

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: P853095

Luminaire Tested: **GLAN-SB8C-930-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853095  
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-SB8C-930-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

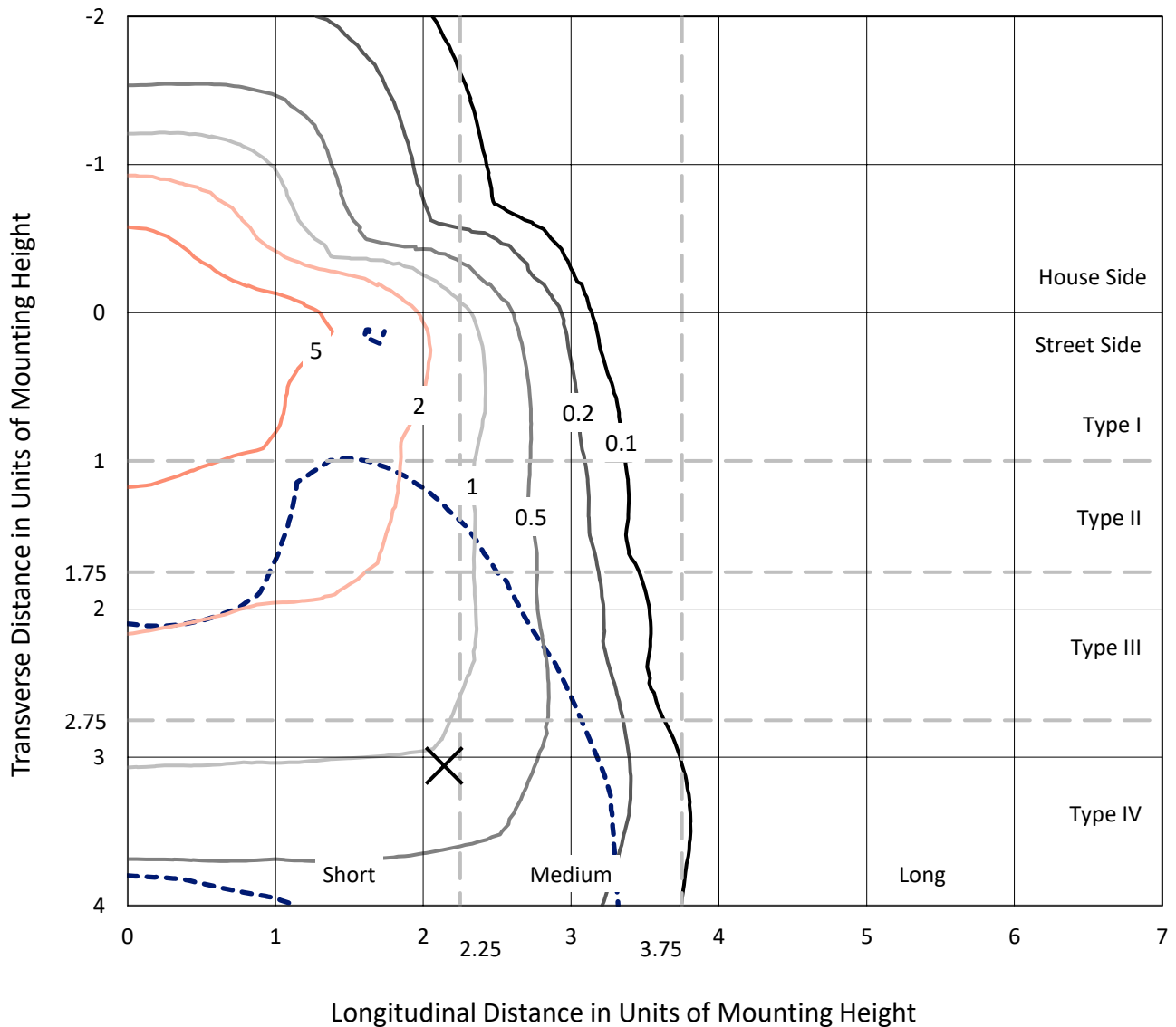
Lumens per Lamp: N/A  
Luminaire Lumens: 40380 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): 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

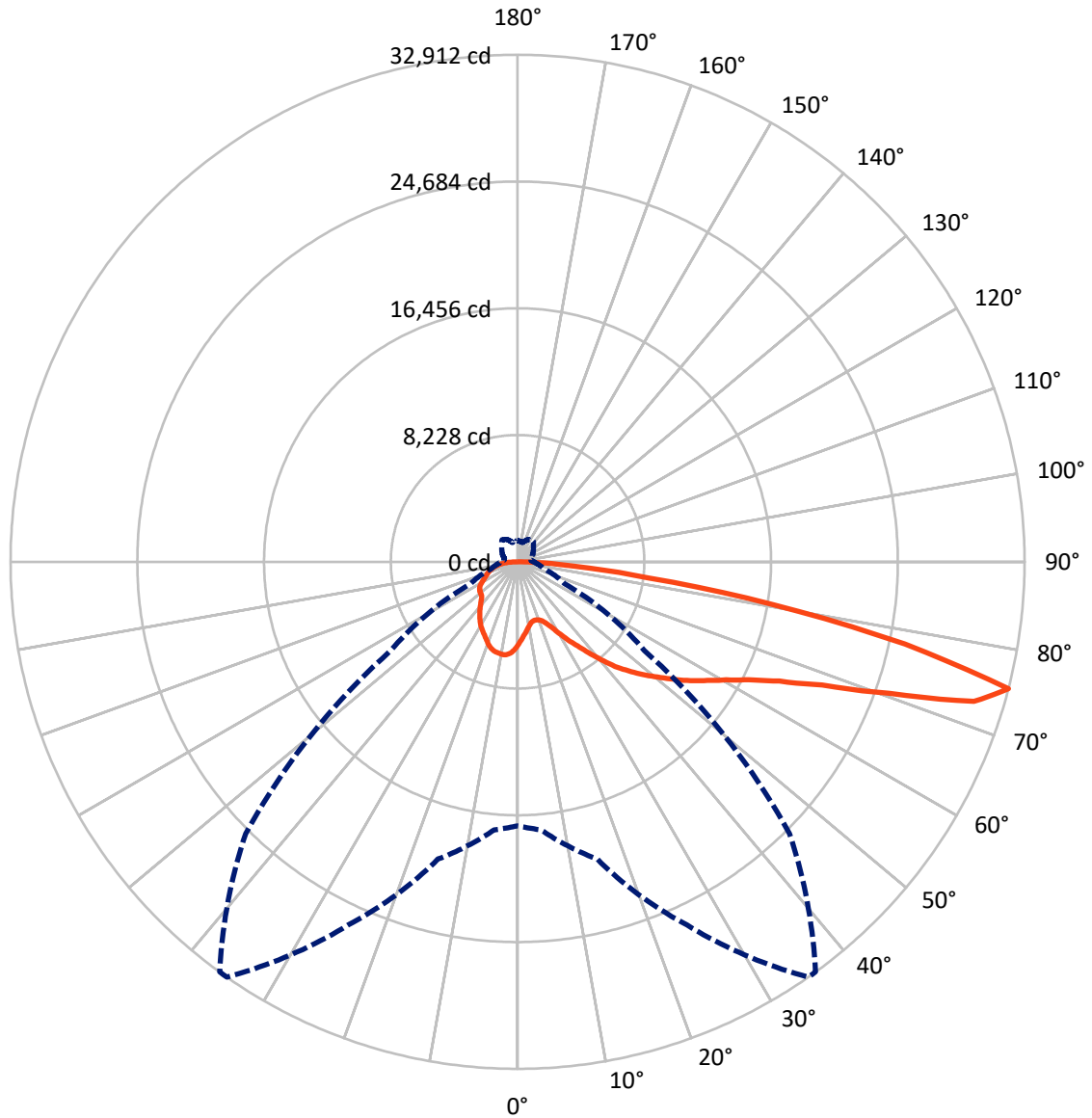
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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	9609.4	0.0	9609.4
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	30770.6	0.0	30770.6
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	40380.0	0.0	40380.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	509.5	1.3
10°-20°	1469.5	3.6
20°-30°	2467.7	6.1
30°-40°	3835.1	9.5
40°-50°	5692.4	14.1
50°-60°	7858.7	19.5
60°-70°	9534.4	23.6
70°-80°	7879.4	19.5
80°-90°	1133.3	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°	40380.0	100.0
0°-180°	40380.0	100.0

**Coefficient of Utilization**

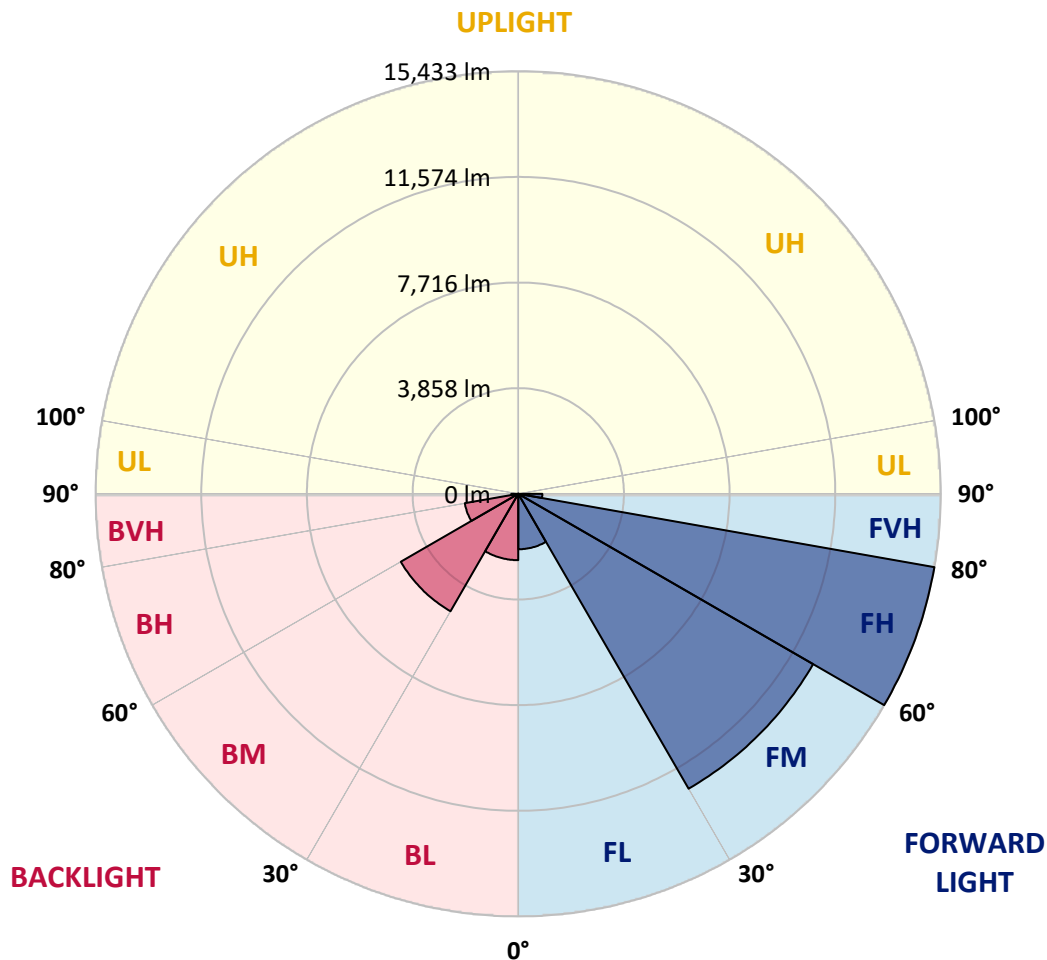


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2025.0	5.0			
FM (30°-60°)	12434.9	30.8			
FH (60°-80°)	15432.6	38.2			G5
FVH (80°-90°)	878.1	2.2			G5
BL (0°-30°)	2421.7	6.0	B3/2500		
BM (30°-60°)	4951.4	12.3	B3/5000		
BH (60°-80°)	1981.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	255.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5380.9	5380.9	5380.9	5380.9	5380.9	5380.9	5380.9	5380.9	5380.9	5380.9
2.5°	4961.8	4992.3	5005.4	4998.9	5031.6	5027.3	5073.1	5129.9	5208.5	5284.9
5°	4579.8	4612.5	4640.9	4667.1	4730.4	4750.0	4822.1	4931.2	5075.3	5221.6
7.5°	4224.0	4252.3	4296.0	4344.0	4451.0	4470.6	4590.7	4761.0	4961.8	5175.7
10°	3933.6	3962.0	4007.8	4062.4	4195.6	4219.6	4372.4	4599.4	4861.4	5132.1
12.5°	3809.2	3817.9	3844.1	3898.7	4014.4	4029.7	4197.8	4457.5	4763.1	5099.3
15°	3802.7	3820.1	3822.3	3850.7	3946.7	3953.3	4108.3	4365.8	4702.0	5092.8
17.5°	3868.1	3881.2	3861.6	3879.1	3959.8	3970.7	4093.0	4322.2	4682.4	5121.1
20°	4042.8	4053.7	3994.8	3970.7	4029.7	4038.4	4158.5	4350.6	4702.0	5180.1
22.5°	4413.9	4420.4	4276.3	4178.1	4182.5	4186.8	4291.6	4466.3	4778.4	5287.0
25°	4992.3	4988.0	4758.8	4568.9	4459.7	4435.7	4505.6	4654.0	4907.2	5428.9
27.5°	5669.1	5636.3	5407.1	5123.3	4885.4	4850.5	4835.2	4898.5	5090.6	5616.7
30°	6433.1	6402.5	6155.8	5784.7	5455.1	5398.4	5254.3	5221.6	5363.4	5872.1
32.5°	7271.3	7251.7	6957.0	6507.3	6066.3	6000.9	5758.6	5671.2	5782.6	6258.4
35°	7974.2	7956.8	7712.3	7249.5	6710.3	6629.5	6382.9	6284.6	6341.4	6754.0
37.5°	8609.5	8600.7	8391.2	8026.6	7470.0	7371.7	7094.5	7061.8	7050.8	7406.7
40°	9198.8	9177.0	8958.7	8766.6	8354.1	8264.6	8020.1	7991.7	7908.7	8210.0
42.5°	9851.5	9794.8	9478.3	9388.8	9277.4	9203.2	9057.0	9061.3	8878.0	9115.9
45°	10384.2	10351.4	10026.2	9973.8	10093.8	10063.3	10189.9	10222.6	9866.8	10065.5
47.5°	10956.1	10925.5	10650.5	10613.4	10938.6	10947.4	11394.9	11405.8	10831.7	11052.1
50°	11661.2	11617.5	11344.7	11390.5	11755.0	11787.8	12606.4	12532.2	11720.1	12054.1
52.5°	12126.1	12152.3	12093.4	12167.6	12665.3	12695.9	13798.3	13608.3	12599.8	13043.0
55°	12468.9	12521.3	12704.6	12874.9	13625.8	13656.4	14922.5	14632.1	13328.9	13959.8
57.5°	12909.8	12835.6	13178.3	13510.1	14538.3	14619.0	16016.1	15618.8	13975.1	14750.0
60°	13542.9	13490.5	13756.8	14247.9	15559.9	15688.7	17173.1	16507.3	14448.8	15376.5
62.5°	14826.4	14695.4	14736.9	15171.3	16847.8	17018.1	18478.5	17282.2	14684.5	15621.0
65°	16745.2	16520.4	16310.8	16612.1	18661.8	18829.9	19951.9	17891.2	14597.2	15147.3
67.5°	19161.7	18939.1	18681.5	18965.2	21333.7	21466.9	21770.3	18234.0	13909.6	13322.4
70°	21154.7	21071.8	21379.6	22547.4	25601.3	25605.7	24101.7	17950.2	12025.7	9445.5
72.5°	20890.6	20840.4	22462.3	26072.8	30980.1	30864.4	26308.6	15802.2	8100.8	4261.1
75°	17138.1	17463.4	19975.9	26009.5	32911.9	32896.7	24957.4	10045.8	3350.8	1766.0
77.5°	9190.1	9705.3	12968.8	19203.2	25693.0	26079.4	17546.3	3514.5	1438.5	1130.8
80°	2997.2	3446.8	5169.2	9777.3	16695.0	16623.0	7520.2	1379.6	984.5	801.1
82.5°	1272.6	1325.0	2309.5	4616.9	8568.0	8434.8	2394.7	792.4	692.0	547.9
85°	497.7	556.6	1019.4	2134.9	3711.0	3630.2	864.4	392.9	443.1	358.0
87.5°	163.7	198.6	364.5	731.3	1154.8	1113.3	211.7	135.3	192.1	163.7
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°
5380.9	0°	5380.9	5380.9	5380.9	5380.9	5380.9	5380.9	5380.9	5380.9	5380.9	5380.9
5396.2	2.5°	5426.7	5461.7	5503.2	5564.3	5616.7	5660.3	5706.2	5734.5	5745.5	5778.2
5404.9	5°	5466.0	5542.4	5645.0	5745.5	5843.7	5902.6	5955.0	5981.2	6005.2	6022.7
5428.9	7.5°	5531.5	5629.8	5791.3	5922.3	6005.2	6053.2	6088.2	6079.4	6088.2	6092.5
5455.1	10°	5588.3	5725.8	5917.9	6042.3	6105.6	6107.8	6099.1	6068.5	6053.2	6055.4
5494.4	12.5°	5656.0	5808.8	6016.1	6120.9	6138.4	6090.4	6053.2	6000.9	5981.2	5972.5
5553.4	15°	5747.6	5922.3	6123.1	6162.4	6118.7	6057.6	5994.3	5909.2	5865.5	5830.6
5653.8	17.5°	5859.0	6051.1	6206.1	6177.7	6083.8	5983.4	5880.8	5752.0	5662.5	5625.4
5791.3	20°	6014.0	6186.4	6269.4	6144.9	6003.0	5850.2	5675.6	5518.4	5435.5	5398.4
5965.9	22.5°	6201.7	6367.6	6330.5	6088.2	5887.3	5642.9	5424.6	5308.9	5267.4	5241.2
6190.8	25°	6426.5	6568.4	6374.1	6005.2	5697.4	5367.8	5199.7	5162.6	5143.0	5123.3
6465.8	27.5°	6719.0	6795.4	6406.9	5883.0	5400.6	5075.3	5014.2	5020.7	5014.2	4981.4
6847.8	30°	7105.4	7090.1	6437.4	5684.3	5060.0	4811.2	4815.5	4843.9	4848.3	4826.4
7380.5	32.5°	7614.0	7459.1	6452.7	5426.7	4734.8	4579.8	4584.1	4614.7	4636.5	4599.4
8076.8	35°	8229.6	7889.1	6428.7	5103.7	4483.7	4359.3	4326.6	4335.3	4341.8	4306.9
8921.6	37.5°	8947.8	8371.5	6321.7	4745.7	4276.3	4143.2	4073.3	4014.4	3979.5	3946.7
9877.7	40°	9735.8	8897.6	6125.3	4396.4	4045.0	3914.0	3809.2	3697.9	3580.0	3536.3
10890.6	42.5°	10561.0	9439.0	5887.3	4062.4	3778.6	3671.7	3560.3	3398.8	3222.0	3132.5
11942.8	45°	11416.7	9993.4	5653.8	3732.8	3505.8	3459.9	3331.1	3136.9	2944.8	2831.3
12997.1	47.5°	12254.9	10517.3	5311.1	3401.0	3250.4	3300.6	3200.2	3021.2	2807.2	2628.2
14042.8	50°	13056.1	11008.5	4750.0	3064.8	3043.0	3252.6	3156.5	2898.9	2654.4	2425.2
15068.7	52.5°	13850.7	11405.8	4031.9	2759.2	2931.7	3239.5	3099.8	2816.0	2516.9	2276.8
16033.6	55°	14525.2	11611.0	3339.9	2497.3	2770.1	3128.1	3032.1	2717.7	2322.6	2067.2
16695.0	57.5°	14909.4	11445.1	2763.6	2239.7	2547.5	2944.8	2916.4	2508.2	2091.2	1894.8
16823.8	60°	14743.5	10772.7	2292.1	2014.8	2335.7	2746.1	2715.6	2300.8	1914.4	1728.9
16134.0	62.5°	13828.8	9491.4	1918.8	1818.4	2143.6	2543.1	2514.7	2141.4	1779.1	1600.1
14302.5	65°	11986.4	7721.0	1628.5	1654.7	1949.4	2298.6	2340.1	2008.3	1672.1	1497.5
11065.2	67.5°	9142.1	5592.7	1401.4	1512.8	1759.4	2058.5	2178.6	1912.2	1582.6	1416.7
6402.5	70°	5210.6	3176.2	1209.3	1375.2	1591.4	1835.8	2054.1	1835.8	1486.6	1349.0
2399.0	72.5°	1975.5	1458.2	1045.6	1237.7	1429.8	1648.1	1916.6	1715.8	1375.2	1272.6
1239.9	75°	1054.4	888.5	879.7	1076.2	1244.3	1464.7	1744.2	1597.9	1292.3	1344.7
857.9	77.5°	718.2	628.7	735.6	921.2	1041.3	1261.7	1560.8	1418.9	1119.8	1115.5
593.8	80°	497.7	445.3	598.1	742.2	805.5	1060.9	1362.1	1218.1	912.5	851.3
366.7	82.5°	299.1	290.3	447.5	554.5	569.7	818.6	1128.6	1021.6	746.6	650.5
218.3	85°	163.7	172.5	286.0	325.3	331.8	571.9	884.1	790.2	574.1	482.4
78.6	87.5°	45.8	58.9	104.8	128.8	159.4	296.9	526.1	469.3	288.1	200.8
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°
5380.9
5776.0
6027.1
6099.1
6059.8
5968.1
5841.5
5627.6
5394.0
5245.6
5123.3
4988.0
4837.4
4616.9
4330.9
3968.6
3556.0
3143.4
2822.5
2608.6
2405.6
2250.6
2045.4
1868.6
1702.7
1571.7
1469.1
1390.5
1331.6
1255.2
1388.3
1028.2
814.2
654.9
486.8
200.8
0.0

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