

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: P851153

Luminaire Tested: **GLAN-SB9A-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851153
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-SB9A-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39123 lumens
Efficiency: N/A
Efficacy: 153.1 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

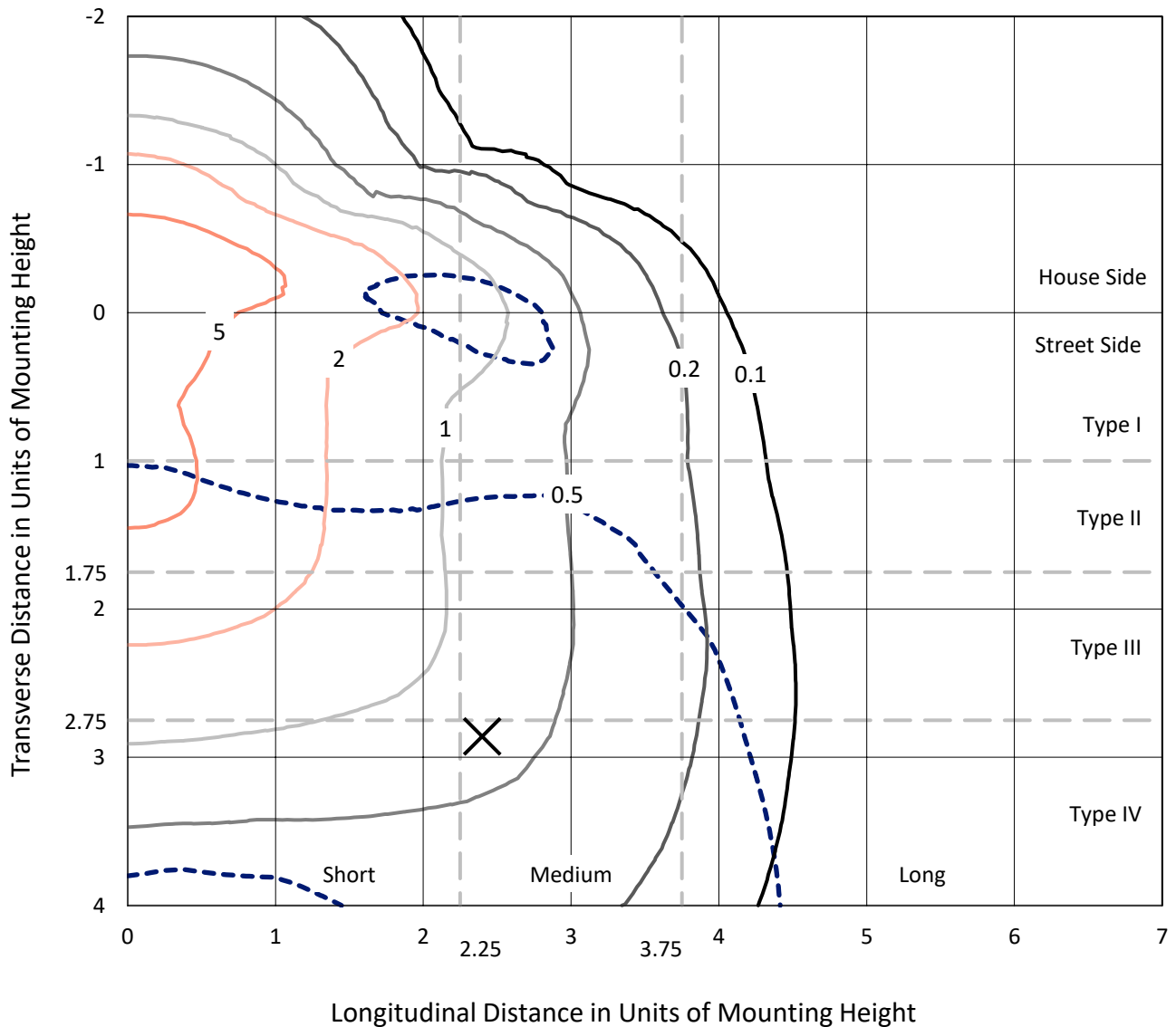
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

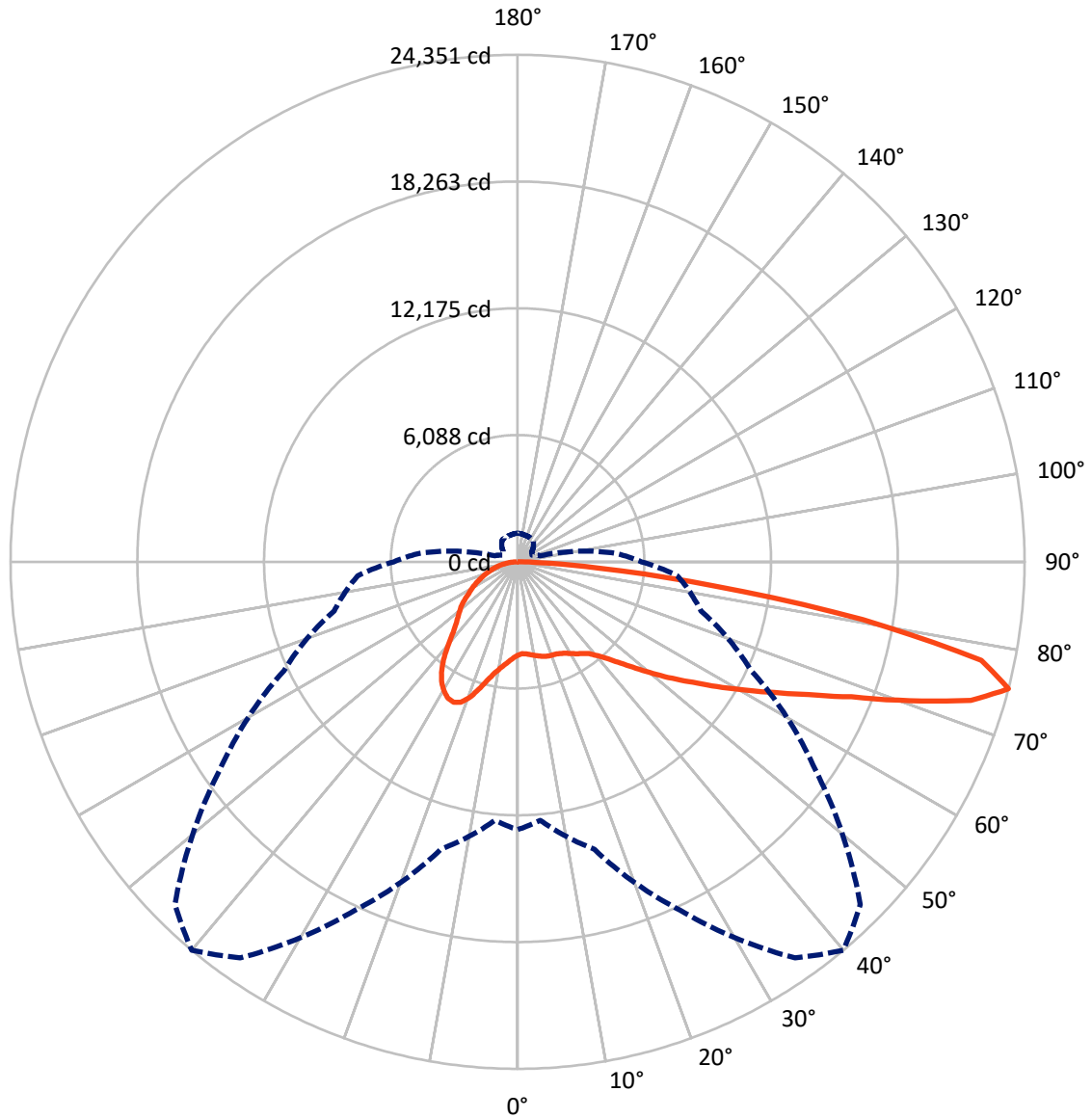
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	12121.6	0.0	12121.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	27001.4	0.0	27001.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	39123.0	0.0	39123.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.6	1.1
10°-20°	1499.3	3.8
20°-30°	2737.7	7.0
30°-40°	3882.7	9.9
40°-50°	5242.9	13.4
50°-60°	7053.1	18.0
60°-70°	8952.0	22.9
70°-80°	8124.5	20.8
80°-90°	1184.3	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°	39123.0	100.0
0°-180°	39123.0	100.0

Coefficient of Utilization

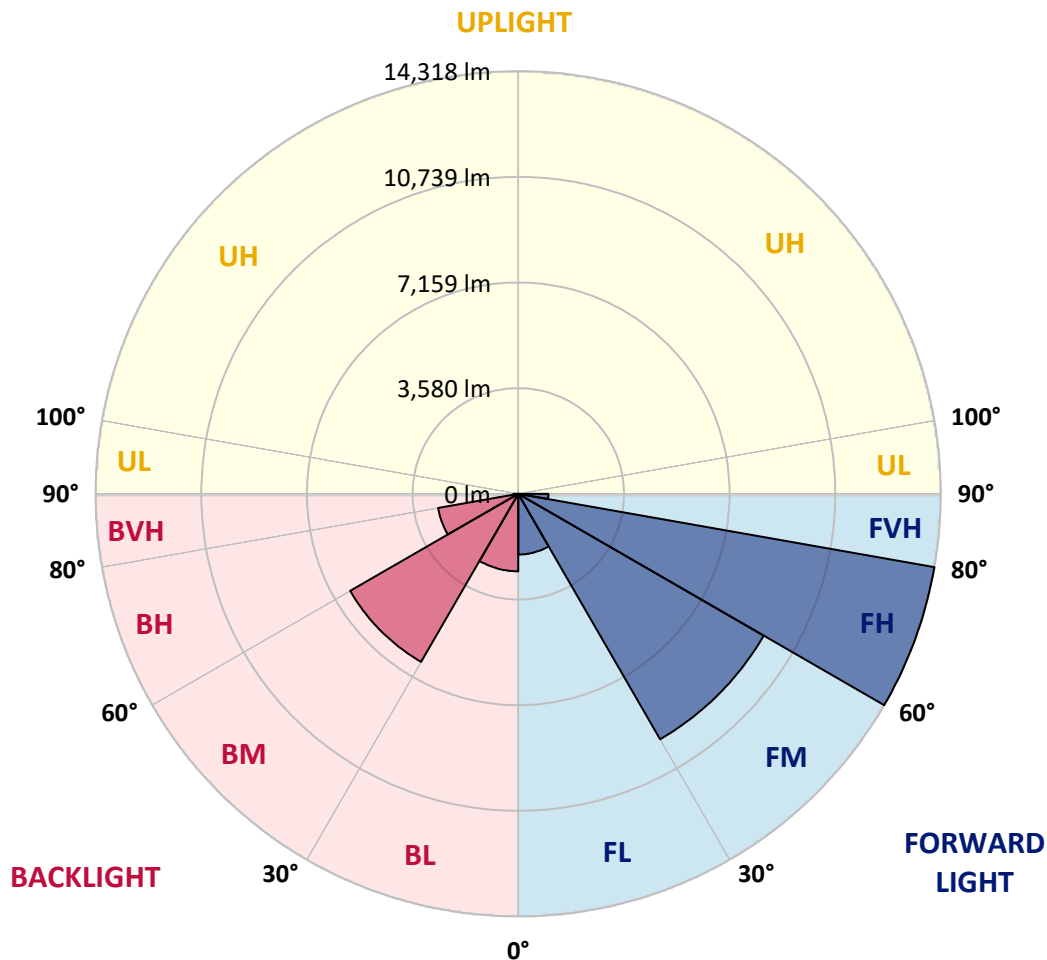


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2057.9	5.3			
FM (30°-60°)	9603.8	24.5			
FH (60°-80°)	14318.4	36.6			G5
FVH (80°-90°)	1021.2	2.6			G5
BL (0°-30°)	2625.7	6.7	B4/5000		
BM (30°-60°)	6574.9	16.8	B4/8500		
BH (60°-80°)	2758.0	7.0	B4/5000		G4/5000
BVH (80°-90°)	163.1	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°	4473.8	4473.8	4473.8	4473.8	4473.8	4473.8	4473.8	4473.8	4473.8	4473.8
2.5°	4405.3	4430.2	4424.0	4415.7	4415.7	4417.7	4415.7	4430.2	4444.7	4459.2
5°	4450.9	4475.8	4463.4	4453.0	4444.7	4442.6	4436.4	4434.3	4442.6	4461.3
7.5°	4540.2	4565.1	4546.4	4527.7	4511.1	4502.8	4494.5	4482.1	4475.8	4486.2
10°	4639.8	4664.7	4641.8	4608.6	4581.7	4571.3	4563.0	4550.5	4542.2	4548.5
12.5°	4739.4	4764.3	4733.1	4687.5	4652.2	4646.0	4635.6	4631.5	4629.4	4627.3
15°	4832.7	4853.5	4814.1	4760.1	4722.8	4712.4	4702.0	4708.2	4718.6	4731.1
17.5°	4905.4	4926.1	4868.0	4797.5	4762.2	4758.0	4751.8	4772.6	4801.6	4832.7
20°	4971.8	4992.5	4917.8	4822.4	4780.9	4780.9	4782.9	4826.5	4868.0	4913.7
22.5°	5065.2	5081.8	4990.4	4859.7	4799.5	4803.7	4820.3	4863.9	4915.7	4978.0
25°	5204.2	5216.6	5104.6	4930.3	4861.8	4874.2	4888.8	4909.5	4959.3	5032.0
27.5°	5428.3	5438.7	5291.3	5054.8	4951.0	4971.8	4992.5	4978.0	5000.8	5063.1
30°	5743.7	5749.9	5563.2	5249.8	5102.5	5112.9	5117.0	5056.9	5013.3	5063.1
32.5°	6117.2	6115.1	5893.1	5486.4	5274.7	5264.4	5229.1	5110.8	5009.1	5052.7
35°	6696.1	6673.3	6386.9	5818.4	5469.8	5405.5	5322.5	5171.0	5029.9	5042.3
37.5°	7654.8	7584.2	7187.9	6362.0	5760.3	5596.4	5473.9	5268.5	5075.5	5038.2
40°	8735.9	8646.7	8210.9	7107.0	6196.0	5932.5	5735.4	5407.5	5150.2	5056.9
42.5°	10018.3	9891.7	9422.7	7984.7	6748.0	6366.2	6069.5	5583.9	5260.2	5117.0
45°	11593.2	11425.1	10761.1	8974.5	7443.1	6934.8	6538.4	5851.6	5428.3	5233.2
47.5°	13184.7	13226.2	12282.1	10107.5	8277.3	7636.1	7125.7	6254.1	5673.1	5420.0
50°	14875.9	14904.9	13794.8	11362.9	9223.5	8428.8	7785.5	6704.4	6013.4	5685.6
52.5°	16195.6	16199.8	15168.5	12676.4	10209.2	9300.3	8497.3	7219.0	6407.7	6038.3
55°	17021.5	17011.1	16131.3	13919.3	11342.1	10215.4	9285.8	7804.2	6889.1	6453.3
57.5°	17621.2	17590.0	16795.3	14988.0	12549.8	11296.5	10178.0	8468.2	7457.7	6947.2
60°	17849.4	17830.7	17245.6	15911.3	13819.7	12491.7	11207.2	9211.1	8103.0	7530.3
62.5°	17936.6	17971.8	17687.6	16805.7	15178.9	13815.6	12338.1	10099.2	8829.3	8190.1
65°	18243.7	18308.0	18249.9	17976.0	16714.4	15365.6	13838.4	11155.4	9621.9	8897.7
67.5°	18851.7	18916.0	18940.9	19376.6	18590.2	17297.5	15710.1	12470.9	10549.5	9632.3
70°	18837.1	18818.5	19258.4	20490.9	20939.1	19972.2	18233.3	14089.5	11655.5	10242.4
72.5°	17146.0	16996.6	18036.2	20478.5	22893.8	22765.2	21314.7	16176.9	12610.0	10317.1
75°	12863.1	12464.7	14301.1	18455.3	23219.6	24350.5	23273.5	17471.8	12383.8	9115.6
77.5°	5500.9	5100.4	7264.7	13662.0	20781.4	22763.1	21476.6	15243.2	9885.4	6028.0
80°	1440.1	1438.0	2195.4	6194.0	14133.0	16809.8	14747.2	9843.9	5648.2	2153.9
82.5°	595.5	581.0	807.2	2409.1	6905.7	9433.1	7698.4	4390.8	2039.8	583.1
85°	222.0	220.0	392.2	832.1	2436.1	3890.7	2815.8	1122.6	508.4	284.3
87.5°	62.3	60.2	85.1	288.4	593.5	900.6	481.4	184.7	143.2	112.1
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°
4473.8	0°	4473.8	4473.8	4473.8	4473.8	4473.8	4473.8	4473.8	4473.8	4473.8	4473.8
4482.1	2.5°	4488.3	4498.7	4517.3	4531.9	4550.5	4571.3	4600.3	4619.0	4637.7	4650.1
4492.4	5°	4507.0	4529.8	4577.5	4625.2	4681.3	4733.1	4793.3	4836.9	4872.2	4882.5
4529.8	7.5°	4548.5	4585.8	4666.7	4747.7	4836.9	4922.0	5009.1	5083.8	5144.0	5166.8
4596.2	10°	4621.1	4670.9	4785.0	4899.1	5017.4	5148.2	5260.2	5368.1	5453.2	5488.5
4675.0	12.5°	4712.4	4774.6	4924.0	5081.8	5245.7	5426.2	5571.5	5704.3	5810.1	5857.8
4785.0	15°	4830.7	4911.6	5102.5	5314.2	5554.9	5805.9	5990.6	6137.9	6256.2	6314.3
4899.1	17.5°	4959.3	5067.2	5307.9	5627.5	5971.9	6301.9	6517.7	6625.6	6748.0	6804.0
5005.0	20°	5083.8	5216.6	5561.1	6025.9	6484.5	6835.2	7009.5	7038.5	7046.8	7053.0
5104.6	22.5°	5212.5	5390.9	5878.6	6528.0	7019.8	7262.6	7287.5	7163.0	6988.7	6907.8
5202.1	25°	5353.6	5590.1	6293.6	7082.1	7480.5	7509.5	7318.6	7015.7	6685.8	6534.3
5281.0	27.5°	5490.5	5820.5	6791.6	7611.2	7812.5	7557.3	7146.4	6716.9	6318.5	6158.7
5337.0	30°	5627.5	6084.0	7341.5	8073.9	7964.0	7439.0	6874.6	6395.2	5994.8	5826.7
5386.8	32.5°	5766.5	6391.1	7974.3	8408.0	7937.0	7187.9	6536.3	6034.2	5681.4	5505.1
5430.4	35°	5924.2	6768.8	8574.0	8590.6	7756.5	6818.6	6090.2	5602.6	5295.5	5154.4
5482.2	37.5°	6129.6	7248.1	9103.2	8636.3	7441.1	6277.0	5536.2	5092.1	4839.0	4774.6
5559.0	40°	6384.9	7824.9	9507.8	8563.7	6974.2	5619.2	4930.3	4575.4	4432.3	4446.8
5662.8	42.5°	6716.9	8470.3	9792.1	8376.9	6324.7	4940.6	4399.1	4241.4	4309.8	4367.9
5818.4	45°	7148.5	9140.5	9968.4	8059.4	5590.1	4365.9	4085.7	4123.1	4175.0	4181.2
6069.5	47.5°	7700.4	9819.0	10084.7	7580.1	4841.0	3961.2	3886.5	3894.8	3884.5	3840.9
6445.0	50°	8389.4	10478.9	10188.4	6945.1	4204.0	3708.1	3608.5	3579.4	3436.3	3295.1
6945.1	52.5°	9173.7	11084.8	10232.0	6156.6	3708.1	3496.4	3334.6	3152.0	2884.3	2840.7
7573.9	55°	10045.2	11645.1	10119.9	5187.6	3291.0	3224.6	2979.7	2759.8	2730.7	2693.4
8401.8	57.5°	11086.9	12248.9	9891.7	4106.5	2863.5	2907.1	2668.5	2693.4	2641.5	2583.4
9466.3	60°	12226.1	12873.5	9491.2	3120.8	2421.6	2510.8	2587.6	2585.5	2571.0	2523.2
10588.9	62.5°	13251.1	13284.3	8702.7	2390.4	2033.5	2203.7	2413.3	2411.2	2398.7	2371.8
11761.3	65°	13861.2	13222.1	7387.1	1882.1	1714.0	1950.5	2176.7	2193.3	2195.4	2193.3
12643.2	67.5°	13753.3	12493.8	5581.8	1498.2	1450.4	1693.2	1942.2	1965.1	1981.7	1985.8
12755.2	70°	12533.2	10893.9	3639.6	1195.2	1216.0	1467.0	1720.2	1743.0	1757.6	1774.2
11068.2	72.5°	9769.2	8009.6	2083.3	967.0	1010.5	1272.0	1500.2	1527.2	1535.5	1566.6
7702.5	75°	5953.3	4710.3	1124.7	761.5	830.0	1087.3	1282.4	1313.5	1328.0	1365.4
3782.8	77.5°	2830.3	2039.8	641.2	593.5	668.2	888.1	1083.2	1118.4	1079.0	1099.8
1043.7	80°	956.6	757.4	404.6	452.4	510.5	693.1	867.4	902.6	819.6	815.5
346.5	82.5°	334.1	307.1	257.3	300.9	329.9	495.9	655.7	701.4	610.1	608.0
155.6	85°	130.7	124.5	143.2	163.9	197.1	305.0	431.6	454.4	375.6	303.0
45.7	87.5°	27.0	29.1	35.3	37.4	60.2	105.8	155.6	190.9	151.5	128.7
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°
4473.8
4641.8
4886.7
5168.9
5490.5
5857.8
6310.2
6802.0
7069.6
6930.6
6557.1
6177.4
5845.4
5527.9
5185.5
4820.3
4496.6
4421.9
4222.7
3874.1
3313.8
2855.2
2699.6
2573.0
2506.6
2361.4
2193.3
1990.0
1782.5
1579.1
1369.5
1083.2
807.2
578.9
298.8
118.3
0.0

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