

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: P944277

Luminaire Tested: **GALN-SB9A-927-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944277  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
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-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

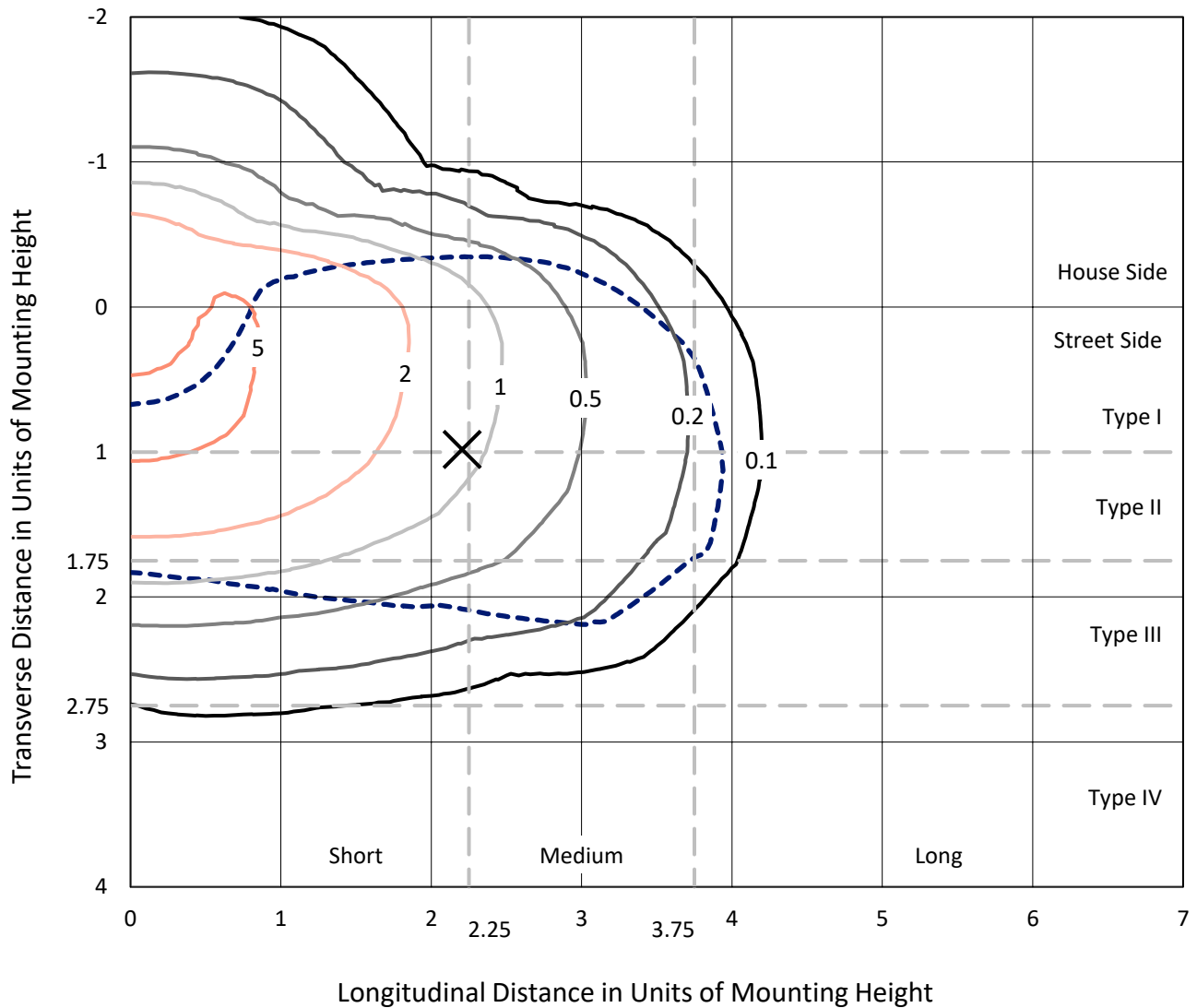
Lumens per Lamp: N/A  
Luminaire Lumens: 24887 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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

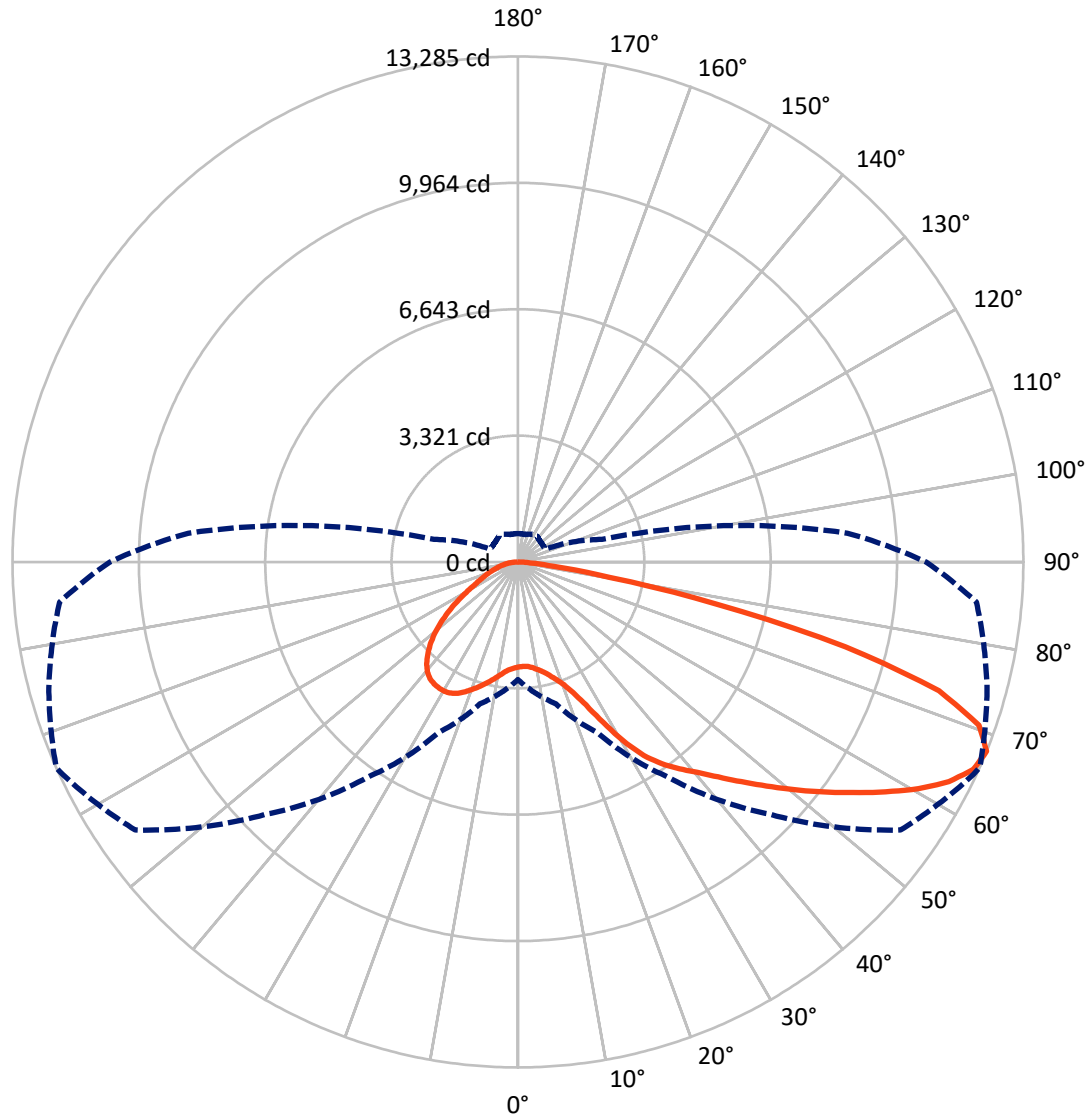
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6188.1	0.0	6188.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	18698.9	0.0	18698.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	24887.0	0.0	24887.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.7	1.1
10°-20°	904.2	3.6
20°-30°	1742.8	7.0
30°-40°	3055.7	12.3
40°-50°	4542.8	18.3
50°-60°	5758.5	23.1
60°-70°	5634.5	22.6
70°-80°	2687.7	10.8
80°-90°	287.2	1.2
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°	24887.0	100.0
0°-180°	24887.0	100.0

**Coefficient of Utilization**



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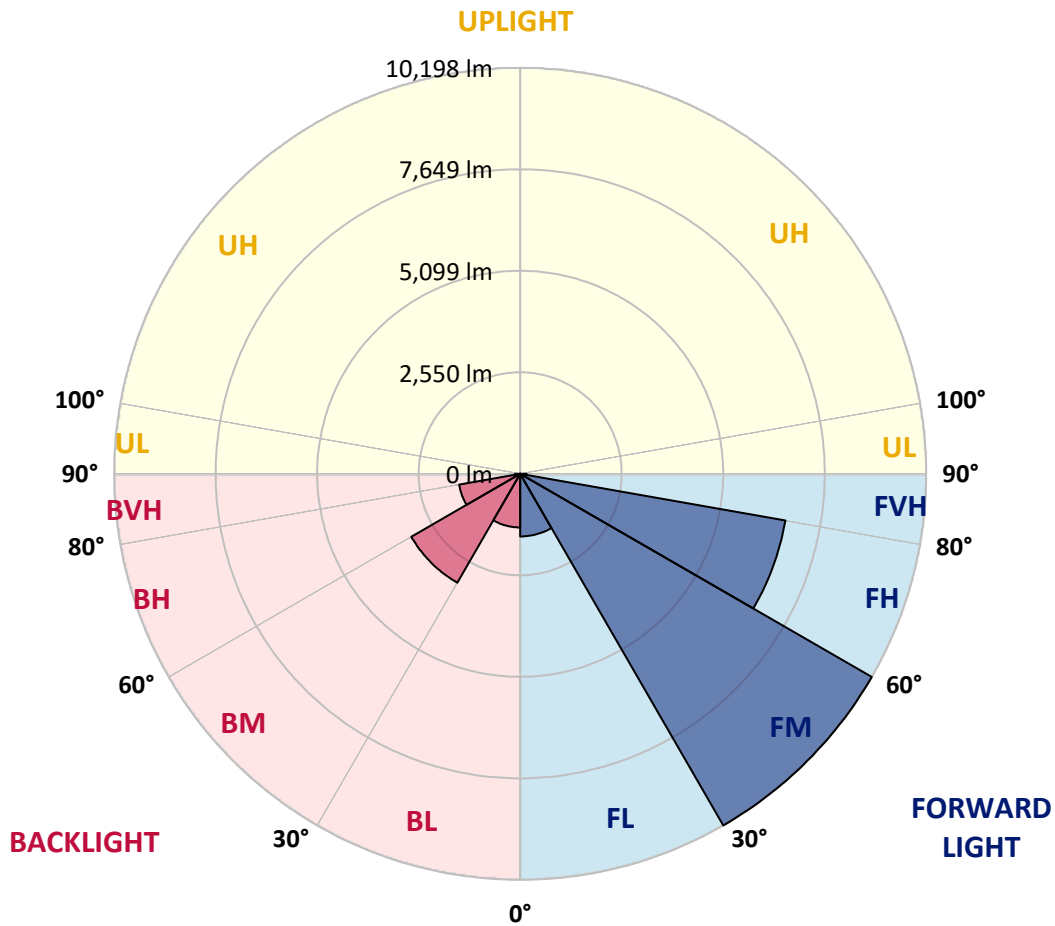
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1572.6	6.3			
FM (30°-60°)	10198.5	41.0			
FH (60°-80°)	6765.0	27.2			G3/7500
FVH (80°-90°)	162.9	0.7			G2/225
BL (0°-30°)	1348.0	5.4	B3/2500		
BM (30°-60°)	3158.5	12.7	B3/5000		
BH (60°-80°)	1557.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	124.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2760.3	2760.3	2760.3	2760.3	2760.3	2760.3	2760.3	2760.3	2760.3	2760.3
2.5°	2731.5	2747.2	2743.3	2736.8	2735.5	2738.1	2742.0	2745.9	2744.6	2751.1
5°	2723.7	2739.4	2738.1	2738.1	2743.3	2753.8	2760.3	2766.8	2760.3	2768.1
7.5°	2728.9	2740.7	2745.9	2751.1	2764.2	2783.8	2799.5	2813.9	2806.1	2815.2
10°	2795.6	2804.8	2810.0	2810.0	2819.1	2841.4	2857.1	2883.2	2876.7	2891.1
12.5°	2917.2	2926.4	2926.4	2921.1	2927.7	2942.1	2947.3	2976.0	2964.3	2987.8
15°	3066.3	3084.6	3070.2	3061.0	3063.7	3078.0	3076.7	3099.0	3087.2	3106.8
17.5°	3231.0	3254.6	3231.0	3229.7	3224.5	3240.2	3241.5	3261.1	3240.2	3254.6
20°	3425.9	3458.5	3438.9	3445.5	3433.7	3440.2	3446.8	3475.5	3442.9	3453.3
22.5°	3700.4	3739.7	3718.8	3743.6	3735.8	3730.5	3729.2	3780.2	3729.2	3733.1
25°	4100.6	4147.6	4111.0	4145.0	4145.0	4162.0	4181.6	4247.0	4162.0	4137.2
27.5°	4691.6	4738.7	4666.7	4687.7	4681.1	4723.0	4702.1	4864.2	4772.7	4732.1
30°	5402.9	5486.6	5350.6	5345.4	5338.8	5405.5	5435.6	5542.8	5450.0	5409.5
32.5°	6171.8	6259.4	6097.2	6050.2	6025.3	6065.9	6041.0	6127.3	6063.2	6000.5
35°	6985.1	7071.4	6917.1	6825.6	6726.2	6641.2	6552.3	6574.5	6514.4	6418.9
37.5°	7753.9	7912.2	7748.7	7650.6	7467.6	7301.5	7053.1	6949.8	6893.6	6805.9
40°	8537.2	8627.4	8503.2	8419.5	8220.7	7960.5	7563.0	7344.7	7268.8	7183.8
42.5°	9113.8	9200.1	9133.4	9075.9	8920.3	8618.2	8104.4	7831.1	7721.2	7625.8
45°	9571.5	9635.5	9593.7	9614.6	9547.9	9255.0	8665.3	8352.8	8239.0	8122.7
47.5°	9755.8	9823.8	9890.5	10014.7	10128.5	9912.7	9268.1	8917.7	8797.4	8678.4
50°	9734.9	9804.2	9997.7	10261.9	10614.9	10543.0	9903.6	9519.2	9408.0	9272.0
52.5°	9567.5	9646.0	9894.4	10333.8	10896.0	11015.0	10550.8	10140.3	10035.7	9873.5
55°	9128.2	9175.3	9547.9	10170.3	10962.7	11344.5	11185.0	10801.9	10697.3	10471.1
57.5°	8313.6	8381.6	8924.2	9729.7	10795.4	11568.1	11742.1	11497.5	11396.8	11071.3
60°	7250.5	7359.0	7980.1	8989.6	10369.1	11566.8	12248.1	12181.4	12097.7	11662.3
62.5°	6047.5	6173.1	6770.6	7943.5	9623.8	11238.6	12564.5	12754.1	12711.0	12207.5
65°	4644.5	4730.8	5325.8	6590.2	8464.0	10533.8	12601.1	13145.1	13152.9	12622.1
67.5°	3092.4	3340.9	3857.4	4945.3	6910.5	9381.9	12279.5	13209.2	13285.0	12764.6
70°	1508.9	1835.8	2341.9	3214.0	4945.3	7615.3	11438.7	12683.5	12852.2	12348.8
72.5°	626.3	732.2	1008.1	1586.1	2838.8	5138.8	9749.3	11258.2	11570.8	10941.8
75°	422.3	457.7	576.6	813.3	1293.2	2534.1	7030.8	8394.7	8898.1	8263.9
77.5°	325.6	347.8	419.7	568.8	768.9	958.5	3763.2	5059.0	5319.2	4924.3
80°	256.3	273.3	313.8	414.5	545.3	512.6	1282.7	2292.2	2442.6	2049.0
82.5°	222.3	228.8	224.9	281.1	362.2	299.4	421.0	846.0	933.6	677.3
85°	160.8	179.1	187.0	173.9	192.2	151.7	172.6	299.4	329.5	294.2
87.5°	65.4	96.8	119.0	112.5	70.6	43.2	53.6	87.6	100.7	109.8
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°
2760.3	0°	2760.3	2760.3	2760.3	2760.3	2760.3	2760.3	2760.3	2760.3	2760.3	2760.3
2761.6	2.5°	2762.9	2772.1	2778.6	2786.4	2791.7	2799.5	2815.2	2824.4	2825.7	2832.2
2782.5	5°	2787.8	2800.8	2815.2	2836.1	2859.7	2879.3	2909.4	2930.3	2938.1	2944.7
2833.5	7.5°	2841.4	2859.7	2885.8	2922.4	2956.4	2982.6	3019.2	3044.0	3068.9	3078.0
2914.6	10°	2921.1	2947.3	2985.2	3034.9	3071.5	3105.5	3143.4	3164.3	3189.2	3199.6
3011.4	12.5°	3020.5	3048.0	3097.7	3167.0	3201.0	3224.5	3237.6	3232.3	3237.6	3246.7
3127.7	15°	3134.3	3164.3	3220.6	3295.1	3318.6	3297.7	3268.9	3242.8	3238.9	3241.5
3268.9	17.5°	3268.9	3291.2	3356.6	3419.3	3402.3	3316.0	3253.3	3211.4	3190.5	3184.0
3449.4	20°	3457.2	3457.2	3510.8	3550.1	3436.3	3289.9	3191.8	3123.8	3080.7	3062.3
3695.2	22.5°	3686.1	3665.1	3699.1	3671.7	3429.8	3216.6	3080.7	2963.0	2897.6	2871.4
4039.1	25°	3976.3	3951.5	3942.3	3772.4	3382.7	3100.3	2879.3	2736.8	2679.2	2664.8
4534.7	27.5°	4414.4	4351.6	4232.6	3827.3	3296.4	2917.2	2643.9	2511.9	2479.2	2480.5
5171.5	30°	4997.6	4872.0	4580.4	3836.4	3155.2	2658.3	2403.3	2309.2	2293.5	2300.0
5706.3	32.5°	5537.6	5418.6	4936.1	3794.6	2938.1	2404.6	2187.6	2124.8	2101.3	2109.1
6114.2	35°	5961.2	5928.6	5265.6	3735.8	2671.4	2166.7	1994.1	1940.4	1894.7	1884.2
6498.7	37.5°	6361.4	6348.3	5512.7	3653.4	2407.3	1998.0	1838.5	1767.8	1701.2	1664.5
6923.6	40°	6800.7	6787.6	5674.9	3526.5	2173.2	1851.5	1698.5	1605.7	1523.3	1456.6
7404.8	42.5°	7295.0	7217.8	5752.0	3344.8	1974.4	1727.3	1584.8	1459.3	1350.7	1289.3
7948.8	45°	7835.0	7661.1	5750.7	3113.3	1807.1	1613.6	1463.2	1285.3	1184.7	1127.1
8507.1	47.5°	8407.7	8084.8	5680.1	2857.1	1644.9	1488.0	1274.9	1138.9	1072.2	1036.9
9113.8	50°	8998.8	8481.0	5559.8	2562.9	1478.9	1345.5	1157.2	1064.4	1013.4	980.7
9715.3	52.5°	9554.5	8840.5	5414.7	2229.4	1310.2	1206.9	1104.9	1033.0	979.4	942.8
10298.5	55°	10071.0	9150.4	5209.4	1888.1	1172.9	1114.1	1080.1	1019.9	958.5	915.3
10890.8	57.5°	10529.9	9351.8	4855.0	1567.8	1074.8	1050.0	1053.9	997.7	927.1	890.5
11474.0	60°	10911.7	9499.6	4330.7	1271.0	995.1	987.2	1013.4	955.8	873.5	831.6
11967.0	62.5°	11140.6	9496.9	3687.4	1040.8	927.1	929.7	959.8	903.5	819.9	780.6
12224.5	65°	11121.0	9264.2	2981.3	890.5	861.7	864.3	903.5	846.0	775.4	751.9
12095.1	67.5°	10727.4	8696.7	2287.0	792.4	789.8	801.5	847.3	806.8	747.9	745.3
11323.6	70°	9661.7	7518.6	1647.5	713.9	715.2	732.2	792.4	781.9	733.6	738.8
9520.5	72.5°	7747.4	5732.4	1106.2	631.6	632.9	660.3	740.1	762.3	719.2	788.5
6754.9	75°	5159.7	3574.9	711.3	544.0	545.3	580.6	694.3	724.4	679.9	785.9
3514.8	77.5°	2479.2	1607.0	515.2	457.7	457.7	490.3	600.2	648.6	579.3	610.6
1129.7	80°	856.5	604.1	405.3	368.7	360.9	383.1	506.0	562.3	499.5	460.3
368.7	82.5°	337.4	313.8	325.6	286.4	260.2	274.6	393.6	464.2	367.4	332.1
207.9	85°	193.5	204.0	230.1	189.6	150.4	168.7	289.0	333.4	277.2	244.5
68.0	87.5°	52.3	71.9	105.9	98.1	68.0	71.9	137.3	184.4	159.5	122.9
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°  
2760.3  
2830.9  
2943.4  
3079.3  
3204.9  
3249.3  
3250.6  
3193.1  
3058.4  
2867.5  
2667.5  
2484.4  
2322.3  
2119.6  
1892.1  
1665.9  
1463.2  
1293.2  
1124.5  
1029.1  
968.9  
927.1  
898.3  
866.9  
813.3  
768.9  
750.5  
749.2  
737.5  
798.9  
792.4  
559.6  
431.5  
330.8  
249.7  
126.8  
0.0

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