

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: P940457

Luminaire Tested: **GALN-SB3C-740-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940457
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-SB3C-740-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23789 lumens
Efficiency: N/A
Efficacy: 159.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

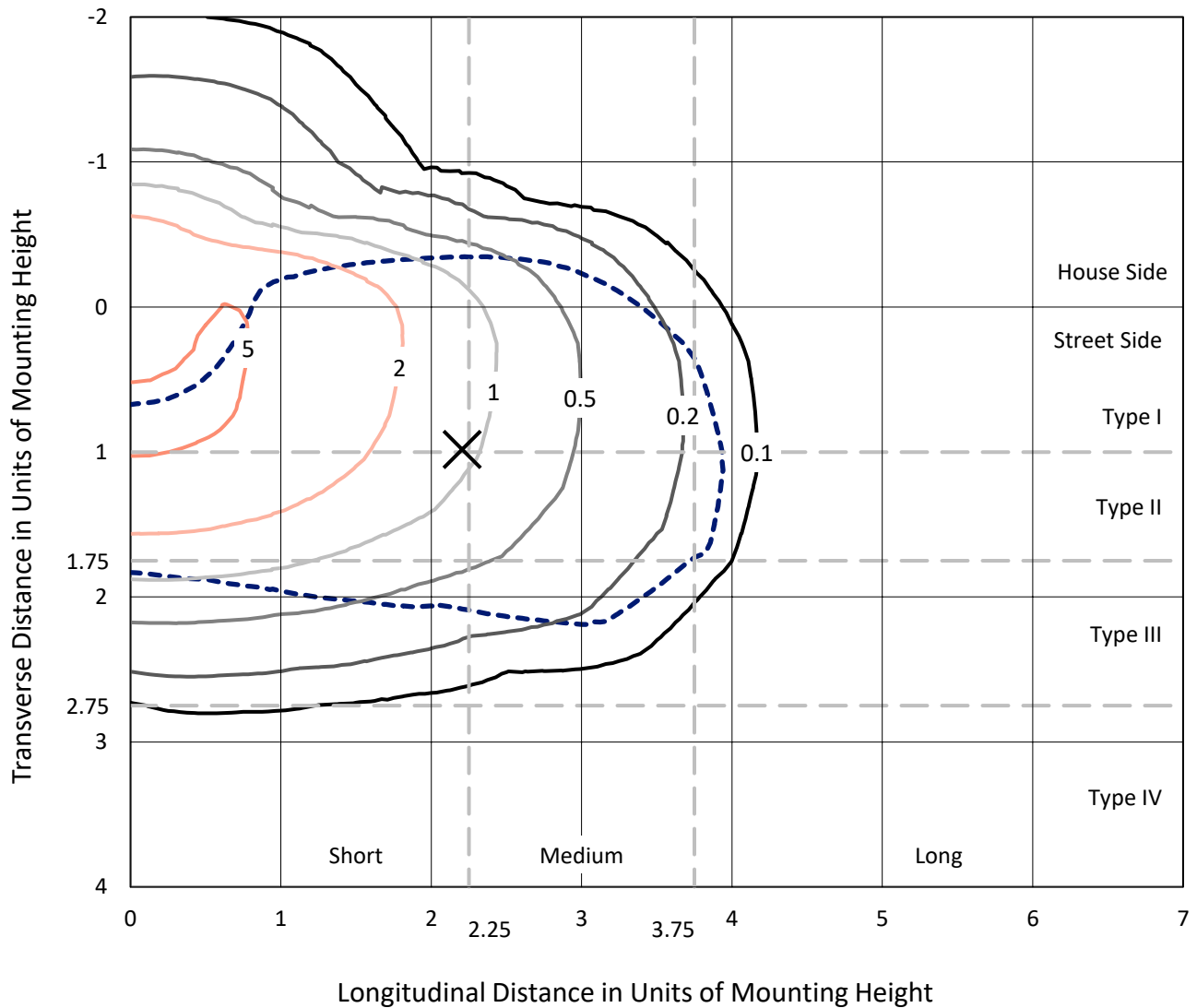
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

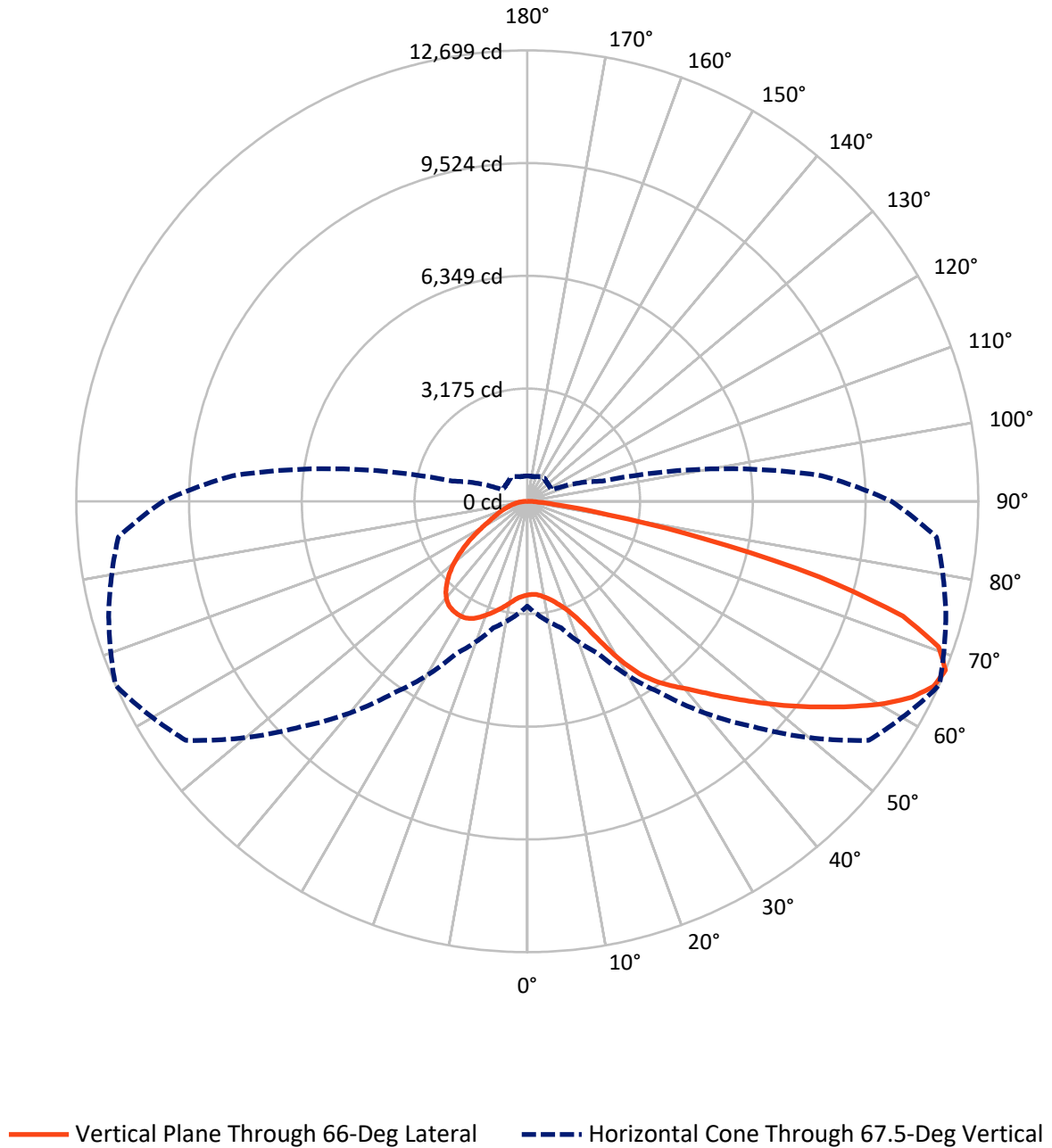
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5915.1	0.0	5915.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	17873.9	0.0	17873.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	23789.0	0.0	23789.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.6	1.1
10°-20°	864.3	3.6
20°-30°	1665.9	7.0
30°-40°	2920.9	12.3
40°-50°	4342.4	18.3
50°-60°	5504.4	23.1
60°-70°	5385.9	22.6
70°-80°	2569.1	10.8
80°-90°	274.6	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°	23789.0	100.0
0°-180°	23789.0	100.0

Coefficient of Utilization



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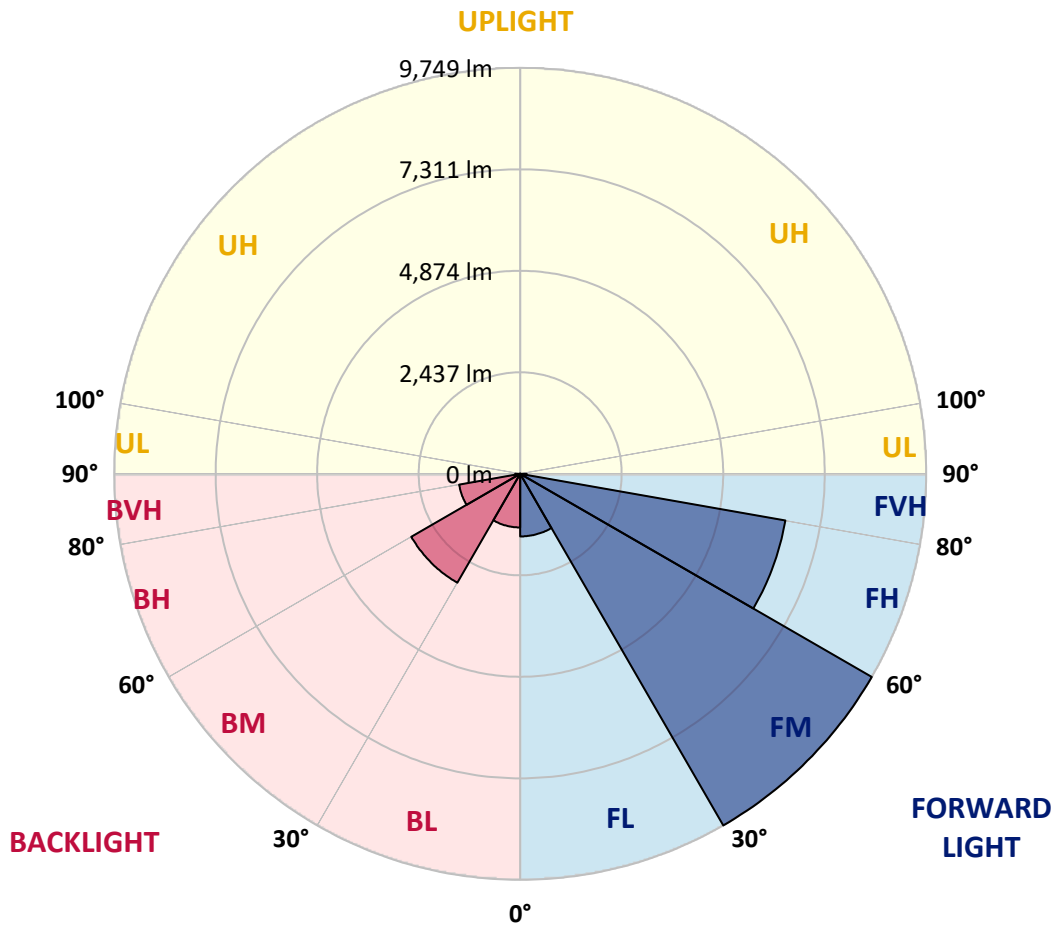
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1503.2	6.3			
FM (30°-60°)	9748.5	41.0			
FH (60°-80°)	6466.5	27.2			G3/7500
FVH (80°-90°)	155.7	0.7			G2/225
BL (0°-30°)	1288.5	5.4	B3/2500		
BM (30°-60°)	3019.1	12.7	B3/5000		
BH (60°-80°)	1488.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	118.9	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°	2638.5	2638.5	2638.5	2638.5	2638.5	2638.5	2638.5	2638.5	2638.5	2638.5
2.5°	2611.0	2626.0	2622.3	2616.0	2614.8	2617.3	2621.0	2624.8	2623.5	2629.8
5°	2603.5	2618.5	2617.3	2617.3	2622.3	2632.3	2638.5	2644.8	2638.5	2646.0
7.5°	2608.5	2619.8	2624.8	2629.8	2642.3	2661.0	2676.0	2689.8	2682.3	2691.0
10°	2672.3	2681.0	2686.0	2686.0	2694.8	2716.0	2731.0	2756.0	2749.8	2763.5
12.5°	2788.5	2797.3	2797.3	2792.3	2798.5	2812.2	2817.2	2844.7	2833.5	2856.0
15°	2931.0	2948.5	2934.7	2926.0	2928.5	2942.2	2941.0	2962.2	2951.0	2969.7
17.5°	3088.5	3111.0	3088.5	3087.2	3082.2	3097.2	3098.5	3117.2	3097.2	3111.0
20°	3274.7	3306.0	3287.2	3293.5	3282.2	3288.5	3294.7	3322.2	3291.0	3301.0
22.5°	3537.2	3574.7	3554.7	3578.4	3570.9	3565.9	3564.7	3613.4	3564.7	3568.4
25°	3919.7	3964.6	3929.6	3962.1	3962.1	3978.4	3997.1	4059.6	3978.4	3954.6
27.5°	4484.6	4529.6	4460.9	4480.9	4474.6	4514.6	4494.6	4649.6	4562.1	4523.3
30°	5164.5	5244.5	5114.5	5109.5	5103.3	5167.0	5195.8	5298.3	5209.5	5170.8
32.5°	5899.5	5983.2	5828.2	5783.2	5759.5	5798.2	5774.5	5857.0	5795.7	5735.7
35°	6676.9	6759.4	6611.9	6524.4	6429.4	6348.2	6263.2	6284.4	6226.9	6135.7
37.5°	7411.8	7563.1	7406.8	7313.1	7138.1	6979.4	6741.9	6643.2	6589.4	6505.7
40°	8160.5	8246.8	8128.0	8048.0	7858.0	7609.3	7229.4	7020.6	6948.1	6866.9
42.5°	8711.7	8794.2	8730.5	8675.5	8526.7	8238.0	7746.8	7485.6	7380.6	7289.3
45°	9149.2	9210.4	9170.4	9190.4	9126.7	8846.7	8283.0	7984.3	7875.5	7764.3
47.5°	9325.4	9390.4	9454.2	9572.9	9681.6	9475.4	8859.2	8524.2	8409.2	8295.5
50°	9305.4	9371.7	9556.6	9809.1	10146.6	10077.9	9466.7	9099.2	8992.9	8863.0
52.5°	9145.4	9220.4	9457.9	9877.9	10415.3	10529.1	10085.3	9692.9	9592.9	9437.9
55°	8725.5	8770.5	9126.7	9721.6	10479.1	10844.0	10691.5	10325.3	10225.3	10009.1
57.5°	7946.8	8011.8	8530.5	9300.4	10319.1	11057.8	11224.0	10990.3	10894.0	10582.8
60°	6930.6	7034.4	7628.1	8593.0	9911.6	11056.5	11707.7	11644.0	11564.0	11147.8
62.5°	5780.7	5900.7	6471.9	7593.1	9199.2	10742.8	12010.2	12191.4	12150.2	11669.0
65°	4439.6	4522.1	5090.8	6299.4	8090.5	10069.1	12045.2	12565.1	12572.6	12065.2
67.5°	2956.0	3193.5	3687.2	4727.1	6605.7	8967.9	11737.7	12626.4	12698.9	12201.4
70°	1442.4	1754.8	2238.6	3072.2	4727.1	7279.4	10934.0	12123.9	12285.2	11803.9
72.5°	598.7	699.9	963.7	1516.1	2713.5	4912.1	9319.2	10761.5	11060.3	10459.1
75°	403.7	437.5	551.2	777.4	1236.1	2422.3	6720.7	8024.3	8505.5	7899.3
77.5°	311.2	332.5	401.2	543.7	734.9	916.2	3597.2	4835.8	5084.5	4707.1
80°	245.0	261.2	300.0	396.2	521.2	490.0	1226.1	2191.1	2334.8	1958.6
82.5°	212.5	218.7	215.0	268.7	346.2	286.2	402.5	808.7	892.4	647.4
85°	153.7	171.2	178.7	166.2	183.7	145.0	165.0	286.2	315.0	281.2
87.5°	62.5	92.5	113.7	107.5	67.5	41.2	51.2	83.7	96.2	105.0
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°
2638.5	0°	2638.5	2638.5	2638.5	2638.5	2638.5	2638.5	2638.5	2638.5	2638.5	2638.5
2639.8	2.5°	2641.0	2649.8	2656.0	2663.5	2668.5	2676.0	2691.0	2699.8	2701.0	2707.3
2659.8	5°	2664.8	2677.3	2691.0	2711.0	2733.5	2752.3	2781.0	2801.0	2808.5	2814.7
2708.5	7.5°	2716.0	2733.5	2758.5	2793.5	2826.0	2851.0	2886.0	2909.7	2933.5	2942.2
2786.0	10°	2792.3	2817.2	2853.5	2901.0	2936.0	2968.5	3004.7	3024.7	3048.5	3058.5
2878.5	12.5°	2887.2	2913.5	2961.0	3027.2	3059.7	3082.2	3094.7	3089.7	3094.7	3103.5
2989.7	15°	2996.0	3024.7	3078.5	3149.7	3172.2	3152.2	3124.7	3099.7	3096.0	3098.5
3124.7	17.5°	3124.7	3146.0	3208.5	3268.5	3252.2	3169.7	3109.7	3069.7	3049.7	3043.5
3297.2	20°	3304.7	3304.7	3356.0	3393.4	3284.7	3144.7	3051.0	2986.0	2944.7	2927.2
3532.2	22.5°	3523.4	3503.4	3535.9	3509.7	3278.5	3074.7	2944.7	2832.2	2769.8	2744.8
3860.9	25°	3800.9	3777.2	3768.4	3605.9	3233.5	2963.5	2752.3	2616.0	2561.0	2547.3
4334.6	27.5°	4219.6	4159.6	4045.9	3658.4	3151.0	2788.5	2527.3	2401.0	2369.8	2371.0
4943.3	30°	4777.1	4657.1	4378.4	3667.2	3016.0	2541.0	2297.3	2207.3	2192.3	2198.6
5454.5	32.5°	5293.3	5179.5	4718.3	3627.2	2808.5	2298.5	2091.1	2031.1	2008.6	2016.1
5844.5	35°	5698.2	5667.0	5033.3	3570.9	2553.5	2071.1	1906.1	1854.8	1811.1	1801.1
6211.9	37.5°	6080.7	6068.2	5269.5	3492.2	2301.0	1909.8	1757.3	1689.8	1626.1	1591.1
6618.2	40°	6500.7	6488.2	5424.5	3370.9	2077.3	1769.8	1623.6	1534.9	1456.1	1392.4
7078.1	42.5°	6973.1	6899.4	5498.3	3197.2	1887.3	1651.1	1514.9	1394.9	1291.1	1232.4
7598.1	45°	7489.3	7323.1	5497.0	2976.0	1727.3	1542.4	1398.6	1228.6	1132.4	1077.4
8131.8	47.5°	8036.8	7728.1	5429.5	2731.0	1572.4	1422.4	1218.6	1088.7	1024.9	991.2
8711.7	50°	8601.7	8106.8	5314.5	2449.8	1413.6	1286.1	1106.2	1017.4	968.7	937.4
9286.7	52.5°	9132.9	8450.5	5175.8	2131.1	1252.4	1153.6	1056.2	987.4	936.2	901.2
9844.1	55°	9626.6	8746.7	4979.6	1804.8	1121.1	1064.9	1032.4	974.9	916.2	874.9
10410.3	57.5°	10065.4	8939.2	4640.8	1498.6	1027.4	1003.7	1007.4	953.7	886.2	851.2
10967.8	60°	10430.3	9080.4	4139.6	1214.9	951.2	943.7	968.7	913.7	834.9	794.9
11439.0	62.5°	10649.0	9077.9	3524.7	994.9	886.2	888.7	917.4	863.7	783.7	746.2
11685.2	65°	10630.3	8855.5	2849.7	851.2	823.7	826.2	863.7	808.7	741.2	718.7
11561.5	67.5°	10254.1	8313.0	2186.1	757.4	754.9	766.2	809.9	771.2	714.9	712.4
10824.0	70°	9235.4	7186.9	1574.9	682.4	683.7	699.9	757.4	747.4	701.2	706.2
9100.4	72.5°	7405.6	5479.5	1057.4	603.7	604.9	631.2	707.4	728.7	687.4	753.7
6456.9	75°	4932.1	3417.2	679.9	520.0	521.2	555.0	663.7	692.4	649.9	751.2
3359.7	77.5°	2369.8	1536.1	492.5	437.5	437.5	468.7	573.7	619.9	553.7	583.7
1079.9	80°	818.7	577.4	387.5	352.5	345.0	366.2	483.7	537.5	477.5	440.0
352.5	82.5°	322.5	300.0	311.2	273.7	248.7	262.5	376.2	443.7	351.2	317.5
198.7	85°	185.0	195.0	220.0	181.2	143.7	161.2	276.2	318.7	265.0	233.7
65.0	87.5°	50.0	68.7	101.2	93.7	65.0	68.7	131.2	176.2	152.5	117.5
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>
2638.5
2706.0
2813.5
2943.5
3063.5
3106.0
3107.2
3052.2
2923.5
2741.0
2549.8
2374.8
2219.8
2026.1
1808.6
1592.4
1398.6
1236.1
1074.9
983.7
926.2
886.2
858.7
828.7
777.4
734.9
717.4
716.2
704.9
763.7
757.4
535.0
412.5
316.2
238.7
121.2
0.0

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