

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: P851753

Luminaire Tested: **GLAN-SB9D-850-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-850-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 78890 lumens  
Efficiency: N/A  
Efficacy: 119.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5

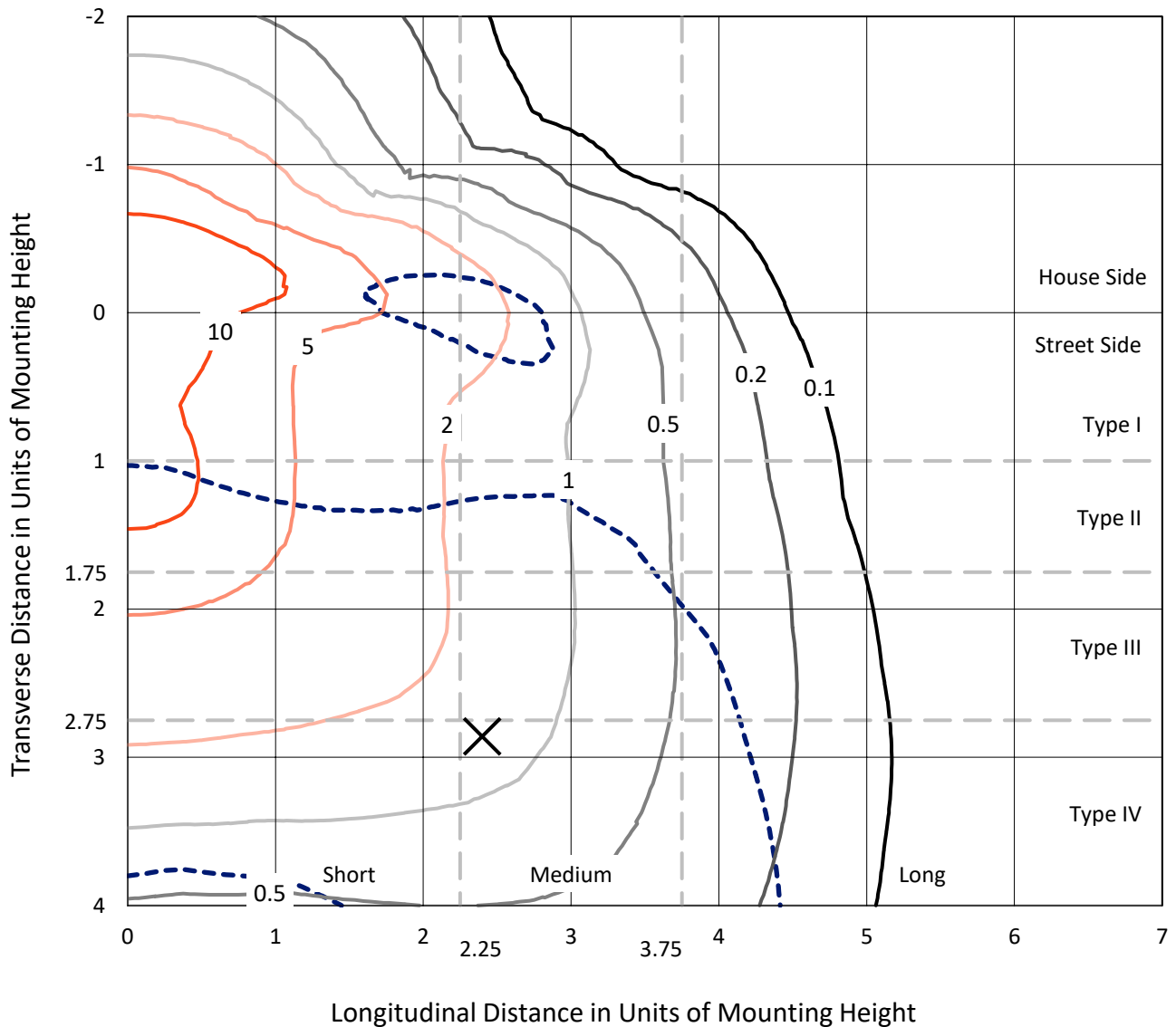
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

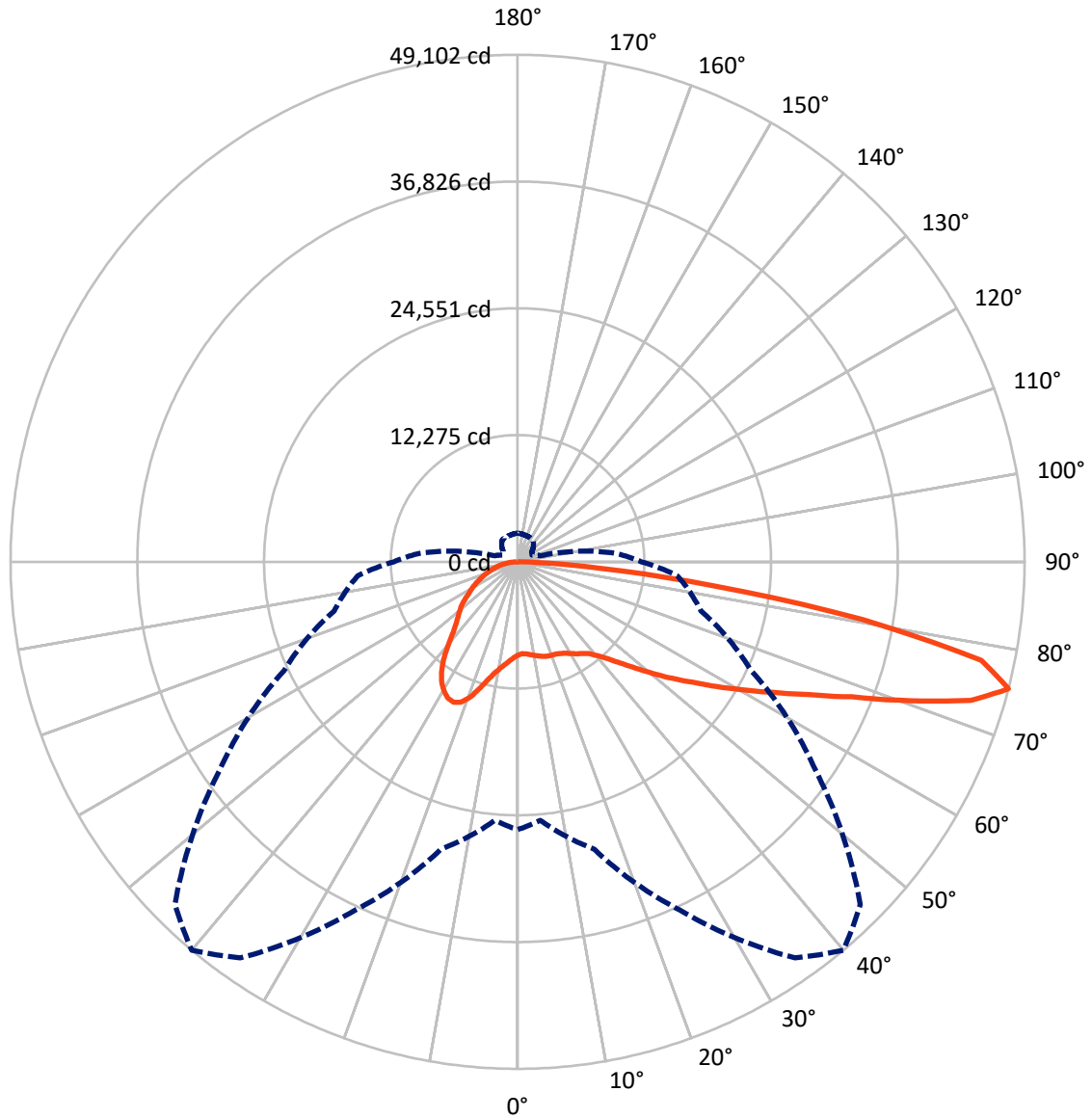
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	24442.7	0.0	24442.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	54447.2	0.0	54447.2
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	78890.0	0.0	78890.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	900.5	1.1
10°-20°	3023.3	3.8
20°-30°	5520.4	7.0
30°-40°	7829.4	9.9
40°-50°	10572.1	13.4
50°-60°	14222.3	18.0
60°-70°	18051.3	22.9
70°-80°	16382.7	20.8
80°-90°	2388.1	3.0
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°	78890.0	100.0
0°-180°	78890.0	100.0

**Coefficient of Utilization**

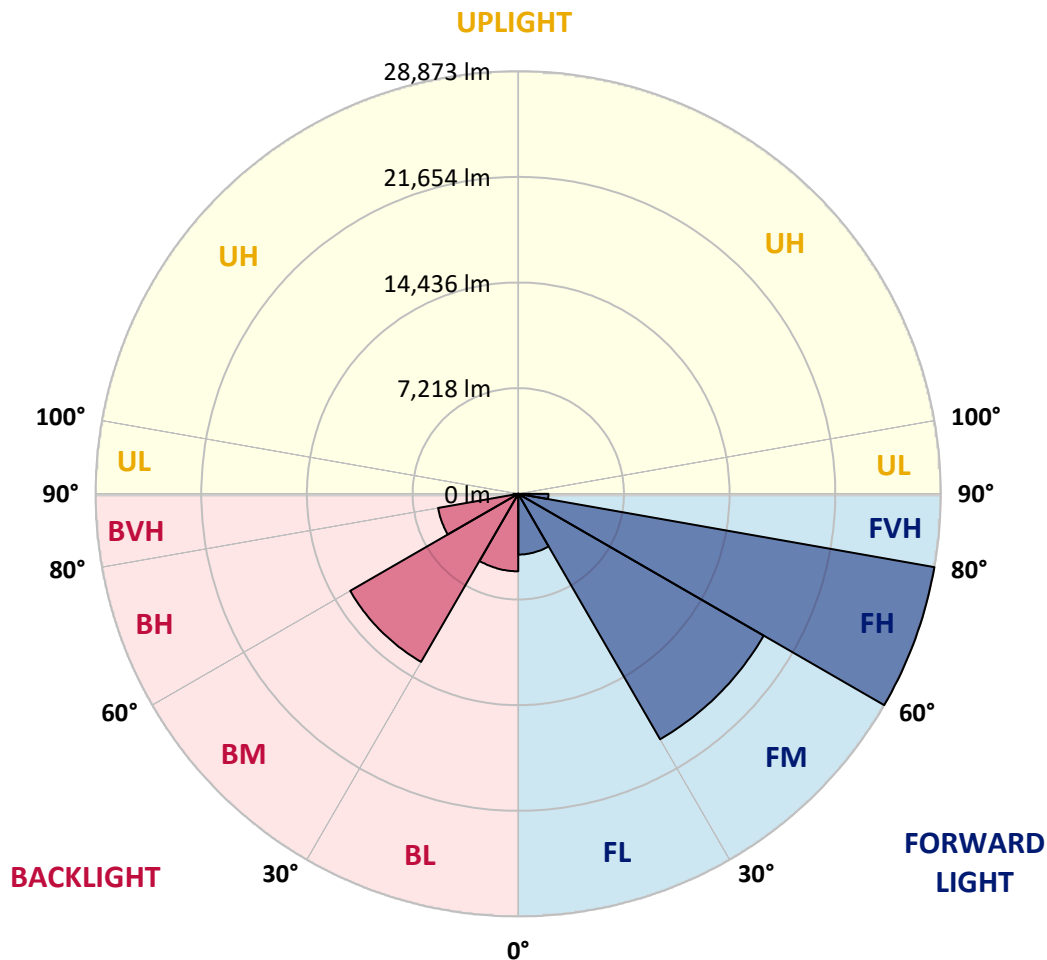


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4149.7	5.3			
FM (30°-60°)	19365.7	24.5			
FH (60°-80°)	28872.5	36.6			G5
FVH (80°-90°)	2059.3	2.6			G5
BL (0°-30°)	5294.5	6.7	B5		
BM (30°-60°)	13258.0	16.8	B5		
BH (60°-80°)	5561.4	7.0	B5		G5
BVH (80°-90°)	328.8	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	9021.2	9021.2	9021.2	9021.2	9021.2	9021.2	9021.2	9021.2	9021.2	9021.2
2.5°	8883.1	8933.3	8920.8	8904.0	8904.0	8908.2	8904.0	8933.3	8962.6	8991.9
5°	8975.2	9025.4	9000.3	8979.3	8962.6	8958.4	8945.9	8941.7	8958.4	8996.1
7.5°	9155.1	9205.3	9167.6	9130.0	9096.5	9079.8	9063.0	9037.9	9025.4	9046.3
10°	9355.9	9406.1	9360.1	9293.2	9238.8	9217.8	9201.1	9176.0	9159.3	9171.8
12.5°	9556.8	9607.0	9544.2	9452.2	9381.0	9368.5	9347.5	9339.2	9335.0	9330.8
15°	9745.0	9786.9	9707.4	9598.6	9523.3	9502.4	9481.4	9494.0	9514.9	9540.0
17.5°	9891.5	9933.3	9816.2	9673.9	9602.8	9594.4	9581.9	9623.7	9682.3	9745.0
20°	10025.4	10067.2	9916.6	9724.1	9640.4	9640.4	9644.6	9732.5	9816.2	9908.2
22.5°	10213.7	10247.2	10063.0	9799.4	9678.1	9686.5	9719.9	9807.8	9912.4	10037.9
25°	10494.0	10519.1	10293.2	9941.7	9803.6	9828.7	9858.0	9899.9	10000.3	10146.7
27.5°	10945.9	10966.8	10669.8	10192.8	9983.5	10025.4	10067.2	10037.9	10084.0	10209.5
30°	11581.9	11594.5	11217.9	10586.1	10289.0	10309.9	10318.3	10196.9	10109.1	10209.5
32.5°	12335.1	12330.9	11883.2	11063.1	10636.3	10615.4	10544.2	10305.7	10100.7	10188.6
35°	13502.5	13456.4	12879.0	11732.6	11029.6	10899.9	10732.5	10427.1	10142.5	10167.7
37.5°	15435.6	15293.3	14494.1	12828.8	11615.4	11284.8	11038.0	10623.7	10234.6	10159.3
40°	17615.6	17435.6	16557.0	14331.0	12494.1	11962.7	11565.2	10904.1	10385.2	10196.9
42.5°	20201.4	19946.2	19000.5	16100.9	13607.1	12837.2	12238.8	11259.7	10607.0	10318.3
45°	23377.2	23038.3	21699.4	18096.7	15008.8	13983.7	13184.5	11799.5	10945.9	10552.6
47.5°	26586.5	26670.2	24766.4	20381.3	16690.9	15397.9	14368.6	12611.2	11439.7	10929.2
50°	29996.7	30055.2	27816.7	22912.8	18598.9	16996.3	15699.2	13519.2	12125.9	11464.8
52.5°	32657.8	32666.2	30586.6	25561.4	20586.4	18753.7	17134.4	14556.9	12920.9	12176.1
55°	34323.2	34302.2	32528.1	28067.7	22870.9	20598.9	18724.4	15736.8	13891.6	13012.9
57.5°	35532.4	35469.6	33867.1	30222.6	25306.2	22778.9	20523.6	17075.8	15038.1	14008.8
60°	35992.7	35955.0	34775.0	32084.6	27866.9	25189.0	22599.0	18573.7	16339.4	15184.5
62.5°	36168.4	36239.5	35666.3	33888.0	30607.6	27858.5	24879.4	20364.6	17803.9	16515.1
65°	36787.7	36917.4	36800.2	36247.9	33703.9	30984.1	27904.6	22494.4	19402.2	17941.9
67.5°	38013.6	38143.3	38193.6	39072.2	37486.4	34879.7	31678.7	25147.2	21272.6	19423.1
70°	37984.3	37946.7	38833.7	41319.2	42223.0	40273.1	36766.7	28410.8	23502.8	20653.3
72.5°	34574.2	34272.9	36369.2	41294.1	46164.5	45905.1	42980.3	32620.2	25427.5	20803.9
75°	25938.0	25134.6	28837.6	37214.4	46821.4	49101.8	46930.2	35231.1	24971.4	18381.3
77.5°	11092.4	10284.8	14649.0	27548.9	41905.0	45900.9	43306.7	30737.3	19933.6	12155.2
80°	2903.8	2899.7	4426.9	12489.9	28498.7	33896.4	29737.2	19849.9	11389.4	4343.2
82.5°	1200.9	1171.6	1627.7	4857.9	13925.1	19021.5	15523.5	8853.8	4113.1	1175.8
85°	447.7	443.5	790.8	1677.9	4912.3	7845.4	5678.0	2263.7	1025.1	573.2
87.5°	125.5	121.3	171.6	581.6	1196.7	1816.0	970.7	372.4	288.7	225.9
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°
9021.2	0°	9021.2	9021.2	9021.2	9021.2	9021.2	9021.2	9021.2	9021.2	9021.2	9021.2
9037.9	2.5°	9050.5	9071.4	9109.0	9138.3	9176.0	9217.8	9276.4	9314.1	9351.7	9376.8
9058.8	5°	9088.1	9134.2	9230.4	9326.6	9439.6	9544.2	9665.5	9753.4	9824.5	9845.5
9134.2	7.5°	9171.8	9247.1	9410.3	9573.5	9753.4	9925.0	10100.7	10251.3	10372.7	10418.7
9268.0	10°	9318.3	9418.7	9648.8	9878.9	10117.4	10381.0	10607.0	10824.6	10996.1	11067.3
9427.0	12.5°	9502.4	9627.9	9929.2	10247.2	10577.7	10941.7	11234.6	11502.4	11715.8	11812.1
9648.8	15°	9740.9	9904.0	10289.0	10715.8	11201.2	11707.4	12079.8	12376.9	12615.4	12732.6
9878.9	17.5°	10000.3	10217.9	10703.2	11347.6	12042.2	12707.5	13142.6	13360.2	13607.1	13720.1
10092.3	20°	10251.3	10519.1	11213.7	12151.0	13075.7	13782.8	14134.3	14192.9	14209.6	14222.2
10293.2	22.5°	10510.8	10870.6	11853.9	13163.6	14155.2	14644.8	14695.0	14443.9	14092.5	13929.3
10489.8	25°	10795.3	11272.3	12690.7	14280.7	15084.1	15142.7	14757.7	14146.8	13481.6	13176.1
10648.8	27.5°	11071.4	11736.7	13694.9	15347.7	15753.6	15238.9	14410.5	13544.3	12740.9	12418.8
10761.8	30°	11347.6	12268.1	14803.8	16280.8	16059.0	15000.4	13862.3	12895.8	12088.2	11749.3
10862.2	32.5°	11627.9	12887.4	16080.0	16954.5	16004.6	14494.1	13180.3	12167.7	11456.4	11100.7
10950.1	35°	11945.9	13648.9	17289.2	17322.7	15640.6	13749.3	12280.7	11297.4	10678.1	10393.6
11054.7	37.5°	12360.2	14615.5	18356.2	17414.7	15004.6	12657.3	11163.5	10268.1	9757.6	9627.9
11209.5	40°	12874.8	15778.7	19172.1	17268.3	14063.2	11330.9	9941.7	9226.2	8937.5	8966.8
11418.7	42.5°	13544.3	17080.0	19745.3	16891.7	12753.5	9962.6	8870.5	8552.5	8690.6	8807.8
11732.6	45°	14414.6	18431.5	20101.0	16251.5	11272.3	8803.6	8238.7	8314.0	8418.6	8431.2
12238.8	47.5°	15527.6	19799.7	20335.3	15285.0	9761.8	7987.7	7837.0	7853.8	7832.9	7745.0
12996.2	50°	16916.8	21130.3	20544.5	14004.6	8477.2	7477.2	7276.4	7217.8	6929.1	6644.5
14004.6	52.5°	18498.4	22352.1	20632.4	12414.6	7477.2	7050.4	6724.0	6355.8	5816.1	5728.2
15272.4	55°	20255.8	23481.8	20406.4	10460.5	6636.2	6502.3	6008.5	5565.0	5506.4	5431.1
16941.9	57.5°	22356.3	24699.4	19946.2	8280.6	5774.2	5862.1	5380.9	5431.1	5326.5	5209.4
19088.4	60°	24653.4	25958.9	19138.6	6293.1	4883.0	5062.9	5217.7	5213.5	5184.2	5088.0
21352.1	62.5°	26720.4	26787.4	17548.6	4820.2	4100.5	4443.6	4866.2	4862.1	4837.0	4782.6
23716.2	65°	27950.6	26661.8	14895.8	3795.1	3456.2	3933.2	4389.2	4422.7	4426.9	4422.7
25494.4	67.5°	27733.0	25193.2	11255.5	3021.0	2924.8	3414.3	3916.4	3962.5	3995.9	4004.3
25720.4	70°	25272.7	21967.2	7339.1	2410.1	2452.0	2958.2	3468.7	3514.7	3544.0	3577.5
22318.6	72.5°	19699.3	16151.1	4201.0	1949.8	2037.7	2564.9	3025.2	3079.6	3096.3	3159.1
15531.8	75°	12004.5	9498.2	2267.8	1535.6	1673.7	2192.5	2585.8	2648.6	2677.9	2753.2
7627.8	77.5°	5707.3	4113.1	1292.9	1196.7	1347.3	1790.8	2184.2	2255.3	2175.8	2217.6
2104.7	80°	1928.9	1527.2	815.9	912.2	1029.3	1397.5	1749.0	1820.1	1652.8	1644.4
698.8	82.5°	673.7	619.3	518.8	606.7	665.3	1000.0	1322.2	1414.3	1230.2	1226.0
313.8	85°	263.6	251.1	288.7	330.6	397.5	615.1	870.3	916.3	757.3	610.9
92.1	87.5°	54.4	58.6	71.1	75.3	121.3	213.4	313.8	384.9	305.4	259.4
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°
9021.2
9360.1
9853.8
10422.9
11071.4
11812.1
12724.2
13715.9
14255.6
13975.3
13222.1
12456.4
11786.9
11146.8
10456.4
9719.9
9067.2
8916.6
8514.9
7811.9
6682.2
5757.5
5443.7
5188.4
5054.5
4761.6
4422.7
4012.7
3594.2
3184.2
2761.6
2184.2
1627.7
1167.4
602.5
238.5
0.0

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