

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: P954864

Luminaire Tested: **GLAN-SB8A-727-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-727-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28010 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - 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

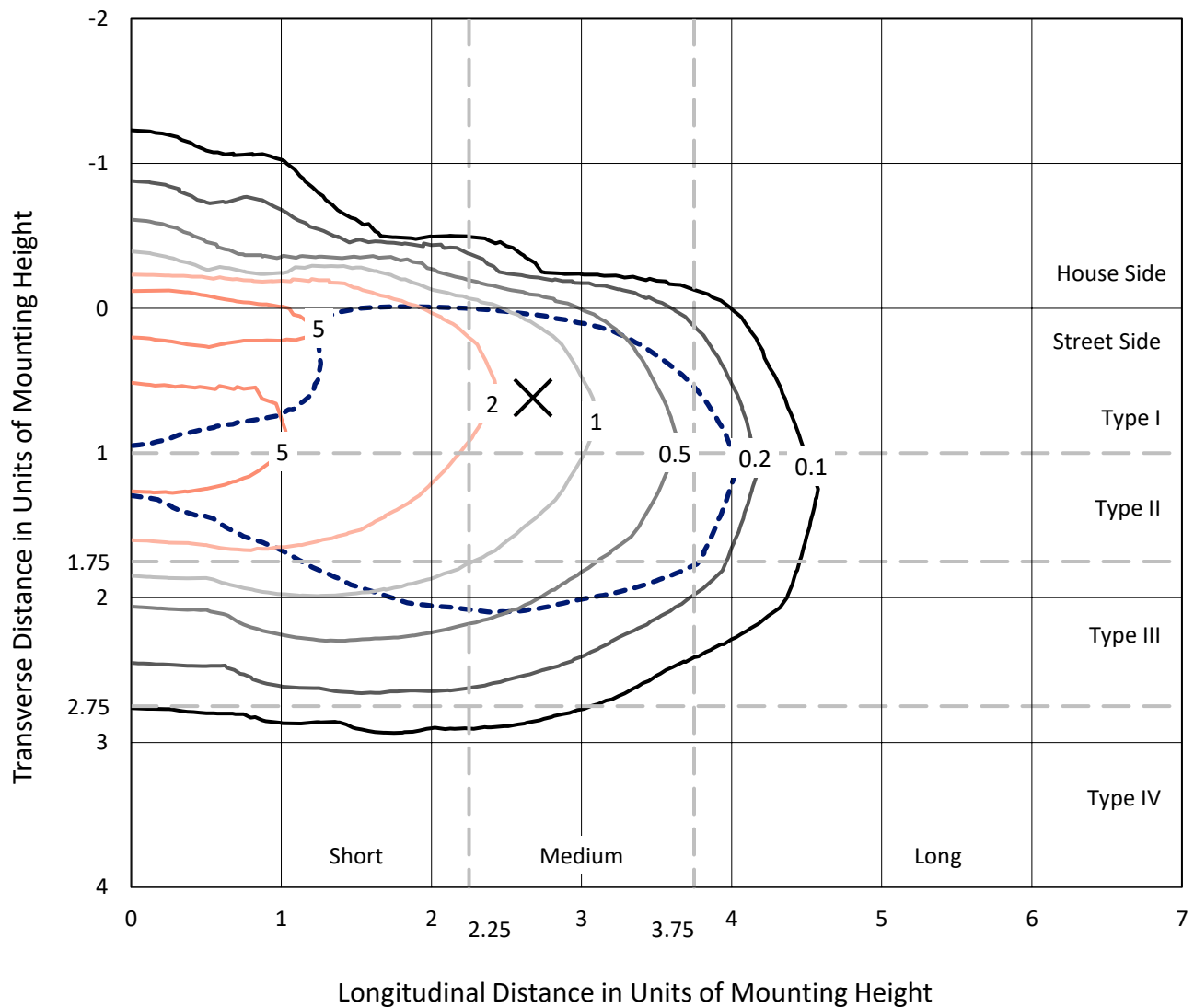


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

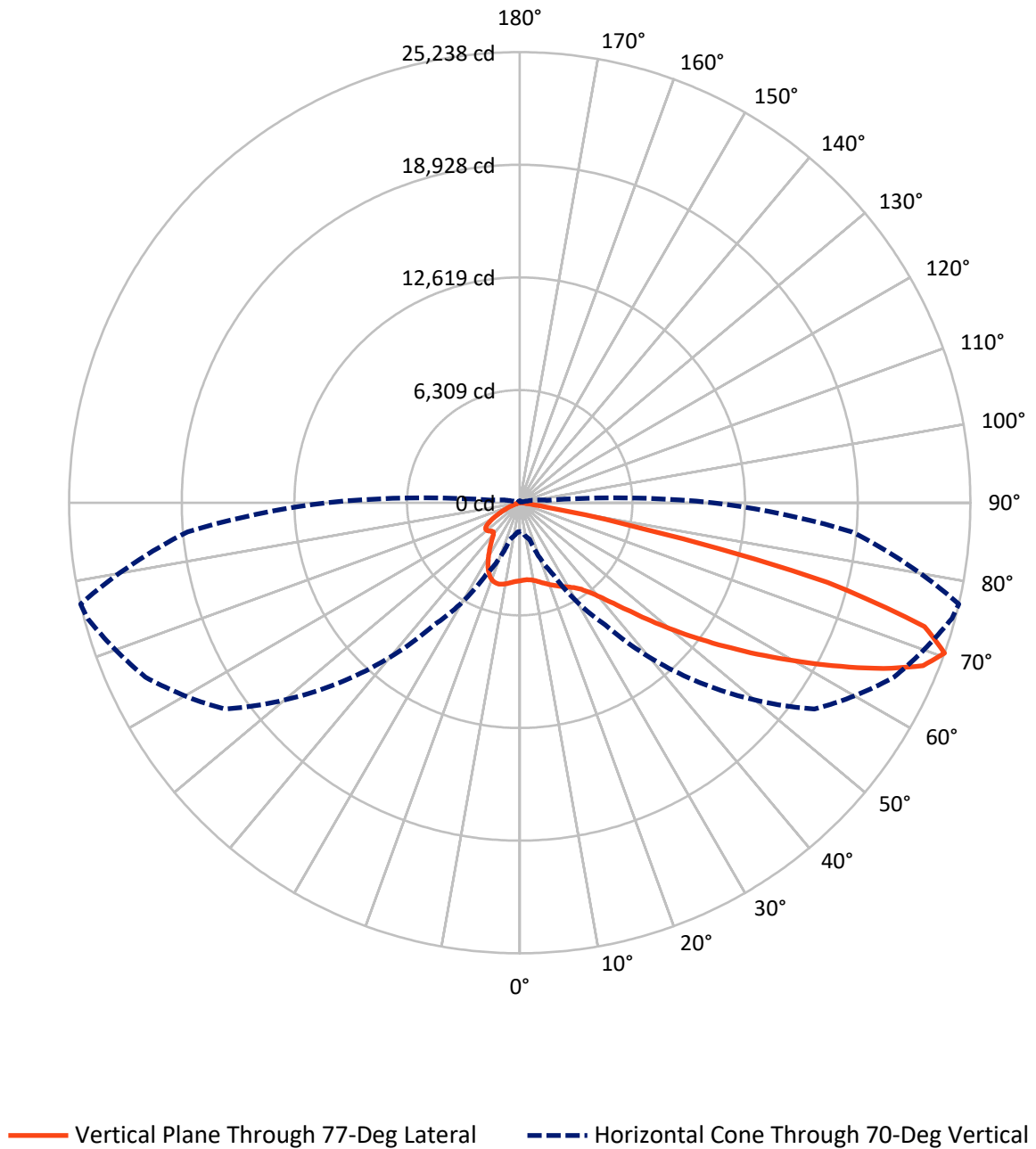


Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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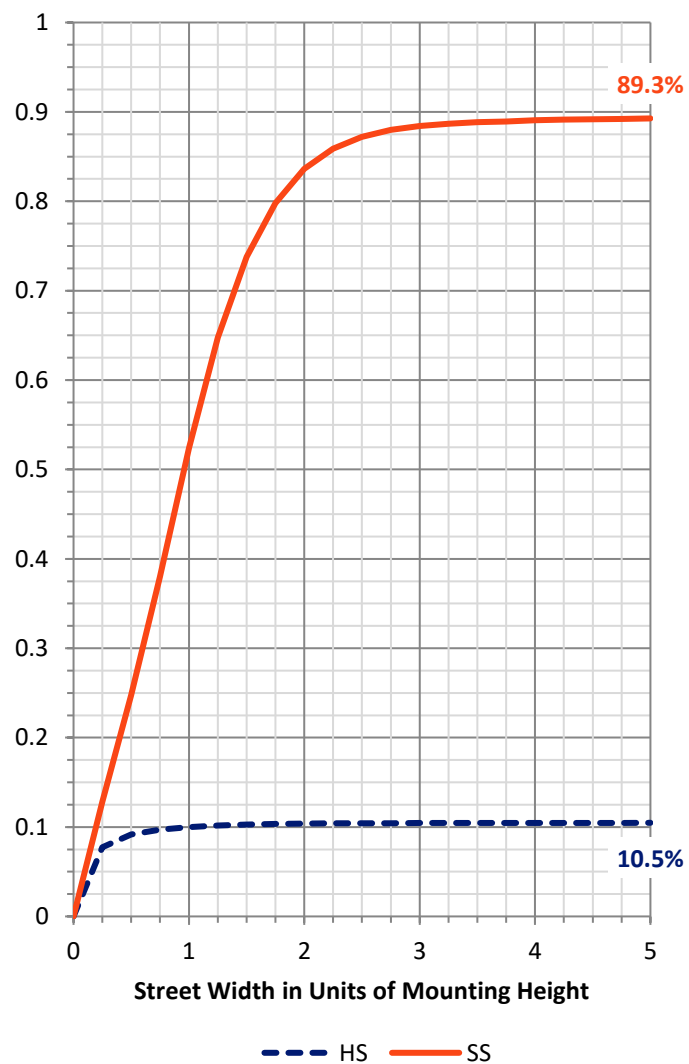
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2952.7	0.0	2952.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	25057.4	0.0	25057.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	28010.0	0.0	28010.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.5	1.3
10°-20°	893.9	3.2
20°-30°	1382.6	4.9
30°-40°	2508.7	9.0
40°-50°	4735.6	16.9
50°-60°	6842.5	24.4
60°-70°	7283.7	26.0
70°-80°	3859.8	13.8
80°-90°	126.7	0.5
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°	28010.0	100.0
0°-180°	28010.0	100.0

Coefficient of Utilization



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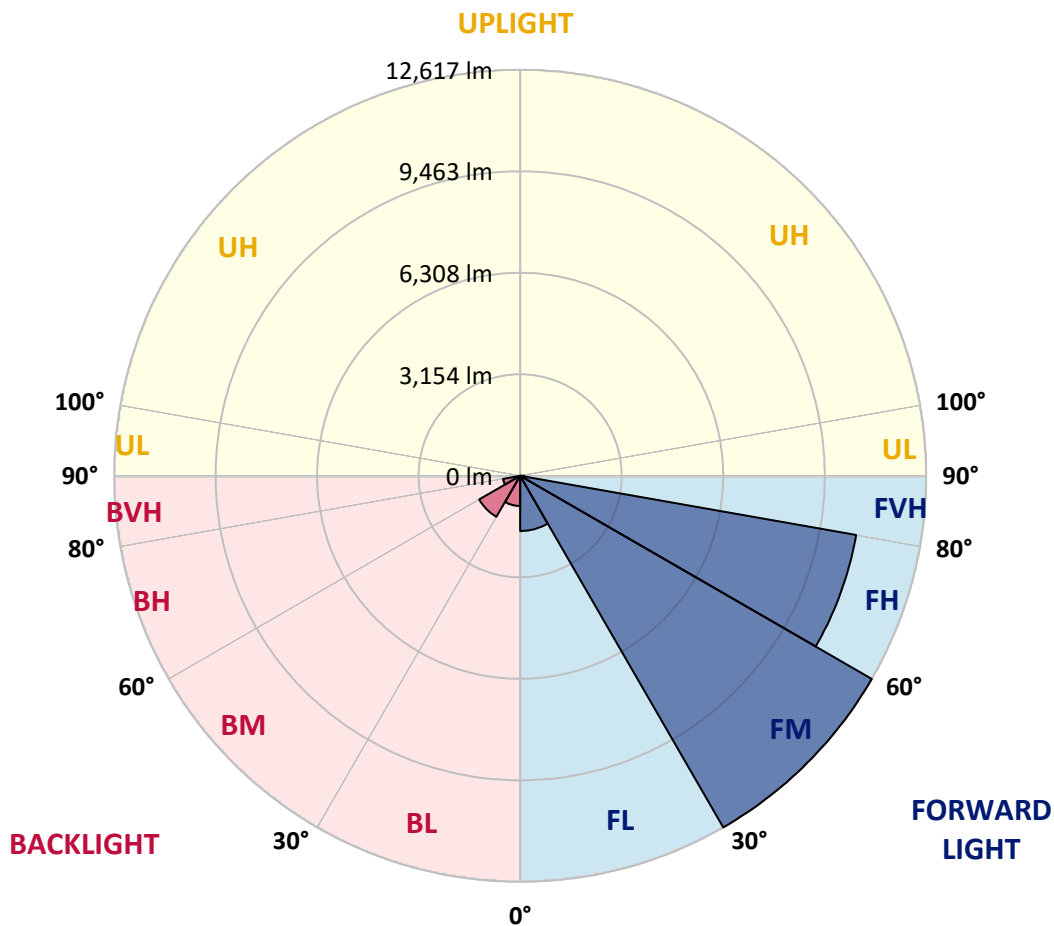
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1714.9	6.1			
FM	(30°-60°)	12617.0	45.0			
FH	(60°-80°)	10602.2	37.9			G4/12000
FVH	(80°-90°)	123.3	0.4			G2/225
BL	(0°-30°)	938.1	3.3	B2/1000		
BM	(30°-60°)	1469.8	5.2	B2/2500		
BH	(60°-80°)	541.3	1.9	B2/1000		G2/1000
BVH	(80°-90°)	3.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4369.1	4369.1	4369.1	4369.1	4369.1	4369.1	4369.1	4369.1	4369.1	4369.1
2.5°	4102.0	4139.1	4133.8	4158.6	4167.4	4202.8	4238.2	4285.9	4339.0	4337.2
5°	3870.2	3907.4	3916.2	3949.8	3992.3	4047.1	4119.6	4215.2	4314.2	4330.1
7.5°	3596.1	3635.0	3658.0	3725.2	3803.0	3916.2	4034.7	4174.5	4339.0	4362.0
10°	3321.9	3357.3	3387.3	3482.9	3606.7	3774.7	3967.5	4169.2	4390.3	4423.9
12.5°	3152.1	3185.7	3219.3	3302.4	3456.3	3661.5	3923.3	4193.9	4475.2	4522.9
15°	3091.9	3122.0	3148.5	3222.8	3366.1	3599.6	3914.5	4245.2	4583.1	4646.8
17.5°	3100.8	3116.7	3134.4	3191.0	3330.7	3571.3	3930.4	4333.7	4710.4	4767.0
20°	3152.1	3160.9	3162.7	3201.6	3325.4	3567.8	3962.2	4418.6	4830.7	4906.8
22.5°	3217.5	3221.1	3217.5	3244.1	3359.0	3594.3	4004.7	4521.2	4965.2	5035.9
25°	3523.5	3456.3	3371.4	3320.1	3415.6	3645.6	4068.3	4659.1	5112.0	5181.0
27.5°	4473.4	4280.6	3976.4	3635.0	3532.4	3719.9	4156.8	4798.9	5260.6	5322.5
30°	6015.9	5762.9	5246.4	4477.0	3907.4	3875.5	4271.8	4938.6	5418.0	5485.2
32.5°	7561.8	7499.9	6903.8	5839.0	4751.1	4222.2	4462.8	5127.9	5626.7	5679.8
35°	9125.5	8999.9	8511.7	7459.2	6051.2	4928.0	4781.2	5375.5	5900.9	5961.0
37.5°	10323.0	10246.9	9944.5	9077.7	7593.7	6017.6	5326.0	5759.4	6298.9	6366.1
40°	11380.8	11345.4	11242.8	10671.5	9318.3	7443.3	6173.3	6353.7	6850.7	6930.3
42.5°	12212.1	12295.3	12353.6	12194.4	11096.0	9070.7	7312.4	7188.6	7620.2	7701.6
45°	13062.9	13091.2	13326.5	13556.4	12861.3	10772.3	8596.6	8166.8	8577.1	8678.0
47.5°	13609.5	13722.7	14136.6	14541.7	14345.4	12459.8	9976.3	9321.8	9686.2	9875.5
50°	13650.2	13864.2	14433.8	1513						

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4369.1	0°	4369.1	4369.1	4369.1	4369.1	4369.1	4369.1	4369.1	4369.1	4369.1	4369.1
4372.6	2.5°	4388.5	4392.0	4402.7	4404.4	4379.7	4347.8	4335.4	4330.1	4308.9	4307.1
4400.9	5°	4441.6	4457.5	4441.6	4395.6	4285.9	4132.0	4015.3	3919.8	3833.1	3806.6
4498.2	7.5°	4547.7	4563.6	4515.9	4335.4	4059.5	3753.5	3477.6	3283.0	3107.9	3042.4
4616.7	10°	4699.8	4721.1	4570.7	4206.3	3718.1	3226.4	2759.4	2430.4	2173.9	2069.6
4777.7	12.5°	4890.9	4899.7	4600.8	4010.0	3274.1	2571.9	1910.4	1558.4	1330.2	1245.3
4972.2	15°	5101.4	5089.0	4604.3	3742.9	2669.2	1818.4	1247.0	1024.2	932.2	903.9
5166.8	17.5°	5322.5	5271.2	4533.6	3357.3	2005.9	1243.5	925.1	872.0	856.1	849.0
5359.6	20°	5540.0	5425.1	4404.4	2853.2	1439.8	928.6	840.2	824.3	815.4	811.9
5554.2	22.5°	5738.1	5541.8	4183.3	2267.7	1045.4	820.7	794.2	780.1	764.1	757.1
5743.4	25°	5930.9	5609.0	3872.0	1721.1	836.7	767.7	746.5	719.9	698.7	689.9
5946.9	27.5°	6118.4	5651.5	3482.9	1273.6	746.5	718.2	679.2	642.1	626.2	622.6
6164.4	30°	6318.3	5665.6	3040.6	949.9	691.6	656.2	599.6	557.2	548.3	550.1
6458.1	32.5°	6562.4	5686.8	2594.9	778.3	645.6	582.0	514.7	470.5	463.4	470.5
6886.1	35°	6854.3	5729.3	2165.1	716.4	604.9	505.9	433.4	396.2	389.1	394.5
7434.5	37.5°	7250.5	5798.3	1763.5	704.0	571.3	442.2	364.4	334.3	334.3	336.1
8106.6	40°	7777.6	5982.2	1404.5	695.2	553.6	394.5	307.8	295.4	300.7	304.2
8962.8	42.5°	8419.7	6373.2	1162.1	684.5	534.2	373.2	279.5	274.2	283.0	286.6
9988.7	45°	9139.6	6868.4	1077.2	666.9	516.5	387.4	267.1	260.0	270.6	272.4
11138.4	47.5°	9884.3	7353.1	1066.6	647.4	498.8	408.6	263.6			

180°
4369.1
4310.7
3790.6
3015.9
2025.3
1218.7
903.9
847.3
808.4
755.3
686.3
619.1
550.1
468.7
392.7
334.3
304.2
286.6
274.2
263.6
252.9
238.8
224.6
208.7
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