

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: P849963

Luminaire Tested: **GLAN-SB7B-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849963
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-SB7B-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 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: 38346 lumens
Efficiency: N/A
Efficacy: 149.4 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

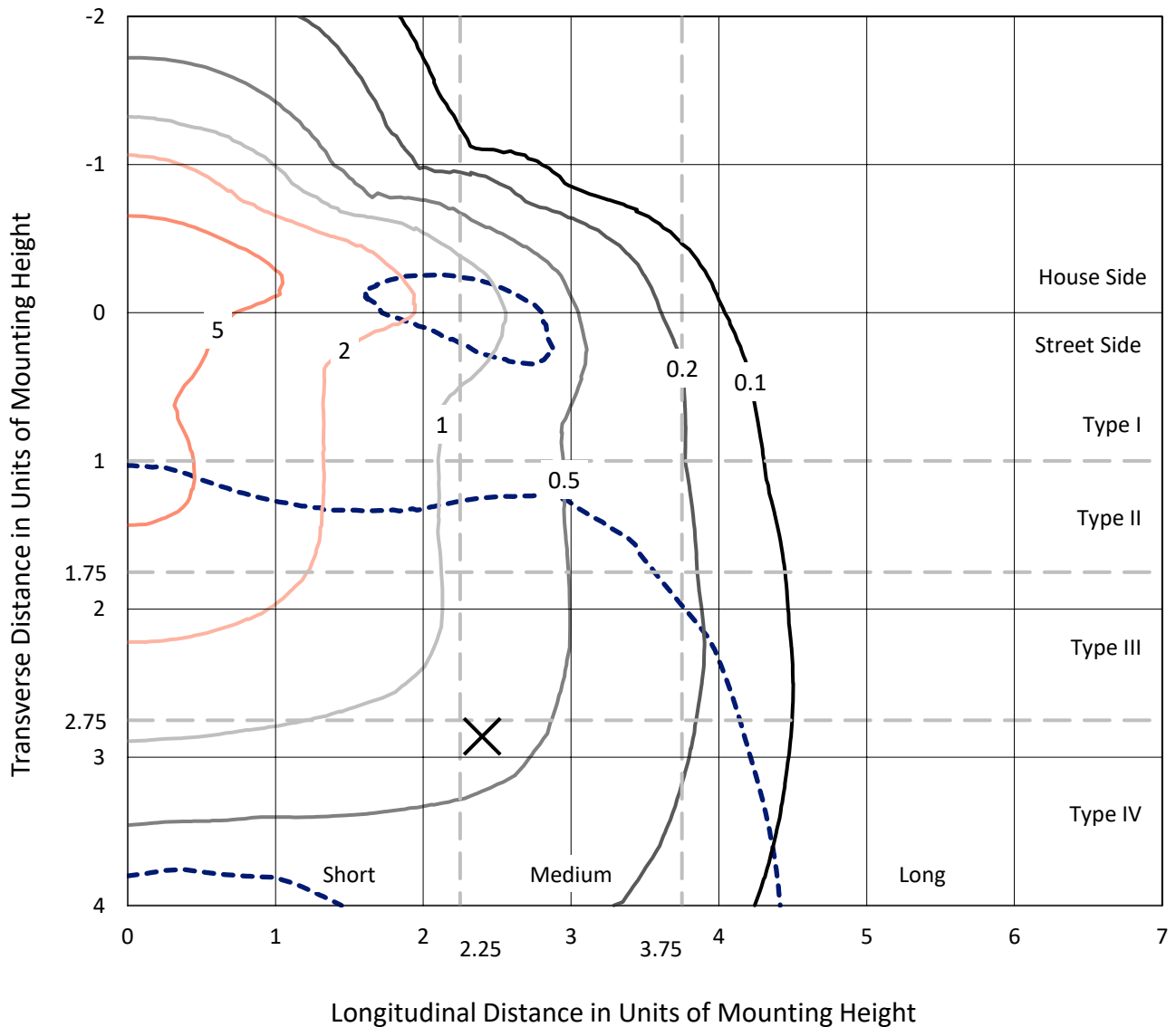
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

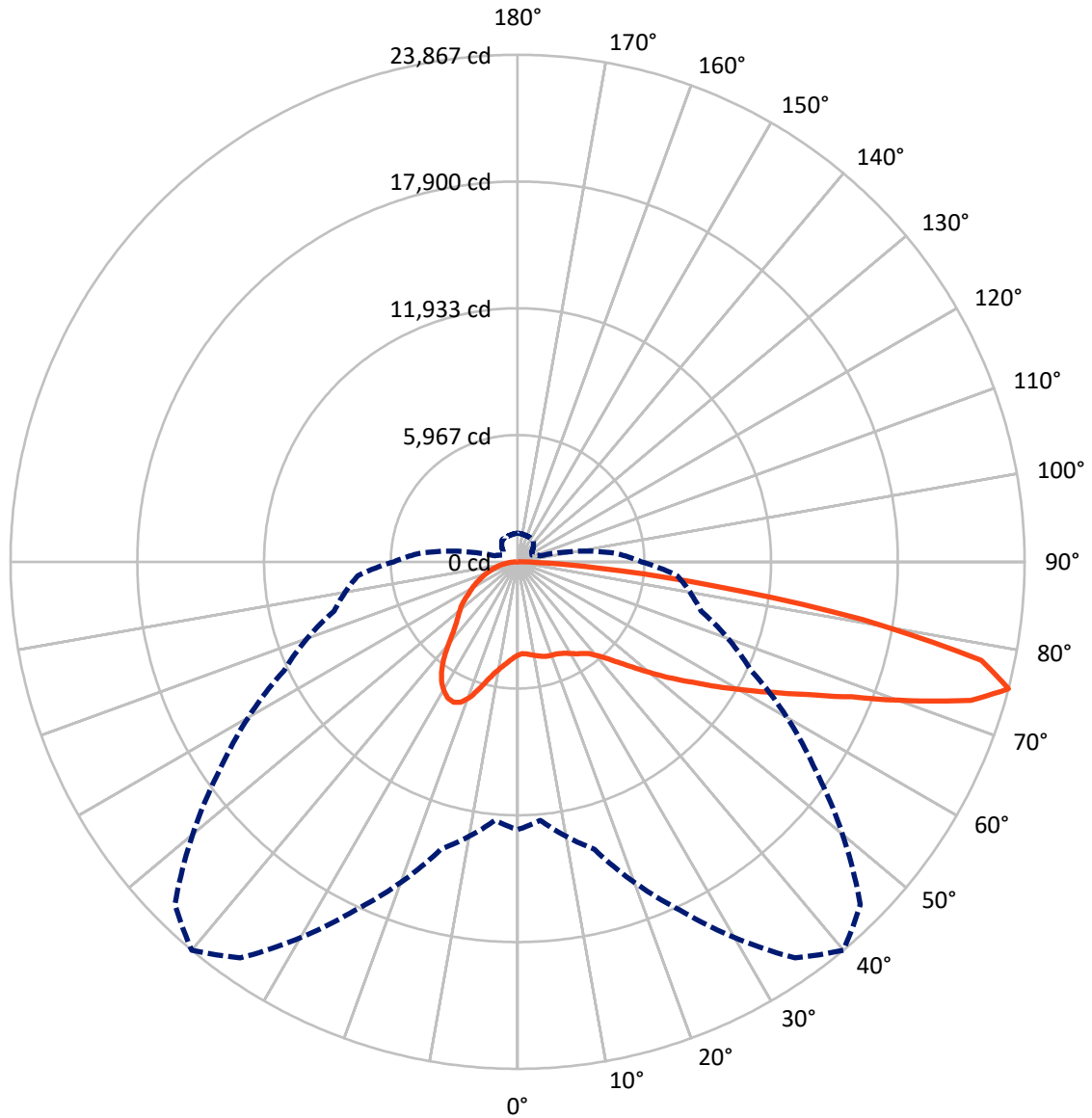
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	11880.9	0.0	11880.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	26465.1	0.0	26465.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	38346.0	0.0	38346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.7	1.1
10°-20°	1469.6	3.8
20°-30°	2683.3	7.0
30°-40°	3805.6	9.9
40°-50°	5138.8	13.4
50°-60°	6913.0	18.0
60°-70°	8774.2	22.9
70°-80°	7963.1	20.8
80°-90°	1160.8	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°	38346.0	100.0
0°-180°	38346.0	100.0

Coefficient of Utilization

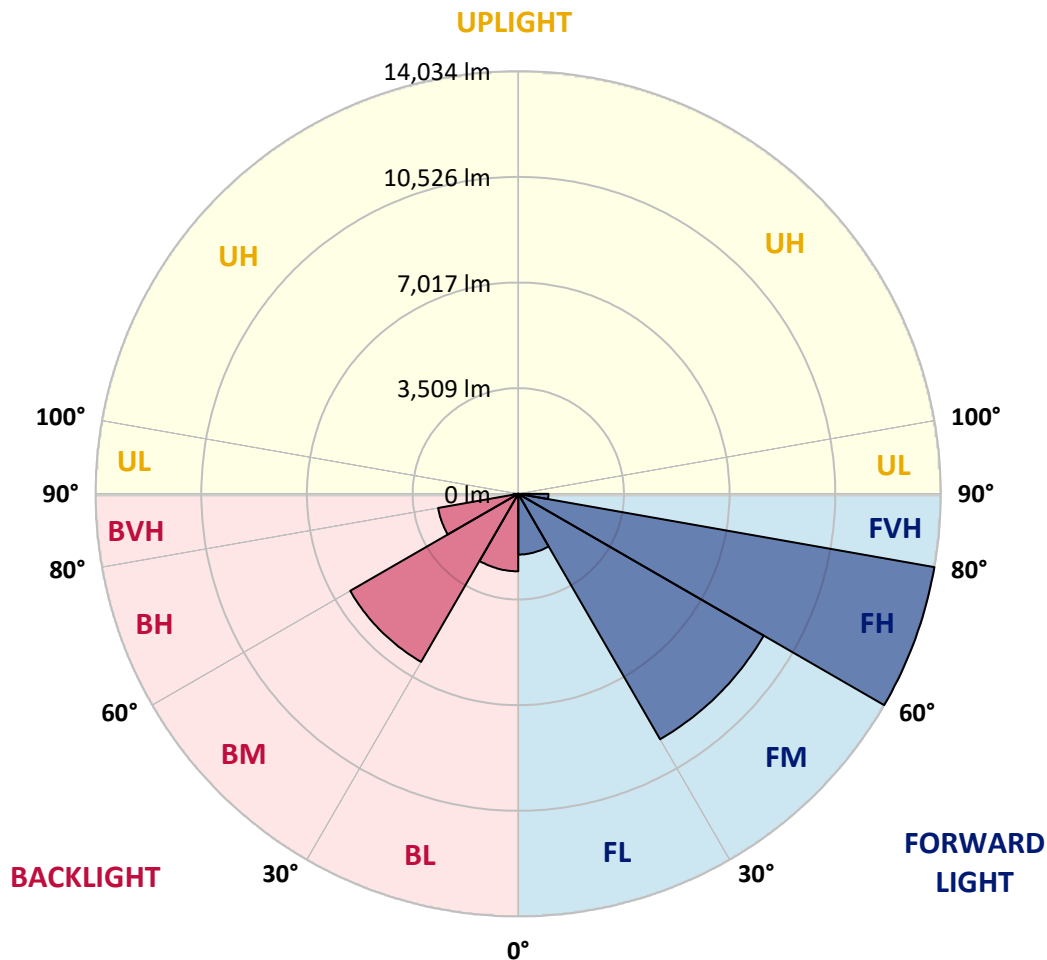


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2017.0	5.3			
FM (30°-60°)	9413.1	24.5			
FH (60°-80°)	14034.0	36.6			G5
FVH (80°-90°)	1001.0	2.6			G5
BL (0°-30°)	2573.5	6.7	B4/5000		
BM (30°-60°)	6444.3	16.8	B4/8500		
BH (60°-80°)	2703.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	159.8	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°	4384.9	4384.9	4384.9	4384.9	4384.9	4384.9	4384.9	4384.9	4384.9	4384.9
2.5°	4317.8	4342.2	4336.1	4328.0	4328.0	4330.0	4328.0	4342.2	4356.4	4370.7
5°	4362.5	4387.0	4374.7	4364.6	4356.4	4354.4	4348.3	4346.3	4354.4	4372.7
7.5°	4450.0	4474.4	4456.1	4437.8	4421.5	4413.4	4405.3	4393.1	4387.0	4397.1
10°	4547.6	4572.0	4549.7	4517.1	4490.7	4480.5	4472.4	4460.2	4452.0	4458.1
12.5°	4645.2	4669.7	4639.1	4594.4	4559.8	4553.7	4543.6	4539.5	4537.5	4535.4
15°	4736.8	4757.1	4718.5	4665.6	4629.0	4618.8	4608.6	4614.7	4624.9	4637.1
17.5°	4808.0	4828.3	4771.3	4702.2	4667.6	4663.5	4657.4	4677.8	4706.3	4736.8
20°	4873.0	4893.4	4820.2	4726.6	4685.9	4685.9	4688.0	4730.7	4771.3	4816.1
22.5°	4964.6	4980.8	4891.3	4763.2	4704.2	4708.3	4724.6	4767.3	4818.1	4879.1
25°	5100.8	5113.0	5003.2	4832.4	4765.2	4777.4	4791.7	4812.0	4860.8	4932.0
27.5°	5320.5	5330.6	5186.2	4954.4	4852.7	4873.0	4893.4	4879.1	4901.5	4962.5
30°	5629.6	5635.7	5452.7	5145.6	5001.2	5011.3	5015.4	4956.4	4913.7	4962.5
32.5°	5995.7	5993.7	5776.0	5377.4	5170.0	5159.8	5125.2	5009.3	4909.6	4952.4
35°	6563.1	6540.8	6260.1	5702.8	5361.1	5298.1	5216.7	5068.3	4930.0	4942.2
37.5°	7502.8	7433.6	7045.2	6235.7	5645.9	5485.2	5365.2	5163.9	4974.7	4938.1
40°	8562.4	8474.9	8047.8	6965.8	6073.0	5814.7	5621.5	5300.1	5047.9	4956.4
42.5°	9819.3	9695.2	9235.6	7826.1	6614.0	6239.8	5948.9	5473.0	5155.7	5015.4
45°	11363.0	11198.2	10547.4	8796.3	7295.3	6797.0	6408.6	5735.4	5320.5	5129.3
47.5°	12922.9	12963.6	12038.2	9906.7	8112.9	7484.5	6984.1	6129.9	5560.5	5312.3
50°	14580.5	14608.9	13520.8	11137.2	9040.3	8261.4	7630.9	6571.3	5894.0	5572.7
52.5°	15874.0	15878.0	14867.2	12424.6	10006.4	9115.6	8328.5	7075.7	6280.4	5918.4
55°	16683.4	16673.3	15810.9	13642.9	11116.9	10012.5	9101.3	7649.2	6752.3	6325.2
57.5°	17271.2	17240.7	16461.7	14690.3	12300.5	11072.1	9975.9	8300.0	7309.5	6809.2
60°	17494.9	17476.6	16903.1	15595.3	13545.2	12243.6	10984.7	9028.1	7942.1	7380.7
62.5°	17580.3	17614.9	17336.3	16471.9	14877.4	13541.2	12093.1	9898.6	8653.9	8027.5
65°	17881.3	17944.4	17887.4	17619.0	16382.4	15060.4	13563.5	10933.8	9430.8	8721.0
67.5°	18477.3	18540.3	18564.7	18991.8	18221.0	16953.9	15398.1	12223.3	10339.9	9441.0
70°	18463.0	18444.7	18875.9	20084.0	20523.3	19575.5	17871.2	13809.6	11424.0	10038.9
72.5°	16805.5	16659.0	17678.0	20071.8	22439.1	22313.0	20891.4	15855.7	12359.5	10112.2
75°	12607.7	12217.2	14017.1	18088.8	22758.4	23866.9	22811.3	17124.8	12137.8	8934.6
77.5°	5391.7	4999.1	7120.4	13390.7	20368.7	22311.0	21050.0	14940.4	9689.1	5908.2
80°	1411.5	1409.4	2151.8	6071.0	13852.3	16476.0	14454.4	9648.4	5536.1	2111.1
82.5°	583.7	569.5	791.2	2361.3	6768.6	9245.7	7545.5	4303.6	1999.2	571.5
85°	217.6	215.6	384.4	815.6	2387.7	3813.4	2759.9	1100.3	498.3	278.6
87.5°	61.0	59.0	83.4	282.7	581.7	882.7	471.8	181.0	140.3	109.8
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°
4384.9	0°	4384.9	4384.9	4384.9	4384.9	4384.9	4384.9	4384.9	4384.9	4384.9	4384.9
4393.1	2.5°	4399.2	4409.3	4427.6	4441.9	4460.2	4480.5	4509.0	4527.3	4545.6	4557.8
4403.2	5°	4417.5	4439.8	4486.6	4533.4	4588.3	4639.1	4698.1	4740.8	4775.4	4785.6
4439.8	7.5°	4458.1	4494.7	4574.1	4653.4	4740.8	4824.2	4909.6	4982.9	5041.8	5064.2
4504.9	10°	4529.3	4578.1	4690.0	4801.8	4917.8	5045.9	5155.7	5261.5	5344.9	5379.5
4582.2	12.5°	4618.8	4679.8	4826.3	4980.8	5141.5	5318.4	5460.8	5591.0	5694.7	5741.5
4690.0	15°	4734.7	4814.1	5001.2	5208.6	5444.5	5690.6	5871.6	6016.0	6132.0	6188.9
4801.8	17.5°	4860.8	4966.6	5202.5	5515.7	5853.3	6176.7	6388.2	6494.0	6614.0	6668.9
4905.6	20°	4982.9	5113.0	5450.6	5906.2	6355.7	6699.4	6870.2	6898.7	6906.9	6913.0
5003.2	22.5°	5109.0	5283.9	5761.8	6398.4	6880.4	7118.4	7142.8	7020.7	6849.9	6770.6
5098.8	25°	5247.3	5479.1	6168.6	6941.4	7331.9	7360.4	7173.3	6876.3	6553.0	6404.5
5176.1	27.5°	5381.5	5704.9	6656.7	7460.1	7657.3	7407.2	7004.5	6583.5	6193.0	6036.4
5231.0	30°	5515.7	5963.2	7195.7	7913.6	7805.8	7291.2	6738.0	6268.2	5875.7	5711.0
5279.8	32.5°	5652.0	6264.2	7816.0	8241.0	7779.4	7045.2	6406.5	5914.3	5568.6	5395.7
5322.5	35°	5806.6	6634.3	8403.7	8420.0	7602.4	6683.1	5969.3	5491.3	5190.3	5052.0
5373.4	37.5°	6007.9	7104.1	8922.4	8464.8	7293.3	6152.3	5426.2	4991.0	4742.9	4679.8
5448.6	40°	6258.1	7669.5	9319.0	8393.6	6835.7	5507.6	4832.4	4484.6	4344.2	4358.5
5550.3	42.5°	6583.5	8302.1	9597.6	8210.5	6199.1	4842.5	4311.7	4157.1	4224.2	4281.2
5702.8	45°	7006.5	8959.0	9770.5	7899.4	5479.1	4279.2	4004.6	4041.2	4092.0	4098.1
5948.9	47.5°	7547.5	9624.0	9884.4	7429.5	4744.9	3882.6	3809.3	3817.5	3807.3	3764.6
6317.0	50°	8222.7	10270.8	9986.1	6807.2	4120.5	3634.4	3536.8	3508.3	3368.0	3229.7
6807.2	52.5°	8991.5	10864.7	10028.8	6034.3	3634.4	3427.0	3268.3	3089.4	2827.0	2784.3
7423.4	55°	9845.7	11413.8	9918.9	5084.6	3225.6	3160.6	2920.6	2705.0	2676.5	2639.9
8234.9	57.5°	10866.7	12005.6	9695.2	4024.9	2806.7	2849.4	2615.5	2639.9	2589.1	2532.1
9278.3	60°	11983.3	12617.8	9302.7	3058.9	2373.5	2460.9	2536.2	2534.1	2519.9	2473.1
10378.6	62.5°	12988.0	13020.5	8529.8	2343.0	1993.1	2159.9	2365.3	2363.3	2351.1	2324.7
11527.7	65°	13585.9	12959.5	7240.4	1844.7	1679.9	1911.8	2133.5	2149.7	2151.8	2149.7
12392.1	67.5°	13480.2	12245.6	5471.0	1468.4	1421.6	1659.6	1903.7	1926.0	1942.3	1946.4
12501.9	70°	12284.3	10677.6	3567.3	1171.5	1191.8	1437.9	1686.0	1708.4	1722.6	1738.9
10848.4	72.5°	9575.2	7850.5	2042.0	947.8	990.5	1246.7	1470.5	1496.9	1505.0	1535.5
7549.5	75°	5835.0	4616.8	1102.3	746.4	813.5	1065.7	1256.9	1287.4	1301.6	1338.3
3707.7	77.5°	2774.1	1999.2	628.5	581.7	654.9	870.5	1061.7	1096.2	1057.6	1077.9
1023.0	80°	937.6	742.3	396.6	443.4	500.3	679.3	850.1	884.7	803.4	799.3
339.6	82.5°	327.4	301.0	252.2	294.9	323.4	486.1	642.7	687.4	597.9	595.9
152.5	85°	128.1	122.0	140.3	160.7	193.2	299.0	423.0	445.4	368.1	296.9
44.7	87.5°	26.4	28.5	34.6	36.6	59.0	103.7	152.5	187.1	148.5	126.1
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°
4384.9
4549.7
4789.6
5066.2
5381.5
5741.5
6184.8
6666.9
6929.2
6793.0
6426.9
6054.7
5729.3
5418.1
5082.5
4724.6
4407.3
4334.1
4138.8
3797.1
3248.0
2798.5
2646.0
2521.9
2456.9
2314.5
2149.7
1950.4
1747.1
1547.7
1342.3
1061.7
791.2
567.4
292.9
115.9
0.0

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