

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: P851398

Luminaire Tested: **GLAN-SB9B-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851398  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42495 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

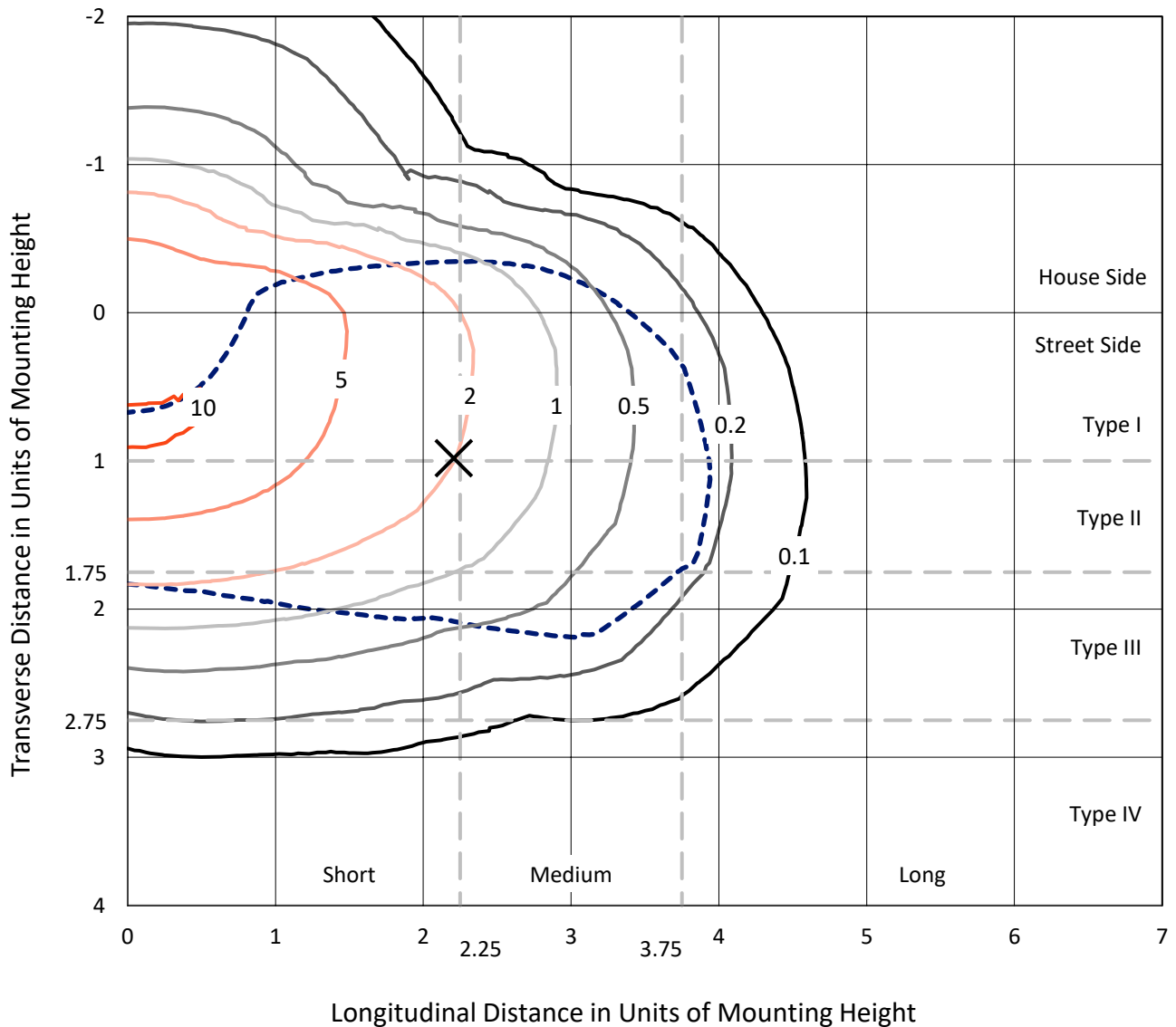
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

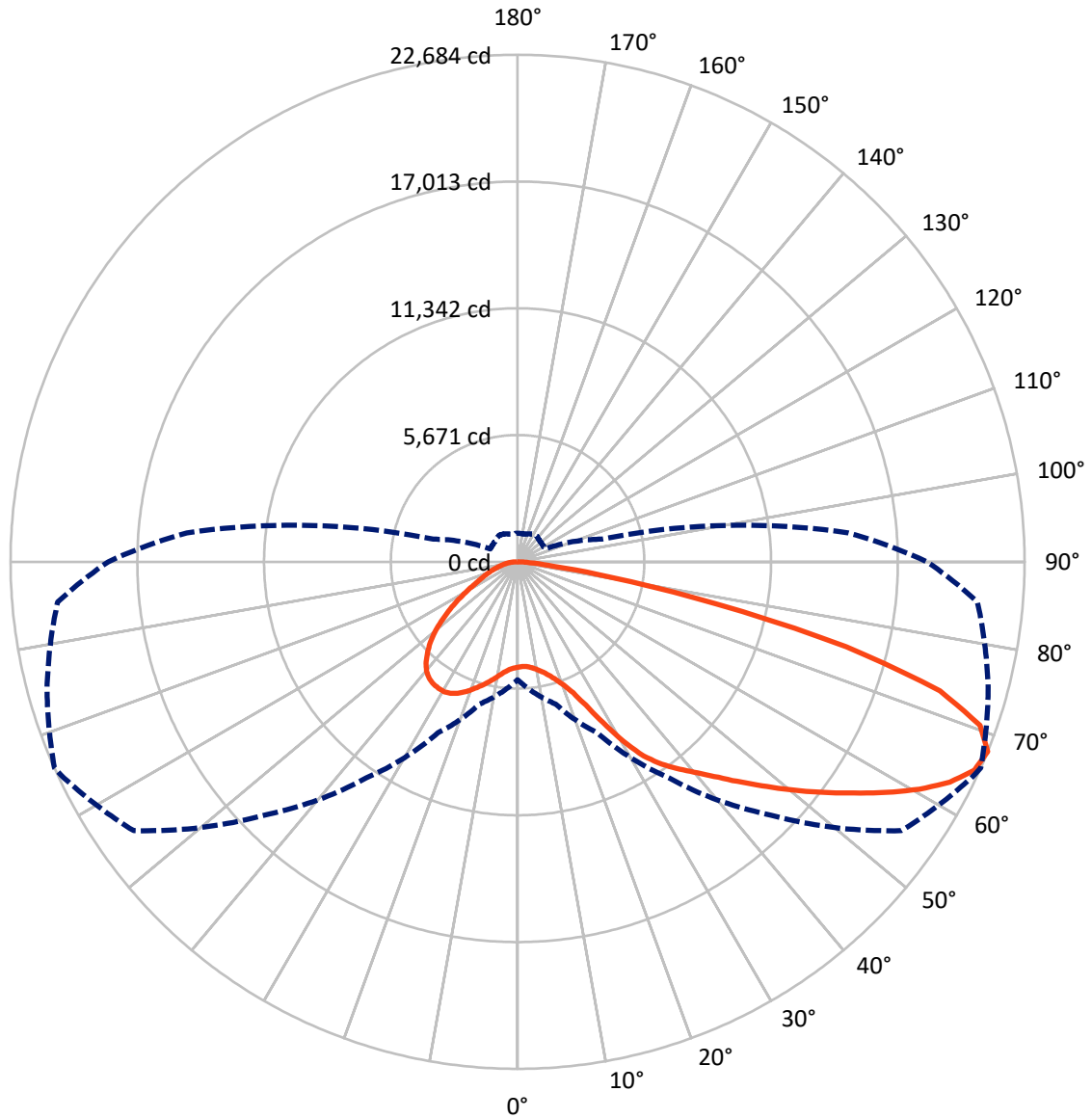
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10566.3	0.0	10566.3
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	31928.7	0.0	31928.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	42495.0	0.0	42495.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	467.3	1.1
10°-20°	1543.9	3.6
20°-30°	2975.8	7.0
30°-40°	5217.7	12.3
40°-50°	7756.9	18.3
50°-60°	9832.7	23.1
60°-70°	9621.0	22.6
70°-80°	4589.3	10.8
80°-90°	490.5	1.2
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°	42495.0	100.0
0°-180°	42495.0	100.0

**Coefficient of Utilization**



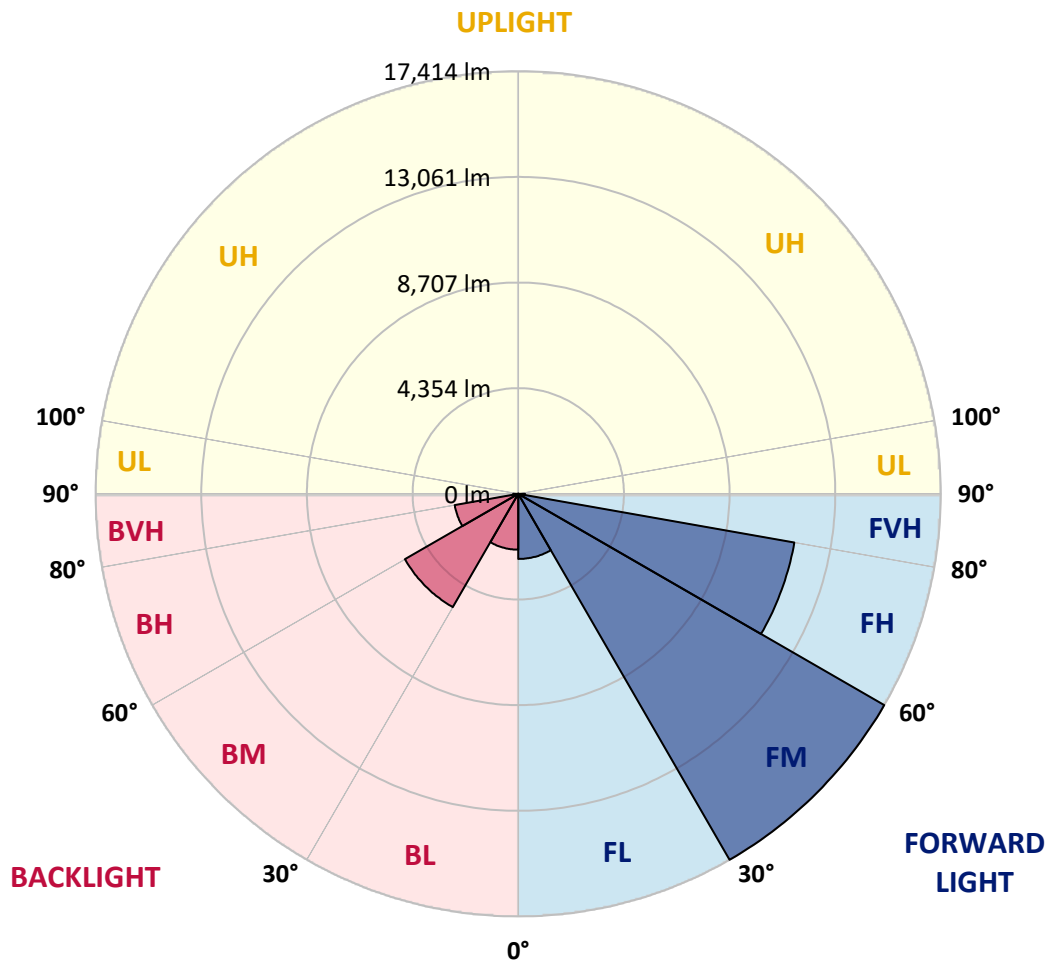
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2685.3	6.3			
FM (30°-60°)	17414.1	41.0			
FH (60°-80°)	11551.3	27.2			G4/12000
FVH (80°-90°)	278.1	0.7			G3/500
BL (0°-30°)	2301.7	5.4	B3/2500		
BM (30°-60°)	5393.1	12.7	B4/8500		
BH (60°-80°)	2659.0	6.3	B4/5000		G4/5000
BVH (80°-90°)	212.4	0.5			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4713.3	4713.3	4713.3	4713.3	4713.3	4713.3	4713.3	4713.3	4713.3	4713.3
2.5°	4664.1	4690.9	4684.2	4673.1	4670.8	4675.3	4682.0	4688.7	4686.5	4697.6
5°	4650.7	4677.5	4675.3	4675.3	4684.2	4702.1	4713.3	4724.4	4713.3	4726.7
7.5°	4659.7	4679.8	4688.7	4697.6	4720.0	4753.4	4780.2	4804.8	4791.4	4807.0
10°	4773.5	4789.2	4798.1	4798.1	4813.7	4851.7	4878.5	4923.1	4912.0	4936.5
12.5°	4981.2	4996.8	4996.8	4987.9	4999.0	5023.6	5032.5	5081.7	5061.6	5101.7
15°	5235.7	5267.0	5242.4	5226.8	5231.2	5255.8	5253.6	5291.5	5271.4	5304.9
17.5°	5517.0	5557.2	5517.0	5514.8	5505.9	5532.7	5534.9	5568.4	5532.7	5557.2
20°	5849.7	5905.5	5872.0	5883.2	5863.1	5874.3	5885.4	5934.6	5878.7	5896.6
22.5°	6318.6	6385.6	6349.8	6392.3	6378.9	6369.9	6367.7	6454.8	6367.7	6374.4
25°	7001.8	7082.2	7019.6	7077.7	7077.7	7106.7	7140.2	7251.9	7106.7	7064.3
27.5°	8011.0	8091.4	7968.6	8004.3	7993.1	8064.6	8028.8	8305.7	8149.4	8080.2
30°	9225.6	9368.5	9136.3	9127.3	9116.2	9230.0	9281.4	9464.5	9305.9	9236.7
32.5°	10538.4	10688.0	10411.1	10330.8	10288.3	10357.6	10315.1	10462.5	10353.1	10245.9
35°	11927.2	12074.5	11811.1	11654.8	11485.1	11339.9	11188.1	11226.1	11123.4	10960.4
37.5°	13240.0	13510.1	13231.1	13063.6	12751.0	12467.5	12043.3	11866.9	11770.9	11621.3
40°	14577.4	14731.4	14519.3	14376.4	14037.1	13592.8	12914.0	12541.1	12411.7	12266.5
42.5°	15562.0	15709.4	15595.5	15497.3	15231.6	14715.8	13838.4	13371.7	13184.2	13021.2
45°	16343.5	16452.9	16381.4	16417.1	16303.3	15803.1	14796.2	14262.6	14068.3	13869.6
47.5°	16658.3	16774.4	16888.2	17100.3	17294.6	16926.2	15825.5	15227.1	15021.7	14818.5
50°	16622.5	16740.9	17071.3	17522.3	18125.2	18002.4	16910.6	16254.2	16064.4	15832.2
52.5°	16336.8	16470.7	16894.9	17645.1	18605.2	18808.4	18015.8	17314.7	17136.1	16859.2
55°	15586.6	15666.9	16303.3	17366.0	18719.1	19371.0	19098.6	18444.4	18265.8	17879.6
57.5°	14195.6	14311.7	15238.3	16613.6	18433.3	19752.8	20049.8	19632.2	19460.3	18904.4
60°	12380.4	12565.7	13626.2	15349.9	17705.4	19750.6	20913.8	20800.0	20657.1	19913.6
62.5°	10326.3	10540.6	11561.0	13563.7	16432.8	19190.2	21454.1	21777.9	21704.2	20844.6
65°	7930.6	8078.0	9093.8	11252.9	14452.4	17986.7	21516.7	22445.5	22458.9	21552.4
67.5°	5280.4	5704.6	6586.5	8444.1	11799.9	16019.7	20967.4	22554.9	22684.4	21795.7
70°	2576.6	3134.7	3998.8	5488.0	8444.1	13003.3	19531.8	21657.3	21945.3	21085.7
72.5°	1069.5	1250.3	1721.4	2708.3	4847.2	8774.6	16647.1	19223.7	19757.3	18683.3
75°	721.2	781.4	984.6	1388.7	2208.2	4327.0	12005.3	14334.0	15193.6	14110.7
77.5°	555.9	593.9	716.7	971.2	1312.8	1636.6	6425.7	8638.4	9082.7	8408.4
80°	437.6	466.6	535.9	707.8	931.0	875.2	2190.3	3913.9	4170.7	3498.7
82.5°	379.6	390.7	384.0	480.0	618.5	511.3	718.9	1444.6	1594.2	1156.5
85°	274.6	305.9	319.3	297.0	328.2	259.0	294.7	511.3	562.6	502.4
87.5°	111.6	165.2	203.2	192.0	120.6	73.7	91.5	149.6	171.9	187.5
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°
4713.3	0°	4713.3	4713.3	4713.3	4713.3	4713.3	4713.3	4713.3	4713.3	4713.3	4713.3
4715.5	2.5°	4717.7	4733.4	4744.5	4757.9	4766.8	4780.2	4807.0	4822.7	4824.9	4836.1
4751.2	5°	4760.1	4782.5	4807.0	4842.8	4882.9	4916.4	4967.8	5003.5	5016.9	5028.1
4838.3	7.5°	4851.7	4882.9	4927.6	4990.1	5048.2	5092.8	5155.3	5197.8	5240.2	5255.8
4976.7	10°	4987.9	5032.5	5097.3	5182.1	5244.6	5302.7	5367.4	5403.2	5445.6	5463.4
5141.9	12.5°	5157.6	5204.5	5289.3	5407.6	5465.7	5505.9	5528.2	5519.3	5528.2	5543.8
5340.6	15°	5351.8	5403.2	5499.2	5626.4	5666.6	5630.9	5581.8	5537.1	5530.4	5534.9
5581.8	17.5°	5581.8	5619.7	5731.4	5838.5	5809.5	5662.2	5555.0	5483.5	5447.8	5436.7
5889.9	20°	5903.3	5903.3	5994.8	6061.8	5867.6	5617.5	5450.1	5334.0	5260.3	5229.0
6309.6	22.5°	6294.0	6258.3	6316.3	6269.5	5856.4	5492.5	5260.3	5059.3	4947.7	4903.0
6896.9	25°	6789.7	6747.3	6731.6	6441.4	5776.0	5293.8	4916.4	4673.1	4574.8	4550.3
7743.0	27.5°	7537.6	7430.5	7227.3	6535.2	5628.7	4981.2	4514.5	4289.0	4233.2	4235.5
8830.4	30°	8533.4	8319.1	7821.2	6550.8	5387.5	4539.1	4103.7	3943.0	3916.2	3927.3
9743.6	32.5°	9455.5	9252.4	8428.5	6479.3	5016.9	4106.0	3735.3	3628.2	3588.0	3601.4
10440.2	35°	10178.9	10123.1	8991.1	6378.9	4561.4	3699.6	3404.9	3313.3	3235.2	3217.3
11096.6	37.5°	10862.1	10839.8	9413.1	6238.2	4110.4	3411.6	3139.2	3018.6	2904.8	2842.2
11822.2	40°	11612.3	11590.0	9690.0	6021.6	3710.8	3161.5	2900.3	2741.8	2601.1	2487.2
12643.9	42.5°	12456.3	12324.6	9821.7	5711.3	3371.4	2949.4	2706.0	2491.7	2306.4	2201.5
13572.7	45°	13378.4	13081.5	9819.5	5316.1	3085.6	2755.2	2498.4	2194.8	2022.8	1924.6
14526.0	47.5°	14356.3	13804.9	9698.9	4878.5	2808.8	2540.8	2176.9	1944.7	1830.8	1770.5
15562.0	50°	15365.5	14481.4	9493.5	4376.1	2525.2	2297.5	1976.0	1817.4	1730.4	1674.5
16589.1	52.5°	16314.4	15095.4	9245.7	3806.8	2237.2	2060.8	1886.6	1763.8	1672.3	1609.8
17584.8	55°	17196.4	15624.5	8895.1	3224.0	2002.7	1902.3	1844.2	1741.5	1636.6	1562.9
18596.3	57.5°	17980.0	15968.4	8290.1	2677.0	1835.3	1792.9	1799.6	1703.6	1583.0	1520.5
19592.1	60°	18632.0	16220.7	7394.7	2170.2	1699.1	1685.7	1730.4	1632.1	1491.5	1420.0
20433.8	62.5°	19022.7	16216.2	6296.3	1777.2	1583.0	1587.5	1638.8	1542.8	1399.9	1332.9
20873.6	65°	18989.2	15818.8	5090.6	1520.5	1471.4	1475.8	1542.8	1444.6	1324.0	1283.8
20652.6	67.5°	18317.2	14849.8	3905.0	1353.0	1348.6	1368.7	1446.8	1377.6	1277.1	1272.6
19335.3	70°	16497.5	12838.1	2813.2	1219.1	1221.3	1250.3	1353.0	1335.2	1252.6	1261.5
16256.4	72.5°	13228.8	9788.2	1888.9	1078.4	1080.6	1127.5	1263.7	1301.7	1228.0	1346.3
11534.2	75°	8810.3	6104.2	1214.6	928.8	931.0	991.3	1185.6	1236.9	1161.0	1341.9
6001.5	77.5°	4233.2	2744.0	879.7	781.4	781.4	837.3	1024.8	1107.4	989.1	1042.7
1929.1	80°	1462.4	1031.5	692.1	629.6	616.2	654.2	864.1	960.1	852.9	785.9
629.6	82.5°	576.0	535.9	555.9	489.0	444.3	468.9	672.0	792.6	627.4	567.1
355.0	85°	330.4	348.3	393.0	323.7	256.8	288.0	493.4	569.3	473.3	417.5
116.1	87.5°	89.3	122.8	180.8	167.5	116.1	122.8	234.4	314.8	272.4	209.9
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°
4713.3
4833.8
5025.8
5258.0
5472.4
5548.3
5550.5
5452.3
5222.3
4896.3
4554.7
4242.2
3965.3
3619.2
3230.7
2844.5
2498.4
2208.2
1920.1
1757.1
1654.4
1583.0
1533.9
1480.3
1388.7
1312.8
1281.6
1279.3
1259.3
1364.2
1353.0
955.6
736.8
564.9
426.4
216.6
0.0

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