

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: P940442

Luminaire Tested: **GALN-SB3C-735-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

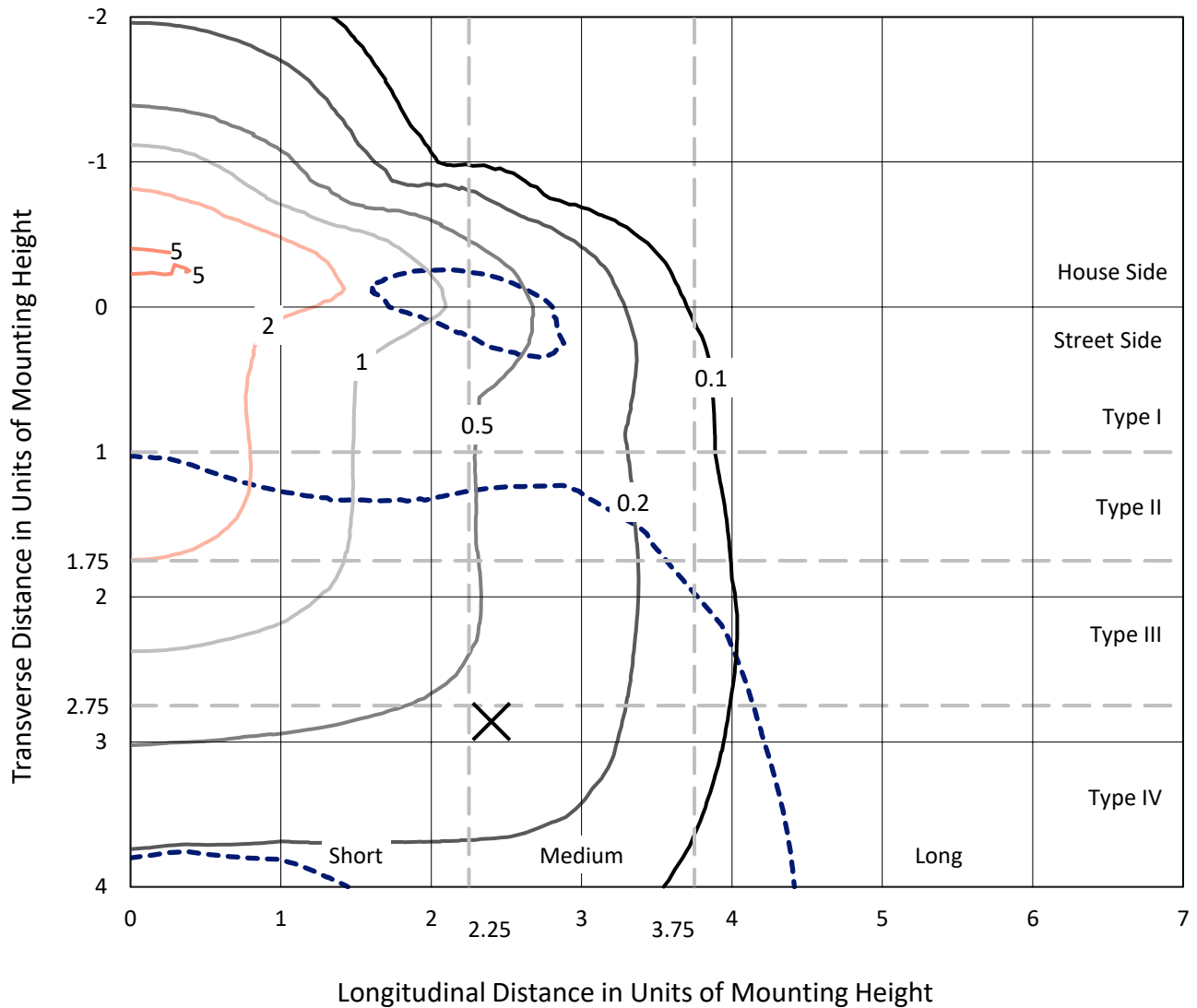
Lumens per Lamp: N/A  
Luminaire Lumens: 22274 lumens  
Efficiency: N/A  
Efficacy: 149.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

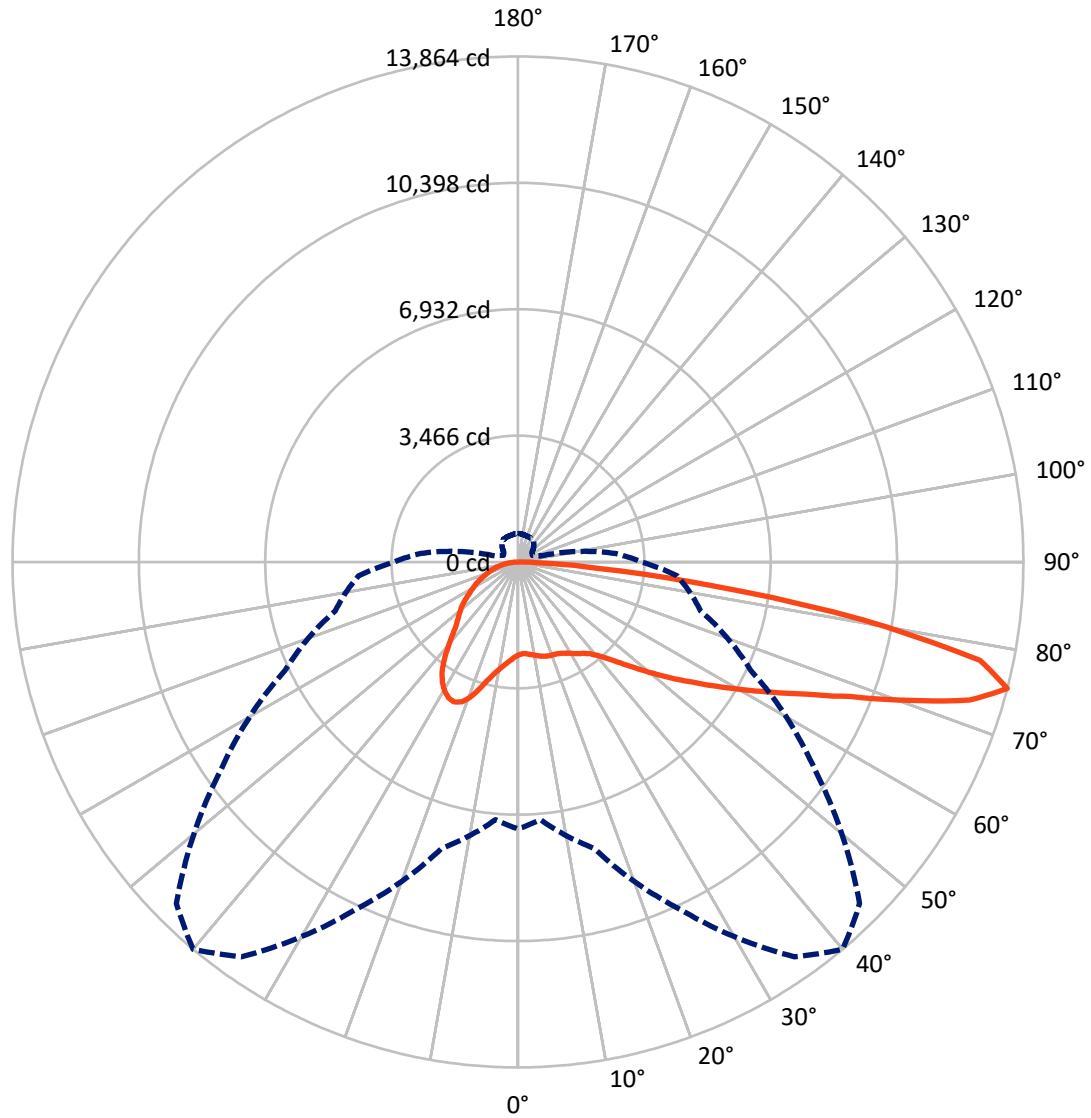
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6901.2	0.0	6901.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	15372.8	0.0	15372.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	22274.0	0.0	22274.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.2	1.1
10°-20°	853.6	3.8
20°-30°	1558.6	7.0
30°-40°	2210.6	9.9
40°-50°	2984.9	13.4
50°-60°	4015.5	18.0
60°-70°	5096.7	22.9
70°-80°	4625.5	20.8
80°-90°	674.2	3.0
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°	22274.0	100.0
0°-180°	22274.0	100.0

**Coefficient of Utilization**



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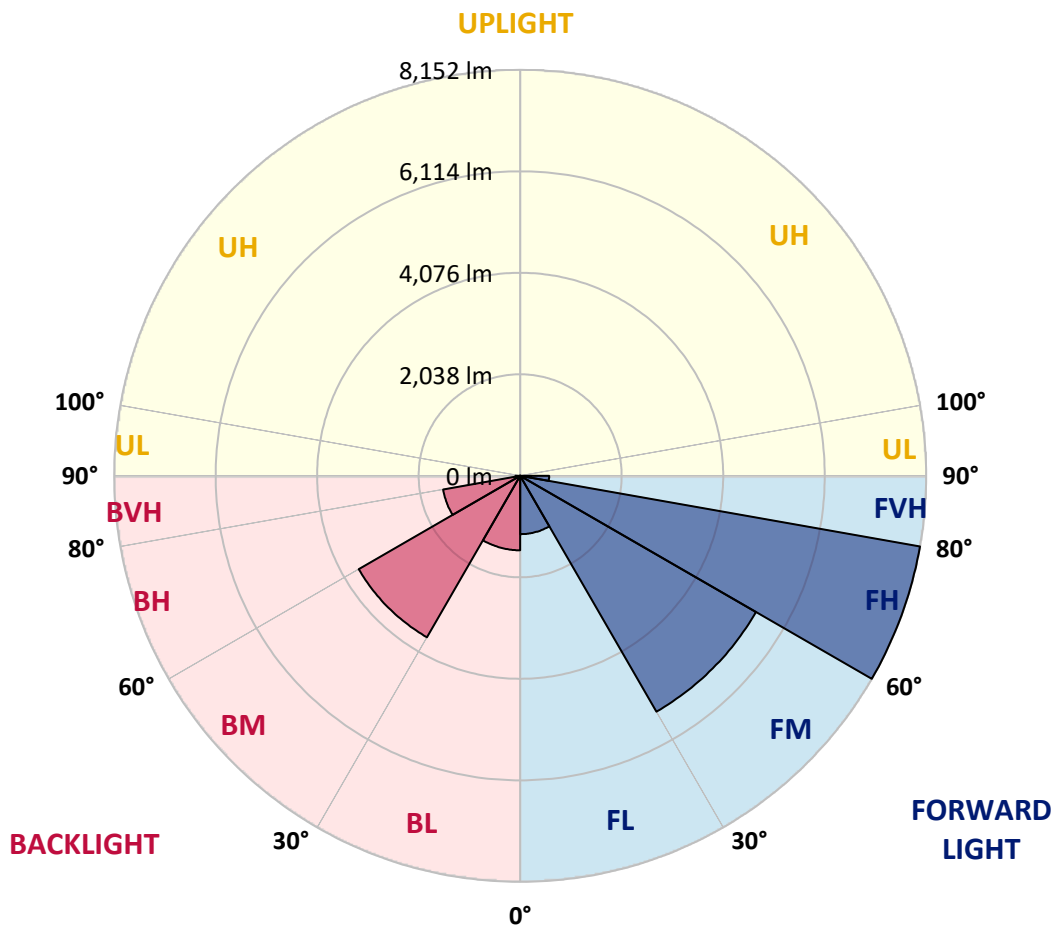
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1171.6	5.3			
FM (30°-60°)	5467.8	24.5			
FH (60°-80°)	8151.9	36.6			G4/12000
FVH (80°-90°)	581.4	2.6			G4/750
BL (0°-30°)	1494.9	6.7	B3/2500		
BM (30°-60°)	3743.3	16.8	B3/5000		
BH (60°-80°)	1570.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	92.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2547.1	2547.1	2547.1	2547.1	2547.1	2547.1	2547.1	2547.1	2547.1	2547.1
2.5°	2508.1	2522.3	2518.7	2514.0	2514.0	2515.2	2514.0	2522.3	2530.5	2538.8
5°	2534.1	2548.2	2541.2	2535.2	2530.5	2529.3	2525.8	2524.6	2529.3	2540.0
7.5°	2584.9	2599.0	2588.4	2577.8	2568.3	2563.6	2558.9	2551.8	2548.2	2554.1
10°	2641.6	2655.7	2642.8	2623.9	2608.5	2602.6	2597.9	2590.8	2586.0	2589.6
12.5°	2698.3	2712.5	2694.7	2668.7	2648.7	2645.1	2639.2	2636.8	2635.7	2634.5
15°	2751.4	2763.3	2740.8	2710.1	2688.8	2682.9	2677.0	2680.6	2686.5	2693.6
17.5°	2792.8	2804.6	2771.5	2731.4	2711.3	2708.9	2705.4	2717.2	2733.7	2751.4
20°	2830.6	2842.4	2799.9	2745.5	2721.9	2721.9	2723.1	2747.9	2771.5	2797.5
22.5°	2883.8	2893.2	2841.2	2766.8	2732.5	2734.9	2744.4	2769.2	2798.7	2834.1
25°	2962.9	2970.0	2906.2	2807.0	2768.0	2775.1	2783.3	2795.2	2823.5	2864.9
27.5°	3090.5	3096.4	3012.5	2877.8	2818.8	2830.6	2842.4	2834.1	2847.1	2882.6
30°	3270.1	3273.6	3167.3	2988.9	2905.0	2910.9	2913.3	2879.0	2854.2	2882.6
32.5°	3482.7	3481.5	3355.1	3123.6	3003.1	2997.2	2977.1	2909.7	2851.9	2876.7
35°	3812.3	3799.3	3636.3	3312.6	3114.1	3077.5	3030.2	2944.0	2863.7	2870.8
37.5°	4358.1	4318.0	4092.3	3622.1	3279.5	3186.2	3116.5	2999.5	2889.7	2868.4
40°	4973.6	4922.8	4674.7	4046.2	3527.6	3377.6	3265.3	3078.7	2932.2	2879.0
42.5°	5703.7	5631.7	5364.7	4546.0	3841.9	3624.5	3455.5	3179.1	2994.8	2913.3
45°	6600.4	6504.7	6126.7	5109.5	4237.6	3948.2	3722.5	3331.5	3090.5	2979.4
47.5°	7506.5	7530.1	6992.6	5754.5	4712.5	4347.5	4056.9	3560.7	3229.9	3085.8
50°	8469.3	8485.9	7853.8	6469.3	5251.2	4798.8	4432.5	3817.0	3423.6	3237.0
52.5°	9220.7	9223.1	8635.9	7217.1	5812.4	5295.0	4837.8	4110.0	3648.1	3437.8
55°	9690.9	9685.0	9184.1	7924.7	6457.4	5815.9	5286.7	4443.2	3922.2	3674.1
57.5°	10032.3	10014.6	9562.1	8533.1	7145.0	6431.4	5794.7	4821.2	4245.9	3955.3
60°	10162.3	10151.6	9818.5	9058.8	7868.0	7111.9	6380.6	5244.2	4613.3	4287.2
62.5°	10211.9	10232.0	10070.1	9568.0	8641.8	7865.6	7024.5	5749.8	5026.8	4662.9
65°	10386.7	10423.3	10390.3	10234.3	9516.0	8748.1	7878.6	6351.1	5478.1	5065.8
67.5°	10732.9	10769.5	10783.7	11031.8	10584.0	9848.0	8944.3	7100.1	6006.2	5484.0
70°	10724.6	10714.0	10964.4	11666.2	11921.3	11370.8	10380.8	8021.6	6635.8	5831.3
72.5°	9761.8	9676.7	10268.6	11659.1	13034.2	12961.0	12135.2	9210.1	7179.3	5873.8
75°	7323.4	7096.6	8142.1	10507.2	13219.7	13863.5	13250.4	9947.2	7050.5	5189.8
77.5°	3131.8	2903.8	4136.0	7778.2	11831.5	12959.8	12227.3	8678.4	5628.1	3431.9
80°	819.9	818.7	1249.9	3526.4	8046.4	9570.4	8396.1	5604.5	3215.7	1226.3
82.5°	339.1	330.8	459.6	1371.6	3931.6	5370.6	4382.9	2499.8	1161.3	332.0
85°	126.4	125.2	223.3	473.7	1386.9	2215.1	1603.1	639.1	289.4	161.8
87.5°	35.4	34.3	48.4	164.2	337.9	512.7	274.1	105.1	81.5	63.8
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°
2547.1	0°	2547.1	2547.1	2547.1	2547.1	2547.1	2547.1	2547.1	2547.1	2547.1	2547.1
2551.8	2.5°	2555.3	2561.2	2571.9	2580.1	2590.8	2602.6	2619.1	2629.8	2640.4	2647.5
2557.7	5°	2566.0	2579.0	2606.1	2633.3	2665.2	2694.7	2729.0	2753.8	2773.9	2779.8
2579.0	7.5°	2589.6	2610.9	2656.9	2703.0	2753.8	2802.2	2851.9	2894.4	2928.6	2941.6
2616.8	10°	2630.9	2659.3	2724.3	2789.2	2856.6	2931.0	2994.8	3056.2	3104.7	3124.8
2661.7	12.5°	2682.9	2718.4	2803.4	2893.2	2986.5	3089.3	3172.0	3247.6	3307.9	3335.0
2724.3	15°	2750.3	2796.3	2905.0	3025.5	3162.6	3305.5	3410.7	3494.5	3561.9	3594.9
2789.2	17.5°	2823.5	2884.9	3022.0	3203.9	3400.0	3587.9	3710.7	3772.2	3841.9	3873.8
2849.5	20°	2894.4	2970.0	3166.1	3430.7	3691.8	3891.5	3990.7	4007.3	4012.0	4015.5
2906.2	22.5°	2967.6	3069.2	3346.9	3716.6	3996.6	4134.8	4149.0	4078.1	3978.9	3932.8
2961.7	25°	3048.0	3182.6	3583.1	4032.1	4258.9	4275.4	4166.7	3994.3	3806.4	3720.2
3006.6	27.5°	3125.9	3313.8	3866.7	4333.3	4447.9	4302.6	4068.7	3824.1	3597.3	3506.3
3038.5	30°	3203.9	3463.8	4179.7	4596.8	4534.1	4235.3	3913.9	3641.0	3413.0	3317.3
3066.9	32.5°	3283.1	3638.7	4540.1	4787.0	4518.8	4092.3	3721.4	3435.5	3234.6	3134.2
3091.7	35°	3372.8	3853.7	4881.5	4890.9	4416.0	3882.0	3467.4	3189.7	3014.9	2934.6
3121.2	37.5°	3489.8	4126.6	5182.7	4916.9	4236.4	3573.7	3151.9	2899.1	2755.0	2718.4
3164.9	40°	3635.1	4455.0	5413.1	4875.6	3970.6	3199.2	2807.0	2604.9	2523.4	2531.7
3224.0	42.5°	3824.1	4822.4	5574.9	4769.2	3600.9	2812.9	2504.5	2414.7	2453.7	2486.8
3312.6	45°	4069.9	5204.0	5675.4	4588.5	3182.6	2485.6	2326.1	2347.4	2376.9	2380.5
3455.5	47.5°	4384.1	5590.3	5741.5	4315.6	2756.2	2255.3	2212.7	2217.5	2211.5	2186.7
3669.4	50°	4776.3	5966.0	5800.6	3954.1	2393.5	2111.1	2054.4	2037.9	1956.4	1876.0
3954.1	52.5°	5222.9	6310.9	5825.4	3505.2	2111.1	1990.6	1898.5	1794.5	1642.1	1617.3
4312.0	55°	5719.1	6629.9	5761.6	2953.5	1873.7	1835.9	1696.5	1571.2	1554.7	1533.4
4783.4	57.5°	6312.1	6973.7	5631.7	2338.0	1630.3	1655.1	1519.3	1533.4	1503.9	1470.8
5389.5	60°	6960.7	7329.3	5403.6	1776.8	1378.7	1429.5	1473.2	1472.0	1463.7	1436.6
6028.6	62.5°	7544.3	7563.2	4954.7	1361.0	1157.8	1254.6	1373.9	1372.8	1365.7	1350.3
6696.1	65°	7891.6	7527.8	4205.7	1071.5	975.8	1110.5	1239.3	1248.7	1249.9	1248.7
7198.2	67.5°	7830.2	7113.1	3177.9	853.0	825.8	964.0	1105.8	1118.8	1128.2	1130.6
7262.0	70°	7135.6	6202.3	2072.1	680.5	692.3	835.2	979.4	992.4	1000.6	1010.1
6301.5	72.5°	5562.0	4560.1	1186.1	550.5	575.3	724.2	854.1	869.5	874.2	891.9
4385.3	75°	3389.4	2681.7	640.3	433.6	472.6	619.0	730.1	747.8	756.1	777.3
2153.7	77.5°	1611.4	1161.3	365.0	337.9	380.4	505.6	616.7	636.8	614.3	626.1
594.2	80°	544.6	431.2	230.4	257.5	290.6	394.6	493.8	513.9	466.6	464.3
197.3	82.5°	190.2	174.8	146.5	171.3	187.8	282.4	373.3	399.3	347.3	346.1
88.6	85°	74.4	70.9	81.5	93.3	112.2	173.7	245.7	258.7	213.8	172.5
26.0	87.5°	15.4	16.5	20.1	21.3	34.3	60.3	88.6	108.7	86.2	73.2
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>
2547.1
2642.8
2782.2
2942.8
3125.9
3335.0
3592.6
3872.6
4025.0
3945.8
3733.2
3517.0
3328.0
3147.2
2952.3
2744.4
2560.1
2517.5
2404.1
2205.6
1886.7
1625.6
1537.0
1464.9
1427.1
1344.4
1248.7
1132.9
1014.8
899.0
779.7
616.7
459.6
329.6
170.1
67.3
0.0

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