

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: P956522

Luminaire Tested: **GALN-SB9A-927-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956522  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9A-927-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

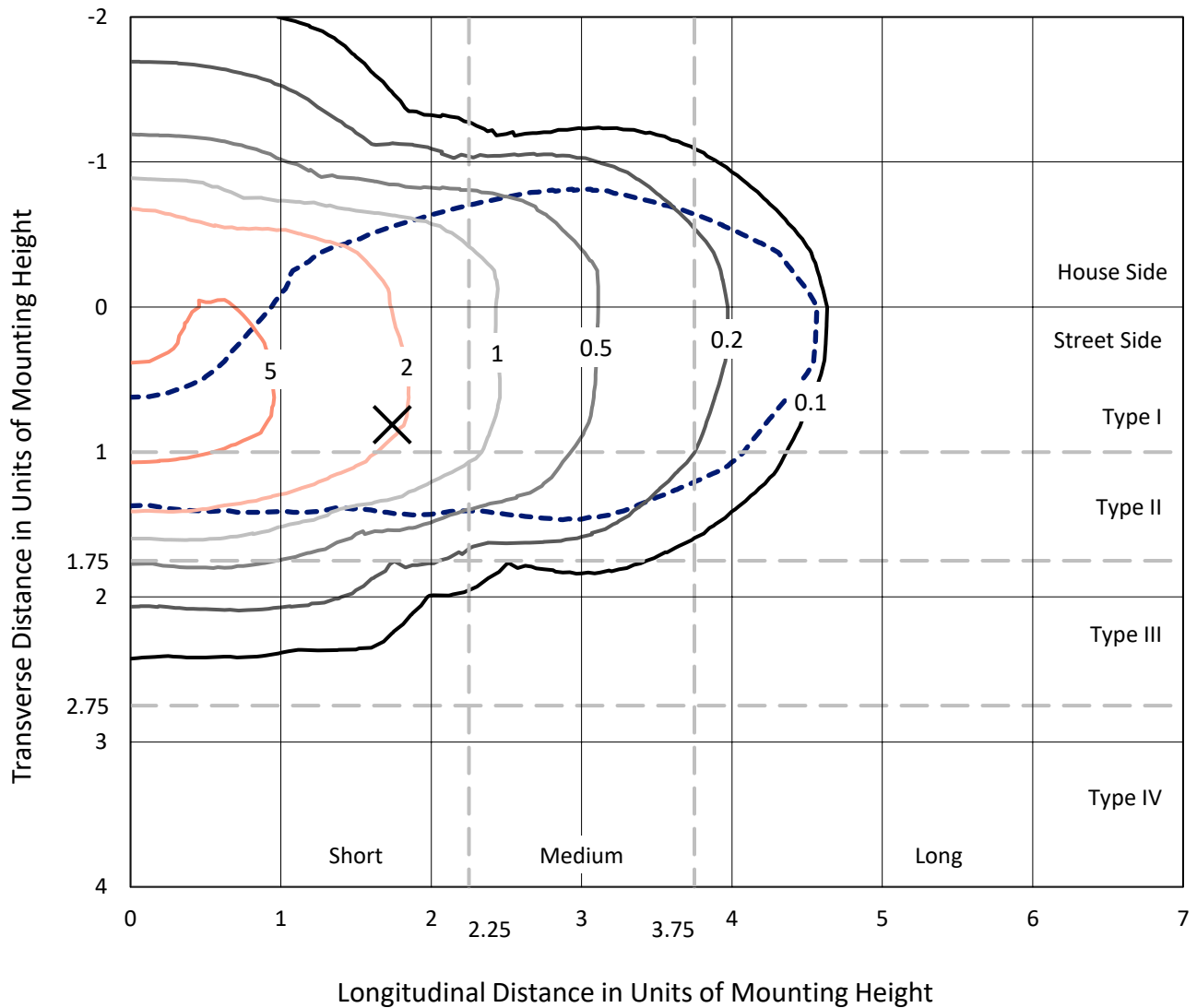
Lumens per Lamp: N/A  
Luminaire Lumens: 25203 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

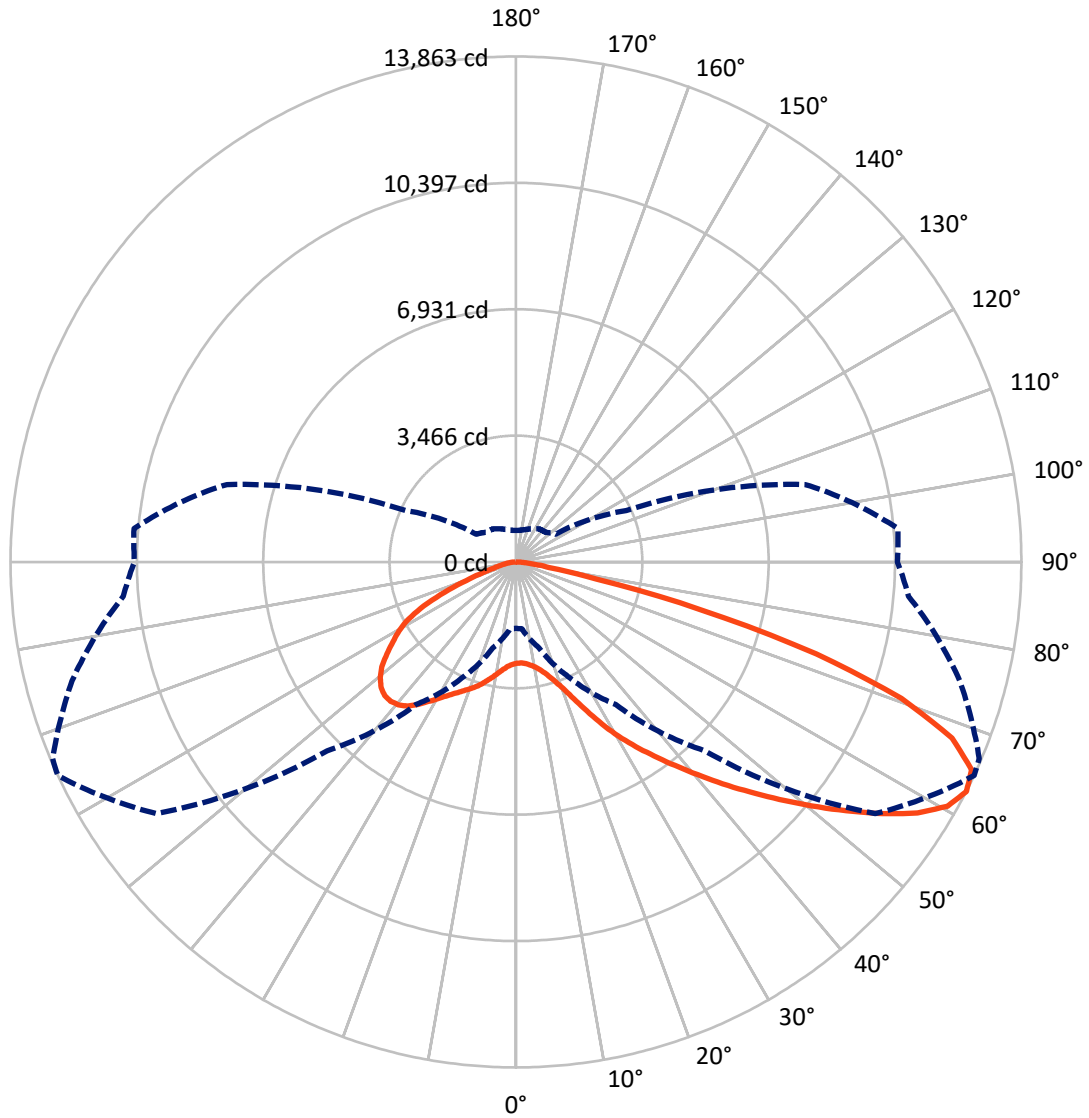
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7953.0	0.0	7953.0
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	17250.0	0.0	17250.0
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	25203.0	0.0	25203.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.9	1.1
10°-20°	939.0	3.7
20°-30°	1903.8	7.6
30°-40°	3294.6	13.1
40°-50°	4985.7	19.8
50°-60°	5845.4	23.2
60°-70°	4900.7	19.4
70°-80°	2705.6	10.7
80°-90°	351.4	1.4
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°	25203.0	100.0
0°-180°	25203.0	100.0



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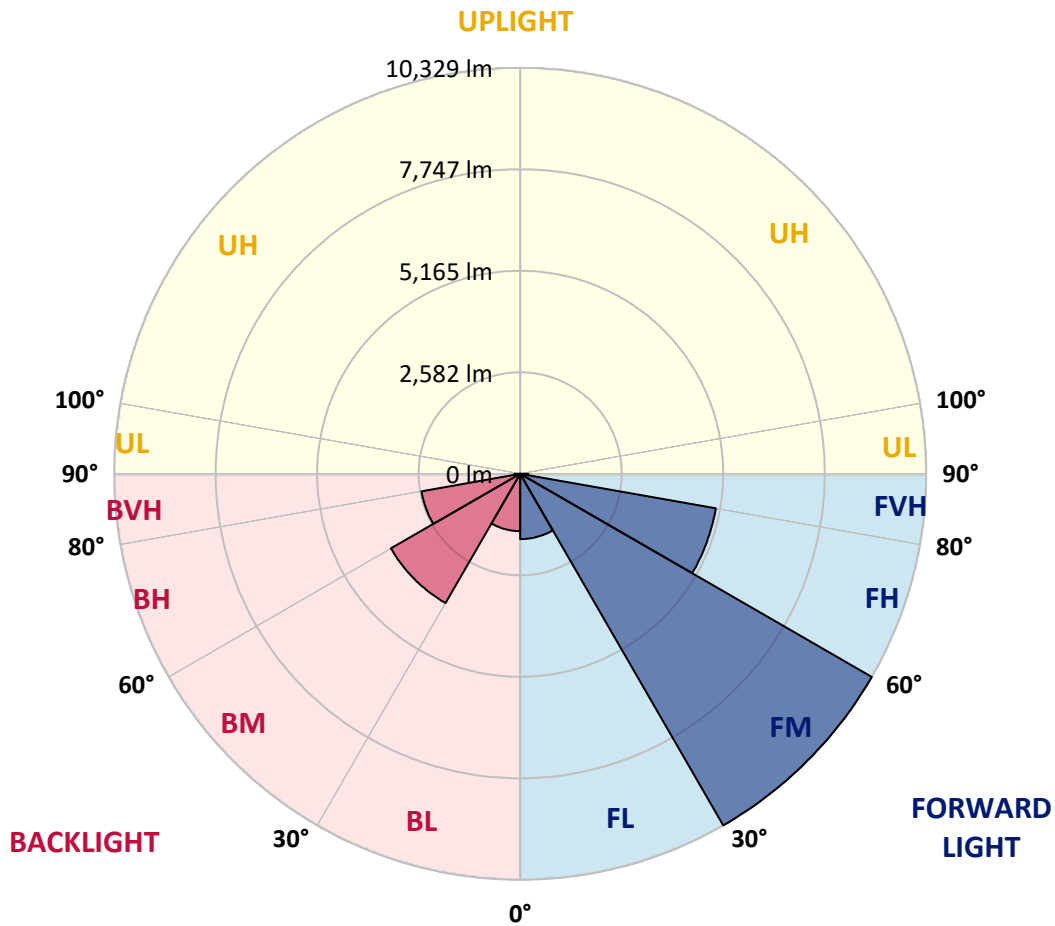
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1661.2	6.6			
FM (30°-60°)	10329.0	41.0			
FH (60°-80°)	5055.0	20.1			G3/7500
FVH (80°-90°)	204.8	0.8			G2/225
BL (0°-30°)	1458.5	5.8	B3/2500		
BM (30°-60°)	3796.6	15.1	B3/5000		
BH (60°-80°)	2551.2	10.1	B4/5000		G4/5000
BVH (80°-90°)	146.6	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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	2777.3	2777.3	2777.3	2777.3	2777.3	2777.3	2777.3	2777.3	2777.3	2777.3
2.5°	2759.0	2751.1	2757.6	2757.6	2760.3	2759.0	2768.1	2770.7	2774.6	2782.5
5°	2731.5	2730.2	2742.0	2752.4	2762.9	2772.0	2783.8	2800.8	2803.4	2812.6
7.5°	2722.3	2714.5	2732.8	2745.9	2770.7	2793.0	2824.3	2853.1	2864.9	2868.8
10°	2793.0	2779.9	2796.9	2804.7	2825.6	2847.9	2884.5	2930.2	2943.3	2959.0
12.5°	2913.2	2898.9	2923.7	2935.5	2955.1	2974.7	2999.5	3044.0	3050.5	3079.3
15°	3078.0	3061.0	3076.7	3091.1	3123.8	3142.1	3166.9	3210.1	3210.1	3232.3
17.5°	3301.6	3279.4	3291.1	3296.4	3317.3	3344.7	3386.6	3424.5	3444.1	3436.3
20°	3635.0	3607.6	3607.6	3581.4	3573.6	3595.8	3650.7	3703.0	3723.9	3683.4
22.5°	4135.8	4096.6	4074.4	3985.4	3950.1	3952.8	4007.7	4071.7	4088.7	4016.8
25°	4772.6	4711.1	4681.1	4550.3	4470.6	4401.3	4444.4	4526.8	4550.3	4461.4
27.5°	5409.4	5413.3	5384.5	5227.6	5095.6	4968.7	4946.5	5032.8	5057.6	4957.0
30°	6302.4	6209.6	6154.7	5966.4	5778.1	5600.3	5508.8	5544.1	5550.6	5430.3
32.5°	7072.6	7049.1	6931.4	6766.6	6524.7	6246.2	6093.2	6037.0	6026.6	5855.3
35°	7950.0	7936.9	7812.7	7616.5	7355.0	6968.0	6692.1	6531.3	6518.2	6277.6
37.5°	8841.7	8841.7	8720.1	8505.7	8235.0	7751.2	7331.5	7076.5	7034.7	6720.9
40°	9553.0	9509.9	9532.1	9441.9	9132.0	8618.1	8041.5	7671.5	7615.2	7238.7
42.5°	9957.1	9942.7	10076.1	10176.8	10049.9	9639.3	8823.4	8316.1	8237.6	7808.8
45°	10047.3	10031.6	10269.6	10638.3	10816.2	10647.5	9673.3	8994.7	8899.3	8405.0
47.5°	9839.4	9808.0	10157.1	10739.0	11309.1	11605.9	10593.9	9730.9	9592.3	8985.6
50°	9214.4	9184.3	9712.6	10485.3	11475.2	12257.1	11592.8	10511.5	10299.7	9608.0
52.5°	7855.8	7870.2	8697.9	9759.6	11256.8	12662.4	12453.2	11333.9	11079.0	10244.7
55°	6119.4	6150.8	7168.1	8337.0	10383.3	12601.0	13040.3	12181.2	11927.6	10843.6
57.5°	4381.6	4520.2	5473.5	6630.6	8705.7	11626.8	13168.5	12986.7	12740.9	11497.4
60°	2840.0	2864.9	3845.5	5011.9	6629.3	9895.6	12908.3	13597.3	13405.1	12164.2
62.5°	1820.1	1837.1	2434.7	3505.6	4771.3	7321.0	12032.2	13862.8	13803.9	12604.9
65°	1337.6	1324.6	1635.8	2317.0	3214.0	4515.0	10331.0	13734.6	13851.0	12880.8
67.5°	1116.7	1098.4	1251.3	1604.4	2368.0	2564.1	7644.0	12901.7	13328.0	12849.4
70°	1017.3	1001.6	1094.4	1191.2	1847.6	1716.8	3853.4	11216.3	11872.7	12492.4
72.5°	861.7	834.2	961.1	1057.8	1437.0	1316.7	1592.6	8615.5	9415.8	11348.3
75°	668.2	649.9	758.4	931.0	1080.0	1027.7	1006.8	5231.6	6105.0	8776.4
77.5°	529.6	504.7	604.1	725.7	971.5	775.4	733.5	2252.9	3118.5	5602.9
80°	398.8	376.6	459.0	574.0	746.6	584.5	474.6	919.2	1175.5	2838.7
82.5°	283.7	264.1	320.4	421.0	502.1	524.3	291.6	515.2	579.2	1094.4
85°	181.8	170.0	214.4	264.1	319.0	337.4	177.8	269.4	295.5	451.1
87.5°	99.4	81.1	115.1	122.9	147.8	134.7	85.0	98.1	105.9	163.4
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°
2777.3	0°	2777.3	2777.3	2777.3	2777.3	2777.3	2777.3	2777.3	2777.3	2777.3	2777.3
2782.5	2.5°	2787.7	2791.6	2804.7	2808.6	2817.8	2829.6	2837.4	2845.3	2845.3	2853.1
2824.3	5°	2825.6	2834.8	2862.3	2876.6	2900.2	2923.7	2938.1	2955.1	2965.6	2970.8
2891.0	7.5°	2898.9	2913.2	2952.5	2977.3	3017.9	3050.5	3072.8	3096.3	3101.5	3115.9
2983.9	10°	2998.2	3015.2	3059.7	3106.8	3155.1	3195.7	3216.6	3233.6	3240.1	3242.8
3102.8	12.5°	3112.0	3136.8	3194.4	3251.9	3302.9	3338.2	3343.4	3339.5	3321.2	3305.5
3249.3	15°	3251.9	3274.1	3338.2	3401.0	3450.7	3457.2	3424.5	3403.6	3381.4	3377.4
3412.7	17.5°	3419.3	3431.0	3489.9	3551.3	3555.3	3533.0	3484.7	3465.0	3444.1	3429.7
3625.9	20°	3614.1	3610.2	3652.0	3678.2	3650.7	3582.7	3509.5	3476.8	3455.9	3438.9
3887.4	22.5°	3846.8	3816.8	3811.5	3805.0	3731.8	3589.3	3489.9	3448.0	3415.4	3391.8
4252.2	25°	4185.5	4070.4	3990.7	3946.2	3781.5	3554.0	3427.1	3334.3	3272.8	3232.3
4698.1	27.5°	4609.2	4415.6	4214.3	4105.7	3781.5	3482.0	3275.4	3125.1	3024.4	2982.5
5129.6	30°	5013.2	4810.5	4513.7	4298.0	3772.3	3364.4	3030.9	2821.7	2704.0	2662.2
5498.3	32.5°	5358.4	5137.4	4831.4	4508.5	3750.1	3173.5	2727.6	2496.1	2382.4	2332.7
5863.1	35°	5678.7	5443.4	5150.5	4739.9	3691.2	2893.6	2394.1	2217.6	2090.8	2011.0
6234.5	37.5°	6006.9	5727.1	5452.5	4949.1	3585.3	2566.7	2137.9	1987.5	1838.4	1731.2
6629.3	40°	6363.9	6029.2	5775.5	5073.3	3411.4	2255.5	1939.1	1801.8	1643.6	1529.8
7084.4	42.5°	6781.0	6391.4	6135.1	5137.4	3173.5	2034.6	1809.7	1675.0	1525.9	1433.1
7572.1	45°	7216.4	6790.2	6463.3	5136.1	2908.0	1931.3	1767.8	1634.5	1469.7	1372.9
8072.9	47.5°	7672.8	7207.3	6747.0	5052.4	2677.9	1945.7	1744.3	1546.8	1365.1	1271.0
8578.9	50°	8130.4	7663.6	7021.6	4895.5	2579.8	1914.3	1656.7	1423.9	1209.5	1124.5
9053.6	52.5°	8584.1	8148.7	7258.3	4671.9	2480.4	1797.9	1544.2	1264.4	1145.4	1086.6
9543.9	55°	9040.5	8628.6	7515.9	4346.3	2232.0	1661.9	1355.9	1204.3	1094.4	1040.8
10023.8	57.5°	9498.1	9183.0	7760.4	4020.8	1919.5	1494.5	1252.6	1131.0	1043.4	997.7
10425.2	60°	9974.1	9817.2	8012.7	3721.3	1610.9	1280.1	1176.8	1072.2	983.3	932.3
10810.9	62.5°	10464.4	10515.4	8210.2	3335.6	1327.2	1149.3	1108.8	1001.6	915.3	866.9
11130.0	65°	10958.7	11188.8	8339.6	2800.8	1076.1	1025.1	1035.6	924.4	836.8	795.0
11364.0	67.5°	11331.3	11673.9	8303.0	2119.6	882.6	907.4	944.1	843.4	761.0	728.3
11326.1	70°	11373.2	11616.4	7942.1	1451.4	738.8	792.4	842.1	763.6	678.6	655.1
10792.6	72.5°	10816.2	10831.8	6936.6	948.0	625.0	695.6	734.8	682.5	600.2	576.6
9441.9	75°	9355.6	8958.1	5093.0	625.0	523.0	597.6	634.2	597.6	517.8	523.0
7064.8	77.5°	7088.3	6344.3	3092.4	444.6	436.7	502.1	551.8	525.6	457.6	513.9
3552.6	80°	3652.0	3432.3	1379.5	332.1	345.2	401.4	453.7	419.7	362.2	345.2
793.7	82.5°	836.8	972.8	543.9	238.0	249.7	289.0	346.5	315.1	260.2	219.7
330.8	85°	292.9	320.4	240.6	149.1	146.4	180.4	235.4	210.5	176.5	141.2
139.9	87.5°	92.8	121.6	90.2	60.1	62.8	81.1	108.5	99.4	82.4	53.6
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

180°
2777.3
2853.1
2973.4
3110.7
3236.2
3305.5
3377.4
3431.0
3440.2
3399.7
3248.0
3003.5
2687.0
2357.5
2037.2
1760.0
1552.1
1451.4
1388.6
1284.0
1129.7
1086.6
1035.6
989.8
928.4
865.6
793.7
729.6
656.4
575.3
504.7
452.4
315.1
217.1
149.1
56.2
0.0

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