

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: STREETWORKS

Report Number: P849903

Luminaire Tested: **GLAN-SB7A-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21334 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

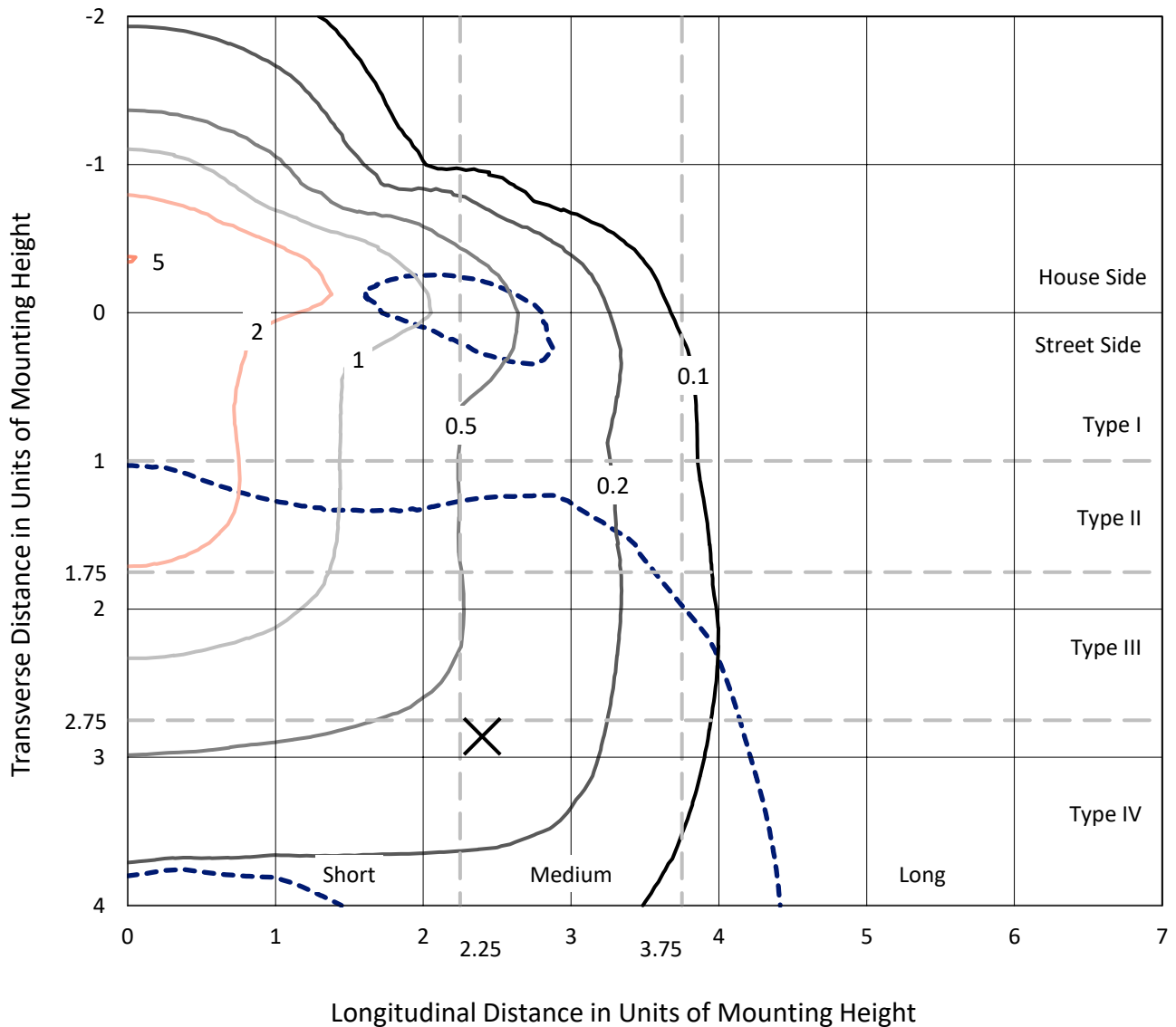
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

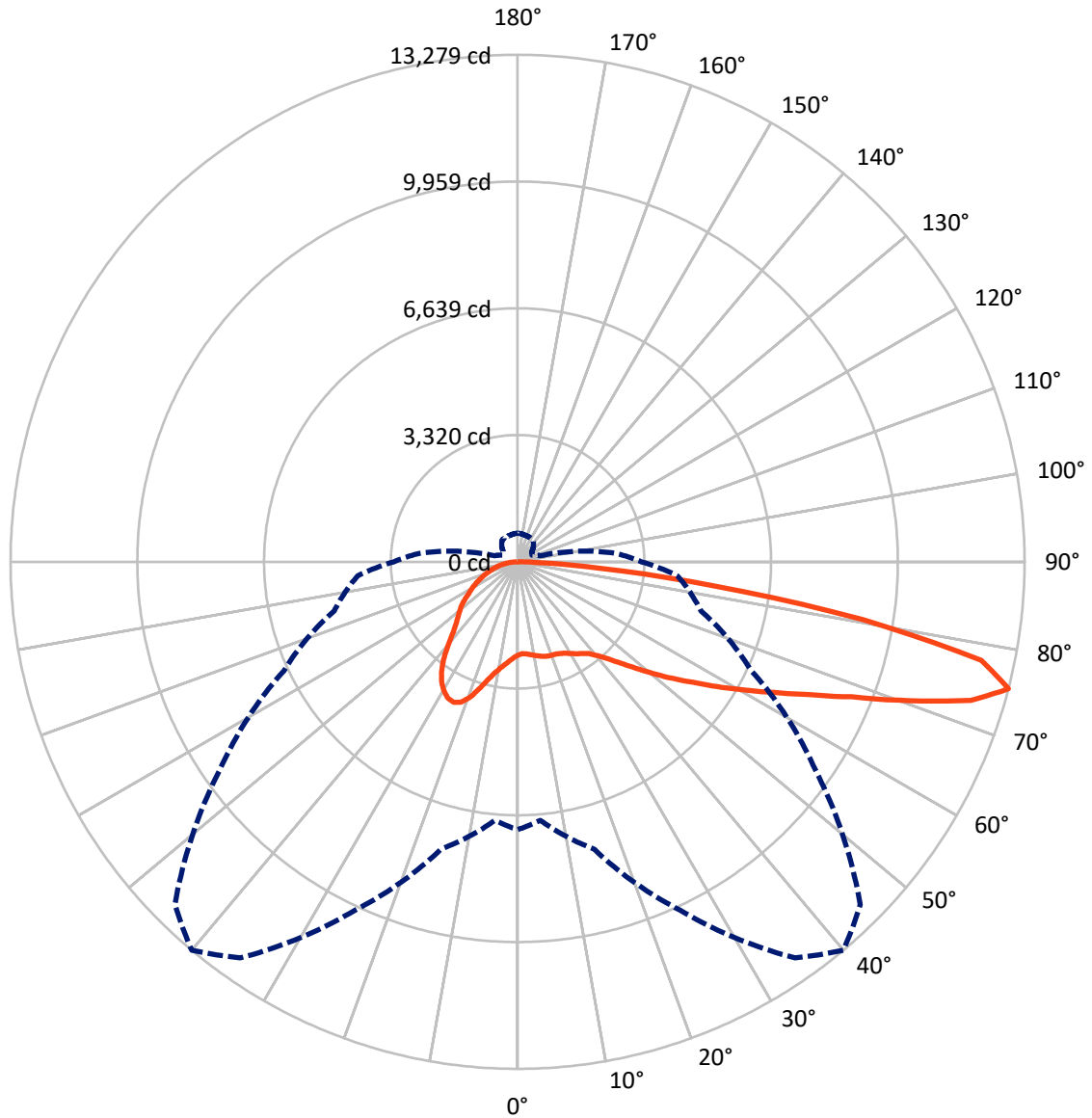
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6610.0	0.0	6610.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	14724.0	0.0	14724.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	21334.0	0.0	21334.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.5	1.1
10°-20°	817.6	3.8
20°-30°	1492.9	7.0
30°-40°	2117.3	9.9
40°-50°	2859.0	13.4
50°-60°	3846.1	18.0
60°-70°	4881.6	22.9
70°-80°	4430.3	20.8
80°-90°	645.8	3.0
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°	21334.0	100.0
0°-180°	21334.0	100.0

Coefficient of Utilization

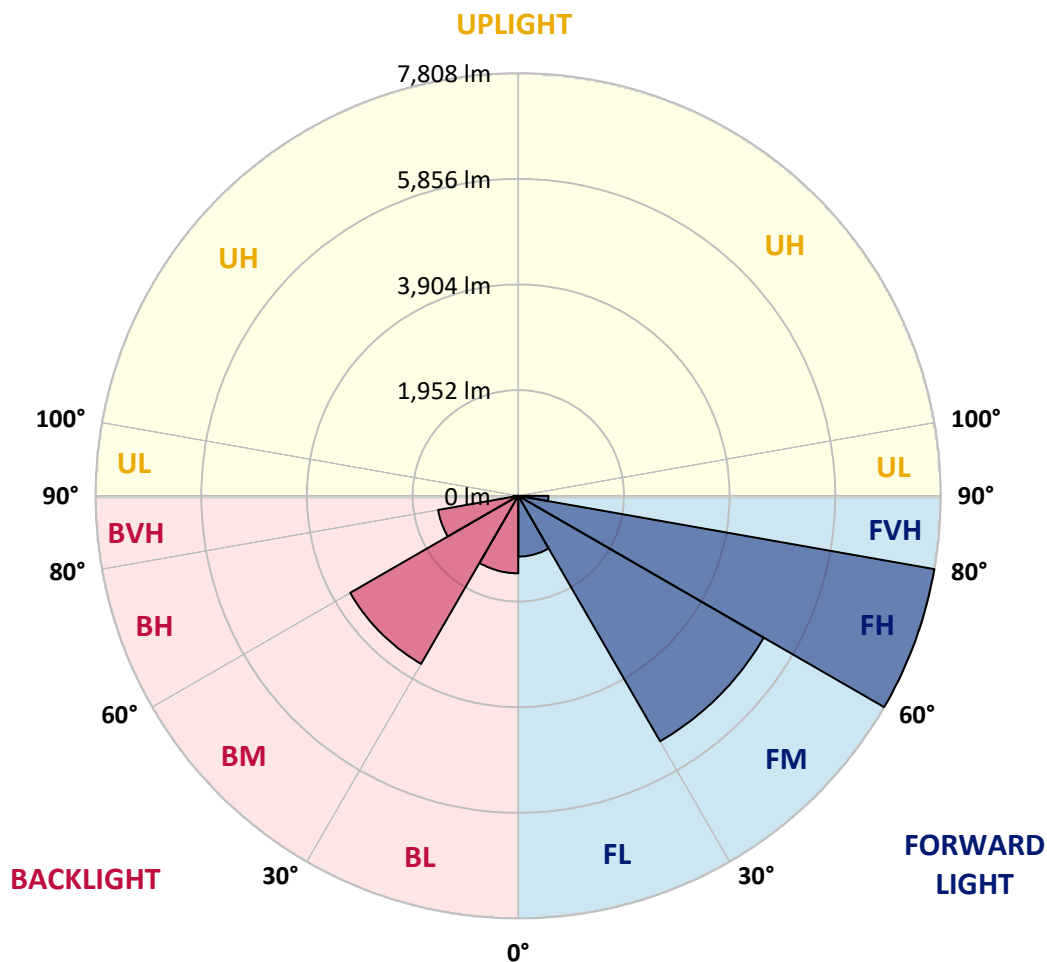


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1122.2	5.3			
FM (30°-60°)	5237.0	24.5			
FH (60°-80°)	7807.9	36.6			G4/12000
FVH (80°-90°)	556.9	2.6			G4/750
BL (0°-30°)	1431.8	6.7	B3/2500		
BM (30°-60°)	3585.3	16.8	B3/5000		
BH (60°-80°)	1504.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	88.9	0.4			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2439.6	2439.6	2439.6	2439.6	2439.6	2439.6	2439.6	2439.6	2439.6	2439.6
2.5°	2402.2	2415.8	2412.4	2407.9	2407.9	2409.0	2407.9	2415.8	2423.7	2431.7
5°	2427.1	2440.7	2433.9	2428.3	2423.7	2422.6	2419.2	2418.1	2422.6	2432.8
7.5°	2475.8	2489.4	2479.2	2469.0	2459.9	2455.4	2450.9	2444.1	2440.7	2446.4
10°	2530.1	2543.7	2531.2	2513.1	2498.4	2492.8	2488.2	2481.4	2476.9	2480.3
12.5°	2584.4	2598.0	2581.0	2556.1	2536.9	2533.5	2527.8	2525.6	2524.4	2523.3
15°	2635.3	2646.6	2625.1	2595.7	2575.4	2569.7	2564.0	2567.4	2573.1	2579.9
17.5°	2674.9	2686.2	2654.6	2616.1	2596.9	2594.6	2591.2	2602.5	2618.4	2635.3
20°	2711.1	2722.5	2681.7	2629.7	2607.0	2607.0	2608.2	2631.9	2654.6	2679.5
22.5°	2762.1	2771.1	2721.3	2650.0	2617.2	2619.5	2628.5	2652.3	2680.6	2714.5
25°	2837.9	2844.7	2783.6	2688.5	2651.2	2658.0	2665.9	2677.2	2704.3	2744.0
27.5°	2960.1	2965.7	2885.4	2756.4	2699.8	2711.1	2722.5	2714.5	2727.0	2760.9
30°	3132.1	3135.5	3033.6	2862.8	2782.4	2788.1	2790.3	2757.5	2733.8	2760.9
32.5°	3335.7	3334.6	3213.5	2991.8	2876.3	2870.7	2851.4	2786.9	2731.5	2755.3
35°	3651.4	3639.0	3482.8	3172.8	2982.7	2947.6	2902.4	2819.8	2742.8	2749.6
37.5°	4174.2	4135.7	3919.6	3469.3	3141.1	3051.7	2985.0	2872.9	2767.7	2747.3
40°	4763.7	4715.1	4477.5	3875.5	3378.7	3235.0	3127.5	2948.8	2808.4	2757.5
42.5°	5463.0	5394.0	5138.3	4354.1	3679.7	3471.5	3309.7	3044.9	2868.4	2790.3
45°	6321.8	6230.2	5868.1	4893.9	4058.8	3781.6	3565.4	3190.9	2960.1	2853.7
47.5°	7189.7	7212.4	6697.5	5511.7	4513.7	4164.0	3885.7	3410.4	3093.6	2955.5
50°	8111.9	8127.8	7522.4	6196.2	5029.6	4596.3	4245.5	3656.0	3279.2	3100.4
52.5°	8831.6	8833.8	8271.5	6912.5	5567.1	5071.5	4633.6	3936.6	3494.2	3292.7
55°	9281.9	9276.3	8796.5	7590.3	6184.9	5570.5	5063.6	4255.7	3756.7	3519.0
57.5°	9608.9	9592.0	9158.6	8173.0	6843.5	6160.0	5550.1	4617.8	4066.7	3788.4
60°	9733.4	9723.2	9404.1	8676.5	7536.0	6811.8	6111.4	5022.8	4418.6	4106.3
62.5°	9780.9	9800.2	9645.1	9164.2	8277.1	7533.7	6728.1	5507.1	4814.6	4466.1
65°	9948.4	9983.5	9951.8	9802.4	9114.4	8379.0	7546.2	6083.1	5246.9	4852.0
67.5°	10279.9	10315.0	10328.6	10566.2	10137.3	9432.4	8566.8	6800.5	5752.7	5252.5
70°	10272.0	10261.8	10501.7	11173.8	11418.2	10890.9	9942.7	7683.1	6355.8	5585.2
72.5°	9349.8	9268.3	9835.2	11167.0	12484.1	12414.0	11623.0	8821.4	6876.3	5626.0
75°	7014.3	6797.1	7798.5	10063.8	12661.8	13278.5	12691.2	9527.5	6753.0	4970.8
77.5°	2999.7	2781.3	3961.5	7450.0	11332.2	12412.8	11711.3	8312.2	5390.6	3287.1
80°	785.3	784.1	1197.2	3377.6	7706.8	9166.5	8041.8	5368.0	3080.0	1174.5
82.5°	324.7	316.8	440.2	1313.7	3765.7	5143.9	4198.0	2394.3	1112.3	318.0
85°	121.1	119.9	213.9	453.7	1328.4	2121.6	1535.5	612.2	277.2	155.0
87.5°	33.9	32.8	46.4	157.3	323.6	491.1	262.5	100.7	78.1	61.1
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°
2439.6	0°	2439.6	2439.6	2439.6	2439.6	2439.6	2439.6	2439.6	2439.6	2439.6	2439.6
2444.1	2.5°	2447.5	2453.1	2463.3	2471.3	2481.4	2492.8	2508.6	2518.8	2529.0	2535.8
2449.8	5°	2457.7	2470.1	2496.1	2522.2	2552.7	2581.0	2613.8	2637.6	2656.8	2662.5
2470.1	7.5°	2480.3	2500.7	2544.8	2588.9	2637.6	2684.0	2731.5	2772.2	2805.1	2817.5
2506.3	10°	2519.9	2547.1	2609.3	2671.5	2736.0	2807.3	2868.4	2927.3	2973.7	2992.9
2549.3	12.5°	2569.7	2603.6	2685.1	2771.1	2860.5	2958.9	3038.1	3110.6	3168.3	3194.3
2609.3	15°	2634.2	2678.3	2782.4	2897.8	3029.1	3166.0	3266.7	3347.1	3411.6	3443.2
2671.5	17.5°	2704.3	2763.2	2894.4	3068.7	3256.5	3436.4	3554.1	3613.0	3679.7	3710.3
2729.2	20°	2772.2	2844.7	3032.5	3286.0	3536.0	3727.2	3822.3	3838.1	3842.7	3846.1
2783.6	22.5°	2842.4	2939.7	3205.6	3559.8	3828.0	3960.3	3973.9	3906.0	3811.0	3766.9
2836.7	25°	2919.3	3048.3	3431.9	3861.9	4079.2	4095.0	3990.9	3825.7	3645.8	3563.2
2879.7	27.5°	2994.0	3173.9	3703.5	4150.4	4260.2	4121.0	3897.0	3662.8	3445.5	3358.4
2910.3	30°	3068.7	3317.6	4003.3	4402.8	4342.8	4056.5	3748.7	3487.4	3269.0	3177.3
2937.4	32.5°	3144.5	3485.1	4348.5	4584.9	4328.1	3919.6	3564.3	3290.5	3098.1	3001.9
2961.2	35°	3230.5	3691.0	4675.5	4684.5	4229.6	3718.2	3321.0	3055.1	2887.7	2810.7
2989.5	37.5°	3342.5	3952.4	4964.0	4709.4	4057.7	3422.9	3018.9	2776.8	2638.7	2603.6
3031.4	40°	3481.7	4267.0	5184.7	4669.8	3803.1	3064.2	2688.5	2495.0	2416.9	2424.9
3087.9	42.5°	3662.8	4618.9	5339.7	4568.0	3448.9	2694.2	2398.8	2312.8	2350.2	2381.9
3172.8	45°	3898.1	4984.4	5435.9	4394.8	3048.3	2380.7	2228.0	2248.3	2276.6	2280.0
3309.7	47.5°	4199.1	5354.4	5499.2	4133.5	2639.9	2160.1	2119.3	2123.9	2118.2	2094.5
3514.5	50°	4574.8	5714.2	5555.8	3787.2	2292.5	2022.0	1967.7	1951.9	1873.8	1796.9
3787.2	52.5°	5002.5	6044.6	5579.6	3357.2	2022.0	1906.6	1818.4	1718.8	1572.8	1549.1
4130.1	55°	5477.7	6350.1	5518.5	2828.8	1794.6	1758.4	1624.9	1504.9	1489.1	1468.7
4581.6	57.5°	6045.7	6679.4	5394.0	2239.3	1561.5	1585.3	1455.1	1468.7	1440.4	1408.8
5162.0	60°	6667.0	7020.0	5175.6	1701.8	1320.5	1369.1	1411.0	1409.9	1402.0	1375.9
5774.2	62.5°	7225.9	7244.0	4745.6	1303.5	1108.9	1201.7	1316.0	1314.8	1308.0	1293.3
6413.5	65°	7558.6	7210.1	4028.2	1026.3	934.6	1063.6	1187.0	1196.0	1197.2	1196.0
6894.4	67.5°	7499.8	6812.9	3043.8	817.0	790.9	923.3	1059.1	1071.6	1080.6	1082.9
6955.5	70°	6834.4	5940.5	1984.7	651.8	663.1	800.0	938.0	950.5	958.4	967.5
6035.6	72.5°	5327.2	4367.7	1136.1	527.3	551.1	693.6	818.1	832.8	837.3	854.3
4200.2	75°	3246.3	2568.6	613.3	415.3	452.6	592.9	699.3	716.3	724.2	744.5
2062.8	77.5°	1543.4	1112.3	349.6	323.6	364.4	484.3	590.7	609.9	588.4	599.7
569.2	80°	521.6	413.0	220.6	246.7	278.4	377.9	473.0	492.2	447.0	444.7
189.0	82.5°	182.2	167.5	140.3	164.1	179.9	270.4	357.6	382.5	332.7	331.5
84.9	85°	71.3	67.9	78.1	89.4	107.5	166.3	235.4	247.8	204.8	165.2
24.9	87.5°	14.7	15.8	19.2	20.4	32.8	57.7	84.9	104.1	82.6	70.2
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>
2439.6
2531.2
2664.7
2818.6
2994.0
3194.3
3441.0
3709.1
3855.1
3779.3
3575.6
3368.6
3187.5
3014.4
2827.7
2628.5
2452.0
2411.3
2302.7
2112.6
1807.0
1557.0
1472.1
1403.1
1366.9
1287.7
1196.0
1085.1
972.0
861.1
746.8
590.7
440.2
315.7
162.9
64.5
0.0

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