

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: P955993

Luminaire Tested: **GALN-SB8D-740-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955993
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-740-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 86743 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U0 - G5

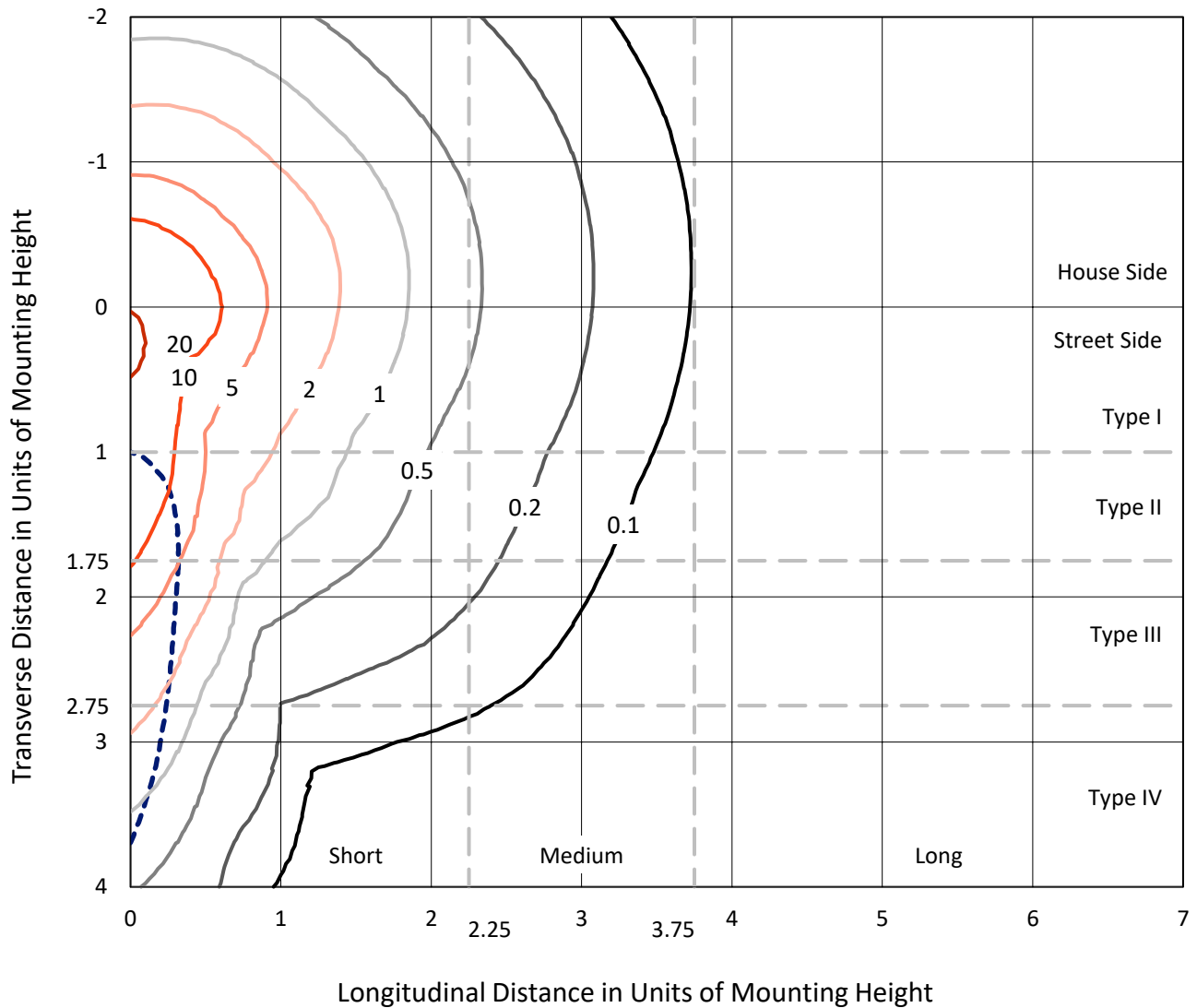
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955993
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Iso-Footcandle Lines of Horizontal Illumination

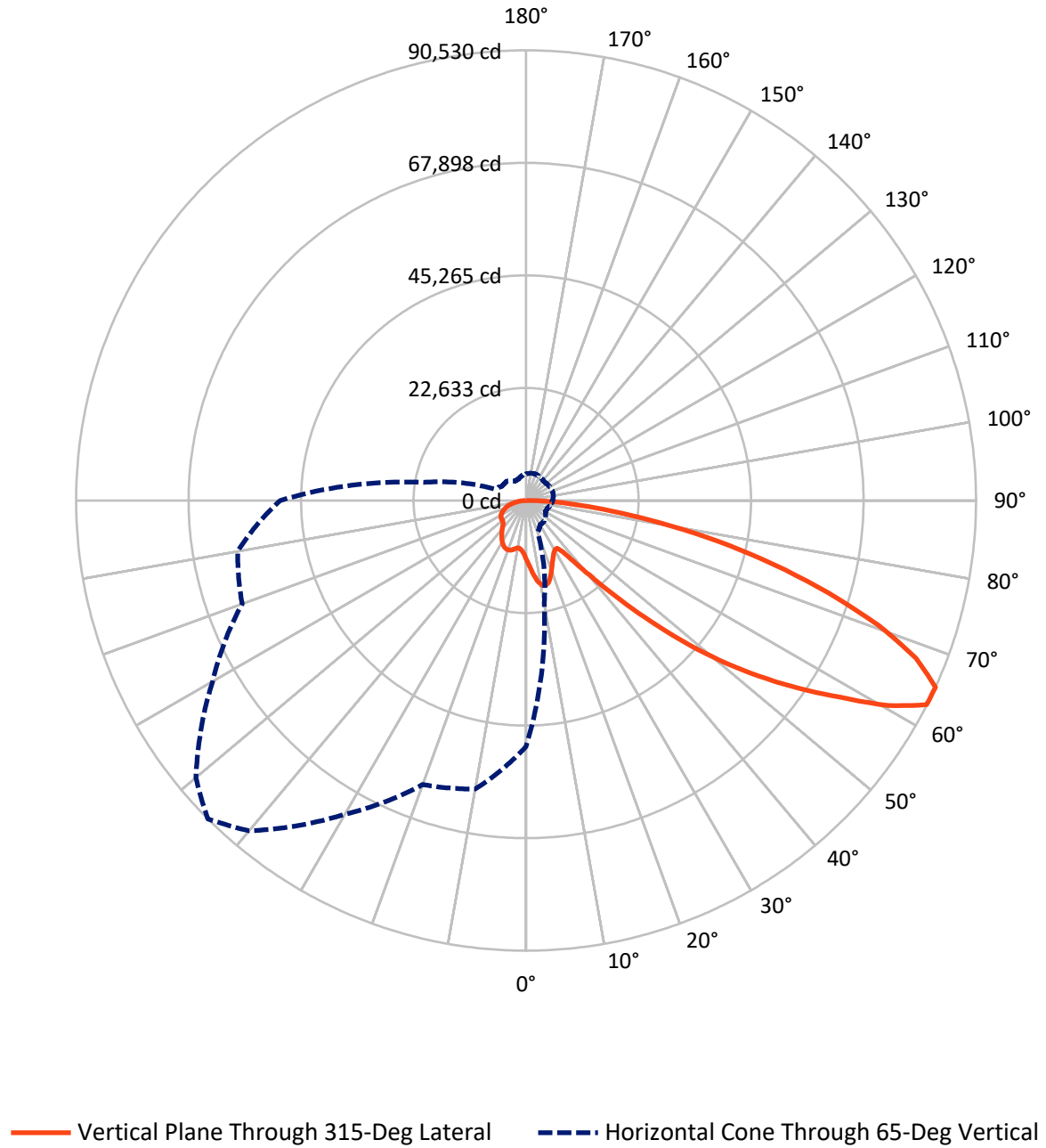
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.6 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	22045.7	0.0	22045.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	64697.3	0.0	64697.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	86743.0	0.0	86743.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1183.2	1.4
10°-20°	3714.4	4.3
20°-30°	5737.5	6.6
30°-40°	7270.9	8.4
40°-50°	10966.3	12.6
50°-60°	17717.7	20.4
60°-70°	22087.9	25.5
70°-80°	14484.2	16.7
80°-90°	3580.8	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°	86743.0	100.0
0°-180°	86743.0	100.0

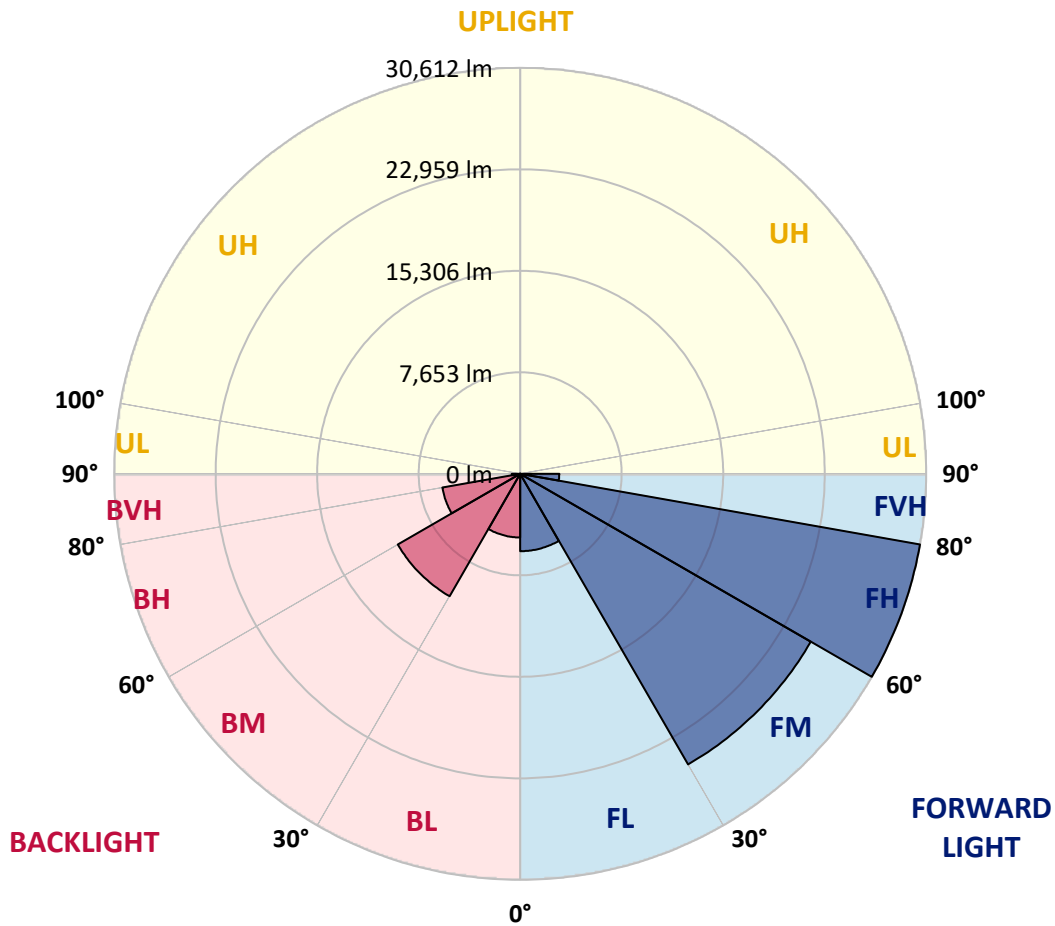


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5834.5	6.7			
FM (30°-60°)	25301.0	29.2			
FH (60°-80°)	30612.0	35.3			G5
FVH (80°-90°)	2949.8	3.4			G5
BL (0°-30°)	4800.7	5.5	B4/5000		
BM (30°-60°)	10653.8	12.3	B5		
BH (60°-80°)	5960.1	6.9	B5		G5
BVH (80°-90°)	631.0	0.7			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Short



REPORT NUMBER: P955993
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9
2.5°	12827.3	12728.9	12630.5	12525.7	12421.3	12316.0	12210.8	12110.1	12009.4	11911.9
5°	13793.1	13575.7	13358.3	13141.3	12924.8	12706.5	12488.6	12284.9	12081.2	11889.0
7.5°	14763.4	14404.6	14046.2	13714.8	13383.4	13060.7	12738.1	12453.8	12169.6	11907.3
10°	15507.2	15053.6	14600.0	14162.0	13724.4	13332.6	12940.4	12604.4	12267.5	11943.9
12.5°	15962.6	15464.2	14966.2	14470.0	13973.9	13511.6	13049.3	12668.9	12288.6	11948.5
15°	16239.5	15720.0	15200.5	14662.3	14124.0	13591.7	13059.4	12619.1	12178.7	11802.0
17.5°	16395.2	15868.3	15341.5	14754.3	14167.0	13549.1	12931.2	12401.6	11872.1	11429.0
20°	16566.8	16019.4	15471.5	14826.1	14180.8	13431.9	12683.1	12026.8	11370.4	10854.6
22.5°	16765.9	16206.6	15646.8	14923.2	14199.1	13288.2	12377.4	11586.9	10796.5	10209.2
25°	17022.2	16473.9	15926.0	15098.9	14271.4	13146.3	12021.7	11095.8	10170.3	9568.4
27.5°	17370.1	16847.4	16324.2	15373.5	14422.4	13051.6	11680.7	10646.8	9612.8	9064.9
30°	17839.2	17333.9	16829.1	15729.2	14629.3	13007.2	11384.2	10271.5	9158.8	8698.8
32.5°	18393.1	17892.8	17393.0	16100.4	14807.8	12952.3	11095.8	9947.9	8799.5	8428.7
35°	19065.9	18587.1	18107.9	16523.3	14938.7	12848.8	10759.8	9629.8	8499.7	8190.7
37.5°	20198.7	19588.1	18977.6	16997.0	15016.5	12671.7	10326.8	9255.3	8183.8	7913.8
40°	21910.6	21020.8	20131.0	17598.5	15065.5	12427.7	9790.4	8808.6	7826.8	7582.0
42.5°	24180.8	22896.5	21612.1	18385.3	15158.4	12176.0	9194.5	8315.7	7436.9	7211.2
45°	26984.3	25251.8	23519.4	19420.6	15321.8	11942.1	8562.8	7792.0	7021.3	6792.4
47.5°	30490.3	28052.1	25613.4	20523.7	15434.0	11748.9	8063.9	7377.8	6691.7	6396.5
50°	35085.7	31409.9	27733.5	21547.1	15360.7	11538.4	7716.1	7102.7	6489.4	6101.3
52.5°	40360.8	34937.0	29513.1	22211.7	14909.9	11182.8	7456.1	6921.5	6387.3	5941.1
55°	45976.9	38064.0	30151.6	22065.3	13978.4	10593.2	7208.0	6790.1	6372.2	5957.1
57.5°	51085.0	40280.3	29475.6	21034.5	12593.9	9762.0	6929.7	6634.5	6339.3	5973.1
60°	54172.2	40834.1	27495.5	19116.2	10736.9	8682.7	6628.5	6396.5	6164.4	5922.8
62.5°	52604.6	38502.1	24399.6	16522.4	8645.2	7391.1	6137.0	5982.7	5828.9	5799.2
65°	49467.0	35202.4	20937.9	13875.9	6814.4	6229.0	5643.6	5570.8	5498.0	5501.7
67.5°	45262.9	31275.7	17288.6	11283.5	5278.3	5112.2	4945.6	4986.3	5026.6	5016.5
70°	40212.1	26991.1	13770.2	8884.1	3998.1	4045.7	4092.8	4281.4	4469.5	4469.5
72.5°	34193.2	22346.3	10499.9	6792.0	3084.0	3227.3	3371.0	3638.3	3905.2	3950.0
75°	26579.2	17021.8	7464.3	4929.5	2394.7	2524.7	2654.7	2954.1	3253.4	3460.3
77.5°	18990.4	11913.7	4837.1	3340.4	1843.7	1932.0	2020.8	2311.4	2602.1	2943.1
80°	12429.1	7675.8	2922.5	2152.2	1382.3	1418.9	1455.5	1701.8	1947.6	2354.9
82.5°	7224.9	4442.5	1660.6	1323.7	987.7	994.1	1001.5	1182.7	1364.0	1711.8
85°	3178.8	1998.4	818.4	707.6	597.3	594.1	590.4	723.2	855.9	1114.5
87.5°	984.1	654.5	325.0	293.4	261.8	258.6	255.4	309.4	363.9	471.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955993
 CATALOG NUMBER: GALN-SB8D-740-U-SLR

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
11927.9	0°	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9
11803.4	2.5°	11715.5	11628.1	11548.9	11470.2	11401.1	11332.0	11262.4	11193.3	11139.7	11085.7
11699.1	5°	11533.4	11367.2	11228.1	11089.4	10966.7	10844.1	10732.8	10621.1	10535.6	10449.5
11661.5	7.5°	11440.9	11220.7	11037.7	10854.6	10700.3	10545.6	10409.2	10273.3	10171.2	10069.6
11679.8	10°	11447.3	11214.8	11031.7	10848.6	10682.5	10515.9	10362.5	10209.2	10087.5	9965.3
11702.7	12.5°	11512.3	11322.8	11201.1	11080.2	10949.3	10819.3	10660.5	10502.1	10346.5	10190.9
11605.2	15°	11514.1	11423.5	11440.0	11456.5	11422.6	11388.7	11251.0	11113.2	10891.7	10670.1
11307.7	17.5°	11341.1	11374.1	11573.6	11773.2	11879.4	11985.1	11873.9	11763.1	11469.7	11176.4
10822.5	20°	10978.2	11133.8	11480.3	11827.2	12049.2	12271.2	12219.9	12168.2	11832.7	11497.7
10271.9	22.5°	10502.1	10732.4	11127.8	11524.2	11813.0	12101.8	12133.0	12163.6	11843.2	11522.8
9737.8	25°	10003.2	10268.7	10624.4	10980.5	11264.7	11548.9	11655.1	11760.8	11498.1	11235.9
9270.9	27.5°	9527.2	9783.5	10076.0	10368.0	10596.0	10823.9	10942.0	11060.6	10873.3	10686.6
8860.3	30°	9063.6	9267.7	9510.3	9752.9	9941.9	10131.4	10227.5	10323.6	10181.3	10038.5
8500.6	32.5°	8621.0	8741.3	8934.9	9129.0	9310.3	9492.0	9598.6	9705.7	9574.8	9443.5
8161.0	35°	8193.9	8227.3	8375.2	8522.6	8702.0	8881.9	9010.0	9138.2	9044.8	8951.9
7804.9	37.5°	7768.2	7731.6	7837.8	7943.5	8122.5	8301.9	8460.3	8618.7	8575.6	8532.6
7414.9	40°	7332.0	7249.2	7325.6	7402.1	7575.1	7748.1	7930.3	8112.9	8123.4	8133.5
7000.7	42.5°	6890.8	6781.0	6843.2	6905.9	7069.8	7234.1	7430.9	7627.7	7680.4	7733.0
6588.7	45°	6481.6	6375.0	6427.2	6480.3	6635.9	6791.5	6995.6	7199.8	7275.3	7350.8
6221.2	47.5°	6131.5	6041.8	6091.2	6140.2	6292.6	6444.5	6645.9	6847.3	6934.3	7021.3
5897.6	50°	5817.9	5738.8	5815.7	5893.0	6036.7	6180.0	6360.3	6540.7	6652.3	6764.0
5656.4	52.5°	5577.6	5499.4	5615.2	5730.5	5862.3	5993.7	6161.7	6330.1	6462.4	6594.7
5528.2	55°	5403.7	5279.7	5444.0	5607.9	5749.7	5891.6	6039.0	6185.9	6326.0	6466.5
5451.3	57.5°	5270.1	5088.8	5265.5	5442.2	5608.8	5775.4	5920.9	6066.9	6208.4	6349.3
5379.0	60°	5144.2	4908.9	5064.1	5218.8	5410.1	5601.4	5749.3	5897.6	6039.5	6181.4
5294.8	62.5°	5000.9	4707.5	4805.9	4904.4	5127.3	5350.6	5508.5	5666.4	5796.4	5926.4
5117.2	65°	4805.0	4492.4	4530.4	4567.9	4806.9	5046.2	5197.3	5348.3	5462.8	5577.2
4800.5	67.5°	4540.5	4280.5	4268.6	4256.7	4477.3	4698.4	4841.7	4984.5	5083.3	5182.2
4398.6	70°	4213.7	4028.8	3987.6	3946.4	4140.4	4334.5	4458.1	4581.7	4670.9	4760.2
3950.9	72.5°	3824.2	3697.4	3637.0	3577.0	3729.9	3882.3	3994.0	4105.7	4193.1	4280.5
3442.9	75°	3345.4	3247.4	3189.8	3131.6	3245.2	3358.7	3459.8	3561.0	3640.6	3720.3
2933.9	77.5°	2855.6	2777.4	2718.8	2660.2	2752.7	2844.7	2931.6	3018.6	3102.4	3185.7
2353.5	80°	2288.1	2222.2	2173.2	2123.8	2200.7	2277.1	2350.3	2423.6	2487.2	2550.4
1731.1	82.5°	1699.0	1667.0	1632.2	1597.4	1591.0	1584.6	1559.0	1533.3	1668.8	1804.3
1139.7	85°	1105.4	1071.0	1032.1	993.2	960.3	926.9	855.9	785.0	911.8	1039.0
503.5	87.5°	489.7	476.0	468.7	461.4	460.0	458.6	404.6	350.1	403.2	456.8
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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 CATALOG NUMBER: GALN-SB8D-740-U-SLR

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
11927.9	0°	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9
11042.2	2.5°	10998.8	10964.9	10931.0	10899.9	10868.3	10829.4	10868.3	10899.9	10931.0	10964.9
10389.5	5°	10329.6	10287.0	10244.5	10212.0	10179.5	10147.4	10179.5	10212.0	10244.5	10287.0
9998.2	7.5°	9926.8	9877.8	9829.3	9800.0	9771.2	9749.2	9771.2	9800.0	9829.3	9877.8
9885.6	10°	9805.1	9758.8	9712.6	9687.9	9663.2	9653.1	9663.2	9687.9	9712.6	9758.8
10087.9	12.5°	9984.9	9933.2	9881.9	9860.9	9839.8	9836.2	9839.8	9860.9	9881.9	9933.2
10513.6	15°	10357.1	10285.2	10213.8	10186.3	10158.9	10156.6	10158.9	10186.3	10213.8	10285.2
10945.7	17.5°	10715.0	10608.8	10502.1	10467.4	10432.1	10426.6	10432.1	10467.4	10502.1	10608.8
11214.8	20°	10932.4	10796.5	10660.1	10616.6	10573.1	10559.4	10573.1	10616.6	10660.1	10796.5
11231.7	22.5°	10940.2	10796.9	10653.2	10605.1	10557.1	10536.5	10557.1	10605.1	10653.2	10796.9
10976.8	25°	10718.6	10594.1	10470.1	10424.8	10379.9	10353.4	10379.9	10424.8	10470.1	10594.1
10485.7	27.5°	10284.7	10201.4	10117.7	10097.1	10076.5	10069.6	10076.5	10097.1	10117.7	10201.4
9894.8	30°	9750.1	9707.6	9664.5	9664.5	9664.5	9671.4	9664.5	9664.5	9664.5	9707.6
9328.6	32.5°	9213.7	9185.8	9157.9	9161.5	9165.6	9172.5	9165.6	9161.5	9157.9	9185.8
8845.7	35°	8740.0	8697.4	8655.3	8646.1	8637.0	8632.4	8637.0	8646.1	8655.3	8697.4
8435.1	37.5°	8337.2	8259.8	8182.9	8142.2	8101.5	8078.6	8101.5	8142.2	8182.9	8259.8
8050.7	40°	7967.8	7855.2	7743.5	7667.5	7592.5	7547.6	7592.5	7667.5	7743.5	7855.2
7663.0	42.5°	7593.4	7453.8	7314.2	7203.9	7093.6	7021.3	7093.6	7203.9	7314.2	7453.8
7287.7	45°	7224.9	7065.2	6905.9	6776.4	6646.9	6563.6	6646.9	6776.4	6905.9	7065.2
6977.3	47.5°	6933.4	6791.5	6649.6	6529.7	6410.2	6330.1	6410.2	6529.7	6649.6	6791.5
6761.3	50°	6759.5	6645.9	6532.4	6421.7	6310.9	6234.0	6310.9	6421.7	6532.4	6645.9
6618.5	52.5°	6642.3	6549.8	6457.4	6358.0	6259.2	6188.2	6259.2	6358.0	6457.4	6549.8
6499.5	55°	6532.4	6451.9	6371.3	6284.4	6197.4	6133.3	6197.4	6284.4	6371.3	6451.9
6382.8	57.5°	6416.2	6334.7	6253.2	6167.2	6080.7	6014.3	6080.7	6167.2	6253.2	6334.7
6218.0	60°	6254.6	6175.0	6095.8	6007.0	5918.2	5849.5	5918.2	6007.0	6095.8	6175.0
5961.7	62.5°	5996.9	5925.0	5853.2	5759.8	5666.4	5584.1	5666.4	5759.8	5853.2	5925.0
5613.3	65°	5649.1	5579.9	5510.8	5420.2	5330.0	5259.1	5330.0	5420.2	5510.8	5579.9
5217.4	67.5°	5252.2	5188.6	5125.4	5041.2	4957.0	4892.9	4957.0	5041.2	5125.4	5188.6
4794.0	70°	4827.9	4776.2	4724.5	4643.9	4563.4	4490.1	4563.4	4643.9	4724.5	4776.2
4320.8	72.5°	4361.1	4318.0	4275.0	4198.1	4121.7	4050.7	4121.7	4198.1	4275.0	4318.0
3762.4	75°	3804.5	3783.4	3762.4	3697.8	3633.3	3565.6	3633.3	3697.8	3762.4	3783.4
3225.0	77.5°	3264.4	3235.1	3204.9	3139.9	3074.9	3020.9	3074.9	3139.9	3204.9	3235.1
2602.5	80°	2654.7	2641.9	2629.5	2542.1	2454.2	2352.6	2454.2	2542.1	2629.5	2641.9
1893.1	82.5°	1981.9	1976.4	1970.4	1896.7	1822.6	1757.6	1822.6	1896.7	1970.4	1976.4
1148.9	85°	1258.7	1249.5	1240.4	1182.7	1125.0	1066.5	1125.0	1182.7	1240.4	1249.5
501.2	87.5°	545.6	534.6	522.7	493.4	463.2	434.8	463.2	493.4	522.7	534.6
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: P955993
 CATALOG NUMBER: GALN-SB8D-740-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
11927.9	0°	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9
10998.8	2.5°	11042.2	11085.7	11139.7	11193.3	11262.4	11332.0	11401.1	11470.2	11548.9	11628.1
10329.6	5°	10389.5	10449.5	10535.6	10621.1	10732.8	10844.1	10966.7	11089.4	11228.1	11367.2
9926.8	7.5°	9998.2	10069.6	10171.2	10273.3	10409.2	10545.6	10700.3	10854.6	11037.7	11220.7
9805.1	10°	9885.6	9965.3	10087.5	10209.2	10362.5	10515.9	10682.5	10848.6	11031.7	11214.8
9984.9	12.5°	10087.9	10190.9	10346.5	10502.1	10660.5	10819.3	10949.3	11080.2	11201.1	11322.8
10357.1	15°	10513.6	10670.1	10891.7	11113.2	11251.0	11388.7	11422.6	11456.5	11440.0	11423.5
10715.0	17.5°	10945.7	11176.4	11469.7	11763.1	11873.9	11985.1	11879.4	11773.2	11573.6	11374.1
10932.4	20°	11214.8	11497.7	11832.7	12168.2	12219.9	12271.2	12049.2	11827.2	11480.3	11133.8
10940.2	22.5°	11231.7	11522.8	11843.2	12163.6	12133.0	12101.8	11813.0	11524.2	11127.8	10732.4
10718.6	25°	10976.8	11235.9	11498.1	11760.8	11655.1	11548.9	11264.7	10980.5	10624.4	10268.7
10284.7	27.5°	10485.7	10686.6	10873.3	11060.6	10942.0	10823.9	10596.0	10368.0	10076.0	9783.5
9750.1	30°	9894.8	10038.5	10181.3	10323.6	10227.5	10131.4	9941.9	9752.9	9510.3	9267.7
9213.7	32.5°	9328.6	9443.5	9574.8	9705.7	9598.6	9492.0	9310.3	9129.0	8934.9	8741.3
8740.0	35°	8845.7	8951.9	9044.8	9138.2	9010.0	8881.9	8702.0	8522.6	8375.2	8227.3
8337.2	37.5°	8435.1	8532.6	8575.6	8618.7	8460.3	8301.9	8122.5	7943.5	7837.8	7731.6
7967.8	40°	8050.7	8133.5	8123.4	8112.9	7930.3	7748.1	7575.1	7402.1	7325.6	7249.2
7593.4	42.5°	7663.0	7733.0	7680.4	7627.7	7430.9	7234.1	7069.8	6905.9	6843.2	6781.0
7224.9	45°	7287.7	7350.8	7275.3	7199.8	6995.6	6791.5	6635.9	6480.3	6427.2	6375.0
6933.4	47.5°	6977.3	7021.3	6934.3	6847.3	6645.9	6444.5	6292.6	6140.2	6091.2	6041.8
6759.5	50°	6761.3	6764.0	6652.3	6540.7	6360.3	6180.0	6036.7	5893.0	5815.7	5738.8
6642.3	52.5°	6618.5	6594.7	6462.4	6330.1	6161.7	5993.7	5862.3	5730.5	5615.2	5499.4
6532.4	55°	6499.5	6466.5	6326.0	6185.9	6039.0	5891.6	5749.7	5607.9	5444.0	5279.7
6416.2	57.5°	6382.8	6349.3	6208.4	6066.9	5920.9	5775.4	5608.8	5442.2	5265.5	5088.8
6254.6	60°	6218.0	6181.4	6039.5	5897.6	5749.3	5601.4	5410.1	5218.8	5064.1	4908.9
5996.9	62.5°	5961.7	5926.4	5796.4	5666.4	5508.5	5350.6	5127.3	4904.4	4805.9	4707.5
5649.1	65°	5613.3	5577.2	5462.8	5348.3	5197.3	5046.2	4806.9	4567.9	4530.4	4492.4
5252.2	67.5°	5217.4	5182.2	5083.3	4984.5	4841.7	4698.4	4477.3	4256.7	4268.6	4280.5
4827.9	70°	4794.0	4760.2	4670.9	4581.7	4458.1	4334.5	4140.4	3946.4	3987.6	4028.8
4361.1	72.5°	4320.8	4280.5	4193.1	4105.7	3994.0	3882.3	3729.9	3577.0	3637.0	3697.4
3804.5	75°	3762.4	3720.3	3640.6	3561.0	3459.8	3358.7	3245.2	3131.6	3189.8	3247.4
3264.4	77.5°	3225.0	3185.7	3102.4	3018.6	2931.6	2844.7	2752.7	2660.2	2718.8	2777.4
2654.7	80°	2602.5	2550.4	2487.2	2423.6	2350.3	2277.1	2200.7	2123.8	2173.2	2222.2
1981.9	82.5°	1893.1	1804.3	1668.8	1533.3	1559.0	1584.6	1591.0	1597.4	1632.2	1667.0
1258.7	85°	1148.9	1039.0	911.8	785.0	855.9	926.9	960.3	993.2	1032.1	1071.0
545.6	87.5°	501.2	456.8	403.2	350.1	404.6	458.6	460.0	461.4	468.7	476.0
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: P955993
 CATALOG NUMBER: GALN-SB8D-740-U-SLR

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
11927.9	0°	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9
11715.5	2.5°	11803.4	11911.9	12009.4	12110.1	12210.8	12316.0	12421.3	12525.7	12630.5	12728.9
11533.4	5°	11699.1	11889.0	12081.2	12284.9	12488.6	12706.5	12924.8	13141.3	13358.3	13575.7
11440.9	7.5°	11661.5	11907.3	12169.6	12453.8	12738.1	13060.7	13383.4	13714.8	14046.2	14404.6
11447.3	10°	11679.8	11943.9	12267.5	12604.4	12940.4	13332.6	13724.4	14162.0	14600.0	15053.6
11512.3	12.5°	11702.7	11948.5	12288.6	12668.9	13049.3	13511.6	13973.9	14470.0	14966.2	15464.2
11514.1	15°	11605.2	11802.0	12178.7	12619.1	13059.4	13591.7	14124.0	14662.3	15200.5	15720.0
11341.1	17.5°	11307.7	11429.0	11872.1	12401.6	12931.2	13549.1	14167.0	14754.3	15341.5	15868.3
10978.2	20°	10822.5	10854.6	11370.4	12026.8	12683.1	13431.9	14180.8	14826.1	15471.5	16019.4
10502.1	22.5°	10271.9	10209.2	10796.5	11586.9	12377.4	13288.2	14199.1	14923.2	15646.8	16206.6
10003.2	25°	9737.8	9568.4	10170.3	11095.8	12021.7	13146.3	14271.4	15098.9	15926.0	16473.9
9527.2	27.5°	9270.9	9064.9	9612.8	10646.8	11680.7	13051.6	14422.4	15373.5	16324.2	16847.4
9063.6	30°	8860.3	8698.8	9158.8	10271.5	11384.2	13007.2	14629.3	15729.2	16829.1	17333.9
8621.0	32.5°	8500.6	8428.7	8799.5	9947.9	11095.8	12952.3	14807.8	16100.4	17393.0	17892.8
8193.9	35°	8161.0	8190.7	8499.7	9629.8	10759.8	12848.8	14938.7	16523.3	18107.9	18587.1
7768.2	37.5°	7804.9	7913.8	8183.8	9255.3	10326.8	12671.7	15016.5	16997.0	18977.6	19588.1
7332.0	40°	7414.9	7582.0	7826.8	8808.6	9790.4	12427.7	15065.5	17598.5	20131.0	21020.8
6890.8	42.5°	7000.7	7211.2	7436.9	8315.7	9194.5	12176.0	15158.4	18385.3	21612.1	22896.5
6481.6	45°	6588.7	6792.4	7021.3	7792.0	8562.8	11942.1	15321.8	19420.6	23519.4	25251.8
6131.5	47.5°	6221.2	6396.5	6691.7	7377.8	8063.9	11748.9	15434.0	20523.7	25613.4	28052.1
5817.9	50°	5897.6	6101.3	6489.4	7102.7	7716.1	11538.4	15360.7	21547.1	27733.5	31409.9
5577.6	52.5°	5656.4	5941.1	6387.3	6921.5	7456.1	11182.8	14909.9	22211.7	29513.1	34937.0
5403.7	55°	5528.2	5957.1	6372.2	6790.1	7208.0	10593.2	13978.4	22065.3	30151.6	38064.0
5270.1	57.5°	5451.3	5973.1	6339.3	6634.5	6929.7	9762.0	12593.9	21034.5	29475.6	40280.3
5144.2	60°	5379.0	5922.8	6164.4	6396.5	6628.5	8682.7	10736.9	19116.2	27495.5	40834.1
5000.9	62.5°	5294.8	5799.2	5828.9	5982.7	6137.0	7391.1	8645.2	16522.4	24399.6	38502.1
4805.0	65°	5117.2	5501.7	5498.0	5570.8	5643.6	6229.0	6814.4	13875.9	20937.9	35202.4
4540.5	67.5°	4800.5	5016.5	5026.6	4986.3	4945.6	5112.2	5278.3	11283.5	17288.6	31275.7
4213.7	70°	4398.6	4469.5	4469.5	4281.4	4092.8	4045.7	3998.1	8884.1	13770.2	26991.1
3824.2	72.5°	3950.9	3950.0	3905.2	3638.3	3371.0	3227.3	3084.0	6792.0	10499.9	22346.3
3345.4	75°	3442.9	3460.3	3253.4	2954.1	2654.7	2524.7	2394.7	4929.5	7464.3	17021.8
2855.6	77.5°	2933.9	2943.1	2602.1	2311.4	2020.8	1932.0	1843.7	3340.4	4837.1	11913.7
2288.1	80°	2353.5	2354.9	1947.6	1701.8	1455.5	1418.9	1382.3	2152.2	2922.5	7675.8
1699.0	82.5°	1731.1	1711.8	1364.0	1182.7	1001.5	994.1	987.7	1323.7	1660.6	4442.5
1105.4	85°	1139.7	1114.5	855.9	723.2	590.4	594.1	597.3	707.6	818.4	1998.4
489.7	87.5°	503.5	471.4	363.9	309.4	255.4	258.6	261.8	293.4	325.0	654.5
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: P955993
 CATALOG NUMBER: GALN-SB8D-740-U-SLR

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
11927.9	0°	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9
12827.3	2.5°	12875.8	12924.8	12993.9	13063.0	13104.2	13145.4	13166.0	13186.6	13177.5	13186.6
13793.1	5°	13962.9	14133.2	14301.6	14470.5	14562.0	14653.6	14709.0	14764.8	14806.9	14764.8
14763.4	7.5°	15039.9	15315.9	15564.4	15812.9	15962.6	16112.3	16193.3	16273.9	16312.8	16273.9
15507.2	10°	15834.0	16160.8	16452.4	16743.9	16920.6	17096.4	17175.1	17253.4	17283.1	17253.4
15962.6	12.5°	16316.9	16670.7	16934.3	17197.1	17325.2	17453.4	17496.4	17539.4	17544.0	17539.4
16239.5	15°	16545.3	16850.6	17015.8	17181.5	17186.1	17190.7	17144.9	17099.1	17045.1	17099.1
16395.2	17.5°	16601.6	16808.0	16811.2	16814.0	16628.6	16443.2	16273.4	16103.1	15983.2	16103.1
16566.8	20°	16638.7	16711.0	16493.6	16276.1	15867.0	15457.8	15159.8	14861.8	14678.7	14861.8
16765.9	22.5°	16671.6	16577.3	16126.9	15676.6	15074.7	14472.8	14100.2	13727.6	13525.3	13727.6
17022.2	25°	16724.7	16427.2	15743.4	15059.6	14328.6	13597.6	13205.8	12815.0	12623.6	12815.0
17370.1	27.5°	16838.2	16305.9	15400.1	14494.7	13684.6	12874.5	12489.1	12104.1	11923.3	12104.1
17839.2	30°	17046.0	16253.3	15138.3	14023.3	13179.3	12335.3	11977.8	11620.3	11451.9	11620.3
18393.1	32.5°	17306.9	16221.2	14959.8	13698.3	12905.1	12111.9	11831.3	11550.3	11429.0	11550.3
19065.9	35°	17736.7	16408.0	15093.4	13779.3	13228.3	12677.6	12612.2	12546.7	12536.7	12546.7
20198.7	37.5°	18635.2	17071.6	15877.0	14682.4	14646.7	14611.0	14910.3	15209.7	15365.3	15209.7
21910.6	40°	20210.2	18509.8	17621.4	16732.9	17360.0	17987.1	18714.8	19442.6	19805.1	19442.6
24180.8	42.5°	22493.7	20806.6	20294.8	19783.1	21150.8	22518.4	23842.1	25165.8	25943.0	25165.8
26984.3	45°	25468.8	23952.9	23727.2	23501.1	25692.1	27883.7	30058.7	32234.2	33554.7	32234.2
30490.3	47.5°	29016.0	27541.3	27495.5	27449.8	30610.7	33770.7	36955.0	40138.8	42008.6	40138.8
35085.7	50°	33264.5	31443.7	31451.5	31459.3	35532.9	39606.5	43809.7	48012.8	50554.0	48012.8
40360.8	52.5°	38155.6	35950.8	35727.9	35504.5	40370.4	45236.3	50436.8	55636.9	58682.9	55636.9
45976.9	55°	43798.2	41619.5	40750.3	39881.1	45296.8	50711.9	56911.6	63111.3	66734.0	63111.3
51085.0	57.5°	49898.6	48711.7	46968.3	45225.4	50693.6	56161.9	63184.1	70205.8	74698.2	70205.8
54172.2	60°	56014.9	57858.1	55693.2	53528.2	58703.1	63877.9	71396.3	78914.6	83770.0	78914.6
52604.6	62.5°	57639.8	62675.1	62431.1	62186.7	66927.2	71668.2	78821.2	85973.9	90461.7	85973.9
49467.0	65°	54192.8	58918.7	59853.8	60788.4	66812.8	72837.6	79773.7	86709.4	90530.4	86709.4
45262.9	67.5°	49757.6	54252.3	54690.8	55128.8	61405.8	67682.4	74648.3	81614.2	84607.6	81614.2
40212.1	70°	45100.9	49990.1	50186.0	50382.4	55995.7	61608.6	67603.2	73597.4	75261.2	73597.4
34193.2	72.5°	39803.3	45413.9	45554.9	45695.4	50087.2	54478.9	58968.5	63457.8	63626.2	63457.8
26579.2	75°	32385.7	38192.2	38713.5	39234.9	42651.7	46068.5	49228.9	52389.4	51542.7	52389.4
18990.4	77.5°	24410.6	29831.2	30577.3	31323.3	33920.9	36518.4	38759.8	41001.6	39546.1	41001.6
12429.1	80°	16989.3	21549.0	22476.3	23403.6	25365.3	27326.2	28503.4	29680.2	27339.0	29680.2
7224.9	82.5°	10342.4	13460.3	14496.1	15532.4	16882.6	18232.9	18724.0	19214.6	17374.7	19214.6
3178.8	85°	4833.4	6488.0	7369.1	8250.2	9359.7	10468.7	10747.5	11026.2	9552.4	11026.2
984.1	87.5°	1540.2	2096.3	2587.9	3079.5	3634.2	4189.0	4212.8	4236.1	3556.4	4236.1
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: P955993
 CATALOG NUMBER: GALN-SB8D-740-U-SLR

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
11927.9	0°	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9
13166.0	2.5°	13145.4	13104.2	13063.0	12993.9	12924.8	12875.8	12827.3
14709.0	5°	14653.6	14562.0	14470.5	14301.6	14133.2	13962.9	13793.1
16193.3	7.5°	16112.3	15962.6	15812.9	15564.4	15315.9	15039.9	14763.4
17175.1	10°	17096.4	16920.6	16743.9	16452.4	16160.8	15834.0	15507.2
17496.4	12.5°	17453.4	17325.2	17197.1	16934.3	16670.7	16316.9	15962.6
17144.9	15°	17190.7	17186.1	17181.5	17015.8	16850.6	16545.3	16239.5
16273.4	17.5°	16443.2	16628.6	16814.0	16811.2	16808.0	16601.6	16395.2
15159.8	20°	15457.8	15867.0	16276.1	16493.6	16711.0	16638.7	16566.8
14100.2	22.5°	14472.8	15074.7	15676.6	16126.9	16577.3	16671.6	16765.9
13205.8	25°	13597.6	14328.6	15059.6	15743.4	16427.2	16724.7	17022.2
12489.1	27.5°	12874.5	13684.6	14494.7	15400.1	16305.9	16838.2	17370.1
11977.8	30°	12335.3	13179.3	14023.3	15138.3	16253.3	17046.0	17839.2
11831.3	32.5°	12111.9	12905.1	13698.3	14959.8	16221.2	17306.9	18393.1
12612.2	35°	12677.6	13228.3	13779.3	15093.4	16408.0	17736.7	19065.9
14910.3	37.5°	14611.0	14646.7	14682.4	15877.0	17071.6	18635.2	20198.7
18714.8	40°	17987.1	17360.0	16732.9	17621.4	18509.8	20210.2	21910.6
23842.1	42.5°	22518.4	21150.8	19783.1	20294.8	20806.6	22493.7	24180.8
30058.7	45°	27883.7	25692.1	23501.1	23727.2	23952.9	25468.8	26984.3
36955.0	47.5°	33770.7	30610.7	27449.8	27495.5	27541.3	29016.0	30490.3
43809.7	50°	39606.5	35532.9	31459.3	31451.5	31443.7	33264.5	35085.7
50436.8	52.5°	45236.3	40370.4	35504.5	35727.9	35950.8	38155.6	40360.8
56911.6	55°	50711.9	45296.8	39881.1	40750.3	41619.5	43798.2	45976.9
63184.1	57.5°	56161.9	50693.6	45225.4	46968.3	48711.7	49898.6	51085.0
71396.3	60°	63877.9	58703.1	53528.2	55693.2	57858.1	56014.9	54172.2
78821.2	62.5°	71668.2	66927.2	62186.7	62431.1	62675.1	57639.8	52604.6
79773.7	65°	72837.6	66812.8	60788.4	59853.8	58918.7	54192.8	49467.0
74648.3	67.5°	67682.4	61405.8	55128.8	54690.8	54252.3	49757.6	45262.9
67603.2	70°	61608.6	55995.7	50382.4	50186.0	49990.1	45100.9	40212.1
58968.5	72.5°	54478.9	50087.2	45695.4	45554.9	45413.9	39803.3	34193.2
49228.9	75°	46068.5	42651.7	39234.9	38713.5	38192.2	32385.7	26579.2
38759.8	77.5°	36518.4	33920.9	31323.3	30577.3	29831.2	24410.6	18990.4
28503.4	80°	27326.2	25365.3	23403.6	22476.3	21549.0	16989.3	12429.1
18724.0	82.5°	18232.9	16882.6	15532.4	14496.1	13460.3	10342.4	7224.9
10747.5	85°	10468.7	9359.7	8250.2	7369.1	6488.0	4833.4	3178.8
4212.8	87.5°	4189.0	3634.2	3079.5	2587.9	2096.3	1540.2	984.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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