

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: P850528

Luminaire Tested: **GLAN-SB8A-827-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850528  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-827-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28940 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

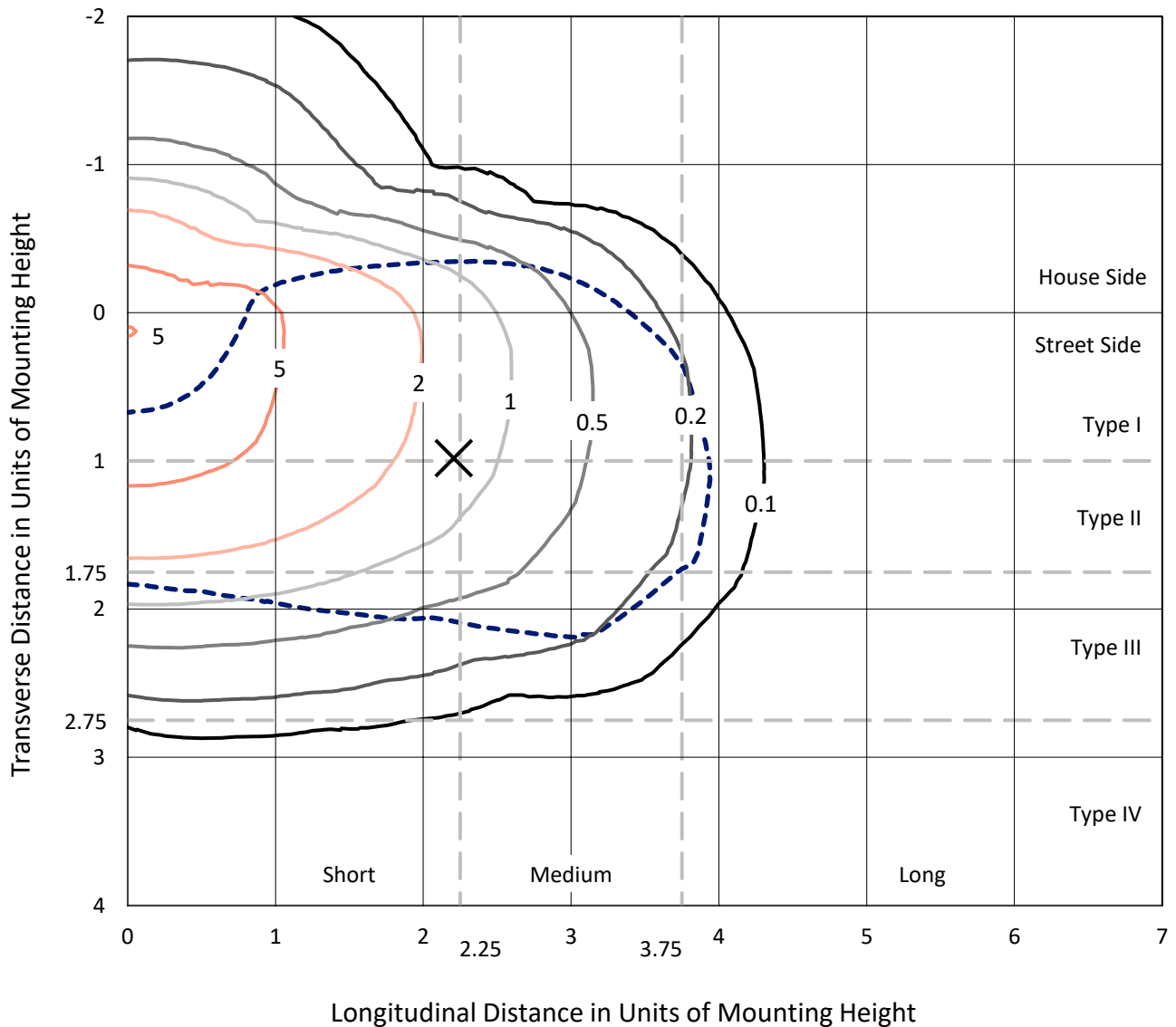
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

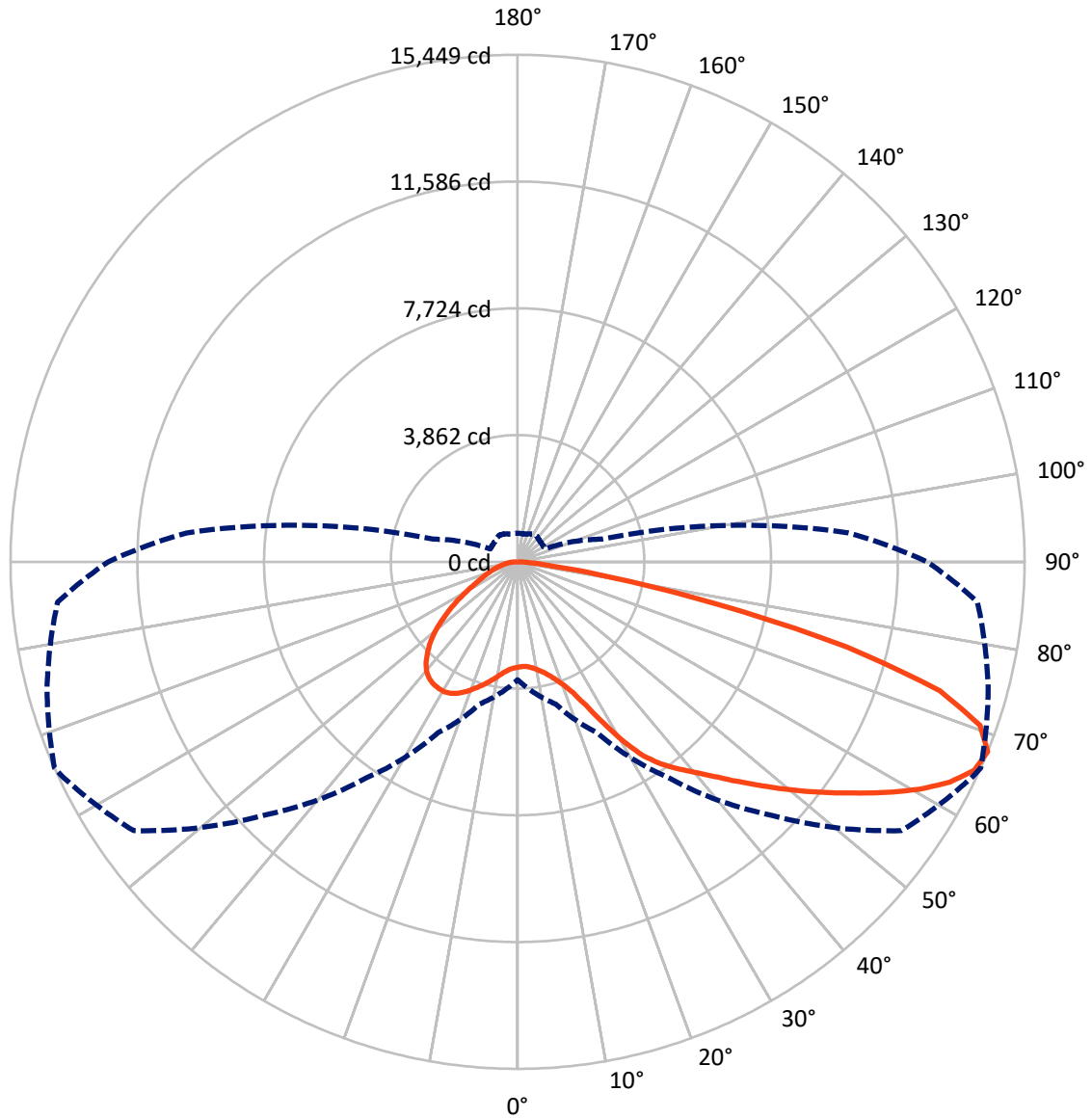
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7195.9	0.0	7195.9
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	21744.2	0.0	21744.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	28940.0	0.0	28940.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.2	1.1
10°-20°	1051.4	3.6
20°-30°	2026.6	7.0
30°-40°	3553.3	12.3
40°-50°	5282.6	18.3
50°-60°	6696.3	23.1
60°-70°	6552.1	22.6
70°-80°	3125.4	10.8
80°-90°	334.0	1.2
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°	28940.0	100.0
0°-180°	28940.0	100.0

**Coefficient of Utilization**

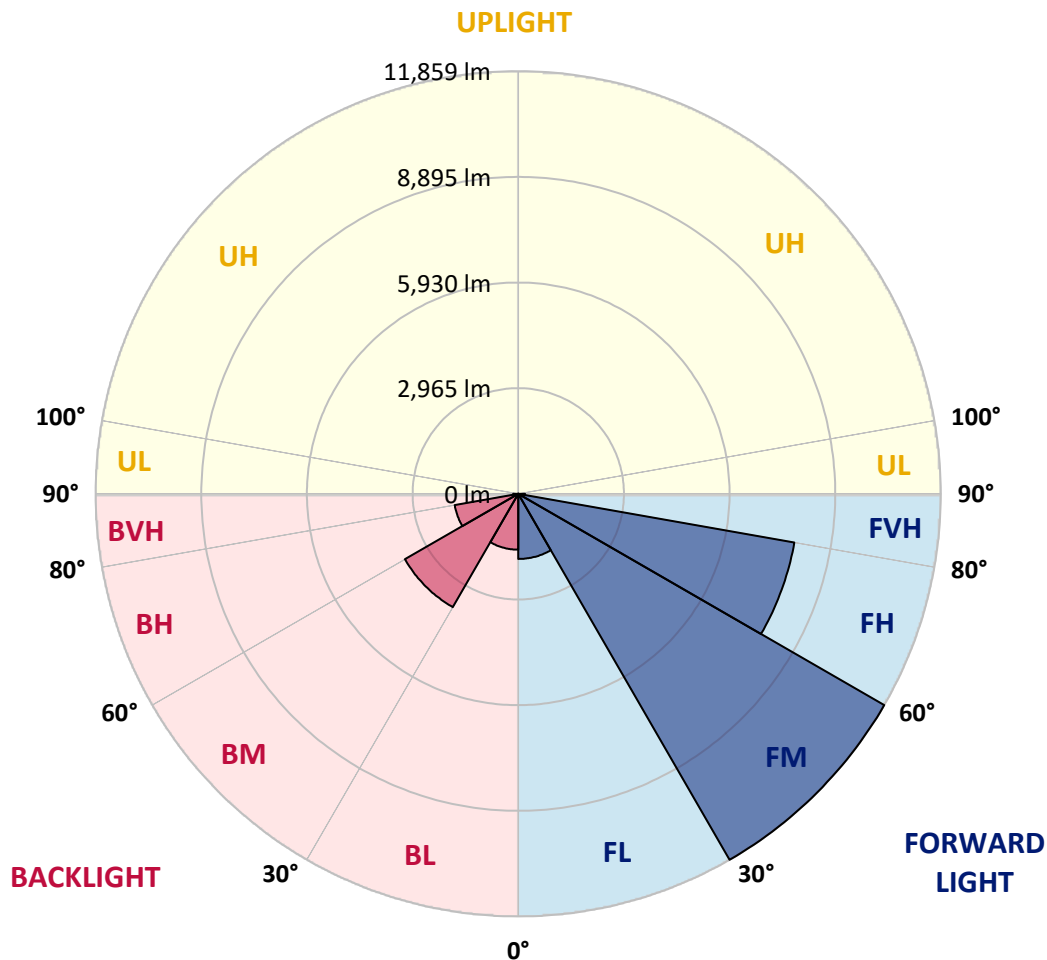


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1828.7	6.3			
FM (30°-60°)	11859.4	41.0			
FH (60°-80°)	7866.7	27.2			G4/12000
FVH (80°-90°)	189.4	0.7			G2/225
BL (0°-30°)	1567.5	5.4	B3/2500		
BM (30°-60°)	3672.8	12.7	B3/5000		
BH (60°-80°)	1810.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	144.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3209.8	3209.8	3209.8	3209.8	3209.8	3209.8	3209.8	3209.8	3209.8	3209.8
2.5°	3176.4	3194.6	3190.1	3182.5	3180.9	3184.0	3188.5	3193.1	3191.6	3199.2
5°	3167.3	3185.5	3184.0	3184.0	3190.1	3202.2	3209.8	3217.4	3209.8	3219.0
7.5°	3173.3	3187.0	3193.1	3199.2	3214.4	3237.2	3255.4	3272.2	3263.0	3273.7
10°	3250.9	3261.5	3267.6	3267.6	3278.3	3304.1	3322.3	3352.8	3345.2	3361.9
12.5°	3392.3	3402.9	3402.9	3396.9	3404.5	3421.2	3427.3	3460.7	3447.0	3474.4
15°	3565.6	3586.9	3570.2	3559.5	3562.6	3579.3	3577.8	3603.6	3590.0	3612.8
17.5°	3757.2	3784.6	3757.2	3755.7	3749.6	3767.9	3769.4	3792.2	3767.9	3784.6
20°	3983.8	4021.8	3999.0	4006.6	3992.9	4000.5	4008.1	4041.6	4003.5	4015.7
22.5°	4303.1	4348.7	4324.4	4353.3	4344.1	4338.1	4336.5	4395.8	4336.5	4341.1
25°	4768.4	4823.1	4780.5	4820.1	4820.1	4839.8	4862.6	4938.7	4839.8	4810.9
27.5°	5455.6	5510.4	5426.8	5451.1	5443.5	5492.1	5467.8	5656.4	5549.9	5502.8
30°	6282.8	6380.1	6222.0	6215.9	6208.3	6285.9	6320.8	6445.5	6337.5	6290.4
32.5°	7176.9	7278.8	7090.2	7035.5	7006.6	7053.7	7024.8	7125.2	7050.7	6977.7
35°	8122.6	8223.0	8043.6	7937.1	7821.6	7722.7	7619.4	7645.2	7575.3	7464.3
37.5°	9016.7	9200.7	9010.6	8896.6	8683.7	8490.6	8201.7	8081.6	8016.2	7914.3
40°	9927.5	10032.4	9888.0	9790.7	9559.5	9257.0	8794.7	8540.8	8452.6	8353.8
42.5°	10598.1	10698.4	10620.9	10554.0	10373.0	10021.8	9424.2	9106.4	8978.7	8867.7
45°	11130.2	11204.7	11156.1	11180.4	11102.9	10762.3	10076.5	9713.1	9580.8	9445.5
47.5°	11344.6	11423.7	11501.3	11645.7	11778.0	11527.1	10777.5	10370.0	10230.1	10091.7
50°	11320.3	11400.9	11625.9	11933.1	12343.6	12260.0	11516.5	11069.4	10940.2	10782.0
52.5°	11125.7	11216.9	11505.8	12016.7	12670.5	12808.9	12269.1	11791.7	11670.0	11481.5
55°	10614.8	10669.5	11102.9	11826.6	12748.1	13192.1	13006.6	12561.1	12439.4	12176.4
57.5°	9667.5	9746.6	10377.6	11314.2	12553.5	13452.1	13654.3	13370.0	13252.9	12874.3
60°	8431.3	8557.5	9279.8	10453.6	12057.8	13450.6	14242.8	14165.2	14067.9	13561.6
62.5°	7032.4	7178.4	7873.3	9237.2	11191.1	13068.9	14610.7	14831.2	14781.0	14195.6
65°	5400.9	5501.3	6193.1	7663.4	9842.4	12249.4	14653.3	15285.8	15295.0	14677.6
67.5°	3596.0	3884.9	4485.5	5750.6	8036.0	10909.8	14279.3	15360.3	15448.5	14843.4
70°	1754.7	2134.8	2723.3	3737.5	5750.6	8855.5	13301.6	14749.1	14945.2	14359.8
72.5°	728.3	851.5	1172.3	1844.4	3301.1	5975.7	11337.0	13091.7	13455.1	12723.8
75°	491.1	532.2	670.6	945.8	1503.8	2946.8	8175.9	9761.8	10347.2	9609.7
77.5°	378.6	404.5	488.1	661.4	894.1	1114.5	4376.1	5882.9	6185.5	5726.3
80°	298.0	317.8	364.9	482.0	634.1	596.0	1491.6	2665.5	2840.3	2382.7
82.5°	258.5	266.1	261.5	326.9	421.2	348.2	489.6	983.8	1085.7	787.6
85°	187.0	208.3	217.4	202.2	223.5	176.4	200.7	348.2	383.2	342.1
87.5°	76.0	112.5	138.4	130.8	82.1	50.2	62.3	101.9	117.1	127.7
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°
3209.8	0°	3209.8	3209.8	3209.8	3209.8	3209.8	3209.8	3209.8	3209.8	3209.8	3209.8
3211.3	2.5°	3212.9	3223.5	3231.1	3240.2	3246.3	3255.4	3273.7	3284.3	3285.9	3293.5
3235.7	5°	3241.8	3257.0	3273.7	3298.0	3325.4	3348.2	3383.2	3407.5	3416.6	3424.2
3295.0	7.5°	3304.1	3325.4	3355.8	3398.4	3437.9	3468.3	3510.9	3539.8	3568.7	3579.3
3389.3	10°	3396.9	3427.3	3471.4	3529.1	3571.7	3611.2	3655.3	3679.7	3708.6	3720.7
3501.8	12.5°	3512.4	3544.3	3602.1	3682.7	3722.2	3749.6	3764.8	3758.7	3764.8	3775.5
3637.1	15°	3644.7	3679.7	3745.1	3831.7	3859.1	3834.8	3801.3	3770.9	3766.3	3769.4
3801.3	17.5°	3801.3	3827.2	3903.2	3976.2	3956.4	3856.1	3783.1	3734.4	3710.1	3702.5
4011.1	20°	4020.3	4020.3	4082.6	4128.2	3995.9	3825.6	3711.6	3632.5	3582.4	3561.1
4297.0	22.5°	4286.4	4262.0	4301.6	4269.6	3988.3	3740.5	3582.4	3445.5	3369.5	3339.1
4696.9	25°	4623.9	4595.0	4584.4	4386.7	3933.6	3605.2	3348.2	3182.5	3115.6	3098.8
5273.2	27.5°	5133.3	5060.3	4921.9	4450.6	3833.2	3392.3	3074.5	2920.9	2882.9	2884.4
6013.7	30°	5811.4	5665.5	5326.4	4461.2	3669.0	3091.2	2794.7	2685.2	2667.0	2674.6
6635.6	32.5°	6439.4	6301.1	5740.0	4412.6	3416.6	2796.2	2543.8	2470.9	2443.5	2452.6
7110.0	35°	6932.1	6894.1	6123.2	4344.1	3106.4	2519.5	2318.8	2256.5	2203.2	2191.1
7557.0	37.5°	7397.4	7382.1	6410.5	4248.3	2799.3	2323.4	2137.9	2055.7	1978.2	1935.6
8051.2	40°	7908.3	7893.0	6599.1	4100.9	2527.1	2153.1	1975.2	1867.2	1771.4	1693.9
8610.7	42.5°	8483.0	8393.3	6688.8	3889.5	2296.0	2008.6	1842.9	1696.9	1570.7	1499.2
9243.3	45°	9111.0	8908.8	6687.3	3620.4	2101.4	1876.3	1701.5	1494.7	1377.6	1310.7
9892.5	47.5°	9777.0	9401.4	6605.2	3322.3	1912.8	1730.4	1482.5	1324.4	1246.8	1205.8
10598.1	50°	10464.3	9862.1	6465.3	2980.2	1719.7	1564.6	1345.7	1237.7	1178.4	1140.4
11297.5	52.5°	11110.5	10280.3	6296.5	2592.5	1523.6	1403.4	1284.8	1201.2	1138.9	1096.3
11975.7	55°	11711.1	10640.6	6057.8	2195.6	1363.9	1295.5	1256.0	1186.0	1114.5	1064.4
12664.5	57.5°	12244.8	10874.8	5645.7	1823.1	1249.9	1221.0	1225.5	1160.2	1078.1	1035.5
13342.6	60°	12688.8	11046.6	5036.0	1478.0	1157.1	1148.0	1178.4	1111.5	1015.7	967.1
13915.8	62.5°	12954.9	11043.6	4287.9	1210.3	1078.1	1081.1	1116.1	1050.7	953.4	907.8
14215.4	65°	12932.1	10772.9	3466.8	1035.5	1002.0	1005.1	1050.7	983.8	901.7	874.3
14064.9	67.5°	12474.4	10113.0	2659.4	921.4	918.4	932.1	985.3	938.2	869.7	866.7
13167.7	70°	11235.2	8743.0	1915.9	830.2	831.7	851.5	921.4	909.3	853.0	859.1
11070.9	72.5°	9009.1	6666.0	1286.4	734.4	735.9	767.9	860.6	886.5	836.3	916.9
7855.0	75°	6000.0	4157.1	827.2	632.5	634.1	675.1	807.4	842.4	790.7	913.8
4087.2	77.5°	2882.9	1868.7	599.1	532.2	532.2	570.2	697.9	754.2	673.6	710.1
1313.7	80°	995.9	702.5	471.4	428.8	419.7	445.5	588.4	653.8	580.8	535.2
428.8	82.5°	392.3	364.9	378.6	333.0	302.6	319.3	457.7	539.8	427.3	386.2
241.8	85°	225.0	237.2	267.6	220.5	174.9	196.1	336.0	387.7	322.4	284.3
79.1	87.5°	60.8	83.6	123.2	114.0	79.1	83.6	159.7	214.4	185.5	142.9
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°
3209.8
3291.9
3422.7
3580.8
3726.8
3778.5
3780.0
3713.1
3556.5
3334.5
3101.9
2889.0
2700.5
2464.8
2200.2
1937.1
1701.5
1503.8
1307.7
1196.7
1126.7
1078.1
1044.6
1008.1
945.8
894.1
872.8
871.3
857.6
929.0
921.4
650.8
501.8
384.7
290.4
147.5
0.0

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