

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: P853093

Luminaire Tested: **GLAN-SB8C-927-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853093  
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-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38545 lumens  
Efficiency: N/A  
Efficacy: 96.4 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

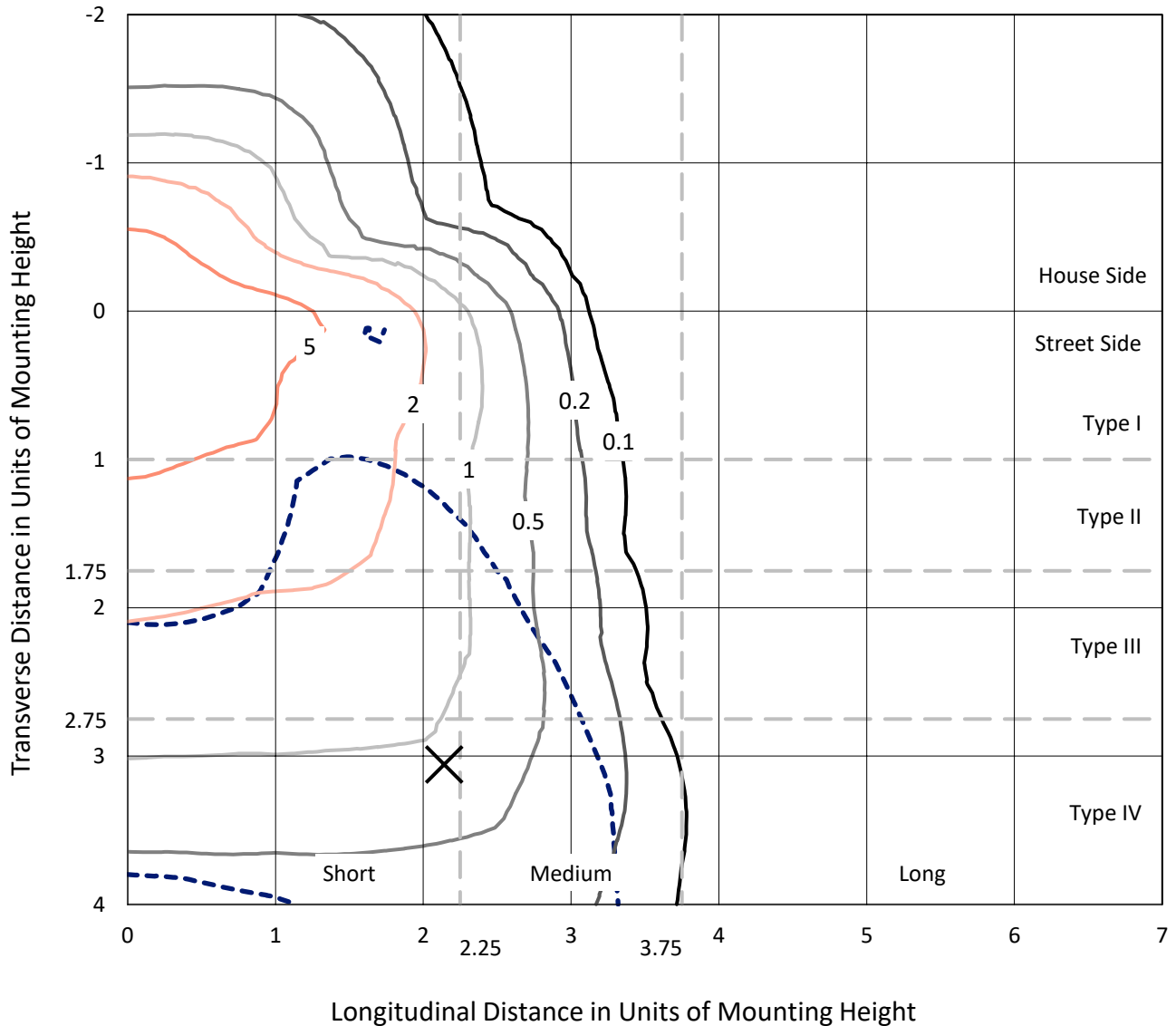
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

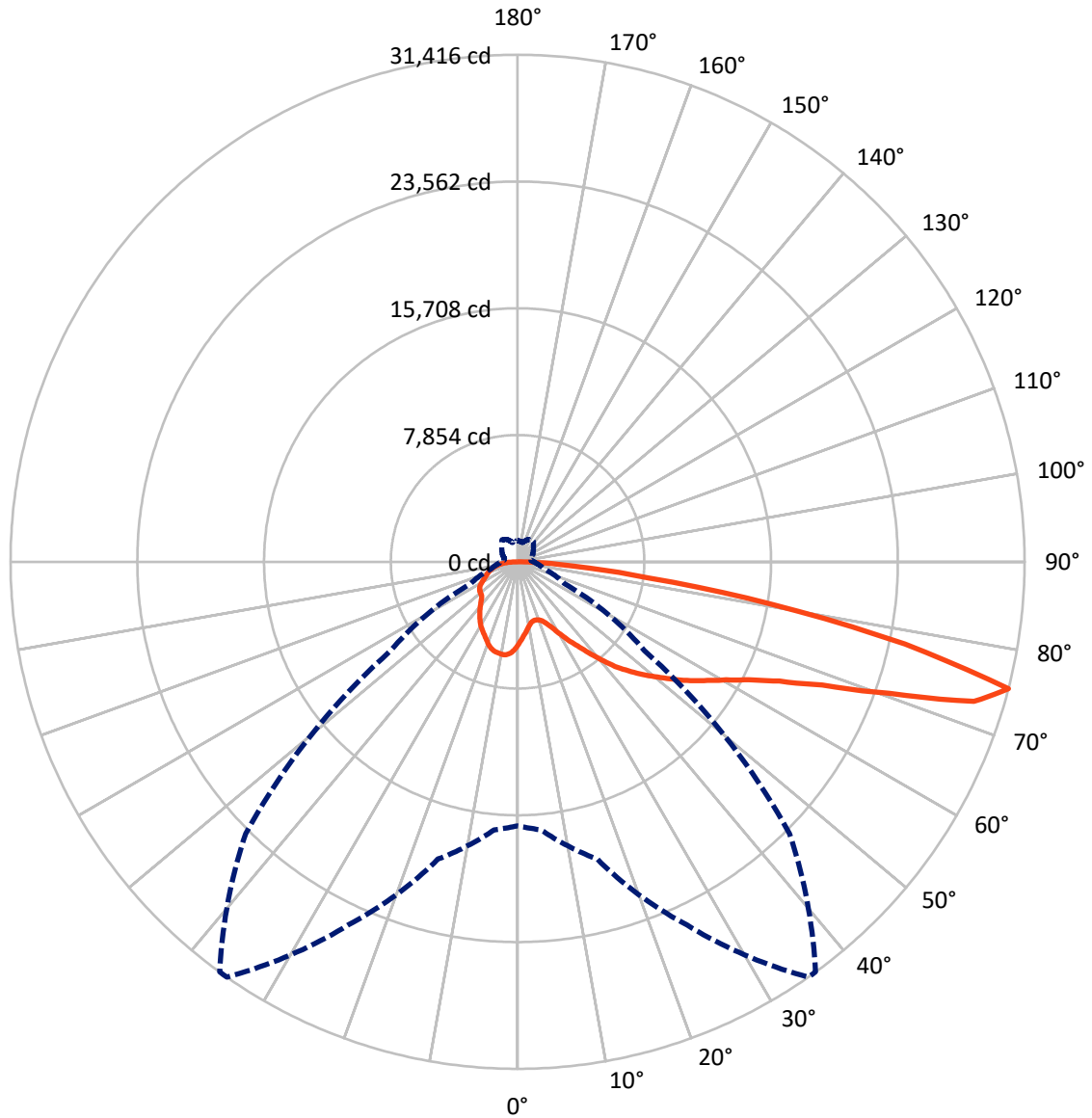
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	9172.7	0.0	9172.7
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	29372.3	0.0	29372.3
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	38545.0	0.0	38545.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	486.3	1.3
10°-20°	1402.7	3.6
20°-30°	2355.6	6.1
30°-40°	3660.9	9.5
40°-50°	5433.7	14.1
50°-60°	7501.5	19.5
60°-70°	9101.1	23.6
70°-80°	7521.4	19.5
80°-90°	1081.8	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°	38545.0	100.0
0°-180°	38545.0	100.0

**Coefficient of Utilization**

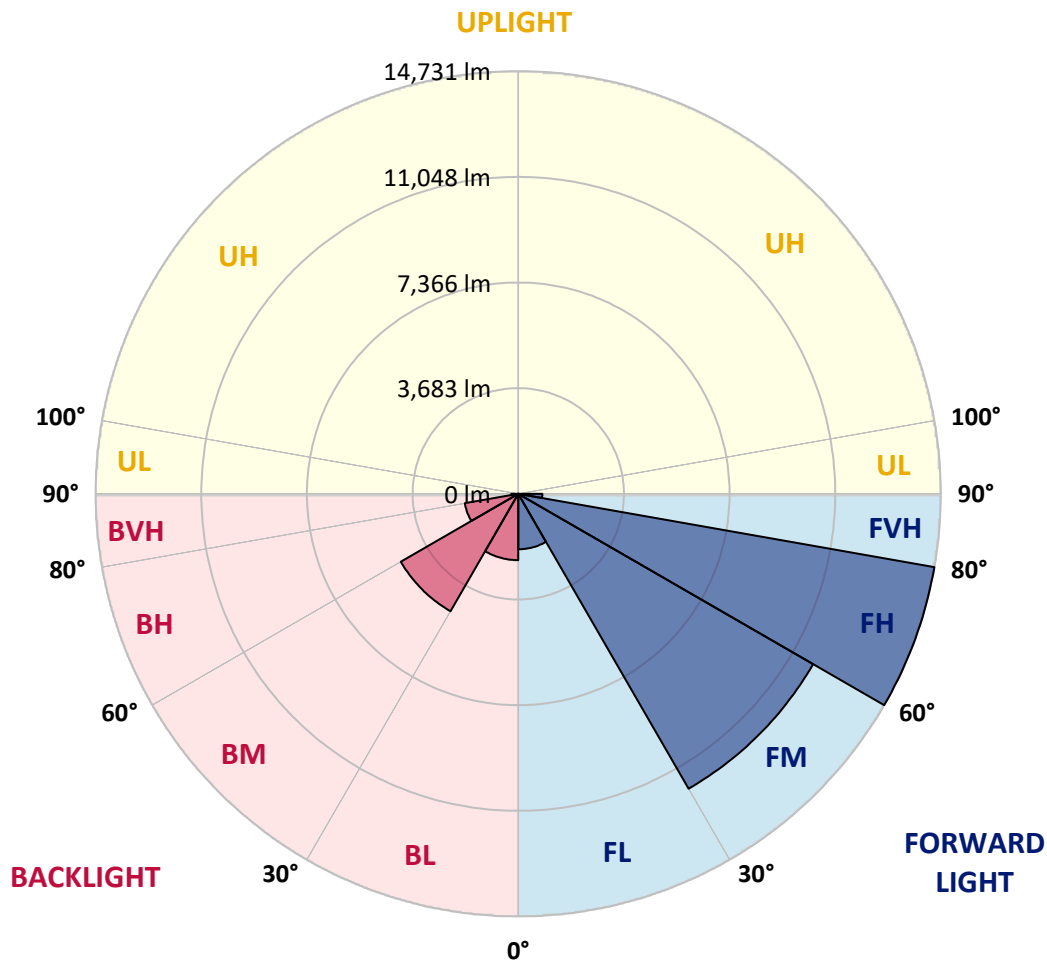


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1933.0	5.0			
FM (30°-60°)	11869.8	30.8			
FH (60°-80°)	14731.3	38.2			G5
FVH (80°-90°)	838.2	2.2			G5
BL (0°-30°)	2311.7	6.0	B3/2500		
BM (30°-60°)	4726.4	12.3	B3/5000		
BH (60°-80°)	1891.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	243.6	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°	5136.4	5136.4	5136.4	5136.4	5136.4	5136.4	5136.4	5136.4	5136.4	5136.4
2.5°	4736.3	4765.5	4778.0	4771.7	4803.0	4798.8	4842.6	4896.8	4971.8	5044.7
5°	4371.7	4402.9	4430.0	4455.0	4515.4	4534.2	4602.9	4707.1	4844.7	4984.3
7.5°	4032.0	4059.1	4100.8	4146.6	4248.7	4267.5	4382.1	4544.6	4736.3	4940.5
10°	3754.9	3782.0	3825.7	3877.8	4004.9	4027.8	4173.7	4390.4	4640.5	4898.8
12.5°	3636.1	3644.4	3669.4	3721.5	3832.0	3846.6	4007.0	4255.0	4546.7	4867.6
15°	3629.8	3646.5	3648.6	3675.7	3767.4	3773.6	3921.6	4167.4	4488.3	4861.3
17.5°	3692.4	3704.9	3686.1	3702.8	3779.9	3790.3	3907.0	4125.8	4469.6	4888.4
20°	3859.1	3869.5	3813.2	3790.3	3846.6	3854.9	3969.5	4152.9	4488.3	4944.7
22.5°	4213.3	4219.5	4082.0	3988.2	3992.4	3996.6	4096.6	4263.3	4561.3	5046.8
25°	4765.5	4761.3	4542.5	4361.2	4257.1	4234.1	4300.8	4442.5	4684.2	5182.2
27.5°	5411.4	5380.2	5161.4	4890.5	4663.4	4630.0	4615.5	4675.9	4859.2	5361.4
30°	6140.7	6111.6	5876.1	5521.9	5207.2	5153.1	5015.5	4984.3	5119.7	5605.2
32.5°	6940.9	6922.1	6640.8	6211.6	5790.7	5728.2	5496.9	5413.5	5519.8	5974.0
35°	7611.8	7595.2	7361.8	6920.1	6405.4	6328.3	6092.8	5999.0	6053.2	6447.0
37.5°	8218.2	8209.9	8009.8	7661.9	7130.5	7036.7	6772.1	6740.9	6730.4	7070.1
40°	8780.8	8760.0	8551.6	8368.2	7974.4	7889.0	7655.6	7628.5	7549.3	7836.9
42.5°	9403.9	9349.7	9047.5	8962.1	8855.8	8785.0	8645.4	8649.5	8474.5	8701.6
45°	9912.3	9881.0	9570.5	9520.5	9635.1	9606.0	9726.8	9758.1	9418.4	9608.1
47.5°	10458.2	10429.0	10166.5	10131.1	10441.5	10449.9	10877.0	10887.5	10339.4	10549.9
50°	11131.3	11089.6	10829.1	10872.9	11220.9	11252.1	12033.5	11962.7	11187.5	11506.3
52.5°	11575.1	11600.1	11543.8	11614.7	12089.8	12118.9	13171.2	12989.9	12027.3	12450.3
55°	11902.2	11952.2	12127.3	12289.8	13006.6	13035.8	14244.3	13967.2	12723.2	13325.4
57.5°	12323.1	12252.3	12579.4	12896.2	13877.6	13954.7	15288.3	14909.1	13340.0	14079.7
60°	12927.4	12877.4	13131.6	13600.5	14852.8	14975.7	16392.7	15757.1	13792.2	14677.8
62.5°	14152.7	14027.6	14067.2	14481.9	16082.2	16244.7	17638.7	16496.9	14017.2	14911.1
65°	15984.3	15769.6	15569.6	15857.1	17813.8	17974.2	19045.2	17078.2	13933.9	14459.0
67.5°	18290.9	18078.4	17832.5	18103.4	20364.2	20491.4	20781.0	17405.4	13277.5	12717.0
70°	20193.4	20114.2	20408.0	21522.8	24437.9	24442.1	23006.4	17134.5	11479.2	9016.3
72.5°	19941.2	19893.3	21441.5	24888.0	29572.2	29461.8	25113.1	15084.1	7732.7	4067.4
75°	16359.3	16669.8	19068.2	24827.6	31416.3	31401.7	23823.2	9589.3	3198.5	1685.7
77.5°	8772.5	9264.2	12379.4	18330.5	24525.4	24894.3	16749.0	3354.8	1373.2	1079.4
80°	2861.0	3290.2	4934.3	9333.0	15936.3	15867.6	7178.4	1316.9	939.8	764.7
82.5°	1214.8	1264.8	2204.6	4407.1	8178.6	8051.5	2285.8	756.4	660.5	523.0
85°	475.1	531.3	973.1	2037.9	3542.3	3465.2	825.2	375.1	423.0	341.7
87.5°	156.3	189.6	348.0	698.0	1102.3	1062.7	202.1	129.2	183.4	156.3
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°
5136.4	0°	5136.4	5136.4	5136.4	5136.4	5136.4	5136.4	5136.4	5136.4	5136.4	5136.4
5151.0	2.5°	5180.1	5213.5	5253.1	5311.4	5361.4	5403.1	5446.9	5473.9	5484.4	5515.6
5159.3	5°	5217.6	5290.6	5388.5	5484.4	5578.1	5634.4	5684.4	5709.4	5732.3	5749.0
5182.2	7.5°	5280.2	5373.9	5528.1	5653.1	5732.3	5778.2	5811.5	5803.2	5811.5	5815.7
5207.2	10°	5334.3	5465.6	5649.0	5767.8	5828.2	5830.3	5821.9	5792.8	5778.2	5780.3
5244.7	12.5°	5398.9	5544.8	5742.7	5842.8	5859.4	5813.6	5778.2	5728.2	5709.4	5701.1
5301.0	15°	5486.4	5653.1	5844.8	5882.4	5840.7	5782.3	5721.9	5640.6	5599.0	5565.6
5396.8	17.5°	5592.7	5776.1	5924.0	5896.9	5807.3	5711.5	5613.6	5490.6	5405.2	5369.8
5528.1	20°	5740.7	5905.3	5984.5	5865.7	5730.2	5584.4	5417.7	5267.7	5188.5	5153.1
5694.8	22.5°	5919.9	6078.2	6042.8	5811.5	5619.8	5386.4	5178.1	5067.6	5028.0	5003.0
5909.4	25°	6134.5	6269.9	6084.5	5732.3	5438.5	5123.9	4963.4	4928.0	4909.3	4890.5
6172.0	27.5°	6413.7	6486.6	6115.7	5615.6	5155.1	4844.7	4786.3	4792.6	4786.3	4755.1
6536.6	30°	6782.5	6767.9	6144.9	5426.0	4830.1	4592.5	4596.7	4623.8	4628.0	4607.1
7045.1	32.5°	7268.0	7120.1	6159.5	5180.1	4519.6	4371.7	4375.8	4405.0	4425.8	4390.4
7709.8	35°	7855.6	7530.6	6136.6	4871.7	4280.0	4161.2	4129.9	4138.3	4144.5	4111.2
8516.2	37.5°	8541.2	7991.1	6034.5	4530.0	4082.0	3954.9	3888.2	3832.0	3798.6	3767.4
9428.9	40°	9293.4	8493.3	5846.9	4196.6	3861.1	3736.1	3636.1	3529.8	3417.3	3375.6
10395.7	42.5°	10081.1	9010.0	5619.8	3877.8	3606.9	3504.8	3398.6	3244.4	3075.6	2990.1
11400.1	45°	10897.9	9539.3	5396.8	3563.2	3346.5	3302.7	3179.8	2994.3	2810.9	2702.6
12406.5	47.5°	11698.0	10039.4	5069.7	3246.4	3102.7	3150.6	3054.7	2883.9	2679.7	2508.8
13404.6	50°	12462.8	10508.2	4534.2	2925.5	2904.7	3104.8	3013.1	2767.2	2533.8	2315.0
14384.0	52.5°	13221.2	10887.5	3848.6	2633.8	2798.4	3092.2	2958.9	2688.0	2402.5	2173.3
15305.0	55°	13865.1	11083.3	3188.1	2383.8	2644.2	2986.0	2894.3	2594.2	2217.1	1973.3
15936.3	57.5°	14231.8	10925.0	2638.0	2137.9	2431.7	2810.9	2783.9	2394.2	1996.2	1808.7
16059.3	60°	14073.5	10283.2	2187.9	1923.3	2229.6	2621.3	2592.2	2196.2	1827.4	1650.3
15400.8	62.5°	13200.4	9060.0	1831.6	1735.7	2046.2	2427.5	2400.5	2044.1	1698.2	1527.4
13652.6	65°	11441.7	7370.1	1554.5	1579.5	1860.8	2194.2	2233.8	1917.0	1596.1	1429.4
10562.4	67.5°	8726.6	5338.5	1337.8	1444.0	1679.5	1965.0	2079.6	1825.3	1510.7	1352.3
6111.6	70°	4973.9	3031.8	1154.4	1312.7	1519.0	1752.4	1960.8	1752.4	1419.0	1287.7
2290.0	72.5°	1885.8	1391.9	998.1	1181.5	1364.8	1573.2	1829.5	1637.8	1312.7	1214.8
1183.6	75°	1006.4	848.1	839.7	1027.3	1187.7	1398.2	1664.9	1525.3	1233.6	1283.6
818.9	77.5°	685.5	600.1	702.2	879.3	993.9	1204.4	1489.9	1354.4	1069.0	1064.8
566.8	80°	475.1	425.1	570.9	708.5	768.9	1012.7	1300.2	1162.7	871.0	812.7
350.1	82.5°	285.5	277.1	427.2	529.3	543.9	781.4	1077.3	975.2	712.6	621.0
208.4	85°	156.3	164.6	273.0	310.5	316.7	545.9	843.9	754.3	548.0	460.5
75.0	87.5°	43.8	56.3	100.0	122.9	152.1	283.4	502.2	448.0	275.1	191.7
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°
5136.4
5513.5
5753.2
5821.9
5784.4
5696.9
5576.0
5371.8
5148.9
5007.2
4890.5
4761.3
4617.5
4407.1
4134.1
3788.2
3394.4
3000.6
2694.3
2490.1
2296.3
2148.3
1952.5
1783.7
1625.3
1500.3
1402.3
1327.3
1271.1
1198.1
1325.2
981.4
777.2
625.1
464.7
191.7
0.0

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