

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: P853171

Luminaire Tested: **GLAN-SB9B-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39641 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

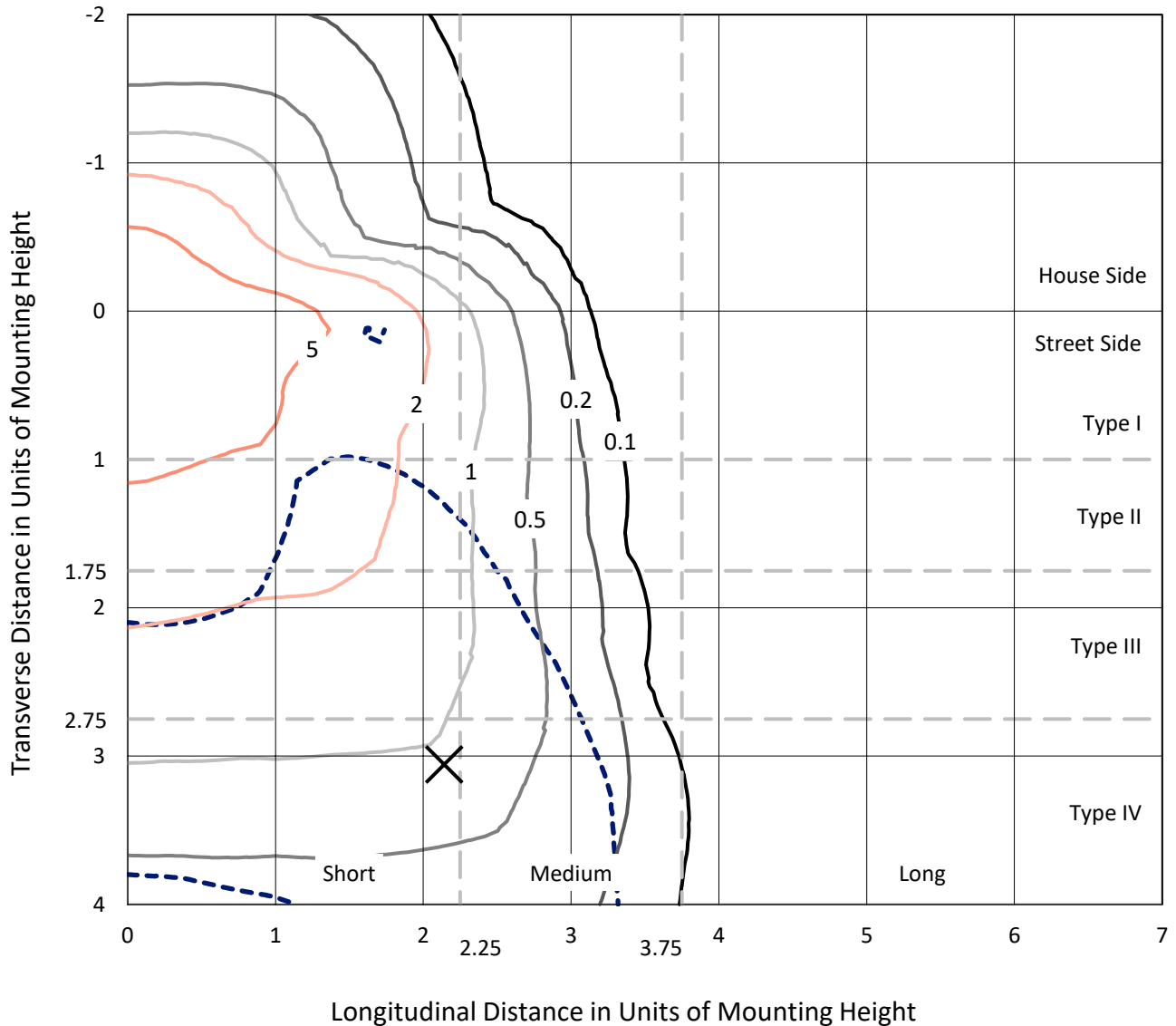
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

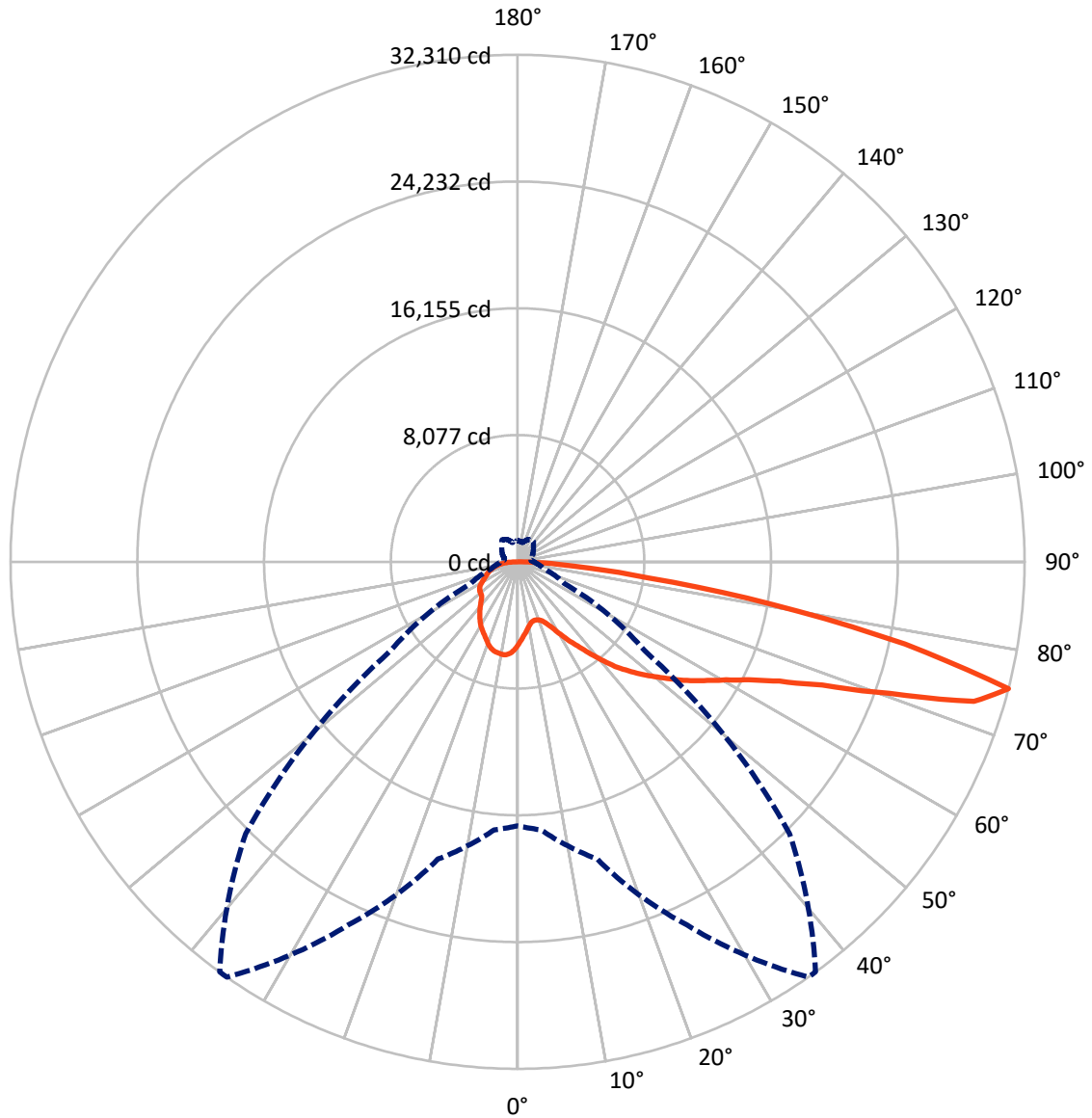
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9433.6	0.0	9433.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	30207.4	0.0	30207.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	39641.0	0.0	39641.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.1	1.3
10°-20°	1442.6	3.6
20°-30°	2422.5	6.1
30°-40°	3765.0	9.5
40°-50°	5588.2	14.1
50°-60°	7714.9	19.5
60°-70°	9359.9	23.6
70°-80°	7735.2	19.5
80°-90°	1112.6	2.8
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°	39641.0	100.0
0°-180°	39641.0	100.0

Coefficient of Utilization

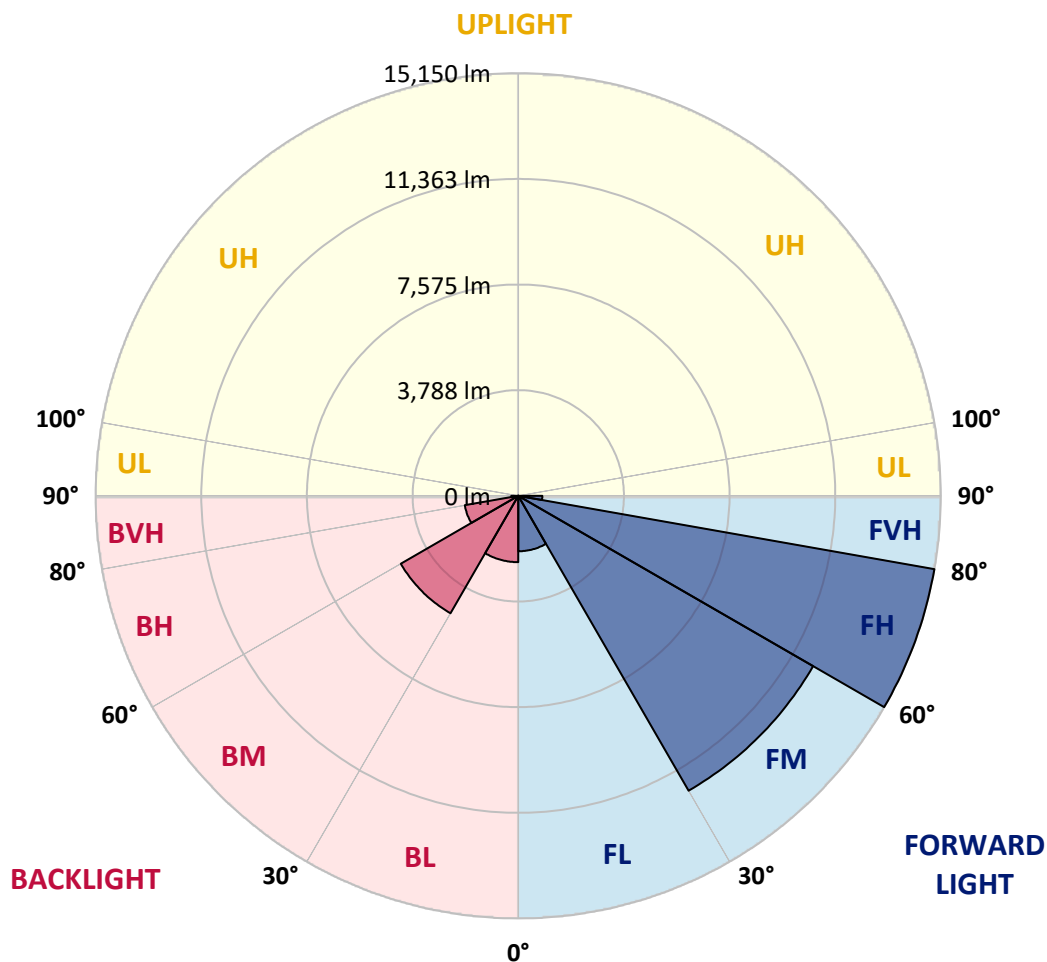


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1987.9	5.0			
FM (30°-60°)	12207.3	30.8			
FH (60°-80°)	15150.2	38.2			G5
FVH (80°-90°)	862.0	2.2			G5
BL (0°-30°)	2377.4	6.0	B3/2500		
BM (30°-60°)	4860.7	12.3	B3/5000		
BH (60°-80°)	1944.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	250.5	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5282.4	5282.4	5282.4	5282.4	5282.4	5282.4	5282.4	5282.4	5282.4	5282.4
2.5°	4871.0	4901.0	4913.8	4907.4	4939.6	4935.3	4980.3	5036.0	5113.1	5188.1
5°	4496.0	4528.1	4556.0	4581.7	4643.8	4663.1	4733.8	4841.0	4982.4	5126.0
7.5°	4146.7	4174.5	4217.4	4264.5	4369.5	4388.8	4506.7	4673.8	4871.0	5081.0
10°	3861.6	3889.5	3934.5	3988.1	4118.8	4142.4	4292.4	4515.2	4772.4	5038.1
12.5°	3739.5	3748.1	3773.8	3827.4	3940.9	3955.9	4120.9	4376.0	4676.0	5006.0
15°	3733.1	3750.2	3752.3	3780.2	3874.5	3880.9	4033.1	4285.9	4616.0	4999.6
17.5°	3797.4	3810.2	3790.9	3808.1	3887.4	3898.1	4018.1	4243.1	4596.7	5027.4
20°	3968.8	3979.5	3921.6	3898.1	3955.9	3964.5	4082.4	4270.9	4616.0	5085.3
22.5°	4333.1	4339.5	4198.1	4101.7	4105.9	4110.2	4213.1	4384.5	4691.0	5190.3
25°	4901.0	4896.7	4671.7	4485.2	4378.1	4354.5	4423.1	4568.8	4817.4	5329.6
27.5°	5565.3	5533.2	5308.1	5029.6	4796.0	4761.7	4746.7	4808.8	4997.4	5513.9
30°	6315.3	6285.3	6043.2	5678.9	5355.3	5299.6	5158.1	5126.0	5265.3	5764.6
32.5°	7138.2	7119.0	6829.7	6388.2	5955.3	5891.0	5653.2	5567.4	5676.7	6143.9
35°	7828.3	7811.1	7571.1	7116.8	6587.5	6508.2	6266.1	6169.6	6225.3	6630.4
37.5°	8451.9	8443.3	8237.6	7879.7	7333.3	7236.8	6964.7	6932.5	6921.8	7271.1
40°	9030.5	9009.1	8794.8	8606.2	8201.2	8113.3	7873.3	7845.4	7764.0	8059.7
42.5°	9671.2	9615.5	9304.8	9216.9	9107.6	9034.8	8891.2	8895.5	8715.5	8949.1
45°	10194.1	10162.0	9842.7	9791.2	9909.1	9879.1	10003.4	10035.5	9686.2	9881.3
47.5°	10755.6	10725.6	10455.6	10419.1	10738.4	10747.0	11186.3	11197.0	10633.4	10849.9
50°	11447.8	11404.9	11137.0	11182.0	11539.9	11572.1	12375.7	12302.8	11505.6	11833.5
52.5°	11904.2	11929.9	11872.1	11944.9	12433.5	12463.5	13545.7	13359.3	12369.2	12804.3
55°	12240.7	12292.1	12472.1	12639.3	13376.4	13406.4	14649.4	14364.4	13085.0	13704.3
57.5°	12673.5	12600.7	12937.1	13262.9	14272.2	14351.5	15723.0	15333.0	13719.3	14480.1
60°	13295.0	13243.6	13505.0	13987.2	15275.1	15401.6	16858.8	16205.2	14184.3	15095.1
62.5°	14555.1	14426.5	14467.2	14893.7	16539.5	16706.6	18140.3	16965.9	14415.8	15335.1
65°	16438.8	16218.0	16012.3	16308.0	18320.3	18485.3	19586.8	17563.8	14330.1	14870.1
67.5°	18811.0	18592.4	18339.6	18618.2	20943.3	21074.0	21371.9	17900.3	13655.0	13078.6
70°	20767.6	20686.1	20988.3	22134.8	25132.8	25137.1	23660.6	17621.7	11805.6	9272.6
72.5°	20508.3	20459.0	22051.2	25595.7	30413.1	30299.5	25827.1	15513.0	7952.6	4183.1
75°	16824.5	17143.8	19610.4	25533.5	32309.6	32294.6	24500.6	9862.0	3289.5	1733.7
77.5°	9021.9	9527.7	12731.4	18851.7	25222.8	25602.1	17225.2	3450.2	1412.2	1110.1
80°	2942.3	3383.8	5074.6	9598.4	16389.5	16318.7	7382.5	1354.4	966.5	786.5
82.5°	1249.4	1300.8	2267.3	4532.4	8411.2	8280.5	2350.8	777.9	679.3	537.9
85°	488.6	546.5	1000.8	2095.8	3643.1	3563.8	848.6	385.7	435.0	351.4
87.5°	160.7	195.0	357.9	717.9	1133.6	1092.9	207.9	132.9	188.6	160.7
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°
5282.4	0°	5282.4	5282.4	5282.4	5282.4	5282.4	5282.4	5282.4	5282.4	5282.4	5282.4
5297.4	2.5°	5327.4	5361.7	5402.4	5462.4	5513.9	5556.7	5601.7	5629.6	5640.3	5672.5
5306.0	5°	5366.0	5441.0	5541.7	5640.3	5736.7	5794.6	5846.0	5871.7	5895.3	5912.5
5329.6	7.5°	5430.3	5526.7	5685.3	5813.9	5895.3	5942.5	5976.8	5968.2	5976.8	5981.0
5355.3	10°	5486.0	5621.0	5809.6	5931.8	5993.9	5996.0	5987.5	5957.5	5942.5	5944.6
5393.9	12.5°	5552.4	5702.5	5906.0	6008.9	6026.0	5978.9	5942.5	5891.0	5871.7	5863.2
5451.7	15°	5642.5	5813.9	6011.0	6049.6	6006.8	5946.8	5884.6	5801.0	5758.2	5723.9
5550.3	17.5°	5751.7	5940.3	6092.5	6064.6	5972.5	5873.9	5773.2	5646.7	5558.9	5522.4
5685.3	20°	5903.9	6073.2	6154.6	6032.5	5893.2	5743.2	5571.7	5417.4	5336.0	5299.6
5856.7	22.5°	6088.2	6251.1	6214.6	5976.8	5779.6	5539.6	5325.3	5211.7	5171.0	5145.3
6077.5	25°	6308.9	6448.2	6257.5	5895.3	5593.2	5269.6	5104.6	5068.1	5048.8	5029.6
6347.5	27.5°	6596.1	6671.1	6289.6	5775.3	5301.7	4982.4	4922.4	4928.8	4922.4	4890.3
6722.5	30°	6975.4	6960.4	6319.6	5580.3	4967.4	4723.1	4727.4	4755.3	4759.5	4738.1
7245.4	32.5°	7474.7	7322.5	6334.6	5327.4	4648.1	4496.0	4500.2	4530.2	4551.7	4515.2
7929.0	35°	8079.0	7744.7	6311.1	5010.3	4401.7	4279.5	4247.4	4255.9	4262.4	4228.1
8758.3	37.5°	8784.1	8218.3	6206.1	4658.8	4198.1	4067.4	3998.8	3940.9	3906.6	3874.5
9697.0	40°	9557.7	8734.8	6013.2	4316.0	3970.9	3842.4	3739.5	3630.2	3514.5	3471.6
10691.3	42.5°	10367.7	9266.2	5779.6	3988.1	3709.5	3604.5	3495.2	3336.6	3163.0	3075.2
11724.2	45°	11207.8	9810.5	5550.3	3664.5	3441.6	3396.6	3270.2	3079.5	2890.9	2779.4
12759.3	47.5°	12030.7	10324.8	5213.9	3338.8	3190.9	3240.2	3141.6	2965.9	2755.9	2580.1
13785.8	50°	12817.1	10807.0	4663.1	3008.7	2987.3	3193.0	3098.7	2845.9	2605.9	2380.8
14793.0	52.5°	13597.2	11197.0	3958.1	2708.7	2878.0	3180.2	3043.0	2764.4	2470.8	2235.1
15740.1	55°	14259.4	11398.5	3278.8	2451.6	2719.4	3070.9	2976.6	2668.0	2280.1	2029.4
16389.5	57.5°	14636.5	11235.6	2713.0	2198.7	2500.9	2890.9	2863.0	2462.3	2053.0	1860.1
16515.9	60°	14473.6	10575.6	2250.1	1978.0	2293.0	2695.9	2665.9	2258.7	1879.4	1697.2
15838.7	62.5°	13575.7	9317.7	1883.7	1785.1	2104.4	2496.6	2468.7	2102.3	1746.5	1570.8
14040.8	65°	11767.1	7579.7	1598.7	1624.4	1913.7	2256.6	2297.3	1971.5	1641.5	1470.1
10862.7	67.5°	8974.8	5490.3	1375.8	1485.1	1727.2	2020.8	2138.7	1877.2	1553.7	1390.8
6285.3	70°	5115.3	3118.0	1187.2	1350.1	1562.2	1802.2	2016.5	1802.2	1459.4	1324.4
2355.1	72.5°	1939.4	1431.5	1026.5	1215.1	1403.6	1617.9	1881.5	1684.4	1350.1	1249.4
1217.2	75°	1035.1	872.2	863.6	1056.5	1221.5	1437.9	1712.2	1568.7	1268.6	1320.1
842.2	77.5°	705.0	617.2	722.2	904.3	1022.2	1238.6	1532.2	1392.9	1099.3	1095.1
582.9	80°	488.6	437.2	587.2	728.6	790.8	1041.5	1337.2	1195.8	895.8	835.8
360.0	82.5°	293.6	285.0	439.3	544.3	559.3	803.6	1107.9	1002.9	732.9	638.6
214.3	85°	160.7	169.3	280.7	319.3	325.7	561.5	867.9	775.8	563.6	473.6
77.1	87.5°	45.0	57.9	102.9	126.4	156.4	291.4	516.5	460.7	282.9	197.2
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°
5282.4
5670.3
5916.8
5987.5
5948.9
5858.9
5734.6
5524.6
5295.3
5149.6
5029.6
4896.7
4748.8
4532.4
4251.7
3895.9
3490.9
3085.9
2770.9
2560.9
2361.6
2209.4
2008.0
1834.4
1671.5
1542.9
1442.2
1365.1
1307.2
1232.2
1362.9
1009.3
799.3
642.9
477.9
197.2
0.0

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