

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: P851593

Luminaire Tested: **GLAN-SB9C-927-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851593  
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-SB9C-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43545 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

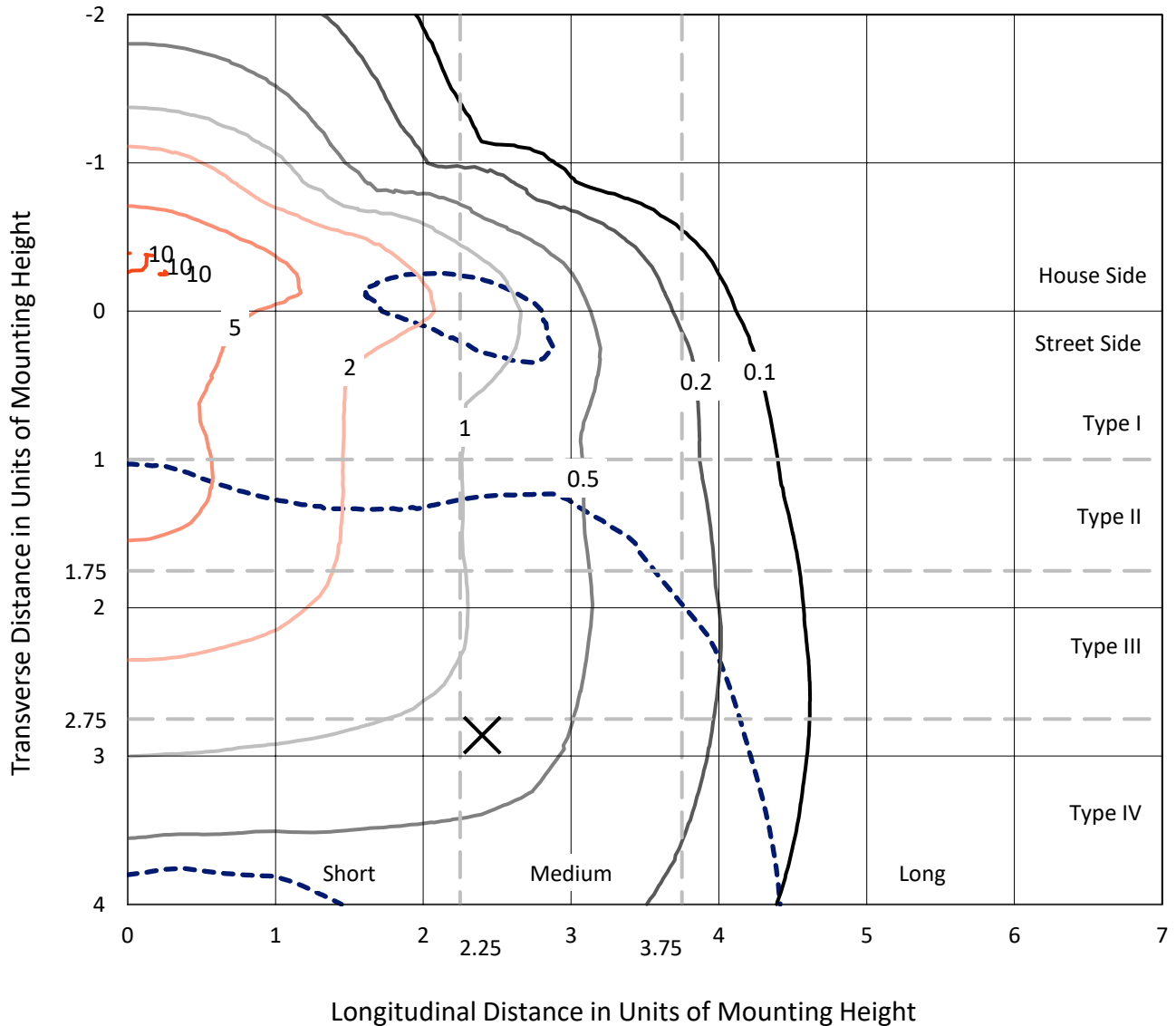
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

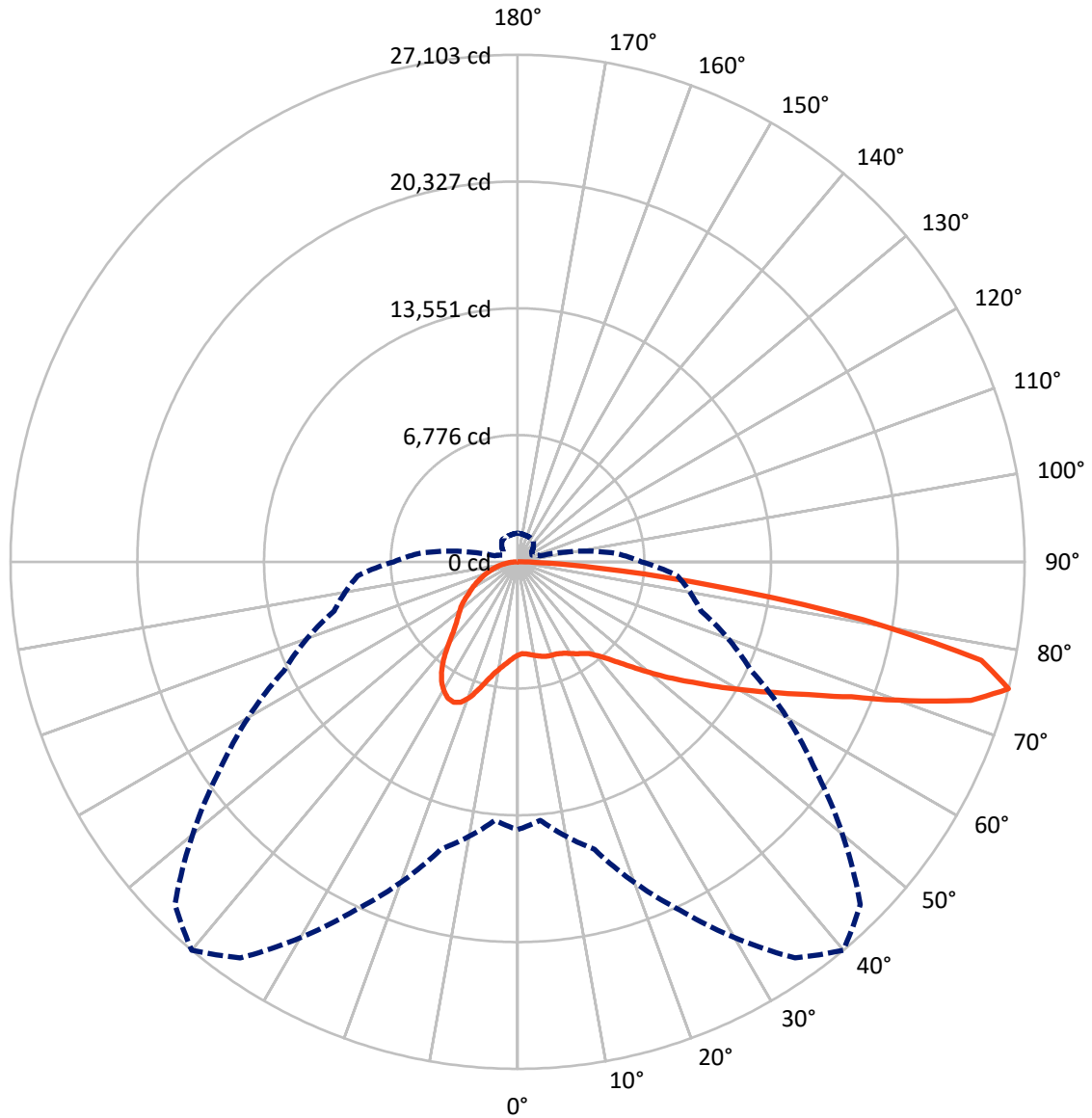
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	13491.7	0.0	13491.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	30053.3	0.0	30053.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	43545.0	0.0	43545.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	497.0	1.1
10°-20°	1668.8	3.8
20°-30°	3047.1	7.0
30°-40°	4321.6	9.9
40°-50°	5835.5	13.4
50°-60°	7850.3	18.0
60°-70°	9963.8	22.9
70°-80°	9042.8	20.8
80°-90°	1318.1	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°	43545.0	100.0
0°-180°	43545.0	100.0

**Coefficient of Utilization**

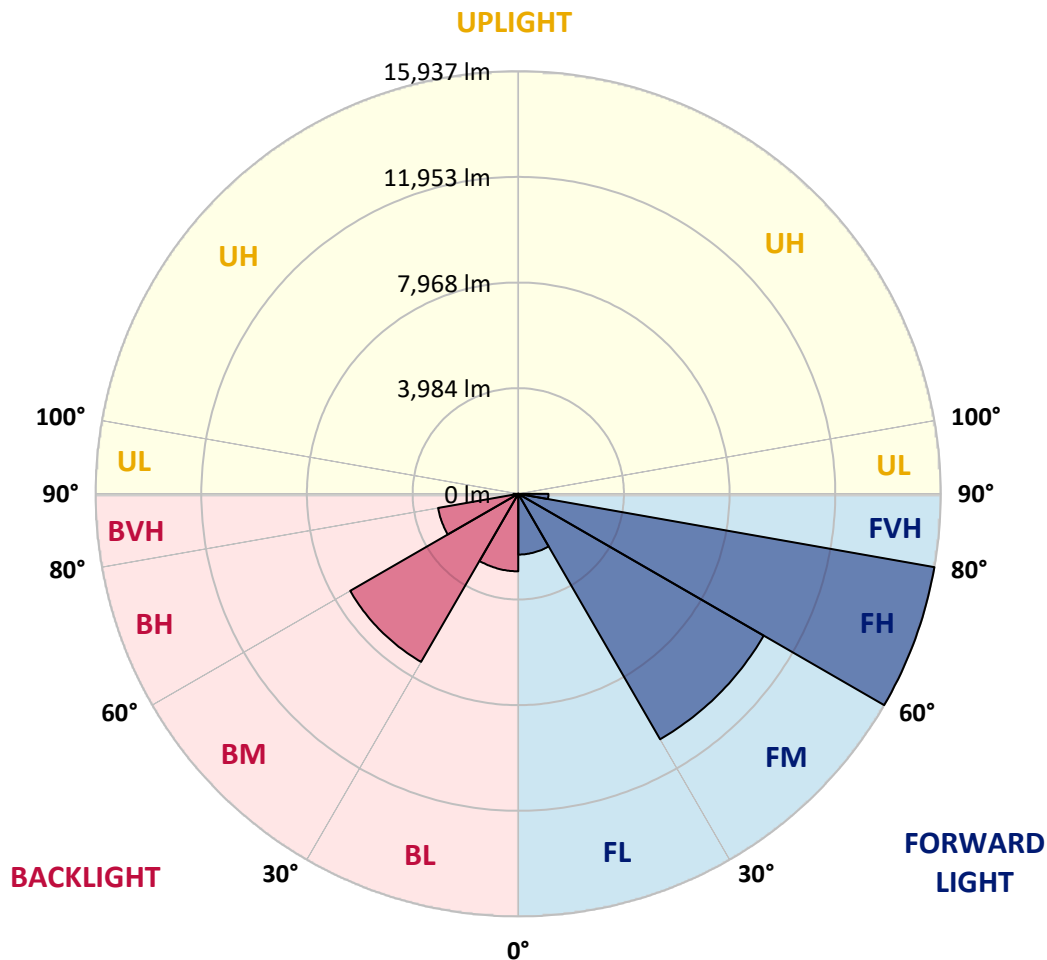


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2290.5	5.3			
FM (30°-60°)	10689.3	24.5			
FH (60°-80°)	15936.8	36.6			G5
FVH (80°-90°)	1136.7	2.6			G5
BL (0°-30°)	2922.4	6.7	B4/5000		
BM (30°-60°)	7318.0	16.8	B4/8500		
BH (60°-80°)	3069.8	7.0	B4/5000		G4/5000
BVH (80°-90°)	181.5	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4979.4	4979.4	4979.4	4979.4	4979.4	4979.4	4979.4	4979.4	4979.4	4979.4
2.5°	4903.2	4930.9	4924.0	4914.8	4914.8	4917.1	4914.8	4930.9	4947.1	4963.3
5°	4954.0	4981.7	4967.9	4956.3	4947.1	4944.8	4937.9	4935.5	4944.8	4965.6
7.5°	5053.3	5081.0	5060.3	5039.5	5021.0	5011.8	5002.5	4988.7	4981.7	4993.3
10°	5164.2	5191.9	5166.5	5129.6	5099.5	5088.0	5078.7	5064.9	5055.6	5062.6
12.5°	5275.1	5302.8	5268.1	5217.3	5178.1	5171.1	5159.6	5155.0	5152.6	5150.3
15°	5379.0	5402.1	5358.2	5298.1	5256.6	5245.0	5233.5	5240.4	5252.0	5265.8
17.5°	5459.8	5482.9	5418.2	5339.7	5300.5	5295.8	5288.9	5312.0	5344.3	5379.0
20°	5533.7	5556.8	5473.7	5367.4	5321.2	5321.2	5323.6	5372.1	5418.2	5469.1
22.5°	5637.7	5656.1	5554.5	5409.0	5342.0	5346.7	5365.1	5413.6	5471.4	5540.7
25°	5792.4	5806.3	5681.5	5487.5	5411.3	5425.2	5441.3	5464.4	5519.9	5600.7
27.5°	6041.8	6053.4	5889.4	5626.1	5510.6	5533.7	5556.8	5540.7	5566.1	5635.3
30°	6392.9	6399.8	6192.0	5843.2	5679.2	5690.8	5695.4	5628.4	5579.9	5635.3
32.5°	6808.6	6806.3	6559.2	6106.5	5870.9	5859.4	5820.1	5688.5	5575.3	5623.8
35°	7453.0	7427.6	7108.9	6476.0	6088.0	6016.4	5924.0	5755.4	5598.4	5612.3
37.5°	8520.0	8441.5	8000.3	7081.1	6411.4	6228.9	6092.6	5864.0	5649.2	5607.6
40°	9723.3	9624.0	9139.0	7910.3	6896.4	6603.1	6383.6	6018.7	5732.3	5628.4
42.5°	11150.6	11009.7	10487.7	8887.2	7510.7	7085.8	6755.5	6215.0	5854.8	5695.4
45°	12903.6	12716.5	11977.4	9988.9	8284.4	7718.6	7277.4	6513.0	6041.8	5824.7
47.5°	14675.0	14721.2	13670.3	11249.9	9212.9	8499.2	7931.1	6961.0	6314.4	6032.6
50°	16557.3	16589.6	15354.0	12647.2	10266.0	9381.5	8665.5	7462.2	6693.1	6328.2
52.5°	18026.2	18030.8	16882.9	14109.2	11363.1	10351.5	9457.7	8035.0	7131.9	6720.8
55°	18945.4	18933.8	17954.6	15492.6	12624.1	11370.0	10335.3	8686.3	7667.8	7182.8
57.5°	19612.9	19578.2	18693.6	16682.0	13968.3	12573.3	11328.4	9425.3	8300.6	7732.4
60°	19866.9	19846.1	19194.8	17709.8	15381.7	13903.6	12474.0	10252.2	9018.9	8381.4
62.5°	19963.9	20003.2	19686.8	18705.2	16894.5	15377.1	13732.7	11240.7	9827.2	9115.9
65°	20305.7	20377.3	20312.7	20007.8	18603.6	17102.4	15402.5	12416.2	10709.5	9903.4
67.5°	20982.4	21054.0	21081.7	21566.7	20691.4	19252.6	17485.7	13880.5	11741.8	10721.0
70°	20966.3	20945.5	21435.1	22807.0	23305.9	22229.6	20294.2	15682.0	12972.8	11400.0
72.5°	19084.0	18917.7	20074.8	22793.1	25481.5	25338.3	23723.9	18005.4	14035.2	11483.2
75°	14317.0	13873.6	15917.5	20541.3	25844.1	27102.8	25904.1	19446.6	13783.5	10145.9
77.5°	6122.7	5676.9	8085.8	15206.2	23130.3	25336.0	23904.0	16966.1	11002.8	6709.3
80°	1602.8	1600.5	2443.5	6894.1	15730.5	18709.8	16414.1	10956.6	6286.6	2397.3
82.5°	662.8	646.7	898.4	2681.4	7686.2	10499.3	8568.5	4887.0	2270.3	649.0
85°	247.1	244.8	436.5	926.1	2711.4	4330.4	3134.1	1249.5	565.8	316.4
87.5°	69.3	67.0	94.7	321.0	660.5	1002.4	535.8	205.6	159.4	124.7
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°
4979.4	0°	4979.4	4979.4	4979.4	4979.4	4979.4	4979.4	4979.4	4979.4	4979.4	4979.4
4988.7	2.5°	4995.6	5007.1	5027.9	5044.1	5064.9	5088.0	5120.3	5141.1	5161.9	5175.7
5000.2	5°	5016.4	5041.8	5094.9	5148.0	5210.4	5268.1	5335.1	5383.6	5422.9	5434.4
5041.8	7.5°	5062.6	5104.1	5194.2	5284.3	5383.6	5478.3	5575.3	5658.4	5725.4	5750.8
5115.7	10°	5143.4	5198.8	5325.9	5452.9	5584.5	5730.0	5854.8	5974.9	6069.5	6108.8
5203.5	12.5°	5245.0	5314.3	5480.6	5656.1	5838.6	6039.5	6201.2	6349.0	6466.8	6519.9
5325.9	15°	5376.7	5466.7	5679.2	5914.8	6182.7	6462.2	6667.7	6831.7	6963.3	7028.0
5452.9	17.5°	5519.9	5640.0	5907.9	6263.5	6646.9	7014.2	7254.4	7374.5	7510.7	7573.1
5570.7	20°	5658.4	5806.3	6189.6	6707.0	7217.4	7607.7	7801.7	7834.1	7843.3	7850.2
5681.5	22.5°	5801.6	6000.3	6543.0	7265.9	7813.3	8083.5	8111.2	7972.6	7778.6	7688.6
5790.1	25°	5958.7	6222.0	7004.9	7882.6	8326.0	8358.3	8145.8	7808.6	7441.4	7272.8
5877.9	27.5°	6111.1	6478.3	7559.2	8471.5	8695.5	8411.4	7954.2	7476.1	7032.6	6854.8
5940.2	30°	6263.5	6771.7	8171.3	8986.5	8864.1	8279.8	7651.6	7118.1	6672.3	6485.3
5995.6	32.5°	6418.3	7113.5	8875.7	9358.4	8834.1	8000.3	7275.1	6716.2	6323.6	6127.3
6044.1	35°	6593.8	7533.8	9543.1	9561.6	8633.2	7589.2	6778.6	6235.8	5894.0	5737.0
6101.9	37.5°	6822.5	8067.3	10132.1	9612.4	8282.1	6986.4	6161.9	5667.7	5385.9	5314.3
6187.3	40°	7106.5	8709.4	10582.4	9531.6	7762.5	6254.3	5487.5	5092.6	4933.2	4949.4
6302.8	42.5°	7476.1	9427.7	10898.9	9323.7	7039.6	5499.1	4896.3	4720.8	4797.0	4861.6
6476.0	45°	7956.5	10173.6	11095.2	8970.4	6222.0	4859.3	4547.5	4589.1	4646.9	4653.8
6755.5	47.5°	8570.8	10928.9	11224.5	8436.9	5388.2	4409.0	4325.8	4335.1	4323.5	4275.0
7173.5	50°	9337.6	11663.3	11340.0	7730.1	4679.2	4127.2	4016.3	3984.0	3824.6	3667.6
7730.1	52.5°	10210.6	12337.7	11388.5	6852.5	4127.2	3891.6	3711.5	3508.2	3210.3	3161.8
8429.9	55°	11180.6	12961.3	11263.8	5773.9	3663.0	3589.1	3316.5	3071.7	3039.4	2997.8
9351.4	57.5°	12340.0	13633.4	11009.7	4570.6	3187.2	3235.7	2970.1	2997.8	2940.1	2875.4
10536.2	60°	13608.0	14328.6	10564.0	3473.6	2695.3	2794.6	2880.0	2877.7	2861.6	2808.4
11785.7	62.5°	14748.9	14785.9	9686.3	2660.6	2263.4	2452.8	2686.0	2683.7	2669.9	2639.8
13090.6	65°	15427.9	14716.6	8222.1	2094.8	1907.7	2171.0	2422.7	2441.2	2443.5	2441.2
14072.2	67.5°	15307.8	13905.9	6212.7	1667.5	1614.4	1884.6	2161.8	2187.2	2205.6	2210.3
14196.9	70°	13949.8	12125.2	4051.0	1330.3	1353.4	1632.9	1914.6	1940.0	1956.2	1974.7
12319.2	72.5°	10873.4	8914.9	2318.8	1076.3	1124.8	1415.8	1669.8	1699.8	1709.1	1743.7
8573.1	75°	6626.2	5242.7	1251.8	847.6	923.8	1210.2	1427.3	1462.0	1478.1	1519.7
4210.3	77.5°	3150.3	2270.3	713.7	660.5	743.7	988.5	1205.6	1244.9	1201.0	1224.1
1161.7	80°	1064.7	843.0	450.4	503.5	568.2	771.4	965.4	1004.7	912.3	907.7
385.7	82.5°	371.8	341.8	286.4	334.9	367.2	552.0	729.8	780.6	679.0	676.7
173.2	85°	145.5	138.6	159.4	182.5	219.4	339.5	480.4	505.8	418.0	337.2
50.8	87.5°	30.0	32.3	39.3	41.6	67.0	117.8	173.2	212.5	168.6	143.2
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°
4979.4
5166.5
5439.0
5753.1
6111.1
6519.9
7023.4
7570.8
7868.7
7714.0
7298.2
6875.6
6506.1
6152.7
5771.6
5365.1
5004.8
4921.7
4700.0
4312.0
3688.4
3178.0
3004.7
2863.9
2790.0
2628.3
2441.2
2214.9
1983.9
1757.6
1524.3
1205.6
898.4
644.4
332.6
131.6
0.0

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