

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: P853177

Luminaire Tested: **GLAN-SB9B-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49746 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

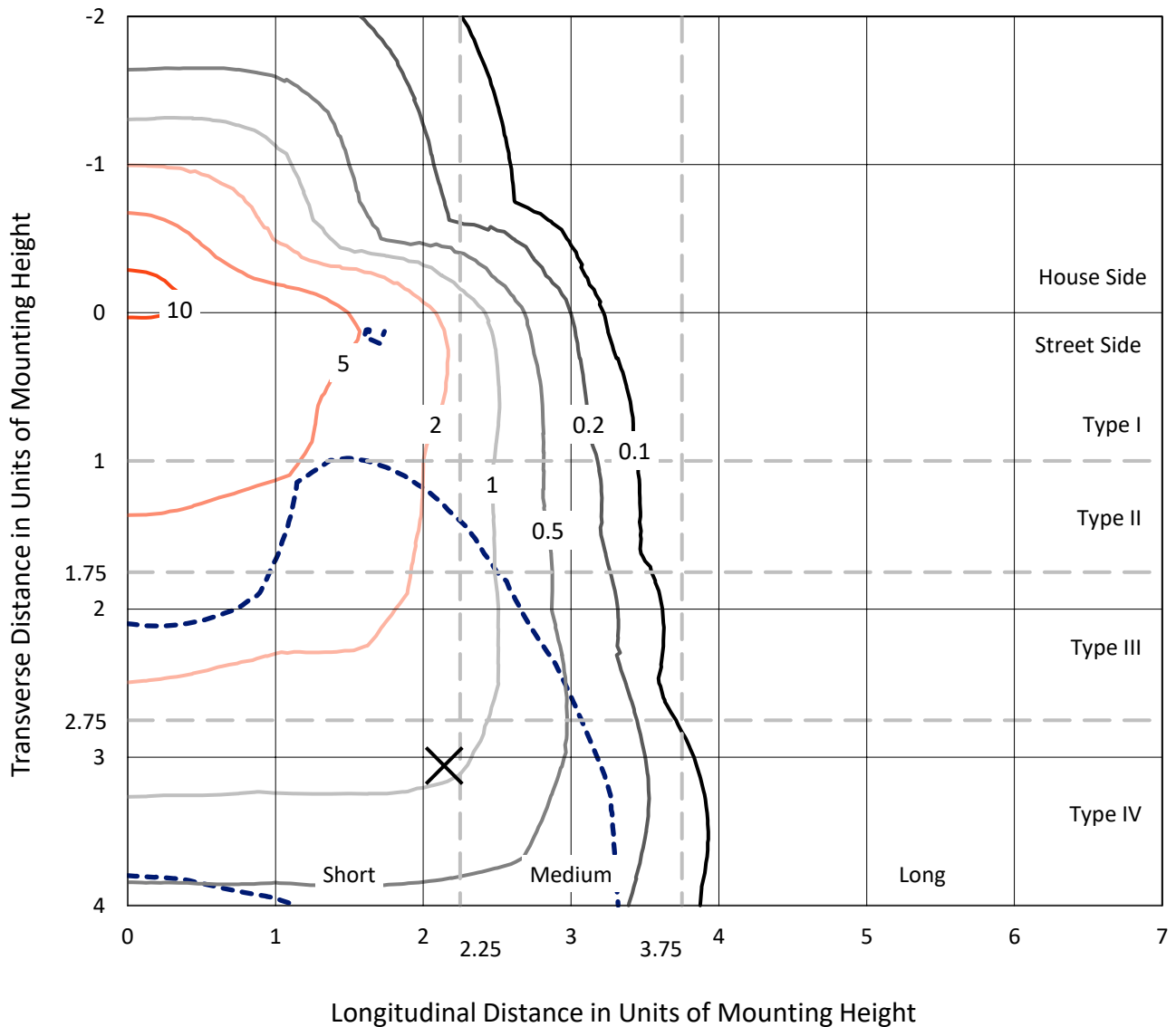
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

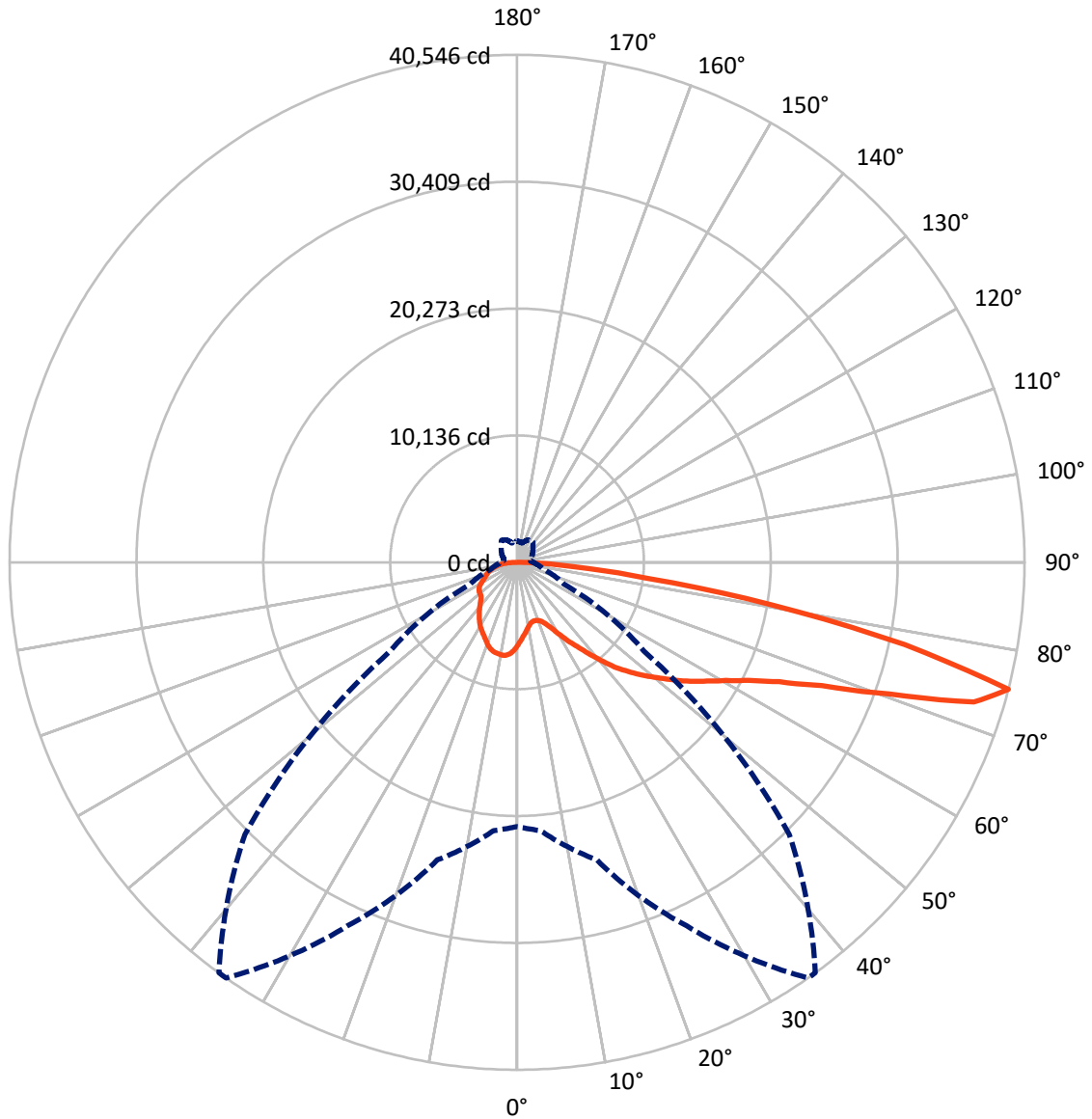
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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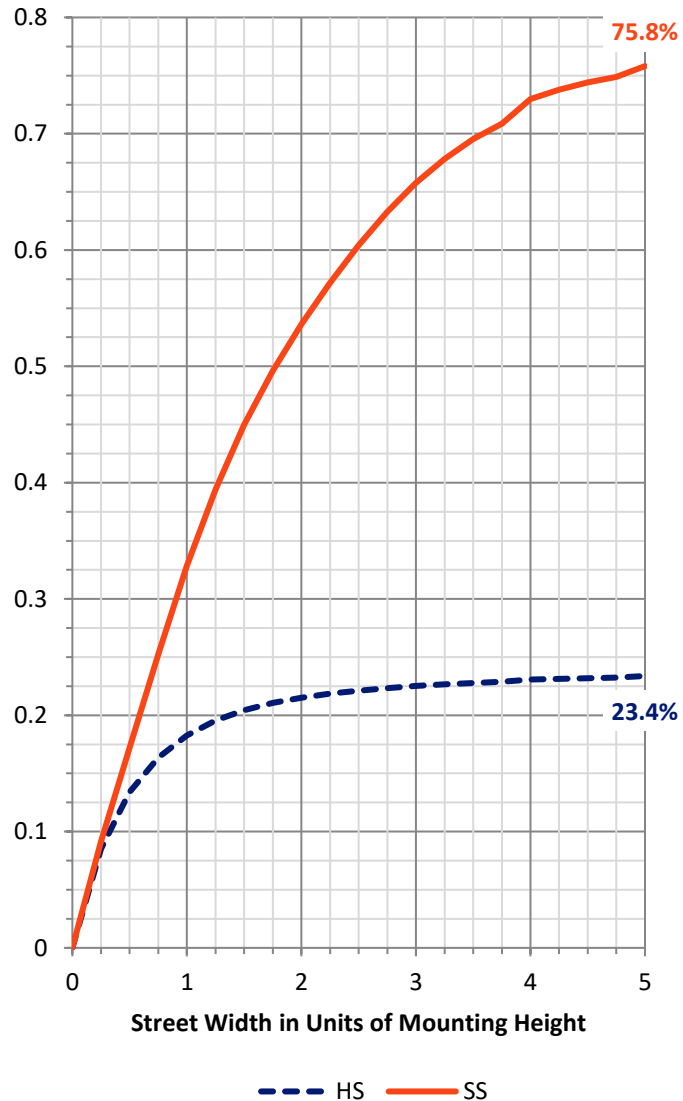
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11838.3	0.0	11838.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	37907.7	0.0	37907.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	49746.0	0.0	49746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.6	1.3
10°-20°	1810.4	3.6
20°-30°	3040.1	6.1
30°-40°	4724.7	9.5
40°-50°	7012.7	14.1
50°-60°	9681.5	19.5
60°-70°	11745.8	23.6
70°-80°	9707.0	19.5
80°-90°	1396.2	2.8
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°	49746.0	100.0
0°-180°	49746.0	100.0

Coefficient of Utilization

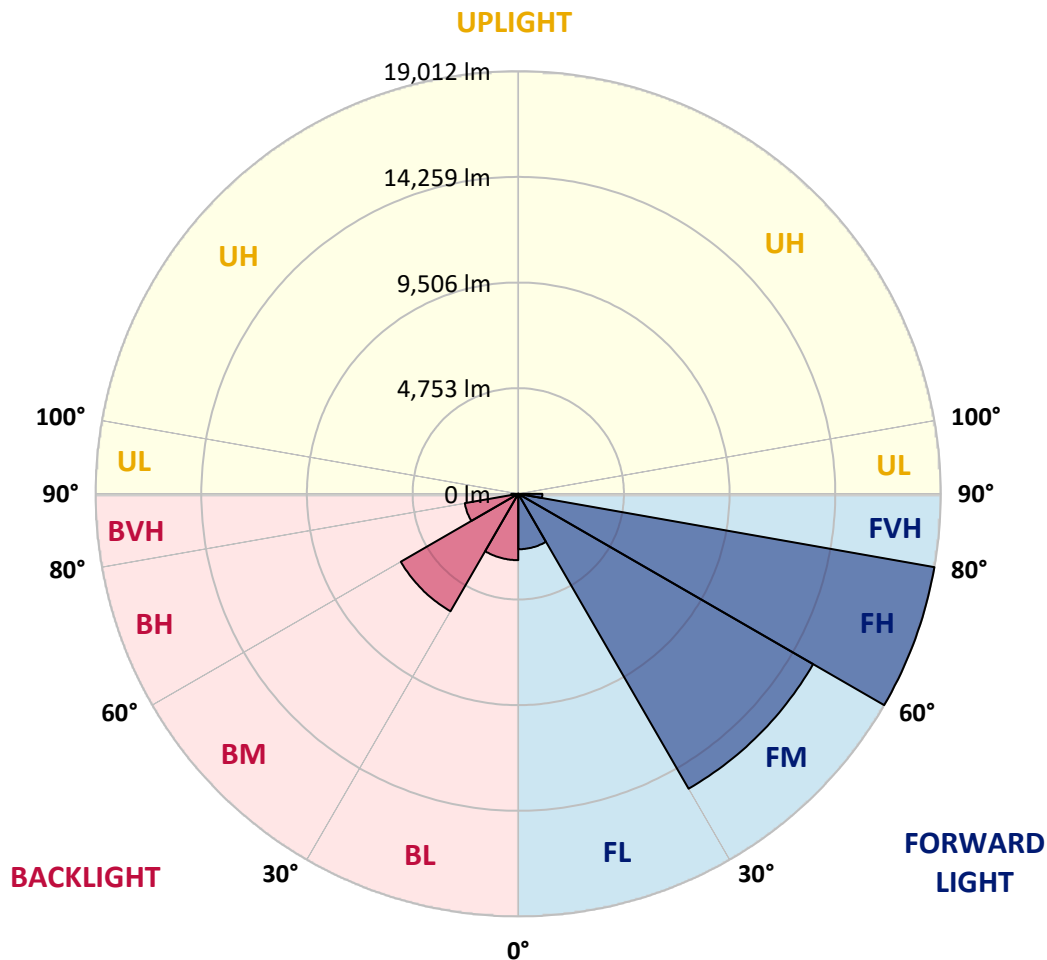


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2494.7	5.0			
FM (30°-60°)	15319.1	30.8			
FH (60°-80°)	19012.2	38.2			G5
FVH (80°-90°)	1081.8	2.2			G5
BL (0°-30°)	2983.4	6.0	B4/5000		
BM (30°-60°)	6099.8	12.3	B4/8500		
BH (60°-80°)	2440.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	314.4	0.6			G3/500
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	6629.0	6629.0	6629.0	6629.0	6629.0	6629.0	6629.0	6629.0	6629.0	6629.0
2.5°	6112.7	6150.3	6166.4	6158.4	6198.7	6193.3	6249.8	6319.7	6416.5	6510.7
5°	5642.0	5682.4	5717.3	5749.6	5827.6	5851.8	5940.5	6075.0	6252.5	6432.7
7.5°	5203.7	5238.7	5292.4	5351.6	5483.4	5507.6	5655.5	5865.2	6112.7	6376.2
10°	4846.0	4881.0	4937.5	5004.7	5168.7	5198.3	5386.6	5666.2	5989.0	6322.4
12.5°	4692.7	4703.5	4735.8	4803.0	4945.5	4964.3	5171.4	5491.4	5867.9	6282.1
15°	4684.7	4706.2	4708.9	4743.8	4862.2	4870.2	5061.2	5378.5	5792.6	6274.0
17.5°	4765.3	4781.5	4757.3	4778.8	4878.3	4891.7	5042.3	5324.7	5768.4	6309.0
20°	4980.5	4993.9	4921.3	4891.7	4964.3	4975.1	5123.0	5359.7	5792.6	6381.6
22.5°	5437.7	5445.7	5268.2	5147.2	5152.6	5158.0	5287.1	5502.2	5886.8	6513.4
25°	6150.3	6144.9	5862.6	5628.6	5494.1	5464.5	5550.6	5733.5	6045.4	6688.2
27.5°	6984.0	6943.6	6661.3	6311.7	6018.5	5975.5	5956.7	6034.7	6271.3	6919.4
30°	7925.2	7887.6	7583.7	7126.5	6720.4	6650.5	6473.0	6432.7	6607.5	7234.1
32.5°	8957.9	8933.7	8570.6	8016.6	7473.4	7392.7	7094.2	6986.7	7123.8	7710.1
35°	9823.8	9802.3	9501.1	8931.0	8266.7	8167.2	7863.4	7742.3	7812.3	8320.5
37.5°	10606.4	10595.6	10337.5	9888.4	9202.6	9081.6	8740.0	8699.7	8686.3	9124.6
40°	11332.5	11305.6	11036.7	10800.0	10291.7	10181.5	9880.3	9845.3	9743.1	10114.3
42.5°	12136.6	12066.6	11676.7	11566.4	11429.3	11337.9	11157.7	11163.1	10937.2	11230.3
45°	12792.7	12752.4	12351.7	12287.2	12435.1	12397.4	12553.4	12593.7	12155.4	12400.1
47.5°	13497.3	13459.7	13120.8	13075.1	13475.8	13486.6	14037.9	14051.3	13344.0	13615.7
50°	14366.0	14312.2	13976.0	14032.5	14481.6	14521.9	15530.4	15439.0	14438.6	14850.0
52.5°	14938.8	14971.0	14898.4	14989.9	15603.0	15640.7	16998.7	16764.8	15522.3	16068.2
55°	15361.0	15425.5	15651.4	15861.2	16786.3	16823.9	18383.7	18026.0	16420.5	17197.7
57.5°	15904.2	15812.8	16235.0	16643.7	17910.4	18009.9	19731.0	19241.6	17216.6	18171.2
60°	16684.1	16619.5	16947.6	17552.7	19168.9	19327.6	21156.3	20336.1	17800.1	18943.0
62.5°	18265.4	18104.0	18155.1	18690.3	20755.6	20965.4	22764.5	21290.8	18090.6	19244.2
65°	20629.2	20352.2	20094.0	20465.2	22990.4	23197.4	24579.7	22041.1	17983.0	18660.7
67.5°	23606.2	23331.9	23014.6	23364.2	26282.0	26446.0	26819.8	22463.3	17135.9	16412.5
70°	26061.5	25959.3	26338.5	27777.2	31539.5	31544.9	29692.0	22113.7	14815.1	11636.4
72.5°	25736.1	25674.2	27672.3	32120.4	38165.8	38023.2	32410.8	19467.5	9979.8	5249.4
75°	21113.3	21514.0	24609.3	32042.4	40545.8	40526.9	30746.1	12375.9	4128.0	2175.6
77.5°	11321.7	11956.4	15976.8	23657.3	31652.4	32128.4	21616.2	4329.7	1772.2	1393.0
80°	3692.3	4246.3	6368.1	12045.1	20567.4	20478.6	9264.5	1699.6	1212.8	987.0
82.5°	1567.8	1632.4	2845.2	5687.8	10555.3	10391.2	2950.1	976.2	852.5	675.0
85°	613.1	685.8	1255.9	2630.1	4571.7	4472.2	1064.9	484.1	545.9	441.0
87.5°	201.7	244.7	449.1	900.9	1422.6	1371.5	260.9	166.7	236.7	201.7
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°
6629.0	0°	6629.0	6629.0	6629.0	6629.0	6629.0	6629.0	6629.0	6629.0	6629.0	6629.0
6647.8	2.5°	6685.5	6728.5	6779.6	6854.9	6919.4	6973.2	7029.7	7064.6	7078.1	7118.4
6658.6	5°	6733.9	6828.0	6954.4	7078.1	7199.1	7271.7	7336.3	7368.5	7398.1	7419.6
6688.2	7.5°	6814.5	6935.6	7134.6	7295.9	7398.1	7457.3	7500.3	7489.5	7500.3	7505.7
6720.4	10°	6884.5	7053.9	7290.5	7443.8	7521.8	7524.5	7513.8	7476.1	7457.3	7460.0
6768.8	12.5°	6967.8	7156.1	7411.6	7540.6	7562.2	7503.0	7457.3	7392.7	7368.5	7357.8
6841.4	15°	7080.8	7295.9	7543.3	7591.7	7538.0	7462.7	7384.7	7279.8	7226.0	7183.0
6965.1	17.5°	7217.9	7454.6	7645.5	7610.6	7494.9	7371.2	7244.8	7086.2	6975.9	6930.2
7134.6	20°	7408.9	7621.3	7723.5	7570.2	7395.4	7207.2	6992.0	6798.4	6696.2	6650.5
7349.7	22.5°	7640.1	7844.5	7798.8	7500.3	7252.9	6951.7	6682.8	6540.2	6489.2	6456.9
7626.7	25°	7917.1	8091.9	7852.6	7398.1	7018.9	6612.9	6405.8	6360.1	6335.9	6311.7
7965.5	27.5°	8277.5	8371.6	7892.9	7247.5	6653.2	6252.5	6177.2	6185.3	6177.2	6136.9
8436.2	30°	8753.5	8734.7	7930.6	7002.8	6233.7	5927.1	5932.5	5967.4	5972.8	5945.9
9092.3	32.5°	9380.1	9189.2	7949.4	6685.5	5833.0	5642.0	5647.4	5685.1	5712.0	5666.2
9950.2	35°	10138.5	9718.9	7919.8	6287.5	5523.7	5370.4	5330.1	5340.8	5348.9	5305.9
10990.9	37.5°	11023.2	10313.3	7788.1	5846.4	5268.2	5104.2	5018.1	4945.5	4902.5	4862.2
12168.8	40°	11994.0	10961.4	7546.0	5416.1	4983.2	4821.8	4692.7	4555.6	4410.4	4356.6
13416.6	42.5°	13010.6	11628.3	7252.9	5004.7	4655.1	4523.3	4386.2	4187.2	3969.3	3859.1
14712.9	45°	14064.8	12311.4	6965.1	4598.6	4318.9	4262.5	4103.8	3864.4	3627.8	3488.0
16011.8	47.5°	15097.4	12956.8	6542.9	4189.8	4004.3	4066.1	3942.4	3721.9	3458.4	3237.9
17299.9	50°	16084.4	13561.9	5851.8	3775.7	3748.8	4007.0	3888.6	3571.3	3270.1	2987.8
18563.9	52.5°	17063.3	14051.3	4967.0	3399.2	3611.7	3990.8	3818.7	3469.1	3100.7	2804.9
19752.5	55°	17894.2	14304.1	4114.5	3076.5	3412.7	3853.7	3735.4	3348.1	2861.4	2546.7
20567.4	57.5°	18367.5	14099.7	3404.6	2759.2	3138.3	3627.8	3592.8	3089.9	2576.3	2334.3
20726.0	60°	18163.2	13271.4	2823.7	2482.2	2877.5	3383.1	3345.4	2834.5	2358.5	2129.9
19876.2	62.5°	17036.4	11692.8	2363.8	2240.1	2640.8	3133.0	3098.0	2638.2	2191.7	1971.2
17619.9	65°	14766.6	9511.9	2006.2	2038.4	2401.5	2831.8	2882.9	2474.1	2060.0	1844.8
13631.8	67.5°	11262.6	6889.8	1726.5	1863.6	2167.5	2536.0	2683.9	2355.8	1949.7	1745.3
7887.6	70°	6419.2	3912.9	1489.8	1694.2	1960.5	2261.7	2530.6	2261.7	1831.4	1662.0
2955.5	72.5°	2433.8	1796.4	1288.1	1524.8	1761.5	2030.4	2361.2	2113.7	1694.2	1567.8
1527.5	75°	1298.9	1094.5	1083.8	1325.8	1532.9	1804.5	2148.7	1968.5	1592.0	1656.6
1056.9	77.5°	884.8	774.5	906.3	1134.9	1282.8	1554.4	1922.8	1748.0	1379.6	1374.2
731.5	80°	613.1	548.6	736.9	914.3	992.3	1307.0	1678.1	1500.6	1124.1	1048.8
451.8	82.5°	368.4	357.7	551.3	683.1	701.9	1008.5	1390.3	1258.6	919.7	801.4
268.9	85°	201.7	212.5	352.3	400.7	408.8	704.6	1089.1	973.5	707.3	594.3
96.8	87.5°	56.5	72.6	129.1	158.7	196.3	365.7	648.1	578.2	355.0	247.4
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°
6629.0
7115.7
7425.0
7513.8
7465.3
7352.4
7196.4
6932.9
6645.1
6462.3
6311.7
6144.9
5959.4
5687.8
5335.5
4889.0
4380.8
3872.5
3477.2
3213.6
2963.5
2772.6
2519.8
2302.0
2097.6
1936.3
1809.9
1713.0
1640.4
1546.3
1710.4
1266.6
1003.1
806.8
599.7
247.4
0.0

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