

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: P851243

Luminaire Tested: **GLAN-SB9A-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851243
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-SB9A-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34776 lumens
Efficiency: N/A
Efficacy: 136.1 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

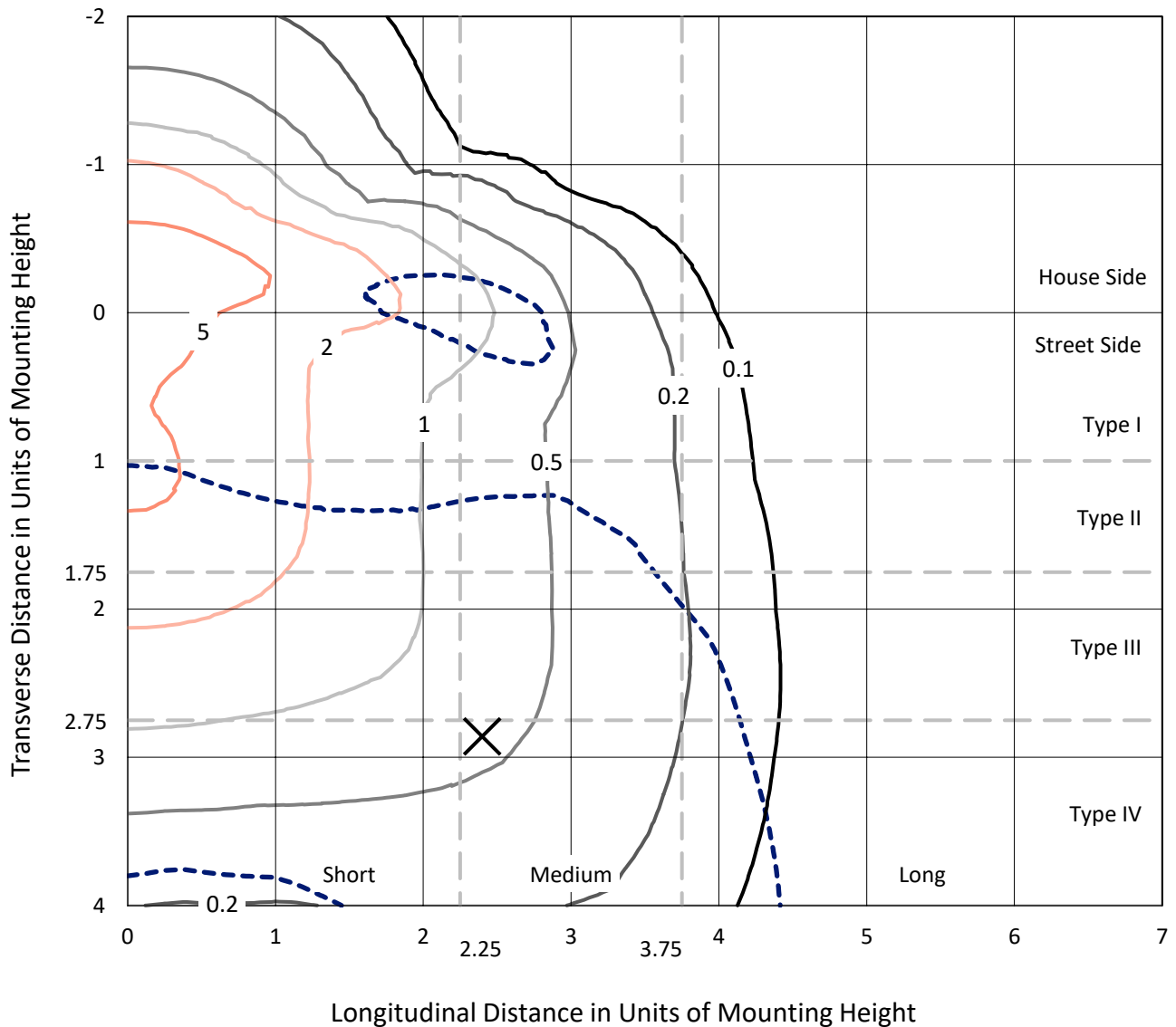
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

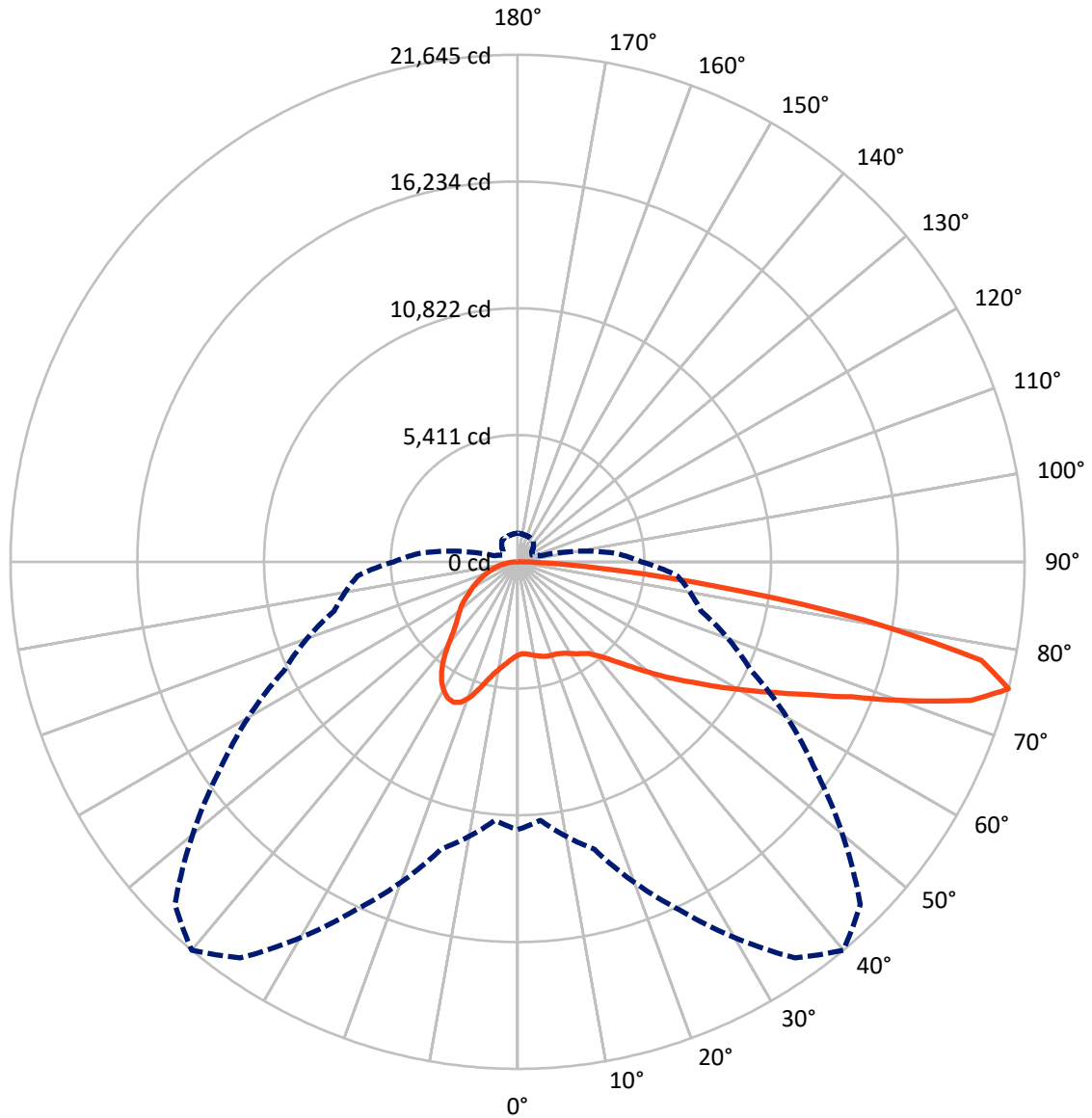
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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
House Side	Lumens	10774.8	0.0	10774.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	24001.2	0.0	24001.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	34776.0	0.0	34776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.0	1.1
10°-20°	1332.7	3.8
20°-30°	2433.5	7.0
30°-40°	3451.3	9.9
40°-50°	4660.3	13.4
50°-60°	6269.4	18.0
60°-70°	7957.3	22.9
70°-80°	7221.8	20.8
80°-90°	1052.7	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°	34776.0	100.0
0°-180°	34776.0	100.0

Coefficient of Utilization

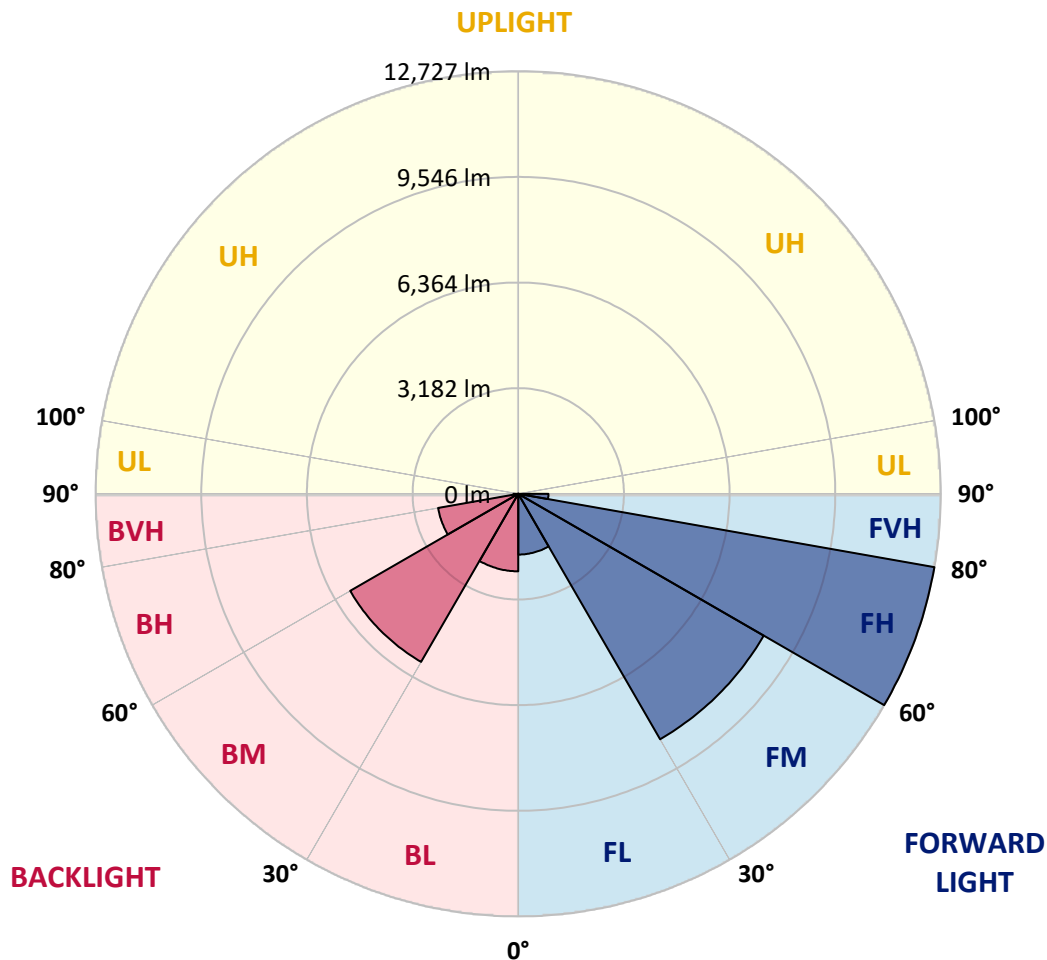


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1829.3	5.3			
FM (30°-60°)	8536.7	24.5			
FH (60°-80°)	12727.5	36.6			G5
FVH (80°-90°)	907.8	2.6			G5
BL (0°-30°)	2333.9	6.7	B3/2500		
BM (30°-60°)	5844.3	16.8	B4/8500		
BH (60°-80°)	2451.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	144.9	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°	3976.7	3976.7	3976.7	3976.7	3976.7	3976.7	3976.7	3976.7	3976.7	3976.7
2.5°	3915.8	3937.9	3932.4	3925.0	3925.0	3926.9	3925.0	3937.9	3950.9	3963.8
5°	3956.4	3978.5	3967.5	3958.2	3950.9	3949.0	3943.5	3941.6	3949.0	3965.6
7.5°	4035.7	4057.8	4041.2	4024.6	4009.9	4002.5	3995.1	3984.1	3978.5	3987.7
10°	4124.2	4146.4	4126.1	4096.6	4072.6	4063.4	4056.0	4044.9	4037.5	4043.1
12.5°	4212.8	4234.9	4207.2	4166.7	4135.3	4129.8	4120.6	4116.9	4115.0	4113.2
15°	4295.8	4314.2	4279.2	4231.2	4198.0	4188.8	4179.6	4185.1	4194.3	4205.4
17.5°	4360.3	4378.8	4327.1	4264.4	4233.1	4229.4	4223.8	4242.3	4268.1	4295.8
20°	4419.4	4437.8	4371.4	4286.6	4249.7	4249.7	4251.5	4290.2	4327.1	4367.7
22.5°	4502.4	4517.1	4436.0	4319.8	4266.3	4270.0	4284.7	4323.4	4369.6	4424.9
25°	4625.9	4637.0	4537.4	4382.5	4321.6	4332.7	4345.6	4364.0	4408.3	4472.8
27.5°	4825.1	4834.4	4703.4	4493.1	4400.9	4419.4	4437.8	4424.9	4445.2	4500.5
30°	5105.5	5111.0	4945.0	4666.5	4535.6	4544.8	4548.5	4495.0	4456.2	4500.5
32.5°	5437.5	5435.7	5238.3	4876.8	4688.6	4679.4	4648.1	4542.9	4452.6	4491.3
35°	5952.1	5931.8	5677.3	5171.9	4862.0	4804.8	4731.1	4596.4	4471.0	4482.1
37.5°	6804.3	6741.5	6389.3	5655.2	5120.3	4974.5	4865.7	4683.1	4511.6	4478.4
40°	7765.2	7685.9	7298.6	6317.3	5507.6	5273.3	5098.1	4806.7	4578.0	4495.0
42.5°	8905.1	8792.6	8375.7	7097.5	5998.2	5658.8	5395.1	4963.5	4675.7	4548.5
45°	10305.1	10155.7	9565.4	7977.3	6616.1	6164.2	5811.9	5201.4	4825.1	4651.8
47.5°	11719.8	11756.7	10917.4	8984.4	7357.6	6787.7	6333.9	5559.2	5042.8	4817.8
50°	13223.0	13248.8	12262.1	10100.3	8198.7	7492.2	6920.5	5959.5	5345.3	5053.9
52.5°	14396.1	14399.8	13483.1	11267.9	9074.8	8266.9	7553.1	6416.9	5695.7	5367.4
55°	15130.2	15121.0	14338.9	12372.7	10081.9	9080.3	8254.0	6937.1	6123.6	5736.3
57.5°	15663.3	15635.6	14929.2	13322.6	11155.4	10041.3	9047.1	7527.3	6629.0	6175.3
60°	15866.1	15849.5	15329.4	14143.4	12284.2	11103.7	9962.0	8187.6	7202.7	6693.6
62.5°	15943.6	15975.0	15722.3	14938.4	13492.3	12280.5	10967.2	8977.0	7848.2	7280.1
65°	16216.6	16273.8	16222.1	15978.7	14857.2	13658.3	12300.8	9915.9	8552.8	7909.1
67.5°	16757.0	16814.2	16836.3	17223.7	16524.6	15375.5	13964.5	11085.3	9377.3	8562.0
70°	16744.1	16727.5	17118.5	18214.2	18612.6	17753.0	16207.4	12524.0	10360.4	9104.3
72.5°	15240.9	15108.1	16032.2	18203.1	20350.1	20235.7	18946.4	14379.5	11208.9	9170.7
75°	11433.9	11079.7	12712.1	16404.7	20639.6	21644.9	20687.6	15530.5	11007.8	8102.8
77.5°	4889.7	4533.7	6457.5	12144.0	18472.4	20233.9	19090.3	13549.5	8787.1	5358.2
80°	1280.1	1278.2	1951.5	5505.7	12562.7	14942.1	13108.7	8750.2	5020.7	1914.6
82.5°	529.4	516.5	717.5	2141.4	6138.4	8385.0	6843.0	3902.9	1813.1	518.3
85°	197.4	195.5	348.6	739.6	2165.4	3458.4	2502.9	997.9	451.9	252.7
87.5°	55.3	53.5	75.6	256.4	527.5	800.5	427.9	164.2	127.3	99.6
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°
3976.7	0°	3976.7	3976.7	3976.7	3976.7	3976.7	3976.7	3976.7	3976.7	3976.7	3976.7
3984.1	2.5°	3989.6	3998.8	4015.4	4028.3	4044.9	4063.4	4089.2	4105.8	4122.4	4133.5
3993.3	5°	4006.2	4026.5	4068.9	4111.3	4161.1	4207.2	4260.7	4299.5	4330.8	4340.0
4026.5	7.5°	4043.1	4076.3	4148.2	4220.2	4299.5	4375.1	4452.6	4519.0	4572.4	4592.7
4085.5	10°	4107.6	4151.9	4253.4	4354.8	4459.9	4576.1	4675.7	4771.6	4847.3	4878.6
4155.6	12.5°	4188.8	4244.1	4376.9	4517.1	4662.8	4823.3	4952.4	5070.5	5164.5	5206.9
4253.4	15°	4293.9	4365.9	4535.6	4723.7	4937.7	5160.8	5325.0	5455.9	5561.1	5612.7
4354.8	17.5°	4408.3	4504.2	4718.2	5002.2	5308.4	5601.7	5793.5	5889.4	5998.2	6048.0
4448.9	20°	4519.0	4637.0	4943.2	5356.3	5764.0	6075.7	6230.6	6256.4	6263.8	6269.4
4537.4	22.5°	4633.3	4791.9	5225.4	5802.7	6239.8	6455.7	6477.8	6367.1	6212.2	6140.2
4624.1	25°	4758.7	4969.0	5594.3	6295.2	6649.3	6675.1	6505.5	6236.2	5942.9	5808.2
4694.2	27.5°	4880.5	5173.7	6037.0	6765.5	6944.4	6717.6	6352.4	5970.6	5616.4	5474.4
4744.0	30°	5002.2	5408.0	6525.7	7176.8	7079.1	6612.4	6110.7	5684.7	5328.7	5179.3
4788.2	32.5°	5125.8	5681.0	7088.3	7473.8	7055.1	6389.3	5810.1	5363.7	5050.2	4893.4
4827.0	35°	5266.0	6016.7	7621.4	7636.1	6894.6	6060.9	5413.5	4980.1	4707.1	4581.7
4873.1	37.5°	5448.6	6442.7	8091.7	7676.7	6614.3	5579.5	4921.1	4526.3	4301.3	4244.1
4941.3	40°	5675.4	6955.5	8451.4	7612.1	6199.3	4994.8	4382.5	4067.1	3939.8	3952.7
5033.6	42.5°	5970.6	7529.1	8704.1	7446.1	5622.0	4391.7	3910.3	3770.1	3831.0	3882.6
5171.9	45°	6354.2	8124.9	8860.8	7163.9	4969.0	3880.8	3631.8	3665.0	3711.1	3716.6
5395.1	47.5°	6844.8	8728.0	8964.1	6737.9	4303.2	3521.1	3454.7	3462.1	3452.9	3414.1
5728.9	50°	7457.2	9314.6	9056.4	6173.4	3736.9	3296.1	3207.5	3181.7	3054.4	2929.0
6173.4	52.5°	8154.4	9853.2	9095.1	5472.5	3296.1	3107.9	2964.1	2801.8	2563.8	2525.1
6732.3	55°	8929.1	10351.2	8995.5	4611.2	2925.3	2866.3	2648.7	2453.1	2427.3	2394.1
7468.3	57.5°	9855.0	10887.9	8792.6	3650.2	2545.4	2584.1	2372.0	2394.1	2348.0	2296.4
8414.5	60°	10867.6	11443.1	8436.6	2774.1	2152.5	2231.8	2300.1	2298.2	2285.3	2242.9
9412.3	62.5°	11778.8	11808.3	7735.7	2124.8	1807.6	1958.8	2145.1	2143.3	2132.2	2108.2
10454.5	65°	12321.1	11753.0	6566.3	1672.9	1523.5	1733.8	1934.9	1949.6	1951.5	1949.6
11238.4	67.5°	12225.2	11105.6	4961.6	1331.7	1289.3	1505.1	1726.4	1746.7	1761.5	1765.2
11338.0	70°	11140.6	9683.5	3235.2	1062.4	1080.9	1304.0	1529.1	1549.4	1562.3	1577.0
9838.4	72.5°	8683.8	7119.7	1851.9	859.5	898.3	1130.7	1333.6	1357.5	1364.9	1392.6
6846.7	75°	5291.8	4187.0	999.7	676.9	737.8	966.5	1139.9	1167.6	1180.5	1213.7
3362.5	77.5°	2515.9	1813.1	569.9	527.5	593.9	789.4	962.8	994.2	959.1	977.6
927.8	80°	850.3	673.2	359.7	402.1	453.7	616.1	771.0	802.3	728.6	724.9
308.0	82.5°	297.0	273.0	228.7	267.4	293.3	440.8	582.9	623.4	542.3	540.4
138.3	85°	116.2	110.7	127.3	145.7	175.2	271.1	383.7	403.9	333.8	269.3
40.6	87.5°	24.0	25.8	31.4	33.2	53.5	94.1	138.3	169.7	134.6	114.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
3976.7
4126.1
4343.7
4594.6
4880.5
5206.9
5609.0
6046.2
6284.1
6160.5
5828.5
5491.0
5195.9
4913.7
4609.3
4284.7
3997.0
3930.6
3753.5
3443.6
2945.6
2538.0
2399.7
2287.1
2228.1
2099.0
1949.6
1768.8
1584.4
1403.6
1217.4
962.8
717.5
514.6
265.6
105.1
0.0

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