

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: P952595

Luminaire Tested: **GALN-SB6B-927-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952595  
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-SB6B-927-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

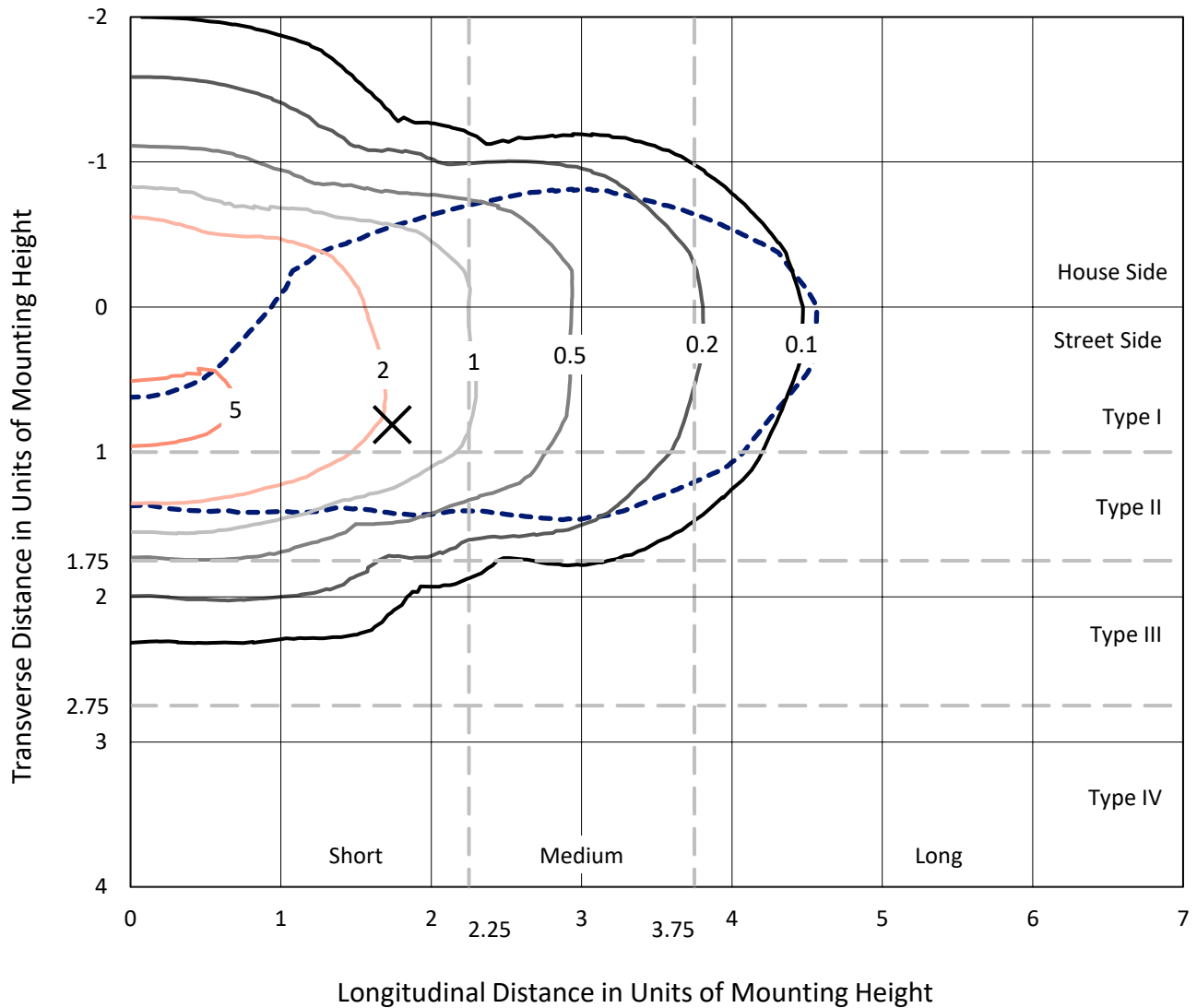
Lumens per Lamp: N/A  
Luminaire Lumens: 21064 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

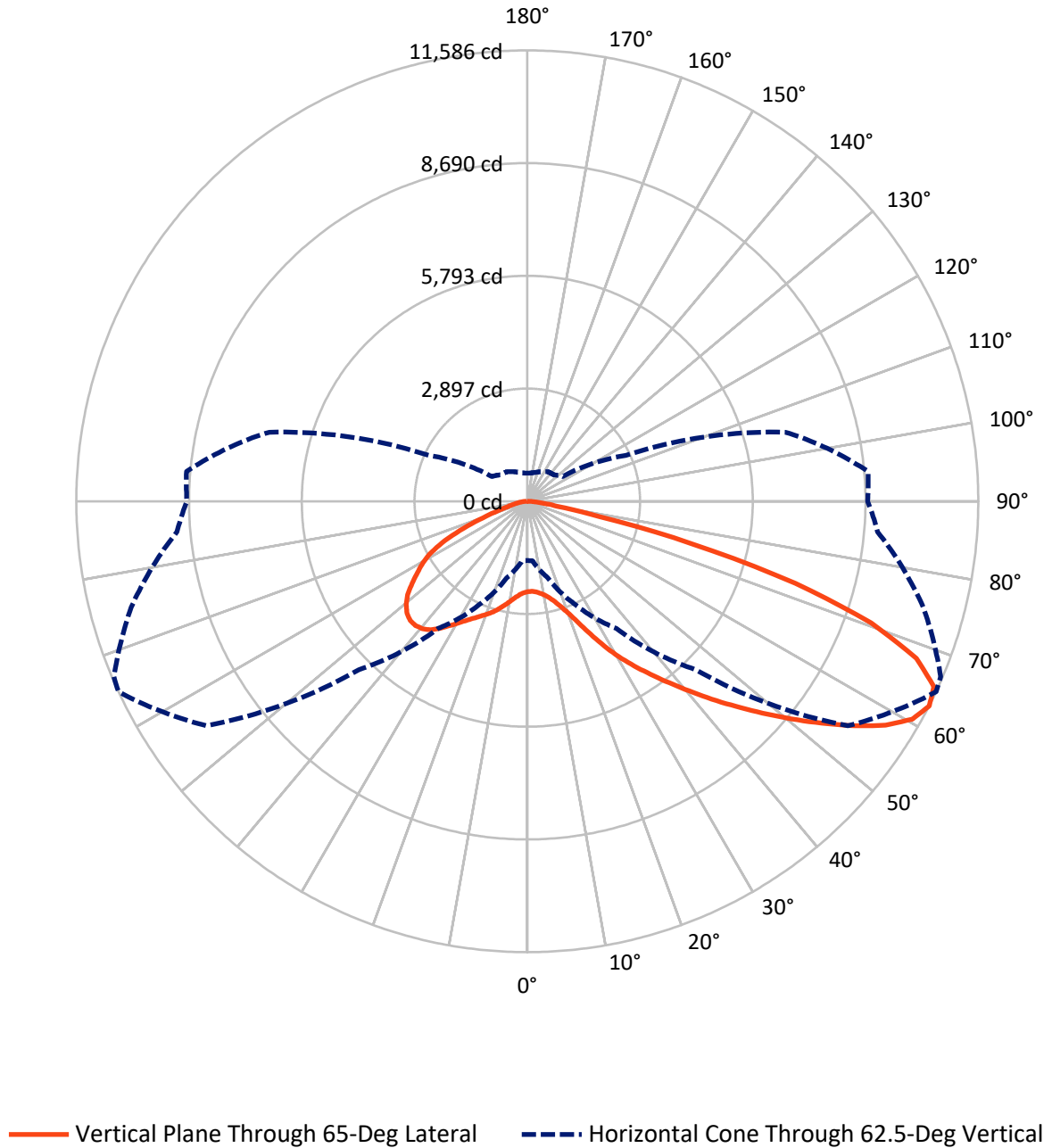
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	6646.9	0.0	6646.9
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	14417.1	0.0	14417.1
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	21064.0	0.0	21064.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.4	1.1
10°-20°	784.8	3.7
20°-30°	1591.2	7.6
30°-40°	2753.5	13.1
40°-50°	4166.9	19.8
50°-60°	4885.4	23.2
60°-70°	4095.8	19.4
70°-80°	2261.2	10.7
80°-90°	293.7	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°	21064.0	100.0
0°-180°	21064.0	100.0



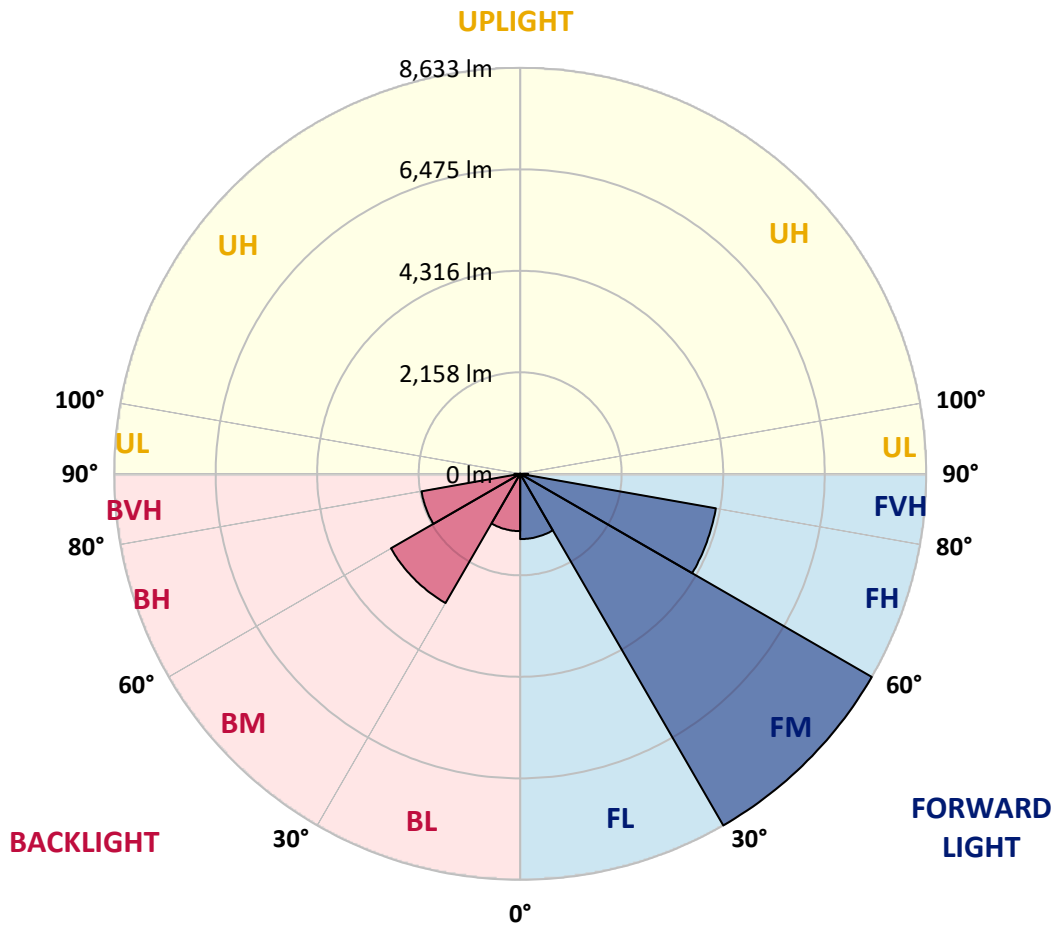
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1388.4	6.6			
FM (30°-60°)	8632.7	41.0			
FH (60°-80°)	4224.8	20.1			G2/5000
FVH (80°-90°)	171.2	0.8			G2/225
BL (0°-30°)	1219.0	5.8	B3/2500		
BM (30°-60°)	3173.1	15.1	B3/5000		
BH (60°-80°)	2132.3	10.1	B3/2500		G3/2500
BVH (80°-90°)	122.5	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°	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2
2.5°	2305.9	2299.3	2304.8	2304.8	2307.0	2305.9	2313.5	2315.7	2319.0	2325.5
5°	2282.9	2281.8	2291.7	2300.4	2309.1	2316.8	2326.6	2340.8	2343.0	2350.7
7.5°	2275.3	2268.7	2284.0	2294.9	2315.7	2334.3	2360.5	2384.5	2394.4	2397.7
10°	2334.3	2323.3	2337.6	2344.1	2361.6	2380.2	2410.8	2449.0	2460.0	2473.1
12.5°	2434.8	2422.8	2443.6	2453.4	2469.8	2486.2	2506.9	2544.1	2549.6	2573.6
15°	2572.5	2558.3	2571.4	2583.4	2610.8	2626.1	2646.8	2682.9	2682.9	2701.5
17.5°	2759.4	2740.8	2750.6	2755.0	2772.5	2795.4	2830.4	2862.1	2878.5	2871.9
20°	3038.1	3015.1	3015.1	2993.2	2986.7	3005.3	3051.2	3094.9	3112.4	3078.5
22.5°	3456.6	3423.8	3405.2	3330.9	3301.4	3303.6	3349.5	3403.1	3417.3	3357.2
25°	3988.8	3937.5	3912.3	3803.0	3736.4	3678.5	3714.5	3783.4	3803.0	3728.7
27.5°	4521.0	4524.3	4500.3	4369.1	4258.7	4152.7	4134.2	4206.3	4227.0	4142.9
30°	5267.4	5189.8	5143.9	4986.6	4829.2	4680.6	4604.1	4633.6	4639.0	4538.5
32.5°	5911.1	5891.4	5793.1	5655.4	5453.2	5220.4	5092.6	5045.6	5036.8	4893.7
35°	6644.4	6633.5	6529.6	6365.7	6147.1	5823.7	5593.1	5458.7	5447.7	5246.7
37.5°	7389.7	7389.7	7288.1	7108.8	6882.6	6478.3	6127.5	5914.4	5879.4	5617.1
40°	7984.2	7948.1	7966.7	7891.3	7632.3	7202.8	6720.9	6411.6	6364.6	6049.9
42.5°	8321.9	8309.8	8421.3	8505.5	8399.5	8056.3	7374.4	6950.4	6884.8	6526.4
45°	8397.3	8384.2	8583.1	8891.2	9039.9	8898.9	8084.7	7517.5	7437.8	7024.7
47.5°	8223.5	8197.3	8489.1	8975.4	9451.8	9699.9	8854.1	8132.8	8017.0	7509.9
50°	7701.1	7676.0	8117.5	8763.4	9590.6	10244.1	9689.0	8785.2	8608.2	8030.1
52.5°	6565.7	6577.7	7269.5	8156.8	9408.1	10582.9	10408.1	9472.6	9259.5	8562.3
55°	5114.4	5140.7	5990.9	6967.9	8678.1	10531.6	10898.7	10180.8	9968.8	9062.8
57.5°	3662.1	3777.9	4574.6	5541.7	7276.0	9717.4	11005.8	10853.9	10648.5	9609.2
60°	2373.6	2394.4	3214.0	4188.8	5540.6	8270.5	10788.4	11364.3	11203.6	10166.6
62.5°	1521.2	1535.4	2034.8	2929.9	3987.7	6118.7	10056.2	11586.1	11537.0	10534.8
65°	1118.0	1107.0	1367.1	1936.5	2686.2	3773.5	8634.4	11479.0	11576.3	10765.4
67.5°	933.3	918.0	1045.8	1340.9	1979.1	2143.0	6388.7	10782.9	11139.2	10739.2
70°	850.2	837.1	914.7	995.6	1544.2	1434.9	3220.6	9374.3	9922.9	10440.9
72.5°	720.2	697.2	803.2	884.1	1201.0	1100.5	1331.1	7200.6	7869.4	9484.6
75°	558.4	543.1	633.8	778.1	902.7	859.0	841.5	4372.4	5102.4	7335.0
77.5°	442.6	421.8	504.9	606.5	812.0	648.0	613.1	1882.9	2606.4	4682.8
80°	333.3	314.7	383.6	479.8	624.0	488.5	396.7	768.3	982.5	2372.5
82.5°	237.1	220.8	267.7	351.9	419.6	438.2	243.7	430.6	484.1	914.7
85°	151.9	142.1	179.2	220.8	266.6	281.9	148.6	225.1	247.0	377.0
87.5°	83.1	67.8	96.2	102.7	123.5	112.6	71.0	82.0	88.5	136.6
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°
2321.2	0°	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2
2325.5	2.5°	2329.9	2333.2	2344.1	2347.4	2355.0	2364.9	2371.4	2378.0	2378.0	2384.5
2360.5	5°	2361.6	2369.2	2392.2	2404.2	2423.9	2443.6	2455.6	2469.8	2478.5	2482.9
2416.2	7.5°	2422.8	2434.8	2467.6	2488.4	2522.2	2549.6	2568.1	2587.8	2592.2	2604.2
2493.8	10°	2505.8	2520.1	2557.2	2596.6	2637.0	2670.9	2688.4	2702.6	2708.0	2710.2
2593.3	12.5°	2600.9	2621.7	2669.8	2717.9	2760.5	2790.0	2794.4	2791.1	2775.8	2762.7
2715.7	15°	2717.9	2736.4	2790.0	2842.4	2884.0	2889.4	2862.1	2844.6	2826.0	2822.8
2852.3	17.5°	2857.7	2867.6	2916.8	2968.1	2971.4	2952.8	2912.4	2896.0	2878.5	2866.5
3030.4	20°	3020.6	3017.3	3052.3	3074.1	3051.2	2994.3	2933.1	2905.8	2888.3	2874.1
3249.0	22.5°	3215.1	3190.0	3185.6	3180.1	3118.9	2999.8	2916.8	2881.8	2854.5	2834.8
3553.9	25°	3498.1	3402.0	3335.3	3298.1	3160.5	2970.3	2864.3	2786.7	2735.3	2701.5
3926.5	27.5°	3852.2	3690.5	3522.2	3431.5	3160.5	2910.2	2737.5	2611.9	2527.7	2492.7
4287.2	30°	4189.9	4020.5	3772.4	3592.1	3152.8	2811.8	2533.2	2358.3	2260.0	2225.0
4595.3	32.5°	4478.4	4293.7	4038.0	3768.1	3134.2	2652.3	2279.6	2086.2	1991.1	1949.6
4900.2	35°	4746.1	4549.4	4304.6	3961.5	3085.0	2418.4	2001.0	1853.4	1747.4	1680.8
5210.6	37.5°	5020.4	4786.6	4557.1	4136.3	2996.5	2145.2	1786.8	1661.1	1536.5	1446.9
5540.6	40°	5318.8	5039.0	4827.0	4240.2	2851.2	1885.1	1620.7	1505.9	1373.7	1278.6
5920.9	42.5°	5667.4	5341.7	5127.5	4293.7	2652.3	1700.4	1512.5	1399.9	1275.3	1197.7
6328.6	45°	6031.3	5675.0	5401.8	4292.6	2430.4	1614.1	1477.5	1366.0	1228.3	1147.5
6747.1	47.5°	6412.7	6023.7	5639.0	4222.7	2238.1	1626.1	1457.8	1292.8	1140.9	1062.2
7170.0	50°	6795.2	6405.1	5868.5	4091.5	2156.1	1599.9	1384.6	1190.1	1010.9	939.8
7566.7	52.5°	7174.4	6810.5	6066.3	3904.7	2073.1	1502.6	1290.6	1056.8	957.3	908.1
7976.5	55°	7555.8	7211.6	6281.6	3632.6	1865.5	1389.0	1133.3	1006.5	914.7	869.9
8377.6	57.5°	7938.3	7674.9	6485.9	3360.4	1604.3	1249.1	1046.9	945.3	872.1	833.8
8713.1	60°	8336.1	8204.9	6696.8	3110.2	1346.4	1069.9	983.5	896.1	821.8	779.2
9035.5	62.5°	8745.9	8788.5	6861.9	2787.8	1109.2	960.6	926.7	837.1	765.0	724.5
9302.1	65°	9159.0	9351.3	6970.0	2340.8	899.4	856.8	865.5	772.6	699.4	664.4
9497.7	67.5°	9470.4	9756.7	6939.4	1771.5	737.7	758.4	789.0	704.9	636.0	608.7
9466.1	70°	9505.4	9708.7	6637.8	1213.0	617.4	662.3	703.8	638.2	567.2	547.5
9020.2	72.5°	9039.9	9053.0	5797.4	792.3	522.4	581.4	614.2	570.5	501.6	481.9
7891.3	75°	7819.2	7486.9	4256.6	522.4	437.1	499.4	530.0	499.4	432.8	437.1
5904.5	77.5°	5924.2	5302.4	2584.5	371.6	365.0	419.6	461.2	439.3	382.5	429.5
2969.2	80°	3052.3	2868.7	1152.9	277.6	288.5	335.5	379.2	350.8	302.7	288.5
663.3	82.5°	699.4	813.1	454.6	198.9	208.7	241.5	289.6	263.4	217.5	183.6
276.5	85°	244.8	267.7	201.1	124.6	122.4	150.8	196.7	175.9	147.5	118.0
116.9	87.5°	77.6	101.6	75.4	50.3	52.5	67.8	90.7	83.1	68.8	44.8
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>
2321.2
2384.5
2485.1
2599.8
2704.7
2762.7
2822.8
2867.6
2875.2
2841.3
2714.6
2510.2
2245.8
1970.4
1702.6
1470.9
1297.2
1213.0
1160.6
1073.2
944.2
908.1
865.5
827.3
775.9
723.5
663.3
609.8
548.6
480.8
421.8
378.1
263.4
181.4
124.6
47.0
0.0

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