

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: P851233

Luminaire Tested: **GLAN-SB9A-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851233
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-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 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: 36018 lumens
Efficiency: N/A
Efficacy: 141.0 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

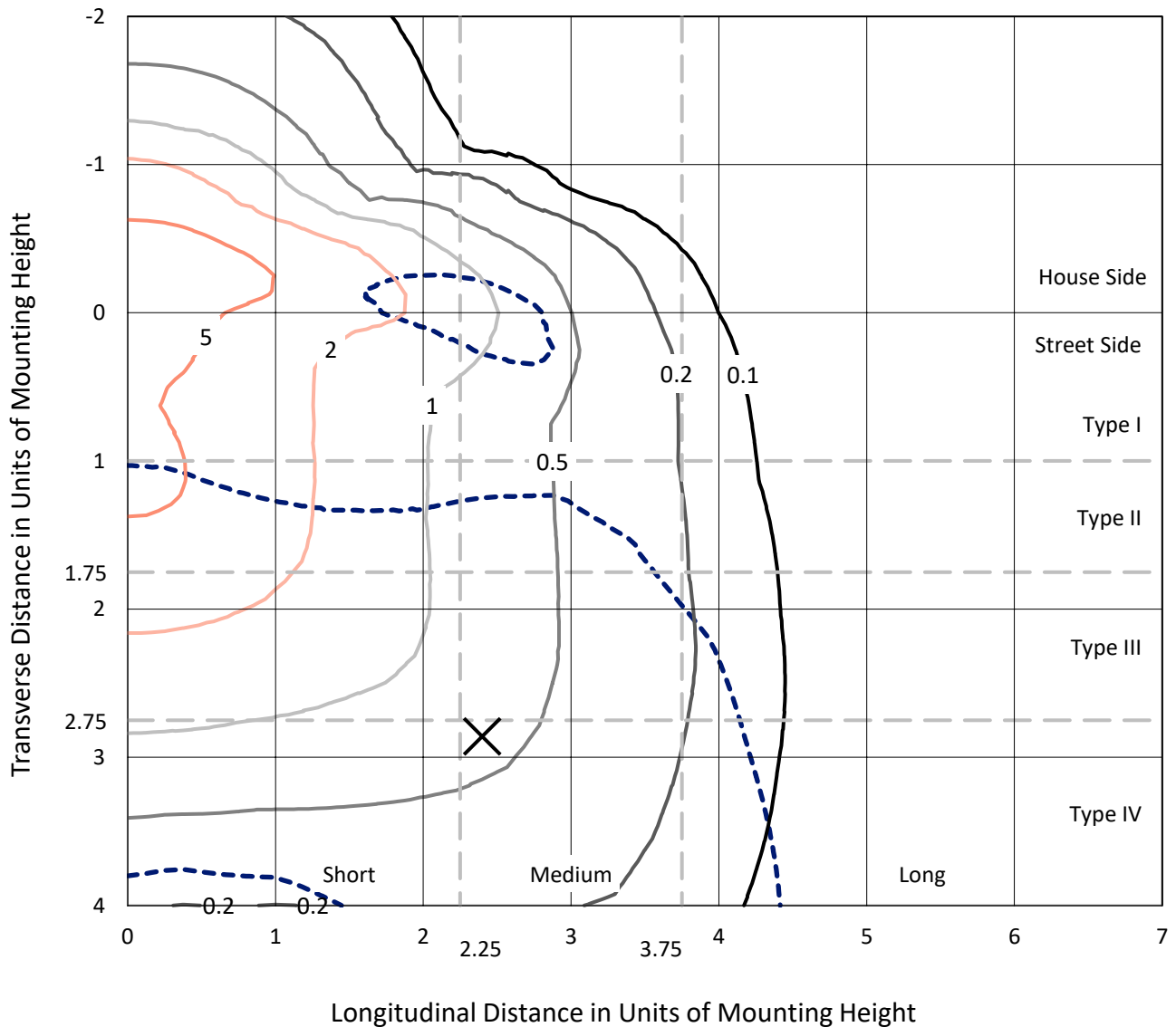
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

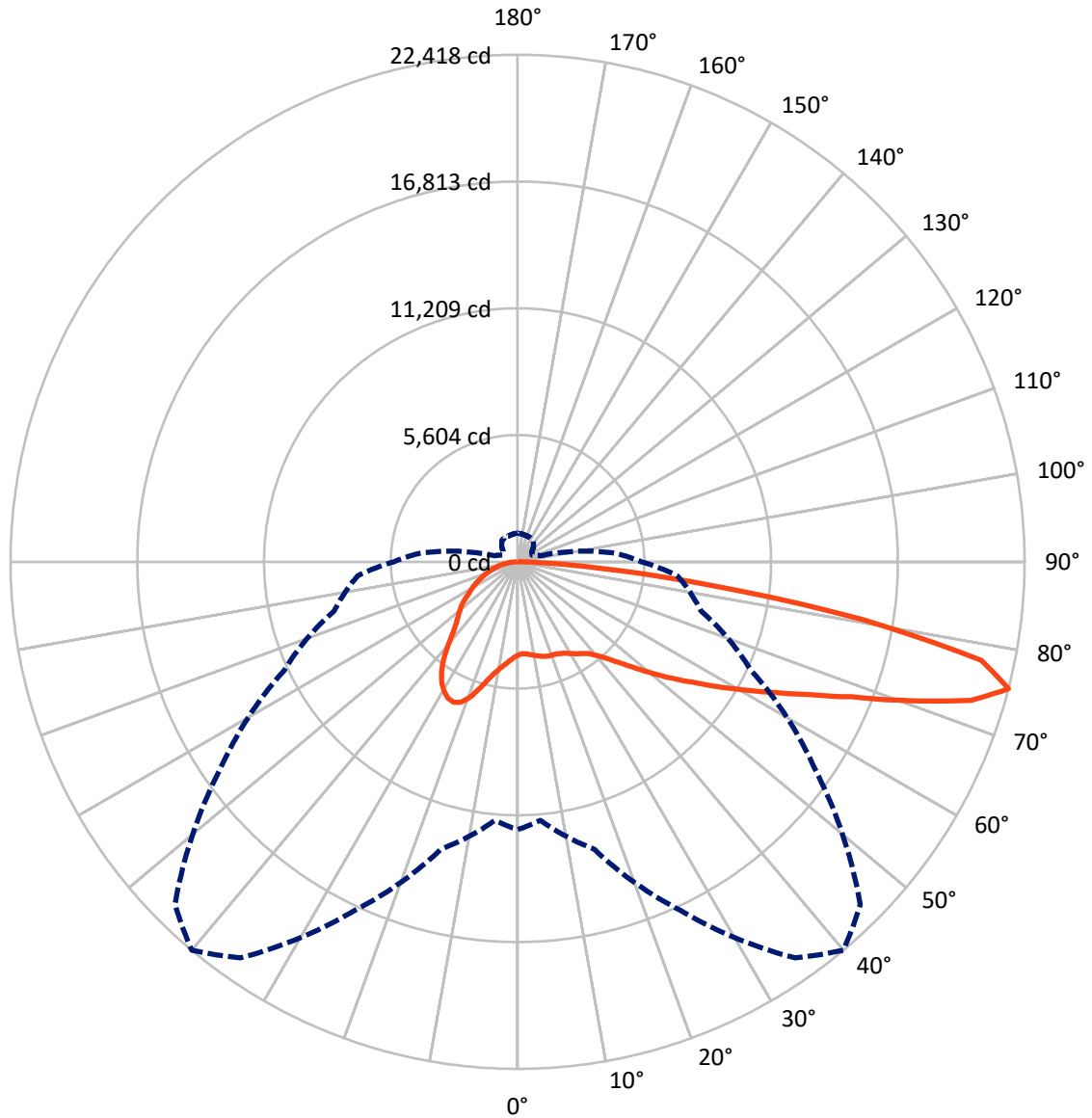
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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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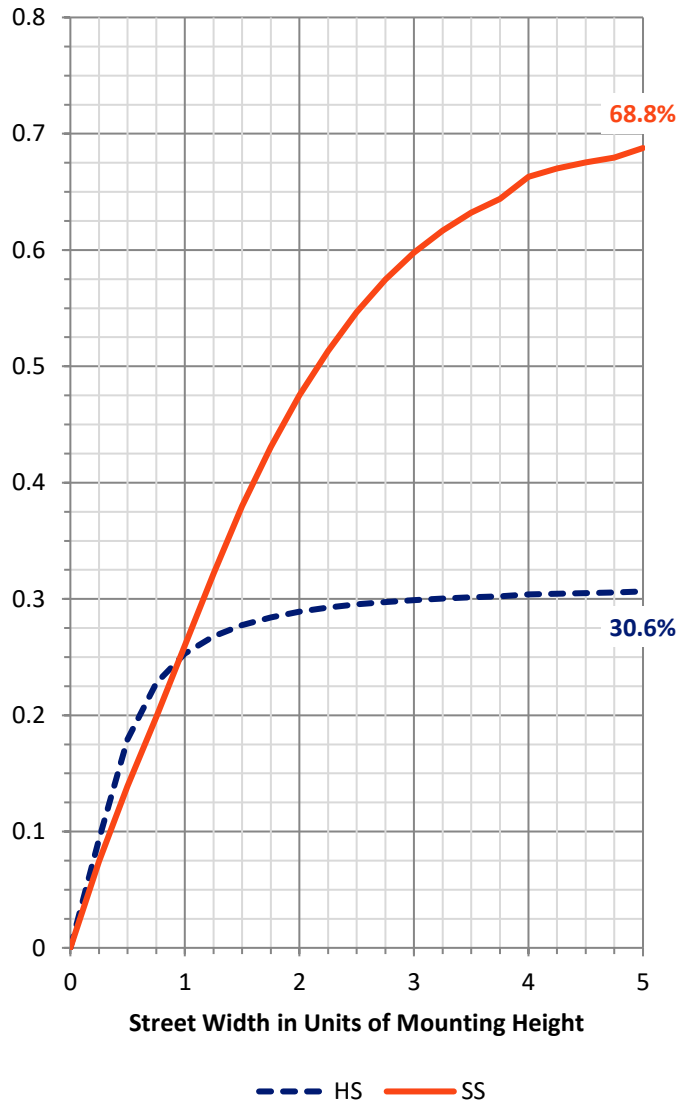
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11159.6	0.0	11159.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	24858.4	0.0	24858.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	36018.0	0.0	36018.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.1	1.1
10°-20°	1380.3	3.8
20°-30°	2520.4	7.0
30°-40°	3574.6	9.9
40°-50°	4826.8	13.4
50°-60°	6493.3	18.0
60°-70°	8241.5	22.9
70°-80°	7479.7	20.8
80°-90°	1090.3	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°	36018.0	100.0
0°-180°	36018.0	100.0

Coefficient of Utilization

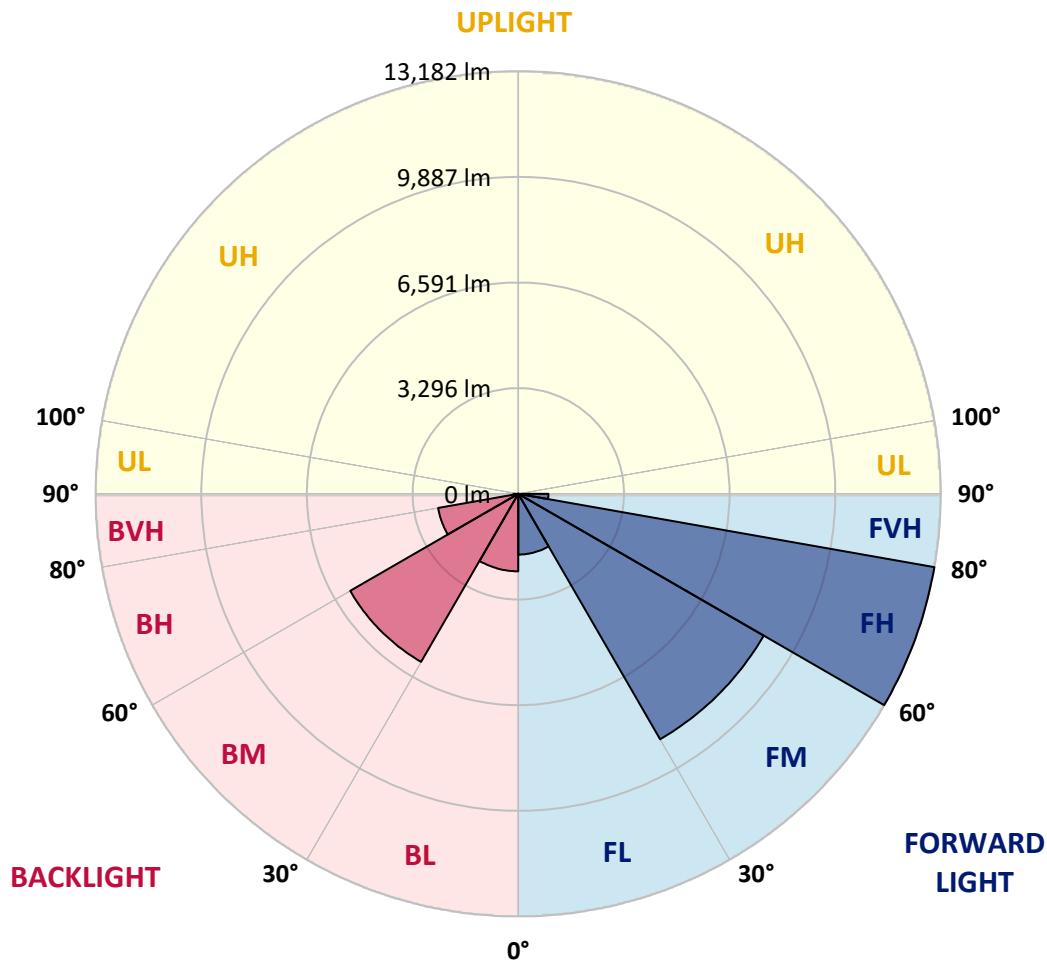


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1894.6	5.3			
FM (30°-60°)	8841.6	24.5			
FH (60°-80°)	13182.0	36.6			G5
FVH (80°-90°)	940.2	2.6			G5
BL (0°-30°)	2417.3	6.7	B3/2500		
BM (30°-60°)	6053.1	16.8	B4/8500		
BH (60°-80°)	2539.1	7.0	B4/5000		G4/5000
BVH (80°-90°)	150.1	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°	4118.7	4118.7	4118.7	4118.7	4118.7	4118.7	4118.7	4118.7	4118.7	4118.7
2.5°	4055.7	4078.6	4072.9	4065.2	4065.2	4067.1	4065.2	4078.6	4092.0	4105.3
5°	4097.7	4120.6	4109.2	4099.6	4092.0	4090.1	4084.3	4082.4	4090.1	4107.2
7.5°	4179.8	4202.8	4185.6	4168.4	4153.1	4145.5	4137.8	4126.3	4120.6	4130.2
10°	4271.5	4294.5	4273.4	4242.9	4218.0	4208.5	4200.9	4189.4	4181.7	4187.5
12.5°	4363.2	4386.2	4357.5	4315.5	4283.0	4277.3	4267.7	4263.9	4262.0	4260.1
15°	4449.2	4468.3	4432.0	4382.3	4347.9	4338.4	4328.8	4334.6	4344.1	4355.6
17.5°	4516.1	4535.2	4481.7	4416.7	4384.2	4380.4	4374.7	4393.8	4420.5	4449.2
20°	4577.2	4596.3	4527.5	4439.6	4401.4	4401.4	4403.3	4443.5	4481.7	4523.7
22.5°	4663.2	4678.4	4594.4	4474.0	4418.6	4422.5	4437.7	4477.9	4525.6	4582.9
25°	4791.1	4802.6	4699.5	4539.0	4475.9	4487.4	4500.8	4519.9	4565.7	4632.6
27.5°	4997.5	5007.0	4871.4	4653.6	4558.1	4577.2	4596.3	4582.9	4603.9	4661.2
30°	5287.8	5293.6	5121.6	4833.2	4697.5	4707.1	4710.9	4655.5	4615.4	4661.2
32.5°	5631.7	5629.8	5425.4	5051.0	4856.1	4846.5	4814.1	4705.2	4611.6	4651.7
35°	6164.7	6143.7	5880.0	5356.6	5035.7	4976.5	4900.0	4760.6	4630.7	4642.1
37.5°	7047.3	6982.3	6617.4	5857.1	5303.1	5152.2	5039.5	4850.4	4672.7	4638.3
40°	8042.6	7960.4	7559.2	6542.9	5704.3	5461.7	5280.2	4978.4	4741.5	4655.5
42.5°	9223.2	9106.6	8674.9	7351.0	6212.4	5860.9	5587.8	5140.7	4842.7	4710.9
45°	10673.1	10518.4	9907.1	8262.2	6852.4	6384.4	6019.5	5387.2	4997.5	4817.9
47.5°	12138.3	12176.5	11307.3	9305.3	7620.4	7030.1	6560.1	5757.8	5222.9	4989.8
50°	13695.3	13722.0	12700.0	10461.1	8491.5	7759.8	7167.6	6172.3	5536.2	5234.3
52.5°	14910.3	14914.1	13964.6	11670.3	9398.9	8562.2	7822.9	6646.1	5899.1	5559.1
55°	15670.6	15661.0	14851.0	12814.6	10442.0	9404.6	8548.8	7184.8	6342.3	5941.2
57.5°	16222.7	16194.0	15462.3	13798.4	11553.8	10399.9	9370.2	7796.1	6865.8	6395.8
60°	16432.8	16415.6	15876.9	14648.5	12722.9	11500.3	10317.8	8480.0	7459.9	6932.6
62.5°	16513.0	16545.5	16283.8	15471.9	13974.2	12719.1	11358.9	9297.7	8128.5	7540.1
65°	16795.8	16855.0	16801.5	16549.3	15387.8	14146.1	12740.1	10270.0	8858.3	8191.6
67.5°	17355.5	17414.7	17437.6	17838.8	17114.8	15924.6	14463.2	11481.2	9712.2	8867.8
70°	17342.1	17324.9	17729.9	18864.7	19277.3	18387.1	16786.2	12971.3	10730.4	9429.5
72.5°	15785.2	15647.6	16604.7	18853.2	21076.8	20958.4	19623.1	14893.1	11609.2	9498.2
75°	11842.2	11475.4	13166.1	16990.6	21376.8	22417.9	21426.4	16085.1	11400.9	8392.2
77.5°	5064.3	4695.6	6688.1	12577.7	19132.1	20956.5	19772.1	14033.4	9100.9	5549.6
80°	1325.8	1323.9	2021.1	5702.4	13011.4	15475.7	13576.8	9062.7	5200.0	1982.9
82.5°	548.3	534.9	743.1	2217.9	6357.6	8684.4	7087.4	4042.3	1877.9	536.8
85°	204.4	202.5	361.1	766.0	2242.7	3581.9	2592.3	1033.5	468.0	261.7
87.5°	57.3	55.4	78.3	265.5	546.4	829.1	443.2	170.0	131.8	103.2
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°
4118.7	0°	4118.7	4118.7	4118.7	4118.7	4118.7	4118.7	4118.7	4118.7	4118.7	4118.7
4126.3	2.5°	4132.1	4141.6	4158.8	4172.2	4189.4	4208.5	4235.2	4252.4	4269.6	4281.1
4135.9	5°	4149.3	4170.3	4214.2	4258.2	4309.7	4357.5	4412.9	4453.0	4485.5	4495.0
4170.3	7.5°	4187.5	4221.9	4296.4	4370.9	4453.0	4531.3	4611.6	4680.3	4735.7	4756.8
4231.4	10°	4254.3	4300.2	4405.3	4510.3	4619.2	4739.6	4842.7	4942.1	5020.4	5052.9
4304.0	12.5°	4338.4	4395.7	4533.3	4678.4	4829.4	4995.6	5129.3	5251.5	5349.0	5392.9
4405.3	15°	4447.3	4521.8	4697.5	4892.4	5114.0	5345.1	5515.2	5650.8	5759.7	5813.2
4510.3	17.5°	4565.7	4665.1	4886.7	5180.9	5498.0	5801.7	6000.4	6099.7	6212.4	6264.0
4607.8	20°	4680.3	4802.6	5119.7	5547.6	5969.8	6292.7	6453.1	6479.9	6487.5	6493.3
4699.5	22.5°	4798.8	4963.1	5412.0	6009.9	6462.7	6686.2	6709.1	6594.5	6434.0	6359.5
4789.2	25°	4928.7	5146.5	5794.1	6520.0	6886.8	6913.5	6737.8	6458.9	6155.1	6015.7
4861.8	27.5°	5054.8	5358.5	6252.6	7007.1	7192.5	6957.5	6579.2	6183.8	5817.0	5669.9
4913.4	30°	5180.9	5601.1	6758.8	7433.2	7331.9	6848.6	6329.0	5887.7	5519.0	5364.3
4959.3	32.5°	5308.9	5883.9	7341.5	7740.7	7307.1	6617.4	6017.6	5555.3	5230.5	5068.1
4999.4	35°	5454.0	6231.5	7893.6	7908.8	7140.9	6277.4	5606.9	5157.9	4875.2	4745.3
5047.1	37.5°	5643.2	6672.8	8380.7	7950.9	6850.5	5778.8	5096.8	4688.0	4454.9	4395.7
5117.8	40°	5878.1	7203.9	8753.2	7884.0	6420.7	5173.2	4539.0	4212.3	4080.5	4093.9
5213.3	42.5°	6183.8	7798.0	9014.9	7712.1	5822.7	4548.5	4049.9	3904.7	3967.8	4021.3
5356.6	45°	6581.1	8415.1	9177.3	7419.8	5146.5	4019.4	3761.5	3795.9	3843.6	3849.3
5587.8	47.5°	7089.3	9039.8	9284.3	6978.5	4456.8	3646.9	3578.1	3585.7	3576.2	3536.1
5933.5	50°	7723.5	9647.2	9379.8	6393.9	3870.4	3413.8	3322.1	3295.3	3163.5	3033.6
6393.9	52.5°	8445.6	10205.1	9419.9	5668.0	3413.8	3218.9	3069.9	2901.8	2655.4	2615.3
6972.8	55°	9248.0	10720.9	9316.8	4775.9	3029.8	2968.7	2743.3	2540.8	2514.0	2479.6
7735.0	57.5°	10207.0	11276.8	9106.6	3780.6	2636.3	2676.4	2456.7	2479.6	2431.9	2378.4
8715.0	60°	11255.8	11851.8	8737.9	2873.2	2229.4	2311.5	2382.2	2380.3	2366.9	2323.0
9748.5	62.5°	12199.5	12230.0	8012.0	2200.7	1872.1	2028.8	2221.7	2219.8	2208.4	2183.5
10827.8	65°	12761.1	12172.7	6800.8	1732.7	1577.9	1795.7	2004.0	2019.2	2021.1	2019.2
11639.7	67.5°	12661.8	11502.2	5138.8	1379.3	1335.3	1558.8	1788.1	1809.1	1824.4	1828.2
11742.9	70°	11538.5	10029.3	3350.7	1100.4	1119.5	1350.6	1583.7	1604.7	1618.1	1633.3
10189.8	72.5°	8993.9	7373.9	1918.0	890.2	930.3	1171.0	1381.2	1406.0	1413.7	1442.3
7091.2	75°	5480.8	4336.5	1035.4	701.1	764.1	1001.0	1180.6	1209.2	1222.6	1257.0
3482.6	77.5°	2605.7	1877.9	590.3	546.4	615.1	817.6	997.2	1029.7	993.4	1012.5
960.9	80°	880.7	697.3	372.5	416.5	469.9	638.1	798.5	831.0	754.6	750.8
319.0	82.5°	307.6	282.7	236.9	277.0	303.7	456.6	603.7	645.7	561.6	559.7
143.3	85°	120.4	114.6	131.8	150.9	181.5	280.8	397.4	418.4	345.8	278.9
42.0	87.5°	24.8	26.7	32.5	34.4	55.4	97.4	143.3	175.8	139.5	118.4
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

<u>180°</u>
4118.7
4273.4
4498.9
4758.7
5054.8
5392.9
5809.4
6262.1
6508.5
6380.6
6036.7
5687.1
5381.4
5089.2
4774.0
4437.7
4139.7
4070.9
3887.6
3566.6
3050.8
2628.6
2485.4
2368.8
2307.7
2174.0
2019.2
1832.0
1641.0
1453.8
1260.8
997.2
743.1
533.0
275.1
108.9
0.0

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