

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: P941897

Luminaire Tested: **GALN-SB5C-927-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941897  
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-SB5C-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

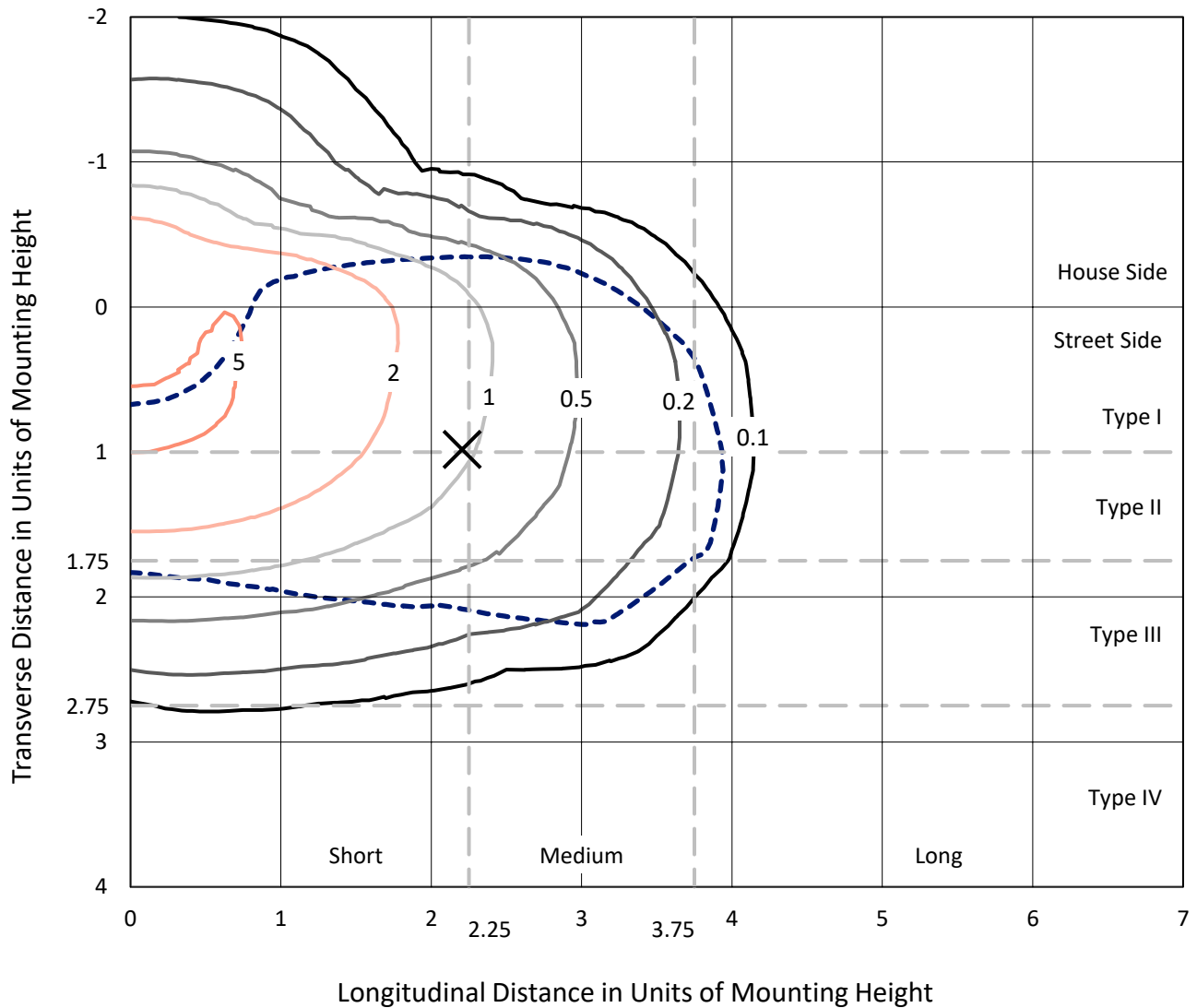
Lumens per Lamp: N/A  
Luminaire Lumens: 23043 lumens  
Efficiency: N/A  
Efficacy: 92.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

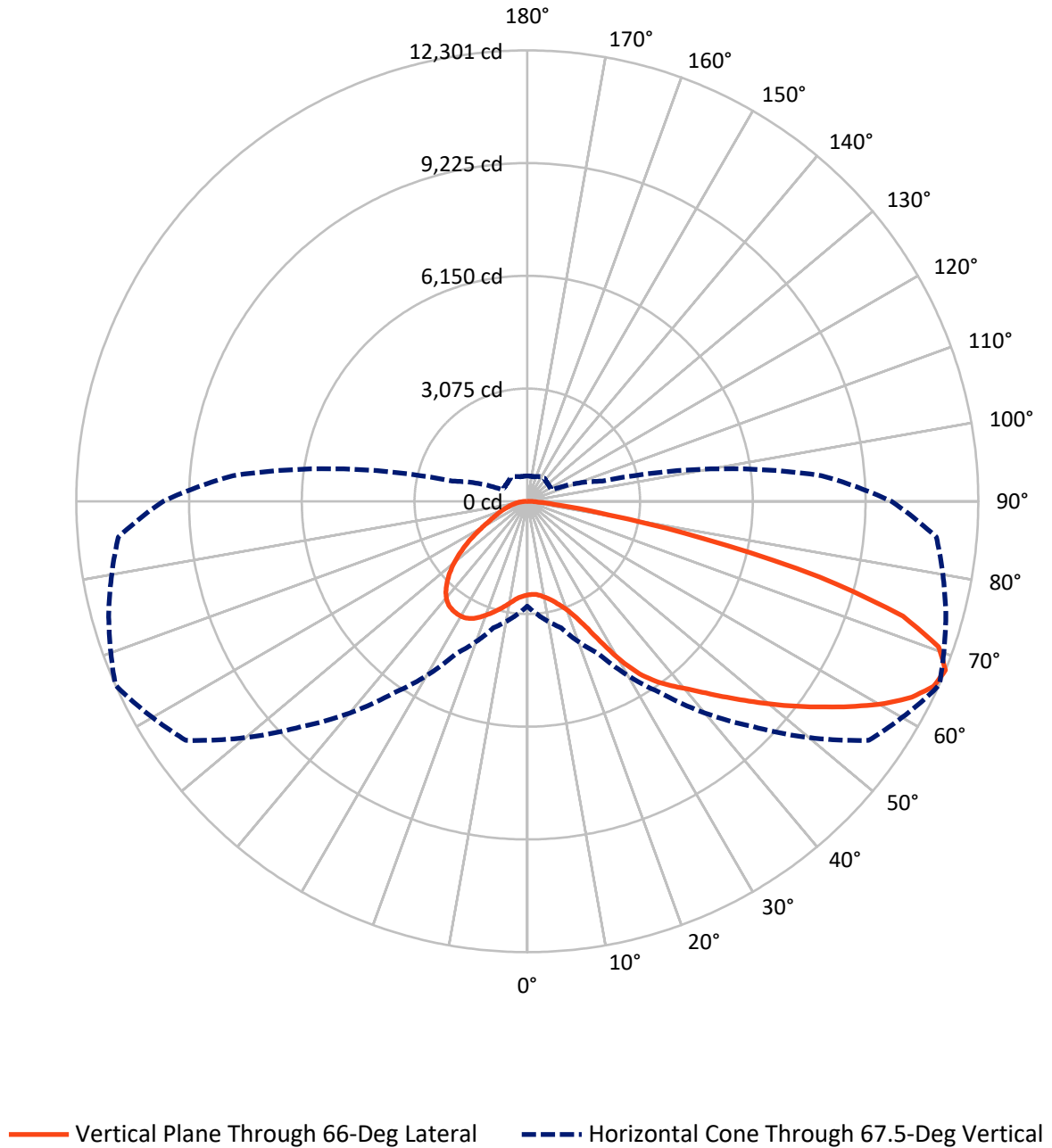
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5729.6	0.0	5729.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	17313.4	0.0	17313.4
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	23043.0	0.0	23043.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.4	1.1
10°-20°	837.2	3.6
20°-30°	1613.6	7.0
30°-40°	2829.3	12.3
40°-50°	4206.2	18.3
50°-60°	5331.8	23.1
60°-70°	5217.0	22.6
70°-80°	2488.6	10.8
80°-90°	266.0	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°	23043.0	100.0
0°-180°	23043.0	100.0

**Coefficient of Utilization**



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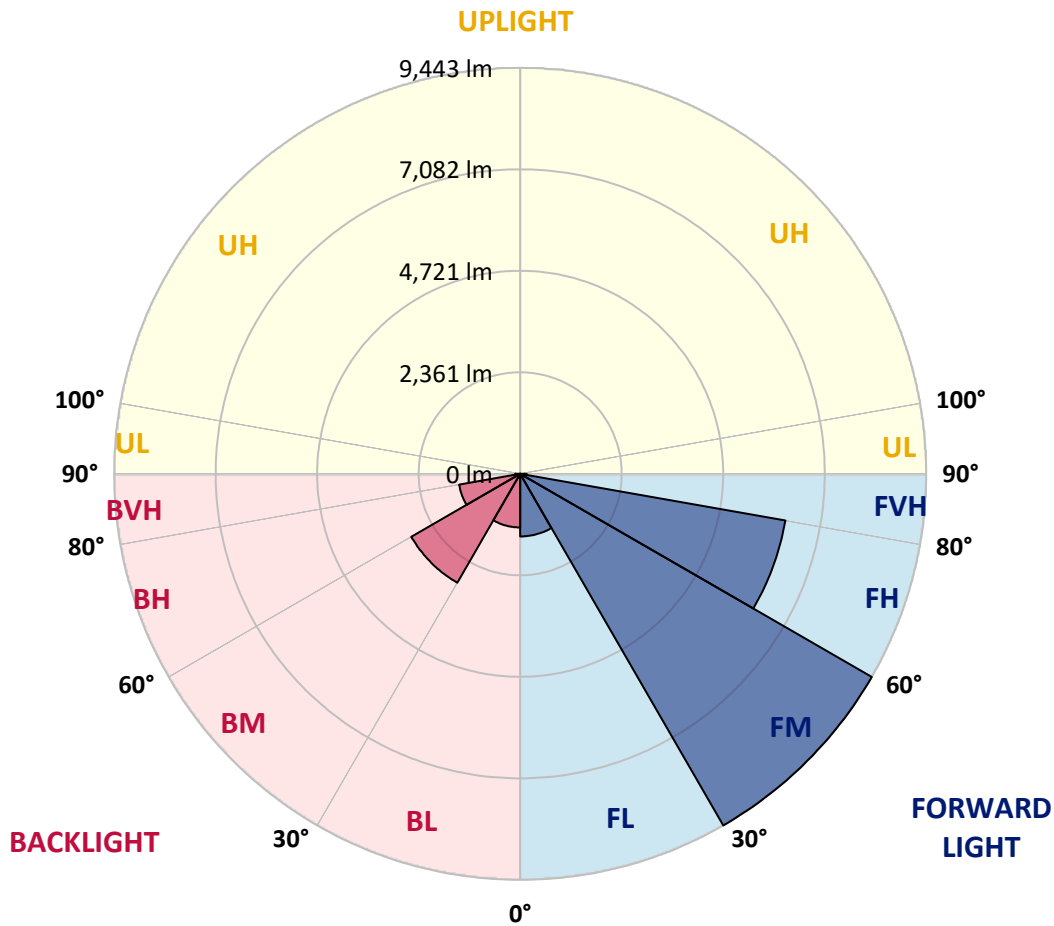
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1456.1	6.3			
FM (30°-60°)	9442.8	41.0			
FH (60°-80°)	6263.7	27.2			G3/7500
FVH (80°-90°)	150.8	0.7			G2/225
BL (0°-30°)	1248.1	5.4	B3/2500		
BM (30°-60°)	2924.4	12.7	B3/5000		
BH (60°-80°)	1441.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	115.2	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°	2555.8	2555.8	2555.8	2555.8	2555.8	2555.8	2555.8	2555.8	2555.8	2555.8
2.5°	2529.1	2543.7	2540.0	2534.0	2532.8	2535.2	2538.8	2542.5	2541.2	2547.3
5°	2521.9	2536.4	2535.2	2535.2	2540.0	2549.7	2555.8	2561.8	2555.8	2563.0
7.5°	2526.7	2537.6	2542.5	2547.3	2559.4	2577.6	2592.1	2605.4	2598.1	2606.6
10°	2588.5	2596.9	2601.8	2601.8	2610.3	2630.8	2645.4	2669.6	2663.5	2676.8
12.5°	2701.1	2709.5	2709.5	2704.7	2710.7	2724.1	2728.9	2755.5	2744.6	2766.4
15°	2839.1	2856.0	2842.7	2834.2	2836.7	2850.0	2848.8	2869.3	2858.4	2876.6
17.5°	2991.6	3013.4	2991.6	2990.4	2985.6	3000.1	3001.3	3019.5	3000.1	3013.4
20°	3172.0	3202.3	3184.1	3190.2	3179.3	3185.3	3191.4	3218.0	3187.8	3197.4
22.5°	3426.3	3462.6	3443.2	3466.2	3459.0	3454.1	3452.9	3500.1	3452.9	3456.5
25°	3796.7	3840.3	3806.4	3837.9	3837.9	3853.6	3871.8	3932.3	3853.6	3830.6
27.5°	4344.0	4387.6	4321.0	4340.3	4334.3	4373.0	4353.7	4503.8	4419.0	4381.5
30°	5002.6	5080.1	4954.2	4949.3	4943.3	5005.0	5032.9	5132.1	5046.2	5008.6
32.5°	5714.5	5795.6	5645.5	5601.9	5578.9	5616.4	5593.4	5673.3	5614.0	5555.9
35°	6467.5	6547.4	6404.6	6319.8	6227.8	6149.1	6066.8	6087.4	6031.7	5943.3
37.5°	7179.4	7325.9	7174.6	7083.8	6914.3	6760.5	6530.5	6434.8	6382.8	6301.7
40°	7904.6	7988.2	7873.1	7795.7	7611.6	7370.7	7002.6	6800.5	6730.2	6651.5
42.5°	8438.5	8518.4	8456.7	8403.4	8259.3	7979.7	7503.9	7250.8	7149.1	7060.8
45°	8862.3	8921.6	8882.9	8902.2	8840.5	8569.3	8023.3	7733.9	7628.6	7520.8
47.5°	9033.0	9095.9	9157.7	9272.7	9378.0	9178.3	8581.4	8256.9	8145.5	8035.4
50°	9013.6	9077.8	9257.0	9501.5	9828.4	9761.8	9169.8	8813.8	8710.9	8585.0
52.5°	8858.6	8931.3	9161.3	9568.1	10088.7	10198.9	9769.1	9388.9	9292.1	9141.9
55°	8451.8	8495.4	8840.5	9416.8	10150.5	10504.0	10356.3	10001.5	9904.7	9695.2
57.5°	7697.6	7760.5	8263.0	9008.8	9995.5	10711.0	10872.0	10645.6	10552.4	10250.9
60°	6713.3	6813.8	7388.9	8323.5	9600.8	10709.8	11340.6	11278.8	11201.3	10798.2
62.5°	5599.5	5715.7	6269.0	7355.0	8910.7	10405.9	11633.6	11809.1	11769.1	11303.0
65°	4300.4	4380.3	4931.2	6101.9	7836.8	9753.3	11667.4	12171.1	12178.4	11686.8
67.5°	2863.3	3093.3	3571.5	4578.8	6398.5	8686.7	11369.6	12230.4	12300.6	11818.8
70°	1397.1	1699.8	2168.4	2975.9	4578.8	7051.1	10591.1	11743.7	11899.9	11433.8
72.5°	579.9	678.0	933.4	1468.6	2628.4	4758.0	9026.9	10424.1	10713.4	10131.1
75°	391.1	423.7	533.9	753.1	1197.4	2346.3	6509.9	7772.6	8238.8	7651.6
77.5°	301.5	322.0	388.6	526.7	711.9	887.4	3484.4	4684.2	4925.1	4559.5
80°	237.3	253.0	290.6	383.8	504.9	474.6	1187.7	2122.3	2261.6	1897.2
82.5°	205.8	211.9	208.2	260.3	335.4	277.2	389.8	783.3	864.4	627.1
85°	148.9	165.9	173.1	161.0	178.0	140.4	159.8	277.2	305.1	272.4
87.5°	60.5	89.6	110.2	104.1	65.4	40.0	49.6	81.1	93.2	101.7
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):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2555.8	0°	2555.8	2555.8	2555.8	2555.8	2555.8	2555.8	2555.8	2555.8	2555.8	2555.8
2557.0	2.5°	2558.2	2566.7	2572.7	2580.0	2584.8	2592.1	2606.6	2615.1	2616.3	2622.4
2576.4	5°	2581.2	2593.3	2606.6	2626.0	2647.8	2665.9	2693.8	2713.2	2720.4	2726.5
2623.6	7.5°	2630.8	2647.8	2672.0	2705.9	2737.4	2761.6	2795.5	2818.5	2841.5	2850.0
2698.6	10°	2704.7	2728.9	2764.0	2810.0	2843.9	2875.4	2910.5	2929.9	2952.9	2962.6
2788.2	12.5°	2796.7	2822.1	2868.1	2932.3	2963.8	2985.6	2997.7	2992.8	2997.7	3006.2
2896.0	15°	2902.0	2929.9	2981.9	3050.9	3072.7	3053.4	3026.7	3002.5	2998.9	3001.3
3026.7	17.5°	3026.7	3047.3	3107.8	3166.0	3150.2	3070.3	3012.2	2973.5	2954.1	2948.0
3193.8	20°	3201.1	3201.1	3250.7	3287.0	3181.7	3046.1	2955.3	2892.3	2852.4	2835.4
3421.4	22.5°	3412.9	3393.6	3425.1	3399.6	3175.6	2978.3	2852.4	2743.4	2682.9	2658.7
3739.8	25°	3681.7	3658.7	3650.2	3492.8	3132.1	2870.6	2665.9	2534.0	2480.7	2467.4
4198.7	27.5°	4087.3	4029.2	3919.0	3543.7	3052.2	2701.1	2448.0	2325.7	2295.5	2296.7
4788.3	30°	4627.3	4511.0	4241.1	3552.2	2921.4	2461.3	2225.3	2138.1	2123.6	2129.6
5283.5	32.5°	5127.3	5017.1	4570.4	3513.4	2720.4	2226.5	2025.5	1967.4	1945.6	1952.8
5661.2	35°	5519.6	5489.3	4875.5	3459.0	2473.4	2006.1	1846.3	1796.7	1754.3	1744.6
6017.1	37.5°	5890.0	5877.9	5104.3	3382.7	2228.9	1849.9	1702.2	1636.9	1575.1	1541.2
6410.6	40°	6296.8	6284.7	5254.4	3265.2	2012.2	1714.3	1572.7	1486.7	1410.5	1348.7
6856.2	42.5°	6754.5	6683.0	5325.8	3097.0	1828.1	1599.3	1467.4	1351.1	1250.6	1193.7
7359.8	45°	7254.5	7093.5	5324.6	2882.7	1673.2	1494.0	1354.8	1190.1	1096.9	1043.6
7876.8	47.5°	7784.8	7485.7	5259.3	2645.4	1523.1	1377.8	1180.4	1054.5	992.8	960.1
8438.5	50°	8332.0	7852.6	5147.9	2373.0	1369.3	1245.8	1071.5	985.5	938.3	908.0
8995.5	52.5°	8846.5	8185.5	5013.5	2064.2	1213.1	1117.5	1023.0	956.4	906.8	872.9
9535.4	55°	9324.8	8472.4	4823.4	1748.2	1086.0	1031.5	1000.0	944.3	887.4	847.5
10083.9	57.5°	9749.7	8658.9	4495.3	1451.6	995.2	972.2	975.8	923.8	858.4	824.5
10623.8	60°	10103.2	8795.7	4009.8	1176.8	921.3	914.1	938.3	885.0	808.7	770.0
11080.3	62.5°	10315.1	8793.3	3414.2	963.7	858.4	860.8	888.6	836.6	759.1	722.8
11318.8	65°	10296.9	8577.8	2760.4	824.5	797.8	800.3	836.6	783.3	717.9	696.1
11198.9	67.5°	9932.5	8052.3	2117.5	733.7	731.3	742.2	784.5	747.0	692.5	690.1
10484.6	70°	8945.8	6961.5	1525.5	661.0	662.2	678.0	733.7	724.0	679.2	684.0
8815.1	72.5°	7173.4	5307.7	1024.2	584.8	586.0	611.4	685.3	705.8	665.9	730.0
6254.4	75°	4777.4	3310.0	658.6	503.6	504.9	537.5	642.9	670.7	629.6	727.6
3254.3	77.5°	2295.5	1487.9	477.0	423.7	423.7	454.0	555.7	600.5	536.3	565.4
1046.0	80°	793.0	559.3	375.3	341.4	334.2	354.7	468.5	520.6	462.5	426.2
341.4	82.5°	312.4	290.6	301.5	265.1	240.9	254.2	364.4	429.8	340.2	307.5
192.5	85°	179.2	188.9	213.1	175.6	139.2	156.2	267.6	308.7	256.7	226.4
63.0	87.5°	48.4	66.6	98.1	90.8	63.0	66.6	127.1	170.7	147.7	113.8
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>
2555.8
2621.2
2725.3
2851.2
2967.4
3008.6
3009.8
2956.5
2831.8
2655.1
2469.8
2300.3
2150.2
1962.5
1751.9
1542.4
1354.8
1197.4
1041.2
952.8
897.1
858.4
831.7
802.7
753.1
711.9
694.9
693.7
682.8
739.7
733.7
518.2
399.5
306.3
231.2
117.4
0.0

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