

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: P853191

Luminaire Tested: **GLAN-SB9B-840-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853191  
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-840-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

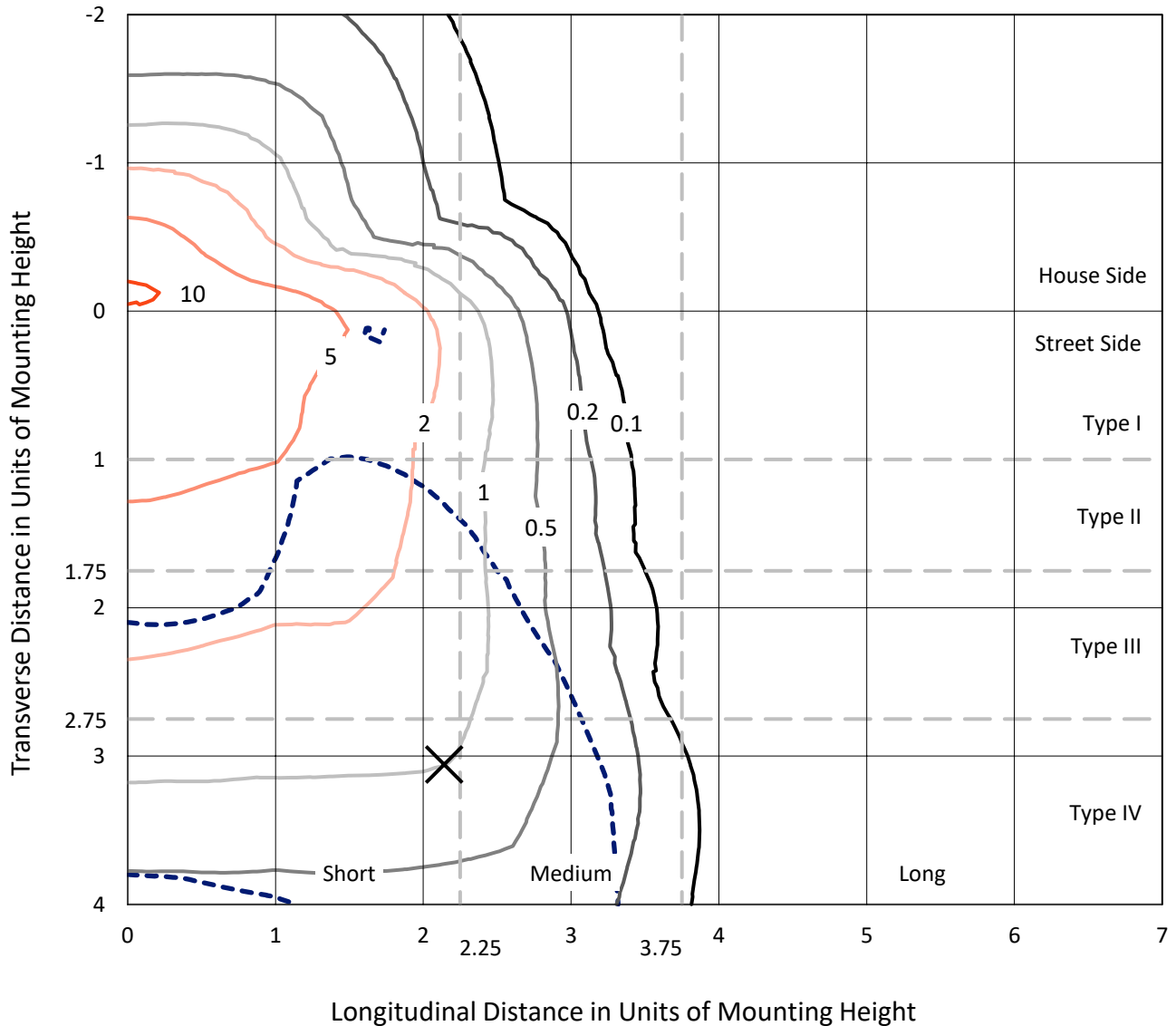
Lumens per Lamp: N/A  
Luminaire Lumens: 45082 lumens  
Efficiency: N/A  
Efficacy: 136.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): 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

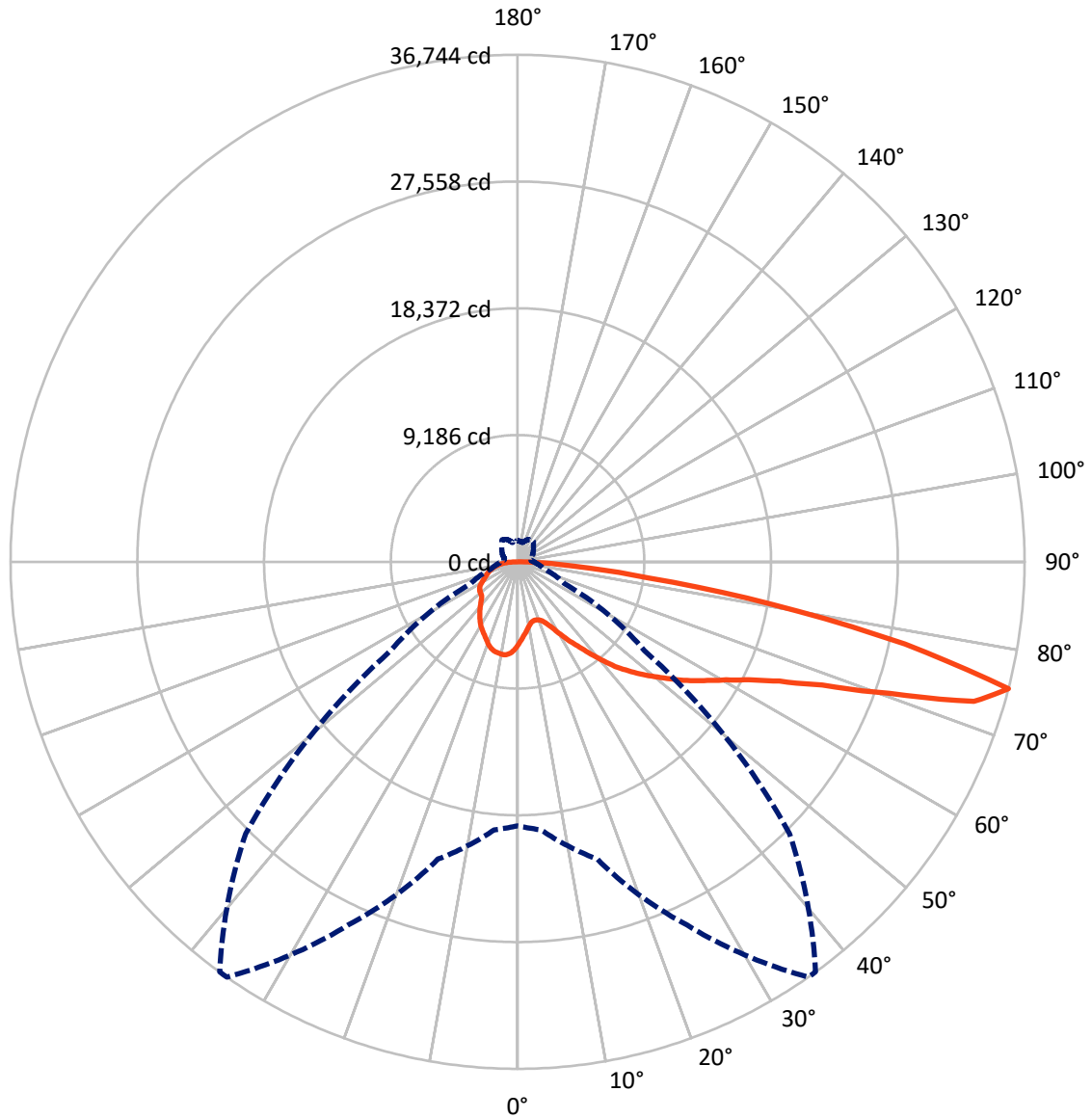
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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
<b>House Side</b>	Lumens	10728.4	0.0	10728.4
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	34353.6	0.0	34353.6
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	45082.0	0.0	45082.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	568.8	1.3
10°-20°	1640.6	3.6
20°-30°	2755.0	6.1
30°-40°	4281.7	9.5
40°-50°	6355.2	14.1
50°-60°	8773.8	19.5
60°-70°	10644.6	23.6
70°-80°	8796.9	19.5
80°-90°	1265.3	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°	45082.0	100.0
0°-180°	45082.0	100.0

**Coefficient of Utilization**

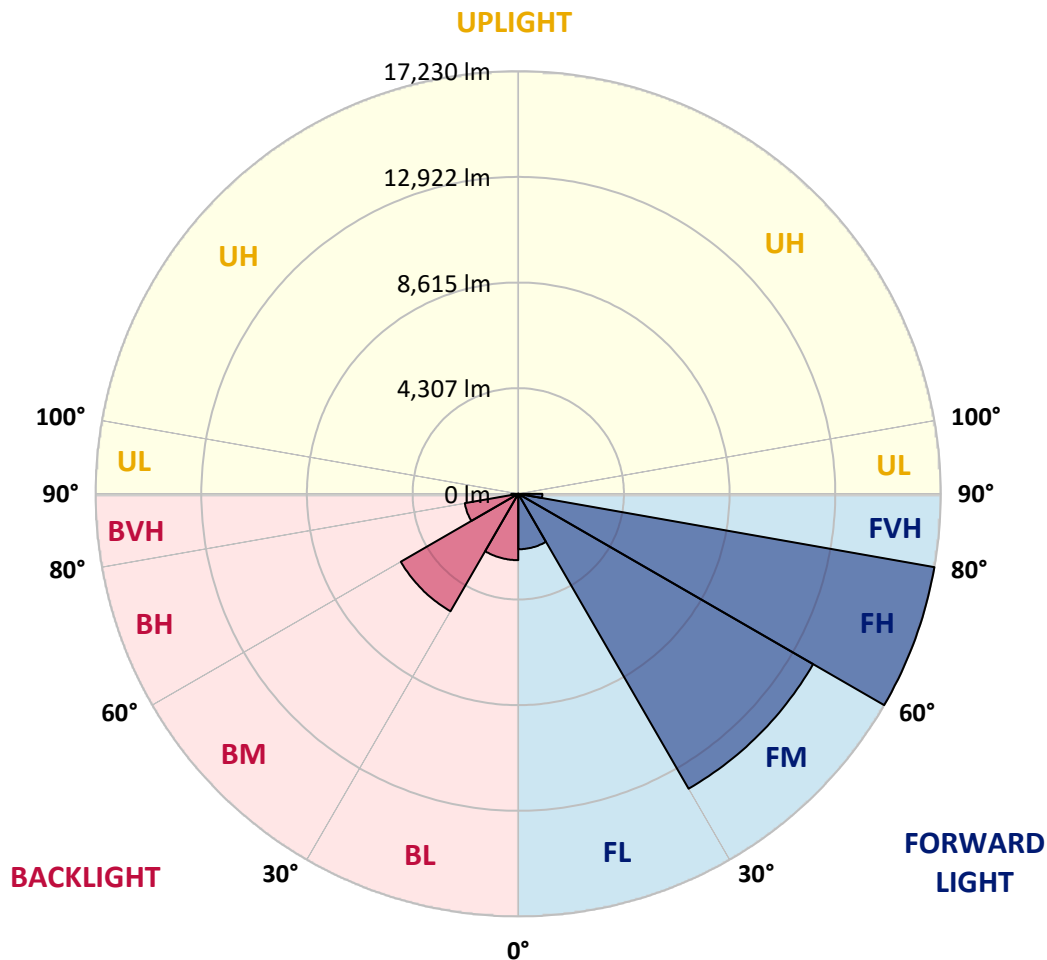


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2260.8	5.0			
FM (30°-60°)	13882.8	30.8			
FH (60°-80°)	17229.7	38.2			G5
FVH (80°-90°)	980.4	2.2			G5
BL (0°-30°)	2703.7	6.0	B4/5000		
BM (30°-60°)	5527.9	12.3	B4/8500		
BH (60°-80°)	2211.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	284.9	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°	6007.5	6007.5	6007.5	6007.5	6007.5	6007.5	6007.5	6007.5	6007.5	6007.5
2.5°	5539.6	5573.7	5588.3	5581.0	5617.5	5612.7	5663.8	5727.2	5814.9	5900.2
5°	5113.1	5149.6	5181.3	5210.5	5281.2	5303.2	5383.6	5505.4	5666.3	5829.6
7.5°	4715.8	4747.5	4796.2	4849.9	4969.3	4991.2	5125.2	5315.3	5539.6	5778.4
10°	4391.7	4423.4	4474.5	4535.5	4684.1	4710.9	4881.5	5135.0	5427.4	5729.7
12.5°	4252.8	4262.5	4291.8	4352.7	4481.8	4498.9	4686.6	4976.6	5317.8	5693.1
15°	4245.4	4264.9	4267.4	4299.1	4406.3	4413.6	4586.6	4874.2	5249.5	5685.8
17.5°	4318.6	4333.2	4311.3	4330.7	4420.9	4433.1	4569.6	4825.5	5227.6	5717.5
20°	4513.5	4525.7	4459.9	4433.1	4498.9	4508.7	4642.7	4857.2	5249.5	5783.3
22.5°	4927.8	4935.2	4774.3	4664.6	4669.5	4674.4	4791.4	4986.3	5334.8	5902.7
25°	5573.7	5568.8	5312.9	5100.9	4979.0	4952.2	5030.2	5195.9	5478.6	6061.1
27.5°	6329.2	6292.6	6036.7	5719.9	5454.3	5415.3	5398.2	5468.9	5683.3	6270.7
30°	7182.2	7148.0	6872.7	6458.3	6090.3	6027.0	5866.1	5829.6	5988.0	6555.8
32.5°	8118.0	8096.1	7767.1	7265.0	6772.7	6699.6	6429.1	6331.6	6455.9	6987.2
35°	8902.8	8883.3	8610.3	8093.6	7491.7	7401.5	7126.1	7016.4	7079.8	7540.4
37.5°	9612.0	9602.2	9368.3	8961.3	8339.8	8230.1	7920.6	7884.1	7871.9	8269.1
40°	10270.0	10245.6	10001.9	9787.4	9326.8	9226.9	8954.0	8922.3	8829.7	9166.0
42.5°	10998.7	10935.3	10581.9	10482.0	10357.7	10274.9	10111.6	10116.5	9911.7	10177.4
45°	11593.3	11556.8	11193.7	11135.2	11269.2	11235.1	11376.4	11413.0	11015.7	11237.5
47.5°	12231.9	12197.7	11890.7	11849.2	12212.4	12222.1	12721.7	12733.9	12093.0	12339.1
50°	13019.1	12970.3	12665.7	12716.9	13123.8	13160.4	14074.3	13991.5	13084.9	13457.7
52.5°	13538.2	13567.4	13501.6	13584.5	14140.1	14174.2	15405.0	15193.0	14067.0	14561.7
55°	13920.8	13979.3	14184.0	14374.1	15212.5	15246.6	16660.1	16336.0	14881.0	15585.3
57.5°	14413.1	14330.2	14712.8	15083.3	16231.2	16321.3	17881.1	17437.5	15602.4	16467.6
60°	15119.8	15061.4	15358.7	15907.0	17371.7	17515.5	19172.8	18429.4	16131.2	17167.0
62.5°	16552.9	16406.6	16452.9	16937.9	18809.6	18999.7	20630.2	19294.6	16394.5	17440.0
65°	18695.1	18444.1	18210.1	18546.4	20834.9	21022.5	22275.2	19974.6	16297.0	16911.1
67.5°	21393.0	21144.4	20856.8	21173.6	23817.9	23966.6	24305.3	20357.2	15529.3	14873.7
70°	23618.1	23525.4	23869.1	25172.9	28582.5	28587.3	26908.2	20040.4	13426.1	10545.4
72.5°	23323.2	23267.1	25077.9	29108.9	34587.5	34458.3	29372.1	17642.3	9044.1	4757.2
75°	19133.8	19496.9	22302.0	29038.2	36744.3	36727.3	27863.5	11215.6	3741.0	1971.6
77.5°	10260.2	10835.4	14478.9	21439.3	28684.8	29116.2	19589.5	3923.8	1606.1	1262.4
80°	3346.2	3848.2	5771.1	10915.8	18639.0	18558.6	8395.9	1540.3	1099.1	894.4
82.5°	1420.8	1479.3	2578.5	5154.5	9565.7	9417.0	2673.5	884.7	772.6	611.7
85°	555.7	621.5	1138.1	2383.5	4143.1	4052.9	965.1	438.7	494.7	399.7
87.5°	182.8	221.8	407.0	816.4	1289.2	1242.9	236.4	151.1	214.5	182.8
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°
6007.5	0°	6007.5	6007.5	6007.5	6007.5	6007.5	6007.5	6007.5	6007.5	6007.5	6007.5
6024.5	2.5°	6058.7	6097.7	6144.0	6212.2	6270.7	6319.4	6370.6	6402.3	6414.5	6451.0
6034.3	5°	6102.5	6187.8	6302.4	6414.5	6524.1	6590.0	6648.4	6677.7	6704.5	6724.0
6061.1	7.5°	6175.6	6285.3	6465.7	6611.9	6704.5	6758.1	6797.1	6787.4	6797.1	6802.0
6090.3	10°	6239.0	6392.5	6607.0	6745.9	6816.6	6819.0	6809.3	6775.2	6758.1	6760.5
6134.2	12.5°	6314.6	6485.2	6716.7	6833.7	6853.2	6799.5	6758.1	6699.6	6677.7	6667.9
6200.0	15°	6416.9	6611.9	6836.1	6880.0	6831.2	6763.0	6692.3	6597.3	6548.5	6509.5
6312.1	17.5°	6541.2	6755.7	6928.7	6897.0	6792.2	6680.1	6565.6	6421.8	6321.9	6280.4
6465.7	20°	6714.2	6906.8	6999.4	6860.5	6702.1	6531.5	6336.5	6161.0	6068.4	6027.0
6660.6	22.5°	6923.8	7109.1	7067.6	6797.1	6572.9	6299.9	6056.2	5927.1	5880.8	5851.5
6911.7	25°	7174.9	7333.3	7116.4	6704.5	6360.9	5992.9	5805.2	5763.8	5741.8	5719.9
7218.7	27.5°	7501.4	7586.7	7152.9	6568.0	6029.4	5666.3	5598.0	5605.4	5598.0	5561.5
7645.2	30°	7932.8	7915.7	7187.0	6346.2	5649.2	5371.4	5376.3	5408.0	5412.8	5388.5
8239.9	32.5°	8500.6	8327.6	7204.1	6058.7	5286.1	5113.1	5117.9	5152.1	5176.4	5135.0
9017.3	35°	9187.9	8807.7	7177.3	5698.0	5005.8	4866.9	4830.4	4840.1	4847.4	4808.4
9960.5	37.5°	9989.7	9346.3	7057.9	5298.3	4774.3	4625.6	4547.7	4481.8	4442.9	4406.3
11027.9	40°	10869.5	9933.7	6838.5	4908.3	4516.0	4369.7	4252.8	4128.5	3996.9	3948.1
12158.8	42.5°	11790.7	10538.1	6572.9	4535.5	4218.6	4099.2	3974.9	3794.6	3597.2	3497.3
13333.4	45°	12746.1	11157.1	6312.1	4167.5	3914.0	3862.8	3719.0	3502.1	3287.7	3160.9
14510.6	47.5°	13681.9	11742.0	5929.5	3797.0	3628.9	3684.9	3572.8	3373.0	3134.1	2934.3
15677.9	50°	14576.4	12290.4	5303.2	3421.7	3397.3	3631.3	3524.1	3236.5	2963.5	2707.6
16823.4	52.5°	15463.5	12733.9	4501.3	3080.5	3273.0	3616.7	3460.7	3143.9	2810.0	2541.9
17900.6	55°	16216.5	12963.0	3728.8	2788.1	3092.7	3492.4	3385.1	3034.2	2593.1	2307.9
18639.0	57.5°	16645.5	12777.8	3085.4	2500.5	2844.1	3287.7	3256.0	2800.2	2334.8	2115.4
18782.8	60°	16460.3	12027.1	2559.0	2249.5	2607.7	3065.9	3031.8	2568.7	2137.3	1930.2
18012.7	62.5°	15439.1	10596.6	2142.2	2030.1	2393.2	2839.2	2807.6	2390.8	1986.2	1786.4
15968.0	65°	13382.2	8620.1	1818.1	1847.3	2176.3	2566.3	2612.6	2242.1	1866.8	1671.9
12353.7	67.5°	10206.6	6243.9	1564.6	1688.9	1964.3	2298.2	2432.2	2134.9	1766.9	1581.7
7148.0	70°	5817.4	3546.0	1350.2	1535.4	1776.7	2049.6	2293.3	2049.6	1659.7	1506.1
2678.4	72.5°	2205.6	1628.0	1167.4	1381.8	1596.3	1840.0	2139.8	1915.6	1535.4	1420.8
1384.3	75°	1177.1	991.9	982.2	1201.5	1389.2	1635.3	1947.3	1784.0	1442.8	1501.3
957.8	77.5°	801.8	701.9	821.3	1028.5	1162.5	1408.7	1742.5	1584.1	1250.2	1245.4
662.9	80°	555.7	497.2	667.8	828.6	899.3	1184.4	1520.8	1359.9	1018.7	950.5
409.4	82.5°	333.9	324.1	499.6	619.0	636.1	913.9	1260.0	1140.6	833.5	726.3
243.7	85°	182.8	192.5	319.3	363.1	370.4	638.5	987.0	882.2	641.0	538.6
87.7	87.5°	51.2	65.8	117.0	143.8	177.9	331.4	587.3	524.0	321.7	224.2
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°
6007.5
6448.6
6728.9
6809.3
6765.4
6663.1
6521.7
6282.9
6022.1
5856.4
5719.9
5568.8
5400.6
5154.5
4835.2
4430.7
3970.1
3509.4
3151.2
2912.3
2685.7
2512.7
2283.6
2086.2
1900.9
1754.7
1640.2
1552.4
1486.6
1401.3
1550.0
1147.9
909.0
731.1
543.5
224.2
0.0

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