

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: P850733

Luminaire Tested: **GLAN-SB8B-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850733
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-SB8B-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 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: 38756 lumens
Efficiency: N/A
Efficacy: 132.4 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

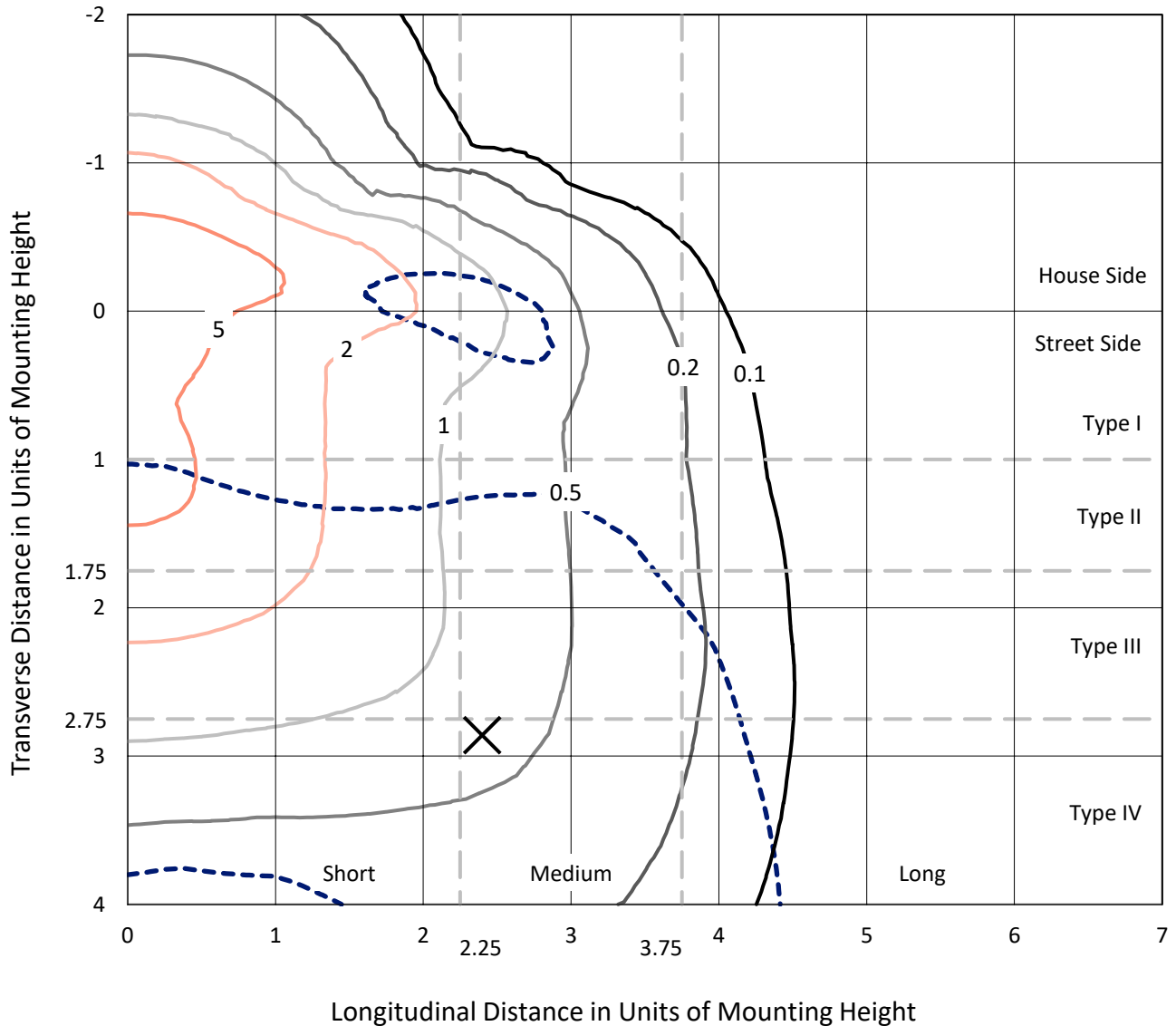
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

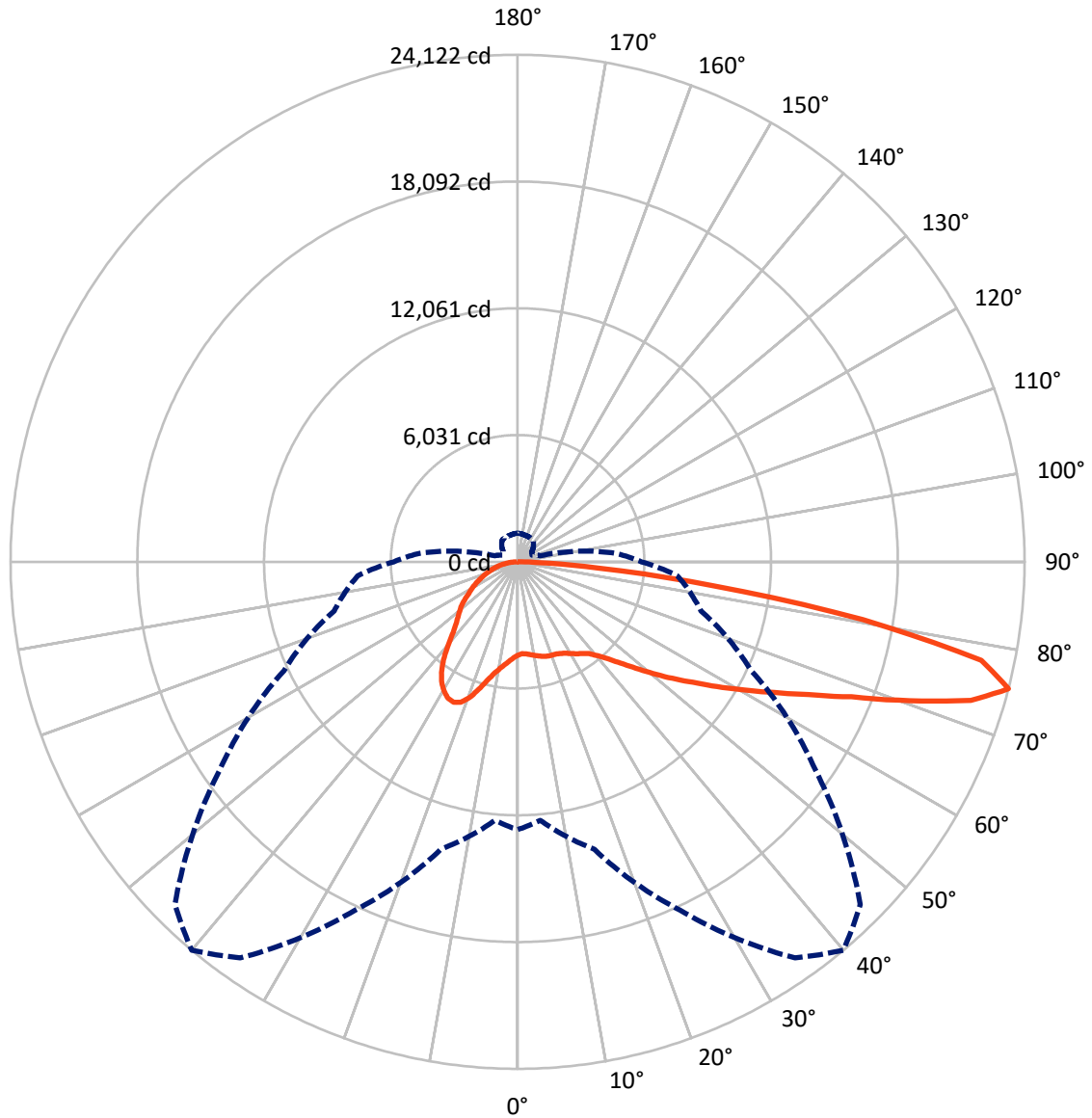
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	12007.9	0.0	12007.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	26748.1	0.0	26748.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	38756.0	0.0	38756.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.4	1.1
10°-20°	1485.3	3.8
20°-30°	2712.0	7.0
30°-40°	3846.3	9.9
40°-50°	5193.7	13.4
50°-60°	6986.9	18.0
60°-70°	8868.0	22.9
70°-80°	8048.3	20.8
80°-90°	1173.2	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°	38756.0	100.0
0°-180°	38756.0	100.0

Coefficient of Utilization

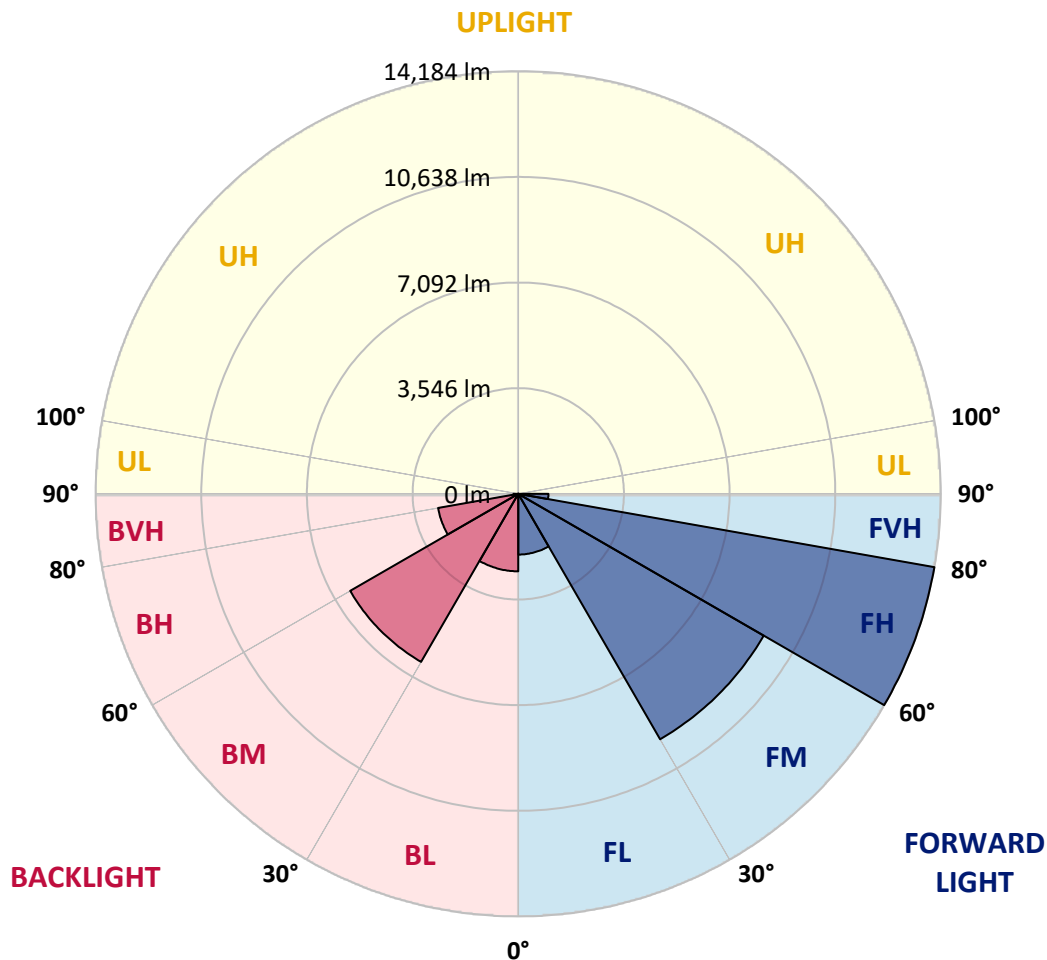


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2038.6	5.3			
FM (30°-60°)	9513.7	24.5			
FH (60°-80°)	14184.1	36.6			G5
FVH (80°-90°)	1011.7	2.6			G5
BL (0°-30°)	2601.0	6.7	B4/5000		
BM (30°-60°)	6513.2	16.8	B4/8500		
BH (60°-80°)	2732.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	161.5	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°	4431.8	4431.8	4431.8	4431.8	4431.8	4431.8	4431.8	4431.8	4431.8	4431.8
2.5°	4364.0	4388.6	4382.5	4374.2	4374.2	4376.3	4374.2	4388.6	4403.0	4417.4
5°	4409.2	4433.9	4421.5	4411.2	4403.0	4401.0	4394.8	4392.7	4401.0	4419.5
7.5°	4497.6	4522.2	4503.7	4485.2	4468.8	4460.6	4452.4	4440.0	4433.9	4444.1
10°	4596.2	4620.9	4598.3	4565.4	4538.7	4528.4	4520.2	4507.9	4499.6	4505.8
12.5°	4694.9	4719.6	4688.7	4643.5	4608.6	4602.4	4592.1	4588.0	4586.0	4583.9
15°	4787.4	4808.0	4768.9	4715.5	4678.5	4668.2	4657.9	4664.1	4674.4	4686.7
17.5°	4859.4	4879.9	4822.4	4752.5	4717.5	4713.4	4707.2	4727.8	4756.6	4787.4
20°	4925.1	4945.7	4871.7	4777.1	4736.0	4736.0	4738.1	4781.2	4822.4	4867.6
22.5°	5017.6	5034.1	4943.6	4814.1	4754.5	4758.6	4775.1	4818.2	4869.6	4931.3
25°	5155.4	5167.7	5056.7	4884.0	4816.2	4828.5	4842.9	4863.5	4912.8	4984.7
27.5°	5377.4	5387.6	5241.7	5007.4	4904.6	4925.1	4945.7	4931.3	4953.9	5015.6
30°	5689.8	5696.0	5511.0	5200.6	5054.6	5064.9	5069.0	5009.4	4966.2	5015.6
32.5°	6059.8	6057.8	5837.8	5434.9	5225.2	5215.0	5180.0	5062.9	4962.1	5005.3
35°	6633.3	6610.7	6327.0	5763.8	5418.5	5354.7	5272.5	5122.5	4982.7	4995.0
37.5°	7583.0	7513.1	7120.5	6302.4	5706.3	5543.9	5422.6	5219.1	5027.9	4990.9
40°	8653.9	8565.5	8133.9	7040.3	6137.9	5876.9	5681.6	5356.8	5101.9	5009.4
42.5°	9924.3	9798.9	9334.3	7909.8	6684.7	6306.5	6012.5	5531.5	5210.9	5069.0
45°	11484.4	11317.9	10660.2	8890.3	7373.3	6869.7	6477.1	5796.7	5377.4	5184.1
47.5°	13061.1	13102.2	12166.9	10012.7	8199.7	7564.5	7058.8	6195.5	5619.9	5369.1
50°	14736.4	14765.1	13665.4	11256.3	9137.0	8349.7	7712.5	6641.5	5957.0	5632.3
52.5°	16043.7	16047.8	15026.2	12557.5	10113.4	9213.0	8417.5	7151.3	6347.6	5981.7
55°	16861.8	16851.5	15980.0	13788.7	11235.7	10119.6	9198.7	7731.0	6824.5	6392.8
57.5°	17455.9	17425.0	16637.8	14847.4	12432.1	11190.5	10082.6	8388.8	7387.7	6882.0
60°	17682.0	17663.5	17083.8	15762.1	13690.1	12374.5	11102.1	9124.7	8027.0	7459.6
62.5°	17768.3	17803.3	17521.6	16648.0	15036.5	13686.0	12222.4	10004.4	8746.4	8113.3
65°	18072.5	18136.3	18078.7	17807.4	16557.6	15221.5	13708.6	11050.7	9531.7	8814.3
67.5°	18674.8	18738.5	18763.2	19194.9	18415.8	17135.2	15562.7	12354.0	10450.5	9541.9
70°	18660.4	18641.9	19077.7	20298.7	20742.7	19784.8	18062.3	13957.3	11546.1	10146.3
72.5°	16985.1	16837.1	17867.0	20286.4	22679.1	22551.6	21114.8	16025.2	12491.7	10220.3
75°	12742.5	12347.8	14167.0	18282.2	23001.8	24122.1	23055.2	17307.9	12267.6	9030.1
77.5°	5449.3	5052.6	7196.5	13533.8	20586.5	22549.6	21275.1	15100.2	9792.7	5971.4
80°	1426.6	1424.5	2174.8	6135.9	14000.5	16652.1	14608.9	9751.6	5595.3	2133.7
82.5°	589.9	575.6	799.6	2386.5	6840.9	9344.6	7626.1	4349.6	2020.6	577.6
85°	219.9	217.9	388.5	824.3	2413.2	3854.2	2789.4	1112.1	503.6	281.6
87.5°	61.7	59.6	84.3	285.7	587.9	892.1	476.9	182.9	141.8	111.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4431.8	0°	4431.8	4431.8	4431.8	4431.8	4431.8	4431.8	4431.8	4431.8	4431.8	4431.8
4440.0	2.5°	4446.2	4456.5	4475.0	4489.4	4507.9	4528.4	4557.2	4575.7	4594.2	4606.5
4450.3	5°	4464.7	4487.3	4534.6	4581.9	4637.4	4688.7	4748.4	4791.5	4826.5	4836.7
4487.3	7.5°	4505.8	4542.8	4623.0	4703.1	4791.5	4875.8	4962.1	5036.1	5095.7	5118.4
4553.1	10°	4577.7	4627.1	4740.1	4853.2	4970.4	5099.9	5210.9	5317.7	5402.0	5437.0
4631.2	12.5°	4668.2	4729.9	4877.9	5034.1	5196.5	5375.3	5519.2	5650.8	5755.6	5802.9
4740.1	15°	4785.4	4865.5	5054.6	5264.3	5502.8	5751.5	5934.4	6080.4	6197.5	6255.1
4853.2	17.5°	4912.8	5019.7	5258.1	5574.7	5915.9	6242.8	6456.5	6563.4	6684.7	6740.2
4958.0	20°	5036.1	5167.7	5508.9	5969.4	6423.6	6771.0	6943.7	6972.5	6980.7	6986.9
5056.7	22.5°	5163.6	5340.4	5823.4	6466.8	6954.0	7194.5	7219.1	7095.8	6923.1	6843.0
5153.3	25°	5303.4	5537.7	6234.5	7015.6	7410.3	7439.1	7250.0	6949.9	6623.0	6473.0
5231.4	27.5°	5439.0	5765.9	6727.9	7539.8	7739.2	7486.4	7079.4	6653.9	6259.2	6100.9
5286.9	30°	5574.7	6026.9	7272.6	7998.2	7889.3	7369.2	6810.1	6335.3	5938.5	5772.0
5336.2	32.5°	5712.4	6331.1	7899.5	8329.2	7862.5	7120.5	6475.0	5977.6	5628.1	5453.4
5379.4	35°	5868.6	6705.3	8493.6	8510.0	7683.7	6754.6	6033.1	5550.0	5245.8	5106.0
5430.8	37.5°	6072.1	7180.1	9017.8	8555.3	7371.3	6218.1	5484.3	5044.4	4793.6	4729.9
5506.9	40°	6325.0	7751.5	9418.6	8483.3	6908.8	5566.5	4884.0	4532.5	4390.7	4405.1
5609.6	42.5°	6653.9	8390.8	9700.2	8298.3	6265.4	4894.3	4357.8	4201.6	4269.4	4327.0
5763.8	45°	7081.4	9054.8	9874.9	7983.8	5537.7	4324.9	4047.4	4084.4	4135.8	4142.0
6012.5	47.5°	7628.2	9726.9	9990.1	7509.0	4795.6	3924.1	3850.1	3858.3	3848.0	3804.9
6384.6	50°	8310.7	10380.6	10092.8	6880.0	4164.6	3673.3	3574.6	3545.9	3404.0	3264.2
6880.0	52.5°	9087.7	10980.8	10136.0	6098.9	3673.3	3463.6	3303.3	3122.4	2857.2	2814.1
7502.8	55°	9951.0	11535.8	10025.0	5138.9	3260.1	3194.3	2951.8	2733.9	2705.1	2668.1
8323.0	57.5°	10982.9	12134.0	9798.9	4068.0	2836.7	2879.8	2643.5	2668.1	2616.7	2559.2
9377.5	60°	12111.4	12752.7	9402.2	3091.6	2398.8	2487.2	2563.3	2561.2	2546.8	2499.6
10489.6	62.5°	13126.8	13159.7	8621.0	2368.0	2014.5	2183.0	2390.6	2388.6	2376.2	2349.5
11650.9	65°	13731.2	13098.1	7317.8	1864.4	1697.9	1932.2	2156.3	2172.7	2174.8	2172.7
12524.6	67.5°	13624.3	12376.6	5529.5	1484.1	1436.8	1677.3	1924.0	1946.6	1963.1	1967.2
12635.6	70°	12415.6	10791.7	3605.5	1184.0	1204.6	1453.3	1704.1	1726.7	1741.1	1757.5
10964.4	72.5°	9677.6	7934.5	2063.8	957.9	1001.1	1260.1	1486.2	1512.9	1521.1	1552.0
7630.3	75°	5897.4	4666.1	1114.1	754.4	822.2	1077.1	1270.3	1301.2	1315.6	1352.6
3747.3	77.5°	2803.8	2020.6	635.2	587.9	661.9	879.8	1073.0	1108.0	1068.9	1089.4
1033.9	80°	947.6	750.3	400.8	448.1	505.7	686.6	859.2	894.2	811.9	807.8
343.3	82.5°	330.9	304.2	254.9	298.1	326.8	491.3	649.6	694.8	604.3	602.3
154.2	85°	129.5	123.3	141.8	162.4	195.3	302.2	427.6	450.2	372.1	300.1
45.2	87.5°	26.7	28.8	34.9	37.0	59.6	104.8	154.2	189.1	150.1	127.4
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>
4431.8
4598.3
4840.9
5120.4
5439.0
5802.9
6251.0
6738.1
7003.3
6865.6
6495.6
6119.4
5790.5
5476.0
5136.9
4775.1
4454.4
4380.4
4183.1
3837.7
3282.7
2828.5
2674.3
2548.9
2483.1
2339.2
2172.7
1971.3
1765.7
1564.3
1356.7
1073.0
799.6
573.5
296.0
117.2
0.0

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