

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: P948114

Luminaire Tested: **GALN-SB3B-735-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948114  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-735-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

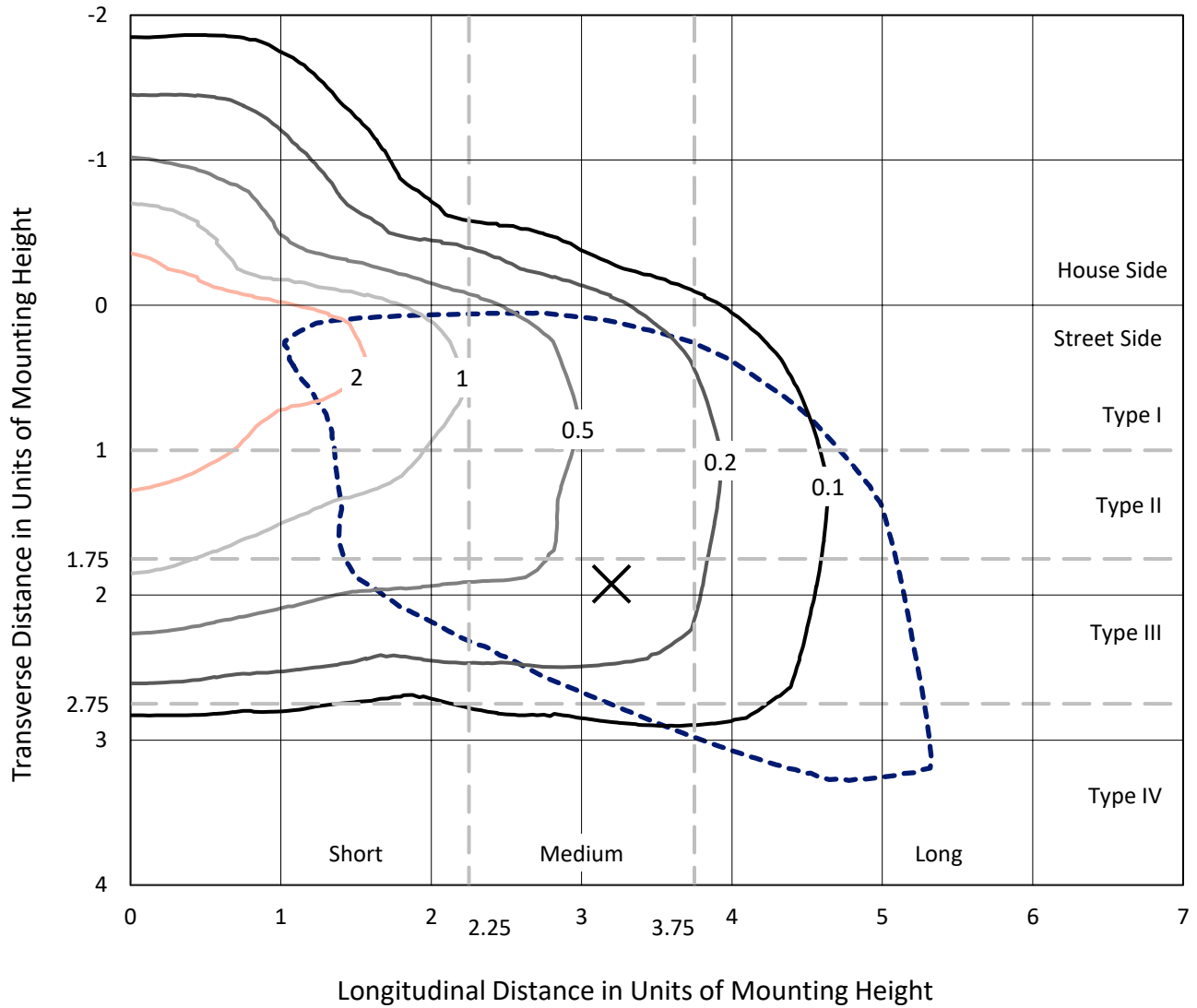
Lumens per Lamp: N/A  
Luminaire Lumens: 16512 lumens  
Efficiency: N/A  
Efficacy: 151.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

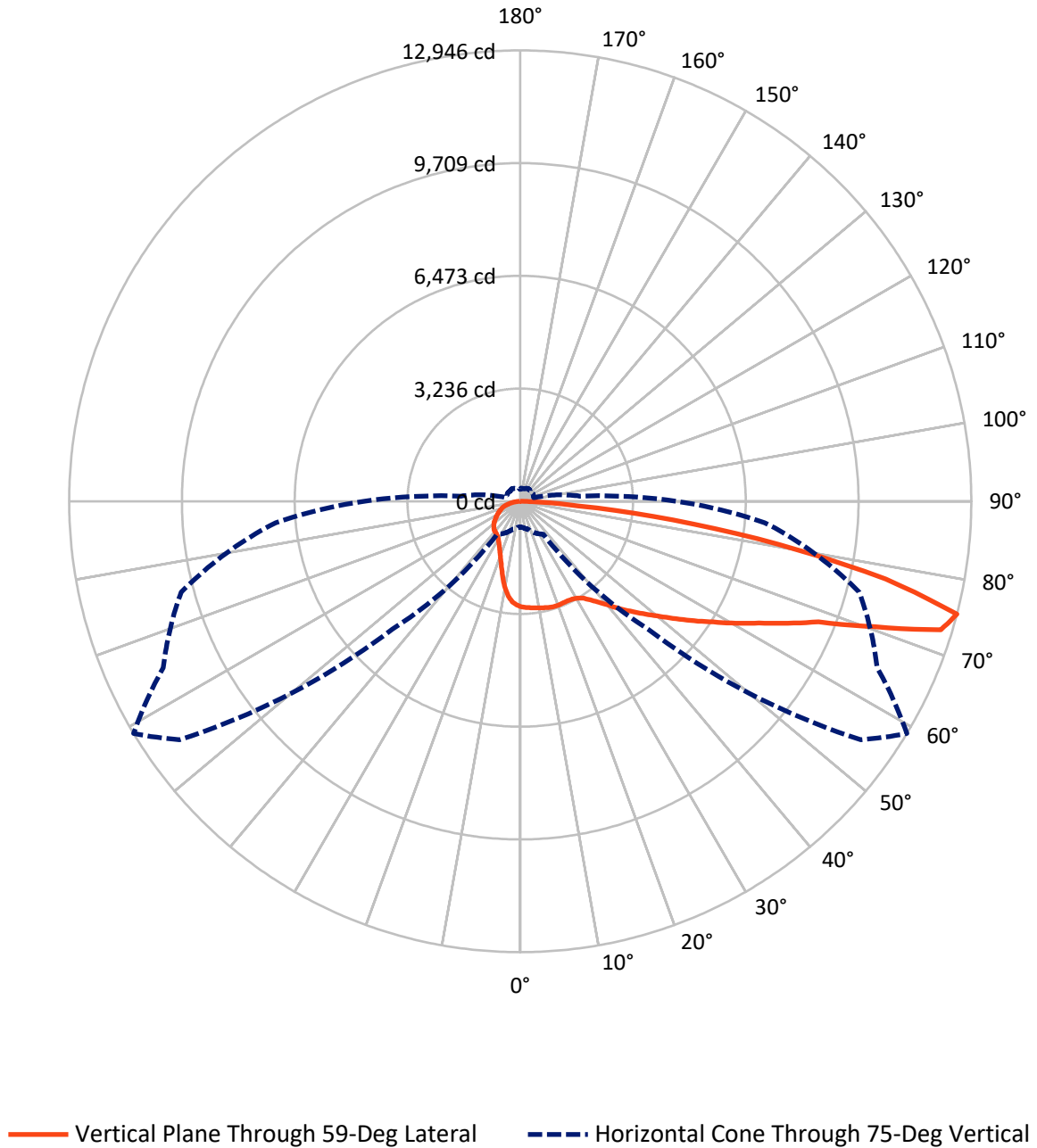
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3096.9	0.0	3096.9
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	13415.1	0.0	13415.1
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	16512.0	0.0	16512.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.8	1.6
10°-20°	694.6	4.2
20°-30°	1055.1	6.4
30°-40°	1568.3	9.5
40°-50°	2332.4	14.1
50°-60°	3166.0	19.2
60°-70°	3865.1	23.4
70°-80°	3033.3	18.4
80°-90°	525.4	3.2
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°	16512.0	100.0
0°-180°	16512.0	100.0

**Coefficient of Utilization**



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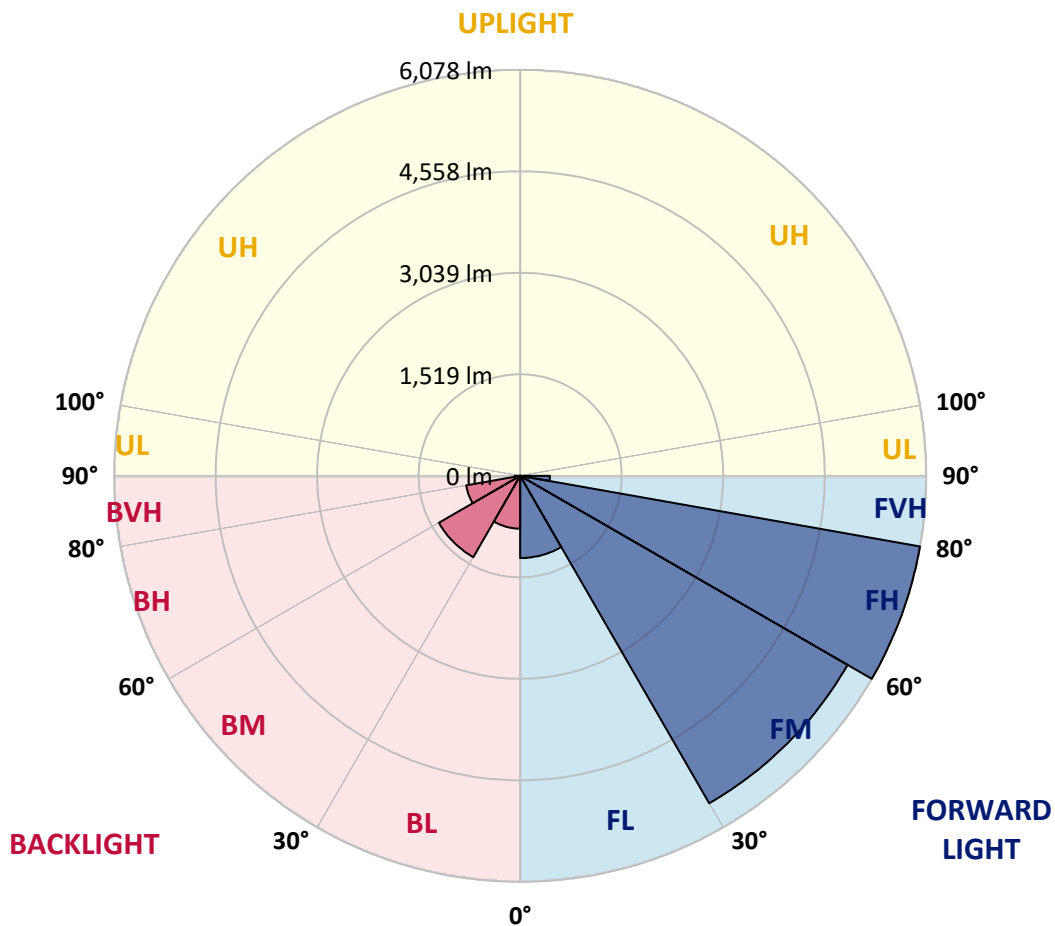
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1231.1	7.5			
FM (30°-60°)	5661.0	34.3			
FH (60°-80°)	6077.9	36.8			G3/7500
FVH (80°-90°)	445.0	2.7			G3/500
BL (0°-30°)	790.3	4.8	B2/1000		
BM (30°-60°)	1405.7	8.5	B2/2500		
BH (60°-80°)	820.5	5.0	B2/1000		G2/1000
BVH (80°-90°)	80.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	3030.7	3030.7	3030.7	3030.7	3030.7	3030.7	3030.7	3030.7	3030.7	3030.7
2.5°	3056.5	3045.8	3056.5	3052.1	3050.3	3046.7	3047.6	3053.8	3050.3	3054.7
5°	3036.1	3029.9	3040.5	3037.8	3049.4	3051.2	3062.7	3069.8	3074.3	3075.2
7.5°	3002.3	2996.1	3011.2	3023.6	3048.5	3055.6	3079.6	3091.1	3097.4	3108.0
10°	2878.8	2876.2	2913.5	2960.6	3019.2	3055.6	3092.0	3111.6	3121.3	3149.8
12.5°	2660.3	2663.9	2712.7	2803.3	2920.6	3037.8	3106.2	3134.7	3149.8	3185.3
15°	2451.6	2450.7	2504.0	2600.8	2765.2	2959.7	3113.3	3162.2	3188.0	3240.4
17.5°	2330.8	2327.2	2364.5	2438.3	2591.1	2839.8	3095.6	3177.3	3232.4	3298.1
20°	2308.6	2301.5	2321.0	2357.4	2465.8	2708.3	3049.4	3177.3	3267.9	3353.2
22.5°	2389.4	2377.9	2369.9	2365.4	2413.4	2599.9	2997.0	3166.6	3320.3	3432.2
25°	2552.0	2534.2	2493.3	2453.4	2439.2	2551.1	2950.8	3164.0	3398.5	3538.8
27.5°	2814.9	2792.7	2710.1	2614.1	2528.0	2576.0	2930.4	3180.0	3484.6	3651.6
30°	3140.9	3116.9	3013.0	2865.5	2711.0	2668.3	2956.1	3227.0	3594.8	3801.7
32.5°	3433.1	3406.5	3317.6	3167.5	2958.8	2828.2	3037.8	3316.8	3768.0	4010.5
35°	3692.5	3661.4	3581.5	3442.9	3262.6	3052.9	3185.3	3475.8	4014.0	4349.8
37.5°	3946.5	3910.1	3823.1	3676.5	3550.4	3352.3	3388.7	3680.1	4340.9	4762.0
40°	4230.8	4178.4	4072.7	3927.9	3805.3	3703.2	3656.1	3930.5	4673.1	5222.1
42.5°	4506.1	4456.4	4330.3	4206.8	4053.1	4023.8	3966.1	4223.7	5036.4	5727.5
45°	4802.8	4743.3	4590.5	4434.2	4337.4	4237.0	4266.3	4516.8	5392.6	6242.7
47.5°	5080.8	5014.2	4833.9	4659.8	4606.5	4416.4	4541.7	4839.2	5763.0	6765.0
50°	5231.0	5165.2	5015.1	4857.9	4816.1	4637.6	4840.1	5193.7	6151.2	7285.5
52.5°	5356.2	5285.1	5088.8	5001.8	4989.4	4878.3	5207.9	5598.7	6539.4	7745.6
55°	5489.4	5410.4	5159.9	5081.7	5138.6	5148.4	5644.0	6057.9	6949.7	8194.2
57.5°	5643.1	5542.7	5228.3	5149.2	5284.3	5464.6	6145.0	6534.0	7353.0	8609.9
60°	5787.9	5686.6	5359.8	5256.7	5441.5	5831.4	6719.7	7110.5	7809.6	8980.3
62.5°	5816.3	5732.8	5464.6	5463.7	5654.7	6259.6	7400.1	7692.3	8208.4	9346.3
65°	5324.2	5271.8	5112.8	5455.7	5960.2	6876.0	8157.8	8436.7	8715.6	9666.0
67.5°	4052.2	4059.3	4047.8	4709.6	5713.3	7761.6	9254.8	9233.5	9341.8	10024.9
70°	1852.9	1894.7	2166.5	3251.0	4577.2	7863.8	11068.6	10792.4	10127.9	10489.5
72.5°	1001.1	1033.0	1144.1	1574.9	2751.8	6991.5	12424.1	12620.4	11173.4	10802.1
75°	734.6	752.4	829.6	1001.1	1155.6	5196.3	11938.2	12945.5	11304.0	10072.9
77.5°	549.8	557.8	620.9	793.2	591.6	2739.4	9539.0	10721.3	9676.7	8275.9
80°	398.8	407.7	454.8	595.1	414.8	1002.0	6550.0	7525.3	6627.3	5275.4
82.5°	275.4	278.9	299.3	405.0	289.6	389.1	3716.5	4412.9	3699.6	1851.1
85°	166.1	170.5	179.4	236.3	164.3	184.8	1604.2	1659.3	1105.9	442.4
87.5°	68.4	72.8	79.9	99.5	64.8	51.5	264.7	332.2	207.0	129.7
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°
3030.7	0°	3030.7	3030.7	3030.7	3030.7	3030.7	3030.7	3030.7	3030.7	3030.7	3030.7
3039.6	2.5°	3035.2	3029.0	3012.1	2989.0	2967.7	2941.0	2929.5	2919.7	2910.8	2893.9
3063.6	5°	3053.8	3037.0	2991.7	2933.0	2866.4	2793.6	2722.5	2673.7	2631.9	2600.8
3091.1	7.5°	3082.3	3050.3	2967.7	2847.8	2695.0	2538.6	2397.4	2297.0	2221.5	2194.0
3130.2	10°	3111.6	3073.4	2929.5	2718.1	2454.3	2213.5	2026.1	1923.1	1862.7	1843.1
3176.4	12.5°	3146.2	3090.3	2870.0	2537.8	2185.1	1921.3	1757.9	1697.5	1666.4	1655.7
3233.3	15°	3196.8	3104.5	2780.3	2312.1	1928.4	1708.1	1602.4	1560.7	1544.7	1543.8
3291.9	17.5°	3235.0	3107.1	2640.8	2070.5	1731.2	1579.3	1492.3	1476.3	1486.9	1502.9
3349.6	20°	3277.7	3083.1	2457.8	1850.2	1592.6	1466.5	1430.1	1440.8	1466.5	1489.6
3426.0	22.5°	3307.9	3039.6	2236.6	1678.8	1472.7	1401.7	1399.9	1422.1	1436.3	1447.9
3515.7	25°	3334.5	2965.9	2002.1	1534.9	1374.1	1362.6	1382.1	1375.0	1365.3	1375.0
3605.4	27.5°	3354.1	2849.5	1792.5	1408.8	1304.9	1335.9	1324.4	1308.4	1307.5	1312.8
3711.1	30°	3347.8	2694.1	1620.2	1288.9	1256.0	1286.2	1258.7	1256.0	1253.3	1256.0
3870.1	32.5°	3347.8	2517.3	1487.8	1206.3	1224.9	1213.4	1210.7	1204.5	1193.8	1192.9
4086.0	35°	3366.5	2340.6	1374.1	1161.8	1199.2	1171.6	1173.4	1158.3	1136.1	1125.4
4372.0	37.5°	3404.7	2198.4	1261.3	1140.5	1153.8	1153.0	1145.9	1120.1	1081.0	1047.3
4729.1	40°	3497.1	2156.7	1184.0	1130.8	1132.5	1143.2	1124.5	1074.8	986.0	930.9
5091.5	42.5°	3641.9	2226.9	1167.2	1106.8	1118.3	1129.0	1092.6	977.1	914.0	881.2
5471.7	45°	3825.7	2349.4	1203.6	1072.1	1084.6	1103.2	994.9	939.8	911.4	912.2
5848.3	47.5°	4058.5	2478.2	1271.1	1041.9	1035.7	1046.4	930.0	896.3	857.2	866.9
6209.8	50°	4327.6	2608.8	1335.1	1001.1	981.5	946.9	888.3	856.3	806.5	783.4
6558.9	52.5°	4618.9	2735.0	1360.8	951.3	922.9	882.9	859.8	820.8	760.3	722.2
6888.5	55°	4895.2	2849.5	1332.4	891.8	864.3	833.2	829.6	805.7	740.8	687.5
7181.6	57.5°	5156.3	2945.5	1261.3	831.4	804.8	786.1	810.1	798.5	716.8	648.4
7458.7	60°	5377.5	3011.2	1158.3	770.1	751.5	741.7	778.1	774.6	683.1	606.7
7707.4	62.5°	5553.4	3037.0	1044.6	711.5	707.1	689.3	733.7	733.7	640.4	565.8
7925.9	65°	5691.1	3012.1	929.1	653.8	662.6	636.0	679.5	674.2	595.1	529.4
8177.3	67.5°	5812.8	2930.4	801.2	596.9	617.3	583.6	622.7	610.2	545.4	493.0
8394.9	70°	5867.0	2740.3	655.5	540.1	564.9	532.1	565.8	542.7	489.4	453.9
8156.0	72.5°	5431.7	2277.5	516.1	480.5	501.9	475.2	504.5	477.9	429.0	413.0
7043.0	75°	4493.7	1709.0	397.1	415.7	431.7	411.3	430.8	411.3	366.9	378.4
5202.5	77.5°	3263.5	1153.8	303.8	347.3	354.4	343.8	360.6	338.4	298.5	295.8
2592.8	80°	1622.8	676.0	238.1	274.5	271.8	264.7	284.2	273.6	239.8	254.0
699.9	82.5°	469.9	289.6	173.2	192.8	187.4	189.2	203.4	208.7	312.7	310.0
217.6	85°	147.5	113.7	103.9	107.5	102.1	104.8	119.9	238.1	220.3	128.8
67.5	87.5°	38.2	39.1	25.8	27.5	28.4	33.8	38.2	144.8	69.3	45.3
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°
3030.7
2886.0
2575.1
2146.0
1812.9
1658.4
1547.3
1509.2
1497.6
1454.1
1381.2
1321.7
1265.8
1204.5
1136.1
1058.8
938.0
881.2
916.7
891.8
789.7
721.3
687.5
644.9
604.0
563.2
525.8
489.4
446.8
399.7
345.5
282.5
251.4
317.1
139.5
48.0
0.0

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