

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: P851433

Luminaire Tested: **GLAN-SB9B-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851433
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-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 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: 34300 lumens
Efficiency: N/A
Efficacy: 104.1 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

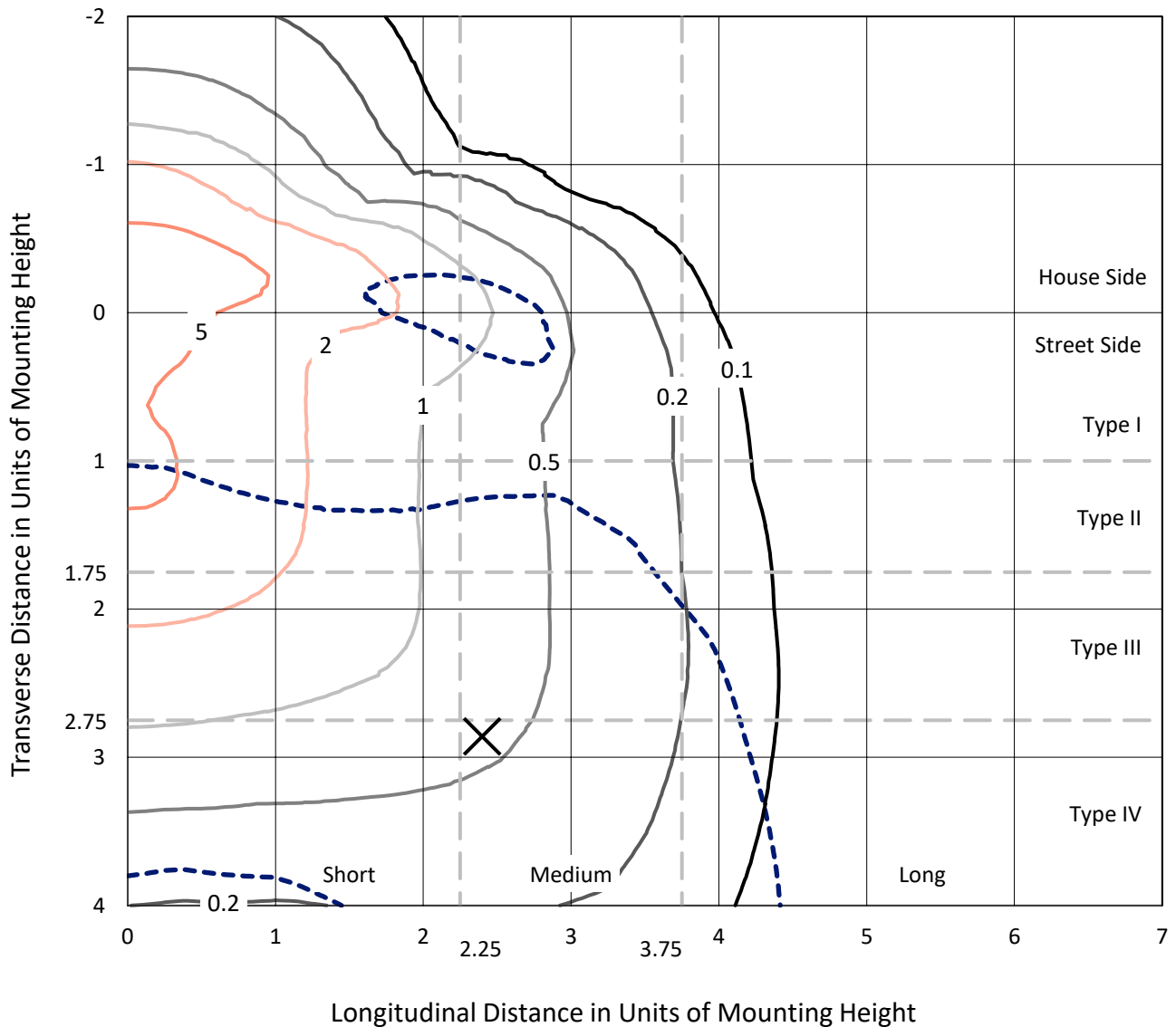
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

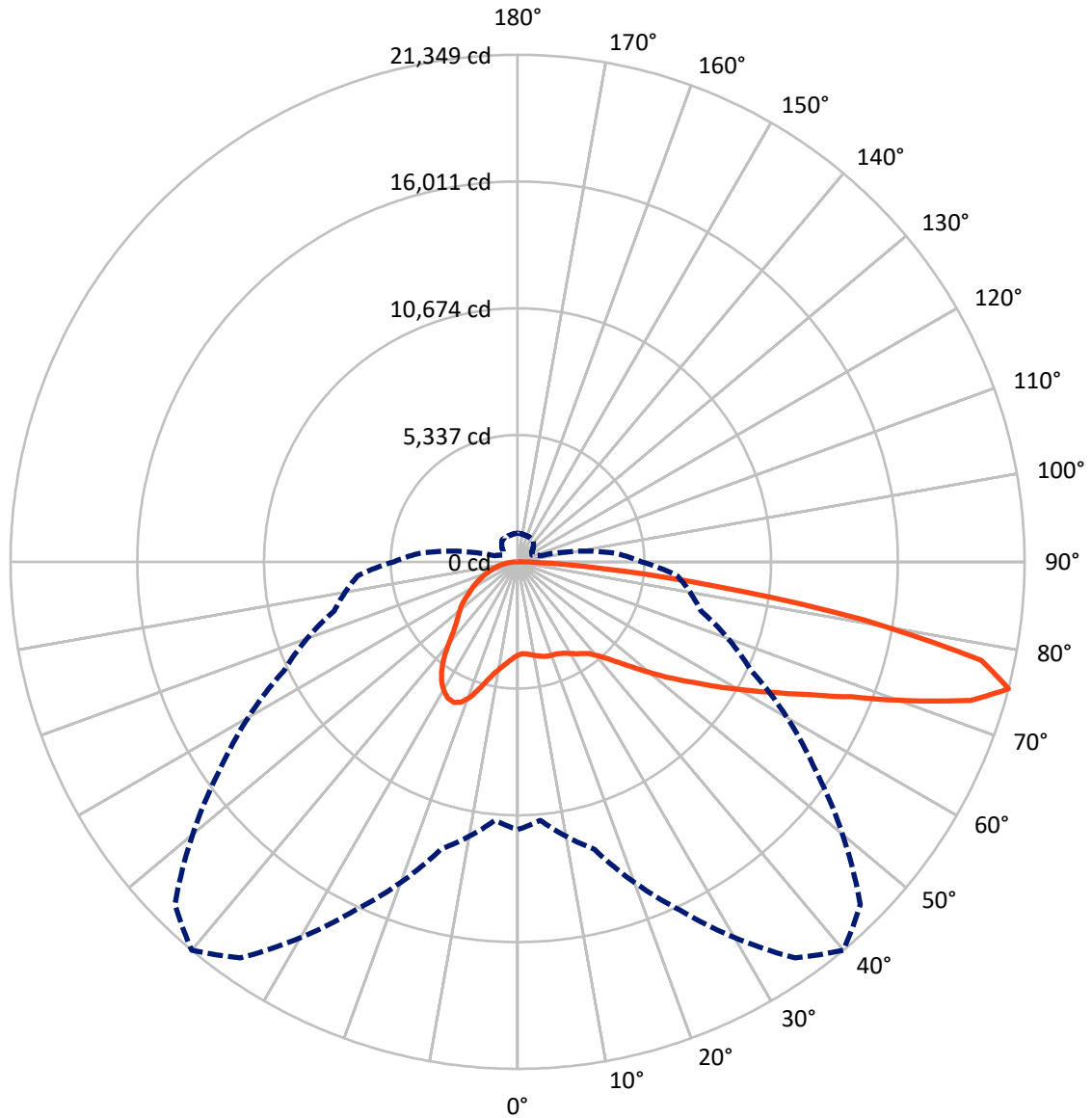
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	10627.3	0.0	10627.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	23672.7	0.0	23672.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	34300.0	0.0	34300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.5	1.1
10°-20°	1314.5	3.8
20°-30°	2400.2	7.0
30°-40°	3404.1	9.9
40°-50°	4596.5	13.4
50°-60°	6183.6	18.0
60°-70°	7848.4	22.9
70°-80°	7122.9	20.8
80°-90°	1038.3	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°	34300.0	100.0
0°-180°	34300.0	100.0

Coefficient of Utilization

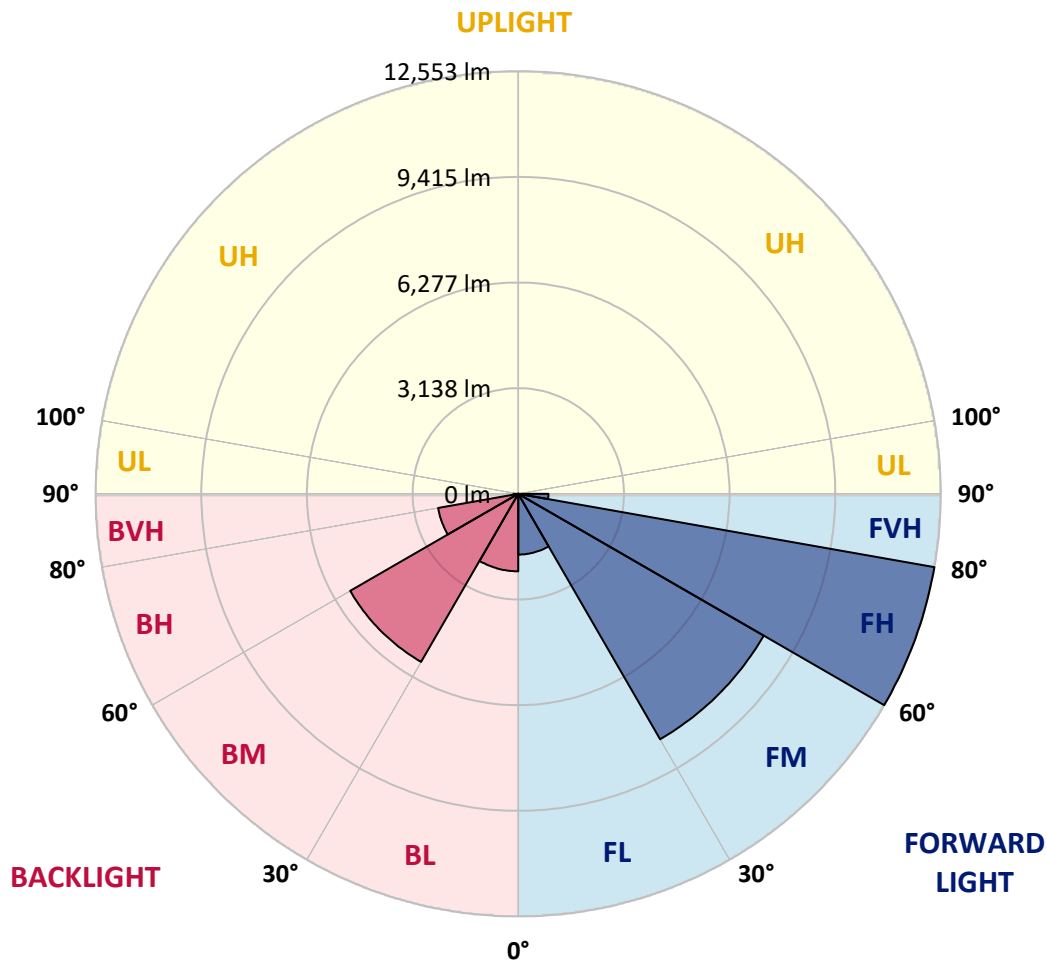


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1804.2	5.3			
FM (30°-60°)	8419.9	24.5			
FH (60°-80°)	12553.3	36.6			G5
FVH (80°-90°)	895.3	2.6			G5
BL (0°-30°)	2302.0	6.7	B3/2500		
BM (30°-60°)	5764.3	16.8	B4/8500		
BH (60°-80°)	2418.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	142.9	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°	3922.3	3922.3	3922.3	3922.3	3922.3	3922.3	3922.3	3922.3	3922.3	3922.3
2.5°	3862.2	3884.0	3878.6	3871.3	3871.3	3873.1	3871.3	3884.0	3896.8	3909.5
5°	3902.2	3924.1	3913.2	3904.1	3896.8	3895.0	3889.5	3887.7	3895.0	3911.3
7.5°	3980.5	4002.3	3985.9	3969.6	3955.0	3947.7	3940.4	3929.5	3924.1	3933.2
10°	4067.8	4089.6	4069.6	4040.5	4016.9	4007.8	4000.5	3989.6	3982.3	3987.7
12.5°	4155.1	4176.9	4149.7	4109.6	4078.7	4073.2	4064.2	4060.5	4058.7	4056.9
15°	4237.0	4255.2	4220.6	4173.3	4140.6	4131.5	4122.4	4127.8	4136.9	4147.8
17.5°	4300.6	4318.8	4267.9	4206.0	4175.1	4171.5	4166.0	4184.2	4209.7	4237.0
20°	4358.9	4377.1	4311.6	4227.9	4191.5	4191.5	4193.3	4231.5	4267.9	4307.9
22.5°	4440.7	4455.3	4375.2	4260.6	4207.9	4211.5	4226.1	4264.3	4309.7	4364.3
25°	4562.6	4573.5	4475.3	4322.5	4262.4	4273.4	4286.1	4304.3	4347.9	4411.6
27.5°	4759.1	4768.2	4639.0	4431.6	4340.7	4358.9	4377.1	4364.3	4384.3	4438.9
30°	5035.6	5041.1	4877.3	4602.6	4473.5	4482.6	4486.2	4433.5	4395.2	4438.9
32.5°	5363.1	5361.3	5166.6	4810.0	4624.5	4615.4	4584.4	4480.8	4391.6	4429.8
35°	5870.6	5850.6	5599.6	5101.1	4795.5	4739.1	4666.3	4533.5	4409.8	4420.7
37.5°	6711.1	6649.3	6301.8	5577.7	5050.2	4906.5	4799.1	4619.0	4449.8	4417.1
40°	7658.9	7580.7	7198.7	6230.8	5432.2	5201.2	5028.3	4740.9	4515.3	4433.5
42.5°	8783.2	8672.2	8261.1	7000.4	5916.1	5581.4	5321.2	4895.5	4611.7	4486.2
45°	10164.0	10016.7	9434.5	7868.2	6525.6	6079.9	5732.4	5130.2	4759.1	4588.1
47.5°	11559.4	11595.7	10768.0	8861.4	7256.9	6694.8	6247.2	5483.1	4973.8	4751.8
50°	13042.0	13067.5	12094.2	9962.1	8086.5	7389.7	6825.7	5877.9	5272.1	4984.7
52.5°	14199.1	14202.7	13298.5	11113.7	8950.6	8153.8	7449.7	6329.1	5617.8	5293.9
55°	14923.1	14914.0	14142.7	12203.4	9943.9	8956.0	8141.0	6842.1	6039.8	5657.8
57.5°	15448.9	15421.6	14724.8	13140.3	11002.7	9903.9	8923.3	7424.3	6538.3	6090.8
60°	15649.0	15632.6	15119.6	13949.8	12116.0	10951.7	9825.6	8075.5	7104.1	6602.0
62.5°	15725.4	15756.3	15507.1	14733.9	13307.6	12112.4	10817.1	8854.2	7740.8	7180.5
65°	15994.6	16051.0	16000.1	15760.0	14653.9	13471.4	12132.4	9780.2	8435.7	7800.8
67.5°	16527.7	16584.1	16605.9	16987.9	16298.4	15165.1	13773.4	10933.5	9248.9	8444.8
70°	16514.9	16498.6	16884.2	17964.9	18357.8	17510.0	15985.5	12352.5	10218.6	8979.7
72.5°	15032.3	14901.3	15812.7	17953.9	20071.5	19958.7	18687.1	14182.7	11055.4	9045.2
75°	11277.4	10928.1	12538.1	16180.2	20357.1	21348.6	20404.4	15317.9	10857.1	7991.9
77.5°	4822.8	4471.7	6369.1	11977.8	18219.5	19956.9	18829.0	13364.0	8666.8	5284.9
80°	1262.5	1260.7	1924.7	5430.4	12390.7	14737.5	12929.2	8630.4	4951.9	1888.4
82.5°	522.1	509.4	707.7	2112.1	6054.4	8270.2	6749.3	3849.5	1788.3	511.2
85°	194.7	192.8	343.8	729.5	2135.8	3411.0	2468.7	984.2	445.7	249.2
87.5°	54.6	52.8	74.6	252.9	520.3	789.5	422.1	161.9	125.5	98.2
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°
3922.3	0°	3922.3	3922.3	3922.3	3922.3	3922.3	3922.3	3922.3	3922.3	3922.3	3922.3
3929.5	2.5°	3935.0	3944.1	3960.5	3973.2	3989.6	4007.8	4033.2	4049.6	4066.0	4076.9
3938.6	5°	3951.4	3971.4	4013.2	4055.1	4104.2	4149.7	4202.4	4240.6	4271.5	4280.6
3971.4	7.5°	3987.7	4020.5	4091.4	4162.4	4240.6	4315.2	4391.6	4457.1	4509.9	4529.9
4029.6	10°	4051.4	4095.1	4195.1	4295.2	4398.9	4513.5	4611.7	4706.3	4780.9	4811.9
4098.7	12.5°	4131.5	4186.0	4317.0	4455.3	4599.0	4757.3	4884.6	5001.1	5093.8	5135.7
4195.1	15°	4235.2	4306.1	4473.5	4659.0	4870.1	5090.2	5252.1	5381.3	5485.0	5535.9
4295.2	17.5°	4347.9	4442.5	4653.6	4933.7	5235.7	5525.0	5714.2	5808.8	5916.1	5965.2
4388.0	20°	4457.1	4573.5	4875.5	5283.0	5685.1	5992.5	6145.3	6170.8	6178.1	6183.5
4475.3	22.5°	4569.9	4726.3	5153.9	5723.3	6154.4	6367.3	6389.1	6280.0	6127.2	6056.2
4560.8	25°	4693.6	4901.0	5517.7	6209.0	6558.3	6583.8	6416.4	6150.8	5861.5	5728.7
4629.9	27.5°	4813.7	5102.9	5954.3	6672.9	6849.4	6625.6	6265.4	5888.8	5539.5	5399.5
4679.0	30°	4933.7	5334.0	6436.4	7078.6	6982.2	6521.9	6027.1	5606.9	5255.7	5108.4
4722.7	32.5°	5055.6	5603.2	6991.3	7371.5	6958.5	6301.8	5730.6	5290.3	4981.0	4826.4
4760.9	35°	5193.9	5934.3	7517.0	7531.6	6800.3	5978.0	5339.4	4911.9	4642.7	4519.0
4806.4	37.5°	5374.0	6354.6	7980.9	7571.6	6523.7	5503.2	4853.7	4464.4	4242.4	4186.0
4873.7	40°	5597.8	6860.3	8335.7	7507.9	6114.4	4926.5	4322.5	4011.4	3885.9	3898.6
4964.7	42.5°	5888.8	7426.1	8584.9	7344.2	5545.0	4331.6	3856.8	3718.5	3778.5	3829.5
5101.1	45°	6267.2	8013.7	8739.6	7065.9	4901.0	3827.7	3582.1	3614.8	3660.3	3665.7
5321.2	47.5°	6751.1	8608.6	8841.4	6645.6	4244.3	3472.9	3407.4	3414.7	3405.6	3367.4
5650.5	50°	7355.1	9187.1	8932.4	6088.9	3685.8	3251.0	3163.6	3138.2	3012.6	2888.9
6088.9	52.5°	8042.8	9718.3	8970.6	5397.6	3251.0	3065.4	2923.5	2763.4	2528.7	2490.5
6640.2	55°	8806.9	10209.5	8872.4	4548.1	2885.3	2827.1	2612.4	2419.6	2394.1	2361.4
7366.0	57.5°	9720.1	10738.9	8672.2	3600.2	2510.5	2548.7	2339.5	2361.4	2315.9	2264.9
8299.3	60°	10718.9	11286.5	8321.1	2736.1	2123.0	2201.3	2268.6	2266.8	2254.0	2212.2
9283.5	62.5°	11617.6	11646.7	7629.8	2095.7	1782.8	1932.0	2115.8	2113.9	2103.0	2079.4
10311.4	65°	12152.4	11592.1	6476.4	1650.0	1502.7	1710.1	1908.4	1922.9	1924.7	1922.9
11084.5	67.5°	12057.8	10953.6	4893.7	1313.5	1271.6	1484.5	1702.8	1722.8	1737.4	1741.0
11182.8	70°	10988.1	9550.9	3190.9	1047.9	1066.1	1286.2	1508.1	1528.1	1540.9	1555.4
9703.8	72.5°	8564.9	7022.2	1826.5	847.8	886.0	1115.2	1315.3	1339.0	1346.2	1373.5
6753.0	75°	5219.4	4129.6	986.0	667.7	727.7	953.3	1124.3	1151.6	1164.3	1197.1
3316.4	77.5°	2481.4	1788.3	562.1	520.3	585.8	778.6	949.6	980.6	946.0	964.2
915.1	80°	838.7	664.0	354.7	396.6	447.5	607.6	760.4	791.4	718.6	715.0
303.8	82.5°	292.9	269.2	225.6	263.8	289.3	434.8	574.9	614.9	534.9	533.0
136.4	85°	114.6	109.2	125.5	143.7	172.8	267.4	378.4	398.4	329.3	265.6
40.0	87.5°	23.6	25.5	30.9	32.7	52.8	92.8	136.4	167.4	132.8	112.8
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°
3922.3
4069.6
4284.3
4531.7
4813.7
5135.7
5532.3
5963.4
6198.1
6076.2
5748.8
5415.8
5124.8
4846.4
4546.2
4226.1
3942.3
3876.8
3702.1
3396.5
2905.3
2503.3
2366.8
2255.8
2197.6
2070.3
1922.9
1744.6
1562.7
1384.4
1200.7
949.6
707.7
507.6
262.0
103.7
0.0

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