

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: P953750

Luminaire Tested: **GALN-SB7A-950-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953750  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7A-950-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

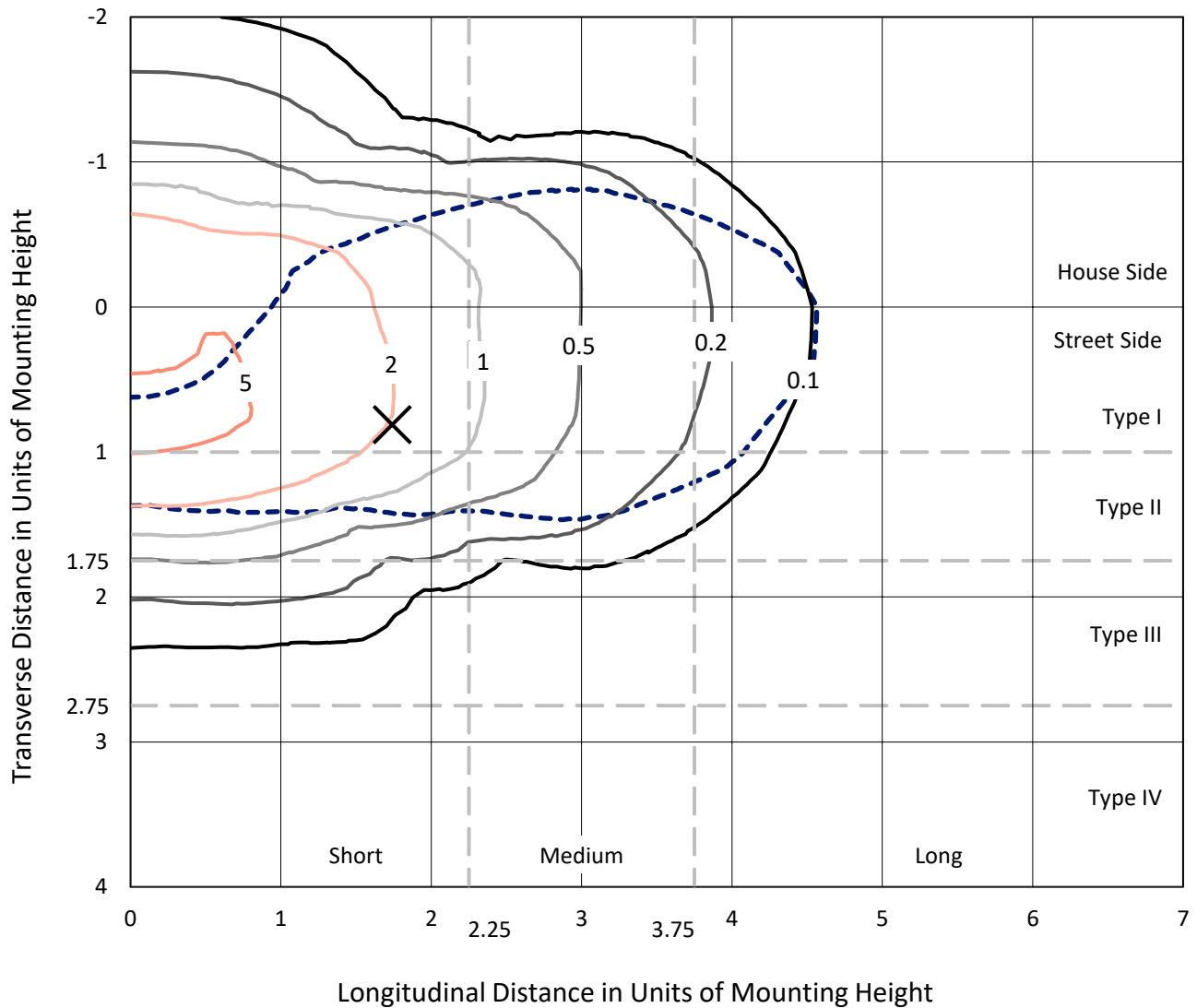
Lumens per Lamp: N/A  
Luminaire Lumens: 22490 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): 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

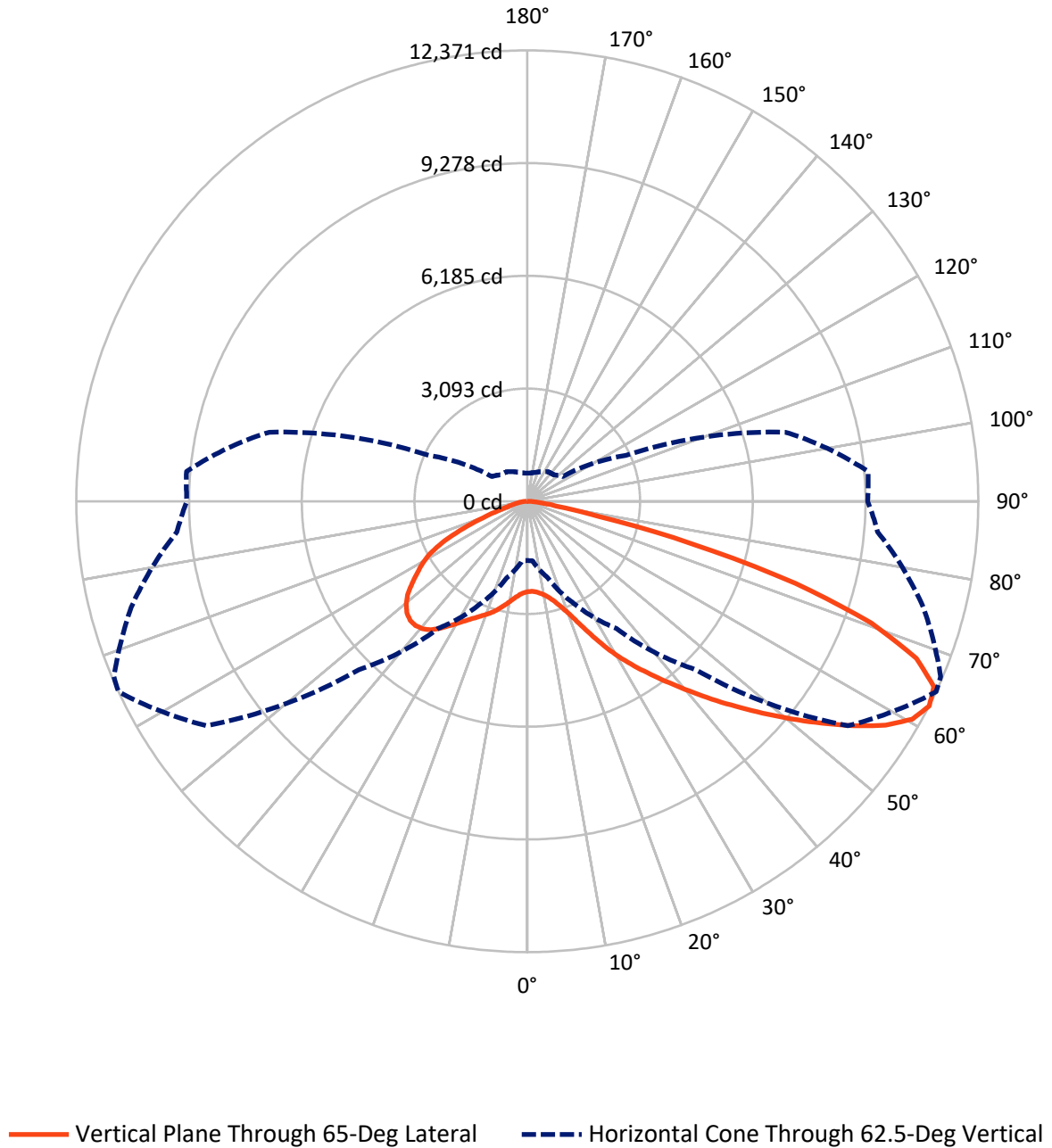
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type II - 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	7096.9	0.0	7096.9
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	15393.1	0.0	15393.1
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	22490.0	0.0	22490.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.1	1.1
10°-20°	837.9	3.7
20°-30°	1698.9	7.6
30°-40°	2939.9	13.1
40°-50°	4449.0	19.8
50°-60°	5216.2	23.2
60°-70°	4373.1	19.4
70°-80°	2414.3	10.7
80°-90°	313.6	1.4
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°	22490.0	100.0
0°-180°	22490.0	100.0



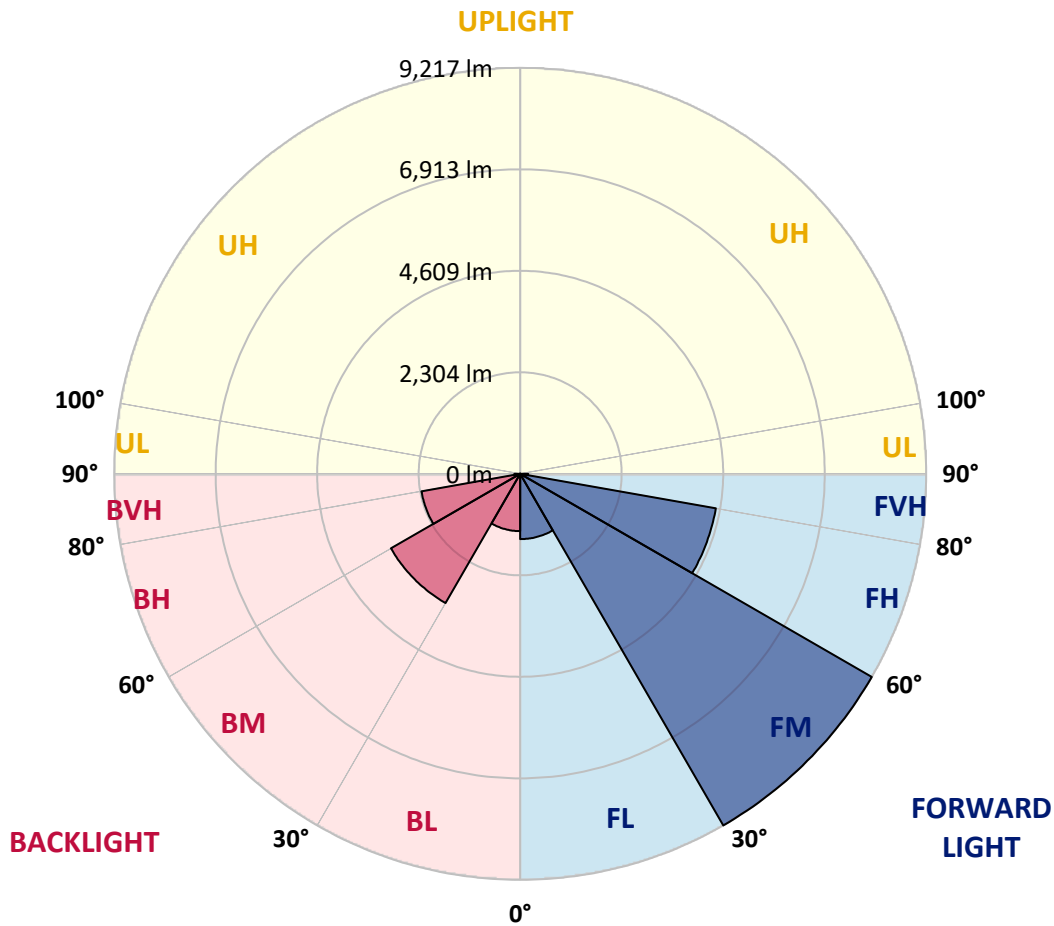
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1482.4	6.6			
FM (30°-60°)	9217.1	41.0			
FH (60°-80°)	4510.8	20.1			G2/5000
FVH (80°-90°)	182.8	0.8			G2/225
BL (0°-30°)	1301.5	5.8	B3/2500		
BM (30°-60°)	3387.9	15.1	B3/5000		
BH (60°-80°)	2276.6	10.1	B3/2500		G3/2500
BVH (80°-90°)	130.8	0.6			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 II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	2478.3	2478.3	2478.3	2478.3	2478.3	2478.3	2478.3	2478.3	2478.3	2478.3
2.5°	2462.0	2455.0	2460.8	2460.8	2463.1	2462.0	2470.1	2472.5	2476.0	2483.0
5°	2437.5	2436.3	2446.8	2456.1	2465.5	2473.6	2484.1	2499.3	2501.6	2509.8
7.5°	2429.3	2422.3	2438.6	2450.3	2472.5	2492.3	2520.3	2546.0	2556.5	2560.0
10°	2492.3	2480.6	2495.8	2502.8	2521.5	2541.3	2574.0	2614.8	2626.5	2640.5
12.5°	2599.6	2586.8	2609.0	2619.5	2637.0	2654.5	2676.7	2716.3	2722.2	2747.8
15°	2746.7	2731.5	2745.5	2758.3	2787.5	2803.8	2826.0	2864.5	2864.5	2884.3
17.5°	2946.2	2926.4	2936.9	2941.5	2960.2	2984.7	3022.0	3055.9	3073.4	3066.4
20°	3243.7	3219.2	3219.2	3195.9	3188.9	3208.7	3257.7	3304.4	3323.1	3286.9
22.5°	3690.6	3655.6	3635.8	3556.4	3524.9	3527.3	3576.3	3633.4	3648.6	3584.4
25°	4258.8	4204.0	4177.2	4060.5	3989.3	3927.5	3966.0	4039.5	4060.5	3981.1
27.5°	4827.1	4830.6	4804.9	4664.9	4547.1	4433.9	4414.0	4491.0	4513.2	4423.4
30°	5624.0	5541.2	5492.2	5324.1	5156.1	4997.4	4915.8	4947.3	4953.1	4845.8
32.5°	6311.3	6290.3	6185.2	6038.2	5822.4	5573.8	5437.3	5387.2	5377.8	5225.0
35°	7094.2	7082.5	6971.7	6796.7	6563.3	6217.9	5971.7	5828.2	5816.5	5601.8
37.5°	7890.0	7890.0	7781.4	7590.1	7348.6	6916.8	6542.3	6314.8	6277.4	5997.4
40°	8524.7	8486.2	8506.0	8425.5	8149.0	7690.4	7175.9	6845.7	6795.5	6459.4
42.5°	8885.2	8872.4	8991.4	9081.3	8968.1	8601.7	7873.6	7420.9	7350.9	6968.2
45°	8965.8	8951.8	9164.1	9493.2	9651.8	9501.3	8632.0	8026.5	7941.3	7500.2
47.5°	8780.2	8752.2	9063.8	9583.0	10091.7	10356.6	9453.5	8683.4	8559.7	8018.3
50°	8222.5	8195.7	8667.1	9356.6	10239.9	10937.7	10344.9	9380.0	9190.9	8573.7
52.5°	7010.2	7023.0	7761.6	8709.1	10045.1	11299.4	11112.7	10113.9	9886.4	9141.9
55°	5460.7	5488.7	6396.4	7439.6	9265.6	11244.5	11636.6	10870.0	10643.6	9676.3
57.5°	3910.0	4033.7	4884.3	5916.9	7768.6	10375.3	11750.9	11588.7	11369.4	10259.7
60°	2534.3	2556.5	3431.6	4472.4	5915.7	8830.4	11518.7	12133.6	11962.1	10854.8
62.5°	1624.2	1639.4	2172.6	3128.2	4257.7	6533.0	10737.0	12370.5	12318.0	11248.0
65°	1193.6	1182.0	1459.7	2067.6	2868.0	4029.0	9219.0	12256.2	12360.0	11494.2
67.5°	996.5	980.1	1116.6	1431.7	2113.1	2288.1	6821.2	11512.9	11893.3	11466.2
70°	907.8	893.8	976.6	1063.0	1648.7	1532.0	3438.6	10008.9	10594.6	11147.7
72.5°	768.9	744.4	857.6	943.9	1282.3	1175.0	1421.2	7688.1	8402.2	10126.7
75°	596.2	579.9	676.7	830.8	963.8	917.1	898.4	4668.4	5447.8	7831.6
77.5°	472.6	450.4	539.1	647.6	866.9	691.9	654.6	2010.4	2782.8	4999.8
80°	355.9	336.0	409.5	512.2	666.2	521.6	423.6	820.3	1049.0	2533.1
82.5°	253.2	235.7	285.9	375.7	448.1	467.9	260.2	459.7	516.9	976.6
85°	162.2	151.7	191.4	235.7	284.7	301.0	158.7	240.4	263.7	402.5
87.5°	88.7	72.3	102.7	109.7	131.8	120.2	75.8	87.5	94.5	145.9
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°
2478.3	0°	2478.3	2478.3	2478.3	2478.3	2478.3	2478.3	2478.3	2478.3	2478.3	2478.3
2483.0	2.5°	2487.6	2491.1	2502.8	2506.3	2514.5	2525.0	2532.0	2539.0	2539.0	2546.0
2520.3	5°	2521.5	2529.6	2554.1	2567.0	2588.0	2609.0	2621.8	2637.0	2646.3	2651.0
2579.8	7.5°	2586.8	2599.6	2634.7	2656.8	2693.0	2722.2	2742.0	2763.0	2767.7	2780.5
2662.7	10°	2675.5	2690.7	2730.3	2772.3	2815.5	2851.7	2870.3	2885.5	2891.4	2893.7
2768.8	12.5°	2777.0	2799.2	2850.5	2901.9	2947.4	2978.9	2983.5	2980.0	2963.7	2949.7
2899.5	15°	2901.9	2921.7	2978.9	3034.9	3079.2	3085.0	3055.9	3037.2	3017.4	3013.9
3045.4	17.5°	3051.2	3061.7	3114.2	3169.1	3172.6	3152.7	3109.5	3092.0	3073.4	3060.5
3235.6	20°	3225.1	3221.6	3258.9	3282.2	3257.7	3197.1	3131.7	3102.5	3083.9	3068.7
3468.9	22.5°	3432.7	3405.9	3401.2	3395.4	3330.1	3202.9	3114.2	3076.9	3047.7	3026.7
3794.5	25°	3735.0	3632.3	3561.1	3521.4	3374.4	3171.4	3058.2	2975.4	2920.5	2884.3
4192.3	27.5°	4113.0	3940.3	3760.6	3663.8	3374.4	3107.2	2922.9	2788.7	2698.8	2661.5
4577.4	30°	4473.5	4292.7	4027.8	3835.3	3366.2	3002.2	2704.7	2518.0	2413.0	2375.6
4906.4	32.5°	4781.6	4584.4	4311.4	4023.2	3346.4	2831.8	2434.0	2227.4	2125.9	2081.6
5232.0	35°	5067.4	4857.4	4596.1	4229.7	3293.9	2582.1	2136.4	1978.9	1865.7	1794.6
5563.3	37.5°	5360.3	5110.6	4865.6	4416.4	3199.4	2290.4	1907.7	1773.5	1640.5	1544.9
5915.7	40°	5678.9	5380.2	5153.8	4527.2	3044.2	2012.7	1730.4	1607.9	1466.7	1365.2
6321.8	42.5°	6051.1	5703.4	5474.7	4584.4	2831.8	1815.6	1614.9	1494.7	1361.7	1278.8
6757.0	45°	6439.6	6059.2	5767.5	4583.2	2595.0	1723.4	1577.5	1458.5	1311.5	1225.1
7203.9	47.5°	6846.8	6431.4	6020.7	4508.5	2389.6	1736.2	1556.5	1380.3	1218.1	1134.1
7655.4	50°	7255.2	6838.7	6265.8	4368.5	2302.1	1708.2	1478.3	1270.7	1079.3	1003.5
8079.0	52.5°	7660.1	7271.5	6477.0	4169.0	2213.4	1604.4	1378.0	1128.3	1022.1	969.6
8516.5	55°	8067.3	7699.8	6706.8	3878.5	1991.7	1483.0	1210.0	1074.6	976.6	928.8
8944.8	57.5°	8475.7	8194.5	6925.0	3587.9	1712.9	1333.7	1117.8	1009.3	931.1	890.3
9303.0	60°	8900.4	8760.4	7150.2	3320.7	1437.5	1142.3	1050.1	956.8	877.4	831.9
9647.2	62.5°	9338.0	9383.5	7326.4	2976.5	1184.3	1025.6	989.5	893.8	816.8	773.6
9931.9	65°	9779.0	9984.4	7441.9	2499.3	960.3	914.8	924.1	824.9	746.8	709.4
10140.7	67.5°	10111.6	10417.3	7409.2	1891.4	787.6	809.8	842.4	752.6	679.1	649.9
10106.9	70°	10148.9	10365.9	7087.2	1295.2	659.2	707.1	751.4	681.4	605.6	584.6
9630.8	72.5°	9651.8	9665.8	6189.9	845.9	557.7	620.7	655.7	609.1	535.6	514.6
8425.5	75°	8348.5	7993.8	4544.7	557.7	466.7	533.2	565.9	533.2	462.1	466.7
6304.3	77.5°	6325.3	5661.4	2759.5	396.7	389.7	448.1	492.4	469.1	408.4	458.6
3170.2	80°	3258.9	3062.9	1231.0	296.4	308.0	358.2	404.9	374.5	323.2	308.0
708.3	82.5°	746.8	868.1	485.4	212.4	222.9	257.9	309.2	281.2	232.2	196.0
295.2	85°	261.4	285.9	214.7	133.0	130.7	161.0	210.0	187.9	157.5	126.0
124.8	87.5°	82.8	108.5	80.5	53.7	56.0	72.3	96.8	88.7	73.5	47.8
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>
2478.3
2546.0
2653.3
2775.8
2887.9
2949.7
3013.9
3061.7
3069.9
3033.7
2898.4
2680.2
2397.8
2103.8
1817.9
1570.5
1385.0
1295.2
1239.2
1145.8
1008.1
969.6
924.1
883.3
828.4
772.4
708.3
651.1
585.7
513.4
450.4
403.7
281.2
193.7
133.0
50.2
0.0

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