

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: P850573

Luminaire Tested: **GLAN-SB8A-927-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850573  
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-SB8A-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 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: 23155 lumens  
Efficiency: N/A  
Efficacy: 102.0 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

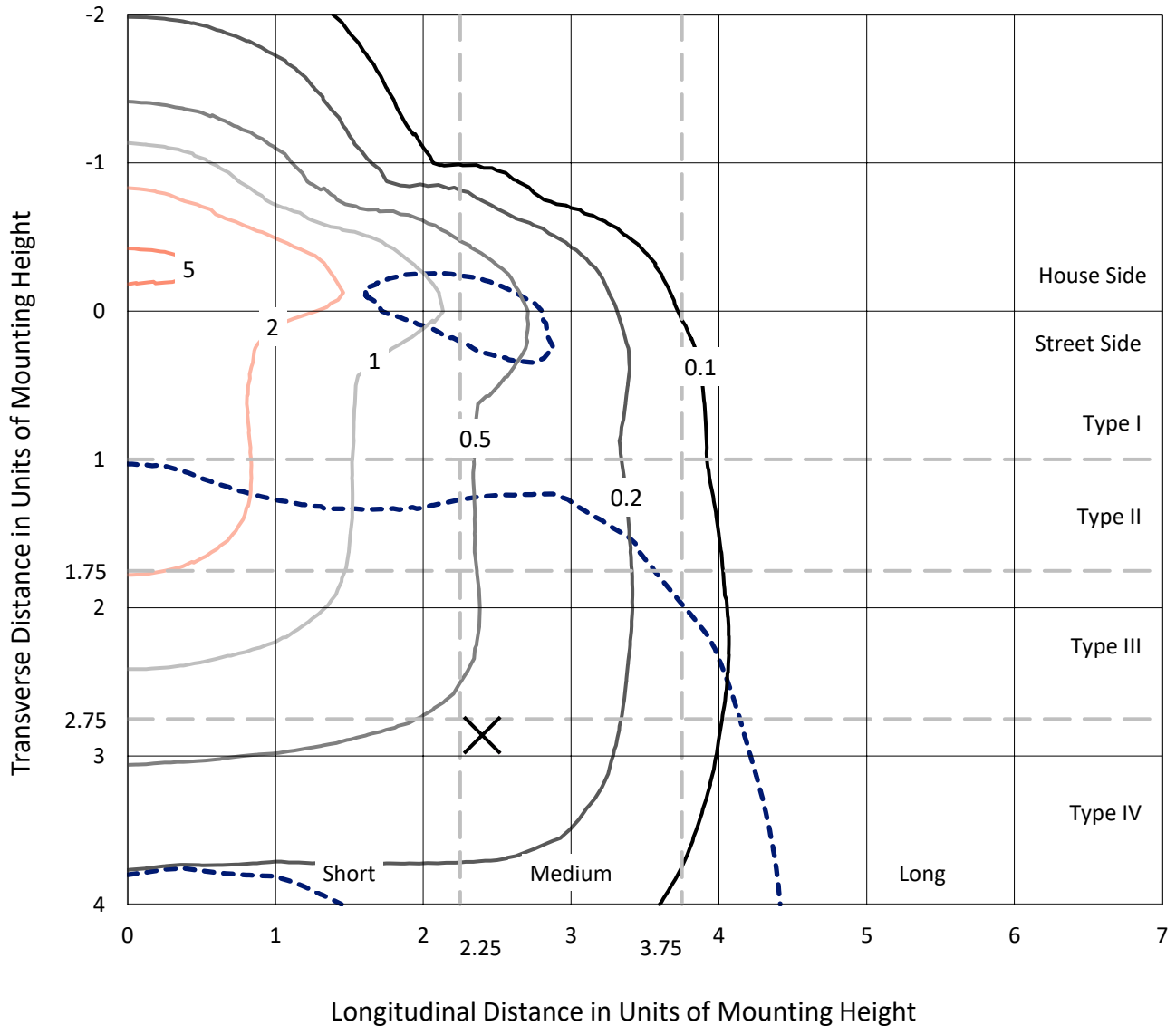
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

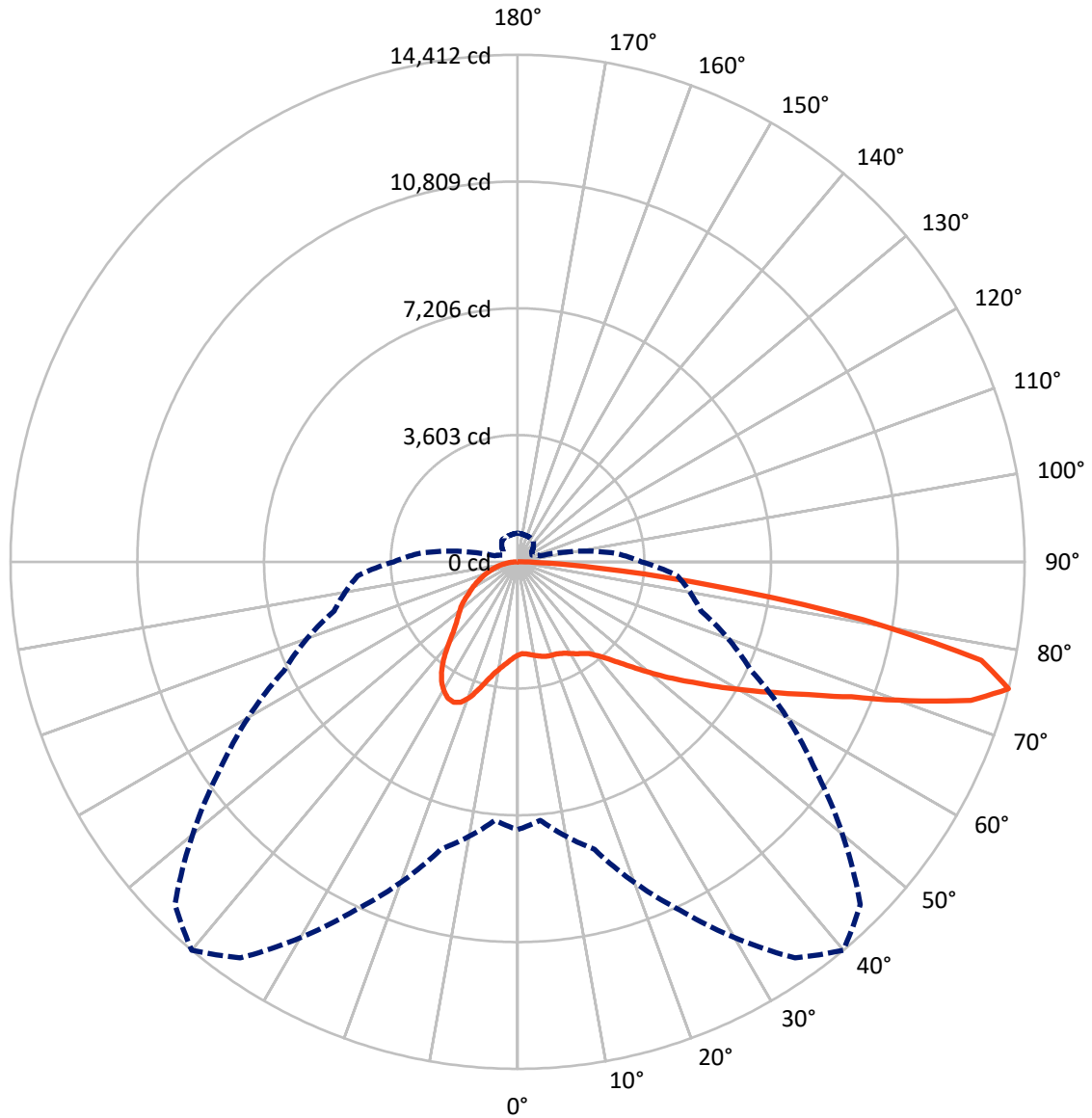
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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
<b>House Side</b>	Lumens	7174.2	0.0	7174.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	15980.8	0.0	15980.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	23155.0	0.0	23155.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.3	1.1
10°-20°	887.4	3.8
20°-30°	1620.3	7.0
30°-40°	2298.0	9.9
40°-50°	3103.0	13.4
50°-60°	4174.4	18.0
60°-70°	5298.2	22.9
70°-80°	4808.5	20.8
80°-90°	700.9	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°	23155.0	100.0
0°-180°	23155.0	100.0

**Coefficient of Utilization**

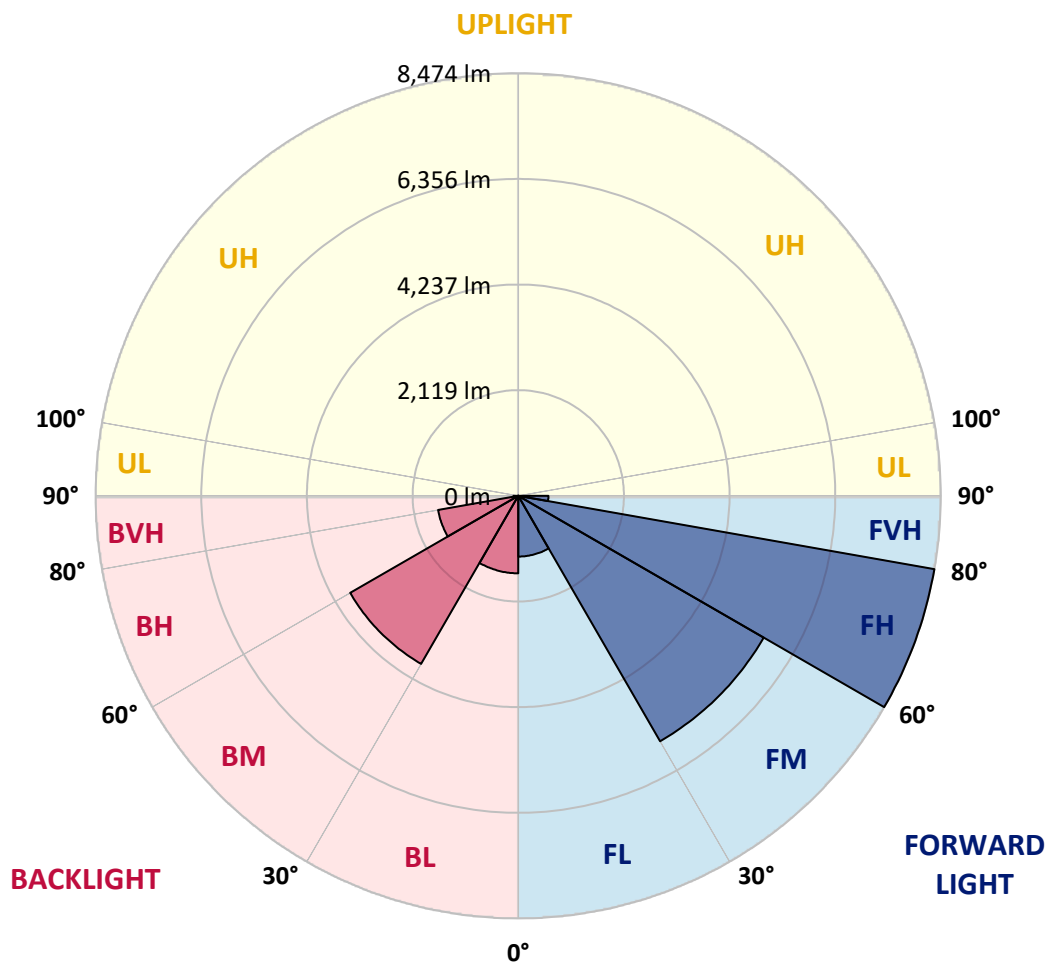


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1218.0	5.3			
FM (30°-60°)	5684.0	24.5			
FH (60°-80°)	8474.4	36.6			G4/12000
FVH (80°-90°)	604.4	2.6			G4/750
BL (0°-30°)	1554.0	6.7	B3/2500		
BM (30°-60°)	3891.4	16.8	B3/5000		
BH (60°-80°)	1632.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	96.5	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°	2647.8	2647.8	2647.8	2647.8	2647.8	2647.8	2647.8	2647.8	2647.8	2647.8
2.5°	2607.3	2622.0	2618.3	2613.4	2613.4	2614.6	2613.4	2622.0	2630.6	2639.2
5°	2634.3	2649.0	2641.7	2635.5	2630.6	2629.4	2625.7	2624.5	2629.4	2640.4
7.5°	2687.1	2701.8	2690.8	2679.7	2669.9	2665.0	2660.1	2652.7	2649.0	2655.2
10°	2746.1	2760.8	2747.3	2727.6	2711.7	2705.5	2700.6	2693.2	2688.3	2692.0
12.5°	2805.0	2819.7	2801.3	2774.3	2753.4	2749.7	2743.6	2741.1	2739.9	2738.7
15°	2860.3	2872.5	2849.2	2817.3	2795.2	2789.0	2782.9	2786.6	2792.7	2800.1
17.5°	2903.3	2915.5	2881.1	2839.4	2818.5	2816.1	2812.4	2824.7	2841.8	2860.3
20°	2942.6	2954.8	2910.6	2854.1	2829.6	2829.6	2830.8	2856.6	2881.1	2908.2
22.5°	2997.8	3007.6	2953.6	2876.2	2840.6	2843.1	2852.9	2878.7	2909.4	2946.2
25°	3080.1	3087.5	3021.2	2918.0	2877.5	2884.8	2893.4	2905.7	2935.2	2978.2
27.5°	3212.7	3218.9	3131.7	2991.7	2930.3	2942.6	2954.8	2946.2	2959.7	2996.6
30°	3399.4	3403.1	3292.6	3107.1	3019.9	3026.1	3028.5	2992.9	2967.1	2996.6
32.5°	3620.5	3619.2	3487.8	3247.1	3121.9	3115.7	3094.8	3024.8	2964.7	2990.4
35°	3963.1	3949.6	3780.1	3443.6	3237.3	3199.2	3150.1	3060.5	2976.9	2984.3
37.5°	4530.5	4488.7	4254.2	3765.4	3409.2	3312.2	3239.8	3118.2	3004.0	2981.9
40°	5170.3	5117.5	4859.6	4206.3	3667.1	3511.2	3394.5	3200.5	3048.2	2992.9
42.5°	5929.3	5854.4	5576.8	4725.8	3993.8	3767.8	3592.2	3304.8	3113.3	3028.5
45°	6861.5	6762.0	6369.0	5311.6	4405.2	4104.3	3869.8	3463.3	3212.7	3097.3
47.5°	7803.4	7828.0	7269.2	5982.1	4898.9	4519.4	4217.3	3701.5	3357.7	3207.8
50°	8804.3	8821.5	8164.5	6725.1	5458.9	4988.6	4607.9	3968.0	3559.1	3365.0
52.5°	9585.4	9587.9	8977.5	7502.5	6042.3	5504.4	5029.1	4272.6	3792.4	3573.8
55°	10074.2	10068.0	9547.3	8238.2	6712.8	6046.0	5495.8	4618.9	4077.3	3819.4
57.5°	10429.1	10410.7	9940.3	8870.6	7427.6	6685.8	6023.9	5011.9	4413.8	4111.7
60°	10564.2	10553.1	10206.8	9417.1	8179.2	7393.2	6633.0	5451.6	4795.8	4456.8
62.5°	10615.8	10636.7	10468.4	9946.5	8983.6	8176.8	7302.3	5977.2	5225.6	4847.4
65°	10797.5	10835.6	10801.2	10639.1	9892.4	9094.2	8190.3	6602.3	5694.7	5266.1
67.5°	11157.4	11195.5	11210.2	11468.1	11002.6	10237.5	9298.0	7380.9	6243.7	5700.9
70°	11148.8	11137.7	11398.1	12127.6	12392.9	11820.6	10791.4	8338.9	6898.3	6062.0
72.5°	10147.9	10059.4	10674.7	12120.2	13549.7	13473.6	12615.1	9574.3	7463.2	6106.2
75°	7613.1	7377.3	8464.1	10922.8	13742.6	14411.9	13774.5	10340.7	7329.4	5395.1
77.5°	3255.7	3018.7	4299.6	8085.9	12299.5	13472.4	12710.9	9021.7	5850.7	3567.7
80°	852.3	851.1	1299.3	3665.9	8364.7	9948.9	8728.2	5826.2	3342.9	1274.8
82.5°	352.5	343.9	477.7	1425.8	4087.1	5583.0	4556.3	2598.7	1207.2	345.1
85°	131.4	130.2	232.1	492.5	1441.8	2302.7	1666.5	664.4	300.9	168.3
87.5°	36.8	35.6	50.4	170.7	351.2	533.0	284.9	109.3	84.7	66.3
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°
2647.8	0°	2647.8	2647.8	2647.8	2647.8	2647.8	2647.8	2647.8	2647.8	2647.8	2647.8
2652.7	2.5°	2656.4	2662.5	2673.6	2682.2	2693.2	2705.5	2722.7	2733.8	2744.8	2752.2
2658.9	5°	2667.5	2681.0	2709.2	2737.5	2770.6	2801.3	2836.9	2862.7	2883.6	2889.7
2681.0	7.5°	2692.0	2714.1	2762.0	2809.9	2862.7	2913.1	2964.7	3008.9	3044.5	3058.0
2720.3	10°	2735.0	2764.5	2832.0	2899.6	2969.6	3046.9	3113.3	3177.1	3227.5	3248.4
2766.9	12.5°	2789.0	2825.9	2914.3	3007.6	3104.7	3211.5	3297.5	3376.1	3438.7	3467.0
2832.0	15°	2859.0	2906.9	3019.9	3145.2	3287.7	3436.3	3545.6	3632.7	3702.8	3737.1
2899.6	17.5°	2935.2	2999.0	3141.5	3330.6	3534.5	3729.8	3857.5	3921.4	3993.8	4027.0
2962.2	20°	3008.9	3087.5	3291.3	3566.4	3837.8	4045.4	4148.6	4165.7	4170.7	4174.3
3021.2	22.5°	3085.0	3190.6	3479.2	3863.6	4154.7	4298.4	4313.1	4239.4	4136.3	4088.4
3078.9	25°	3168.5	3308.5	3724.9	4191.5	4427.3	4444.5	4331.5	4152.2	3957.0	3867.3
3125.5	27.5°	3249.6	3444.8	4019.6	4504.7	4623.8	4472.8	4229.6	3975.4	3739.6	3645.0
3158.7	30°	3330.6	3600.8	4345.1	4778.6	4713.5	4402.8	4068.7	3785.0	3548.0	3448.5
3188.2	32.5°	3412.9	3782.6	4719.6	4976.3	4697.5	4254.2	3868.5	3571.3	3362.6	3258.2
3214.0	35°	3506.3	4006.1	5074.6	5084.4	4590.7	4035.6	3604.5	3315.9	3134.1	3050.6
3244.7	37.5°	3627.8	4289.8	5387.7	5111.4	4404.0	3715.0	3276.6	3013.8	2864.0	2825.9
3290.1	40°	3778.9	4631.2	5627.2	5068.4	4127.7	3325.7	2918.0	2708.0	2623.2	2631.8
3351.5	42.5°	3975.4	5013.1	5795.5	4957.9	3743.3	2924.1	2603.6	2510.3	2550.8	2585.2
3443.6	45°	4230.8	5409.8	5899.8	4770.0	3308.5	2583.9	2418.1	2440.3	2471.0	2474.6
3592.2	47.5°	4557.5	5811.4	5968.6	4486.3	2865.2	2344.5	2300.2	2305.2	2299.0	2273.2
3814.5	50°	4965.2	6202.0	6030.0	4110.5	2488.2	2194.6	2135.7	2118.5	2033.8	1950.2
4110.5	52.5°	5429.5	6560.6	6055.8	3643.8	2194.6	2069.4	1973.6	1865.5	1707.1	1681.3
4482.6	55°	5945.3	6892.2	5989.5	3070.3	1947.8	1908.5	1763.6	1633.4	1616.2	1594.1
4972.6	57.5°	6561.8	7249.5	5854.4	2430.4	1694.8	1720.6	1579.3	1594.1	1563.4	1529.0
5602.6	60°	7236.0	7619.2	5617.4	1847.1	1433.2	1486.0	1531.5	1530.2	1521.6	1493.4
6267.0	62.5°	7842.7	7862.4	5150.7	1414.8	1203.5	1304.3	1428.3	1427.1	1419.7	1403.7
6960.9	65°	8203.8	7825.5	4372.1	1113.9	1014.4	1154.4	1288.3	1298.1	1299.3	1298.1
7482.9	67.5°	8139.9	7394.5	3303.6	886.7	858.4	1002.1	1149.5	1163.0	1172.8	1175.3
7549.2	70°	7417.8	6447.6	2154.1	707.4	719.7	868.3	1018.1	1031.6	1040.2	1050.0
6550.7	72.5°	5781.9	4740.5	1233.0	572.3	598.1	752.8	887.9	903.9	908.8	927.2
4558.7	75°	3523.4	2787.8	665.6	450.7	491.2	643.5	759.0	777.4	786.0	808.1
2238.8	77.5°	1675.1	1207.2	379.5	351.2	395.5	525.6	641.1	662.0	638.6	650.9
617.7	80°	566.2	448.3	239.5	267.7	302.1	410.2	513.3	534.2	485.1	482.6
205.1	82.5°	197.7	181.8	152.3	178.1	195.3	293.5	388.1	415.1	361.1	359.8
92.1	85°	77.4	73.7	84.7	97.0	116.7	180.5	255.4	269.0	222.3	179.3
27.0	87.5°	16.0	17.2	20.9	22.1	35.6	62.6	92.1	113.0	89.7	76.1
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>
2647.8
2747.3
2892.2
3059.2
3249.6
3467.0
3734.7
4025.7
4184.2
4101.9
3880.8
3656.1
3459.6
3271.7
3069.0
2852.9
2661.3
2617.1
2499.2
2292.9
1961.3
1689.9
1597.8
1522.9
1483.6
1397.6
1298.1
1177.8
1054.9
934.6
810.6
641.1
477.7
342.6
176.8
70.0
0.0

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