

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: P852849

Luminaire Tested: **GLAN-SB6D-835-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852849  
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-SB6D-835-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 50499 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

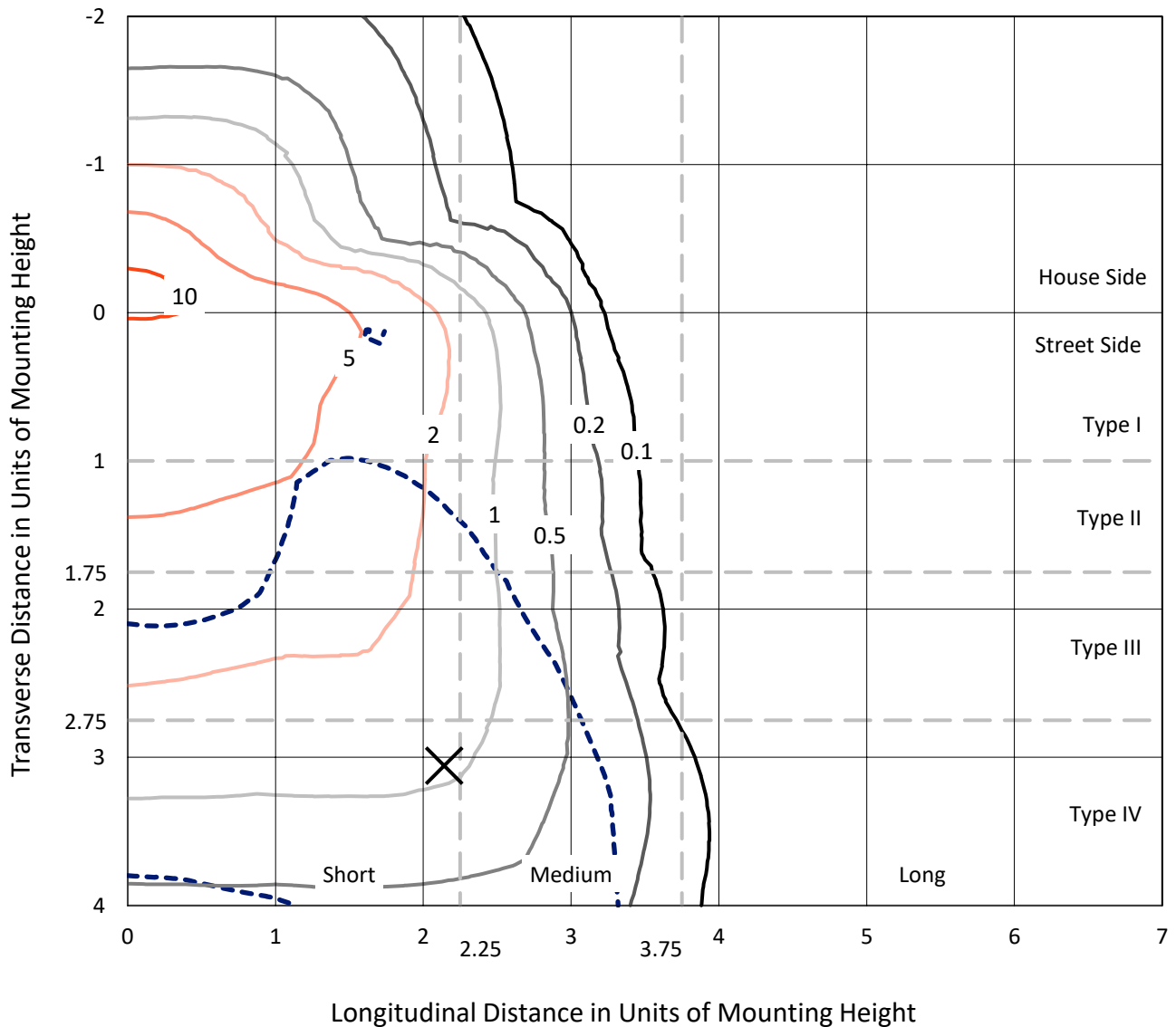
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

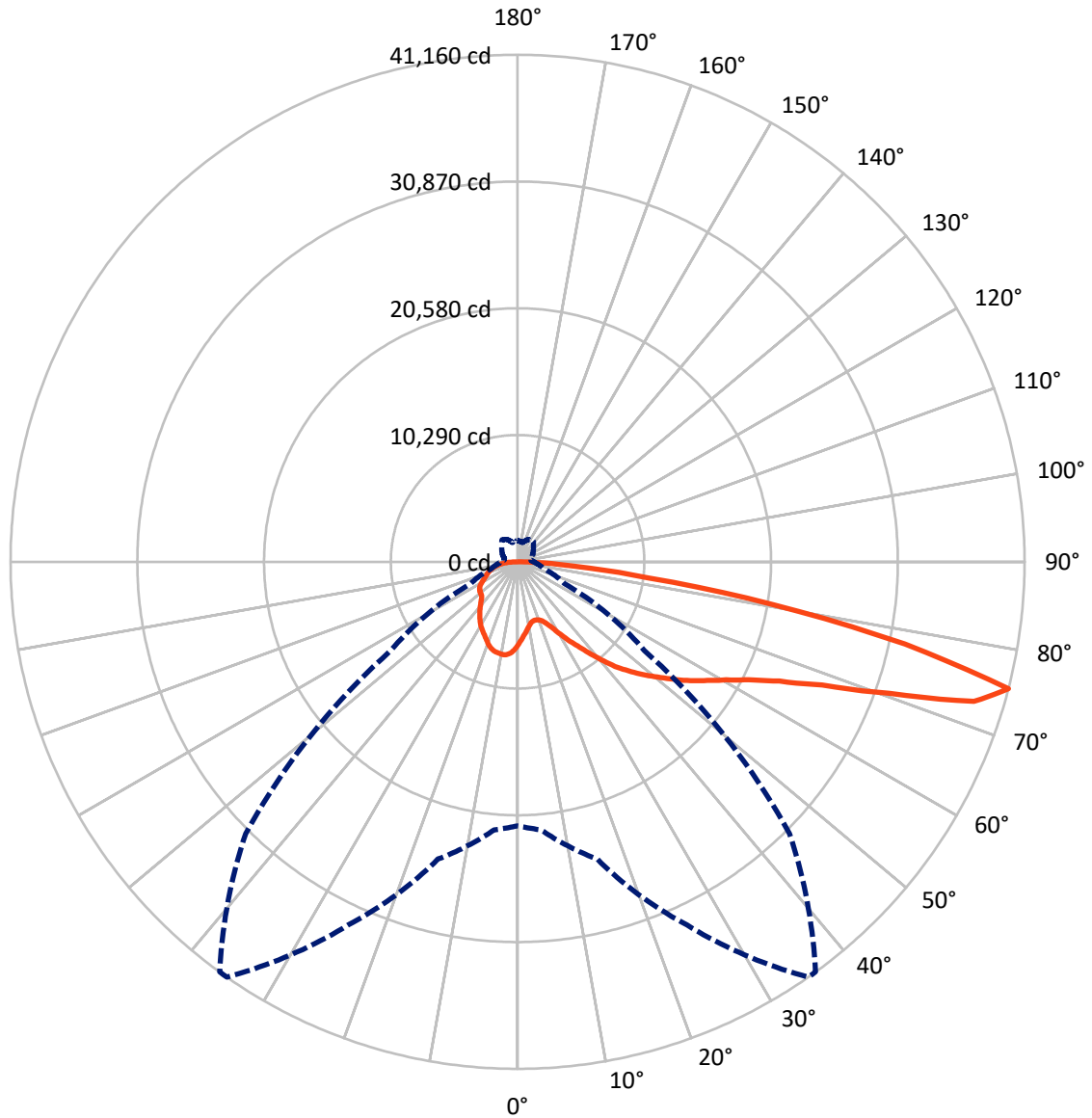
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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	12017.5	0.0	12017.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	38481.5	0.0	38481.5
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	50499.0	0.0	50499.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	637.1	1.3
10°-20°	1837.8	3.6
20°-30°	3086.1	6.1
30°-40°	4796.2	9.5
40°-50°	7118.9	14.1
50°-60°	9828.0	19.5
60°-70°	11923.6	23.6
70°-80°	9854.0	19.5
80°-90°	1417.3	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°	50499.0	100.0
0°-180°	50499.0	100.0

**Coefficient of Utilization**

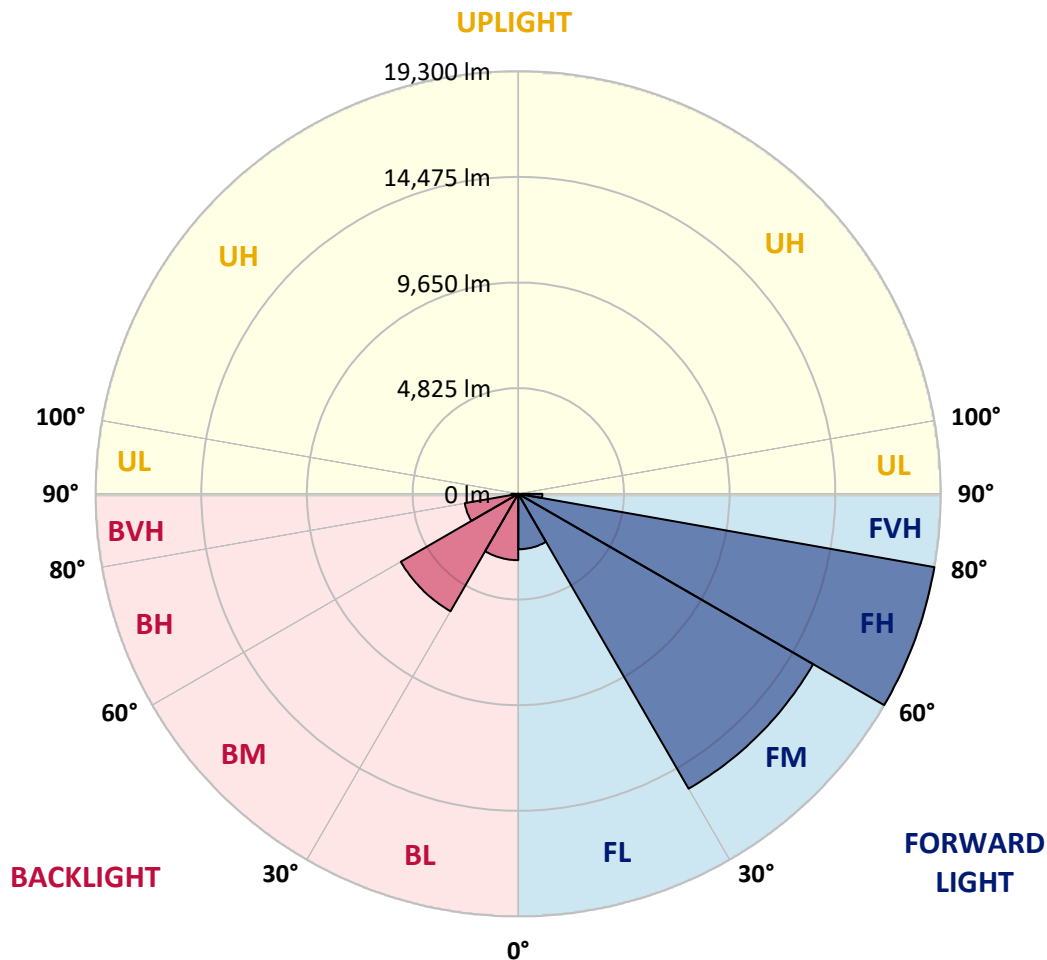


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2532.4	5.0			
FM (30°-60°)	15551.0	30.8			
FH (60°-80°)	19300.0	38.2			G5
FVH (80°-90°)	1098.2	2.2			G5
BL (0°-30°)	3028.6	6.0	B4/5000		
BM (30°-60°)	6192.1	12.3	B4/8500		
BH (60°-80°)	2477.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	319.1	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°	6729.3	6729.3	6729.3	6729.3	6729.3	6729.3	6729.3	6729.3	6729.3	6729.3
2.5°	6205.2	6243.4	6259.8	6251.6	6292.5	6287.1	6344.4	6415.4	6513.7	6609.2
5°	5727.4	5768.4	5803.9	5836.6	5915.8	5940.4	6030.5	6167.0	6347.1	6530.0
7.5°	5282.5	5317.9	5372.5	5432.6	5566.4	5590.9	5741.1	5954.0	6205.2	6472.7
10°	4919.4	4954.9	5012.2	5080.4	5247.0	5277.0	5468.1	5752.0	6079.6	6418.1
12.5°	4763.8	4774.7	4807.4	4875.7	5020.4	5039.5	5249.7	5574.6	5956.8	6377.2
15°	4755.6	4777.4	4780.1	4815.6	4935.8	4943.9	5137.8	5459.9	5880.3	6369.0
17.5°	4837.5	4853.9	4829.3	4851.1	4952.1	4965.8	5118.7	5405.3	5855.7	6404.5
20°	5055.9	5069.5	4995.8	4965.8	5039.5	5050.4	5200.6	5440.8	5880.3	6478.2
22.5°	5520.0	5528.2	5348.0	5225.1	5230.6	5236.0	5367.1	5585.5	5975.9	6611.9
25°	6243.4	6237.9	5951.3	5713.8	5577.3	5547.3	5634.6	5820.3	6136.9	6789.4
27.5°	7089.7	7048.7	6762.1	6407.2	6109.6	6066.0	6046.8	6126.0	6366.2	7024.2
30°	8045.2	8007.0	7698.5	7234.4	6822.2	6751.2	6571.0	6530.0	6707.5	7343.6
32.5°	9093.5	9068.9	8700.4	8138.0	7586.5	7504.6	7201.6	7092.4	7231.6	7826.8
35°	9972.5	9950.7	9644.9	9066.2	8391.9	8290.9	7982.4	7859.5	7930.5	8446.5
37.5°	10766.9	10756.0	10493.9	10038.0	9341.9	9219.1	8872.3	8831.4	8817.7	9262.7
40°	11504.0	11476.7	11203.7	10963.5	10447.5	10335.6	10029.8	9994.4	9890.6	10267.4
42.5°	12320.3	12249.3	11853.5	11741.5	11602.3	11509.5	11326.6	11332.0	11102.7	11400.3
45°	12986.4	12945.4	12538.7	12473.2	12623.3	12585.1	12743.4	12784.4	12339.4	12587.8
47.5°	13701.6	13663.4	13319.4	13273.0	13679.8	13690.7	14250.4	14264.0	13546.0	13821.8
50°	14583.4	14528.8	14187.6	14244.9	14700.8	14741.7	15765.5	15672.7	14657.1	15074.8
52.5°	15164.9	15197.6	15123.9	15216.8	15839.2	15877.4	17256.0	17018.5	15757.3	16311.5
55°	15593.5	15659.0	15888.3	16101.3	17040.4	17078.6	18662.0	18298.9	16669.1	17458.0
57.5°	16144.9	16052.1	16480.7	16895.7	18181.5	18282.5	20029.7	19532.8	17477.2	18446.3
60°	16936.6	16871.1	17204.2	17818.4	19459.1	19620.2	21476.5	20643.9	18069.6	19229.8
62.5°	18541.8	18378.0	18429.9	18973.2	21069.8	21282.7	23109.0	21613.0	18364.4	19535.5
65°	20941.5	20660.3	20398.2	20774.9	23338.4	23548.6	24951.8	22374.7	18255.2	18943.1
67.5°	23963.5	23685.1	23362.9	23717.8	26679.8	26846.4	27225.8	22803.3	17395.3	16660.9
70°	26456.0	26352.2	26737.2	28197.7	32016.9	32022.3	30141.4	22448.4	15039.3	11812.5
72.5°	26125.6	26062.9	28091.2	32606.6	38743.5	38598.8	32901.4	19762.1	10130.9	5328.9
75°	21432.9	21839.6	24981.8	32527.4	41159.5	41140.4	31211.5	12563.2	4190.5	2208.5
77.5°	11493.1	12137.4	16218.6	24015.4	32131.5	32614.7	21943.4	4395.2	1799.0	1414.1
80°	3748.2	4310.6	6464.5	12227.5	20878.7	20788.6	9404.7	1725.3	1231.2	1001.9
82.5°	1591.6	1657.1	2888.3	5773.8	10715.1	10548.5	2994.8	991.0	865.4	685.2
85°	622.4	696.1	1274.9	2669.9	4640.9	4539.9	1081.1	491.4	554.2	447.7
87.5°	204.7	248.4	455.9	914.5	1444.1	1392.3	264.8	169.3	240.2	204.7
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°
6729.3	0°	6729.3	6729.3	6729.3	6729.3	6729.3	6729.3	6729.3	6729.3	6729.3	6729.3
6748.4	2.5°	6786.7	6830.3	6882.2	6958.6	7024.2	7078.8	7136.1	7171.6	7185.2	7226.2
6759.4	5°	6835.8	6931.3	7059.7	7185.2	7308.1	7381.8	7447.3	7480.1	7510.1	7531.9
6789.4	7.5°	6917.7	7040.5	7242.6	7406.4	7510.1	7570.2	7613.8	7602.9	7613.8	7619.3
6822.2	10°	6988.7	7160.7	7400.9	7556.5	7635.7	7638.4	7627.5	7589.3	7570.2	7572.9
6871.3	12.5°	7073.3	7264.4	7523.7	7654.8	7676.6	7616.6	7570.2	7504.6	7480.1	7469.2
6945.0	15°	7188.0	7406.4	7657.5	7706.7	7652.1	7575.6	7496.5	7390.0	7335.4	7291.7
7070.6	17.5°	7327.2	7567.4	7761.3	7725.8	7608.4	7482.8	7354.5	7193.4	7081.5	7035.1
7242.6	20°	7521.0	7736.7	7840.4	7684.8	7507.4	7316.3	7097.9	6901.3	6797.6	6751.2
7461.0	22.5°	7755.8	7963.3	7916.9	7613.8	7362.7	7056.9	6783.9	6639.2	6587.4	6554.6
7742.1	25°	8037.0	8214.4	7971.5	7510.1	7125.2	6713.0	6502.7	6456.3	6431.8	6407.2
8086.1	27.5°	8402.8	8498.3	8012.4	7357.2	6753.9	6347.1	6270.7	6278.9	6270.7	6229.8
8563.9	30°	8886.0	8866.9	8050.6	7108.8	6328.0	6016.8	6022.3	6057.8	6063.2	6035.9
9230.0	32.5°	9522.1	9328.2	8069.7	6786.7	5921.3	5727.4	5732.9	5771.1	5798.4	5752.0
10100.8	35°	10291.9	9866.0	8039.7	6382.6	5607.3	5451.7	5410.8	5421.7	5429.9	5386.2
11157.3	37.5°	11190.1	10469.4	7905.9	5934.9	5348.0	5181.5	5094.1	5020.4	4976.7	4935.8
12353.0	40°	12175.6	11127.3	7660.2	5498.1	5058.6	4894.8	4763.8	4624.5	4477.1	4422.5
13619.7	42.5°	13207.5	11804.3	7362.7	5080.4	4725.5	4591.8	4452.6	4250.5	4029.4	3917.5
14935.6	45°	14277.7	12497.7	7070.6	4668.2	4384.3	4327.0	4165.9	3922.9	3682.7	3540.7
16254.1	47.5°	15326.0	13152.9	6642.0	4253.3	4064.9	4127.7	4002.1	3778.3	3510.7	3286.9
17561.8	50°	16327.8	13767.2	5940.4	3832.9	3805.6	4067.6	3947.5	3625.4	3319.6	3033.0
18844.9	52.5°	17321.5	14264.0	5042.2	3450.7	3666.3	4051.2	3876.5	3521.6	3147.6	2847.3
20051.5	55°	18165.1	14520.6	4176.8	3123.1	3464.3	3912.0	3791.9	3398.8	2904.7	2585.3
20878.7	57.5°	18645.6	14313.1	3456.1	2800.9	3185.9	3682.7	3647.2	3136.7	2615.3	2369.6
21039.7	60°	18438.1	13472.3	2866.5	2519.7	2921.0	3434.3	3396.1	2877.4	2394.2	2162.1
20177.1	62.5°	17294.3	11869.8	2399.6	2274.1	2680.8	3180.4	3144.9	2678.1	2224.9	2001.1
17886.6	65°	14990.2	9655.8	2036.5	2069.3	2437.8	2874.6	2926.5	2511.6	2091.1	1872.7
13838.1	67.5°	11433.0	6994.1	1752.6	1891.9	2200.3	2574.3	2724.5	2391.4	1979.2	1771.7
8007.0	70°	6516.4	3972.1	1512.4	1719.9	1990.1	2295.9	2568.9	2295.9	1859.1	1687.1
3000.2	72.5°	2470.6	1823.6	1307.6	1547.9	1788.1	2061.1	2396.9	2145.7	1719.9	1591.6
1550.6	75°	1318.6	1111.1	1100.2	1345.9	1556.1	1831.8	2181.2	1998.3	1616.1	1681.7
1072.9	77.5°	898.2	786.2	920.0	1152.0	1302.2	1577.9	1951.9	1774.5	1400.5	1395.0
742.5	80°	622.4	556.9	748.0	928.2	1007.4	1326.8	1703.5	1523.3	1141.1	1064.7
458.6	82.5°	374.0	363.1	559.6	693.4	712.5	1023.7	1411.4	1277.6	933.6	813.5
273.0	85°	204.7	215.7	357.6	406.8	415.0	715.2	1105.6	988.2	718.0	603.3
98.3	87.5°	57.3	73.7	131.0	161.1	199.3	371.3	657.9	586.9	360.4	251.2
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°
6729.3
7223.5
7537.4
7627.5
7578.3
7463.7
7305.4
7037.8
6745.7
6560.1
6407.2
6237.9
6049.6
5773.8
5416.2
4963.1
4447.1
3931.1
3529.8
3262.3
3008.4
2814.6
2558.0
2336.8
2129.4
1965.6
1837.3
1739.0
1665.3
1569.7
1736.2
1285.8
1018.3
819.0
608.8
251.2
0.0

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