

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: P851393

Luminaire Tested: **GLAN-SB9B-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851393  
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-SB9B-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42096 lumens  
Efficiency: N/A  
Efficacy: 127.8 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

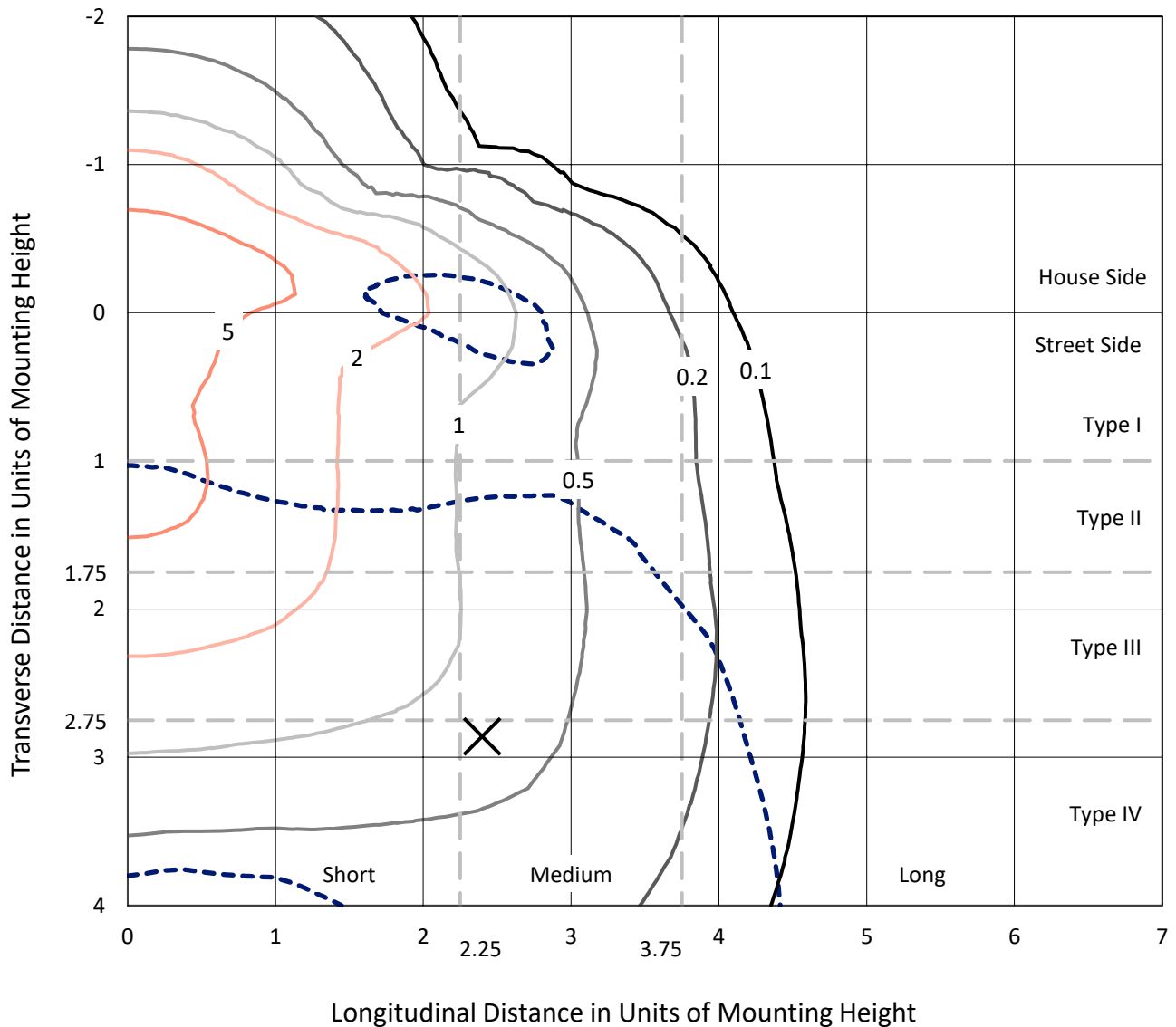
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

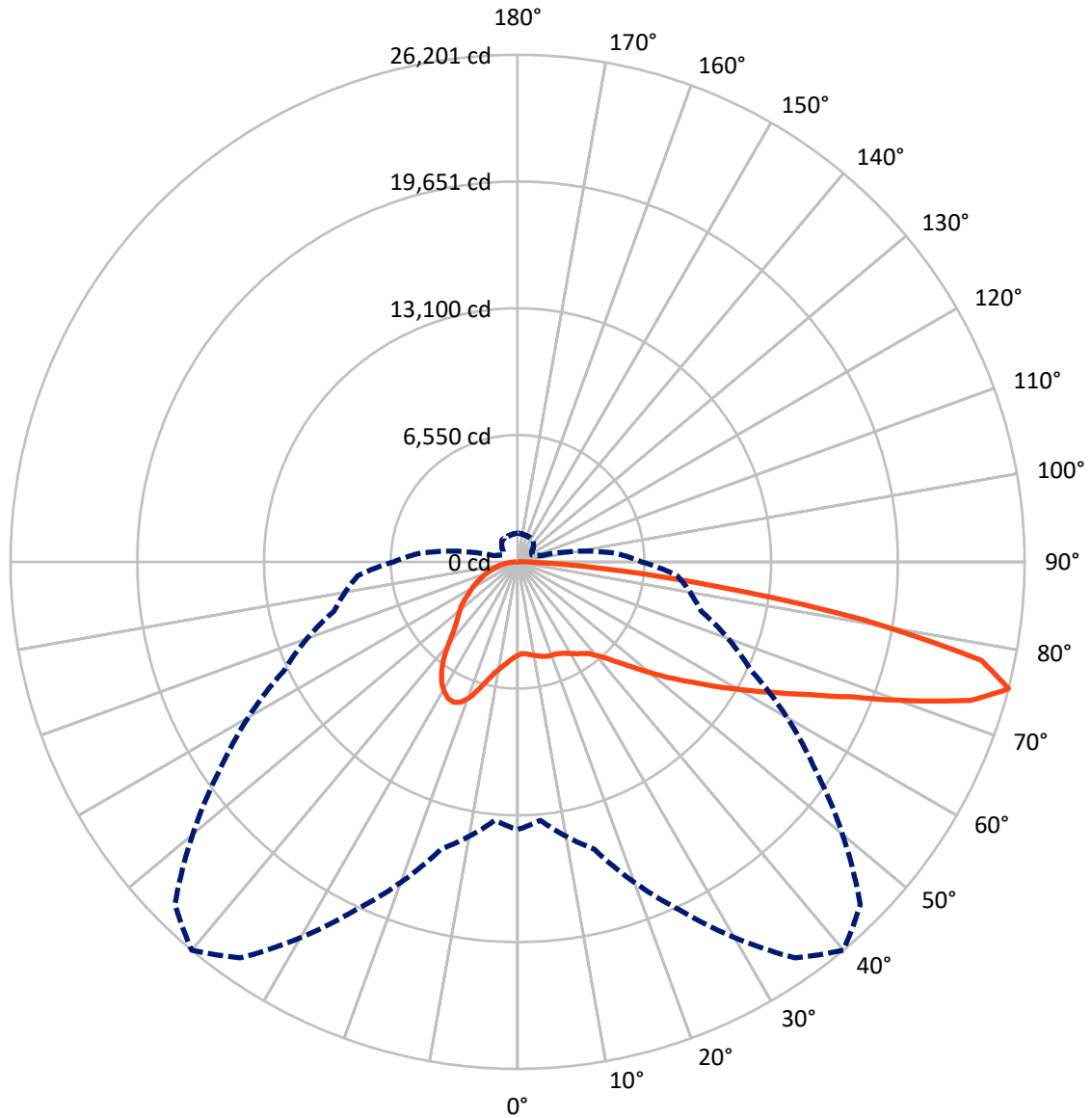
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	13042.8	0.0	13042.8
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	29053.2	0.0	29053.2
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	42096.0	0.0	42096.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	480.5	1.1
10°-20°	1613.3	3.8
20°-30°	2945.7	7.0
30°-40°	4177.8	9.9
40°-50°	5641.3	13.4
50°-60°	7589.0	18.0
60°-70°	9632.2	22.9
70°-80°	8741.9	20.8
80°-90°	1274.3	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°	42096.0	100.0
0°-180°	42096.0	100.0

**Coefficient of Utilization**

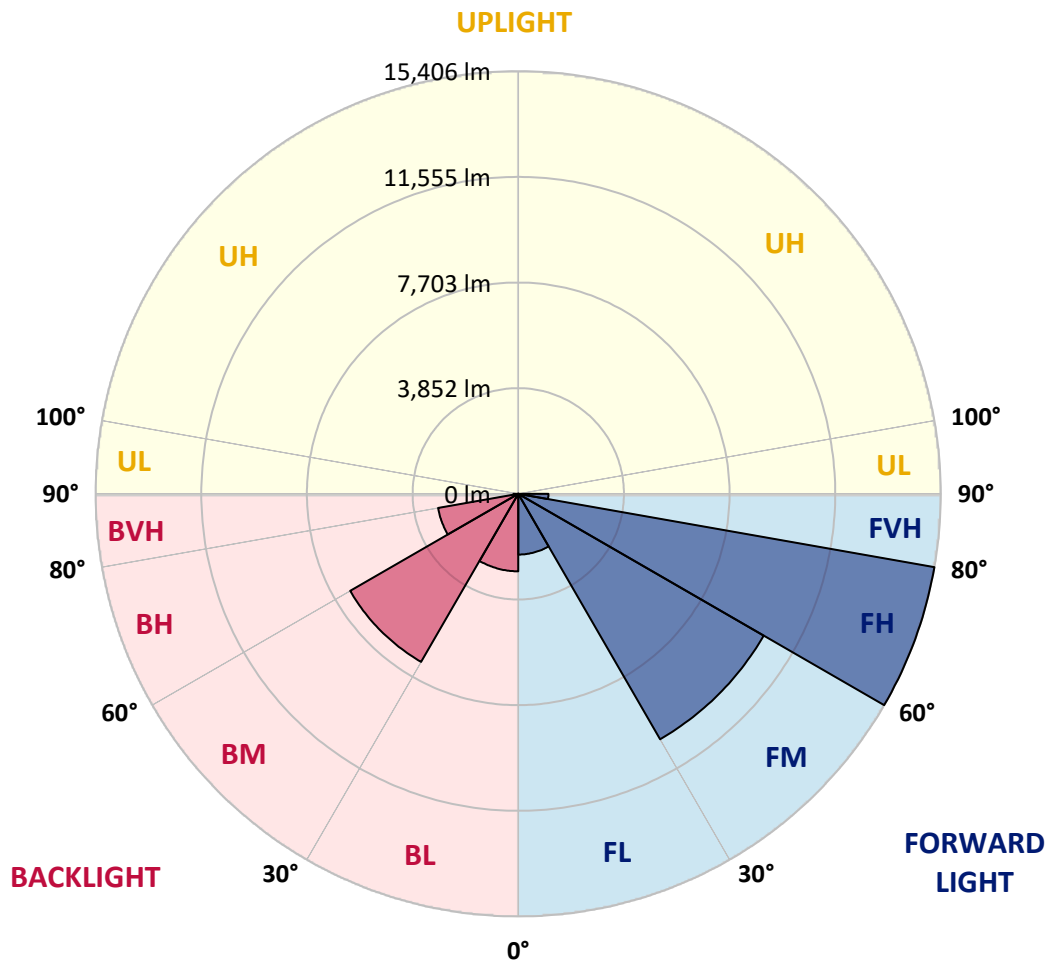


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2214.3	5.3			
FM (30°-60°)	10333.6	24.5			
FH (60°-80°)	15406.5	36.6			G5
FVH (80°-90°)	1098.8	2.6			G5
BL (0°-30°)	2825.2	6.7	B4/5000		
BM (30°-60°)	7074.5	16.8	B4/8500		
BH (60°-80°)	2967.6	7.0	B4/5000		G4/5000
BVH (80°-90°)	175.4	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°	4813.7	4813.7	4813.7	4813.7	4813.7	4813.7	4813.7	4813.7	4813.7	4813.7
2.5°	4740.1	4766.8	4760.1	4751.2	4751.2	4753.5	4751.2	4766.8	4782.5	4798.1
5°	4789.2	4816.0	4802.6	4791.4	4782.5	4780.2	4773.5	4771.3	4780.2	4800.3
7.5°	4885.2	4912.0	4891.9	4871.8	4853.9	4845.0	4836.1	4822.7	4816.0	4827.1
10°	4992.4	5019.1	4994.6	4958.9	4929.8	4918.7	4909.7	4896.3	4887.4	4894.1
12.5°	5099.5	5126.3	5092.8	5043.7	5005.7	4999.0	4987.9	4983.4	4981.2	4979.0
15°	5200.0	5222.3	5179.9	5121.8	5081.7	5070.5	5059.3	5066.0	5077.2	5090.6
17.5°	5278.1	5300.5	5237.9	5162.0	5124.1	5119.6	5112.9	5135.2	5166.5	5200.0
20°	5349.6	5371.9	5291.5	5188.8	5144.2	5144.2	5146.4	5193.3	5237.9	5287.1
22.5°	5450.1	5467.9	5369.7	5229.0	5164.3	5168.7	5186.6	5233.5	5289.3	5356.3
25°	5599.6	5613.0	5492.5	5304.9	5231.3	5244.6	5260.3	5282.6	5336.2	5414.3
27.5°	5840.8	5851.9	5693.4	5438.9	5327.3	5349.6	5371.9	5356.3	5380.8	5447.8
30°	6180.2	6186.9	5985.9	5648.8	5490.2	5501.4	5505.9	5441.1	5394.2	5447.8
32.5°	6582.0	6579.8	6340.9	5903.3	5675.6	5664.4	5626.4	5499.2	5389.8	5436.7
35°	7205.0	7180.4	6872.3	6260.5	5885.4	5816.2	5726.9	5563.9	5412.1	5425.5
37.5°	8236.5	8160.6	7734.1	6845.5	6198.0	6021.6	5889.9	5668.9	5461.2	5421.0
40°	9399.7	9303.7	8834.9	7647.0	6666.9	6383.3	6171.2	5818.5	5541.6	5441.1
42.5°	10779.5	10643.4	10138.8	8591.5	7260.8	6850.0	6530.7	6008.2	5659.9	5505.9
45°	12474.2	12293.3	11578.9	9656.5	8008.7	7461.7	7035.3	6296.3	5840.8	5630.9
47.5°	14186.7	14231.3	13215.4	10875.6	8906.3	8216.4	7667.1	6729.4	6104.2	5831.9
50°	16006.3	16037.6	14843.1	12226.3	9924.4	9069.3	8377.1	7213.9	6470.4	6117.6
52.5°	17426.3	17430.8	16321.1	13639.7	10985.0	10007.0	9143.0	7767.6	6894.6	6497.2
55°	18315.0	18303.8	17357.1	14977.1	12204.0	10991.7	9991.4	8397.2	7412.6	6943.7
57.5°	18960.2	18926.7	18071.6	16126.9	13503.5	12154.9	10951.5	9111.7	8024.4	7475.1
60°	19205.8	19185.7	18556.1	17120.5	14869.9	13440.9	12058.9	9911.0	8718.8	8102.5
62.5°	19299.6	19337.5	19031.7	18082.8	16332.3	14865.4	13275.7	10866.6	9500.2	8812.5
65°	19630.0	19699.2	19636.7	19342.0	17984.5	16533.3	14890.0	12003.1	10353.1	9573.9
67.5°	20284.2	20353.4	20380.2	20849.1	20002.9	18611.9	16903.9	13418.6	11351.1	10364.3
70°	20268.6	20248.5	20721.8	22048.1	22530.3	21489.9	19618.9	15160.1	12541.2	11020.7
72.5°	18448.9	18288.2	19406.8	22034.7	24633.5	24495.1	22934.4	17406.2	13568.2	11101.1
75°	13840.6	13411.9	15387.9	19857.8	24984.1	26200.9	25042.1	18799.5	13324.8	9808.3
77.5°	5918.9	5488.0	7816.7	14700.2	22360.6	24492.9	23108.6	16401.5	10636.7	6486.0
80°	1549.5	1547.3	2362.2	6664.7	15207.0	18087.2	15867.9	10592.0	6077.5	2317.6
82.5°	640.8	625.2	868.5	2592.2	7430.5	10149.9	8283.4	4724.4	2194.8	627.4
85°	238.9	236.7	422.0	895.3	2621.2	4186.3	3029.8	1207.9	547.0	305.9
87.5°	67.0	64.7	91.5	310.3	638.6	969.0	518.0	198.7	154.1	120.6
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°
4813.7	0°	4813.7	4813.7	4813.7	4813.7	4813.7	4813.7	4813.7	4813.7	4813.7	4813.7
4822.7	2.5°	4829.4	4840.5	4860.6	4876.2	4896.3	4918.7	4949.9	4970.0	4990.1	5003.5
4833.8	5°	4849.5	4874.0	4925.4	4976.7	5037.0	5092.8	5157.6	5204.5	5242.4	5253.6
4874.0	7.5°	4894.1	4934.3	5021.4	5108.5	5204.5	5296.0	5389.8	5470.2	5534.9	5559.5
4945.5	10°	4972.3	5025.8	5148.6	5271.4	5398.7	5539.4	5659.9	5776.0	5867.6	5905.5
5030.3	12.5°	5070.5	5137.5	5298.2	5467.9	5644.3	5838.5	5994.8	6137.7	6251.6	6303.0
5148.6	15°	5197.8	5284.8	5490.2	5718.0	5977.0	6247.1	6445.8	6604.4	6731.6	6794.2
5271.4	17.5°	5336.2	5452.3	5711.3	6055.1	6425.8	6780.8	7013.0	7129.1	7260.8	7321.1
5385.3	20°	5470.2	5613.0	5983.7	6483.8	6977.2	7354.6	7542.1	7573.4	7582.3	7589.0
5492.5	22.5°	5608.6	5800.6	6325.3	7024.1	7553.3	7814.5	7841.3	7707.3	7519.8	7432.7
5597.4	25°	5760.4	6014.9	6771.8	7620.3	8048.9	8080.2	7874.8	7548.8	7193.8	7030.8
5682.3	27.5°	5907.8	6262.8	7307.7	8189.6	8406.2	8131.5	7689.5	7227.3	6798.6	6626.7
5742.5	30°	6055.1	6546.3	7899.3	8687.5	8569.2	8004.3	7397.0	6881.2	6450.3	6269.5
5796.1	32.5°	6204.7	6876.8	8580.3	9047.0	8540.1	7734.1	7033.1	6492.7	6113.2	5923.4
5843.0	35°	6374.4	7283.1	9225.6	9243.4	8345.9	7336.7	6553.0	6028.3	5697.9	5546.1
5898.8	37.5°	6595.4	7798.9	9794.9	9292.6	8006.5	6754.0	5956.9	5479.1	5206.7	5137.5
5981.4	40°	6870.1	8419.6	10230.3	9214.4	7504.2	6046.2	5304.9	4923.1	4769.1	4784.7
6093.1	42.5°	7227.3	9113.9	10536.2	9013.5	6805.3	5316.1	4733.4	4563.7	4637.3	4699.9
6260.5	45°	7691.7	9835.1	10726.0	8671.9	6014.9	4697.6	4396.2	4436.4	4492.2	4498.9
6530.7	47.5°	8285.6	10565.2	10851.0	8156.1	5208.9	4262.3	4181.9	4190.8	4179.6	4132.8
6934.8	50°	9026.9	11275.2	10962.6	7472.9	4523.5	3989.9	3882.7	3851.4	3697.4	3545.6
7472.9	52.5°	9870.8	11927.2	11009.5	6624.5	3989.9	3762.1	3588.0	3391.5	3103.5	3056.6
8149.4	55°	10808.6	12530.0	10889.0	5581.8	3541.1	3469.6	3206.2	2969.5	2938.3	2898.1
9040.3	57.5°	11929.4	13179.7	10643.4	4418.5	3081.1	3128.0	2871.3	2898.1	2842.2	2779.7
10185.6	60°	13155.2	13851.8	10212.4	3358.0	2605.6	2701.6	2784.2	2782.0	2766.3	2715.0
11393.5	62.5°	14258.1	14293.8	9364.0	2572.1	2188.1	2371.1	2596.6	2594.4	2581.0	2552.0
12655.0	65°	14914.5	14226.9	7948.5	2025.1	1844.2	2098.8	2342.1	2360.0	2362.2	2360.0
13603.9	67.5°	14798.4	13443.2	6006.0	1612.0	1560.7	1821.9	2089.8	2114.4	2132.2	2136.7
13724.5	70°	13485.6	11721.8	3916.2	1286.0	1308.4	1578.5	1850.9	1875.5	1891.1	1909.0
11909.3	72.5°	10511.6	8618.3	2241.6	1040.4	1087.3	1368.7	1614.3	1643.3	1652.2	1685.7
8287.8	75°	6405.7	5068.3	1210.1	819.4	893.1	1169.9	1379.8	1413.3	1428.9	1469.1
4070.2	77.5°	3045.4	2194.8	689.9	638.6	718.9	955.6	1165.5	1203.4	1161.0	1183.3
1123.1	80°	1029.3	814.9	435.4	486.7	549.2	745.7	933.3	971.2	881.9	877.5
372.9	82.5°	359.5	330.4	276.9	323.7	355.0	533.6	705.5	754.7	656.4	654.2
167.5	85°	140.7	134.0	154.1	176.4	212.1	328.2	464.4	489.0	404.1	326.0
49.1	87.5°	29.0	31.3	38.0	40.2	64.7	113.9	167.5	205.4	163.0	138.4
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°
4813.7
4994.6
5258.0
5561.7
5907.8
6303.0
6789.7
7318.8
7606.9
7457.3
7055.4
6646.8
6289.6
5948.0
5579.6
5186.6
4838.3
4757.9
4543.6
4168.5
3565.6
3072.2
2904.8
2768.6
2697.1
2540.8
2360.0
2141.2
1917.9
1699.1
1473.6
1165.5
868.5
622.9
321.5
127.3
0.0

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