

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: P850723

Luminaire Tested: **GLAN-SB8B-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850723
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-SB8B-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 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: 40140 lumens
Efficiency: N/A
Efficacy: 137.1 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

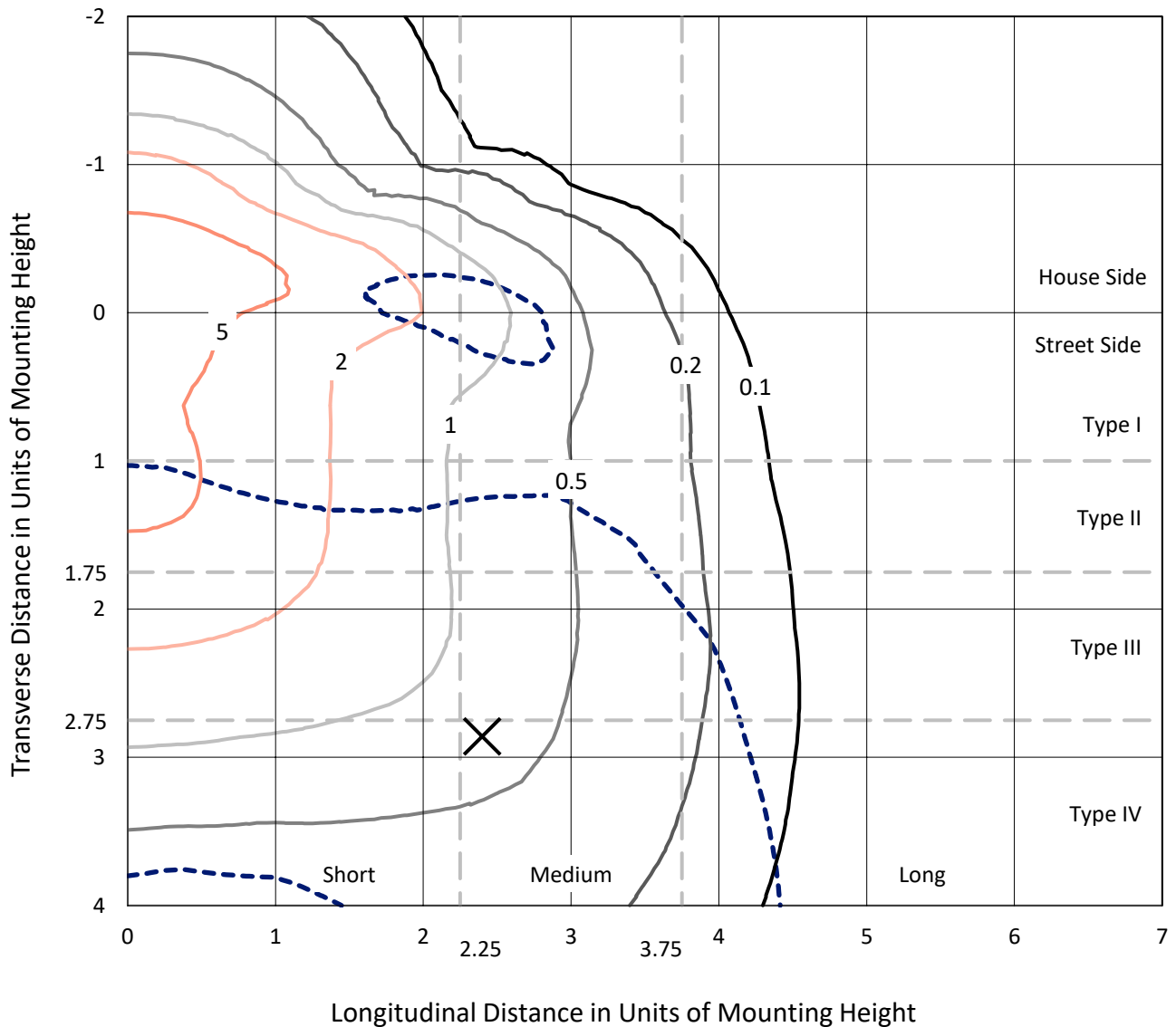
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

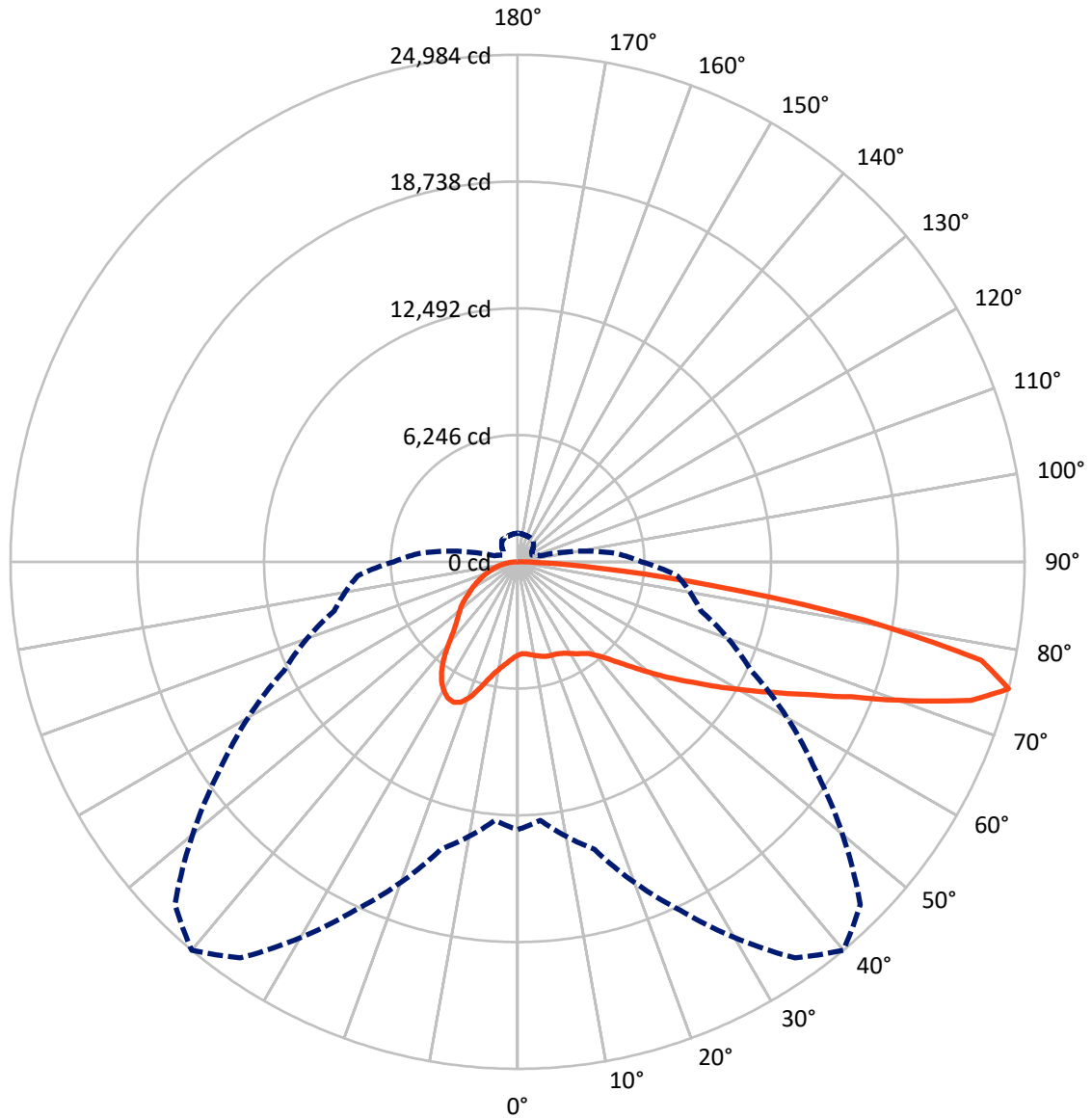
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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	12436.7	0.0	12436.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	27703.3	0.0	27703.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	40140.0	0.0	40140.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.2	1.1
10°-20°	1538.3	3.8
20°-30°	2808.8	7.0
30°-40°	3983.7	9.9
40°-50°	5379.2	13.4
50°-60°	7236.4	18.0
60°-70°	9184.7	22.9
70°-80°	8335.7	20.8
80°-90°	1215.1	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°	40140.0	100.0
0°-180°	40140.0	100.0

Coefficient of Utilization

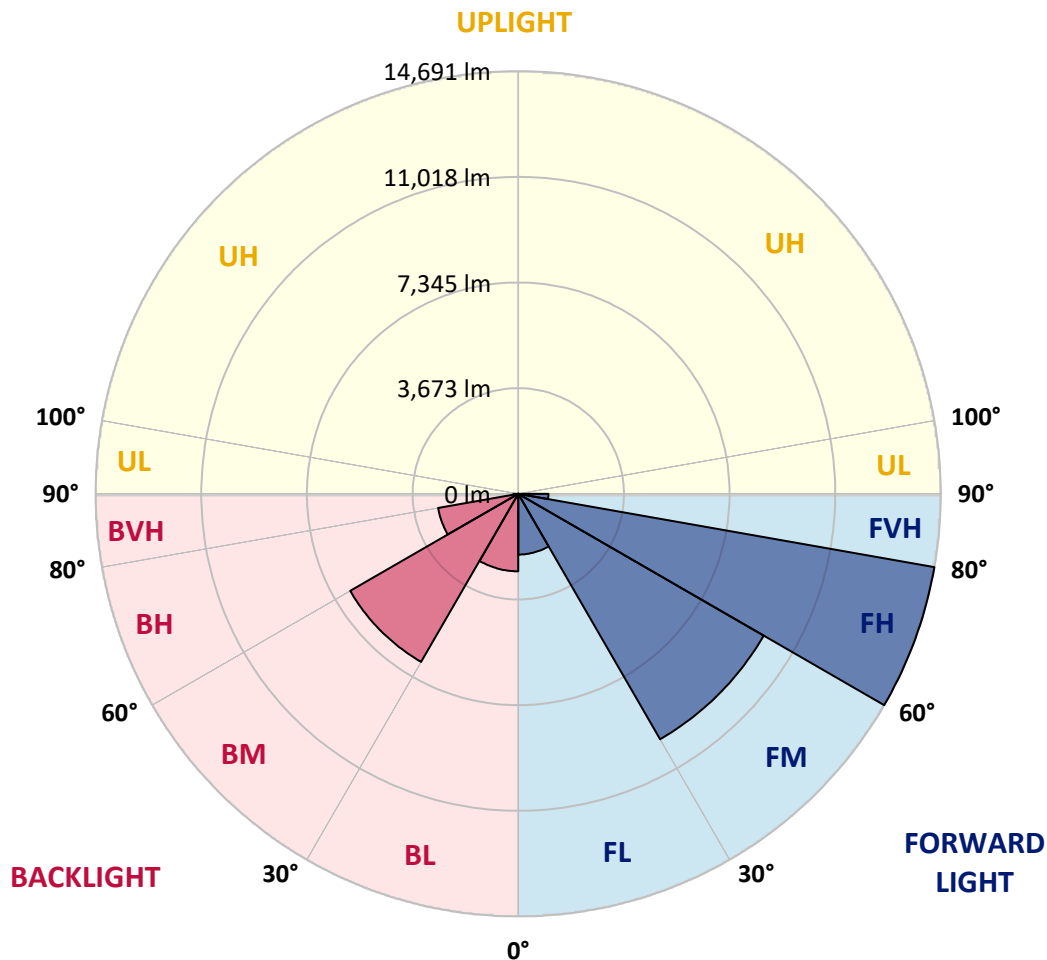


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2111.4	5.3			
FM (30°-60°)	9853.5	24.5			
FH (60°-80°)	14690.6	36.6			G5
FVH (80°-90°)	1047.8	2.6			G5
BL (0°-30°)	2693.9	6.7	B4/5000		
BM (30°-60°)	6745.8	16.8	B4/8500		
BH (60°-80°)	2829.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	167.3	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°	4590.1	4590.1	4590.1	4590.1	4590.1	4590.1	4590.1	4590.1	4590.1	4590.1
2.5°	4519.8	4545.4	4539.0	4530.5	4530.5	4532.6	4530.5	4545.4	4560.3	4575.2
5°	4566.6	4592.2	4579.4	4568.8	4560.3	4558.1	4551.7	4549.6	4558.1	4577.3
7.5°	4658.2	4683.7	4664.6	4645.4	4628.4	4619.9	4611.4	4598.6	4592.2	4602.8
10°	4760.4	4785.9	4762.5	4728.4	4700.8	4690.1	4681.6	4668.8	4660.3	4666.7
12.5°	4862.6	4888.1	4856.2	4809.3	4773.2	4766.8	4756.1	4751.9	4749.7	4747.6
15°	4958.4	4979.7	4939.2	4883.9	4845.5	4834.9	4824.2	4830.6	4841.3	4854.1
17.5°	5032.9	5054.2	4994.6	4922.2	4886.0	4881.7	4875.3	4896.6	4926.4	4958.4
20°	5101.0	5122.3	5045.7	4947.7	4905.2	4905.2	4907.3	4952.0	4994.6	5041.4
22.5°	5196.8	5213.9	5120.2	4986.1	4924.3	4928.6	4945.6	4990.3	5043.5	5107.4
25°	5339.5	5352.2	5237.3	5058.4	4988.2	5001.0	5015.9	5037.1	5088.2	5162.8
27.5°	5569.4	5580.0	5428.9	5186.2	5079.7	5101.0	5122.3	5107.4	5130.8	5194.7
30°	5893.0	5899.4	5707.8	5386.3	5235.1	5245.8	5250.0	5188.3	5143.6	5194.7
32.5°	6276.2	6274.1	6046.3	5629.0	5411.8	5401.2	5365.0	5243.7	5139.3	5184.0
35°	6870.2	6846.8	6553.0	5969.6	5612.0	5546.0	5460.8	5305.4	5160.6	5173.4
37.5°	7853.8	7781.4	7374.8	6527.4	5910.0	5741.8	5616.2	5405.5	5207.5	5169.1
40°	8963.0	8871.4	8424.3	7291.7	6357.1	6086.7	5884.5	5548.1	5284.1	5188.3
42.5°	10278.7	10148.8	9667.7	8192.3	6923.4	6531.7	6227.2	5729.1	5396.9	5250.0
45°	11894.6	11722.1	11040.8	9207.8	7636.6	7115.0	6708.4	6003.7	5569.4	5369.3
47.5°	13527.5	13570.1	12601.4	10370.2	8492.5	7834.6	7310.9	6416.7	5820.6	5560.9
50°	15262.6	15292.4	14153.4	11658.2	9463.3	8647.9	7987.9	6878.7	6169.8	5833.4
52.5°	16616.6	16620.9	15562.8	13005.9	10474.5	9542.1	8718.1	7406.7	6574.3	6195.3
55°	17464.0	17453.3	16550.6	14281.1	11637.0	10480.9	9527.1	8007.1	7068.2	6621.1
57.5°	18079.2	18047.3	17231.9	15377.6	12876.0	11590.1	10442.6	8688.3	7651.5	7127.8
60°	18313.4	18294.3	17693.9	16325.0	14178.9	12816.4	11498.6	9450.5	8313.6	7726.0
62.5°	18402.8	18439.0	18147.4	17242.5	15573.4	14174.7	12658.9	10361.7	9058.8	8403.1
65°	18717.9	18783.9	18724.3	18443.3	17148.9	15765.0	14198.1	11445.4	9872.0	9129.0
67.5°	19341.7	19407.7	19433.3	19880.3	19073.5	17747.1	16118.4	12795.1	10823.7	9882.7
70°	19326.8	19307.6	19759.0	21023.6	21483.5	20491.4	18707.3	14455.7	11958.4	10508.6
72.5°	17591.7	17438.4	18505.0	21010.8	23488.9	23356.9	21868.8	16597.5	12937.8	10585.2
75°	13197.5	12788.7	14672.9	18935.1	23823.2	24983.5	23878.5	17925.9	12705.7	9352.6
77.5°	5643.9	5233.0	7453.5	14017.1	21321.6	23354.8	22034.9	15639.4	10142.4	6184.7
80°	1477.5	1475.4	2252.5	6355.0	14500.4	17246.8	15130.6	10099.8	5795.1	2209.9
82.5°	611.0	596.1	828.2	2471.7	7085.2	9678.3	7898.5	4504.9	2092.8	598.2
85°	227.8	225.7	402.4	853.7	2499.4	3991.8	2889.0	1151.8	521.6	291.7
87.5°	63.9	61.7	87.3	295.9	608.9	924.0	493.9	189.5	146.9	115.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4590.1	0°	4590.1	4590.1	4590.1	4590.1	4590.1	4590.1	4590.1	4590.1	4590.1	4590.1
4598.6	2.5°	4605.0	4615.6	4634.8	4649.7	4668.8	4690.1	4719.9	4739.1	4758.3	4771.0
4609.2	5°	4624.1	4647.5	4696.5	4745.5	4803.0	4856.2	4917.9	4962.6	4998.8	5009.5
4647.5	7.5°	4666.7	4705.0	4788.1	4871.1	4962.6	5049.9	5139.3	5216.0	5277.7	5301.1
4715.7	10°	4741.2	4792.3	4909.4	5026.5	5147.9	5282.0	5396.9	5507.6	5594.9	5631.1
4796.6	12.5°	4834.9	4898.8	5052.0	5213.9	5382.0	5567.3	5716.3	5852.5	5961.1	6010.1
4909.4	15°	4956.2	5039.3	5235.1	5452.3	5699.3	5956.9	6146.3	6297.5	6418.8	6478.5
5026.5	17.5°	5088.2	5198.9	5445.9	5773.8	6127.2	6465.7	6687.1	6797.8	6923.4	6980.9
5135.1	20°	5216.0	5352.2	5705.6	6182.5	6653.0	7012.8	7191.7	7221.5	7230.0	7236.4
5237.3	22.5°	5348.0	5531.1	6031.4	6697.7	7202.3	7451.4	7476.9	7349.2	7170.4	7087.3
5337.3	25°	5492.7	5735.4	6457.2	7266.2	7674.9	7704.7	7508.9	7198.1	6859.5	6704.1
5418.2	27.5°	5633.3	5971.8	6968.1	7809.1	8015.6	7753.7	7332.2	6891.5	6482.7	6318.8
5475.7	30°	5773.8	6242.1	7532.3	8283.8	8171.0	7632.4	7053.3	6561.5	6150.6	5978.2
5526.8	32.5°	5916.4	6557.2	8181.6	8626.6	8143.3	7374.8	6706.3	6191.0	5829.1	5648.2
5571.5	35°	6078.2	6944.7	8796.9	8813.9	7958.1	6995.8	6248.5	5748.2	5433.1	5288.4
5624.7	37.5°	6289.0	7436.5	9339.8	8860.8	7634.5	6440.1	5680.1	5224.5	4964.8	4898.8
5703.5	40°	6550.8	8028.4	9754.9	8786.3	7155.5	5765.3	5058.4	4694.4	4547.5	4562.4
5810.0	42.5°	6891.5	8690.5	10046.6	8594.7	6489.1	5069.1	4513.4	4351.6	4421.9	4481.5
5969.6	45°	7334.3	9378.1	10227.6	8268.9	5735.4	4479.4	4191.9	4230.3	4283.5	4289.9
6227.2	47.5°	7900.6	10074.3	10346.8	7777.1	4966.9	4064.2	3987.6	3996.1	3985.4	3940.7
6612.6	50°	8607.4	10751.3	10453.2	7125.7	4313.3	3804.5	3702.3	3672.5	3525.6	3380.8
7125.7	52.5°	9412.2	11373.0	10498.0	6316.7	3804.5	3587.3	3421.3	3233.9	2959.3	2914.6
7770.7	55°	10306.4	11947.8	10383.0	5322.4	3376.5	3308.4	3057.2	2831.5	2801.7	2763.4
8620.2	57.5°	11375.1	12567.3	10148.8	4213.2	2938.0	2982.7	2737.9	2763.4	2710.2	2650.6
9712.4	60°	12543.9	13208.1	9737.9	3202.0	2484.5	2576.1	2654.8	2652.7	2637.8	2588.8
10864.1	62.5°	13595.6	13629.7	8928.9	2452.6	2086.4	2261.0	2476.0	2473.9	2461.1	2433.4
12067.0	65°	14221.5	13565.8	7579.1	1931.0	1758.5	2001.2	2233.3	2250.3	2252.5	2250.3
12971.8	67.5°	14110.8	12818.5	5726.9	1537.1	1488.2	1737.2	1992.7	2016.1	2033.2	2037.4
13086.8	70°	12859.0	11177.1	3734.2	1226.3	1247.6	1505.2	1764.9	1788.3	1803.2	1820.3
11355.9	72.5°	10023.2	8217.8	2137.5	992.1	1036.8	1305.1	1539.2	1566.9	1575.4	1607.4
7902.7	75°	6108.0	4832.8	1153.9	781.3	851.6	1115.6	1315.7	1347.6	1362.5	1400.9
3881.1	77.5°	2903.9	2092.8	657.9	608.9	685.5	911.2	1111.3	1147.5	1107.1	1128.4
1070.9	80°	981.5	777.1	415.1	464.1	523.7	711.1	889.9	926.1	840.9	836.7
355.5	82.5°	342.8	315.1	264.0	308.7	338.5	508.8	672.8	719.6	625.9	623.8
159.7	85°	134.1	127.7	146.9	168.2	202.3	313.0	442.8	466.2	385.3	310.8
46.8	87.5°	27.7	29.8	36.2	38.3	61.7	108.6	159.7	195.9	155.4	132.0
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°
4590.1
4762.5
5013.7
5303.3
5633.3
6010.1
6474.2
6978.8
7253.4
7110.8
6727.5
6337.9
5997.3
5671.6
5320.3
4945.6
4613.5
4536.8
4332.5
3974.8
3400.0
2929.5
2769.8
2639.9
2571.8
2422.8
2250.3
2041.7
1828.8
1620.1
1405.1
1111.3
828.2
594.0
306.6
121.4
0.0

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