

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: P851226

Luminaire Tested: **GLAN-SB9A-835-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851226  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9A-835-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33520 lumens  
Efficiency: N/A  
Efficacy: 131.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

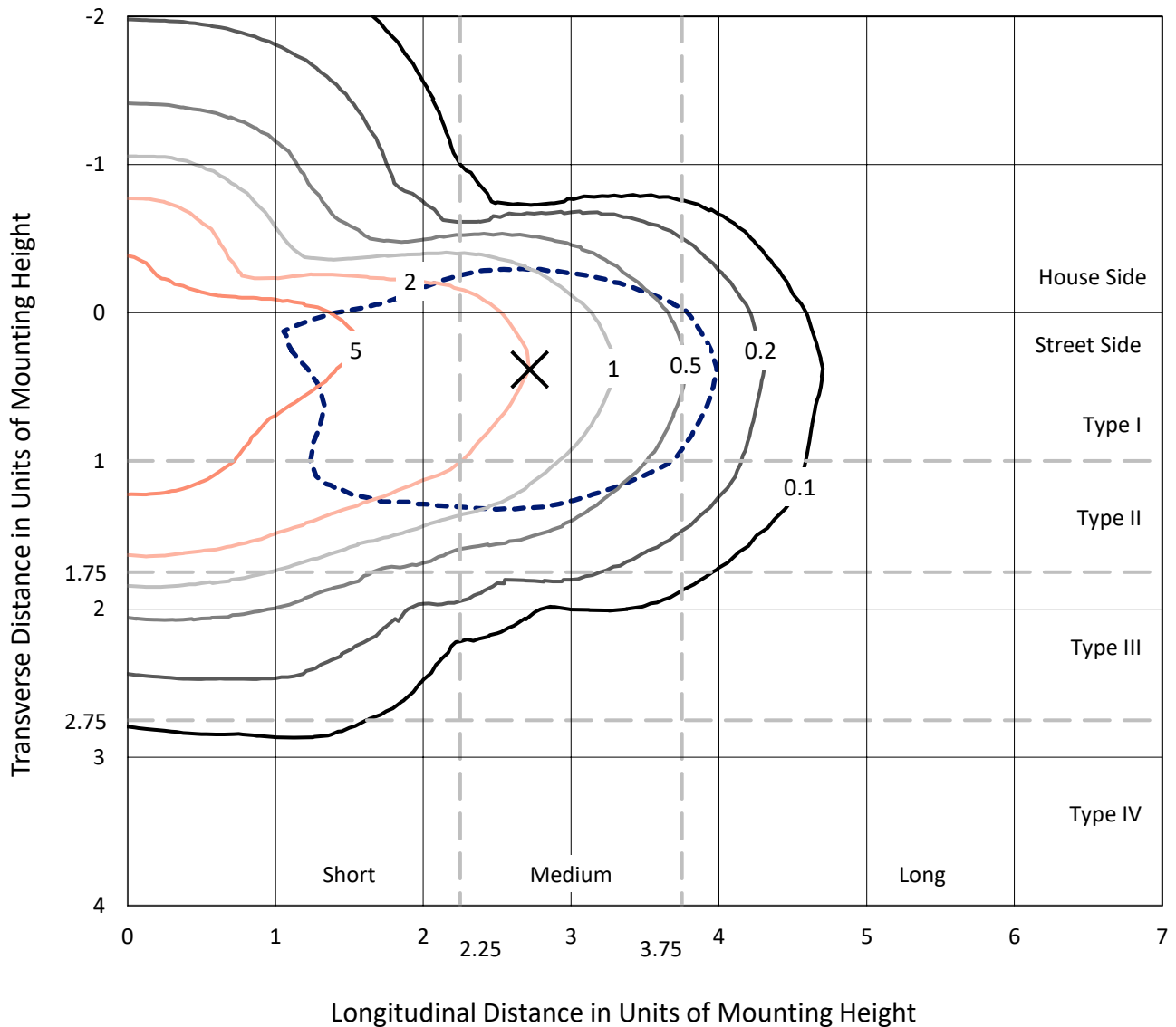
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

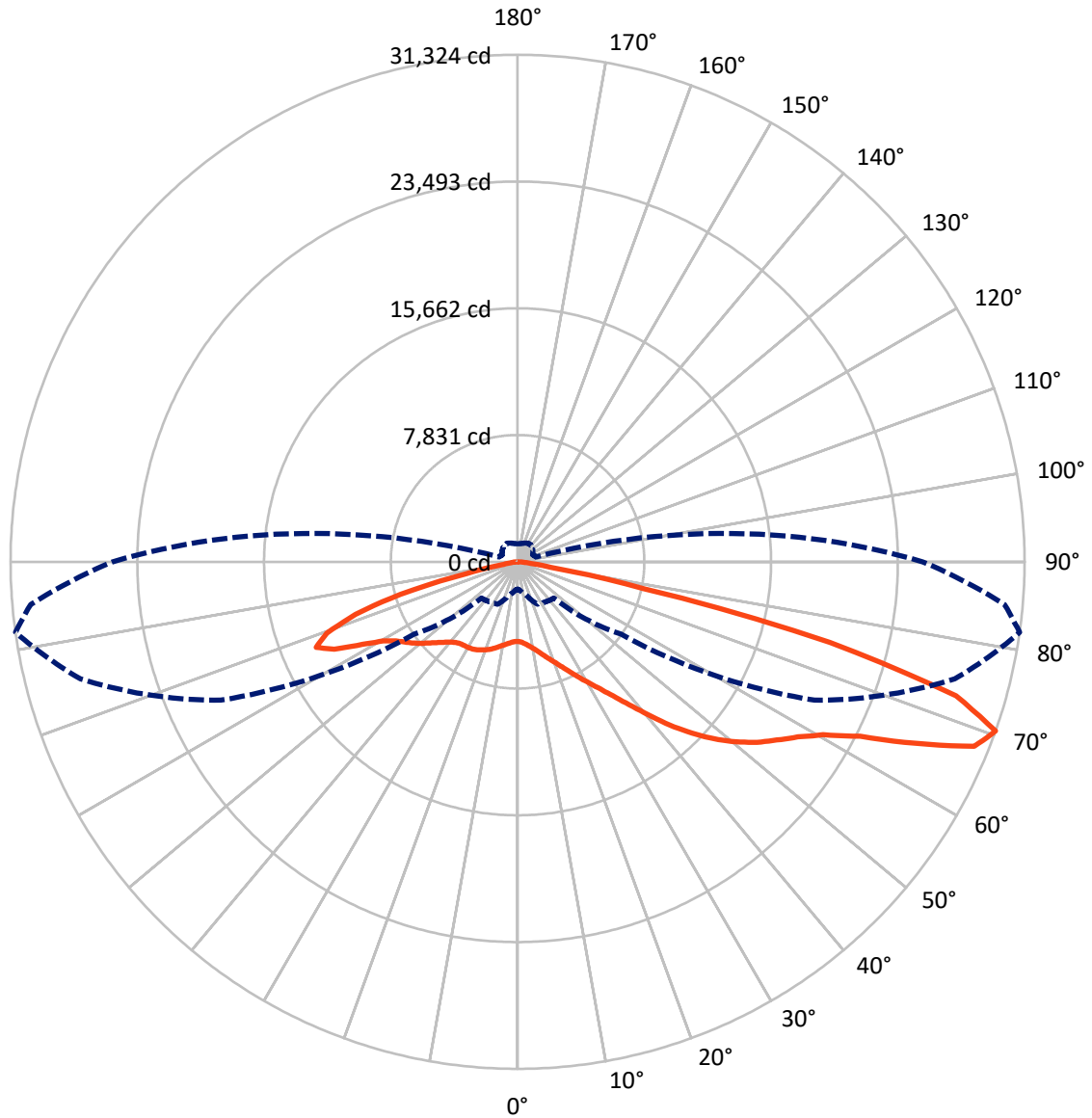
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8263.5	0.0	8263.5
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	25256.5	0.0	25256.5
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	33520.0	0.0	33520.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	464.0	1.4
10°-20°	1333.1	4.0
20°-30°	2230.2	6.7
30°-40°	3484.1	10.4
40°-50°	5548.9	16.6
50°-60°	7722.0	23.0
60°-70°	8077.5	24.1
70°-80°	4221.8	12.6
80°-90°	438.4	1.3
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°	33520.0	100.0
0°-180°	33520.0	100.0

**Coefficient of Utilization**

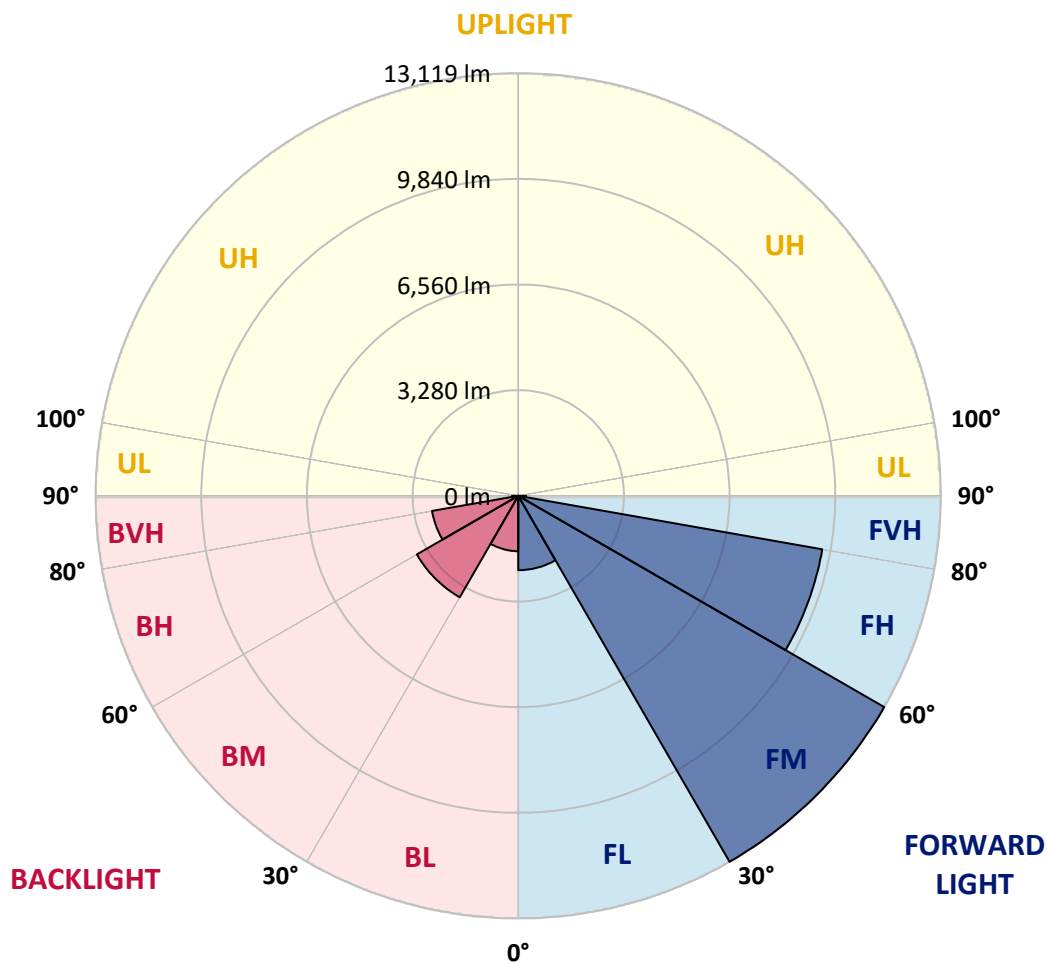


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2308.2	6.9			
FM (30°-60°)	13119.4	39.1			
FH (60°-80°)	9583.5	28.6			G4/12000
FVH (80°-90°)	245.4	0.7			G3/500
BL (0°-30°)	1719.1	5.1	B3/2500		
BM (30°-60°)	3635.6	10.8	B3/5000		
BH (60°-80°)	2715.8	8.1	B4/5000		G4/5000
BVH (80°-90°)	193.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4914.5	4914.5	4914.5	4914.5	4914.5	4914.5	4914.5	4914.5	4914.5	4914.5
2.5°	5031.8	5060.3	5051.4	5042.5	5042.5	5030.1	5028.3	5010.5	4996.3	4973.1
5°	5095.9	5126.1	5122.6	5129.7	5152.8	5158.1	5163.5	5152.8	5124.3	5095.9
7.5°	5039.0	5072.8	5083.4	5126.1	5197.3	5261.3	5309.3	5328.9	5302.2	5261.3
10°	4846.9	4884.2	4921.6	5022.9	5149.2	5300.4	5428.5	5505.0	5499.6	5460.5
12.5°	4457.3	4496.5	4576.5	4773.9	5005.2	5272.0	5510.3	5670.4	5725.5	5697.1
15°	4146.1	4179.9	4240.3	4443.1	4743.7	5149.2	5540.5	5851.8	5992.3	5976.3
17.5°	4137.2	4151.4	4188.8	4284.8	4516.0	4957.1	5508.5	6029.7	6298.3	6296.5
20°	4293.7	4299.0	4320.4	4339.9	4471.6	4811.3	5426.7	6177.3	6641.5	6641.5
22.5°	4510.7	4507.1	4528.5	4510.7	4574.7	4798.8	5375.1	6307.1	7023.9	7052.4
25°	4836.2	4818.4	4813.1	4772.2	4784.6	4914.5	5432.0	6454.8	7477.5	7536.2
27.5°	5270.2	5241.7	5222.2	5127.9	5095.9	5152.8	5606.4	6632.6	7982.6	8084.0
30°	5835.8	5784.2	5755.8	5592.1	5476.5	5485.4	5869.6	6869.2	8510.9	8674.5
32.5°	6607.7	6527.7	6451.2	6182.6	5971.0	5901.6	6209.3	7196.5	9083.6	9345.1
35°	7472.2	7408.1	7326.3	6911.9	6586.4	6426.3	6668.2	7653.6	9754.2	10168.6
37.5°	8304.6	8249.4	8288.6	7730.1	7310.3	7077.3	7269.4	8267.2	10581.3	11193.1
40°	9165.5	9122.8	9128.1	8594.5	8105.4	7843.9	7998.7	9037.4	11529.3	12411.5
42.5°	10101.0	10069.0	9962.3	9489.2	8939.6	8695.9	8838.2	9926.7	12546.7	13798.9
45°	11148.7	11129.1	11029.5	10487.0	9857.4	9583.4	9775.5	10908.6	13569.4	15104.4
47.5°	12054.0	12070.0	12057.6	11600.5	10947.7	10545.7	10775.2	11933.1	14521.0	16331.7
50°	12489.8	12573.4	12696.1	12553.8	12148.3	11739.2	11783.7	12922.0	15428.1	17482.5
52.5°	12262.1	12420.4	12754.8	12982.5	13139.0	13053.6	12934.5	13903.8	16281.9	18521.2
55°	11413.7	11636.0	12191.0	12740.6	13539.2	14160.0	14316.5	14992.4	17114.3	19435.5
57.5°	9868.0	10229.1	10727.1	11838.8	13183.5	14695.3	15927.9	16502.5	17996.5	20412.0
60°	7217.8	7701.6	8320.6	9974.8	11938.4	14409.0	17299.3	18821.8	19250.5	21676.6
62.5°	4619.2	4918.0	5487.2	7045.3	9302.4	12941.6	17719.1	21721.1	21376.0	23750.5
65°	3162.5	3354.6	3875.7	4750.8	6013.7	9633.2	16594.9	23894.6	24751.9	27037.5
67.5°	2298.0	2443.9	2888.6	3655.2	3918.4	5700.6	12877.5	23795.0	28033.5	30424.1
70°	1675.5	1778.7	2152.2	2888.6	3014.8	3171.4	7801.2	20227.0	27962.4	31324.1
72.5°	1241.5	1312.7	1563.4	2241.1	2440.3	2141.5	3861.5	14700.7	24028.0	28332.4
75°	898.2	951.6	1136.6	1714.6	1953.0	1631.0	1926.3	8591.0	16760.4	19929.9
77.5°	686.6	727.5	848.4	1255.7	1563.4	1223.7	1195.3	3952.2	7947.1	7986.2
80°	551.4	578.1	643.9	884.0	1198.8	916.0	779.1	1595.5	2511.5	2125.5
82.5°	405.5	450.0	544.3	620.8	857.3	631.4	474.9	805.7	955.1	821.7
85°	231.2	261.5	329.1	444.7	547.8	386.0	272.1	357.5	444.7	364.6
87.5°	81.8	106.7	115.6	174.3	238.3	160.1	104.9	103.2	145.9	108.5
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°
4914.5	0°	4914.5	4914.5	4914.5	4914.5	4914.5	4914.5	4914.5	4914.5	4914.5	4914.5
4967.8	2.5°	4950.0	4941.1	4905.6	4857.5	4807.7	4759.7	4743.7	4709.9	4686.8	4674.3
5083.4	5°	5049.6	5021.2	4937.6	4830.9	4718.8	4597.8	4512.5	4434.2	4377.3	4323.9
5241.7	7.5°	5191.9	5142.1	4998.0	4811.3	4612.1	4411.1	4261.7	4147.8	4071.4	4021.6
5426.7	10°	5357.3	5280.9	5060.3	4781.1	4473.3	4185.2	4009.1	3911.3	3863.3	3836.6
5638.4	12.5°	5547.7	5439.2	5124.3	4711.7	4261.7	3932.6	3811.7	3783.2	3785.0	3786.8
5905.2	15°	5782.4	5631.3	5175.9	4560.5	3986.0	3738.8	3717.4	3763.7	3811.7	3834.8
6207.5	17.5°	6047.5	5834.0	5184.8	4311.5	3715.6	3614.2	3681.8	3781.4	3854.4	3886.4
6545.5	20°	6332.0	6040.3	5120.8	3959.3	3493.3	3512.9	3633.8	3761.9	3841.9	3882.8
6931.5	22.5°	6657.5	6260.9	4967.8	3589.3	3311.9	3402.6	3544.9	3669.4	3753.0	3793.9
7385.0	25°	7029.3	6508.1	4727.7	3278.1	3155.4	3278.1	3420.4	3523.5	3591.1	3628.5
7891.9	27.5°	7441.9	6766.0	4407.5	3030.8	3018.4	3150.0	3267.4	3347.4	3383.0	3411.5
8430.9	30°	7856.4	7000.8	4019.8	2844.1	2899.2	3023.7	3107.3	3142.9	3153.6	3158.9
9032.1	32.5°	8304.6	7203.6	3612.5	2689.3	2785.4	2901.0	2950.8	2966.8	2917.0	2883.2
9761.3	35°	8847.1	7420.6	3214.0	2566.6	2673.3	2772.9	2788.9	2774.7	2716.0	2646.7
10675.5	37.5°	9517.6	7690.9	2895.7	2479.5	2568.4	2634.2	2614.6	2611.1	2616.4	2534.6
11774.8	40°	10339.4	8043.1	2662.7	2411.9	2483.0	2497.2	2442.1	2472.3	2499.0	2374.5
12980.7	42.5°	11251.8	8468.2	2515.0	2365.6	2411.9	2378.1	2292.7	2326.5	2322.9	2159.3
14192.0	45°	12182.1	8930.7	2463.5	2331.8	2346.1	2278.5	2184.2	2193.1	2118.4	1970.8
15353.4	47.5°	13107.0	9426.9	2495.5	2303.4	2264.2	2187.8	2114.8	2075.7	1965.4	1855.1
16466.9	50°	14014.1	9948.1	2612.9	2246.5	2152.2	2107.7	2054.4	1985.0	1867.6	1773.3
17519.8	52.5°	14855.4	10472.8	2744.5	2152.2	2011.7	2038.3	2004.6	1924.5	1808.9	1712.9
18515.9	55°	15652.3	10997.5	2796.1	2022.3	1880.0	1977.9	1958.3	1810.7	1671.9	1593.7
19558.2	57.5°	16520.2	11628.9	2739.1	1856.9	1773.3	1908.5	1833.8	1670.2	1590.1	1531.4
20915.3	60°	17722.6	12619.6	2616.4	1652.4	1671.9	1805.3	1677.3	1609.7	1522.5	1456.7
22950.1	62.5°	19720.1	14467.7	2419.0	1449.6	1552.8	1652.4	1602.6	1535.0	1446.1	1382.0
26429.2	65°	22672.6	17036.1	2047.2	1291.3	1419.4	1503.0	1522.5	1454.9	1362.5	1294.9
29477.8	67.5°	25162.8	18647.5	1549.2	1159.7	1282.4	1382.0	1437.2	1371.4	1273.5	1207.7
30191.1	70°	25025.8	17477.2	1182.8	1029.8	1161.5	1262.9	1334.0	1282.4	1177.5	1115.2
27423.5	72.5°	22228.0	14620.6	956.9	898.2	1038.7	1138.3	1223.7	1184.6	1077.9	1017.4
20090.0	75°	16329.9	10378.5	764.8	764.8	885.8	1008.5	1102.8	1077.9	980.0	937.4
8434.4	77.5°	6883.4	4354.2	599.4	635.0	736.4	866.2	983.6	992.5	907.1	960.5
2230.4	80°	1830.2	1200.6	457.1	499.8	578.1	715.0	855.5	852.0	759.5	709.7
828.9	82.5°	697.2	473.1	325.5	352.2	418.0	547.8	677.7	699.0	606.5	524.7
325.5	85°	268.6	202.8	201.0	211.7	243.7	362.8	512.3	530.0	457.1	387.7
90.7	87.5°	69.4	60.5	74.7	71.1	112.1	193.9	293.5	304.2	279.3	161.9
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°
4914.5
4688.6
4345.3
4032.2
3843.7
3790.3
3833.0
3893.5
3893.5
3804.6
3639.1
3422.2
3171.4
2893.9
2650.2
2539.9
2378.1
2157.5
1976.1
1855.1
1766.2
1714.6
1586.6
1526.1
1453.2
1382.0
1298.4
1209.5
1120.6
1017.4
924.9
871.5
659.9
524.7
400.2
231.2
0.0

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