

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: P850913

Luminaire Tested: **GLAN-SB8C-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850913
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-SB8C-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38658 lumens
Efficiency: N/A
Efficacy: 96.7 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

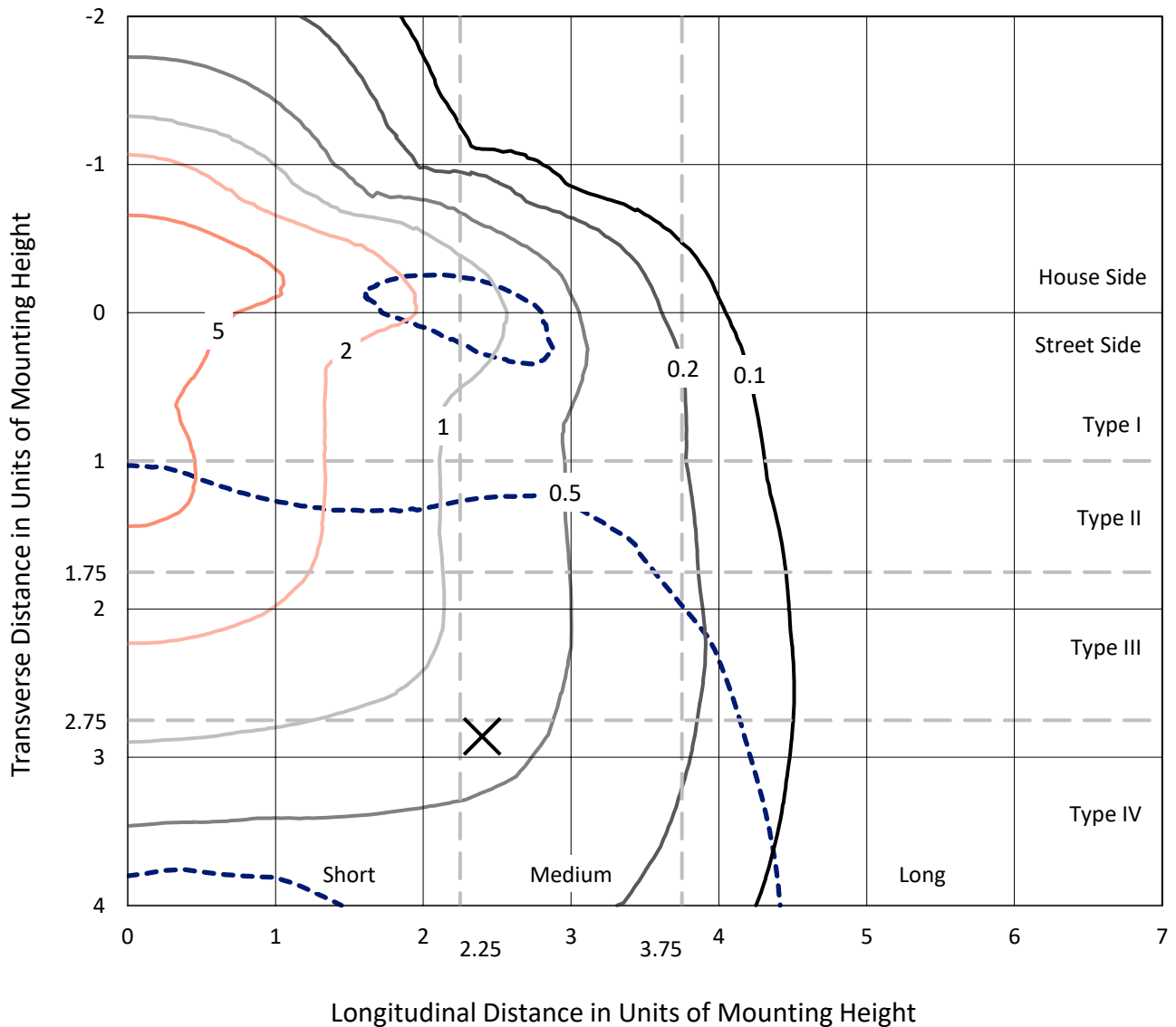
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

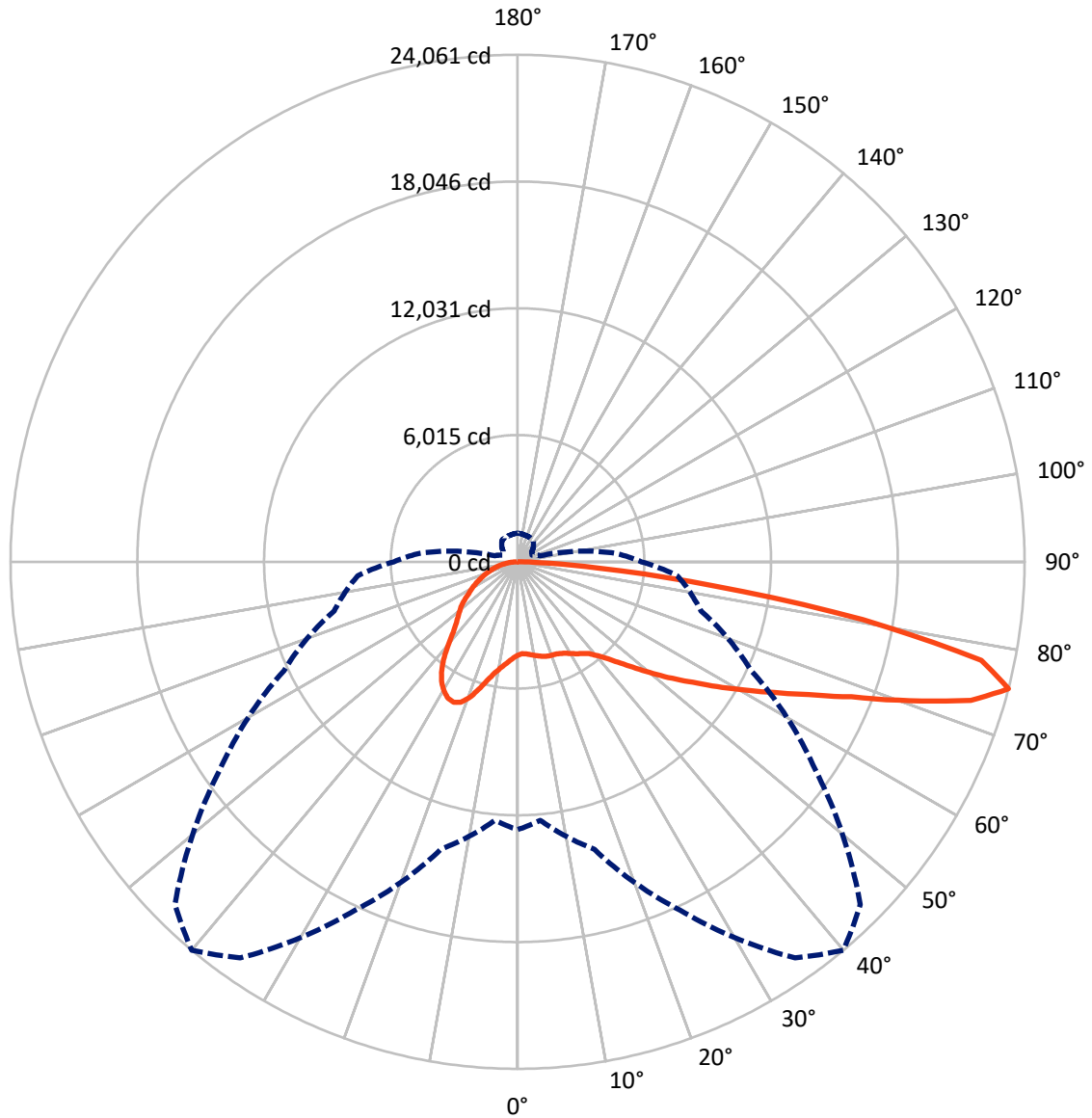
× Max cd
 - - - 1/2 Max cd



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	11977.5	0.0	11977.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	26680.5	0.0	26680.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	38658.0	0.0	38658.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.3	1.1
10°-20°	1481.5	3.8
20°-30°	2705.1	7.0
30°-40°	3836.6	9.9
40°-50°	5180.6	13.4
50°-60°	6969.2	18.0
60°-70°	8845.6	22.9
70°-80°	8027.9	20.8
80°-90°	1170.2	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°	38658.0	100.0
0°-180°	38658.0	100.0

Coefficient of Utilization

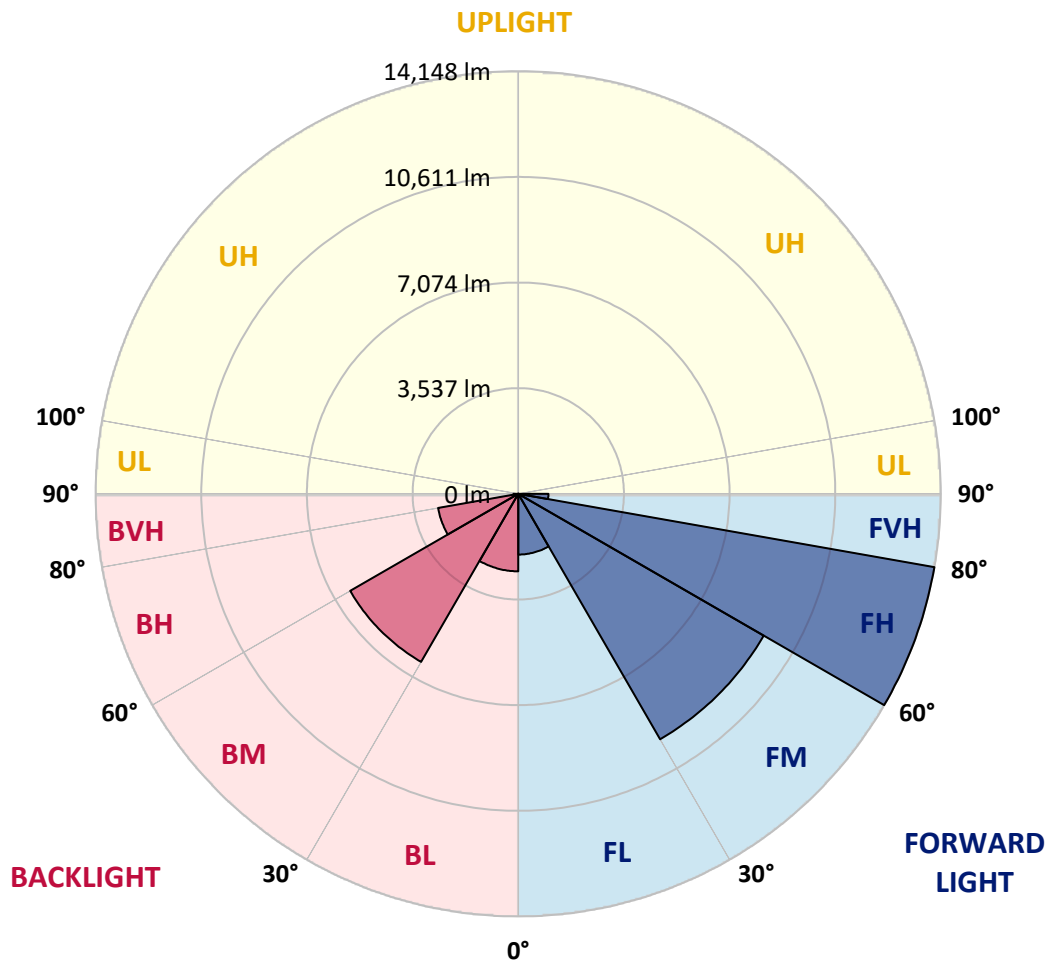


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2033.4	5.3			
FM (30°-60°)	9489.7	24.5			
FH (60°-80°)	14148.2	36.6			G5
FVH (80°-90°)	1009.1	2.6			G5
BL (0°-30°)	2594.4	6.7	B4/5000		
BM (30°-60°)	6496.7	16.8	B4/8500		
BH (60°-80°)	2725.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	161.1	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°	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6
2.5°	4352.9	4377.5	4371.4	4363.2	4363.2	4365.2	4363.2	4377.5	4391.9	4406.2
5°	4398.0	4422.6	4410.3	4400.1	4391.9	4389.8	4383.7	4381.6	4389.8	4408.3
7.5°	4486.2	4510.8	4492.4	4473.9	4457.5	4449.3	4441.1	4428.8	4422.6	4432.9
10°	4584.6	4609.2	4586.7	4553.9	4527.2	4517.0	4508.8	4496.5	4488.3	4494.4
12.5°	4683.0	4707.6	4676.9	4631.8	4596.9	4590.8	4580.5	4576.4	4574.4	4572.3
15°	4775.3	4795.8	4756.9	4703.5	4666.6	4656.4	4646.1	4652.3	4662.5	4674.8
17.5°	4847.1	4867.6	4810.2	4740.5	4705.6	4701.5	4695.3	4715.8	4744.6	4775.3
20°	4912.7	4933.2	4859.4	4765.1	4724.0	4724.0	4726.1	4769.2	4810.2	4855.3
22.5°	5004.9	5021.4	4931.1	4802.0	4742.5	4746.6	4763.0	4806.1	4857.3	4918.8
25°	5142.3	5154.6	5043.9	4871.7	4804.0	4816.3	4830.7	4851.2	4900.4	4972.1
27.5°	5363.8	5374.0	5228.4	4994.7	4892.2	4912.7	4933.2	4918.8	4941.4	5002.9
30°	5675.4	5681.6	5497.0	5187.4	5041.9	5052.1	5056.2	4996.7	4953.7	5002.9
32.5°	6044.5	6042.4	5823.0	5421.2	5212.0	5201.8	5166.9	5050.1	4949.6	4992.6
35°	6616.5	6594.0	6311.0	5749.2	5404.8	5341.2	5259.2	5109.5	4970.1	4982.4
37.5°	7563.8	7494.1	7102.5	6286.4	5691.8	5529.8	5408.9	5205.9	5015.2	4978.3
40°	8632.1	8543.9	8113.3	7022.5	6122.4	5862.0	5667.2	5343.3	5089.0	4996.7
42.5°	9899.2	9774.1	9310.7	7889.8	6667.8	6290.5	5997.3	5517.5	5197.7	5056.2
45°	11455.4	11289.3	10633.2	8867.8	7354.7	6852.3	6460.7	5782.0	5363.8	5171.0
47.5°	13028.0	13069.0	12136.1	9987.3	8178.9	7545.4	7041.0	6179.8	5605.7	5355.6
50°	14699.1	14727.8	13630.8	11227.8	9113.9	8328.6	7693.0	6624.7	5942.0	5618.0
52.5°	16003.1	16007.2	14988.2	12525.7	10087.8	9189.8	8396.3	7133.2	6331.5	5966.6
55°	16819.2	16808.9	15939.6	13753.9	11207.3	10094.0	9175.4	7711.4	6807.2	6376.6
57.5°	17411.7	17381.0	16595.7	14809.8	12400.6	11162.2	10057.1	8367.6	7369.0	6864.6
60°	17637.3	17618.8	17040.6	15722.2	13655.5	12343.2	11074.0	9101.6	8006.7	7440.8
62.5°	17723.4	17758.2	17477.3	16605.9	14998.4	13651.4	12191.5	9979.1	8724.3	8092.8
65°	18026.8	18090.4	18033.0	17762.3	16515.7	15183.0	13673.9	11022.8	9507.6	8792.0
67.5°	18627.6	18691.2	18715.8	19146.3	18369.2	17091.9	15523.3	12322.7	10424.1	9517.8
70°	18613.2	18594.8	19029.5	20247.4	20690.3	19734.8	18016.6	13922.0	11516.9	10120.6
72.5°	16942.2	16794.6	17821.8	20235.1	22621.7	22494.6	21061.4	15984.7	12460.1	10194.4
75°	12710.2	12316.6	14131.1	18236.0	22943.6	24061.1	22996.9	17264.1	12236.6	9007.3
77.5°	5435.5	5039.8	7178.3	13499.6	20534.4	22492.5	21221.3	15062.0	9768.0	5956.3
80°	1423.0	1420.9	2169.3	6120.3	13965.1	16610.0	14572.0	9726.9	5581.1	2128.3
82.5°	588.5	574.1	797.6	2380.5	6823.6	9321.0	7606.9	4338.6	2015.5	576.2
85°	219.4	217.3	387.5	822.2	2407.1	3844.4	2782.3	1109.2	502.3	280.9
87.5°	61.5	59.5	84.1	285.0	586.4	889.9	475.7	182.5	141.5	110.7
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°
4420.6	0°	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6
4428.8	2.5°	4434.9	4445.2	4463.7	4478.0	4496.5	4517.0	4545.7	4564.1	4582.6	4594.9
4439.0	5°	4453.4	4476.0	4523.1	4570.3	4625.6	4676.9	4736.4	4779.4	4814.3	4824.5
4476.0	7.5°	4494.4	4531.3	4611.3	4691.2	4779.4	4863.5	4949.6	5023.4	5082.9	5105.4
4541.6	10°	4566.2	4615.4	4728.1	4840.9	4957.8	5087.0	5197.7	5304.3	5388.4	5423.2
4619.5	12.5°	4656.4	4717.9	4865.5	5021.4	5183.3	5361.7	5505.2	5636.5	5741.0	5788.2
4728.1	15°	4773.3	4853.2	5041.9	5251.0	5488.8	5736.9	5919.4	6065.0	6181.9	6239.3
4840.9	17.5°	4900.4	5007.0	5244.8	5560.6	5901.0	6227.0	6440.2	6546.8	6667.8	6723.2
4945.5	20°	5023.4	5154.6	5495.0	5954.3	6407.4	6753.9	6926.1	6954.8	6963.1	6969.2
5043.9	22.5°	5150.5	5326.9	5808.7	6450.5	6936.4	7176.3	7200.9	7077.9	6905.6	6825.7
5140.3	25°	5289.9	5523.7	6218.8	6997.9	7391.6	7420.3	7231.6	6932.3	6606.3	6456.6
5218.2	27.5°	5425.3	5751.3	6710.9	7520.8	7719.6	7467.4	7061.5	6637.0	6243.4	6085.5
5273.5	30°	5560.6	6011.7	7254.2	7978.0	7869.3	7350.6	6792.9	6319.2	5923.5	5757.4
5322.8	32.5°	5698.0	6315.1	7879.6	8308.1	7842.7	7102.5	6458.7	5962.5	5613.9	5439.6
5365.8	35°	5853.8	6688.3	8472.1	8488.5	7664.3	6737.5	6017.8	5536.0	5232.5	5093.1
5417.1	37.5°	6056.8	7161.9	8995.0	8533.6	7352.6	6202.4	5470.4	5031.6	4781.5	4717.9
5492.9	40°	6309.0	7731.9	9394.8	8461.9	6891.3	5552.4	4871.7	4521.1	4379.6	4393.9
5595.5	42.5°	6637.0	8369.6	9675.7	8277.3	6249.5	4881.9	4346.8	4191.0	4258.6	4316.0
5749.2	45°	7063.5	9031.9	9850.0	7963.6	5523.7	4314.0	4037.2	4074.1	4125.3	4131.5
5997.3	47.5°	7608.9	9702.3	9964.8	7490.0	4783.5	3914.2	3840.3	3848.5	3838.3	3795.2
6368.4	50°	8289.6	10354.4	10067.3	6862.6	4154.0	3664.0	3565.6	3536.9	3395.4	3256.0
6862.6	52.5°	9064.7	10953.1	10110.4	6083.4	3664.0	3454.9	3294.9	3114.5	2850.0	2807.0
7483.8	55°	9925.8	11506.7	9999.6	5125.9	3251.9	3186.3	2944.3	2727.0	2698.3	2661.4
8301.9	57.5°	10955.1	12103.3	9774.1	4057.7	2829.5	2872.6	2636.8	2661.4	2610.1	2552.7
9353.8	60°	12080.8	12720.5	9378.4	3083.8	2392.8	2480.9	2556.8	2554.8	2540.4	2493.2
10463.0	62.5°	13093.7	13126.5	8599.2	2362.0	2009.4	2177.5	2384.6	2382.5	2370.2	2343.6
11621.5	65°	13696.5	13064.9	7299.3	1859.7	1693.6	1927.3	2150.8	2167.2	2169.3	2167.2
12492.9	67.5°	13589.8	12345.3	5515.5	1480.4	1433.2	1673.1	1919.1	1941.7	1958.1	1962.2
12603.6	70°	12384.2	10764.4	3596.3	1181.0	1201.5	1449.6	1699.8	1722.3	1736.7	1753.1
10936.7	72.5°	9653.1	7914.4	2058.6	955.5	998.5	1256.9	1482.4	1509.1	1517.3	1548.0
7611.0	75°	5882.5	4654.3	1111.3	752.5	820.1	1074.4	1267.1	1297.9	1312.2	1349.1
3737.8	77.5°	2796.7	2015.5	633.6	586.4	660.2	877.6	1070.3	1105.1	1066.2	1086.7
1031.3	80°	945.2	748.4	399.8	447.0	504.4	684.8	857.1	891.9	809.9	805.8
342.4	82.5°	330.1	303.5	254.2	297.3	326.0	490.0	647.9	693.0	602.8	600.8
153.8	85°	129.2	123.0	141.5	162.0	194.8	301.4	426.5	449.0	371.1	299.4
45.1	87.5°	26.7	28.7	34.9	36.9	59.5	104.6	153.8	188.6	149.7	127.1
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°
4420.6
4586.7
4828.6
5107.5
5425.3
5788.2
6235.2
6721.1
6985.6
6848.2
6479.2
6103.9
5775.9
5462.2
5123.9
4763.0
4443.1
4369.3
4172.5
3828.0
3274.4
2821.3
2667.5
2542.5
2476.8
2333.3
2167.2
1966.3
1761.3
1560.3
1353.2
1070.3
797.6
572.1
295.3
116.9
0.0

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