

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: P853059

Luminaire Tested: **GLAN-SB8B-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853059
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-SB8B-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28982 lumens
Efficiency: N/A
Efficacy: 99.0 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

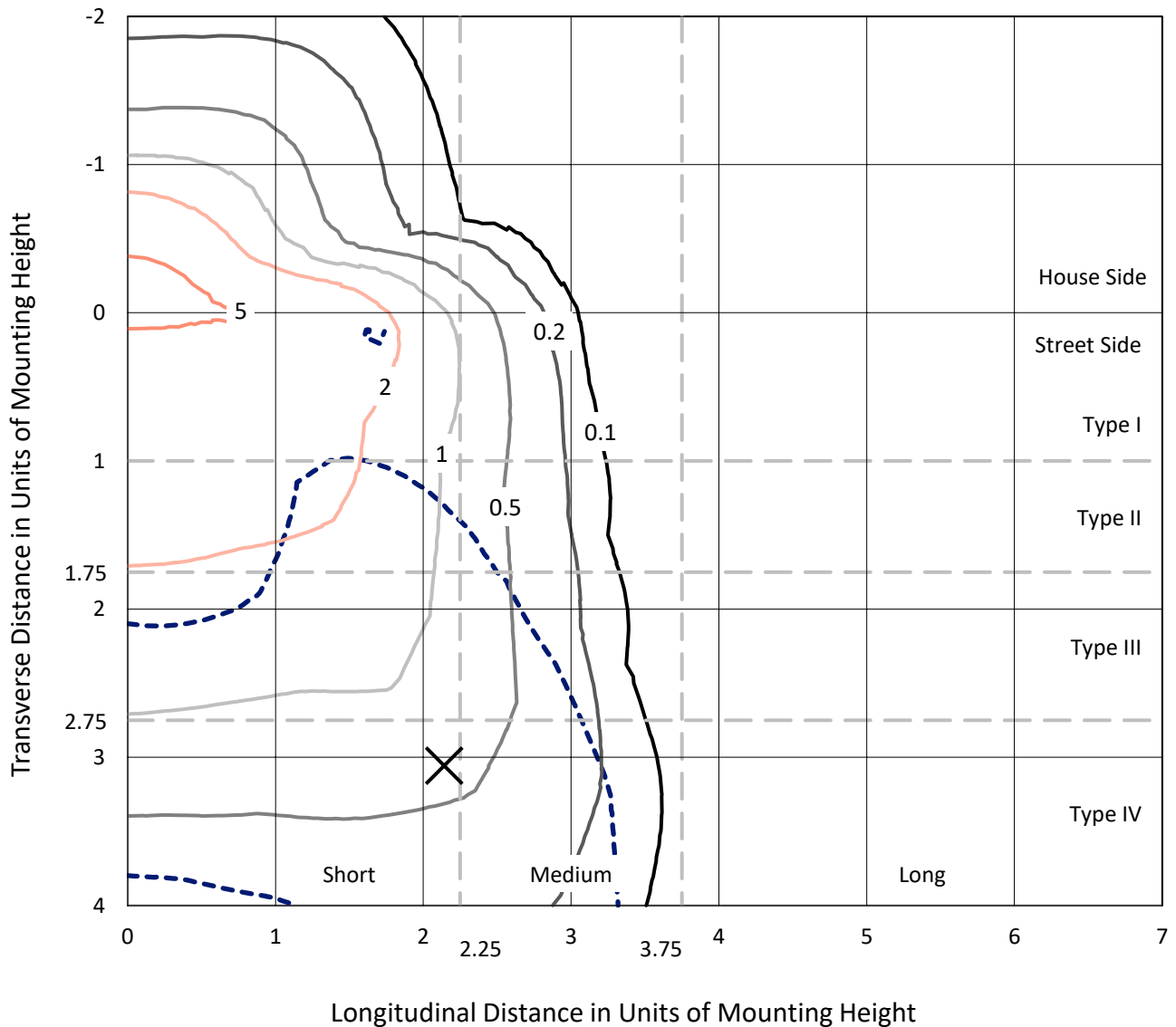
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853059
 CATALOG NUMBER: GLAN-SB8B-927-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

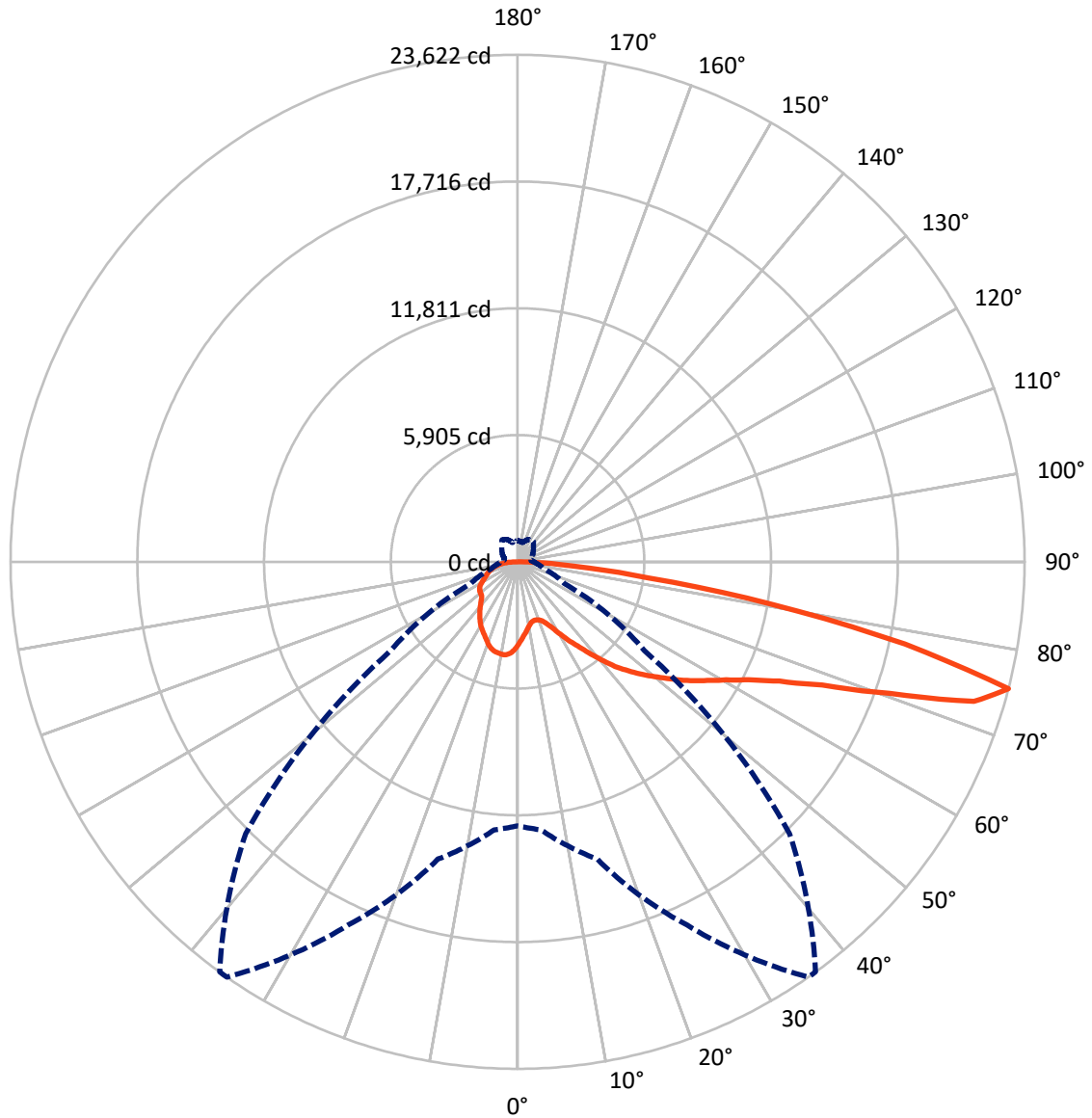
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P853059
CATALOG NUMBER: GLAN-SB8B-927-U-T4FT

Luminous Intensity Polar Plot



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

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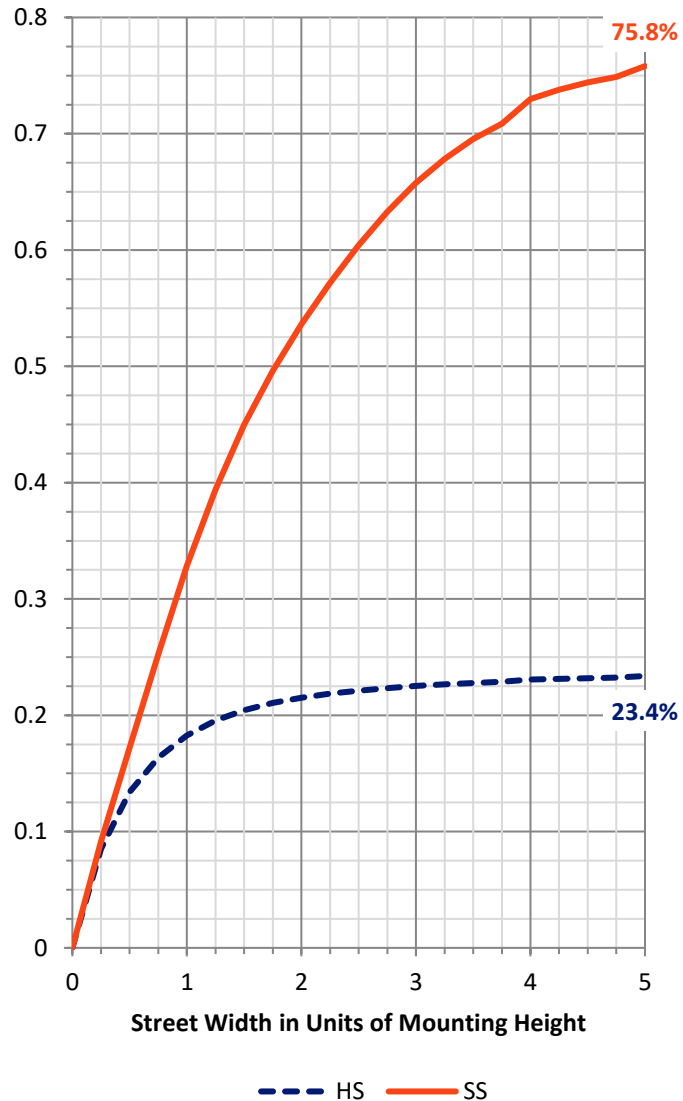
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6897.0	0.0	6897.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	22085.0	0.0	22085.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	28982.0	0.0	28982.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.7	1.3
10°-20°	1054.7	3.6
20°-30°	1771.1	6.1
30°-40°	2752.6	9.5
40°-50°	4085.6	14.1
50°-60°	5640.4	19.5
60°-70°	6843.1	23.6
70°-80°	5655.3	19.5
80°-90°	813.4	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°	28982.0	100.0
0°-180°	28982.0	100.0

Coefficient of Utilization

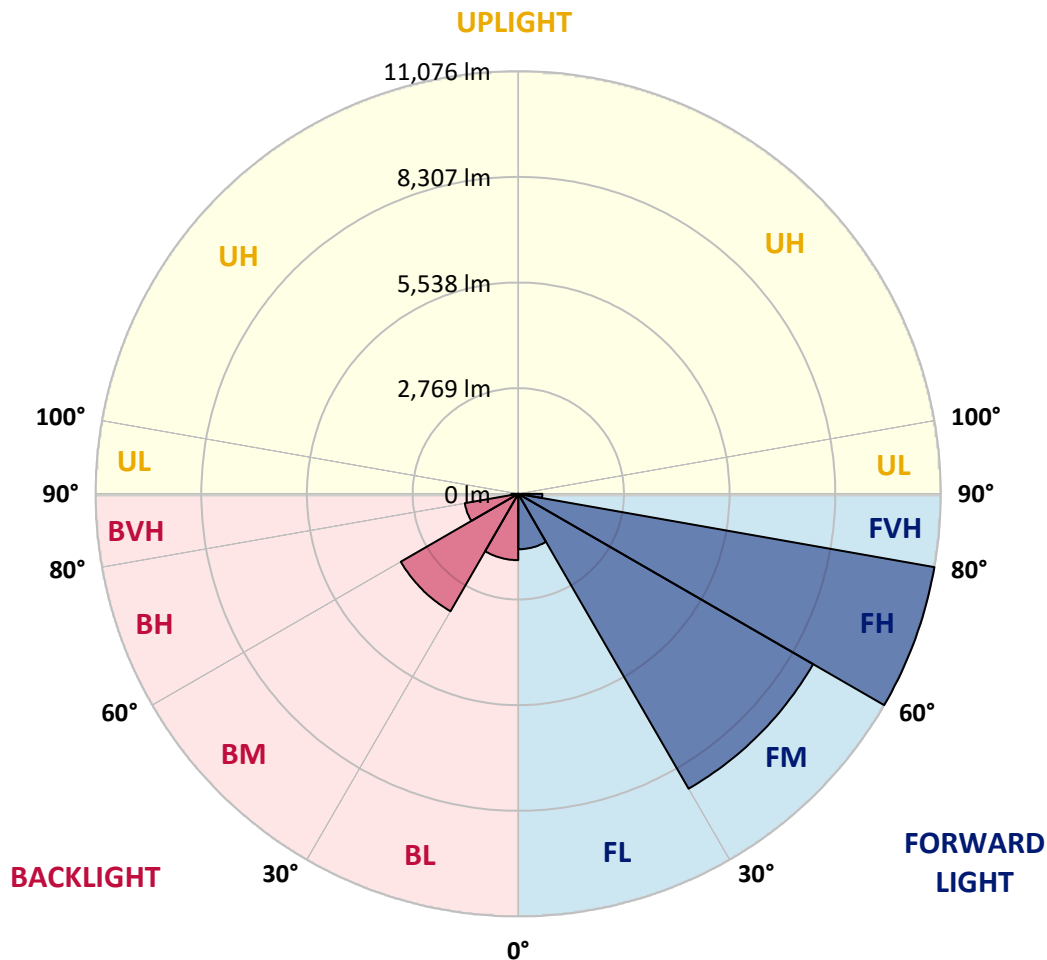


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1453.4	5.0			
FM (30°-60°)	8924.9	30.8			
FH (60°-80°)	11076.5	38.2			G4/12000
FVH (80°-90°)	630.2	2.2			G4/750
BL (0°-30°)	1738.1	6.0	B3/2500		
BM (30°-60°)	3553.8	12.3	B3/5000		
BH (60°-80°)	1421.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	183.2	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



REPORT NUMBER: P853059

CATALOG NUMBER: GLAN-SB8B-927-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3862.0	3862.0	3862.0	3862.0	3862.0	3862.0	3862.0	3862.0	3862.0	3862.0
2.5°	3561.2	3583.2	3592.6	3587.9	3611.4	3608.2	3641.1	3681.9	3738.3	3793.1
5°	3287.0	3310.6	3330.9	3349.7	3395.2	3409.3	3461.0	3539.3	3642.7	3747.7
7.5°	3031.7	3052.0	3083.4	3117.8	3194.6	3208.7	3294.9	3417.1	3561.2	3714.8
10°	2823.3	2843.7	2876.6	2915.7	3011.3	3028.5	3138.2	3301.1	3489.2	3683.4
12.5°	2734.0	2740.3	2759.1	2798.2	2881.3	2892.2	3012.9	3199.3	3418.7	3659.9
15°	2729.3	2741.8	2743.4	2763.8	2832.7	2837.4	2948.6	3133.5	3374.8	3655.2
17.5°	2776.3	2785.7	2771.6	2784.1	2842.1	2849.9	2937.7	3102.2	3360.7	3675.6
20°	2901.6	2909.5	2867.2	2849.9	2892.2	2898.5	2984.7	3122.5	3374.8	3717.9
22.5°	3168.0	3172.7	3069.3	2998.8	3001.9	3005.0	3080.2	3205.6	3429.6	3794.7
25°	3583.2	3580.0	3415.5	3279.2	3200.9	3183.6	3233.8	3340.3	3522.1	3896.5
27.5°	4068.9	4045.4	3880.8	3677.2	3506.4	3481.3	3470.4	3515.8	3653.7	4031.3
30°	4617.2	4595.3	4418.2	4151.9	3915.3	3874.6	3771.2	3747.7	3849.5	4214.6
32.5°	5218.9	5204.8	4993.2	4670.5	4354.0	4307.0	4133.1	4070.4	4150.3	4491.9
35°	5723.4	5710.8	5535.3	5203.2	4816.2	4758.2	4581.2	4510.7	4551.4	4847.5
37.5°	6179.3	6173.0	6022.6	5761.0	5361.4	5290.9	5091.9	5068.4	5060.6	5316.0
40°	6602.3	6586.6	6430.0	6292.1	5996.0	5931.7	5756.3	5735.9	5676.3	5892.6
42.5°	7070.8	7030.0	6802.8	6738.6	6658.7	6605.4	6500.5	6503.6	6372.0	6542.8
45°	7453.0	7429.5	7196.1	7158.5	7244.7	7222.7	7313.6	7337.1	7081.7	7224.3
47.5°	7863.5	7841.6	7644.2	7617.6	7851.0	7857.3	8178.5	8186.3	7774.2	7932.5
50°	8369.6	8338.3	8142.4	8175.3	8437.0	8460.5	9048.0	8994.7	8411.9	8651.6
52.5°	8703.3	8722.1	8679.8	8733.1	9090.3	9112.2	9903.4	9767.1	9043.3	9361.4
55°	8949.3	8986.9	9118.5	9240.7	9779.7	9801.6	10710.3	10501.9	9566.6	10019.4
57.5°	9265.8	9212.5	9458.5	9696.6	10434.6	10492.5	11495.3	11210.1	10030.4	10586.6
60°	9720.1	9682.5	9873.7	10226.2	11167.8	11260.3	12325.7	11847.8	10370.3	11036.2
62.5°	10641.4	10547.4	10577.2	10888.9	12092.2	12214.4	13262.6	12404.0	10539.6	11211.7
65°	12018.6	11857.2	11706.8	11923.0	13394.2	13514.8	14320.1	12841.1	10476.9	10871.7
67.5°	13753.0	13593.2	13408.3	13612.0	15311.9	15407.5	15625.2	13087.1	9983.4	9561.9
70°	15183.4	15123.9	15344.8	16183.0	18374.9	18378.0	17298.5	12883.4	8631.2	6779.3
72.5°	14993.8	14957.8	16121.9	18713.3	22235.4	22152.3	18882.5	11341.7	5814.2	3058.3
75°	12300.6	12534.0	14337.4	18667.9	23621.9	23611.0	17912.7	7210.2	2405.0	1267.5
77.5°	6596.0	6965.8	9308.1	13782.7	18440.7	18718.0	12593.6	2522.5	1032.5	811.6
80°	2151.2	2473.9	3710.1	7017.5	11982.5	11930.8	5397.5	990.2	706.6	575.0
82.5°	913.4	951.0	1657.6	3313.7	6149.5	6053.9	1718.7	568.7	496.7	393.3
85°	357.2	399.5	731.7	1532.3	2663.5	2605.5	620.4	282.0	318.1	256.9
87.5°	117.5	142.6	261.6	524.9	828.8	799.0	152.0	97.1	137.9	117.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853059
 CATALOG NUMBER: GLAN-SB8B-927-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3862.0	0°	3862.0	3862.0	3862.0	3862.0	3862.0	3862.0	3862.0	3862.0	3862.0	3862.0
3873.0	2.5°	3894.9	3920.0	3949.8	3993.7	4031.3	4062.6	4095.5	4115.9	4123.7	4147.2
3879.3	5°	3923.2	3978.0	4051.6	4123.7	4194.2	4236.5	4274.1	4292.9	4310.1	4322.7
3896.5	7.5°	3970.2	4040.7	4156.6	4250.6	4310.1	4344.6	4369.7	4363.4	4369.7	4372.8
3915.3	10°	4010.9	4109.6	4247.5	4336.8	4382.2	4383.8	4377.5	4355.6	4344.6	4346.2
3943.5	12.5°	4059.5	4169.1	4318.0	4393.2	4405.7	4371.2	4344.6	4307.0	4292.9	4286.6
3985.8	15°	4125.3	4250.6	4394.7	4422.9	4391.6	4347.7	4302.3	4241.2	4209.9	4184.8
4057.9	17.5°	4205.2	4343.0	4454.3	4433.9	4366.5	4294.5	4220.8	4128.4	4064.2	4037.5
4156.6	20°	4316.4	4440.2	4499.7	4410.4	4308.6	4198.9	4073.6	3960.8	3901.2	3874.6
4281.9	22.5°	4451.1	4570.2	4543.6	4369.7	4225.5	4050.1	3893.4	3810.3	3780.6	3761.8
4443.3	25°	4612.5	4714.4	4574.9	4310.1	4089.2	3852.6	3732.0	3705.4	3691.3	3677.2
4640.7	27.5°	4822.5	4877.3	4598.4	4222.4	3876.1	3642.7	3598.8	3603.5	3598.8	3575.3
4914.9	30°	5099.8	5088.8	4620.4	4079.8	3631.7	3453.1	3456.3	3476.6	3479.8	3464.1
5297.2	32.5°	5464.8	5353.6	4631.3	3894.9	3398.3	3287.0	3290.2	3312.1	3327.8	3301.1
5797.0	35°	5906.7	5662.2	4614.1	3663.1	3218.1	3128.8	3105.3	3111.6	3116.3	3091.2
6403.3	37.5°	6422.1	6008.5	4537.3	3406.1	3069.3	2973.7	2923.6	2881.3	2856.2	2832.7
7089.6	40°	6987.7	6386.1	4396.3	3155.4	2903.2	2809.2	2734.0	2654.1	2569.5	2538.1
7816.5	42.5°	7580.0	6774.6	4225.5	2915.7	2712.1	2635.3	2555.4	2439.4	2312.5	2248.3
8571.7	45°	8194.1	7172.6	4057.9	2679.1	2516.2	2483.3	2390.9	2251.4	2113.6	2032.1
9328.5	47.5°	8795.8	7548.6	3811.9	2441.0	2332.9	2368.9	2296.9	2168.4	2014.8	1886.4
10078.9	50°	9370.8	7901.1	3409.3	2199.7	2184.1	2334.5	2265.5	2080.6	1905.2	1740.7
10815.3	52.5°	9941.1	8186.3	2893.8	1980.4	2104.2	2325.1	2224.8	2021.1	1806.5	1634.1
11507.8	55°	10425.2	8333.6	2397.1	1792.4	1988.2	2245.2	2176.2	1950.6	1667.0	1483.7
11982.5	57.5°	10700.9	8214.5	1983.5	1607.5	1828.4	2113.6	2093.2	1800.2	1500.9	1359.9
12075.0	60°	10581.9	7731.9	1645.1	1446.1	1676.4	1971.0	1949.0	1651.4	1374.0	1240.9
11579.9	62.5°	9925.4	6812.2	1377.2	1305.1	1538.6	1825.3	1804.9	1537.0	1276.9	1148.4
10265.4	65°	8603.0	5541.6	1168.8	1187.6	1399.1	1649.8	1679.6	1441.4	1200.1	1074.8
7941.9	67.5°	6561.6	4014.0	1005.9	1085.8	1262.8	1477.4	1563.6	1372.5	1135.9	1016.8
4595.3	70°	3739.8	2279.6	868.0	987.1	1142.2	1317.6	1474.3	1317.6	1067.0	968.3
1721.9	72.5°	1417.9	1046.6	750.5	888.3	1026.2	1182.9	1375.6	1231.5	987.1	913.4
889.9	75°	756.7	637.7	631.4	772.4	893.0	1051.3	1251.8	1146.9	927.5	965.1
615.7	77.5°	515.5	451.2	528.0	661.2	747.3	905.6	1120.2	1018.4	803.7	800.6
426.2	80°	357.2	319.6	429.3	532.7	578.1	761.4	977.7	874.2	654.9	611.0
263.2	82.5°	214.6	208.4	321.2	398.0	408.9	587.5	810.0	733.2	535.8	466.9
156.7	85°	117.5	123.8	205.2	233.4	238.1	410.5	634.5	567.2	412.1	346.3
56.4	87.5°	32.9	42.3	75.2	92.4	114.4	213.1	377.6	336.9	206.8	144.1
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

180°
3862.0
4145.6
4325.8
4377.5
4349.3
4283.5
4192.6
4039.1
3871.4
3764.9
3677.2
3580.0
3471.9
3313.7
3108.4
2848.4
2552.2
2256.1
2025.8
1872.3
1726.6
1615.3
1468.0
1341.1
1222.1
1128.1
1054.4
998.0
955.7
900.9
996.5
737.9
584.4
470.0
349.4
144.1
0.0

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