

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: P851246

Luminaire Tested: **GLAN-SB9A-850-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851246  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9A-850-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34761 lumens  
Efficiency: N/A  
Efficacy: 136.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

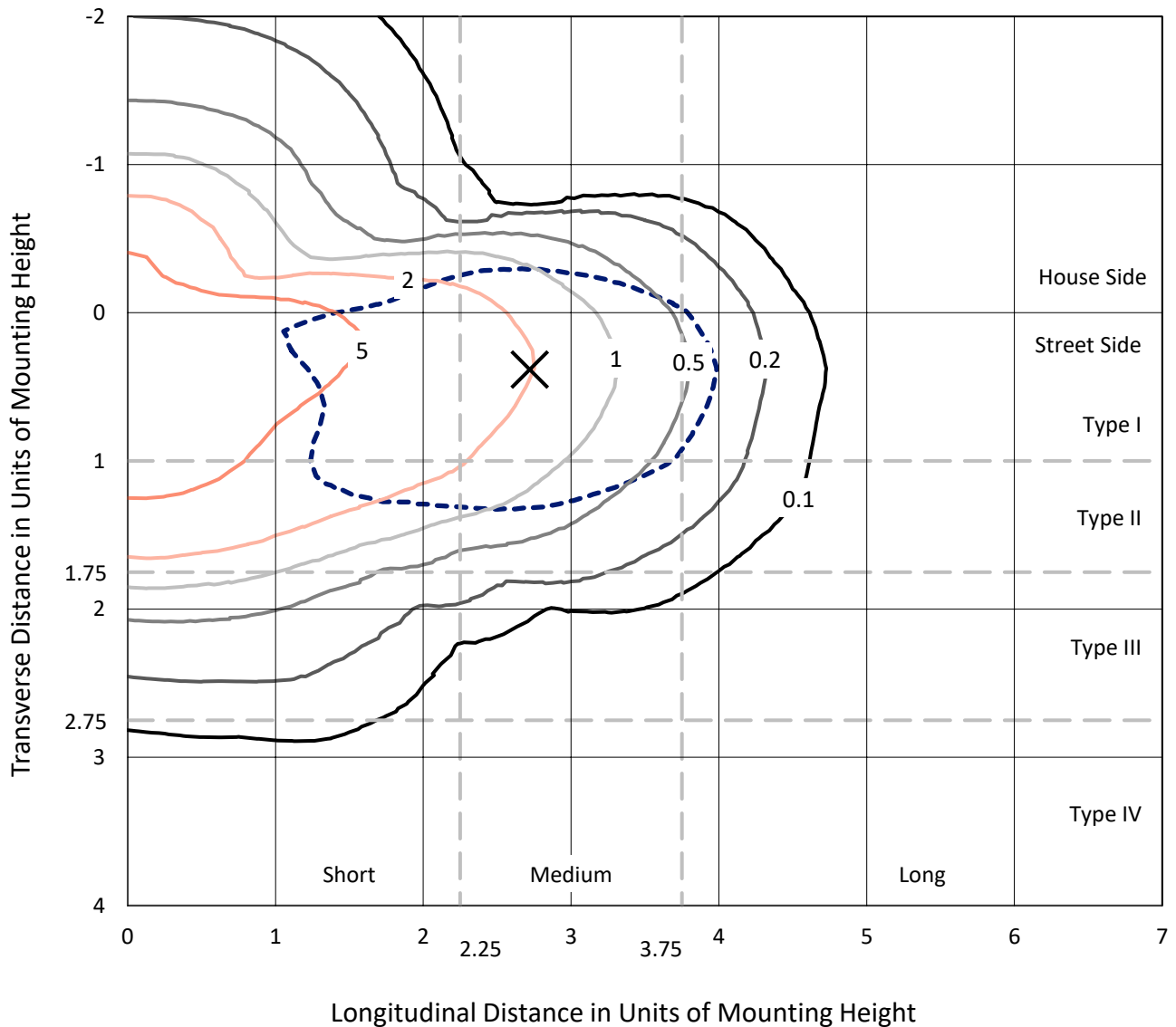
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

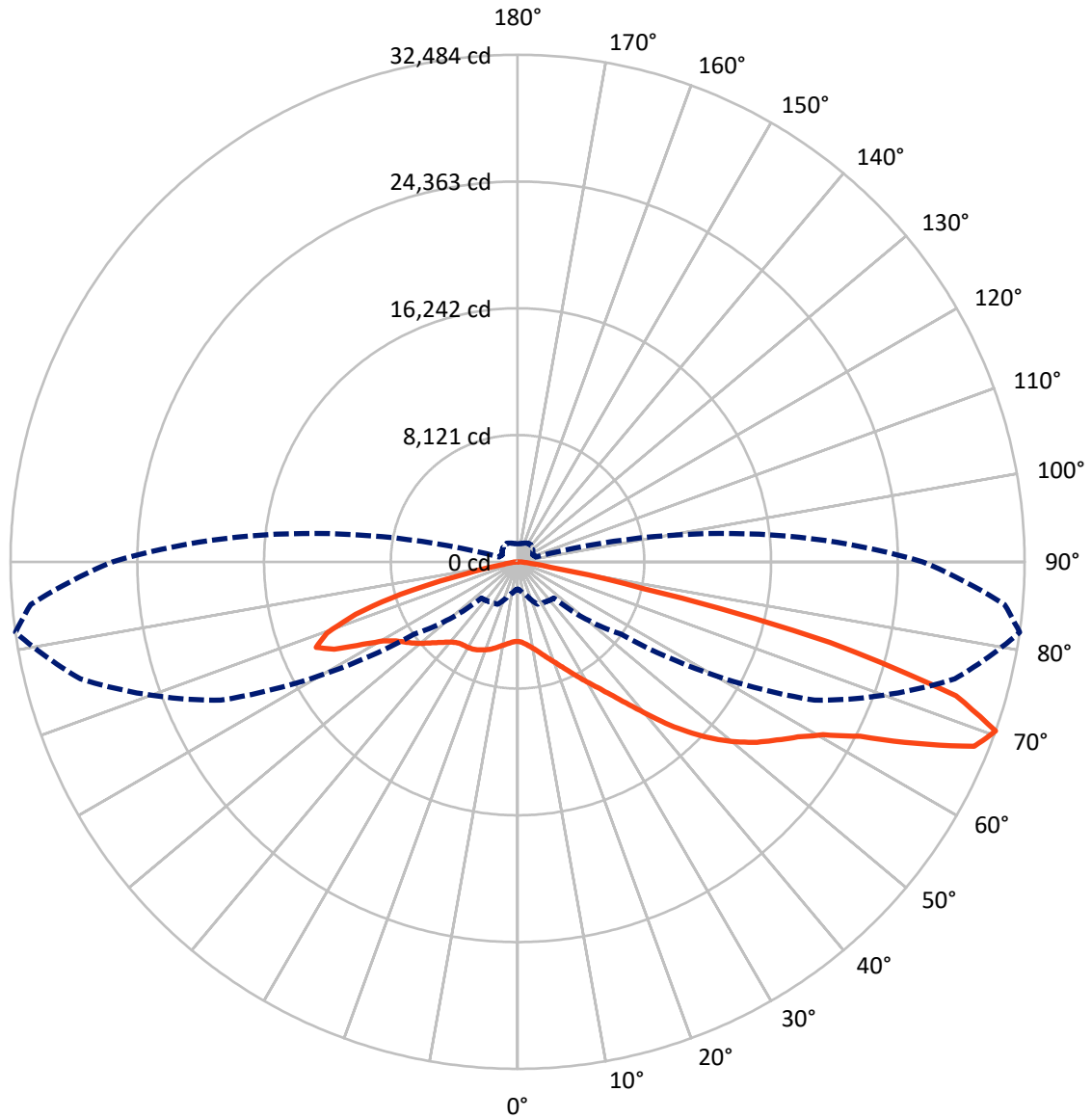
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8569.4	0.0	8569.4
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	26191.6	0.0	26191.6
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	34761.0	0.0	34761.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	481.2	1.4
10°-20°	1382.5	4.0
20°-30°	2312.8	6.7
30°-40°	3613.1	10.4
40°-50°	5754.3	16.6
50°-60°	8007.9	23.0
60°-70°	8376.6	24.1
70°-80°	4378.0	12.6
80°-90°	454.6	1.3
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°	34761.0	100.0
0°-180°	34761.0	100.0

**Coefficient of Utilization**



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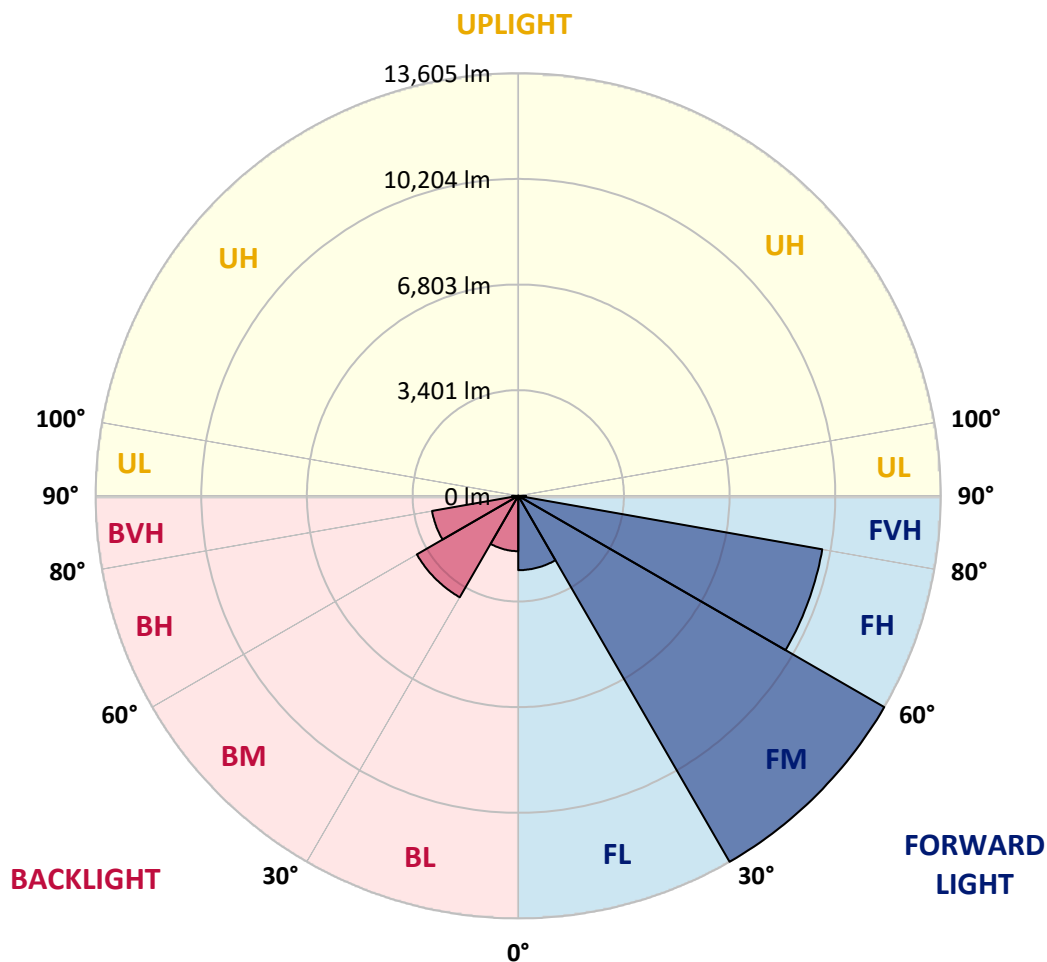
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2393.7	6.9			
FM (30°-60°)	13605.1	39.1			
FH (60°-80°)	9938.3	28.6			G4/12000
FVH (80°-90°)	254.5	0.7			G3/500
BL (0°-30°)	1782.8	5.1	B3/2500		
BM (30°-60°)	3770.2	10.8	B3/5000		
BH (60°-80°)	2816.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	200.1	0.6			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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5096.4	5096.4	5096.4	5096.4	5096.4	5096.4	5096.4	5096.4	5096.4	5096.4
2.5°	5218.1	5247.6	5238.4	5229.2	5229.2	5216.3	5214.4	5196.0	5181.2	5157.3
5°	5284.5	5315.9	5312.2	5319.6	5343.6	5349.1	5354.6	5343.6	5314.1	5284.5
7.5°	5225.5	5260.6	5271.6	5315.9	5389.7	5456.1	5505.9	5526.2	5498.5	5456.1
10°	5026.3	5065.0	5103.8	5208.9	5339.9	5496.7	5629.5	5708.8	5703.2	5662.7
12.5°	4622.4	4662.9	4745.9	4950.7	5190.5	5467.1	5714.3	5880.3	5937.5	5908.0
15°	4299.6	4334.6	4397.3	4607.6	4919.3	5339.9	5745.7	6068.5	6214.2	6197.6
17.5°	4290.3	4305.1	4343.8	4443.4	4683.2	5140.7	5712.5	6252.9	6531.4	6529.6
20°	4452.7	4458.2	4480.3	4500.6	4637.1	4989.4	5627.6	6406.0	6887.4	6887.4
22.5°	4677.7	4674.0	4696.1	4677.7	4744.1	4976.5	5574.1	6540.7	7284.0	7313.5
25°	5015.2	4996.8	4991.3	4948.8	4961.7	5096.4	5633.2	6693.7	7754.3	7815.2
27.5°	5465.3	5435.8	5415.5	5317.7	5284.5	5343.6	5813.9	6878.2	8278.2	8383.3
30°	6051.9	5998.4	5968.9	5799.2	5679.3	5688.5	6086.9	7123.5	8826.0	8995.7
32.5°	6852.4	6769.4	6690.1	6411.5	6192.0	6120.1	6439.2	7462.9	9419.9	9691.1
35°	7748.8	7682.4	7597.6	7167.8	6830.2	6664.2	6915.1	7937.0	10115.3	10545.1
37.5°	8612.0	8554.9	8595.4	8016.3	7581.0	7339.3	7538.5	8573.3	10973.0	11607.5
40°	9504.8	9460.5	9466.1	8912.7	8405.5	8134.3	8294.8	9372.0	11956.2	12871.0
42.5°	10475.0	10441.8	10331.1	9840.5	9270.5	9017.8	9165.4	10294.2	13011.2	14309.8
45°	11561.4	11541.1	11437.8	10875.3	10222.3	9938.3	10137.5	11312.4	14071.8	15663.6
47.5°	12500.3	12516.9	12504.0	12029.9	11353.0	10936.1	11174.1	12374.9	15058.6	16936.3
50°	12952.2	13038.9	13166.2	13018.6	12598.0	12173.8	12219.9	13400.4	15999.3	18129.7
52.5°	12716.1	12880.3	13227.0	13463.1	13625.4	13536.9	13413.3	14418.6	16884.7	19206.9
55°	11836.3	12066.8	12642.3	13212.3	14040.5	14684.2	14846.5	15547.4	17747.9	20155.0
57.5°	10233.4	10607.8	11124.3	12277.1	13671.6	15239.4	16517.6	17113.4	18662.8	21167.7
60°	7485.0	7986.8	8628.6	10344.0	12380.4	14942.4	17939.8	19518.7	19963.2	22479.1
62.5°	4790.2	5100.1	5690.3	7306.1	9646.8	13420.7	18375.1	22525.2	22167.4	24629.8
65°	3279.5	3478.8	4019.2	4926.7	6236.3	9989.9	17209.3	24779.2	25668.3	28038.5
67.5°	2383.1	2534.4	2995.5	3790.5	4063.5	5911.7	13354.3	24675.9	29071.4	31550.4
70°	1737.5	1844.5	2231.9	2995.5	3126.5	3288.8	8090.0	20975.8	28997.6	32483.8
72.5°	1287.5	1361.3	1621.3	2324.1	2530.7	2220.8	4004.4	15244.9	24917.6	29381.3
75°	931.5	986.8	1178.6	1778.1	2025.3	1691.4	1997.6	8909.0	17380.9	20667.8
77.5°	712.0	754.4	879.8	1302.2	1621.3	1269.0	1239.5	4098.5	8241.3	8281.9
80°	571.8	599.5	667.7	916.7	1243.2	949.9	807.9	1654.5	2604.5	2204.2
82.5°	420.5	466.7	564.4	643.7	889.1	654.8	492.5	835.6	990.5	852.2
85°	239.8	271.1	341.2	461.1	568.1	400.3	282.2	370.7	461.1	378.1
87.5°	84.8	110.7	119.9	180.8	247.2	166.0	108.8	107.0	151.3	112.5
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°
5096.4	0°	5096.4	5096.4	5096.4	5096.4	5096.4	5096.4	5096.4	5096.4	5096.4	5096.4
5151.7	2.5°	5133.3	5124.1	5087.2	5037.4	4985.7	4935.9	4919.3	4884.3	4860.3	4847.4
5271.6	5°	5236.6	5207.1	5120.4	5009.7	4893.5	4768.1	4679.5	4598.4	4539.4	4484.0
5435.8	7.5°	5384.1	5332.5	5183.1	4989.4	4782.8	4574.4	4419.5	4301.4	4222.1	4170.5
5627.6	10°	5555.7	5476.4	5247.6	4958.1	4639.0	4340.1	4157.5	4056.1	4006.3	3978.6
5847.1	12.5°	5753.0	5640.5	5314.1	4886.1	4419.5	4078.2	3952.8	3923.3	3925.1	3927.0
6123.8	15°	5996.5	5839.7	5367.5	4729.3	4133.6	3877.2	3855.0	3903.0	3952.8	3976.8
6437.4	17.5°	6271.4	6050.0	5376.8	4471.1	3853.2	3748.1	3818.1	3921.4	3997.1	4030.3
6787.8	20°	6566.5	6264.0	5310.4	4105.9	3622.6	3642.9	3768.3	3901.2	3984.2	4026.6
7188.1	22.5°	6904.0	6492.7	5151.7	3722.2	3434.5	3528.6	3676.1	3805.2	3891.9	3934.4
7658.4	25°	7289.5	6749.1	4902.7	3399.4	3272.2	3399.4	3547.0	3654.0	3724.1	3762.8
8184.1	27.5°	7717.5	7016.5	4570.7	3143.1	3130.1	3266.6	3388.4	3471.4	3508.3	3537.8
8743.0	30°	8147.2	7260.0	4168.6	2949.4	3006.6	3135.7	3222.4	3259.3	3270.3	3275.9
9366.5	32.5°	8612.0	7470.3	3746.2	2788.9	2888.5	3008.4	3060.1	3076.7	3025.0	2990.0
10122.7	35°	9174.6	7695.3	3333.0	2661.6	2772.3	2875.6	2892.2	2877.4	2816.6	2744.6
11070.8	37.5°	9870.0	7975.7	3002.9	2571.3	2663.5	2731.7	2711.4	2707.7	2713.3	2628.4
12210.7	40°	10722.2	8340.9	2761.2	2501.2	2574.9	2589.7	2532.5	2563.9	2591.5	2462.4
13461.3	42.5°	11668.4	8781.7	2608.1	2453.2	2501.2	2466.1	2377.6	2412.6	2408.9	2239.2
14717.4	45°	12633.1	9261.3	2554.7	2418.2	2432.9	2362.8	2265.1	2274.3	2196.8	2043.7
15921.9	47.5°	13592.2	9775.9	2587.9	2388.6	2348.1	2268.8	2193.1	2152.5	2038.2	1923.8
17076.5	50°	14532.9	10316.4	2709.6	2329.6	2231.9	2185.8	2130.4	2058.5	1936.7	1839.0
18168.5	52.5°	15405.4	10860.5	2846.1	2231.9	2086.1	2113.8	2078.8	1995.8	1875.9	1776.3
19201.4	55°	16231.7	11404.6	2899.6	2097.2	1949.7	2051.1	2030.8	1877.7	1733.8	1652.7
20282.3	57.5°	17131.9	12059.4	2840.6	1925.7	1839.0	1979.2	1901.7	1732.0	1649.0	1588.1
21689.7	60°	18378.8	13086.8	2713.3	1713.6	1733.8	1872.2	1739.4	1669.3	1578.9	1510.7
23799.8	62.5°	20450.1	15003.3	2508.5	1503.3	1610.3	1713.6	1661.9	1591.8	1499.6	1433.2
27407.7	65°	23512.0	17666.8	2123.0	1339.1	1471.9	1558.6	1578.9	1508.8	1412.9	1342.8
30569.2	67.5°	26094.4	19337.9	1606.6	1202.6	1329.9	1433.2	1490.4	1422.1	1320.7	1252.4
31308.8	70°	25952.3	18124.2	1226.6	1068.0	1204.5	1309.6	1383.4	1329.9	1221.1	1156.5
28438.7	72.5°	23050.9	15161.9	992.3	931.5	1077.2	1180.5	1269.0	1228.4	1117.8	1055.1
20833.8	75°	16934.5	10762.7	793.1	793.1	918.6	1045.8	1143.6	1117.8	1016.3	972.1
8746.7	77.5°	7138.3	4515.4	621.6	658.5	763.6	898.3	1020.0	1029.2	940.7	996.0
2313.0	80°	1898.0	1245.0	474.0	518.3	599.5	741.5	887.2	883.5	787.6	736.0
859.5	82.5°	723.1	490.6	337.5	365.2	433.5	568.1	702.8	724.9	629.0	544.1
337.5	85°	278.5	210.3	208.4	219.5	252.7	376.3	531.2	549.7	474.0	402.1
94.1	87.5°	71.9	62.7	77.5	73.8	116.2	201.1	304.3	315.4	289.6	167.9
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°
5096.4
4862.1
4506.2
4181.5
3986.0
3930.7
3974.9
4037.6
4037.6
3945.4
3773.9
3548.8
3288.8
3001.0
2748.3
2634.0
2466.1
2237.4
2049.3
1923.8
1831.6
1778.1
1645.3
1582.6
1507.0
1433.2
1346.5
1254.3
1162.0
1055.1
959.1
903.8
684.3
544.1
415.0
239.8
0.0

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