

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: P851423

Luminaire Tested: **GLAN-SB9B-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851423
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-SB9B-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32741 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

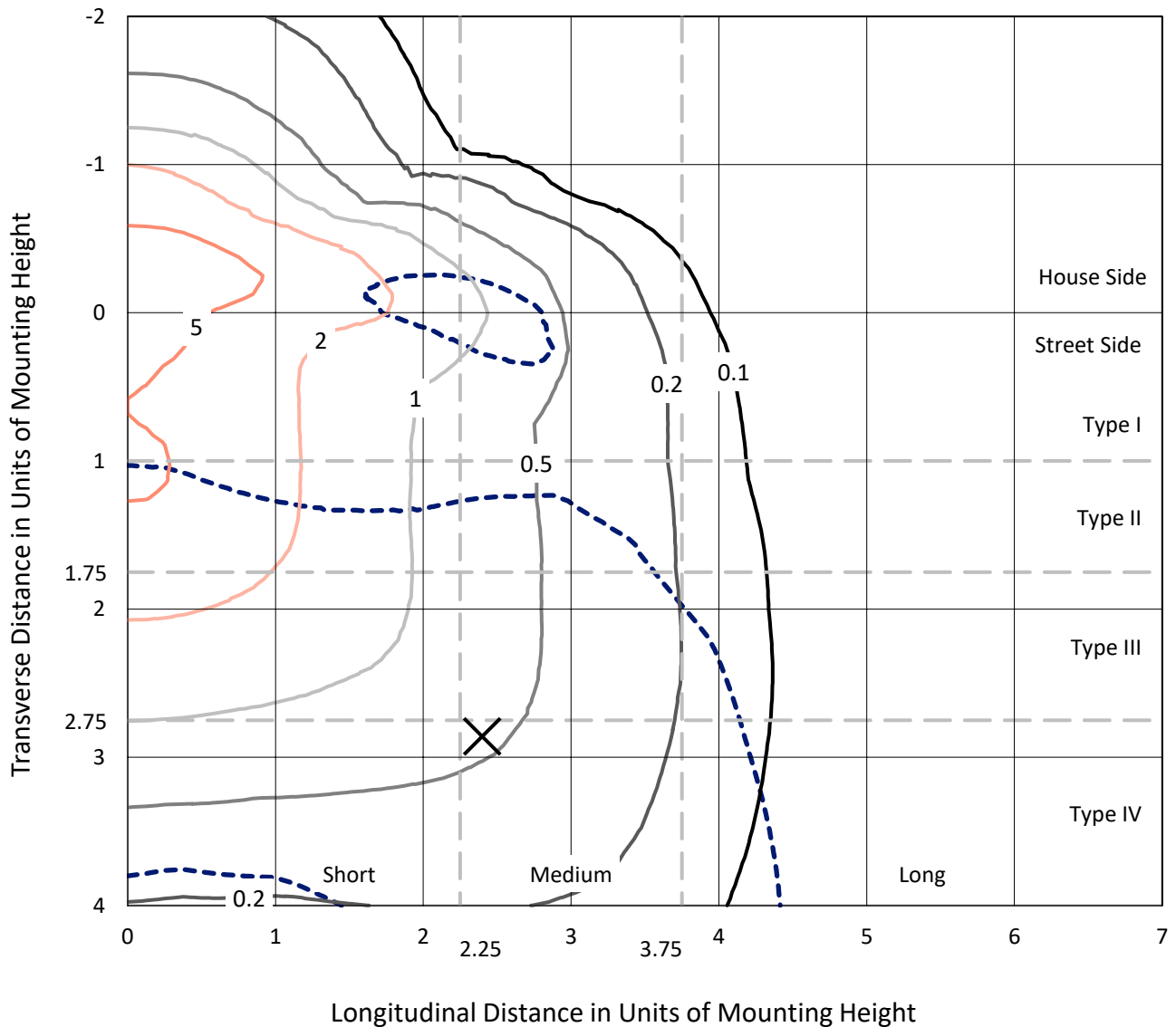
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

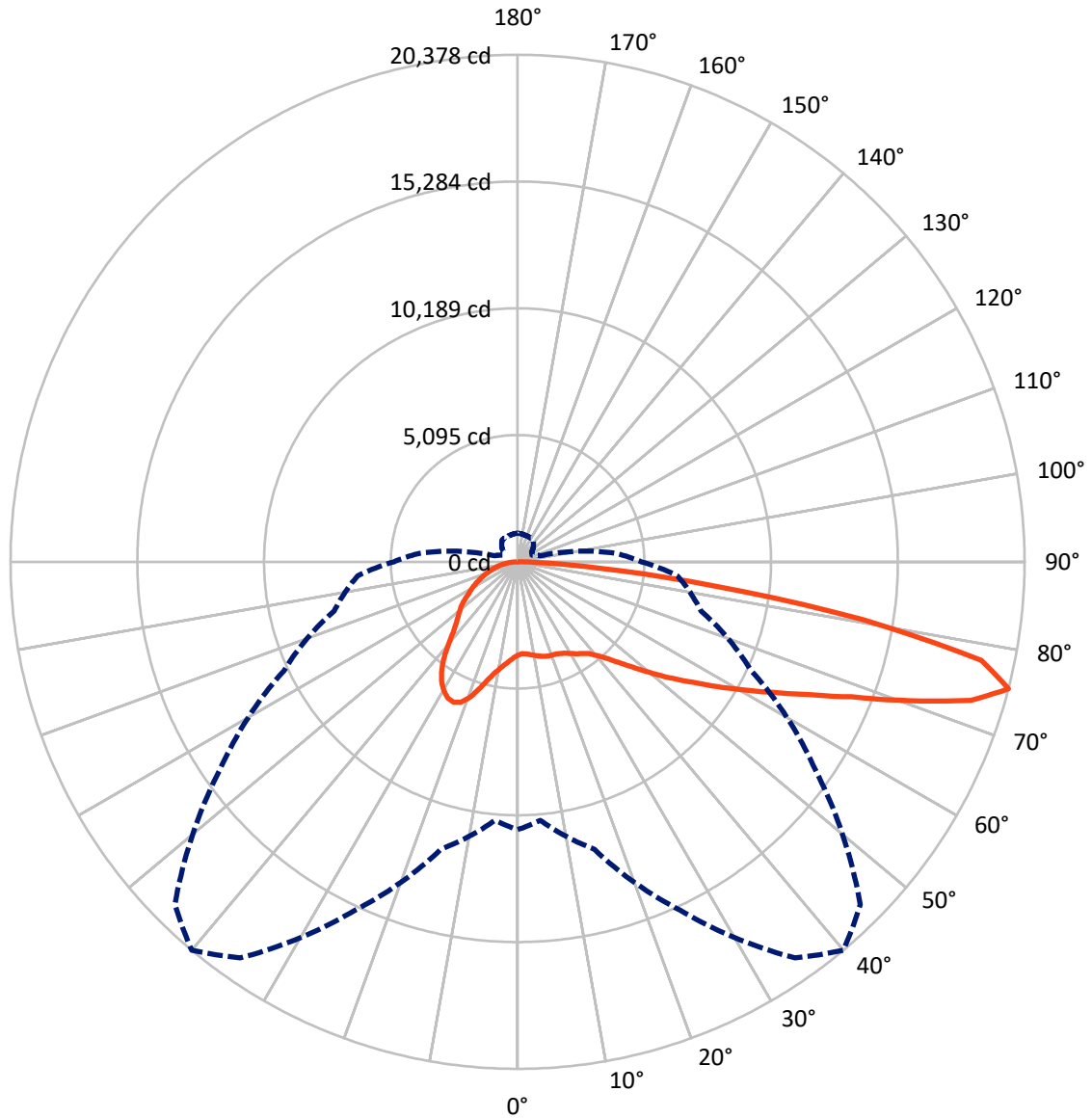
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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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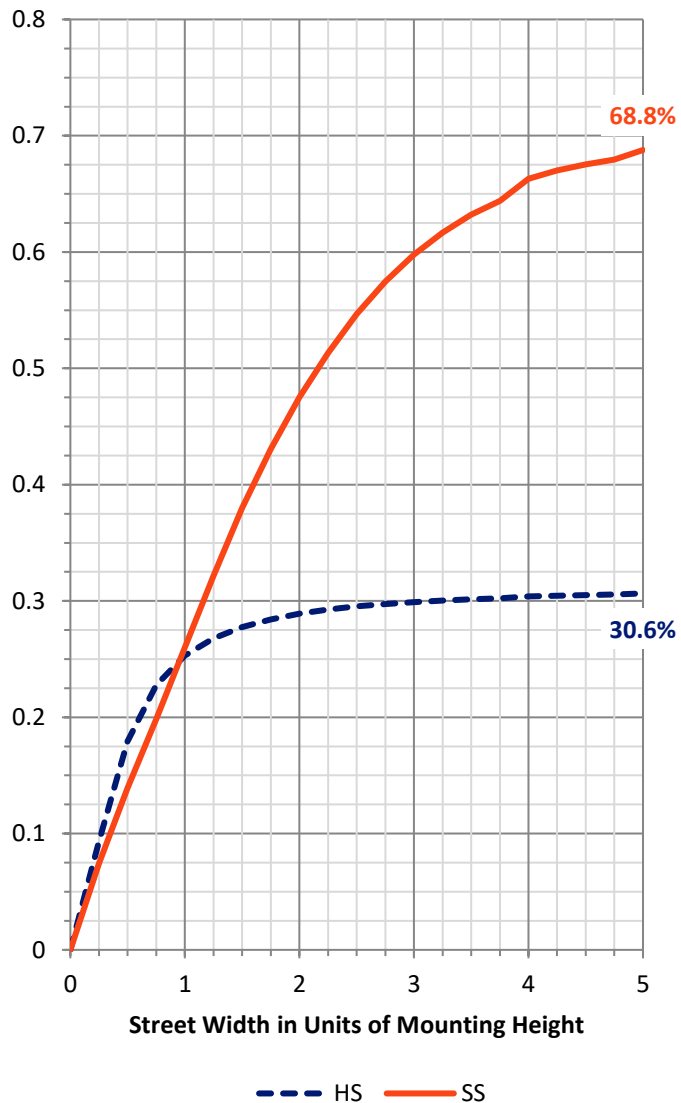
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10144.3	0.0	10144.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	22596.8	0.0	22596.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	32741.0	0.0	32741.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.7	1.1
10°-20°	1254.8	3.8
20°-30°	2291.1	7.0
30°-40°	3249.4	9.9
40°-50°	4387.6	13.4
50°-60°	5902.5	18.0
60°-70°	7491.7	22.9
70°-80°	6799.2	20.8
80°-90°	991.1	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°	32741.0	100.0
0°-180°	32741.0	100.0

Coefficient of Utilization

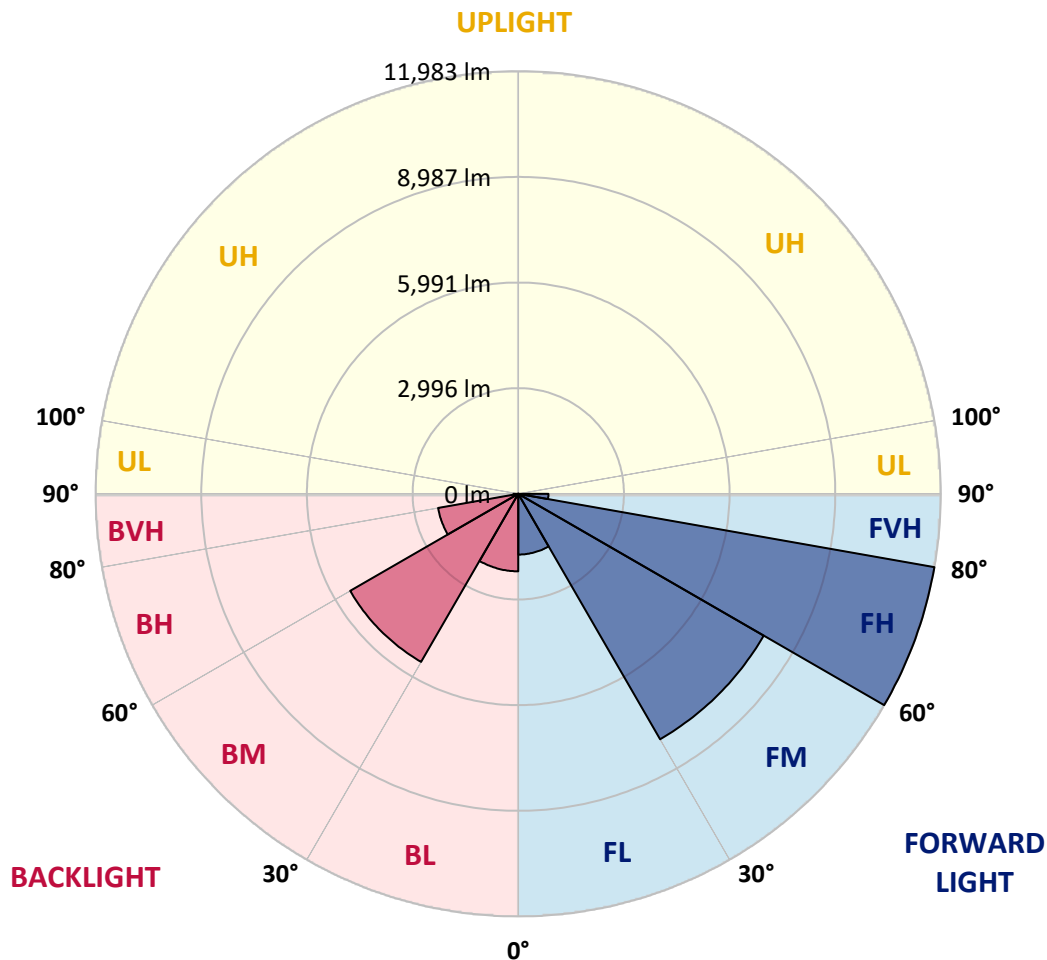


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1722.2	5.3			
FM (30°-60°)	8037.2	24.5			
FH (60°-80°)	11982.7	36.6			G4/12000
FVH (80°-90°)	854.7	2.6			G5
BL (0°-30°)	2197.3	6.7	B3/2500		
BM (30°-60°)	5502.3	16.8	B4/8500		
BH (60°-80°)	2308.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	136.5	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3744.0	3744.0	3744.0	3744.0	3744.0	3744.0	3744.0	3744.0	3744.0	3744.0
2.5°	3686.7	3707.5	3702.3	3695.4	3695.4	3697.1	3695.4	3707.5	3719.7	3731.8
5°	3724.9	3745.7	3735.3	3726.6	3719.7	3717.9	3712.7	3711.0	3717.9	3733.6
7.5°	3799.5	3820.4	3804.8	3789.1	3775.2	3768.3	3761.3	3750.9	3745.7	3754.4
10°	3882.9	3903.7	3884.6	3856.9	3834.3	3825.6	3818.6	3808.2	3801.3	3806.5
12.5°	3966.3	3987.1	3961.0	3922.8	3893.3	3888.1	3879.4	3876.0	3874.2	3872.5
15°	4044.4	4061.8	4028.8	3983.6	3952.4	3943.7	3935.0	3940.2	3948.9	3959.3
17.5°	4105.2	4122.5	4073.9	4014.9	3985.4	3981.9	3976.7	3994.0	4018.4	4044.4
20°	4160.7	4178.1	4115.6	4035.7	4001.0	4001.0	4002.7	4039.2	4073.9	4112.1
22.5°	4238.9	4252.8	4176.4	4067.0	4016.6	4020.1	4034.0	4070.4	4113.9	4166.0
25°	4355.2	4365.7	4271.9	4126.0	4068.7	4079.1	4091.3	4108.7	4150.3	4211.1
27.5°	4542.8	4551.5	4428.2	4230.2	4143.4	4160.7	4178.1	4166.0	4185.1	4237.2
30°	4806.7	4811.9	4655.7	4393.4	4270.1	4278.8	4282.3	4231.9	4195.5	4237.2
32.5°	5119.3	5117.6	4931.8	4591.4	4414.3	4405.6	4376.1	4277.1	4192.0	4228.5
35°	5603.8	5584.7	5345.1	4869.3	4577.5	4523.7	4454.2	4327.5	4209.4	4219.8
37.5°	6406.1	6347.0	6015.4	5324.2	4820.6	4683.4	4581.0	4409.1	4247.6	4216.3
40°	7310.8	7236.2	6871.5	5947.6	5185.3	4964.8	4799.8	4525.4	4310.1	4231.9
42.5°	8384.0	8278.1	7885.6	6682.2	5647.2	5327.7	5079.4	4673.0	4402.1	4282.3
45°	9702.0	9561.4	9005.7	7510.5	6229.0	5803.5	5471.8	4897.0	4542.8	4379.6
47.5°	11034.0	11068.7	10278.6	8458.7	6927.1	6390.5	5963.3	5233.9	4747.7	4535.8
50°	12449.2	12473.6	11544.5	9509.3	7718.9	7053.8	6515.5	5610.8	5032.5	4758.1
52.5°	13553.7	13557.2	12694.1	10608.5	8543.8	7783.2	7111.1	6041.4	5362.4	5053.3
55°	14244.8	14236.1	13499.9	11648.7	9491.9	8549.0	7771.0	6531.1	5765.3	5400.6
57.5°	14746.7	14720.6	14055.5	12543.0	10502.6	9453.7	8517.7	7086.8	6241.1	5813.9
60°	14937.7	14922.1	14432.4	13315.8	11565.3	10454.0	9379.0	7708.5	6781.2	6301.9
62.5°	15010.6	15040.2	14802.3	14064.2	12702.8	11561.9	10325.5	8451.7	7389.0	6854.1
65°	15267.6	15321.5	15272.9	15043.6	13987.8	12859.1	11581.0	9335.6	8052.3	7446.3
67.5°	15776.5	15830.3	15851.1	16215.8	15557.6	14475.8	13147.3	10436.6	8828.6	8061.0
70°	15764.3	15748.7	16116.8	17148.3	17523.4	16714.2	15259.0	11791.1	9754.1	8571.6
72.5°	14349.0	14224.0	15094.0	17137.9	19159.2	19051.6	17837.7	13538.1	10552.9	8634.1
75°	10764.8	10431.4	11968.2	15444.8	19431.9	20378.3	19477.0	14621.7	10363.7	7628.6
77.5°	4603.6	4268.4	6079.6	11433.4	17391.4	19049.8	17973.2	12756.6	8272.9	5044.6
80°	1205.2	1203.4	1837.3	5183.6	11827.6	14067.7	12341.6	8238.1	4726.9	1802.5
82.5°	498.4	486.2	675.5	2016.1	5779.2	7894.3	6442.6	3674.5	1707.0	488.0
85°	185.8	184.1	328.2	696.4	2038.7	3256.0	2356.5	939.5	425.5	237.9
87.5°	52.1	50.4	71.2	241.4	496.7	753.7	402.9	154.6	119.8	93.8
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°
3744.0	0°	3744.0	3744.0	3744.0	3744.0	3744.0	3744.0	3744.0	3744.0	3744.0	3744.0
3750.9	2.5°	3756.1	3764.8	3780.4	3792.6	3808.2	3825.6	3849.9	3865.5	3881.2	3891.6
3759.6	5°	3771.8	3790.9	3830.8	3870.7	3917.6	3961.0	4011.4	4047.9	4077.4	4086.1
3790.9	7.5°	3806.5	3837.8	3905.5	3973.2	4047.9	4119.1	4192.0	4254.5	4304.9	4324.0
3846.4	10°	3867.3	3908.9	4004.5	4100.0	4199.0	4308.4	4402.1	4492.4	4563.6	4593.1
3912.4	12.5°	3943.7	3995.8	4120.8	4252.8	4390.0	4541.0	4662.6	4773.7	4862.3	4902.2
4004.5	15°	4042.7	4110.4	4270.1	4447.3	4648.7	4858.8	5013.4	5136.7	5235.7	5284.3
4100.0	17.5°	4150.3	4240.6	4442.1	4709.5	4997.8	5273.9	5454.5	5544.8	5647.2	5694.1
4188.5	20°	4254.5	4365.7	4653.9	5042.9	5426.7	5720.2	5866.0	5890.3	5897.3	5902.5
4271.9	22.5°	4362.2	4511.5	4919.6	5463.2	5874.7	6077.9	6098.7	5994.5	5848.7	5780.9
4353.5	25°	4480.3	4678.2	5266.9	5926.8	6260.2	6284.5	6124.8	5871.2	5595.1	5468.4
4419.5	27.5°	4594.9	4871.0	5683.7	6369.6	6538.1	6324.5	5980.6	5621.2	5287.8	5154.0
4466.4	30°	4709.5	5091.5	6143.9	6756.9	6664.8	6225.5	5753.2	5352.0	5016.9	4876.2
4508.1	32.5°	4825.8	5348.5	6673.5	7036.5	6642.3	6015.4	5470.1	5049.9	4754.6	4607.0
4544.5	35°	4957.8	5664.6	7175.4	7189.3	6491.2	5706.3	5096.7	4688.7	4431.6	4313.6
4587.9	37.5°	5129.7	6065.7	7618.2	7227.5	6227.2	5253.0	4633.1	4261.5	4049.6	3995.8
4652.2	40°	5343.3	6548.5	7956.8	7166.7	5836.5	4702.5	4126.0	3829.1	3709.2	3721.4
4739.0	42.5°	5621.2	7088.6	8194.7	7010.4	5293.0	4134.7	3681.5	3549.5	3606.8	3655.4
4869.3	45°	5982.4	7649.5	8342.3	6744.7	4678.2	3653.7	3419.2	3450.5	3493.9	3499.1
5079.4	47.5°	6444.3	8217.3	8439.6	6343.6	4051.3	3315.1	3252.5	3259.5	3250.8	3214.3
5393.7	50°	7020.8	8769.5	8526.4	5812.2	3518.2	3103.2	3019.8	2995.5	2875.7	2757.6
5812.2	52.5°	7677.2	9276.6	8562.9	5152.3	3103.2	2926.1	2790.6	2637.8	2413.8	2377.3
6338.4	55°	8406.6	9745.5	8469.1	4341.3	2754.2	2698.6	2493.7	2309.6	2285.3	2254.0
7031.2	57.5°	9278.3	10250.8	8278.1	3436.6	2396.4	2432.9	2233.2	2254.0	2210.6	2162.0
7922.1	60°	10231.7	10773.5	7942.9	2611.8	2026.5	2101.2	2165.5	2163.7	2151.6	2111.6
8861.6	62.5°	11089.5	11117.3	7283.0	2000.5	1701.8	1844.2	2019.6	2017.9	2007.4	1984.9
9842.7	65°	11600.1	11065.2	6182.1	1575.0	1434.4	1632.3	1821.6	1835.5	1837.3	1835.5
10580.7	67.5°	11509.8	10455.7	4671.3	1253.8	1213.8	1417.0	1625.4	1644.5	1658.4	1661.9
10674.5	70°	10488.7	9116.8	3045.9	1000.2	1017.6	1227.7	1439.6	1458.7	1470.8	1484.7
9262.7	72.5°	8175.6	6703.0	1743.5	809.2	845.7	1064.5	1255.5	1278.1	1285.0	1311.1
6446.0	75°	4982.1	3941.9	941.2	637.3	694.6	909.9	1073.2	1099.2	1111.4	1142.6
3165.7	77.5°	2368.6	1707.0	536.6	496.7	559.2	743.2	906.5	936.0	903.0	920.4
873.5	80°	800.5	633.8	338.6	378.6	427.2	580.0	725.9	755.4	685.9	682.5
290.0	82.5°	279.6	257.0	215.3	251.8	276.1	415.0	548.7	587.0	510.5	508.8
130.2	85°	109.4	104.2	119.8	137.2	165.0	255.3	361.2	380.3	314.3	253.5
38.2	87.5°	22.6	24.3	29.5	31.3	50.4	88.6	130.2	159.8	126.8	107.7
0.0	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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180°
3744.0
3884.6
4089.5
4325.7
4594.9
4902.2
5280.8
5692.4
5916.4
5800.0
5487.5
5169.7
4891.8
4626.1
4339.6
4034.0
3763.1
3700.6
3533.9
3242.1
2773.3
2389.5
2259.2
2153.3
2097.7
1976.2
1835.5
1665.3
1491.7
1321.5
1146.1
906.5
675.5
484.5
250.1
99.0
0.0

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