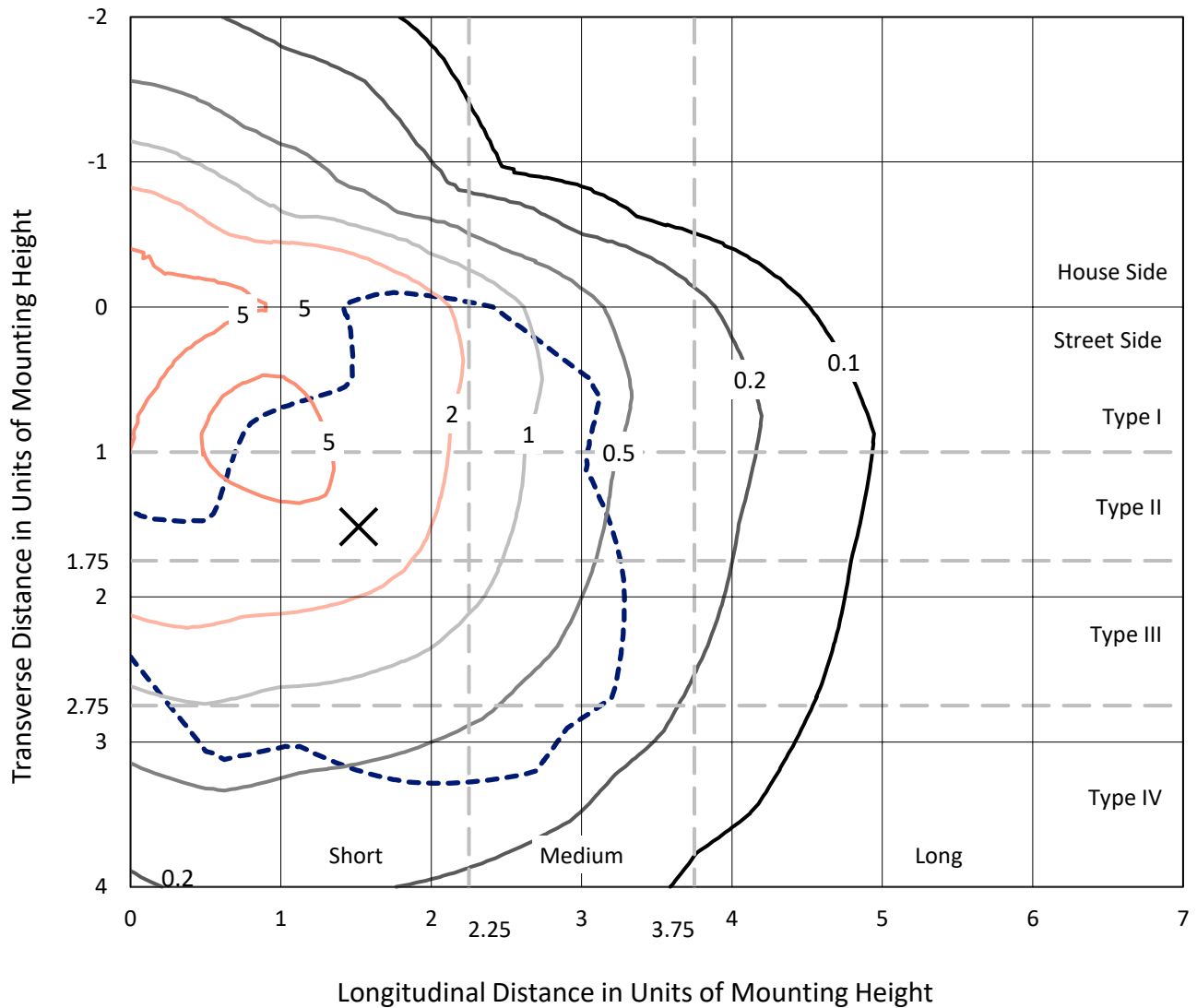
Lumens per Lamp: N/A  
Luminaire Lumens: 28269 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

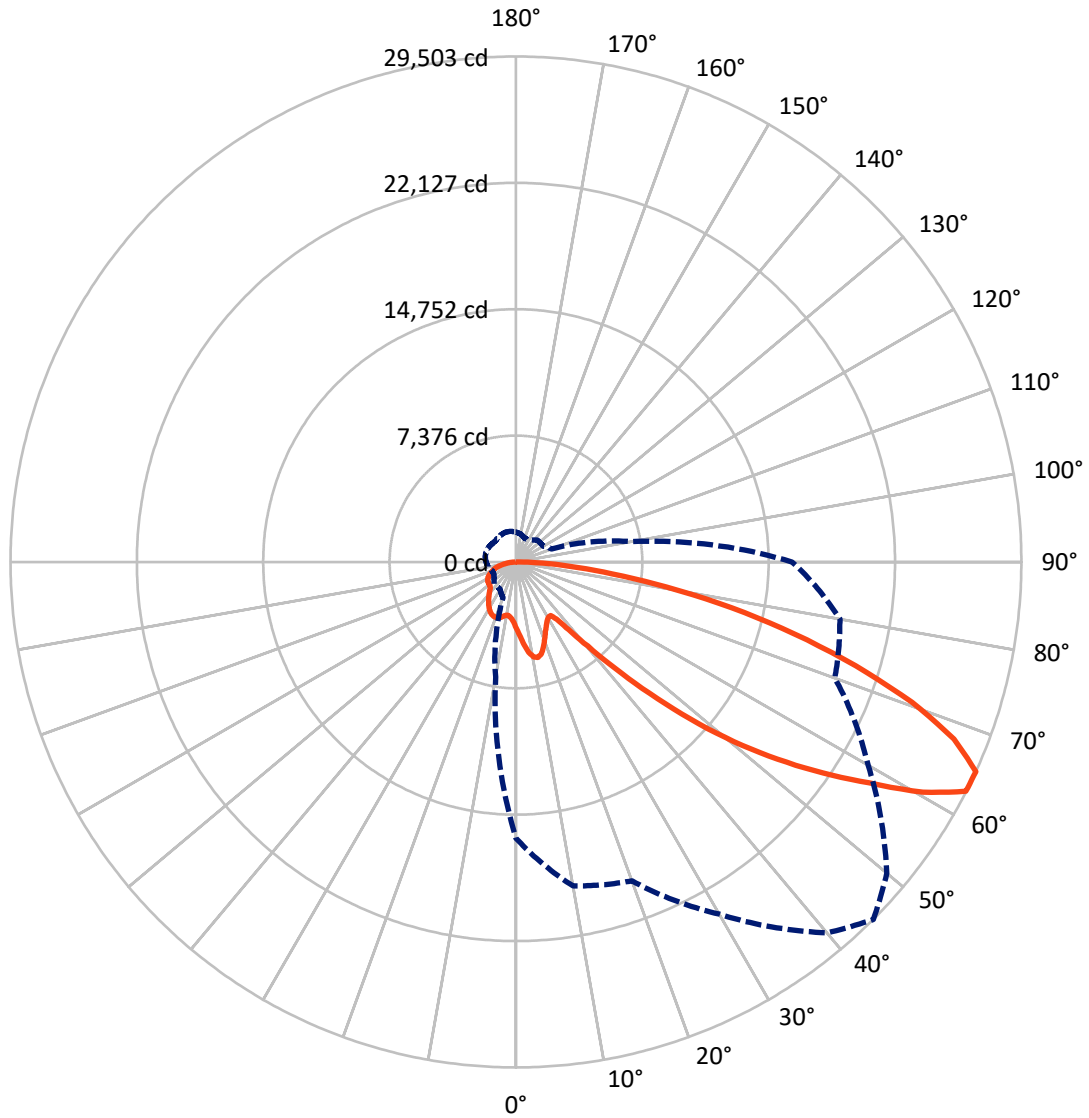
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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
<b>House Side</b>	Lumens	7184.6	0.0	7184.6
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	21084.4	0.0	21084.4
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	28269.0	0.0	28269.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	385.6	1.4
10°-20°	1210.5	4.3
20°-30°	1869.8	6.6
30°-40°	2369.5	8.4
40°-50°	3573.9	12.6
50°-60°	5774.1	20.4
60°-70°	7198.3	25.5
70°-80°	4720.3	16.7
80°-90°	1167.0	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°	28269.0	100.0
0°-180°	28269.0	100.0

**Coefficient of Utilization**



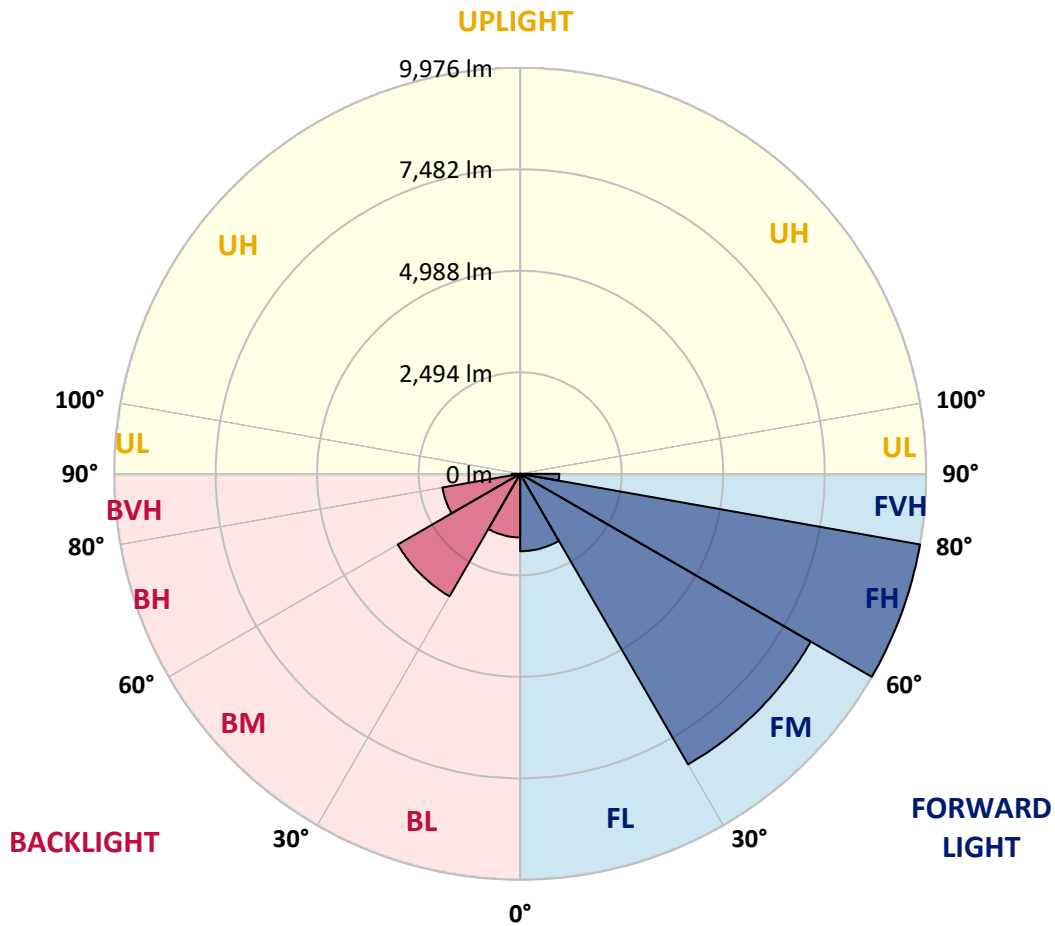
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 CATALOG NUMBER: GALN-SB4D-950-U-SLL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1901.4	6.7			
FM (30°-60°)	8245.5	29.2			
FH (60°-80°)	9976.2	35.3			G4/12000
FVH (80°-90°)	961.3	3.4			G5
BL (0°-30°)	1564.5	5.5	B3/2500		
BM (30°-60°)	3472.0	12.3	B3/5000		
BH (60°-80°)	1942.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	205.6	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°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
2.5°	4180.3	4196.2	4212.1	4234.6	4257.2	4270.6	4284.0	4290.7	4297.4	4294.5
5°	4495.1	4550.4	4605.9	4660.8	4715.8	4745.7	4775.5	4793.6	4811.8	4825.5
7.5°	4811.3	4901.4	4991.3	5072.3	5153.3	5202.1	5250.9	5277.3	5303.5	5316.2
10°	5053.7	5160.2	5266.7	5361.7	5456.7	5514.3	5571.6	5597.3	5622.8	5632.5
12.5°	5202.1	5317.6	5432.9	5518.8	5604.4	5646.2	5687.9	5702.0	5716.0	5717.5
15°	5292.4	5392.0	5491.5	5545.3	5599.3	5600.8	5602.3	5587.4	5572.5	5554.9
17.5°	5343.1	5410.4	5477.6	5478.7	5479.6	5419.2	5358.7	5303.4	5247.9	5208.8
20°	5399.0	5422.4	5446.0	5375.1	5304.3	5170.9	5037.6	4940.5	4843.4	4783.7
22.5°	5463.9	5433.2	5402.4	5255.7	5108.9	4912.7	4716.6	4595.2	4473.7	4407.8
25°	5547.4	5450.5	5353.5	5130.7	4907.8	4669.6	4431.4	4303.7	4176.3	4114.0
27.5°	5660.8	5487.5	5314.0	5018.8	4723.7	4459.7	4195.7	4070.1	3944.7	3885.7
30°	5813.7	5555.2	5296.8	4933.5	4570.1	4295.0	4020.0	3903.5	3787.0	3732.1
32.5°	5994.2	5640.2	5286.4	4875.3	4464.2	4205.7	3947.2	3855.8	3764.2	3724.6
35°	6213.5	5780.3	5347.3	4918.9	4490.6	4311.0	4131.6	4110.2	4088.9	4085.6
37.5°	6582.6	6073.1	5563.5	5174.2	4784.9	4773.3	4761.6	4859.2	4956.7	5007.5
40°	7140.5	6586.4	6032.2	5742.7	5453.2	5657.5	5861.9	6099.0	6336.2	6454.4
42.5°	7880.4	7330.5	6780.7	6614.0	6447.2	6892.9	7338.6	7770.0	8201.4	8454.7
45°	8794.0	8300.1	7806.1	7732.5	7658.9	8372.9	9087.1	9795.9	10504.9	10935.3
47.5°	9936.6	9456.1	8975.5	8960.6	8945.7	9975.8	11005.7	12043.4	13081.0	13690.3
50°	11434.2	10840.7	10247.3	10249.8	10252.4	11580.0	12907.5	14277.3	15647.1	16475.2
52.5°	13153.3	12434.7	11716.1	11643.5	11570.7	13156.5	14742.2	16437.1	18131.7	19124.4
55°	14983.6	14273.6	13563.5	13280.3	12997.0	14761.9	16526.7	18547.1	20567.6	21748.2
57.5°	16648.3	16261.6	15874.8	15306.7	14738.7	16520.7	18302.8	20591.3	22879.6	24343.7
60°	17654.4	18254.9	18855.6	18150.1	17444.5	19131.0	20817.4	23267.6	25717.8	27300.1
62.5°	17143.5	18784.5	20425.4	20345.9	20266.3	21811.2	23356.2	25687.3	28018.3	29480.9
65°	16121.0	17661.1	19201.2	19506.0	19810.6	21773.9	23737.3	25997.8	28258.1	29503.3
67.5°	14750.9	16215.7	17680.5	17823.4	17966.1	20011.8	22057.3	24327.4	26597.6	27573.1
70°	13104.9	14698.1	16291.5	16355.3	16419.3	18248.7	20077.9	22031.5	23984.9	24527.1
72.5°	11143.3	12971.7	14800.1	14846.1	14891.9	16323.1	17754.3	19217.5	20680.5	20735.4
75°	8662.0	10554.3	12446.6	12616.5	12786.4	13899.9	15013.4	16043.4	17073.4	16797.4
77.5°	6188.8	7955.2	9721.8	9964.9	10208.1	11054.6	11901.1	12631.6	13362.2	12887.8
80°	4050.6	5536.7	7022.7	7324.9	7627.1	8266.4	8905.4	9289.1	9672.6	8909.6
82.5°	2354.6	3370.5	4386.6	4724.2	5061.9	5501.9	5942.0	6102.0	6261.9	5662.3
85°	1035.9	1575.2	2114.4	2401.6	2688.7	3050.3	3411.7	3502.5	3593.4	3113.1
87.5°	320.7	501.9	683.2	843.4	1003.6	1184.4	1365.2	1372.9	1380.5	1159.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950531  
 CATALOG NUMBER: GALN-SB4D-950-U-SLL

**CANDELA DISTRIBUTION (continued):**

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
4297.4	2.5°	4290.7	4284.0	4270.6	4257.2	4234.6	4212.1	4196.2	4180.3	4148.3	4116.2
4811.8	5°	4793.6	4775.5	4745.7	4715.8	4660.8	4605.9	4550.4	4495.1	4424.2	4353.4
5303.5	7.5°	5277.3	5250.9	5202.1	5153.3	5072.3	4991.3	4901.4	4811.3	4694.4	4577.6
5622.8	10°	5597.3	5571.6	5514.3	5456.7	5361.7	5266.7	5160.2	5053.7	4905.9	4758.1
5716.0	12.5°	5702.0	5687.9	5646.2	5604.4	5518.8	5432.9	5317.6	5202.1	5039.7	4877.4
5572.5	15°	5587.4	5602.3	5600.8	5599.3	5545.3	5491.5	5392.0	5292.4	5123.1	4953.8
5247.9	17.5°	5303.4	5358.7	5419.2	5479.6	5478.7	5477.6	5410.4	5343.1	5171.4	4999.7
4843.4	20°	4940.5	5037.6	5170.9	5304.3	5375.1	5446.0	5422.4	5399.0	5220.6	5042.1
4473.7	22.5°	4595.2	4716.6	4912.7	5108.9	5255.7	5402.4	5433.2	5463.9	5281.6	5099.2
4176.3	25°	4303.7	4431.4	4669.6	4907.8	5130.7	5353.5	5450.5	5547.4	5368.7	5190.2
3944.7	27.5°	4070.1	4195.7	4459.7	4723.7	5018.8	5314.0	5487.5	5660.8	5490.5	5320.0
3787.0	30°	3903.5	4020.0	4295.0	4570.1	4933.5	5296.8	5555.2	5813.7	5649.0	5484.5
3764.2	32.5°	3855.8	3947.2	4205.7	4464.2	4875.3	5286.4	5640.2	5994.2	5831.1	5668.3
4088.9	35°	4110.2	4131.6	4311.0	4490.6	4918.9	5347.3	5780.3	6213.5	6057.4	5901.3
4956.7	37.5°	4859.2	4761.6	4773.3	4784.9	5174.2	5563.5	6073.1	6582.6	6383.7	6184.7
6336.2	40°	6099.0	5861.9	5657.5	5453.2	5742.7	6032.2	6586.4	7140.5	6850.5	6560.6
8201.4	42.5°	7770.0	7338.6	6892.9	6447.2	6614.0	6780.7	7330.5	7880.4	7461.8	7043.3
10504.9	45°	9795.9	9087.1	8372.9	7658.9	7732.5	7806.1	8300.1	8794.0	8229.4	7664.8
13081.0	47.5°	12043.4	11005.7	9975.8	8945.7	8960.6	8975.5	9456.1	9936.6	9142.0	8347.3
15647.1	50°	14277.3	12907.5	11580.0	10252.4	10249.8	10247.3	10840.7	11434.2	10236.3	9038.2
18131.7	52.5°	16437.1	14742.2	13156.5	11570.7	11643.5	11716.1	12434.7	13153.3	11385.7	9618.1
20567.6	55°	18547.1	16526.7	14761.9	12997.0	13280.3	13563.5	14273.6	14983.6	12404.8	9826.2
22879.6	57.5°	20591.3	18302.8	16520.7	14738.7	15306.7	15874.8	16261.6	16648.3	13127.1	9605.9
25717.8	60°	23267.6	20817.4	19131.0	17444.5	18150.1	18855.6	18254.9	17654.4	13307.6	8960.6
28018.3	62.5°	25687.3	23356.2	21811.2	20266.3	20345.9	20425.4	18784.5	17143.5	12547.6	7951.7
28258.1	65°	25997.8	23737.3	21773.9	19810.6	19506.0	19201.2	17661.1	16121.0	11472.3	6823.5
26597.6	67.5°	24327.4	22057.3	20011.8	17966.1	17823.4	17680.5	16215.7	14750.9	10192.6	5634.2
23984.9	70°	22031.5	20077.9	18248.7	16419.3	16355.3	16291.5	14698.1	13104.9	8796.2	4487.6
20680.5	72.5°	19217.5	17754.3	16323.1	14891.9	14846.1	14800.1	12971.7	11143.3	7282.5	3421.8
17073.4	75°	16043.4	15013.4	13899.9	12786.4	12616.5	12446.6	10554.3	8662.0	5547.3	2432.6
13362.2	77.5°	12631.6	11901.1	11054.6	10208.1	9964.9	9721.8	7955.2	6188.8	3882.6	1576.4
9672.6	80°	9289.1	8905.4	8266.4	7627.1	7324.9	7022.7	5536.7	4050.6	2501.5	952.4
6261.9	82.5°	6102.0	5942.0	5501.9	5061.9	4724.2	4386.6	3370.5	2354.6	1447.8	541.2
3593.4	85°	3502.5	3411.7	3050.3	2688.7	2401.6	2114.4	1575.2	1035.9	651.3	266.7
1380.5	87.5°	1372.9	1365.2	1184.4	1003.6	843.4	683.2	501.9	320.7	213.3	105.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950531  
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**CANDELA DISTRIBUTION (continued):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
4082.0	2.5°	4048.0	4013.7	3979.4	3946.6	3913.8	3882.0	3846.7	3818.0	3789.5	3763.7
4282.7	5°	4212.1	4141.0	4070.0	4003.6	3937.2	3874.6	3812.6	3758.7	3704.5	3659.2
4469.6	7.5°	4361.6	4256.4	4151.3	4058.6	3966.0	3880.5	3800.4	3728.5	3656.8	3597.1
4615.3	10°	4472.7	4345.0	4217.2	4107.7	3997.9	3892.5	3806.4	3730.6	3654.8	3595.2
4715.7	12.5°	4554.0	4403.3	4252.7	4128.7	4004.8	3893.9	3813.8	3751.8	3690.0	3650.4
4778.3	15°	4602.9	4429.4	4256.0	4112.5	3969.0	3846.2	3782.1	3752.4	3722.9	3728.2
4808.3	17.5°	4616.9	4415.6	4214.2	4041.6	3869.0	3724.6	3685.1	3696.0	3706.7	3771.8
4831.7	20°	4621.4	4377.4	4133.4	3919.5	3705.5	3537.4	3527.0	3577.7	3628.4	3741.3
4863.4	22.5°	4627.4	4330.5	4033.7	3776.1	3518.5	3327.1	3347.6	3422.6	3497.6	3626.5
4920.6	25°	4651.0	4284.3	3917.8	3616.0	3314.4	3118.3	3173.5	3260.0	3346.5	3462.4
5010.1	27.5°	4700.2	4253.4	3806.7	3469.7	3132.8	2954.2	3021.3	3104.9	3188.4	3283.7
5126.0	30°	4767.6	4239.0	3710.0	3347.4	2984.8	2834.9	2887.5	2953.8	3020.3	3099.3
5247.0	32.5°	4825.8	4221.1	3616.0	3241.9	2867.7	2746.9	2770.3	2809.5	2848.7	2911.8
5384.8	35°	4868.4	4187.4	3506.6	3138.3	2770.0	2669.3	2659.6	2670.3	2681.2	2729.4
5539.2	37.5°	4893.8	4129.6	3365.5	3016.3	2667.1	2579.1	2543.6	2531.6	2519.7	2554.3
5735.2	40°	4909.8	4050.1	3190.6	2870.7	2550.7	2470.9	2416.5	2389.5	2362.5	2387.4
5991.6	42.5°	4940.0	3968.1	2996.4	2710.0	2423.6	2350.1	2281.5	2245.7	2209.9	2230.2
6329.1	45°	4993.3	3891.9	2790.6	2539.4	2288.2	2213.6	2147.2	2112.3	2077.6	2094.6
6688.5	47.5°	5029.8	3828.9	2628.0	2404.4	2180.8	2084.6	2027.4	1998.2	1969.0	1985.1
7022.1	50°	5006.0	3760.3	2514.6	2314.7	2114.9	1988.4	1922.0	1896.0	1870.2	1895.3
7238.7	52.5°	4859.0	3644.4	2429.9	2255.7	2081.6	1936.2	1843.4	1817.7	1792.2	1830.0
7190.9	55°	4555.5	3452.3	2349.0	2212.9	2076.7	1941.4	1801.6	1761.0	1720.6	1774.2
6855.0	57.5°	4104.3	3181.4	2258.4	2162.1	2065.9	1946.6	1776.6	1717.5	1658.4	1716.0
6229.9	60°	3499.1	2829.7	2160.2	2084.6	2008.9	1930.2	1753.0	1676.5	1599.8	1650.4
5384.5	62.5°	2817.4	2408.7	2000.0	1949.7	1899.6	1889.9	1725.5	1629.8	1534.2	1566.2
4522.1	65°	2220.8	2030.0	1839.2	1815.5	1791.8	1793.0	1667.7	1565.9	1464.1	1476.4
3677.2	67.5°	1720.2	1666.0	1611.7	1625.0	1638.1	1634.8	1564.4	1479.7	1395.0	1391.1
2895.3	70°	1303.0	1318.5	1333.8	1395.3	1456.6	1456.6	1433.5	1373.2	1312.9	1299.5
2213.5	72.5°	1005.1	1051.8	1098.6	1185.7	1272.7	1287.3	1287.6	1246.3	1205.0	1185.3
1606.5	75°	780.4	822.8	865.2	962.7	1060.3	1127.7	1122.0	1090.2	1058.3	1039.5
1088.6	77.5°	600.8	629.6	658.6	753.3	848.0	959.1	956.1	930.6	905.1	886.0
701.4	80°	450.5	462.4	474.3	554.6	634.7	767.5	767.0	745.7	724.2	708.2
431.4	82.5°	321.9	324.0	326.4	385.4	444.5	557.9	564.1	553.7	543.3	531.9
230.6	85°	194.7	193.6	192.4	235.7	278.9	363.2	371.4	360.2	349.0	336.4
95.6	87.5°	85.3	84.3	83.2	100.8	118.6	153.6	164.1	159.6	155.1	152.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950531  
 CATALOG NUMBER: GALN-SB4D-950-U-SLL

**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
3738.1	2.5°	3715.5	3693.0	3670.3	3647.8	3630.4	3612.8	3598.6	3584.4	3573.4	3562.4
3614.0	5°	3574.0	3534.0	3497.8	3461.4	3433.5	3405.4	3385.9	3366.3	3352.5	3338.6
3537.4	7.5°	3487.2	3436.8	3392.3	3348.0	3314.7	3281.6	3258.4	3235.1	3219.1	3203.3
3535.5	10°	3481.4	3427.1	3377.1	3327.1	3287.4	3247.6	3221.7	3195.4	3180.3	3165.3
3611.0	12.5°	3568.3	3526.0	3474.2	3422.6	3371.9	3321.2	3287.6	3254.0	3237.2	3220.5
3733.6	15°	3722.6	3711.5	3666.6	3621.7	3549.5	3477.3	3426.3	3375.3	3351.9	3328.6
3836.8	17.5°	3871.4	3905.9	3869.6	3833.5	3737.9	3642.3	3567.1	3491.9	3457.3	3422.6
3854.4	20°	3926.8	3999.1	3982.4	3965.5	3856.2	3747.0	3654.8	3562.8	3518.5	3474.0
3755.7	22.5°	3849.8	3943.9	3954.1	3964.1	3859.6	3755.2	3660.4	3565.3	3518.6	3471.8
3578.5	25°	3671.1	3763.7	3798.3	3832.8	3747.2	3661.7	3577.3	3493.1	3452.6	3412.1
3378.9	27.5°	3453.2	3527.4	3565.9	3604.6	3543.6	3482.7	3417.2	3351.7	3324.6	3297.3
3178.4	30°	3240.0	3301.8	3333.1	3364.4	3318.0	3271.5	3224.6	3177.5	3163.6	3149.6
2975.1	32.5°	3034.2	3093.4	3128.1	3163.0	3120.4	3077.6	3040.1	3002.7	2993.6	2984.5
2777.4	35°	2835.9	2894.5	2936.3	2978.1	2947.6	2917.4	2882.8	2848.3	2834.4	2820.7
2588.8	37.5°	2647.1	2705.5	2757.2	2808.8	2794.7	2780.7	2749.0	2717.0	2691.8	2666.8
2412.3	40°	2468.7	2525.1	2584.4	2643.9	2647.4	2650.7	2623.7	2596.7	2560.0	2523.6
2250.6	42.5°	2304.0	2357.5	2421.7	2485.8	2503.0	2520.1	2497.3	2474.6	2429.1	2383.7
2111.9	45°	2162.6	2213.3	2279.8	2346.4	2371.0	2395.6	2375.0	2354.6	2302.5	2250.6
2001.0	47.5°	2050.7	2100.2	2165.9	2231.5	2259.8	2288.2	2273.9	2259.5	2213.3	2167.1
1920.5	50°	1967.3	2014.0	2072.8	2131.6	2168.0	2204.4	2203.5	2202.9	2165.9	2128.9
1867.5	52.5°	1910.5	1953.3	2008.1	2062.9	2106.1	2149.2	2156.9	2164.7	2134.5	2104.4
1827.6	55°	1873.8	1920.0	1968.1	2016.0	2061.6	2107.4	2118.1	2128.9	2102.6	2076.4
1773.6	57.5°	1827.9	1882.2	1929.6	1977.2	2023.3	2069.2	2080.1	2091.0	2064.4	2037.9
1700.8	60°	1763.1	1825.5	1873.7	1922.0	1968.2	2014.5	2026.4	2038.3	2012.4	1986.6
1598.3	62.5°	1670.9	1743.7	1795.2	1846.7	1889.0	1931.4	1942.9	1954.4	1930.9	1907.5
1488.7	65°	1566.5	1644.5	1693.8	1743.0	1780.3	1817.6	1829.4	1841.0	1818.5	1795.9
1387.2	67.5°	1459.1	1531.2	1577.9	1624.4	1656.6	1688.8	1700.3	1711.7	1690.9	1670.3
1286.1	70°	1349.3	1412.6	1452.9	1493.1	1522.2	1551.3	1562.4	1573.4	1556.5	1539.7
1165.7	72.5°	1215.5	1265.2	1301.6	1338.0	1366.5	1395.0	1408.1	1421.2	1407.2	1393.2
1020.6	75°	1057.6	1094.6	1127.5	1160.5	1186.5	1212.4	1226.1	1239.9	1233.0	1226.1
866.9	77.5°	897.1	927.1	955.4	983.7	1011.0	1038.2	1051.0	1063.8	1054.3	1044.5
692.1	80°	717.2	742.1	766.0	789.8	810.6	831.1	848.2	865.2	861.0	857.0
520.6	82.5°	518.5	516.4	508.1	499.7	543.9	588.0	616.9	645.9	644.1	642.2
323.7	85°	312.9	302.1	278.9	255.8	297.1	338.6	374.4	410.2	407.2	404.2
150.4	87.5°	149.9	149.5	131.9	114.1	131.4	148.9	163.3	177.8	174.2	170.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950531  
 CATALOG NUMBER: GALN-SB4D-950-U-SLL

**CANDELA DISTRIBUTION (continued):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
3552.2	2.5°	3541.9	3529.2	3541.9	3552.2	3562.4	3573.4	3584.4	3598.6	3612.8	3630.4
3328.0	5°	3317.4	3307.0	3317.4	3328.0	3338.6	3352.5	3366.3	3385.9	3405.4	3433.5
3193.8	7.5°	3184.4	3177.2	3184.4	3193.8	3203.3	3219.1	3235.1	3258.4	3281.6	3314.7
3157.2	10°	3149.2	3145.9	3149.2	3157.2	3165.3	3180.3	3195.4	3221.7	3247.6	3287.4
3213.6	12.5°	3206.7	3205.5	3206.7	3213.6	3220.5	3237.2	3254.0	3287.6	3321.2	3371.9
3319.7	15°	3310.7	3310.0	3310.7	3319.7	3328.6	3351.9	3375.3	3426.3	3477.3	3549.5
3411.2	17.5°	3399.8	3398.0	3399.8	3411.2	3422.6	3457.3	3491.9	3567.1	3642.3	3737.9
3459.9	20°	3445.7	3441.2	3445.7	3459.9	3474.0	3518.5	3562.8	3654.8	3747.0	3856.2
3456.1	22.5°	3440.5	3433.8	3440.5	3456.1	3471.8	3518.6	3565.3	3660.4	3755.2	3859.6
3397.4	25°	3382.8	3374.1	3382.8	3397.4	3412.1	3452.6	3493.1	3577.3	3661.7	3747.2
3290.6	27.5°	3283.9	3281.6	3283.9	3290.6	3297.3	3324.6	3351.7	3417.2	3482.7	3543.6
3149.6	30°	3149.6	3151.8	3149.6	3149.6	3149.6	3163.6	3177.5	3224.6	3271.5	3318.0
2985.7	32.5°	2987.0	2989.3	2987.0	2985.7	2984.5	2993.6	3002.7	3040.1	3077.6	3120.4
2817.7	35°	2814.7	2813.2	2814.7	2817.7	2820.7	2834.4	2848.3	2882.8	2917.4	2947.6
2653.5	37.5°	2640.2	2632.8	2640.2	2653.5	2666.8	2691.8	2717.0	2749.0	2780.7	2794.7
2498.8	40°	2474.3	2459.7	2474.3	2498.8	2523.6	2560.0	2596.7	2623.7	2650.7	2647.4
2347.7	42.5°	2311.8	2288.2	2311.8	2347.7	2383.7	2429.1	2474.6	2497.3	2520.1	2503.0
2208.4	45°	2166.2	2139.0	2166.2	2208.4	2250.6	2302.5	2354.6	2375.0	2395.6	2371.0
2128.0	47.5°	2089.1	2062.9	2089.1	2128.0	2167.1	2213.3	2259.5	2273.9	2288.2	2259.8
2092.8	50°	2056.7	2031.6	2056.7	2092.8	2128.9	2165.9	2202.9	2203.5	2204.4	2168.0
2072.0	52.5°	2039.8	2016.7	2039.8	2072.0	2104.4	2134.5	2164.7	2156.9	2149.2	2106.1
2048.0	55°	2019.7	1998.8	2019.7	2048.0	2076.4	2102.6	2128.9	2118.1	2107.4	2061.6
2009.8	57.5°	1981.7	1960.0	1981.7	2009.8	2037.9	2064.4	2091.0	2080.1	2069.2	2023.3
1957.6	60°	1928.7	1906.3	1928.7	1957.6	1986.6	2012.4	2038.3	2026.4	2014.5	1968.2
1877.1	62.5°	1846.7	1819.8	1846.7	1877.1	1907.5	1930.9	1954.4	1942.9	1931.4	1889.0
1766.4	65°	1737.0	1713.9	1737.0	1766.4	1795.9	1818.5	1841.0	1829.4	1817.6	1780.3
1642.9	67.5°	1615.5	1594.6	1615.5	1642.9	1670.3	1690.9	1711.7	1700.3	1688.8	1656.6
1513.4	70°	1487.2	1463.3	1487.2	1513.4	1539.7	1556.5	1573.4	1562.4	1551.3	1522.2
1368.1	72.5°	1343.2	1320.1	1343.2	1368.1	1393.2	1407.2	1421.2	1408.1	1395.0	1366.5
1205.1	75°	1184.1	1162.0	1184.1	1205.1	1226.1	1233.0	1239.9	1226.1	1212.4	1186.5
1023.3	77.5°	1002.1	984.5	1002.1	1023.3	1044.5	1054.3	1063.8	1051.0	1038.2	1011.0
828.5	80°	799.8	766.7	799.8	828.5	857.0	861.0	865.2	848.2	831.1	810.6
618.1	82.5°	594.0	572.8	594.0	618.1	642.2	644.1	645.9	616.9	588.0	543.9
385.4	85°	366.6	347.6	366.6	385.4	404.2	407.2	410.2	374.4	338.6	297.1
160.8	87.5°	151.0	141.7	151.0	160.8	170.3	174.2	177.8	163.3	148.9	131.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950531  
 CATALOG NUMBER: GALN-SB4D-950-U-SLL

**CANDELA DISTRIBUTION (continued):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
3647.8	2.5°	3670.3	3693.0	3715.5	3738.1	3763.7	3789.5	3818.0	3846.7	3882.0	3913.8
3461.4	5°	3497.8	3534.0	3574.0	3614.0	3659.2	3704.5	3758.7	3812.6	3874.6	3937.2
3348.0	7.5°	3392.3	3436.8	3487.2	3537.4	3597.1	3656.8	3728.5	3800.4	3880.5	3966.0
3327.1	10°	3377.1	3427.1	3481.4	3535.5	3595.2	3654.8	3730.6	3806.4	3892.5	3997.9
3422.6	12.5°	3474.2	3526.0	3568.3	3611.0	3650.4	3690.0	3751.8	3813.8	3893.9	4004.8
3621.7	15°	3666.6	3711.5	3722.6	3733.6	3728.2	3722.9	3752.4	3782.1	3846.2	3969.0
3833.5	17.5°	3869.6	3905.9	3871.4	3836.8	3771.8	3706.7	3696.0	3685.1	3724.6	3869.0
3965.5	20°	3982.4	3999.1	3926.8	3854.4	3741.3	3628.4	3577.7	3527.0	3537.4	3705.5
3964.1	22.5°	3954.1	3943.9	3849.8	3755.7	3626.5	3497.6	3422.6	3347.6	3327.1	3518.5
3832.8	25°	3798.3	3763.7	3671.1	3578.5	3462.4	3346.5	3260.0	3173.5	3118.3	3314.4
3604.6	27.5°	3565.9	3527.4	3453.2	3378.9	3283.7	3188.4	3104.9	3021.3	2954.2	3132.8
3364.4	30°	3333.1	3301.8	3240.0	3178.4	3099.3	3020.3	2953.8	2887.5	2834.9	2984.8
3163.0	32.5°	3128.1	3093.4	3034.2	2975.1	2911.8	2848.7	2809.5	2770.3	2746.9	2867.7
2978.1	35°	2936.3	2894.5	2835.9	2777.4	2729.4	2681.2	2670.3	2659.6	2669.3	2770.0
2808.8	37.5°	2757.2	2705.5	2647.1	2588.8	2554.3	2519.7	2531.6	2543.6	2579.1	2667.1
2643.9	40°	2584.4	2525.1	2468.7	2412.3	2387.4	2362.5	2389.5	2416.5	2470.9	2550.7
2485.8	42.5°	2421.7	2357.5	2304.0	2250.6	2230.2	2209.9	2245.7	2281.5	2350.1	2423.6
2346.4	45°	2279.8	2213.3	2162.6	2111.9	2094.6	2077.6	2112.3	2147.2	2213.6	2288.2
2231.5	47.5°	2165.9	2100.2	2050.7	2001.0	1985.1	1969.0	1998.2	2027.4	2084.6	2180.8
2131.6	50°	2072.8	2014.0	1967.3	1920.5	1895.3	1870.2	1896.0	1922.0	1988.4	2114.9
2062.9	52.5°	2008.1	1953.3	1910.5	1867.5	1830.0	1792.2	1817.7	1843.4	1936.2	2081.6
2016.0	55°	1968.1	1920.0	1873.8	1827.6	1774.2	1720.6	1761.0	1801.6	1941.4	2076.7
1977.2	57.5°	1929.6	1882.2	1827.9	1773.6	1716.0	1658.4	1717.5	1776.6	1946.6	2065.9
1922.0	60°	1873.7	1825.5	1763.1	1700.8	1650.4	1599.8	1676.5	1753.0	1930.2	2008.9
1846.7	62.5°	1795.2	1743.7	1670.9	1598.3	1566.2	1534.2	1629.8	1725.5	1889.9	1899.6
1743.0	65°	1693.8	1644.5	1566.5	1488.7	1476.4	1464.1	1565.9	1667.7	1793.0	1791.8
1624.4	67.5°	1577.9	1531.2	1459.1	1387.2	1391.1	1395.0	1479.7	1564.4	1634.8	1638.1
1493.1	70°	1452.9	1412.6	1349.3	1286.1	1299.5	1312.9	1373.2	1433.5	1456.6	1456.6
1338.0	72.5°	1301.6	1265.2	1215.5	1165.7	1185.3	1205.0	1246.3	1287.6	1287.3	1272.7
1160.5	75°	1127.5	1094.6	1057.6	1020.6	1039.5	1058.3	1090.2	1122.0	1127.7	1060.3
983.7	77.5°	955.4	927.1	897.1	866.9	886.0	905.1	930.6	956.1	959.1	848.0
789.8	80°	766.0	742.1	717.2	692.1	708.2	724.2	745.7	767.0	767.5	634.7
499.7	82.5°	508.1	516.4	518.5	520.6	531.9	543.3	553.7	564.1	557.9	444.5
255.8	85°	278.9	302.1	312.9	323.7	336.4	349.0	360.2	371.4	363.2	278.9
114.1	87.5°	131.9	149.5	149.9	150.4	152.7	155.1	159.6	164.1	153.6	118.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950531  
 CATALOG NUMBER: GALN-SB4D-950-U-SLL

**CANDELA DISTRIBUTION (continued):**

325°		330°	335°	340°	345°	350°	355°	360°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
3946.6	2.5°	3979.4	4013.7	4048.0	4082.0	4116.2	4148.3	4180.3
4003.6	5°	4070.0	4141.0	4212.1	4282.7	4353.4	4424.2	4495.1
4058.6	7.5°	4151.3	4256.4	4361.6	4469.6	4577.6	4694.4	4811.3
4107.7	10°	4217.2	4345.0	4472.7	4615.3	4758.1	4905.9	5053.7
4128.7	12.5°	4252.7	4403.3	4554.0	4715.7	4877.4	5039.7	5202.1
4112.5	15°	4256.0	4429.4	4602.9	4778.3	4953.8	5123.1	5292.4
4041.6	17.5°	4214.2	4415.6	4616.9	4808.3	4999.7	5171.4	5343.1
3919.5	20°	4133.4	4377.4	4621.4	4831.7	5042.1	5220.6	5399.0
3776.1	22.5°	4033.7	4330.5	4627.4	4863.4	5099.2	5281.6	5463.9
3616.0	25°	3917.8	4284.3	4651.0	4920.6	5190.2	5368.7	5547.4
3469.7	27.5°	3806.7	4253.4	4700.2	5010.1	5320.0	5490.5	5660.8
3347.4	30°	3710.0	4239.0	4767.6	5126.0	5484.5	5649.0	5813.7
3241.9	32.5°	3616.0	4221.1	4825.8	5247.0	5668.3	5831.1	5994.2
3138.3	35°	3506.6	4187.4	4868.4	5384.8	5901.3	6057.4	6213.5
3016.3	37.5°	3365.5	4129.6	4893.8	5539.2	6184.7	6383.7	6582.6
2870.7	40°	3190.6	4050.1	4909.8	5735.2	6560.6	6850.5	7140.5
2710.0	42.5°	2996.4	3968.1	4940.0	5991.6	7043.3	7461.8	7880.4
2539.4	45°	2790.6	3891.9	4993.3	6329.1	7664.8	8229.4	8794.0
2404.4	47.5°	2628.0	3828.9	5029.8	6688.5	8347.3	9142.0	9936.6
2314.7	50°	2514.6	3760.3	5006.0	7022.1	9038.2	10236.3	11434.2
2255.7	52.5°	2429.9	3644.4	4859.0	7238.7	9618.1	11385.7	13153.3
2212.9	55°	2349.0	3452.3	4555.5	7190.9	9826.2	12404.8	14983.6
2162.1	57.5°	2258.4	3181.4	4104.3	6855.0	9605.9	13127.1	16648.3
2084.6	60°	2160.2	2829.7	3499.1	6229.9	8960.6	13307.6	17654.4
1949.7	62.5°	2000.0	2408.7	2817.4	5384.5	7951.7	12547.6	17143.5
1815.5	65°	1839.2	2030.0	2220.8	4522.1	6823.5	11472.3	16121.0
1625.0	67.5°	1611.7	1666.0	1720.2	3677.2	5634.2	10192.6	14750.9
1395.3	70°	1333.8	1318.5	1303.0	2895.3	4487.6	8796.2	13104.9
1185.7	72.5°	1098.6	1051.8	1005.1	2213.5	3421.8	7282.5	11143.3
962.7	75°	865.2	822.8	780.4	1606.5	2432.6	5547.3	8662.0
753.3	77.5°	658.6	629.6	600.8	1088.6	1576.4	3882.6	6188.8
554.6	80°	474.3	462.4	450.5	701.4	952.4	2501.5	4050.6
385.4	82.5°	326.4	324.0	321.9	431.4	541.2	1447.8	2354.6
235.7	85°	192.4	193.6	194.7	230.6	266.7	651.3	1035.9
100.8	87.5°	83.2	84.3	85.3	95.6	105.9	213.3	320.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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