

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: P943295

Luminaire Tested: **GALN-SB7C-950-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943295  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB7C-950-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36711 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

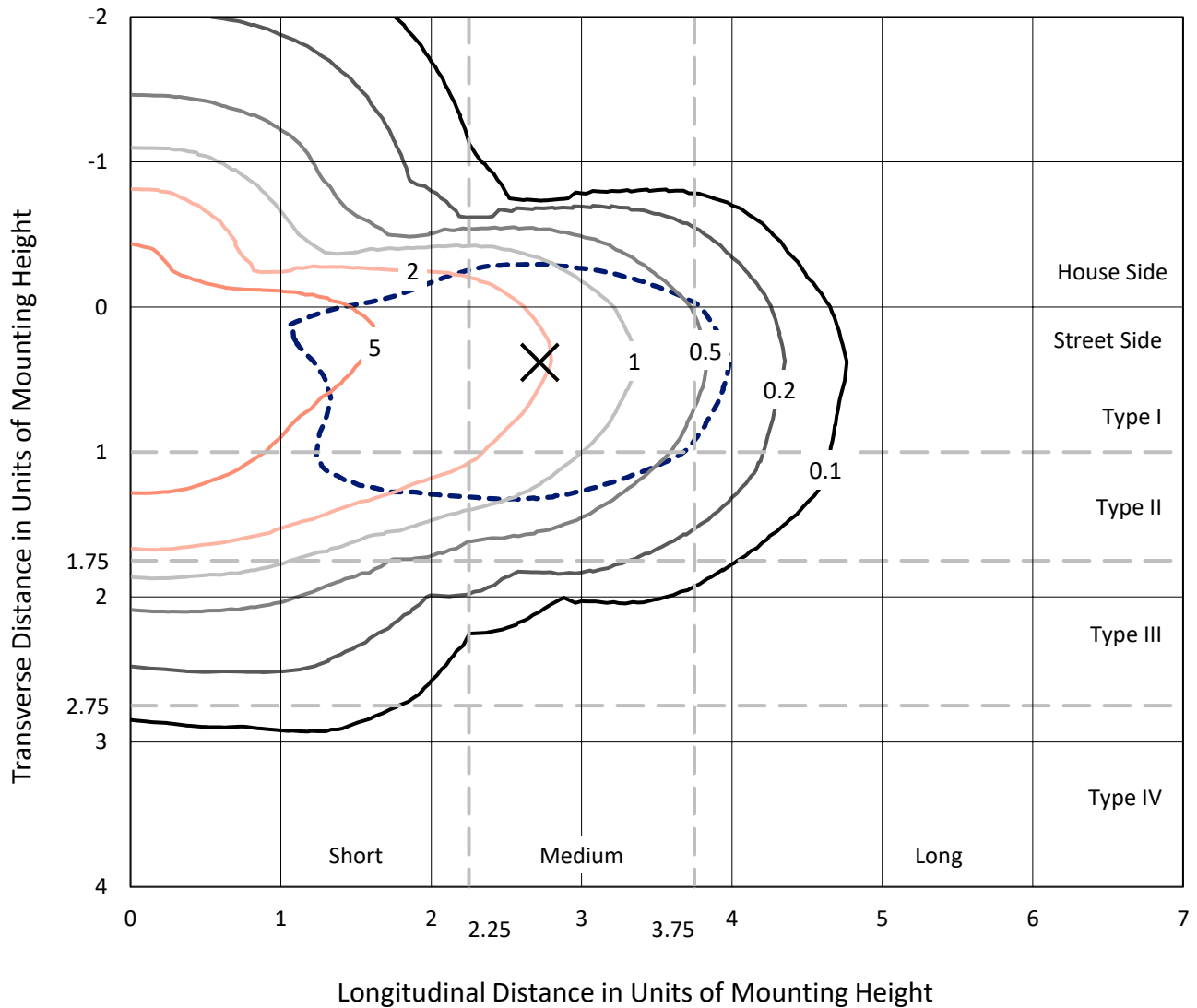
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

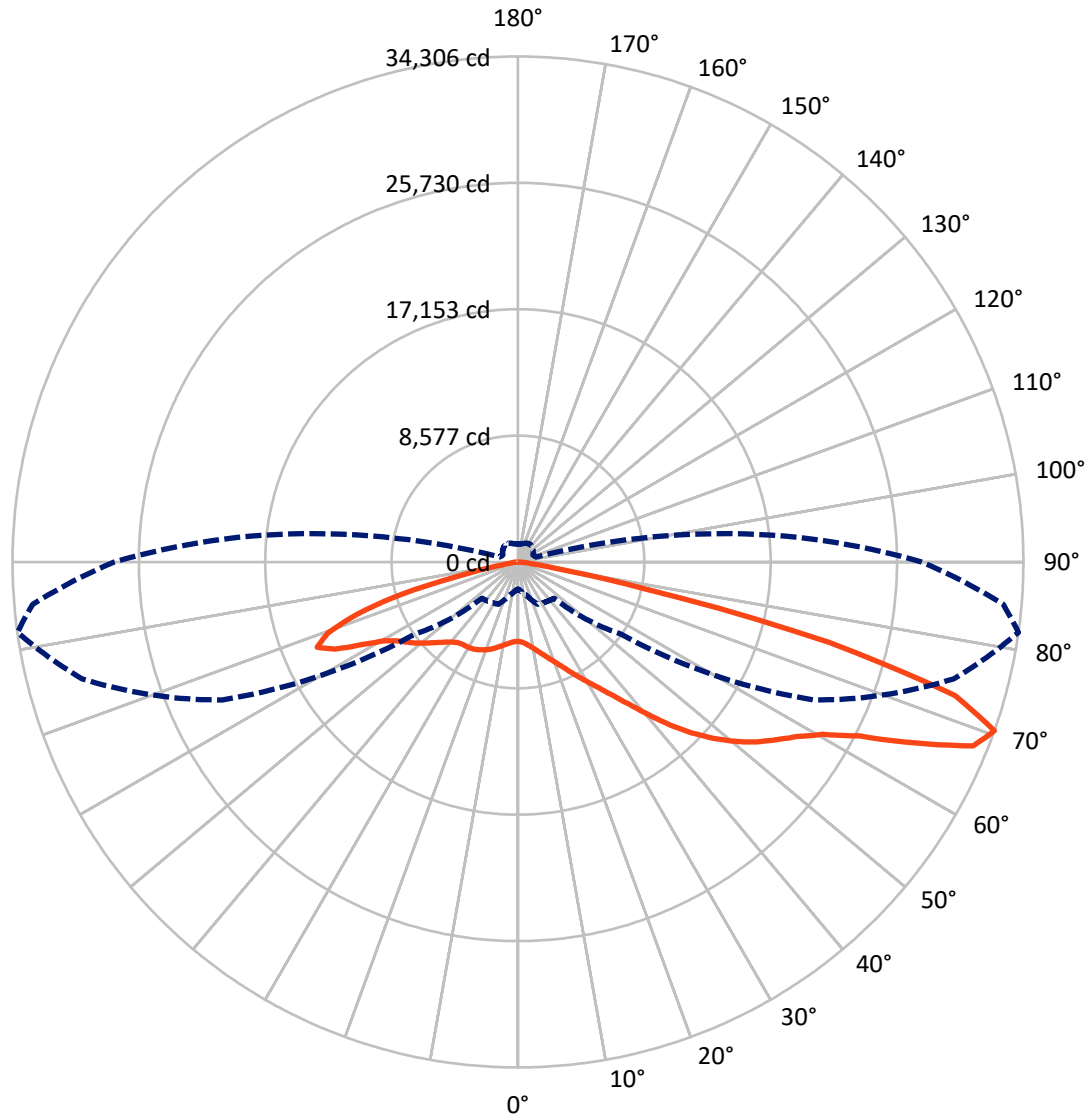
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9050.2	0.0	9050.2
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	27660.8	0.0	27660.8
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	36711.0	0.0	36711.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	508.2	1.4
10°-20°	1460.0	4.0
20°-30°	2442.5	6.7
30°-40°	3815.8	10.4
40°-50°	6077.1	16.6
50°-60°	8457.1	23.0
60°-70°	8846.5	24.1
70°-80°	4623.7	12.6
80°-90°	480.1	1.3
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°	36711.0	100.0
0°-180°	36711.0	100.0

**Coefficient of Utilization**

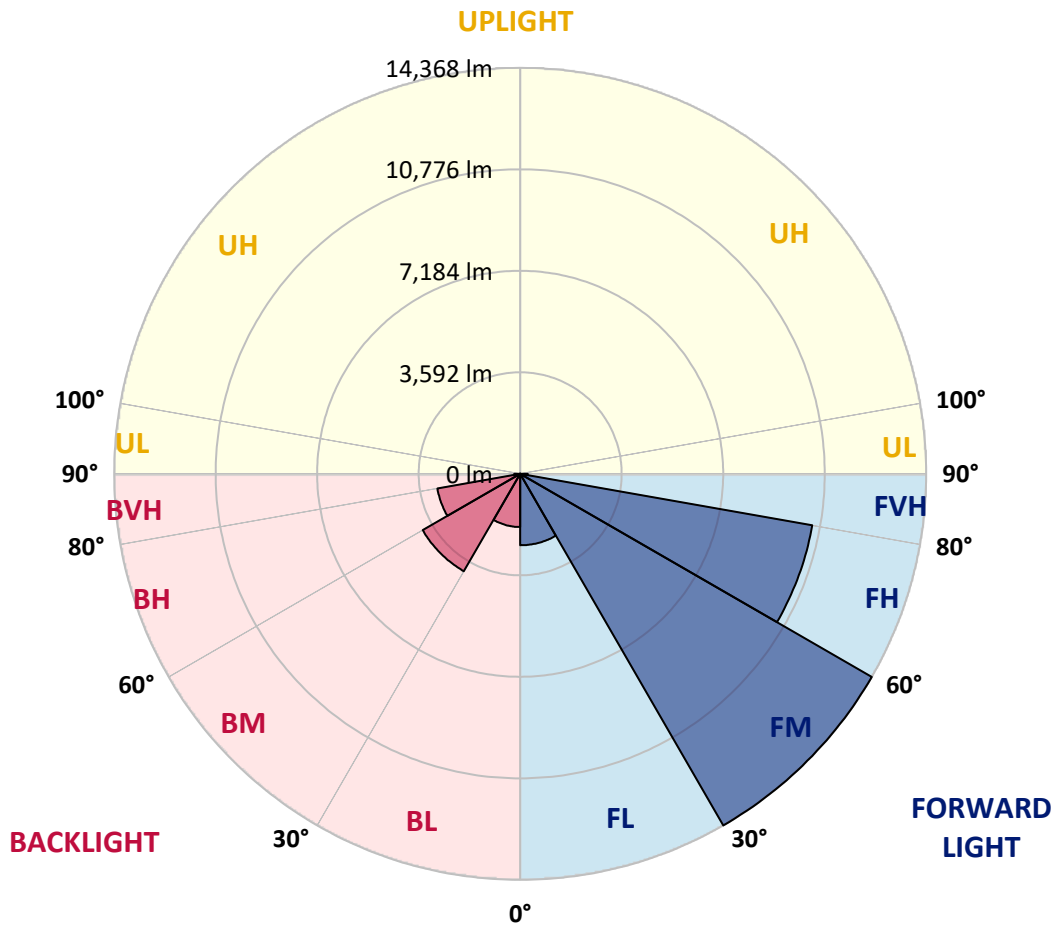


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2528.0	6.9			
FM (30°-60°)	14368.3	39.1			
FH (60°-80°)	10495.8	28.6			G4/12000
FVH (80°-90°)	268.8	0.7			G3/500
BL (0°-30°)	1882.8	5.1	B3/2500		
BM (30°-60°)	3981.7	10.8	B3/5000		
BH (60°-80°)	2974.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	211.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5382.3	5382.3	5382.3	5382.3	5382.3	5382.3	5382.3	5382.3	5382.3	5382.3
2.5°	5510.9	5542.0	5532.3	5522.5	5522.5	5508.9	5507.0	5487.5	5471.9	5446.6
5°	5581.0	5614.1	5610.2	5618.0	5643.3	5649.2	5655.0	5643.3	5612.2	5581.0
7.5°	5518.7	5555.7	5567.4	5614.1	5692.0	5762.1	5814.7	5836.2	5807.0	5762.1
10°	5308.3	5349.2	5390.1	5501.1	5639.4	5805.0	5945.3	6029.0	6023.2	5980.3
12.5°	4881.7	4924.5	5012.2	5228.4	5481.6	5773.8	6034.9	6210.2	6270.6	6239.4
15°	4540.8	4577.8	4644.0	4866.1	5195.3	5639.4	6068.0	6408.9	6562.8	6545.2
17.5°	4531.0	4546.6	4587.5	4692.7	4945.9	5429.0	6032.9	6603.7	6897.8	6895.9
20°	4702.4	4708.3	4731.7	4753.1	4897.2	5269.3	5943.3	6765.4	7273.8	7273.8
22.5°	4940.1	4936.2	4959.6	4940.1	5010.2	5255.7	5886.8	6907.6	7692.6	7723.8
25°	5296.6	5277.1	5271.3	5226.5	5240.1	5382.3	5949.2	7069.2	8189.3	8253.6
27.5°	5771.9	5740.7	5719.3	5616.1	5581.0	5643.3	6140.1	7264.0	8742.6	8853.6
30°	6391.3	6334.9	6303.7	6124.5	5997.9	6007.6	6428.4	7523.1	9321.1	9500.3
32.5°	7236.8	7149.1	7065.4	6771.2	6539.4	6463.4	6800.4	7881.6	9948.4	10234.7
35°	8183.5	8113.4	8023.8	7569.9	7213.4	7038.1	7303.0	8382.2	10682.8	11136.6
37.5°	9095.2	9034.8	9077.6	8466.0	8006.2	7751.0	7961.4	9054.2	11588.6	12258.7
40°	10038.0	9991.2	9997.1	9412.7	8877.0	8590.6	8760.1	9897.7	12626.9	13593.1
42.5°	11062.6	11027.6	10910.7	10392.5	9790.6	9523.7	9679.6	10871.7	13741.1	15112.5
45°	12210.0	12188.6	12079.5	11485.3	10795.8	10495.8	10706.1	11947.0	14861.2	16542.3
47.5°	13201.5	13219.0	13205.4	12704.8	11989.9	11549.6	11800.9	13069.1	15903.4	17886.4
50°	13678.8	13770.3	13904.7	13748.9	13304.8	12856.7	12905.4	14152.1	16896.9	19146.8
52.5°	13429.4	13602.8	13969.0	14218.4	14389.8	14296.3	14165.8	15227.4	17831.9	20284.4
55°	12500.2	12743.7	13351.5	13953.4	14828.1	15507.9	15679.4	16419.6	18743.5	21285.7
57.5°	10807.4	11202.9	11748.3	12965.8	14438.5	16094.3	17444.2	18073.4	19709.7	22355.1
60°	7904.9	8434.8	9112.7	10924.3	13074.9	15780.7	18946.1	20613.6	21083.1	23740.1
62.5°	5058.9	5386.2	6009.5	7716.0	10188.0	14173.6	19405.9	23788.8	23410.9	26011.5
65°	3463.5	3673.9	4244.7	5203.1	6586.1	10550.3	18174.7	26169.3	27108.2	29611.4
67.5°	2516.8	2676.5	3163.5	4003.1	4291.4	6243.3	14103.4	26060.2	30702.2	33320.3
70°	1835.0	1948.0	2357.1	3163.5	3301.8	3473.3	8543.9	22152.5	30624.3	34306.0
72.5°	1359.7	1437.6	1712.3	2454.5	2672.6	2345.4	4229.1	16100.1	26315.4	31029.5
75°	983.7	1042.2	1244.8	1877.9	2138.9	1786.3	2109.7	9408.8	18355.9	21827.2
77.5°	751.9	796.7	929.2	1375.3	1712.3	1340.2	1309.0	4328.4	8703.6	8746.5
80°	603.9	633.1	705.2	968.2	1312.9	1003.2	853.2	1747.3	2750.6	2327.8
82.5°	444.1	492.8	596.1	679.8	938.9	691.5	520.1	882.4	1046.1	900.0
85°	253.2	286.4	360.4	487.0	600.0	422.7	298.0	391.5	487.0	399.3
87.5°	89.6	116.9	126.6	190.9	261.0	175.3	114.9	113.0	159.7	118.8
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):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5382.3	0°	5382.3	5382.3	5382.3	5382.3	5382.3	5382.3	5382.3	5382.3	5382.3	5382.3
5440.7	2.5°	5421.3	5411.5	5372.6	5320.0	5265.4	5212.8	5195.3	5158.3	5132.9	5119.3
5567.4	5°	5530.3	5499.2	5407.6	5290.7	5168.0	5035.5	4942.0	4856.3	4794.0	4735.6
5740.7	7.5°	5686.2	5631.6	5473.8	5269.3	5051.1	4831.0	4667.4	4542.7	4458.9	4404.4
5943.3	10°	5867.3	5783.6	5542.0	5236.2	4899.2	4583.6	4390.8	4283.6	4231.0	4201.8
6175.1	12.5°	6075.8	5956.9	5612.2	5160.2	4667.4	4307.0	4174.5	4143.4	4145.3	4147.3
6467.3	15°	6332.9	6167.3	5668.6	4994.6	4365.4	4094.7	4071.3	4121.9	4174.5	4199.9
6798.5	17.5°	6623.2	6389.4	5678.4	4721.9	4069.3	3958.3	4032.3	4141.4	4221.3	4256.4
7168.6	20°	6934.8	6615.4	5608.3	4336.2	3825.8	3847.3	3979.7	4120.0	4207.7	4252.5
7591.3	22.5°	7291.3	6856.9	5440.7	3931.0	3627.2	3726.5	3882.3	4018.7	4110.3	4155.1
8088.0	25°	7698.4	7127.7	5177.8	3590.1	3455.7	3590.1	3746.0	3859.0	3933.0	3973.9
8643.2	27.5°	8150.4	7410.1	4827.1	3319.4	3305.7	3449.9	3578.5	3666.1	3705.1	3736.2
9233.5	30°	8604.3	7667.3	4402.5	3114.8	3175.2	3311.6	3403.1	3442.1	3453.8	3459.6
9891.9	32.5°	9095.2	7889.4	3956.4	2945.4	3050.5	3177.2	3231.7	3249.2	3194.7	3157.7
10690.6	35°	9689.3	8127.0	3520.0	2810.9	2927.8	3036.9	3054.4	3038.9	2974.6	2898.6
11691.8	37.5°	10423.7	8423.1	3171.3	2715.5	2812.9	2885.0	2863.5	2859.6	2865.5	2775.9
12895.7	40°	11323.7	8808.8	2916.1	2641.5	2719.4	2735.0	2674.6	2707.7	2736.9	2600.6
14216.4	42.5°	12323.0	9274.4	2754.5	2590.8	2641.5	2604.5	2511.0	2548.0	2544.1	2364.9
15543.0	45°	13341.8	9780.8	2698.0	2553.8	2569.4	2495.4	2392.1	2401.9	2320.1	2158.4
16815.0	47.5°	14354.7	10324.3	2733.0	2522.6	2479.8	2396.0	2316.2	2273.3	2152.5	2031.8
18034.5	50°	15348.2	10895.1	2861.6	2460.3	2357.1	2308.4	2249.9	2174.0	2045.4	1942.1
19187.7	52.5°	16269.6	11469.8	3005.7	2357.1	2203.2	2232.4	2195.4	2107.7	1981.1	1875.9
20278.6	55°	17142.3	12044.4	3062.2	2214.9	2059.0	2166.2	2144.7	1983.1	1831.1	1745.4
21420.1	57.5°	18092.9	12735.9	2999.9	2033.7	1942.1	2090.2	2008.4	1829.2	1741.5	1677.2
22906.4	60°	19409.8	13821.0	2865.5	1809.7	1831.1	1977.2	1837.0	1762.9	1667.5	1595.4
25134.9	62.5°	21597.3	15844.9	2649.3	1587.6	1700.6	1809.7	1755.1	1681.1	1583.7	1513.6
28945.2	65°	24831.0	18657.8	2242.1	1414.2	1554.5	1646.1	1667.5	1593.5	1492.2	1418.1
32284.0	67.5°	27558.2	20422.7	1696.7	1270.1	1404.5	1513.6	1574.0	1501.9	1394.8	1322.7
33065.2	70°	27408.2	19140.9	1295.4	1127.9	1272.0	1383.1	1461.0	1404.5	1289.6	1221.4
30034.1	72.5°	24344.0	16012.5	1048.0	983.7	1137.6	1246.7	1340.2	1297.4	1180.5	1114.2
22002.5	75°	17884.5	11366.5	837.6	837.6	970.1	1104.5	1207.8	1180.5	1073.3	1026.6
9237.4	77.5°	7538.7	4768.7	656.5	695.4	806.5	948.7	1077.2	1087.0	993.5	1051.9
2442.8	80°	2004.5	1314.9	500.6	547.4	633.1	783.1	937.0	933.1	831.8	777.2
907.8	82.5°	763.6	518.2	356.5	385.7	457.8	600.0	742.2	765.6	664.3	574.7
356.5	85°	294.1	222.1	220.1	231.8	266.9	397.4	561.0	580.5	500.6	424.7
99.3	87.5°	76.0	66.2	81.8	77.9	122.7	212.3	321.4	333.1	305.8	177.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
5382.3
5134.9
4758.9
4416.1
4209.6
4151.2
4197.9
4264.1
4264.1
4166.7
3985.6
3747.9
3473.3
3169.4
2902.5
2781.7
2604.5
2362.9
2164.2
2031.8
1934.4
1877.9
1737.6
1671.4
1591.5
1513.6
1422.0
1324.6
1227.2
1114.2
1013.0
954.5
722.7
574.7
438.3
253.2
0.0

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