

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: P948483

Luminaire Tested: **GALN-SB3C-735-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948483  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
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-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

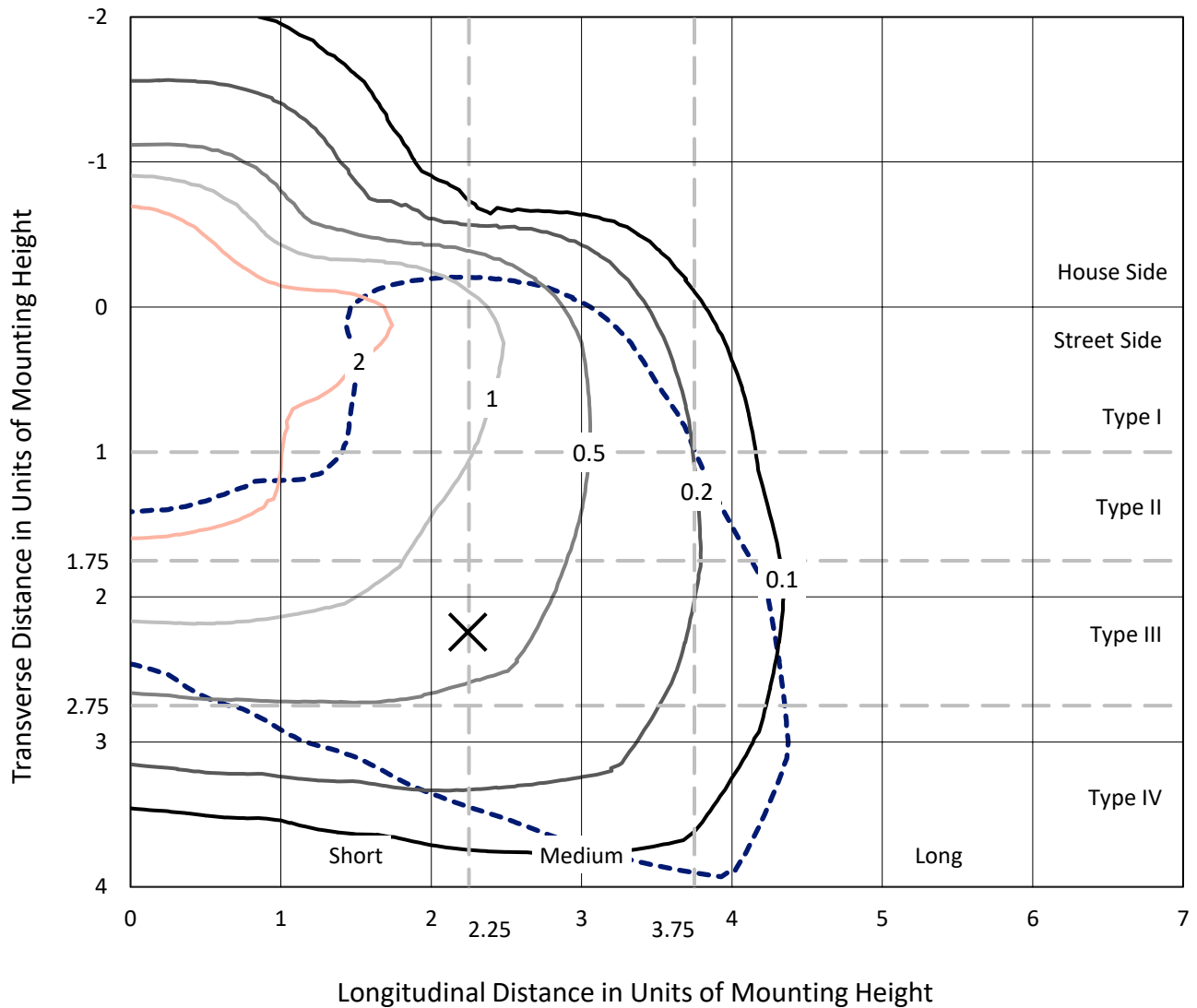
Lumens per Lamp: N/A  
Luminaire Lumens: 22426 lumens  
Efficiency: N/A  
Efficacy: 150.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

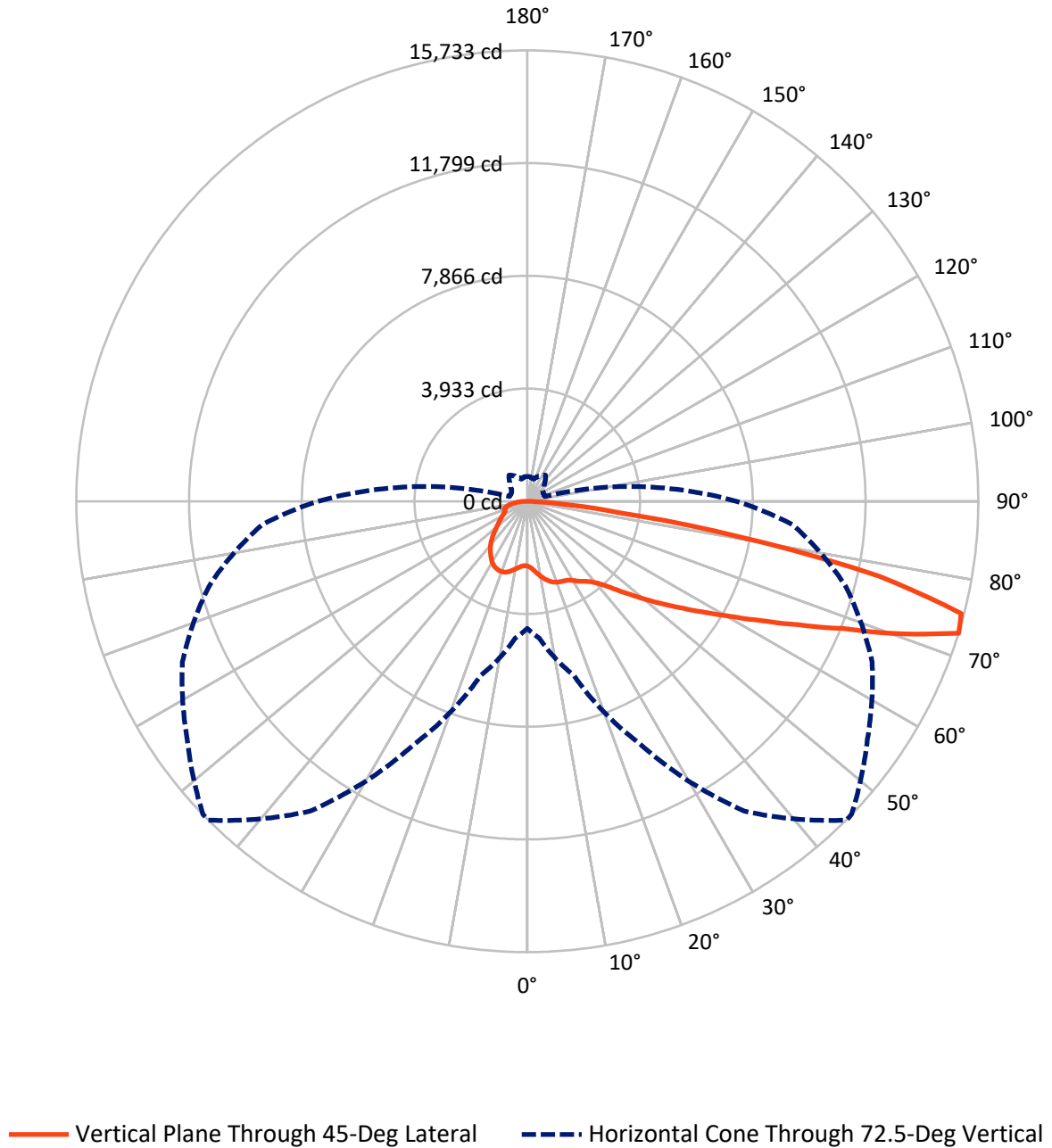
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type IV - 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	5069.8	0.0	5069.8
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	17356.2	0.0	17356.2
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	22426.0	0.0	22426.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.3	1.0
10°-20°	767.7	3.4
20°-30°	1335.5	6.0
30°-40°	1914.5	8.5
40°-50°	2695.7	12.0
50°-60°	4129.1	18.4
60°-70°	5981.6	26.7
70°-80°	4776.7	21.3
80°-90°	594.9	2.7
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°	22426.0	100.0
0°-180°	22426.0	100.0

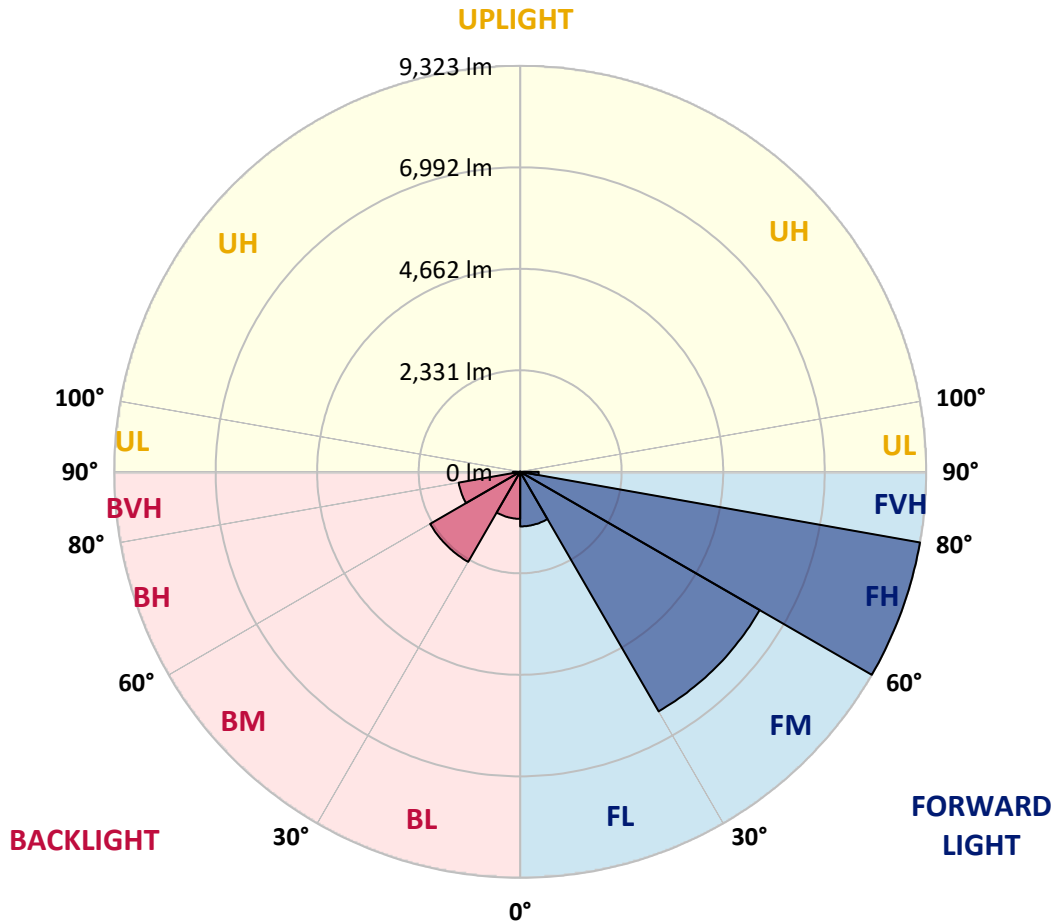


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1254.1	5.6			
FM (30°-60°)	6352.2	28.3			
FH (60°-80°)	9323.1	41.6			G4/12000
FVH (80°-90°)	426.8	1.9			G3/500
BL (0°-30°)	1079.4	4.8	B3/2500		
BM (30°-60°)	2387.1	10.6	B2/2500		
BH (60°-80°)	1435.1	6.4	B3/2500		G3/2500
BVH (80°-90°)	168.1	0.7			G2/225
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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3
2.5°	2351.0	2366.3	2352.1	2339.1	2333.2	2317.9	2316.7	2307.2	2301.3	2284.8
5°	2515.2	2535.2	2511.6	2485.6	2462.0	2424.2	2419.5	2392.3	2361.6	2326.1
7.5°	2700.6	2718.4	2691.2	2652.2	2610.9	2548.2	2547.1	2497.4	2449.0	2388.8
10°	2862.5	2886.1	2849.5	2796.3	2744.4	2673.5	2665.2	2608.5	2547.1	2469.1
12.5°	3005.4	3022.0	2986.5	2921.6	2861.3	2790.4	2779.8	2717.2	2648.7	2560.1
15°	3118.8	3140.1	3092.9	3023.2	2959.4	2889.7	2880.2	2823.5	2755.0	2661.7
17.5°	3193.3	3211.0	3162.6	3084.6	3023.2	2965.3	2958.2	2910.9	2850.7	2756.2
20°	3221.6	3240.5	3189.7	3110.6	3053.9	3009.0	3005.4	2971.2	2929.8	2843.6
22.5°	3250.0	3267.7	3201.5	3118.8	3069.2	3040.9	3039.7	3017.3	3000.7	2929.8
25°	3364.6	3369.3	3280.7	3161.4	3090.5	3065.7	3064.5	3063.3	3070.4	3014.9
27.5°	3463.8	3462.6	3387.0	3274.8	3164.9	3112.9	3111.8	3123.6	3146.0	3099.9
30°	3609.1	3596.1	3506.3	3389.4	3289.0	3208.6	3201.5	3190.9	3208.6	3172.0
32.5°	3917.5	3876.1	3730.8	3522.9	3391.7	3330.3	3320.9	3254.7	3261.8	3239.3
35°	4359.3	4305.0	4111.2	3775.7	3519.3	3431.9	3427.2	3343.3	3329.1	3309.1
37.5°	4885.0	4817.7	4592.0	4141.9	3739.1	3550.1	3543.0	3467.4	3409.5	3388.2
40°	5413.1	5328.0	5141.4	4588.5	4062.8	3747.3	3724.9	3610.3	3544.1	3508.7
42.5°	5925.8	5854.9	5695.4	5089.4	4462.1	4035.6	3986.0	3789.9	3740.3	3707.2
45°	6379.5	6315.7	6198.7	5624.6	4929.9	4427.8	4379.4	4059.2	4043.9	4043.9
47.5°	6748.1	6733.9	6609.8	6170.4	5481.6	4874.4	4790.5	4433.7	4475.1	4538.9
50°	7156.8	7117.8	6985.5	6707.9	6130.2	5385.9	5317.4	4893.3	5048.0	5222.9
52.5°	7532.5	7553.8	7406.1	7267.9	6862.6	5956.5	5836.0	5435.5	5769.9	6059.3
55°	7918.8	7920.0	7878.6	7859.7	7630.5	6587.4	6455.1	6087.7	6619.3	6978.4
57.5°	8281.5	8283.9	8345.3	8511.9	8521.3	7315.1	7165.1	6888.6	7563.2	7929.4
60°	8605.2	8621.7	8789.5	9179.3	9304.6	8149.2	8007.4	7834.9	8539.0	8907.6
62.5°	8713.9	8774.1	9147.4	9701.5	10078.4	9172.3	9032.8	8930.1	9564.5	9907.1
65°	8529.6	8667.8	9389.6	10132.7	10874.6	10387.9	10249.7	10137.4	10630.1	10952.6
67.5°	8077.1	8255.5	9375.4	10585.2	11841.0	11850.4	11721.7	11458.2	11772.5	11896.5
70°	6885.1	7152.1	8549.7	10754.1	12950.3	13850.5	13726.5	13048.4	12912.5	12312.4
72.5°	4436.1	4795.2	6295.6	9363.6	13197.2	15732.5	15725.4	14483.7	13272.8	11504.3
75°	1618.5	1838.2	2925.1	5877.4	11077.8	15636.8	15682.8	14238.0	12116.3	8886.4
77.5°	589.5	645.0	954.6	2258.8	6813.0	12546.3	12642.0	11382.6	8624.1	4459.7
80°	309.5	340.2	489.1	876.6	2919.2	7451.0	7601.0	6764.6	4053.3	1343.2
82.5°	171.3	185.5	274.1	476.1	1314.9	3186.2	3276.0	2672.3	1425.9	569.4
85°	92.1	98.1	128.8	259.9	642.7	1104.6	1129.4	798.6	568.2	334.3
87.5°	27.2	33.1	42.5	82.7	251.6	248.1	254.0	158.3	224.5	168.9
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°
2262.3	0°	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3
2280.1	2.5°	2273.0	2269.4	2256.4	2250.5	2243.4	2242.3	2248.2	2249.4	2250.5	2251.7
2306.1	5°	2294.2	2282.4	2270.6	2263.5	2265.9	2267.1	2278.9	2287.2	2293.1	2297.8
2354.5	7.5°	2335.6	2326.1	2306.1	2304.9	2308.4	2319.1	2334.4	2353.3	2363.9	2372.2
2417.1	10°	2397.0	2379.3	2355.7	2359.2	2366.3	2381.7	2413.6	2428.9	2446.6	2462.0
2493.9	12.5°	2459.6	2444.3	2417.1	2419.5	2431.3	2458.5	2489.2	2508.1	2519.9	2531.7
2576.6	15°	2541.2	2514.0	2484.4	2484.4	2505.7	2535.2	2549.4	2564.8	2571.9	2584.9
2665.2	17.5°	2625.0	2589.6	2550.6	2548.2	2574.2	2588.4	2596.7	2599.0	2601.4	2615.6
2751.4	20°	2708.9	2669.9	2614.4	2609.7	2615.6	2613.2	2612.0	2609.7	2613.2	2630.9
2840.0	22.5°	2791.6	2746.7	2669.9	2648.7	2632.1	2609.7	2608.5	2607.3	2609.7	2627.4
2935.7	25°	2888.5	2834.1	2731.4	2667.6	2612.0	2581.3	2584.9	2586.0	2588.4	2602.6
3035.0	27.5°	2993.6	2933.4	2788.1	2661.7	2561.2	2540.0	2534.1	2537.6	2545.9	2568.3
3134.2	30°	3098.8	3027.9	2840.0	2638.0	2497.4	2467.9	2449.0	2457.3	2483.3	2505.7
3220.4	32.5°	3194.5	3123.6	2881.4	2586.0	2415.9	2369.9	2345.0	2355.7	2381.7	2389.9
3316.1	35°	3306.7	3226.4	2899.1	2503.3	2327.3	2256.4	2223.4	2208.0	2221.0	2212.7
3428.4	37.5°	3431.9	3348.0	2896.7	2394.7	2223.4	2141.8	2095.8	2037.9	2010.7	1982.4
3593.8	40°	3617.4	3496.9	2868.4	2263.5	2094.6	2020.2	1937.5	1839.4	1778.0	1722.5
3860.8	42.5°	3870.2	3703.6	2816.4	2119.4	1949.3	1879.6	1767.3	1652.8	1555.9	1463.7
4266.0	45°	4247.1	3974.2	2751.4	1965.8	1792.2	1723.6	1602.0	1473.2	1363.3	1245.2
4841.3	47.5°	4790.5	4338.0	2690.0	1791.0	1626.8	1564.2	1454.3	1335.0	1205.0	1090.4
5673.0	50°	5537.1	4860.2	2633.3	1620.9	1463.7	1416.5	1329.1	1207.4	1076.2	984.1
6647.6	52.5°	6487.0	5570.2	2609.7	1456.6	1311.3	1293.6	1223.9	1110.5	986.5	908.5
7784.1	55°	7577.4	6419.6	2609.7	1299.5	1177.8	1183.7	1135.3	1030.2	922.7	853.0
8956.1	57.5°	8690.2	7279.7	2562.4	1154.2	1064.4	1089.2	1058.5	966.4	869.5	797.4
10188.2	60°	9715.7	8000.3	2371.0	1021.9	964.0	1003.0	982.9	903.8	785.6	725.4
11218.4	62.5°	10503.7	8406.7	2002.4	916.8	881.3	926.2	915.6	821.1	770.3	745.5
12064.3	65°	10898.3	8340.6	1531.1	823.4	811.6	881.3	858.9	855.3	815.2	786.8
12339.5	67.5°	10656.1	7771.1	1110.5	754.9	771.4	840.0	926.2	940.4	866.0	810.4
11564.6	70°	9594.0	6741.0	827.0	689.9	720.6	841.1	1056.2	984.1	849.4	784.4
9275.0	72.5°	7298.6	5026.8	641.5	621.4	654.5	847.1	1114.0	964.0	802.2	867.1
5778.1	75°	4173.8	2759.7	515.1	537.5	571.8	791.5	1084.5	912.0	765.5	796.3
2289.5	77.5°	1591.3	1060.9	425.3	454.8	459.6	691.1	1037.3	908.5	728.9	711.2
686.4	80°	551.7	414.7	352.1	361.5	355.6	614.3	994.7	790.3	596.6	534.0
283.5	82.5°	225.6	206.7	278.8	267.0	252.8	477.3	803.3	646.2	487.9	431.2
137.0	85°	98.1	131.1	184.3	161.8	146.5	330.8	643.9	547.0	412.3	355.6
44.9	87.5°	20.1	49.6	78.0	73.2	75.6	220.9	457.2	388.7	291.8	218.6
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

<u>180°</u>
2262.3
2256.4
2300.2
2374.6
2458.5
2536.4
2589.6
2620.3
2638.0
2639.2
2621.5
2590.8
2530.5
2419.5
2238.7
2000.1
1726.0
1455.5
1231.0
1077.4
978.2
902.6
845.9
785.6
715.9
737.2
777.3
801.0
773.8
860.0
796.3
648.6
516.3
426.5
354.4
171.3
0.0

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