

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: P951728

Luminaire Tested: **GALN-SB5D-750-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951728
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-SB5D-750-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 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: 54189 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

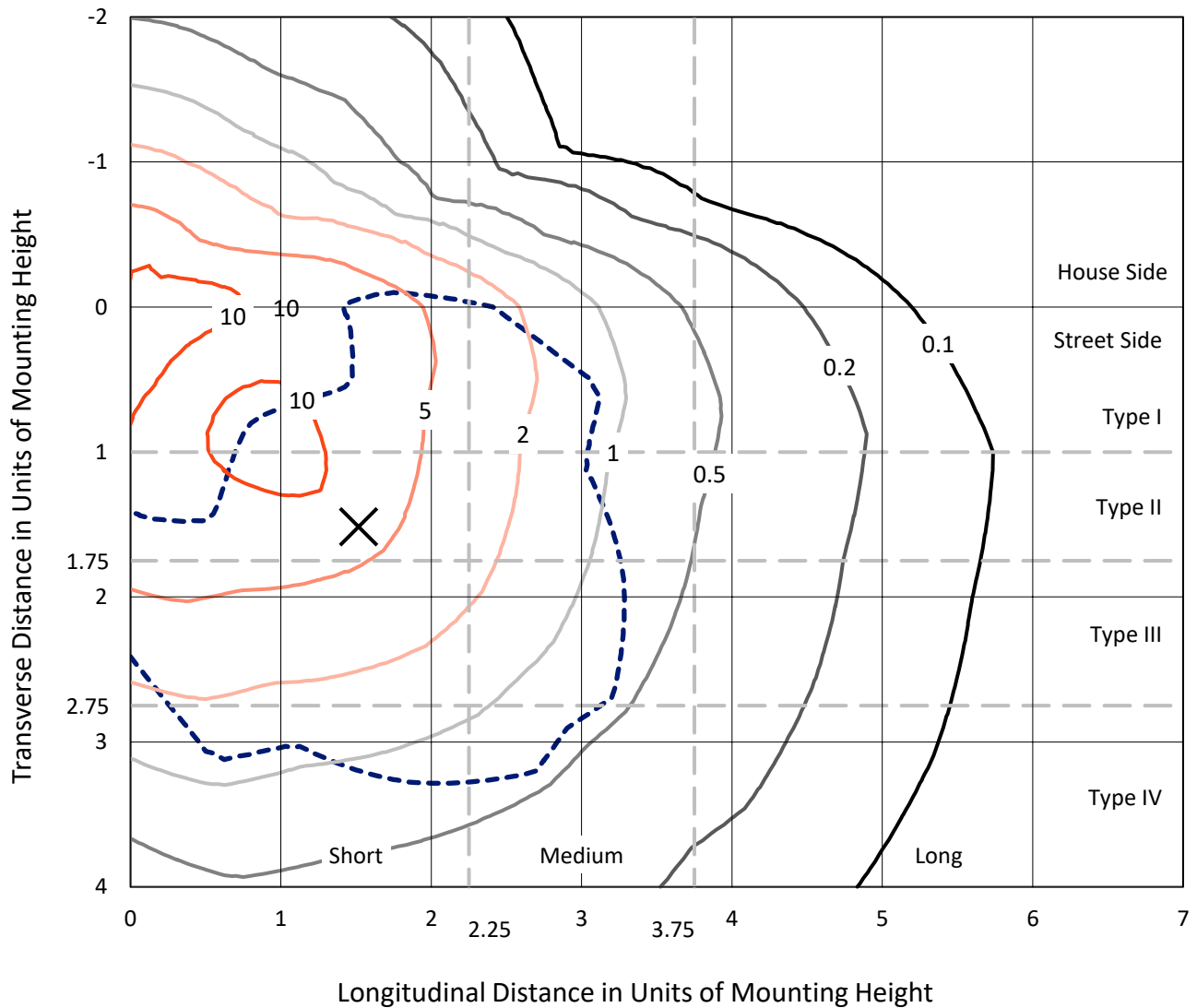
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

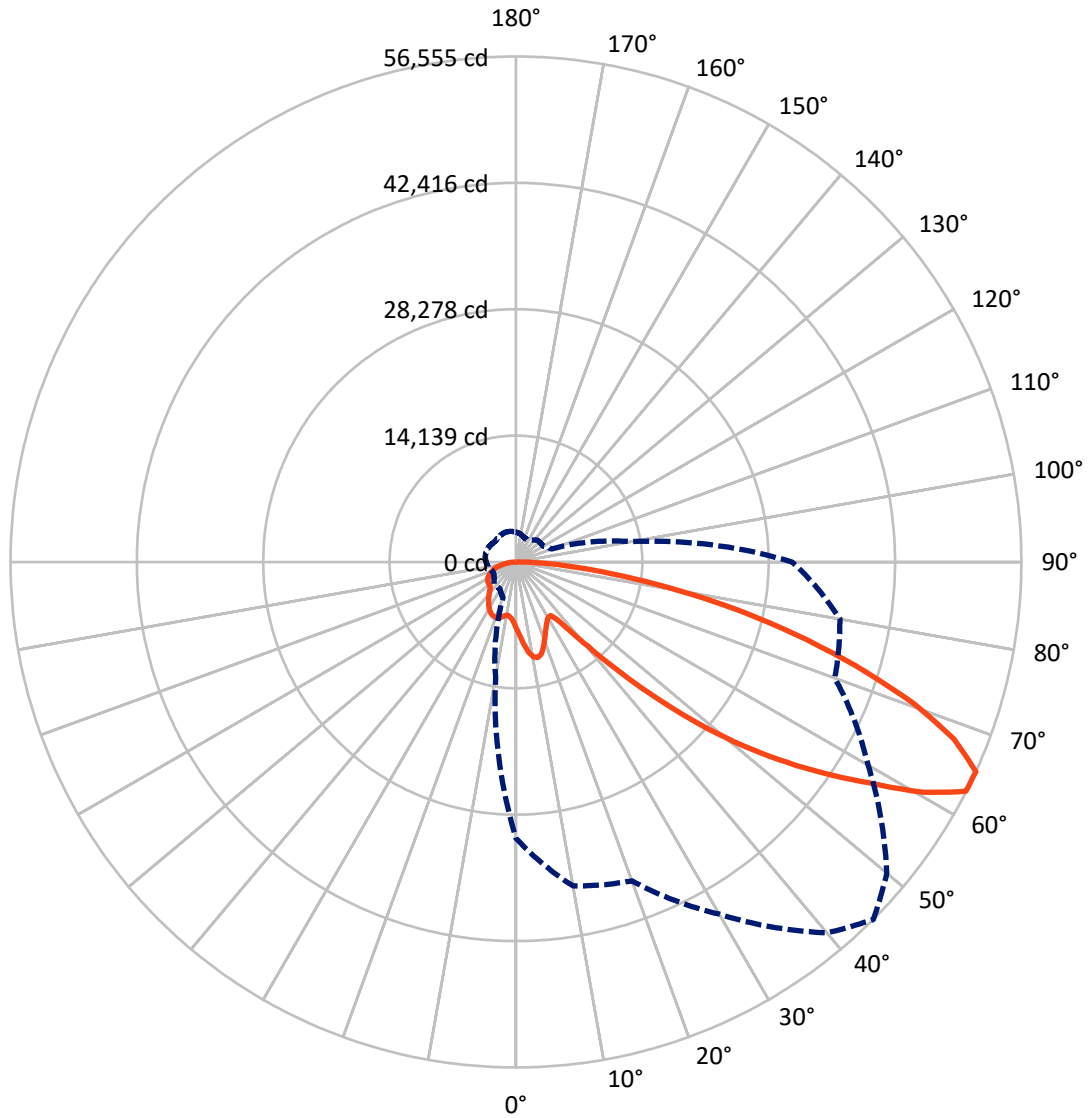
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 fc
 Type IV - Short - N/A

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CATALOG NUMBER: GALN-SB5D-750-U-SLL

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	13772.1	0.0	13772.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	40416.9	0.0	40416.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	54189.0	0.0	54189.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.2	1.4
10°-20°	2320.4	4.3
20°-30°	3584.3	6.6
30°-40°	4542.2	8.4
40°-50°	6850.7	12.6
50°-60°	11068.4	20.4
60°-70°	13798.5	25.5
70°-80°	9048.4	16.7
80°-90°	2237.0	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°	54189.0	100.0
0°-180°	54189.0	100.0



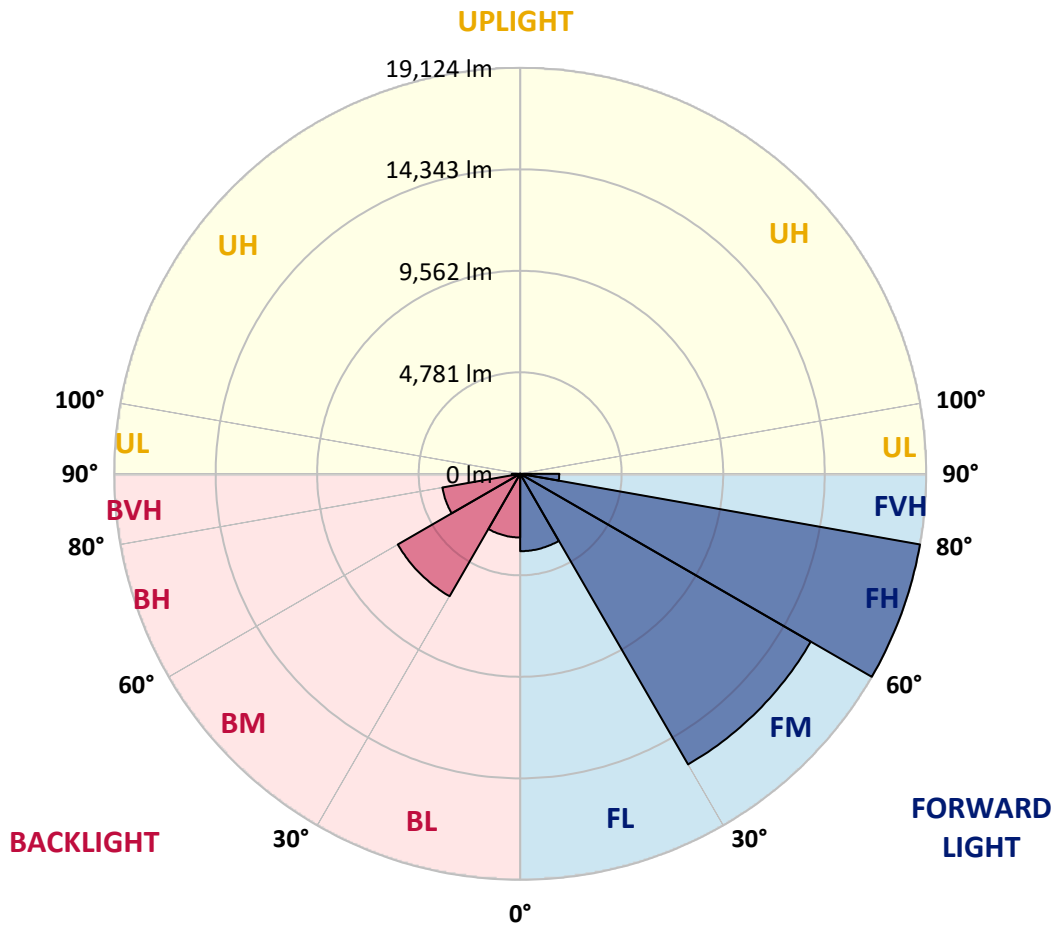
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3644.8	6.7			
FM (30°-60°)	15805.7	29.2			
FH (60°-80°)	19123.5	35.3			G5
FVH (80°-90°)	1842.8	3.4			G5
BL (0°-30°)	2999.0	5.5	B4/5000		
BM (30°-60°)	6655.5	12.3	B4/8500		
BH (60°-80°)	3723.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	394.2	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



REPORT NUMBER: P951728
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
2.5°	8013.3	8043.6	8074.2	8117.4	8160.6	8186.3	8212.0	8224.9	8237.8	8232.1
5°	8616.6	8722.7	8829.1	8934.3	9039.8	9097.0	9154.2	9188.8	9223.7	9250.0
7.5°	9222.8	9395.5	9567.9	9723.2	9878.5	9972.0	10065.5	10116.1	10166.4	10190.7
10°	9687.5	9891.6	10095.8	10277.9	10460.1	10570.4	10680.2	10729.4	10778.3	10796.9
12.5°	9972.0	10193.3	10414.3	10579.0	10743.1	10823.2	10903.3	10930.1	10957.0	10959.9
15°	10145.0	10336.0	10526.7	10629.9	10733.4	10736.3	10739.1	10710.5	10681.9	10648.2
17.5°	10242.2	10371.1	10500.1	10502.1	10503.8	10388.0	10272.2	10166.1	10059.7	9984.8
20°	10349.4	10394.3	10439.5	10303.7	10167.8	9912.2	9656.6	9470.4	9284.3	9169.9
22.5°	10473.8	10414.9	10356.0	10074.6	9793.3	9417.3	9041.3	8808.5	8575.7	8449.4
25°	10633.9	10448.0	10262.2	9835.0	9407.8	8951.2	8494.5	8249.8	8005.6	7886.1
27.5°	10851.2	10519.0	10186.4	9620.6	9055.0	8548.9	8042.8	7802.0	7561.5	7448.6
30°	11144.3	10648.8	10153.5	9457.0	8760.5	8233.2	7705.9	7482.6	7259.3	7154.1
32.5°	11490.3	10811.8	10133.5	9345.5	8557.4	8061.9	7566.4	7391.1	7215.6	7139.8
35°	11910.6	11080.2	10250.2	9429.0	8608.1	8263.8	7919.8	7878.9	7838.0	7831.7
37.5°	12618.3	11641.5	10664.8	9918.5	9172.2	9149.9	9127.6	9314.6	9501.6	9598.8
40°	13687.7	12625.4	11563.2	11008.2	10453.2	10844.9	11236.7	11691.3	12145.9	12372.4
42.5°	15105.9	14052.0	12998.0	12678.3	12358.7	13213.0	14067.4	14894.3	15721.3	16206.8
45°	16857.3	15910.5	14963.5	14822.6	14681.3	16050.1	17419.1	18777.9	20136.9	20961.9
47.5°	19047.5	18126.5	17205.3	17176.7	17148.1	19122.7	21096.8	23086.1	25075.0	26243.1
50°	21918.3	20780.6	19643.1	19648.0	19652.9	22197.7	24742.5	27368.2	29994.0	31581.5
52.5°	25213.7	23836.1	22458.7	22319.5	22179.9	25219.7	28259.5	31508.3	34756.8	36659.7
55°	28722.1	27361.1	26000.0	25457.0	24914.0	28297.2	31680.1	35553.1	39426.1	41689.3
57.5°	31913.2	31172.0	30430.6	29341.5	28252.6	31668.7	35084.7	39471.5	43858.1	46664.5
60°	33841.8	34993.0	36144.4	34791.9	33439.5	36672.2	39905.0	44601.8	49298.5	52331.7
62.5°	32862.5	36008.0	39153.6	39001.2	38848.5	41809.9	44771.6	49240.2	53708.5	56512.1
65°	30902.4	33854.6	36806.9	37391.1	37975.0	41738.4	45502.2	49835.2	54168.0	56555.0
67.5°	28276.1	31083.9	33891.8	34165.7	34439.4	38360.7	42281.7	46633.4	50985.0	52855.0
70°	25120.8	28174.8	31229.2	31351.6	31474.2	34980.9	38487.4	42232.2	45976.8	47016.2
72.5°	21360.7	24865.4	28370.4	28458.5	28546.3	31289.8	34033.4	36838.1	39642.5	39747.8
75°	16604.2	20231.6	23859.0	24184.6	24510.3	26644.8	28779.3	30753.7	32728.1	32199.1
77.5°	11863.4	15249.5	18635.8	19101.9	19567.9	21190.6	22813.3	24213.5	25614.0	24704.7
80°	7764.6	10613.3	13461.8	14041.1	14620.4	15845.9	17070.9	17806.3	18541.4	17078.9
82.5°	4513.5	6461.0	8408.8	9055.8	9703.2	10546.7	11390.2	11697.0	12003.5	10854.1
85°	1985.8	3019.5	4053.1	4603.5	5154.0	5847.1	6539.9	6714.0	6888.2	5967.5
87.5°	614.8	962.2	1309.6	1616.7	1923.8	2270.3	2616.9	2631.7	2646.3	2221.7
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°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
8237.8	2.5°	8224.9	8212.0	8186.3	8160.6	8117.4	8074.2	8043.6	8013.3	7951.8	7890.4
9223.7	5°	9188.8	9154.2	9097.0	9039.8	8934.3	8829.1	8722.7	8616.6	8480.8	8345.0
10166.4	7.5°	10116.1	10065.5	9972.0	9878.5	9723.2	9567.9	9395.5	9222.8	8998.6	8774.8
10778.3	10°	10729.4	10680.2	10570.4	10460.1	10277.9	10095.8	9891.6	9687.5	9404.1	9120.7
10957.0	12.5°	10930.1	10903.3	10823.2	10743.1	10579.0	10414.3	10193.3	9972.0	9660.6	9349.5
10681.9	15°	10710.5	10739.1	10736.3	10733.4	10629.9	10526.7	10336.0	10145.0	9820.4	9495.9
10059.7	17.5°	10166.1	10272.2	10388.0	10503.8	10502.1	10500.1	10371.1	10242.2	9913.1	9584.0
9284.3	20°	9470.4	9656.6	9912.2	10167.8	10303.7	10439.5	10394.3	10349.4	10007.4	9665.2
8575.7	22.5°	8808.5	9041.3	9417.3	9793.3	10074.6	10356.0	10414.9	10473.8	10124.4	9774.7
8005.6	25°	8249.8	8494.5	8951.2	9407.8	9835.0	10262.2	10448.0	10633.9	10291.4	9949.1
7561.5	27.5°	7802.0	8042.8	8548.9	9055.0	9620.6	10186.4	10519.0	10851.2	10524.7	10197.9
7259.3	30°	7482.6	7705.9	8233.2	8760.5	9457.0	10153.5	10648.8	11144.3	10828.6	10513.2
7215.6	32.5°	7391.1	7566.4	8061.9	8557.4	9345.5	10133.5	10811.8	11490.3	11177.8	10865.5
7838.0	35°	7878.9	7919.8	8263.8	8608.1	9429.0	10250.2	11080.2	11910.6	11611.5	11312.1
9501.6	37.5°	9314.6	9127.6	9149.9	9172.2	9918.5	10664.8	11641.5	12618.3	12236.9	11855.4
12145.9	40°	11691.3	11236.7	10844.9	10453.2	11008.2	11563.2	12625.4	13687.7	13131.8	12576.0
15721.3	42.5°	14894.3	14067.4	13213.0	12358.7	12678.3	12998.0	14052.0	15105.9	14303.6	13501.3
20136.9	45°	18777.9	17419.1	16050.1	14681.3	14822.6	14963.5	15910.5	16857.3	15775.0	14692.7
25075.0	47.5°	23086.1	21096.8	19122.7	17148.1	17176.7	17205.3	18126.5	19047.5	17524.4	16000.9
29994.0	50°	27368.2	24742.5	22197.7	19652.9	19648.0	19643.1	20780.6	21918.3	19622.0	17325.3
34756.8	52.5°	31508.3	28259.5	25219.7	22179.9	22319.5	22458.7	23836.1	25213.7	21825.4	18437.1
39426.1	55°	35553.1	31680.1	28297.2	24914.0	25457.0	26000.0	27361.1	28722.1	23778.9	18835.9
43858.1	57.5°	39471.5	35084.7	31668.7	28252.6	29341.5	30430.6	31172.0	31913.2	25163.4	18413.6
49298.5	60°	44601.8	39905.0	36672.2	33439.5	34791.9	36144.4	34993.0	33841.8	25509.4	17176.7
53708.5	62.5°	49240.2	44771.6	41809.9	38848.5	39001.2	39153.6	36008.0	32862.5	24052.5	15242.6
54168.0	65°	49835.2	45502.2	41738.4	37975.0	37391.1	36806.9	33854.6	30902.4	21991.2	13080.1
50985.0	67.5°	46633.4	42281.7	38360.7	34439.4	34165.7	33891.8	31083.9	28276.1	19538.2	10800.3
45976.8	70°	42232.2	38487.4	34980.9	31474.2	31351.6	31229.2	28174.8	25120.8	16861.6	8602.3
39642.5	72.5°	36838.1	34033.4	31289.8	28546.3	28458.5	28370.4	24865.4	21360.7	13959.9	6559.3
32728.1	75°	30753.7	28779.3	26644.8	24510.3	24184.6	23859.0	20231.6	16604.2	10633.6	4663.0
25614.0	77.5°	24213.5	22813.3	21190.6	19567.9	19101.9	18635.8	15249.5	11863.4	7442.6	3021.8
18541.4	80°	17806.3	17070.9	15845.9	14620.4	14041.1	13461.8	10613.3	7764.6	4795.1	1825.7
12003.5	82.5°	11697.0	11390.2	10546.7	9703.2	9055.8	8408.8	6461.0	4513.5	2775.3	1037.4
6888.2	85°	6714.0	6539.9	5847.1	5154.0	4603.5	4053.1	3019.5	1985.8	1248.4	511.3
2646.3	87.5°	2631.7	2616.9	2270.3	1923.8	1616.7	1309.6	962.2	614.8	408.9	203.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
7824.9	2.5°	7759.7	7693.9	7628.2	7565.3	7502.4	7441.4	7373.7	7318.8	7264.2	7214.7
8209.5	5°	8074.2	7937.8	7801.7	7674.5	7547.2	7427.1	7308.5	7205.0	7101.2	7014.3
8567.7	7.5°	8360.7	8159.1	7957.6	7780.0	7602.4	7438.6	7285.0	7147.2	7009.7	6895.3
8847.1	10°	8573.7	8329.0	8083.9	7874.1	7663.6	7461.5	7296.5	7151.2	7006.0	6891.6
9039.5	12.5°	8729.6	8440.8	8152.0	7914.4	7676.8	7464.3	7310.8	7191.8	7073.4	6997.4
9159.6	15°	8823.4	8490.8	8158.3	7883.2	7608.1	7372.8	7249.9	7193.0	7136.4	7146.6
9217.1	17.5°	8850.2	8464.2	8078.2	7747.4	7416.6	7139.8	7064.0	7084.9	7105.5	7230.1
9262.0	20°	8858.8	8391.0	7923.2	7513.2	7103.2	6780.9	6760.9	6858.1	6955.4	7171.8
9322.6	22.5°	8870.3	8301.3	7732.2	7238.4	6744.6	6377.8	6416.9	6560.8	6704.6	6951.6
9432.4	25°	8915.4	8212.6	7510.1	6931.6	6353.5	5977.5	6083.3	6249.1	6414.9	6637.1
9604.0	27.5°	9009.8	8153.4	7297.0	6651.1	6005.2	5662.9	5791.6	5951.7	6111.9	6294.6
9826.1	30°	9139.0	8125.7	7111.8	6416.7	5721.6	5434.2	5535.1	5662.1	5789.6	5941.1
10058.0	32.5°	9250.6	8091.4	6931.6	6214.5	5497.1	5265.5	5310.4	5385.6	5460.8	5581.7
10322.2	35°	9332.3	8026.8	6721.7	6015.8	5309.8	5116.8	5098.2	5118.8	5139.7	5232.0
10618.2	37.5°	9380.9	7916.1	6451.3	5781.9	5112.5	4943.8	4875.8	4852.9	4830.0	4896.3
10993.9	40°	9411.5	7763.7	6116.1	5502.8	4889.5	4736.5	4632.1	4580.4	4528.6	4576.4
11485.4	42.5°	9469.6	7606.4	5743.9	5194.9	4645.9	4504.9	4373.4	4304.7	4236.1	4275.0
12132.2	45°	9571.7	7460.3	5349.3	4867.7	4386.2	4243.3	4116.0	4049.1	3982.5	4015.1
12821.3	47.5°	9641.7	7339.7	5037.6	4609.0	4180.4	3995.9	3886.4	3830.4	3774.3	3805.2
13460.7	50°	9596.0	7208.1	4820.3	4437.1	4054.0	3811.5	3684.3	3634.5	3585.0	3633.1
13875.8	52.5°	9314.3	6986.0	4657.9	4323.9	3990.2	3711.4	3533.6	3484.4	3435.5	3507.8
13784.3	55°	8732.4	6617.7	4502.9	4241.8	3980.8	3721.4	3453.5	3375.7	3298.3	3400.9
13140.4	57.5°	7867.5	6098.4	4329.0	4144.6	3960.2	3731.4	3405.5	3292.3	3179.0	3289.4
11942.1	60°	6707.5	5424.2	4140.9	3995.9	3851.0	3700.0	3360.3	3213.6	3066.6	3163.6
10321.7	62.5°	5400.7	4617.3	3833.8	3737.5	3641.4	3622.8	3307.7	3124.1	2940.8	3002.3
8668.4	65°	4257.0	3891.3	3525.6	3480.1	3434.6	3436.9	3196.7	3001.7	2806.4	2830.2
7048.9	67.5°	3297.4	3193.6	3089.5	3115.0	3140.1	3133.8	2998.9	2836.5	2674.1	2666.6
5550.0	70°	2497.6	2527.4	2556.8	2674.6	2792.2	2792.2	2747.8	2632.3	2516.8	2491.1
4243.0	72.5°	1926.6	2016.1	2105.9	2272.9	2439.6	2467.6	2468.2	2389.0	2309.8	2272.0
3079.5	75°	1496.0	1577.2	1658.4	1845.4	2032.4	2161.7	2150.8	2089.9	2028.7	1992.7
2086.8	77.5°	1151.7	1206.9	1262.4	1444.0	1625.5	1838.6	1832.8	1783.9	1735.1	1698.5
1344.5	80°	863.5	886.4	909.3	1063.1	1216.7	1471.1	1470.3	1429.4	1388.2	1357.6
826.9	82.5°	617.0	621.0	625.6	738.9	852.1	1069.4	1081.4	1061.4	1041.4	1019.6
442.1	85°	373.1	371.1	368.9	451.8	534.7	696.3	712.0	690.5	669.1	644.8
183.3	87.5°	163.6	161.6	159.6	193.3	227.3	294.5	314.5	305.9	297.4	292.8
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: P951728
 CATALOG NUMBER: GALN-SB5D-750-U-SLL

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
7165.5	2.5°	7122.3	7079.2	7035.7	6992.5	6959.1	6925.3	6898.2	6871.0	6849.8	6828.7
6927.6	5°	6851.0	6774.4	6704.9	6635.1	6581.6	6527.9	6490.4	6453.0	6426.4	6399.8
6780.9	7.5°	6684.6	6587.9	6502.7	6417.8	6354.0	6290.6	6246.0	6201.3	6170.8	6140.4
6777.2	10°	6673.4	6569.3	6473.6	6377.8	6301.7	6225.4	6175.6	6125.3	6096.4	6067.5
6921.9	12.5°	6840.1	6758.9	6659.7	6560.8	6463.6	6366.3	6302.0	6237.7	6205.4	6173.3
7156.9	15°	7135.8	7114.6	7028.6	6942.5	6804.1	6665.7	6567.9	6470.1	6425.2	6380.6
7354.8	17.5°	7421.1	7487.2	7417.7	7348.5	7165.2	6981.9	6837.8	6693.7	6627.4	6560.8
7388.5	20°	7527.2	7665.9	7633.9	7601.6	7392.0	7182.7	7006.0	6829.5	6744.6	6659.4
7199.3	22.5°	7379.7	7560.1	7579.6	7598.7	7398.6	7198.4	7016.5	6834.4	6744.9	6655.1
6859.6	25°	7037.1	7214.7	7281.0	7347.1	7183.0	7019.1	6857.3	6696.0	6618.2	6540.8
6477.0	27.5°	6619.4	6761.8	6835.6	6909.6	6792.7	6676.0	6550.5	6424.9	6372.9	6320.6
6092.7	30°	6210.8	6329.2	6389.2	6449.3	6360.3	6271.1	6181.3	6091.0	6064.4	6037.5
5703.0	32.5°	5816.2	5929.7	5996.3	6063.2	5981.5	5899.4	5827.6	5755.9	5738.4	5721.0
5324.1	35°	5436.2	5548.6	5628.6	5708.7	5650.4	5592.3	5526.0	5459.9	5433.3	5407.0
4962.4	37.5°	5074.2	5186.3	5285.2	5384.1	5357.3	5330.4	5269.5	5208.3	5160.0	5111.9
4624.1	40°	4732.2	4840.3	4954.1	5068.2	5074.8	5081.1	5029.3	4977.5	4907.2	4837.4
4314.2	42.5°	4416.5	4519.2	4642.1	4765.1	4798.0	4830.9	4787.1	4743.7	4656.4	4569.2
4048.3	45°	4145.5	4242.7	4370.2	4497.8	4544.9	4592.1	4552.6	4513.5	4413.7	4314.2
3835.8	47.5°	3931.0	4026.0	4151.8	4277.6	4331.9	4386.2	4358.8	4331.3	4242.7	4154.1
3681.4	50°	3771.2	3860.7	3973.3	4086.0	4155.8	4225.5	4223.8	4222.7	4151.8	4080.9
3579.9	52.5°	3662.2	3744.3	3849.3	3954.5	4037.1	4119.7	4134.6	4149.5	4091.7	4034.0
3503.3	55°	3591.9	3680.5	3772.6	3864.4	3951.9	4039.7	4060.3	4080.9	4030.5	3980.2
3399.8	57.5°	3503.8	3607.9	3698.8	3790.1	3878.4	3966.5	3987.4	4008.2	3957.3	3906.4
3260.2	60°	3379.7	3499.3	3591.6	3684.3	3772.9	3861.5	3884.4	3907.3	3857.5	3808.1
3063.8	62.5°	3203.0	3342.6	3441.2	3539.9	3621.1	3702.3	3724.3	3746.3	3701.4	3656.5
2853.6	65°	3002.9	3152.4	3246.8	3341.1	3412.6	3484.1	3506.7	3529.0	3485.8	3442.7
2659.2	67.5°	2797.0	2935.1	3024.6	3113.8	3175.6	3237.4	3259.4	3281.1	3241.4	3201.9
2465.3	70°	2586.6	2707.8	2785.0	2862.2	2918.0	2973.7	2994.9	3016.0	2983.7	2951.4
2234.6	72.5°	2330.1	2425.3	2495.1	2564.8	2619.4	2674.1	2699.2	2724.4	2697.5	2670.6
1956.4	75°	2027.3	2098.2	2161.4	2224.6	2274.3	2324.1	2350.4	2376.7	2363.5	2350.4
1661.9	77.5°	1719.6	1777.1	1831.4	1885.7	1938.1	1990.1	2014.7	2039.3	2021.0	2002.1
1326.7	80°	1374.8	1422.5	1468.3	1514.0	1553.8	1593.2	1625.8	1658.4	1650.4	1642.7
997.9	82.5°	993.9	989.9	973.9	957.9	1042.5	1127.2	1182.6	1238.1	1234.7	1230.9
620.5	85°	599.9	579.0	534.7	490.4	569.6	649.1	717.7	786.3	780.6	774.9
288.2	87.5°	287.4	286.5	252.8	218.7	251.9	285.4	313.1	340.8	334.0	326.5
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°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
6809.2	2.5°	6789.5	6765.2	6789.5	6809.2	6828.7	6849.8	6871.0	6898.2	6925.3	6959.1
6379.5	5°	6359.2	6339.2	6359.2	6379.5	6399.8	6426.4	6453.0	6490.4	6527.9	6581.6
6122.1	7.5°	6104.1	6090.4	6104.1	6122.1	6140.4	6170.8	6201.3	6246.0	6290.6	6354.0
6052.1	10°	6036.7	6030.4	6036.7	6052.1	6067.5	6096.4	6125.3	6175.6	6225.4	6301.7
6160.2	12.5°	6147.0	6144.7	6147.0	6160.2	6173.3	6205.4	6237.7	6302.0	6366.3	6463.6
6363.5	15°	6346.3	6344.9	6346.3	6363.5	6380.6	6425.2	6470.1	6567.9	6665.7	6804.1
6539.0	17.5°	6517.0	6513.6	6517.0	6539.0	6560.8	6627.4	6693.7	6837.8	6981.9	7165.2
6632.3	20°	6605.1	6596.5	6605.1	6632.3	6659.4	6744.6	6829.5	7006.0	7182.7	7392.0
6625.1	22.5°	6595.1	6582.2	6595.1	6625.1	6655.1	6744.9	6834.4	7016.5	7198.4	7398.6
6512.4	25°	6484.4	6467.8	6484.4	6512.4	6540.8	6618.2	6696.0	6857.3	7019.1	7183.0
6307.7	27.5°	6294.8	6290.6	6294.8	6307.7	6320.6	6372.9	6424.9	6550.5	6676.0	6792.7
6037.5	30°	6037.5	6041.8	6037.5	6037.5	6037.5	6064.4	6091.0	6181.3	6271.1	6360.3
5723.3	32.5°	5725.8	5730.1	5725.8	5723.3	5721.0	5738.4	5755.9	5827.6	5899.4	5981.5
5401.3	35°	5395.6	5392.7	5395.6	5401.3	5407.0	5433.3	5459.9	5526.0	5592.3	5650.4
5086.5	37.5°	5061.0	5046.7	5061.0	5086.5	5111.9	5160.0	5208.3	5269.5	5330.4	5357.3
4790.0	40°	4743.1	4715.1	4743.1	4790.0	4837.4	4907.2	4977.5	5029.3	5081.1	5074.8
4500.3	42.5°	4431.4	4386.2	4431.4	4500.3	4569.2	4656.4	4743.7	4787.1	4830.9	4798.0
4233.3	45°	4152.3	4100.3	4152.3	4233.3	4314.2	4413.7	4513.5	4552.6	4592.1	4544.9
4079.1	47.5°	4004.5	3954.5	4004.5	4079.1	4154.1	4242.7	4331.3	4358.8	4386.2	4331.9
4011.7	50°	3942.5	3894.4	3942.5	4011.7	4080.9	4151.8	4222.7	4223.8	4225.5	4155.8
3971.9	52.5°	3910.2	3865.8	3910.2	3971.9	4034.0	4091.7	4149.5	4134.6	4119.7	4037.1
3925.9	55°	3871.6	3831.5	3871.6	3925.9	3980.2	4030.5	4080.9	4060.3	4039.7	3951.9
3852.7	57.5°	3798.6	3757.2	3798.6	3852.7	3906.4	3957.3	4008.2	3987.4	3966.5	3878.4
3752.6	60°	3697.1	3654.2	3697.1	3752.6	3808.1	3857.5	3907.3	3884.4	3861.5	3772.9
3598.2	62.5°	3539.9	3488.4	3539.9	3598.2	3656.5	3701.4	3746.3	3724.3	3702.3	3621.1
3386.0	65°	3329.7	3285.4	3329.7	3386.0	3442.7	3485.8	3529.0	3506.7	3484.1	3412.6
3149.3	67.5°	3096.7	3056.6	3096.7	3149.3	3201.9	3241.4	3281.1	3259.4	3237.4	3175.6
2901.1	70°	2850.8	2805.0	2850.8	2901.1	2951.4	2983.7	3016.0	2994.9	2973.7	2918.0
2622.6	72.5°	2574.8	2530.5	2574.8	2622.6	2670.6	2697.5	2724.4	2699.2	2674.1	2619.4
2310.1	75°	2269.7	2227.4	2269.7	2310.1	2350.4	2363.5	2376.7	2350.4	2324.1	2274.3
1961.5	77.5°	1920.9	1887.2	1920.9	1961.5	2002.1	2021.0	2039.3	2014.7	1990.1	1938.1
1588.1	80°	1533.2	1469.7	1533.2	1588.1	1642.7	1650.4	1658.4	1625.8	1593.2	1553.8
1184.9	82.5°	1138.6	1098.0	1138.6	1184.9	1230.9	1234.7	1238.1	1182.6	1127.2	1042.5
738.9	85°	702.8	666.2	702.8	738.9	774.9	780.6	786.3	717.7	649.1	569.6
308.2	87.5°	289.4	271.6	289.4	308.2	326.5	334.0	340.8	313.1	285.4	251.9
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°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
6992.5	2.5°	7035.7	7079.2	7122.3	7165.5	7214.7	7264.2	7318.8	7373.7	7441.4	7502.4
6635.1	5°	6704.9	6774.4	6851.0	6927.6	7014.3	7101.2	7205.0	7308.5	7427.1	7547.2
6417.8	7.5°	6502.7	6587.9	6684.6	6780.9	6895.3	7009.7	7147.2	7285.0	7438.6	7602.4
6377.8	10°	6473.6	6569.3	6673.4	6777.2	6891.6	7006.0	7151.2	7296.5	7461.5	7663.6
6560.8	12.5°	6659.7	6758.9	6840.1	6921.9	6997.4	7073.4	7191.8	7310.8	7464.3	7676.8
6942.5	15°	7028.6	7114.6	7135.8	7156.9	7146.6	7136.4	7193.0	7249.9	7372.8	7608.1
7348.5	17.5°	7417.7	7487.2	7421.1	7354.8	7230.1	7105.5	7084.9	7064.0	7139.8	7416.6
7601.6	20°	7633.9	7665.9	7527.2	7388.5	7171.8	6955.4	6858.1	6760.9	6780.9	7103.2
7598.7	22.5°	7579.6	7560.1	7379.7	7199.3	6951.6	6704.6	6560.8	6416.9	6377.8	6744.6
7347.1	25°	7281.0	7214.7	7037.1	6859.6	6637.1	6414.9	6249.1	6083.3	5977.5	6353.5
6909.6	27.5°	6835.6	6761.8	6619.4	6477.0	6294.6	6111.9	5951.7	5791.6	5662.9	6005.2
6449.3	30°	6389.2	6329.2	6210.8	6092.7	5941.1	5789.6	5662.1	5535.1	5434.2	5721.6
6063.2	32.5°	5996.3	5929.7	5816.2	5703.0	5581.7	5460.8	5385.6	5310.4	5265.5	5497.1
5708.7	35°	5628.6	5548.6	5436.2	5324.1	5232.0	5139.7	5118.8	5098.2	5116.8	5309.8
5384.1	37.5°	5285.2	5186.3	5074.2	4962.4	4896.3	4830.0	4852.9	4875.8	4943.8	5112.5
5068.2	40°	4954.1	4840.3	4732.2	4624.1	4576.4	4528.6	4580.4	4632.1	4736.5	4889.5
4765.1	42.5°	4642.1	4519.2	4416.5	4314.2	4275.0	4236.1	4304.7	4373.4	4504.9	4645.9
4497.8	45°	4370.2	4242.7	4145.5	4048.3	4015.1	3982.5	4049.1	4116.0	4243.3	4386.2
4277.6	47.5°	4151.8	4026.0	3931.0	3835.8	3805.2	3774.3	3830.4	3886.4	3995.9	4180.4
4086.0	50°	3973.3	3860.7	3771.2	3681.4	3633.1	3585.0	3634.5	3684.3	3811.5	4054.0
3954.5	52.5°	3849.3	3744.3	3662.2	3579.9	3507.8	3435.5	3484.4	3533.6	3711.4	3990.2
3864.4	55°	3772.6	3680.5	3591.9	3503.3	3400.9	3298.3	3375.7	3453.5	3721.4	3980.8
3790.1	57.5°	3698.8	3607.9	3503.8	3399.8	3289.4	3179.0	3292.3	3405.5	3731.4	3960.2
3684.3	60°	3591.6	3499.3	3379.7	3260.2	3163.6	3066.6	3213.6	3360.3	3700.0	3851.0
3539.9	62.5°	3441.2	3342.6	3203.0	3063.8	3002.3	2940.8	3124.1	3307.7	3622.8	3641.4
3341.1	65°	3246.8	3152.4	3002.9	2853.6	2830.2	2806.4	3001.7	3196.7	3436.9	3434.6
3113.8	67.5°	3024.6	2935.1	2797.0	2659.2	2666.6	2674.1	2836.5	2998.9	3133.8	3140.1
2862.2	70°	2785.0	2707.8	2586.6	2465.3	2491.1	2516.8	2632.3	2747.8	2792.2	2792.2
2564.8	72.5°	2495.1	2425.3	2330.1	2234.6	2272.0	2309.8	2389.0	2468.2	2467.6	2439.6
2224.6	75°	2161.4	2098.2	2027.3	1956.4	1992.7	2028.7	2089.9	2150.8	2161.7	2032.4
1885.7	77.5°	1831.4	1777.1	1719.6	1661.9	1698.5	1735.1	1783.9	1832.8	1838.6	1625.5
1514.0	80°	1468.3	1422.5	1374.8	1326.7	1357.6	1388.2	1429.4	1470.3	1471.1	1216.7
957.9	82.5°	973.9	989.9	993.9	997.9	1019.6	1041.4	1061.4	1081.4	1069.4	852.1
490.4	85°	534.7	579.0	599.9	620.5	644.8	669.1	690.5	712.0	696.3	534.7
218.7	87.5°	252.8	286.5	287.4	288.2	292.8	297.4	305.9	314.5	294.5	227.3
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°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
7565.3	2.5°	7628.2	7693.9	7759.7	7824.9	7890.4	7951.8	8013.3
7674.5	5°	7801.7	7937.8	8074.2	8209.5	8345.0	8480.8	8616.6
7780.0	7.5°	7957.6	8159.1	8360.7	8567.7	8774.8	8998.6	9222.8
7874.1	10°	8083.9	8329.0	8573.7	8847.1	9120.7	9404.1	9687.5
7914.4	12.5°	8152.0	8440.8	8729.6	9039.5	9349.5	9660.6	9972.0
7883.2	15°	8158.3	8490.8	8823.4	9159.6	9495.9	9820.4	10145.0
7747.4	17.5°	8078.2	8464.2	8850.2	9217.1	9584.0	9913.1	10242.2
7513.2	20°	7923.2	8391.0	8858.8	9262.0	9665.2	10007.4	10349.4
7238.4	22.5°	7732.2	8301.3	8870.3	9322.6	9774.7	10124.4	10473.8
6931.6	25°	7510.1	8212.6	8915.4	9432.4	9949.1	10291.4	10633.9
6651.1	27.5°	7297.0	8153.4	9009.8	9604.0	10197.9	10524.7	10851.2
6416.7	30°	7111.8	8125.7	9139.0	9826.1	10513.2	10828.6	11144.3
6214.5	32.5°	6931.6	8091.4	9250.6	10058.0	10865.5	11177.8	11490.3
6015.8	35°	6721.7	8026.8	9332.3	10322.2	11312.1	11611.5	11910.6
5781.9	37.5°	6451.3	7916.1	9380.9	10618.2	11855.4	12236.9	12618.3
5502.8	40°	6116.1	7763.7	9411.5	10993.9	12576.0	13131.8	13687.7
5194.9	42.5°	5743.9	7606.4	9469.6	11485.4	13501.3	14303.6	15105.9
4867.7	45°	5349.3	7460.3	9571.7	12132.2	14692.7	15775.0	16857.3
4609.0	47.5°	5037.6	7339.7	9641.7	12821.3	16000.9	17524.4	19047.5
4437.1	50°	4820.3	7208.1	9596.0	13460.7	17325.3	19622.0	21918.3
4323.9	52.5°	4657.9	6986.0	9314.3	13875.8	18437.1	21825.4	25213.7
4241.8	55°	4502.9	6617.7	8732.4	13784.3	18835.9	23778.9	28722.1
4144.6	57.5°	4329.0	6098.4	7867.5	13140.4	18413.6	25163.4	31913.2
3995.9	60°	4140.9	5424.2	6707.5	11942.1	17176.7	25509.4	33841.8
3737.5	62.5°	3833.8	4617.3	5400.7	10321.7	15242.6	24052.5	32862.5
3480.1	65°	3525.6	3891.3	4257.0	8668.4	13080.1	21991.2	30902.4
3115.0	67.5°	3089.5	3193.6	3297.4	7048.9	10800.3	19538.2	28276.1
2674.6	70°	2556.8	2527.4	2497.6	5550.0	8602.3	16861.6	25120.8
2272.9	72.5°	2105.9	2016.1	1926.6	4243.0	6559.3	13959.9	21360.7
1845.4	75°	1658.4	1577.2	1496.0	3079.5	4663.0	10633.6	16604.2
1444.0	77.5°	1262.4	1206.9	1151.7	2086.8	3021.8	7442.6	11863.4
1063.1	80°	909.3	886.4	863.5	1344.5	1825.7	4795.1	7764.6
738.9	82.5°	625.6	621.0	617.0	826.9	1037.4	2775.3	4513.5
451.8	85°	368.9	371.1	373.1	442.1	511.3	1248.4	1985.8
193.3	87.5°	159.6	161.6	163.6	183.3	203.0	408.9	614.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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