

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: P851543

Luminaire Tested: **GLAN-SB9C-827-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851543  
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-827-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 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: 53912 lumens  
Efficiency: N/A  
Efficacy: 119.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5

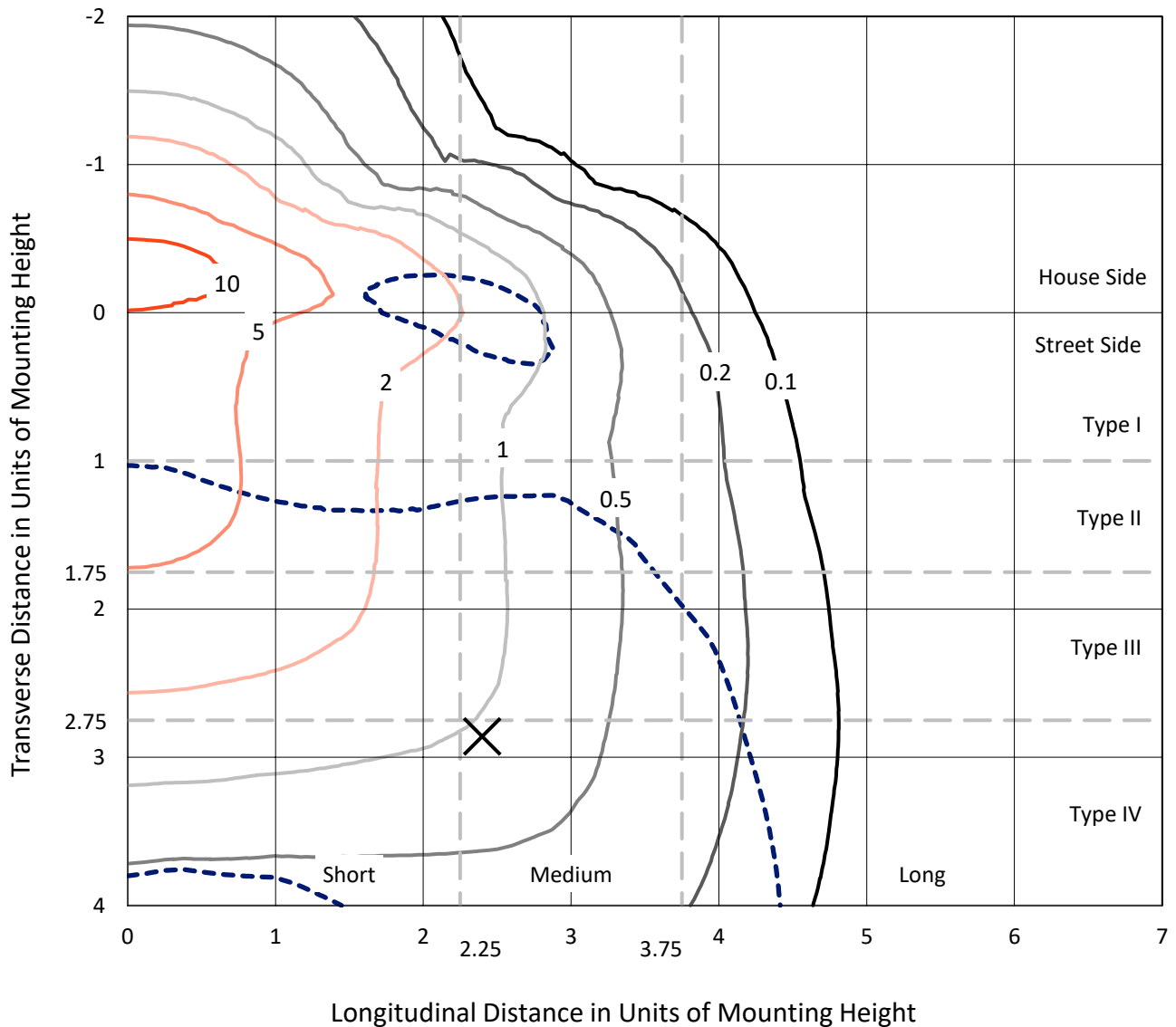
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

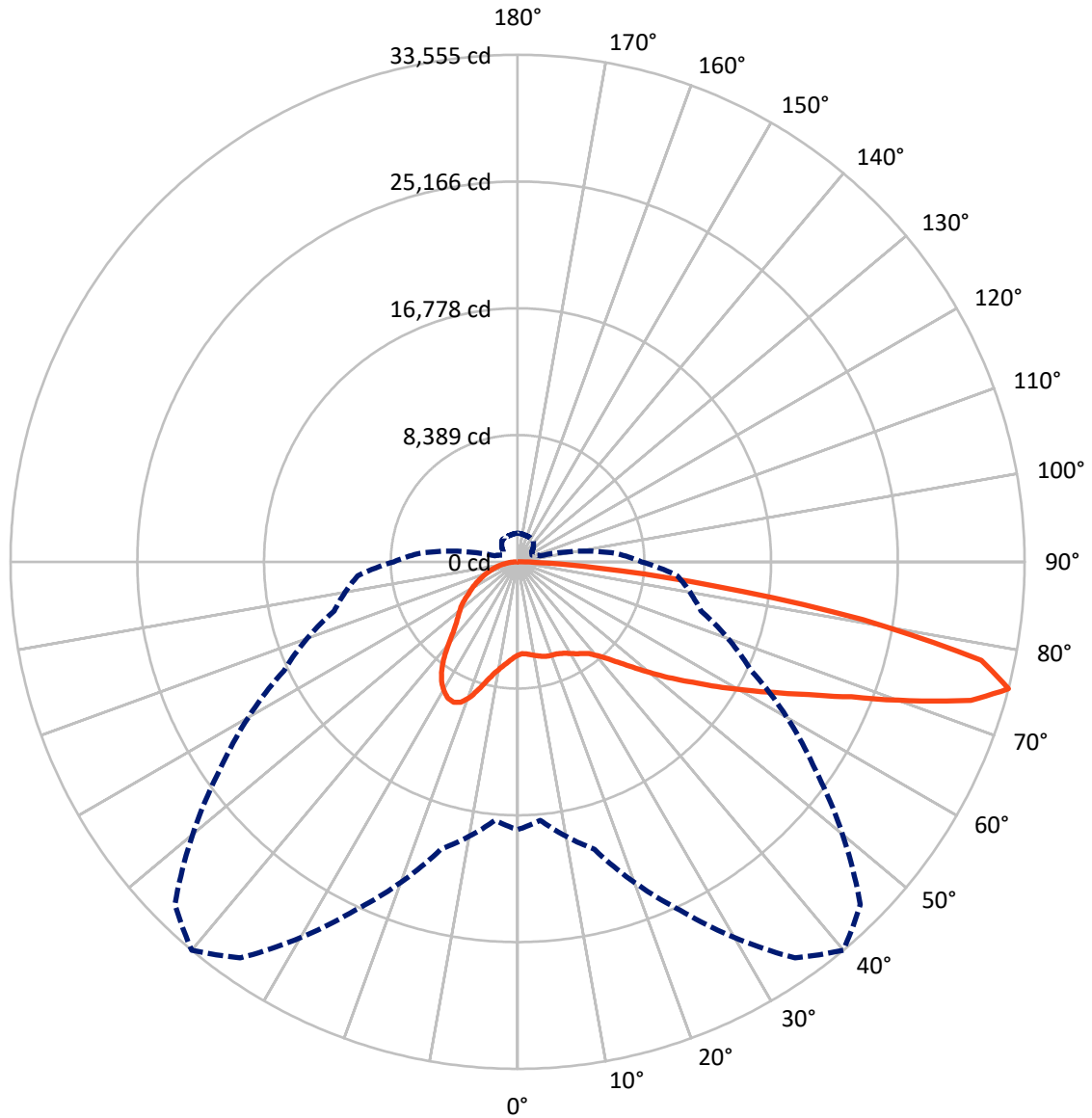
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 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	16703.7	0.0	16703.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	37208.3	0.0	37208.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	53912.0	0.0	53912.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	615.4	1.1
10°-20°	2066.1	3.8
20°-30°	3772.5	7.0
30°-40°	5350.5	9.9
40°-50°	7224.8	13.4
50°-60°	9719.2	18.0
60°-70°	12335.9	22.9
70°-80°	11195.6	20.8
80°-90°	1632.0	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°	53912.0	100.0
0°-180°	53912.0	100.0

**Coefficient of Utilization**

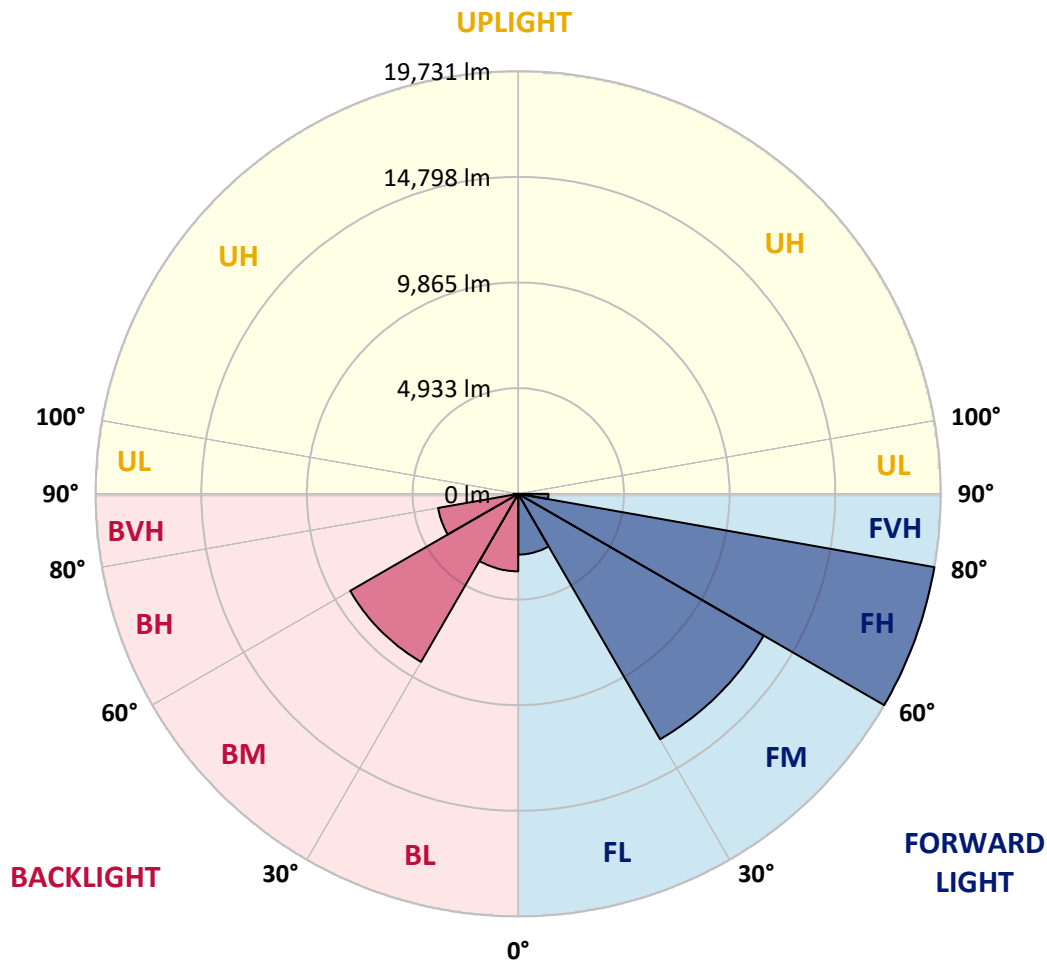


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2835.8	5.3			
FM (30°-60°)	13234.2	24.5			
FH (60°-80°)	19731.0	36.6			G5
FVH (80°-90°)	1407.3	2.6			G5
BL (0°-30°)	3618.2	6.7	B4/5000		
BM (30°-60°)	9060.3	16.8	B5		
BH (60°-80°)	3800.6	7.0	B4/5000		G4/5000
BVH (80°-90°)	224.7	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	6164.9	6164.9	6164.9	6164.9	6164.9	6164.9	6164.9	6164.9	6164.9	6164.9
2.5°	6070.5	6104.9	6096.3	6084.8	6084.8	6087.7	6084.8	6104.9	6124.9	6144.9
5°	6133.5	6167.8	6150.6	6136.3	6124.9	6122.0	6113.4	6110.6	6122.0	6147.8
7.5°	6256.4	6290.7	6265.0	6239.3	6216.4	6204.9	6193.5	6176.3	6167.8	6182.1
10°	6393.7	6428.0	6396.5	6350.8	6313.6	6299.3	6287.9	6270.7	6259.3	6267.8
12.5°	6530.9	6565.2	6522.3	6459.4	6410.8	6402.2	6387.9	6382.2	6379.4	6376.5
15°	6659.6	6688.2	6633.9	6559.5	6508.0	6493.7	6479.4	6488.0	6502.3	6519.5
17.5°	6759.7	6788.3	6708.2	6611.0	6562.4	6556.6	6548.1	6576.7	6616.7	6659.6
20°	6851.2	6879.8	6776.8	6645.3	6588.1	6588.1	6591.0	6651.0	6708.2	6771.1
22.5°	6979.8	7002.7	6876.9	6696.8	6613.8	6619.6	6642.4	6702.5	6774.0	6859.7
25°	7171.4	7188.6	7034.2	6794.0	6699.6	6716.8	6736.8	6765.4	6834.0	6934.1
27.5°	7480.2	7494.5	7291.5	6965.5	6822.6	6851.2	6879.8	6859.7	6891.2	6977.0
30°	7914.9	7923.5	7666.1	7234.3	7031.3	7045.6	7051.3	6968.4	6908.4	6977.0
32.5°	8429.6	8426.7	8120.8	7560.3	7268.6	7254.3	7205.7	7042.8	6902.6	6962.7
35°	9227.3	9195.9	8801.3	8017.8	7537.4	7448.8	7334.4	7125.7	6931.2	6948.4
37.5°	10548.4	10451.2	9905.0	8767.0	7937.7	7711.9	7543.1	7260.1	6994.1	6942.7
40°	12038.2	11915.2	11314.7	9793.5	8538.2	8175.1	7903.4	7451.6	7097.1	6968.4
42.5°	13805.3	13630.9	12984.6	11003.0	9298.8	8772.7	8363.8	7694.7	7248.6	7051.3
45°	15975.6	15744.0	14829.0	12367.0	10256.7	9556.2	9010.0	8063.6	7480.2	7211.5
47.5°	18168.8	18225.9	16924.9	13928.2	11406.2	10522.7	9819.2	8618.3	7817.7	7468.8
50°	20499.2	20539.2	19009.4	15658.2	12710.1	11615.0	10728.5	9238.8	8286.6	7834.8
52.5°	22317.8	22323.5	20902.4	17468.2	14068.3	12815.9	11709.3	9947.9	8829.9	8320.9
55°	23455.8	23441.5	22229.1	19181.0	15629.6	14076.9	12795.9	10754.3	9493.3	8892.8
57.5°	24282.2	24239.3	23144.1	20653.6	17293.8	15566.7	14025.5	11669.3	10276.8	9573.3
60°	24596.7	24571.0	23764.6	21926.0	19043.7	17213.7	15443.7	12693.0	11166.0	10376.8
62.5°	24716.8	24765.4	24373.7	23158.4	20916.7	19038.0	17002.1	13916.8	12166.8	11286.1
65°	25140.0	25228.7	25148.6	24771.2	23032.6	21174.0	19069.5	15372.2	13259.1	12261.2
67.5°	25977.8	26066.5	26100.8	26701.3	25617.5	23836.1	21648.7	17185.1	14537.3	13273.4
70°	25957.8	25932.1	26538.3	28236.8	28854.4	27521.9	25125.7	19415.5	16061.4	14114.1
72.5°	23627.4	23421.5	24854.1	28219.6	31548.0	31370.7	29372.0	22292.0	17376.7	14217.0
75°	17725.5	17176.5	19707.1	25431.7	31996.9	33555.3	32071.3	24076.3	17065.0	12561.4
77.5°	7580.3	7028.5	10010.8	18826.4	28637.1	31367.8	29595.0	21005.3	13622.3	8306.6
80°	1984.4	1981.6	3025.3	8535.4	19475.5	23164.2	20321.9	13565.1	7783.3	2968.1
82.5°	820.7	800.6	1112.3	3319.8	9516.1	12998.9	10608.4	6050.5	2810.8	803.5
85°	306.0	303.1	540.4	1146.6	3357.0	5361.4	3880.2	1546.9	700.6	391.7
87.5°	85.8	82.9	117.2	397.5	817.8	1241.0	663.4	254.5	197.3	154.4
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°
6164.9	0°	6164.9	6164.9	6164.9	6164.9	6164.9	6164.9	6164.9	6164.9	6164.9	6164.9
6176.3	2.5°	6184.9	6199.2	6225.0	6245.0	6270.7	6299.3	6339.3	6365.1	6390.8	6408.0
6190.6	5°	6210.7	6242.1	6307.9	6373.6	6450.9	6522.3	6605.3	6665.3	6713.9	6728.2
6242.1	7.5°	6267.8	6319.3	6430.8	6542.4	6665.3	6782.5	6902.6	7005.6	7088.5	7120.0
6333.6	10°	6367.9	6436.6	6593.8	6751.1	6914.1	7094.2	7248.6	7397.3	7514.6	7563.2
6442.3	12.5°	6493.7	6579.5	6785.4	7002.7	7228.6	7477.4	7677.5	7860.5	8006.4	8072.1
6593.8	15°	6656.7	6768.2	7031.3	7323.0	7654.7	8000.7	8255.1	8458.2	8621.2	8701.2
6751.1	17.5°	6834.0	6982.7	7314.4	7754.7	8229.4	8684.1	8981.4	9130.1	9298.8	9376.0
6896.9	20°	7005.6	7188.6	7663.2	8303.8	8935.7	9418.9	9659.1	9699.2	9710.6	9719.2
7034.2	22.5°	7182.9	7428.8	8100.7	8995.7	9673.4	10008.0	10042.3	9870.7	9630.5	9519.0
7168.6	25°	7377.3	7703.3	8672.6	9759.2	10308.2	10348.2	10085.2	9667.7	9213.1	9004.3
7277.2	27.5°	7566.0	8020.7	9358.9	10488.4	10765.7	10414.0	9847.8	9255.9	8706.9	8486.8
7354.4	30°	7754.7	8383.8	10116.6	11126.0	10974.5	10251.0	9473.3	8812.7	8260.9	8029.3
7423.1	32.5°	7946.3	8807.0	10988.8	11586.4	10937.3	9905.0	9007.2	8315.2	7829.1	7586.0
7483.1	35°	8163.6	9327.4	11815.1	11838.0	10688.5	9396.1	8392.4	7720.4	7297.2	7102.8
7554.6	37.5°	8446.7	9988.0	12544.3	11900.9	10253.9	8649.7	7628.9	7017.0	6668.2	6579.5
7660.4	40°	8798.4	10782.9	13101.9	11800.8	9610.5	7743.3	6794.0	6305.0	6107.7	6127.7
7803.4	42.5°	9255.9	11672.2	13493.6	11543.5	8715.5	6808.3	6062.0	5844.7	5939.0	6019.1
8017.8	45°	9850.7	12595.7	13736.7	11106.0	7703.3	6016.2	5630.2	5681.7	5753.2	5761.7
8363.8	47.5°	10611.3	13530.8	13896.8	10445.5	6671.0	5458.6	5355.7	5367.1	5352.8	5292.8
8881.4	50°	11560.6	14440.1	14039.8	9570.5	5793.2	5109.8	4972.5	4932.5	4735.2	4540.8
9570.5	52.5°	12641.5	15275.0	14099.8	8483.9	5109.8	4818.1	4595.1	4343.5	3974.6	3914.5
10436.9	55°	13842.5	16047.1	13945.4	7148.5	4535.0	4443.5	4106.1	3803.0	3763.0	3711.5
11577.8	57.5°	15277.9	16879.2	13630.9	5658.8	3946.0	4006.0	3677.2	3711.5	3640.0	3560.0
13044.7	60°	16847.7	17739.8	13079.0	4300.6	3336.9	3459.9	3565.7	3562.8	3542.8	3477.1
14591.6	62.5°	18260.3	18306.0	11992.4	3294.1	2802.2	3036.7	3325.5	3322.6	3305.5	3268.3
16207.2	65°	19100.9	18220.2	10179.5	2593.5	2361.9	2687.9	2999.5	3022.4	3025.3	3022.4
17422.4	67.5°	18952.2	17216.6	7691.8	2064.5	1998.7	2333.3	2676.4	2707.9	2730.7	2736.5
17576.9	70°	17270.9	15012.0	5015.4	1647.0	1675.6	2021.6	2370.5	2401.9	2421.9	2444.8
15252.1	72.5°	13462.1	11037.4	2870.9	1332.5	1392.5	1752.8	2067.4	2104.5	2116.0	2158.9
10614.2	75°	8203.7	6490.9	1549.8	1049.4	1143.8	1498.3	1767.1	1810.0	1830.0	1881.5
5212.7	77.5°	3900.2	2810.8	883.6	817.8	920.7	1223.8	1492.6	1541.2	1486.9	1515.5
1438.3	80°	1318.2	1043.7	557.6	623.4	703.4	955.0	1195.2	1243.8	1129.5	1123.8
477.5	82.5°	460.4	423.2	354.6	414.6	454.6	683.4	903.6	966.5	840.7	837.8
214.5	85°	180.1	171.6	197.3	225.9	271.6	420.3	594.8	626.2	517.6	417.5
62.9	87.5°	37.2	40.0	48.6	51.5	82.9	145.8	214.5	263.1	208.7	177.3
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°
6164.9
6396.5
6733.9
7122.8
7566.0
8072.1
8695.5
9373.2
9742.0
9550.5
9035.8
8512.5
8055.0
7617.5
7145.7
6642.4
6196.4
6093.4
5818.9
5338.5
4566.5
3934.6
3720.1
3545.7
3454.2
3254.0
3022.4
2742.2
2456.2
2176.0
1887.2
1492.6
1112.3
797.8
411.8
163.0
0.0

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