

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: P853027

Luminaire Tested: **GLAN-SB8A-930-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853027  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-930-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24187 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

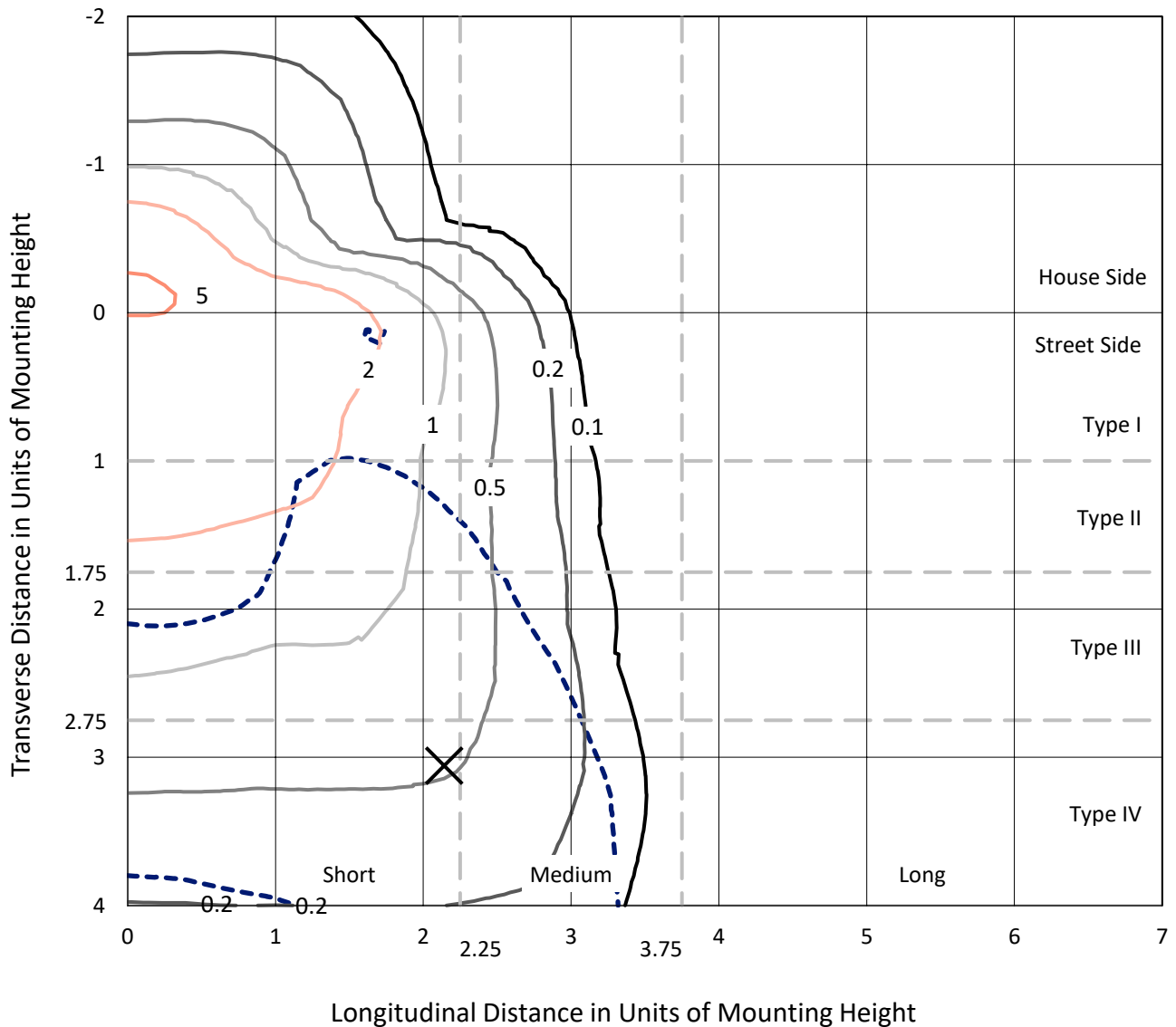
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

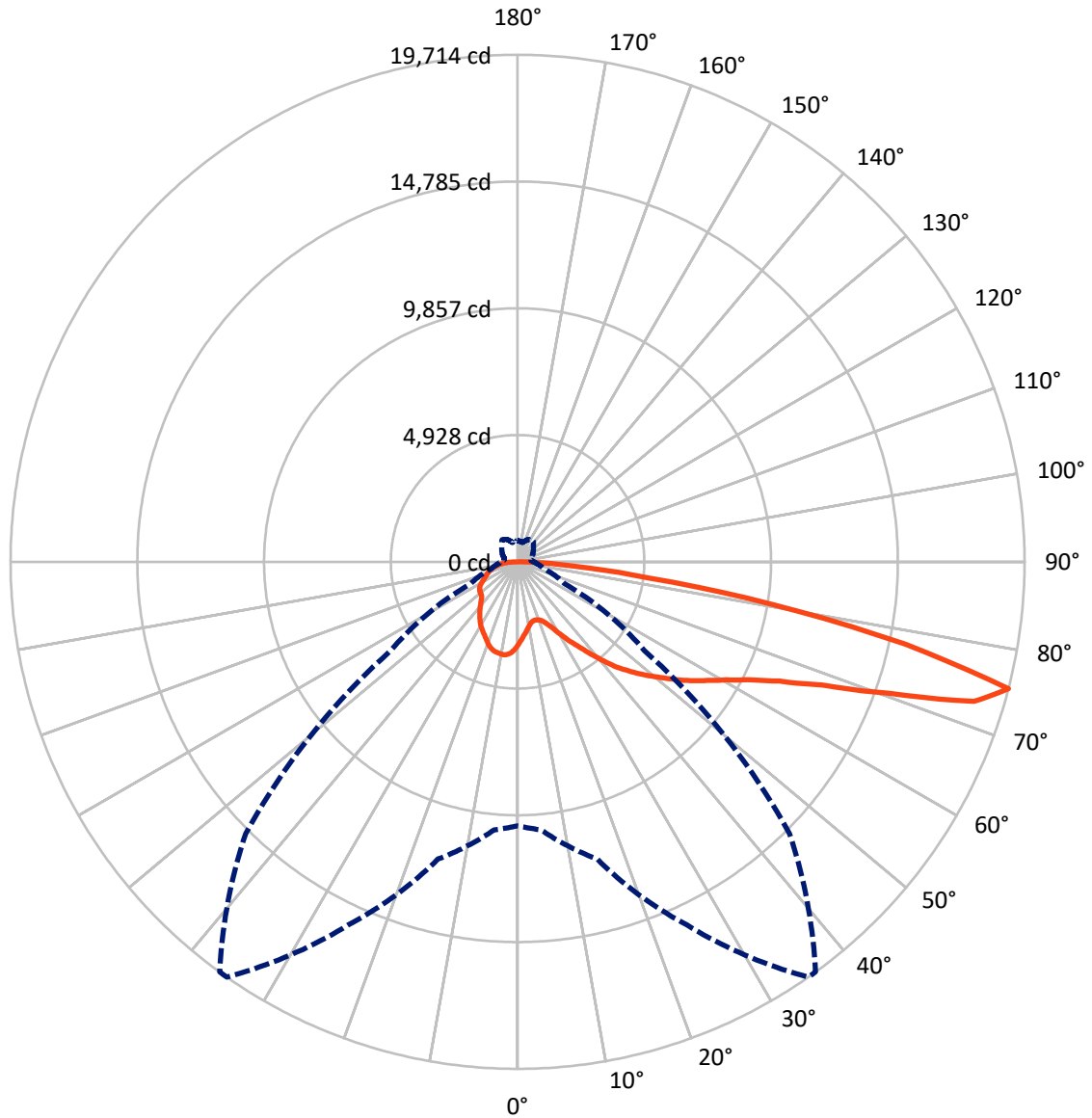
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5755.9	0.0	5755.9
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	18431.1	0.0	18431.1
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	24187.0	0.0	24187.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.2	1.3
10°-20°	880.2	3.6
20°-30°	1478.1	6.1
30°-40°	2297.2	9.5
40°-50°	3409.7	14.1
50°-60°	4707.2	19.5
60°-70°	5710.9	23.6
70°-80°	4719.7	19.5
80°-90°	678.8	2.8
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°	24187.0	100.0
0°-180°	24187.0	100.0

**Coefficient of Utilization**

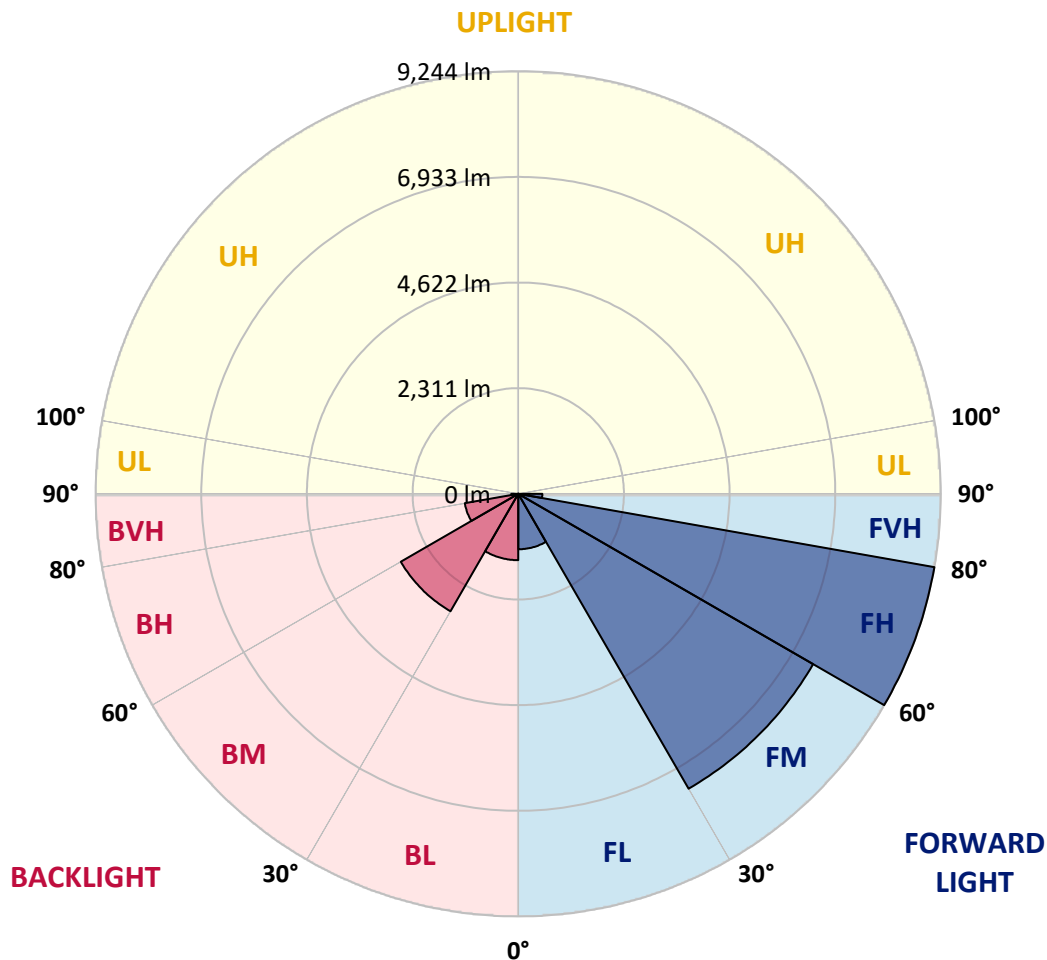


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1212.9	5.0			
FM (30°-60°)	7448.3	30.8			
FH (60°-80°)	9243.9	38.2			G4/12000
FVH (80°-90°)	526.0	2.2			G4/750
BL (0°-30°)	1450.6	6.0	B3/2500		
BM (30°-60°)	2965.8	12.3	B3/5000		
BH (60°-80°)	1186.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	152.9	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-G4**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3223.1	3223.1	3223.1	3223.1	3223.1	3223.1	3223.1	3223.1	3223.1	3223.1
2.5°	2972.0	2990.3	2998.2	2994.3	3013.9	3011.3	3038.7	3072.7	3119.8	3165.5
5°	2743.2	2762.8	2779.8	2795.5	2833.4	2845.2	2888.4	2953.7	3040.0	3127.6
7.5°	2530.1	2547.1	2573.2	2602.0	2666.1	2677.8	2749.8	2851.7	2972.0	3100.2
10°	2356.2	2373.2	2400.6	2433.3	2513.1	2527.5	2619.0	2755.0	2911.9	3074.0
12.5°	2281.7	2286.9	2302.6	2335.3	2404.6	2413.7	2514.4	2670.0	2853.0	3054.4
15°	2277.7	2288.2	2289.5	2306.5	2364.0	2368.0	2460.8	2615.1	2816.4	3050.5
17.5°	2317.0	2324.8	2313.0	2323.5	2371.9	2378.4	2451.6	2588.9	2804.7	3067.5
20°	2421.6	2428.1	2392.8	2378.4	2413.7	2418.9	2490.9	2605.9	2816.4	3102.8
22.5°	2643.8	2647.8	2561.5	2502.6	2505.2	2507.9	2570.6	2675.2	2862.2	3166.9
25°	2990.3	2987.7	2850.4	2736.7	2671.3	2656.9	2698.8	2787.7	2939.3	3251.8
27.5°	3395.7	3376.1	3238.8	3068.8	2926.3	2905.3	2896.2	2934.1	3049.2	3364.3
30°	3853.3	3835.0	3687.3	3465.0	3267.5	3233.5	3147.2	3127.6	3212.6	3517.3
32.5°	4355.4	4343.6	4167.1	3897.8	3633.6	3594.4	3449.3	3397.0	3463.7	3748.7
35°	4776.4	4766.0	4619.5	4342.3	4019.4	3971.0	3823.2	3764.4	3798.4	4045.5
37.5°	5156.9	5151.7	5026.2	4807.8	4474.4	4415.6	4249.5	4229.9	4223.3	4436.5
40°	5510.0	5496.9	5366.1	5251.1	5003.9	4950.3	4803.9	4786.9	4737.2	4917.7
42.5°	5900.9	5866.9	5677.3	5623.7	5557.0	5512.6	5425.0	5427.6	5317.8	5460.3
45°	6220.0	6200.3	6005.5	5974.1	6046.1	6027.8	6103.6	6123.2	5910.1	6029.1
47.5°	6562.5	6544.2	6379.5	6357.3	6552.1	6557.3	6825.3	6831.9	6488.0	6620.1
50°	6984.9	6958.7	6795.3	6822.7	7041.1	7060.7	7551.0	7506.6	7020.2	7220.2
52.5°	7263.4	7279.1	7243.8	7288.2	7586.3	7604.6	8264.9	8151.2	7547.1	7812.5
55°	7468.7	7500.0	7609.9	7711.9	8161.7	8180.0	8938.3	8764.4	7983.8	8361.7
57.5°	7732.8	7688.3	7893.6	8092.4	8708.2	8756.6	9593.4	9355.4	8370.9	8835.0
60°	8112.0	8080.6	8240.1	8534.3	9320.1	9397.3	10286.4	9887.6	8654.6	9210.3
62.5°	8880.8	8802.3	8827.2	9087.4	10091.6	10193.6	11068.3	10351.8	8795.8	9356.7
65°	10030.1	9895.4	9769.9	9950.4	11178.1	11278.8	11950.9	10716.6	8743.5	9073.0
67.5°	11477.6	11344.2	11189.9	11359.9	12778.6	12858.3	13040.1	10921.9	8331.6	7979.9
70°	12671.4	12621.7	12806.0	13505.6	15334.8	15337.4	14436.5	10751.9	7203.2	5657.7
72.5°	12513.1	12483.1	13454.6	15617.2	18556.6	18487.3	15758.4	9465.3	4852.3	2552.3
75°	10265.5	10460.3	11965.3	15579.3	19713.8	19704.6	14949.1	6017.3	2007.1	1057.8
77.5°	5504.7	5813.3	7768.1	11502.4	15389.7	15621.2	10510.0	2105.1	861.7	677.3
80°	1795.2	2064.6	3096.3	5856.5	10000.1	9956.9	4504.5	826.4	589.7	479.9
82.5°	762.3	793.7	1383.4	2765.4	5132.1	5052.3	1434.4	474.6	414.5	328.2
85°	298.1	333.4	610.6	1278.8	2222.8	2174.4	517.8	235.4	265.4	214.4
87.5°	98.1	119.0	218.4	438.0	691.7	666.8	126.8	81.1	115.1	98.1
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°
3223.1	0°	3223.1	3223.1	3223.1	3223.1	3223.1	3223.1	3223.1	3223.1	3223.1	3223.1
3232.2	2.5°	3250.5	3271.5	3296.3	3332.9	3364.3	3390.4	3417.9	3434.9	3441.4	3461.1
3237.5	5°	3274.1	3319.8	3381.3	3441.4	3500.3	3535.6	3567.0	3582.7	3597.0	3607.5
3251.8	7.5°	3313.3	3372.1	3468.9	3547.4	3597.0	3625.8	3646.7	3641.5	3646.7	3649.3
3267.5	10°	3347.3	3429.7	3544.7	3619.3	3657.2	3658.5	3653.3	3635.0	3625.8	3627.1
3291.1	12.5°	3387.8	3479.4	3603.6	3666.3	3676.8	3648.0	3625.8	3594.4	3582.7	3577.4
3326.4	15°	3442.7	3547.4	3667.6	3691.2	3665.0	3628.4	3590.5	3539.5	3513.4	3492.4
3386.5	17.5°	3509.4	3624.5	3717.3	3700.3	3644.1	3584.0	3522.5	3445.4	3391.8	3369.5
3468.9	20°	3602.3	3705.6	3755.2	3680.7	3595.7	3504.2	3399.6	3305.5	3255.8	3233.5
3573.5	22.5°	3714.7	3814.1	3791.9	3646.7	3526.4	3380.0	3249.2	3179.9	3155.1	3139.4
3708.2	25°	3849.4	3934.4	3818.0	3597.0	3412.7	3215.2	3114.6	3092.3	3080.6	3068.8
3872.9	27.5°	4024.6	4070.4	3837.6	3523.8	3234.8	3040.0	3003.4	3007.3	3003.4	2983.8
4101.7	30°	4256.0	4246.9	3855.9	3404.8	3030.9	2881.8	2884.4	2901.4	2904.0	2891.0
4420.8	32.5°	4560.7	4467.9	3865.1	3250.5	2836.1	2743.2	2745.8	2764.1	2777.2	2755.0
4837.9	35°	4929.4	4725.4	3850.7	3057.0	2685.7	2611.2	2591.5	2596.8	2600.7	2579.8
5343.9	37.5°	5359.6	5014.4	3786.6	2842.6	2561.5	2481.7	2439.9	2404.6	2383.6	2364.0
5916.6	40°	5831.6	5329.5	3669.0	2633.4	2422.9	2344.4	2281.7	2215.0	2144.4	2118.2
6523.3	42.5°	6325.9	5653.8	3526.4	2433.3	2263.3	2199.3	2132.6	2035.8	1929.9	1876.3
7153.5	45°	6838.4	5985.9	3386.5	2235.9	2099.9	2072.4	1995.3	1878.9	1763.9	1695.9
7785.1	47.5°	7340.5	6299.7	3181.2	2037.1	1946.9	1977.0	1916.9	1809.6	1681.5	1574.3
8411.4	50°	7820.4	6593.9	2845.2	1835.8	1822.7	1948.2	1890.7	1736.4	1590.0	1452.7
9025.9	52.5°	8296.3	6831.9	2415.0	1652.7	1756.0	1940.4	1856.7	1686.7	1507.6	1363.8
9603.9	55°	8700.4	6954.8	2000.5	1495.8	1659.3	1873.7	1816.2	1627.9	1391.2	1238.2
10000.1	57.5°	8930.5	6855.4	1655.3	1341.5	1525.9	1763.9	1746.9	1502.4	1252.6	1134.9
10077.2	60°	8831.1	6452.7	1372.9	1206.9	1399.1	1644.9	1626.6	1378.1	1146.7	1035.6
9664.0	62.5°	8283.3	5685.2	1149.3	1089.2	1284.0	1523.3	1506.3	1282.7	1065.6	958.4
8567.0	65°	7179.7	4624.8	975.4	991.1	1167.6	1376.8	1401.7	1202.9	1001.6	897.0
6627.9	67.5°	5476.0	3349.9	839.4	906.1	1053.9	1233.0	1304.9	1145.4	948.0	848.6
3835.0	70°	3121.1	1902.5	724.4	823.7	953.2	1099.6	1230.4	1099.6	890.4	808.1
1437.0	72.5°	1183.3	873.4	626.3	741.4	856.4	987.2	1148.0	1027.7	823.7	762.3
742.7	75°	631.5	532.2	526.9	644.6	745.3	877.4	1044.7	957.1	774.1	805.4
513.9	77.5°	430.2	376.6	440.6	551.8	623.7	755.8	934.9	849.9	670.8	668.2
355.7	80°	298.1	266.7	358.3	444.6	482.5	635.5	815.9	729.6	546.6	509.9
219.7	82.5°	179.1	173.9	268.0	332.1	341.3	490.3	676.0	611.9	447.2	389.6
130.8	85°	98.1	103.3	171.3	194.8	198.7	342.6	529.6	473.3	343.9	289.0
47.1	87.5°	27.5	35.3	62.8	77.1	95.5	177.8	315.1	281.1	172.6	120.3
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°
3223.1
3459.7
3610.1
3653.3
3629.7
3574.8
3499.0
3370.8
3230.9
3142.0
3068.8
2987.7
2897.5
2765.4
2594.2
2377.1
2130.0
1882.9
1690.6
1562.5
1440.9
1348.1
1225.2
1119.3
1019.9
941.4
880.0
832.9
797.6
751.8
831.6
615.9
487.7
392.3
291.6
120.3
0.0

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