

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: P850698

Luminaire Tested: **GLAN-SB8B-827-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850698  
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-SB8B-827-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36329 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

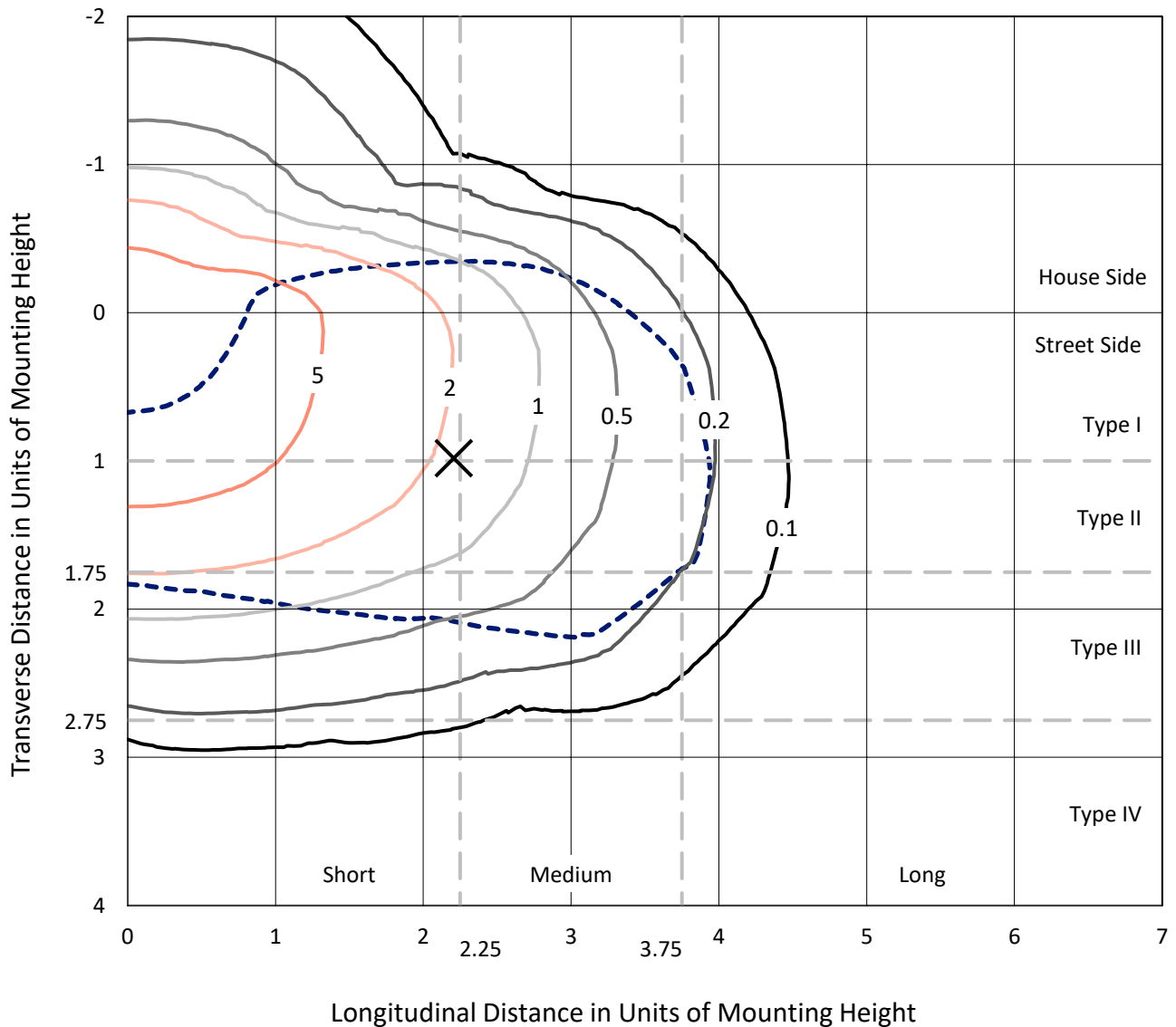
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

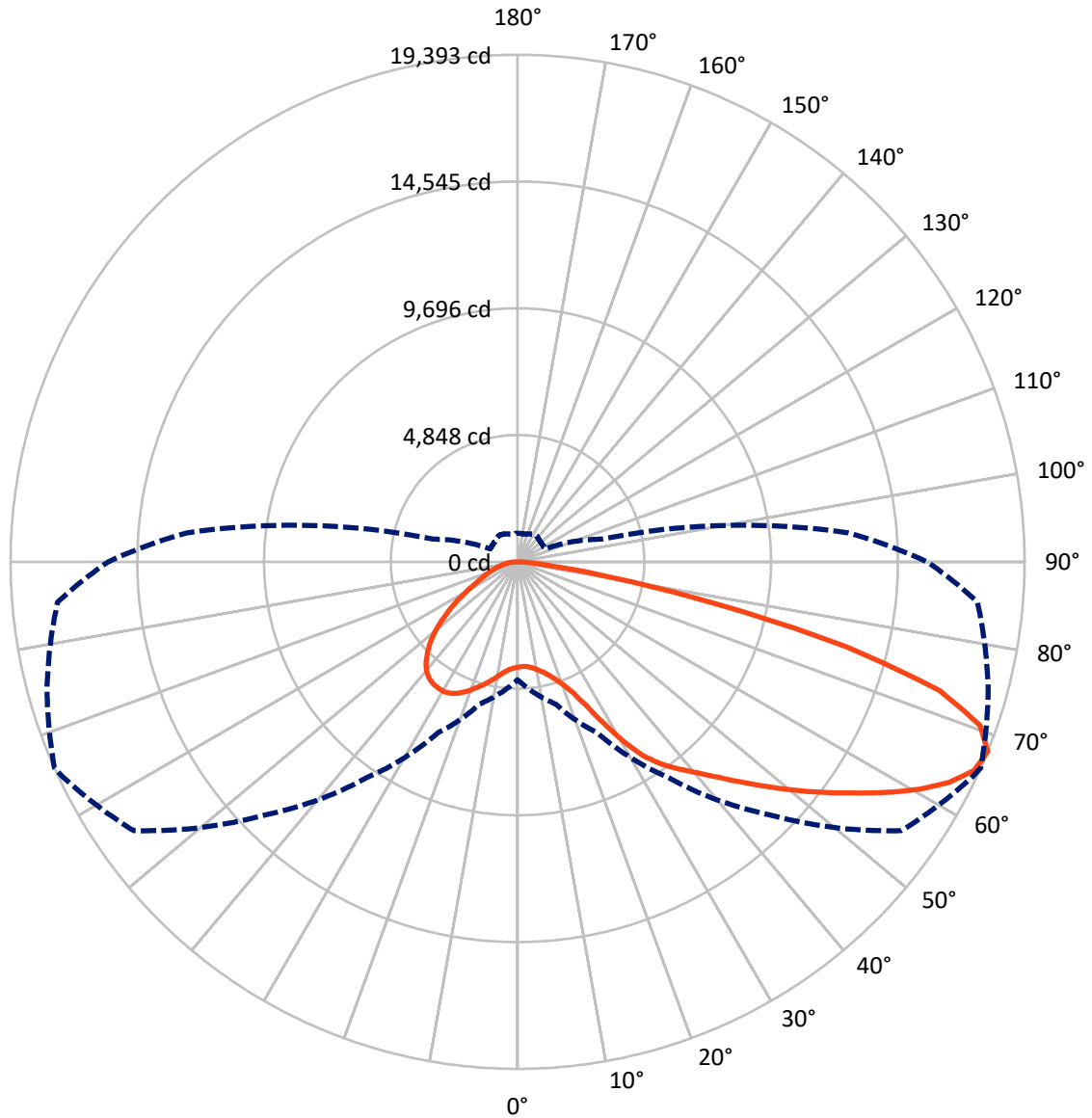
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	9033.1	0.0	9033.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	27295.9	0.0	27295.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	36329.0	0.0	36329.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.5	1.1
10°-20°	1319.9	3.6
20°-30°	2544.0	7.0
30°-40°	4460.6	12.3
40°-50°	6631.4	18.3
50°-60°	8405.9	23.1
60°-70°	8225.0	22.6
70°-80°	3923.4	10.8
80°-90°	419.3	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°	36329.0	100.0
0°-180°	36329.0	100.0

**Coefficient of Utilization**

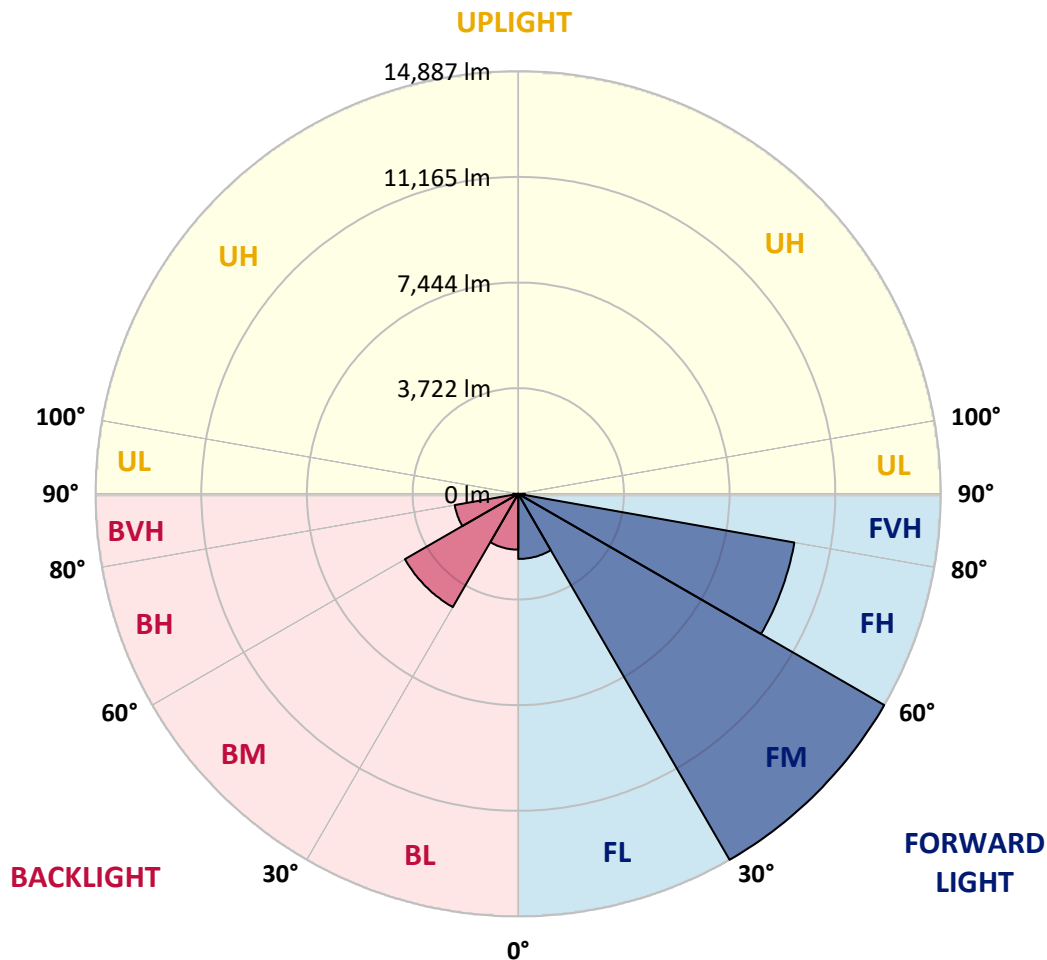


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2295.6	6.3			
FM (30°-60°)	14887.3	41.0			
FH (60°-80°)	9875.2	27.2			G4/12000
FVH (80°-90°)	237.7	0.7			G3/500
BL (0°-30°)	1967.7	5.4	B3/2500		
BM (30°-60°)	4610.6	12.7	B3/5000		
BH (60°-80°)	2273.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	181.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4029.4	4029.4	4029.4	4029.4	4029.4	4029.4	4029.4	4029.4	4029.4	4029.4
2.5°	3987.4	4010.3	4004.6	3995.0	3993.1	3996.9	4002.6	4008.4	4006.5	4016.0
5°	3975.9	3998.8	3996.9	3996.9	4004.6	4019.8	4029.4	4038.9	4029.4	4040.8
7.5°	3983.6	4000.7	4008.4	4016.0	4035.1	4063.7	4086.6	4107.6	4096.2	4109.5
10°	4080.9	4094.3	4101.9	4101.9	4115.3	4147.7	4170.6	4208.8	4199.2	4220.2
12.5°	4258.4	4271.8	4271.8	4264.1	4273.7	4294.7	4302.3	4344.3	4327.1	4361.5
15°	4476.0	4502.7	4481.7	4468.4	4472.2	4493.2	4491.3	4523.7	4506.6	4535.2
17.5°	4716.5	4750.9	4716.5	4714.6	4707.0	4729.9	4731.8	4760.4	4729.9	4750.9
20°	5000.9	5048.6	5020.0	5029.5	5012.4	5021.9	5031.5	5073.5	5025.7	5041.0
22.5°	5401.8	5459.0	5428.5	5464.7	5453.3	5445.7	5443.7	5518.2	5443.7	5449.5
25°	5985.8	6054.5	6001.1	6050.7	6050.7	6075.5	6104.2	6199.6	6075.5	6039.3
27.5°	6848.6	6917.3	6812.3	6842.9	6833.3	6894.4	6863.9	7100.5	6966.9	6907.8
30°	7886.9	8009.1	7810.6	7803.0	7793.4	7890.8	7934.7	8091.2	7955.7	7896.5
32.5°	9009.3	9137.2	8900.5	8831.8	8795.5	8854.7	8818.4	8944.4	8850.9	8759.2
35°	10196.5	10322.5	10097.3	9963.7	9818.6	9694.5	9564.7	9597.2	9509.4	9370.0
37.5°	11318.9	11549.8	11311.2	11168.1	10900.9	10658.4	10295.8	10145.0	10062.9	9935.0
40°	12462.2	12593.9	12412.6	12290.4	12000.3	11620.5	11040.2	10721.4	10610.7	10486.7
42.5°	13304.0	13429.9	13332.6	13248.6	13021.5	12580.6	11830.4	11431.5	11271.2	11131.8
45°	13972.0	14065.6	14004.5	14035.0	13937.7	13510.1	12649.3	12193.1	12027.0	11857.1
47.5°	14241.2	14340.4	14437.8	14619.1	14785.2	14470.2	13529.2	13017.7	12842.1	12668.4
50°	14210.6	14311.8	14594.3	14979.9	15495.2	15390.2	14456.9	13895.7	13733.4	13534.9
52.5°	13966.3	14080.8	14443.5	15084.8	15905.6	16079.3	15401.7	14802.3	14649.6	14413.0
55°	13325.0	13393.7	13937.7	14846.2	16002.9	16560.3	16327.4	15768.2	15615.5	15285.3
57.5°	12135.8	12235.1	13027.2	14203.0	15758.6	16886.7	17140.6	16783.6	16636.6	16161.4
60°	10584.0	10742.4	11649.1	13122.6	15136.4	16884.8	17879.2	17781.9	17659.7	17024.1
62.5°	8828.0	9011.2	9883.5	11595.6	14048.4	16405.7	18341.2	18617.9	18554.9	17820.1
65°	6779.9	6905.8	7774.3	9620.1	12355.3	15376.9	18394.6	19188.6	19200.1	18425.1
67.5°	4514.2	4876.9	5630.8	7218.9	10087.7	13695.3	17925.0	19282.2	19392.9	18633.2
70°	2202.7	2679.9	3418.6	4691.7	7218.9	11116.5	16697.7	18514.9	18761.1	18026.2
72.5°	914.3	1068.9	1471.6	2315.3	4143.9	7501.4	14231.6	16434.3	16890.5	15972.4
75°	616.5	668.1	841.8	1187.2	1887.8	3699.2	10263.3	12254.2	12989.0	12063.3
77.5°	475.3	507.7	612.7	830.3	1122.3	1399.1	5493.4	7384.9	7764.8	7188.3
80°	374.1	398.9	458.1	605.1	795.9	748.2	1872.5	3346.0	3565.5	2991.0
82.5°	324.5	334.0	328.3	410.4	528.7	437.1	614.6	1235.0	1362.8	988.7
85°	234.8	261.5	273.0	253.9	280.6	221.4	252.0	437.1	481.0	429.5
87.5°	95.4	141.2	173.7	164.2	103.1	63.0	78.3	127.9	147.0	160.3
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°
4029.4	0°	4029.4	4029.4	4029.4	4029.4	4029.4	4029.4	4029.4	4029.4	4029.4	4029.4
4031.3	2.5°	4033.2	4046.5	4056.1	4067.5	4075.2	4086.6	4109.5	4122.9	4124.8	4134.3
4061.8	5°	4069.4	4088.5	4109.5	4140.1	4174.4	4203.1	4247.0	4277.5	4289.0	4298.5
4136.3	7.5°	4147.7	4174.4	4212.6	4266.1	4315.7	4353.9	4407.3	4443.6	4479.8	4493.2
4254.6	10°	4264.1	4302.3	4357.7	4430.2	4483.6	4533.3	4588.6	4619.2	4655.4	4670.7
4395.8	12.5°	4409.2	4449.3	4521.8	4623.0	4672.6	4707.0	4726.1	4718.4	4726.1	4739.4
4565.7	15°	4575.3	4619.2	4701.2	4810.0	4844.4	4813.9	4771.9	4733.7	4728.0	4731.8
4771.9	17.5°	4771.9	4804.3	4899.8	4991.4	4966.6	4840.6	4749.0	4687.9	4657.3	4647.8
5035.3	20°	5046.7	5046.7	5125.0	5182.2	5016.2	4802.4	4659.3	4560.0	4497.0	4470.3
5394.1	22.5°	5380.8	5350.2	5399.8	5359.8	5006.6	4695.5	4497.0	4325.2	4229.8	4191.6
5896.1	25°	5804.5	5768.2	5754.9	5506.7	4937.9	4525.6	4203.1	3995.0	3911.0	3890.0
6619.5	27.5°	6443.9	6352.3	6178.6	5586.9	4812.0	4258.4	3859.5	3666.7	3619.0	3620.9
7549.1	30°	7295.2	7112.0	6686.3	5600.3	4605.8	3880.5	3508.3	3370.8	3347.9	3357.5
8329.8	32.5°	8083.5	7909.9	7205.5	5539.2	4289.0	3510.2	3193.3	3101.7	3067.4	3078.8
8925.3	35°	8702.0	8654.3	7686.5	5453.3	3899.6	3162.8	2910.8	2832.6	2765.8	2750.5
9486.5	37.5°	9286.1	9267.0	8047.3	5333.0	3514.0	2916.6	2683.7	2580.6	2483.3	2429.8
10106.8	40°	9927.4	9908.3	8284.0	5147.9	3172.3	2702.8	2479.5	2343.9	2223.7	2126.3
10809.2	42.5°	10648.9	10536.3	8396.6	4882.6	2882.2	2521.5	2313.4	2130.2	1971.7	1882.0
11603.3	45°	11437.2	11183.4	8394.7	4544.7	2637.9	2355.4	2135.9	1876.3	1729.3	1645.3
12418.3	47.5°	12273.2	11801.8	8291.6	4170.6	2401.2	2172.2	1861.0	1662.5	1565.2	1513.6
13304.0	50°	13136.0	12380.1	8116.0	3741.1	2158.8	1964.1	1689.2	1553.7	1479.3	1431.6
14182.0	52.5°	13947.2	12905.0	7904.1	3254.4	1912.6	1761.8	1612.9	1507.9	1429.7	1376.2
15033.3	55°	14701.2	13357.4	7604.5	2756.2	1712.1	1626.3	1576.6	1488.8	1399.1	1336.1
15898.0	57.5°	15371.1	13651.4	7087.2	2288.6	1569.0	1532.7	1538.5	1456.4	1353.3	1299.9
16749.3	60°	15928.5	13867.1	6321.8	1855.3	1452.6	1441.1	1479.3	1395.3	1275.0	1214.0
17468.9	62.5°	16262.5	13863.2	5382.7	1519.4	1353.3	1357.1	1401.0	1318.9	1196.8	1139.5
17844.9	65°	16233.9	13523.5	4351.9	1299.9	1257.9	1261.7	1318.9	1235.0	1131.9	1097.5
17655.9	67.5°	15659.4	12695.1	3338.4	1156.7	1152.9	1170.1	1236.9	1177.7	1091.8	1088.0
16529.8	70°	14103.7	10975.3	2405.0	1042.2	1044.1	1068.9	1156.7	1141.4	1070.8	1078.4
13897.6	72.5°	11309.3	8367.9	1614.8	921.9	923.8	963.9	1080.4	1112.8	1049.8	1151.0
9860.6	75°	7531.9	5218.5	1038.4	794.0	795.9	847.5	1013.5	1057.4	992.5	1147.2
5130.7	77.5°	3619.0	2345.9	752.0	668.1	668.1	715.8	876.1	946.7	845.6	891.4
1649.2	80°	1250.2	881.8	591.7	538.3	526.8	559.3	738.7	820.8	729.1	671.9
538.3	82.5°	492.5	458.1	475.3	418.0	379.8	400.8	574.5	677.6	536.4	484.8
303.5	85°	282.5	297.8	335.9	276.8	219.5	246.2	421.8	486.7	404.7	356.9
99.3	87.5°	76.3	105.0	154.6	143.2	99.3	105.0	200.4	269.1	232.9	179.4
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°
4029.4
4132.4
4296.6
4495.1
4678.3
4743.2
4745.1
4661.2
4464.6
4185.9
3893.8
3626.6
3389.9
3094.1
2762.0
2431.7
2135.9
1887.8
1641.5
1502.2
1414.4
1353.3
1311.3
1265.5
1187.2
1122.3
1095.6
1093.7
1076.5
1166.2
1156.7
816.9
629.9
482.9
364.6
185.1
0.0

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