Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P942000

Luminaire Tested: **GLAN-SB5D-760-U-5WQ**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P942000
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB5D-760-U-5WQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(5) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	55009 lumens
Efficiency:	N/A
Efficacy:	150.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G5

Input Watts (W):	364.9
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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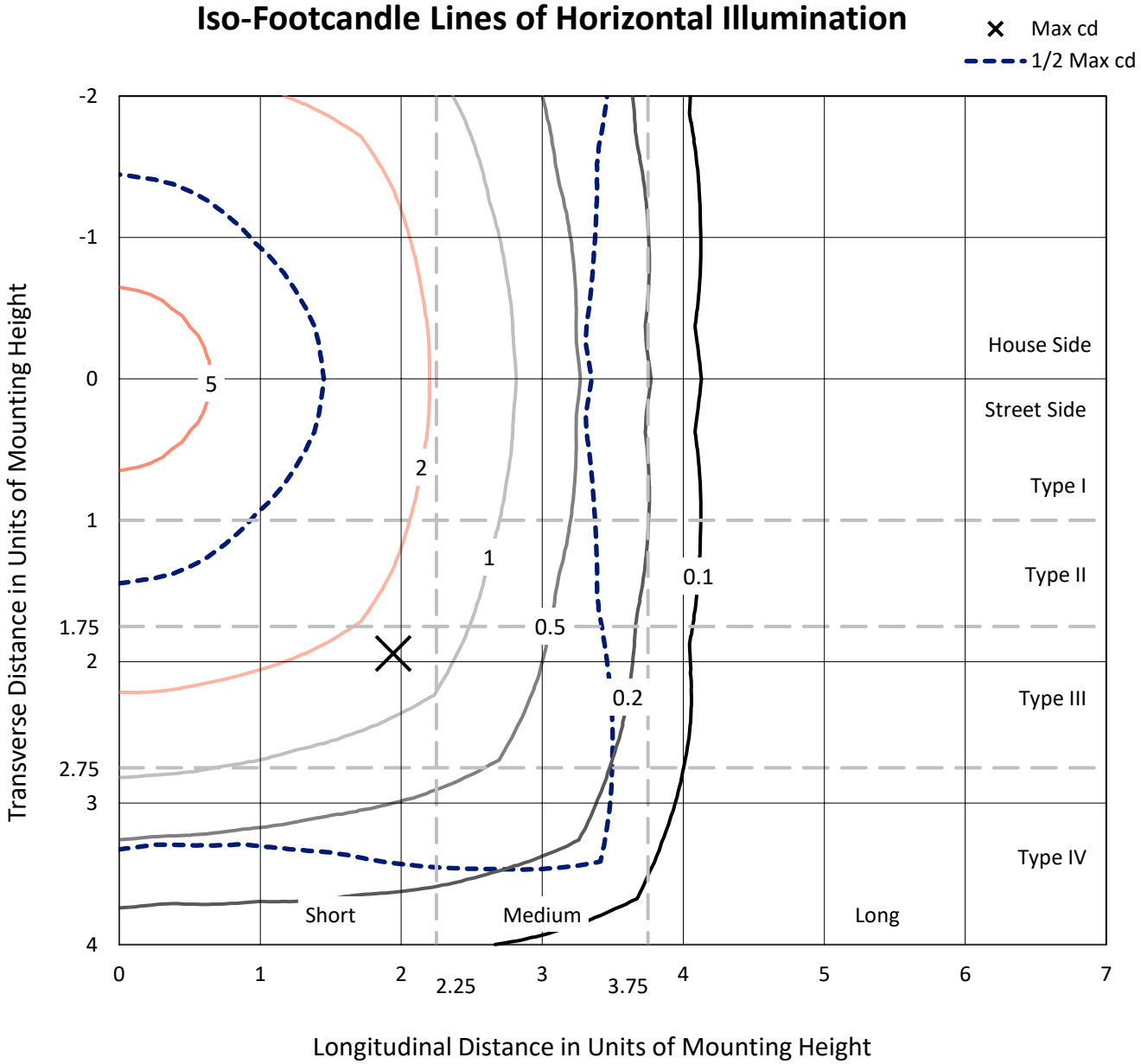
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type V - Short - N/A

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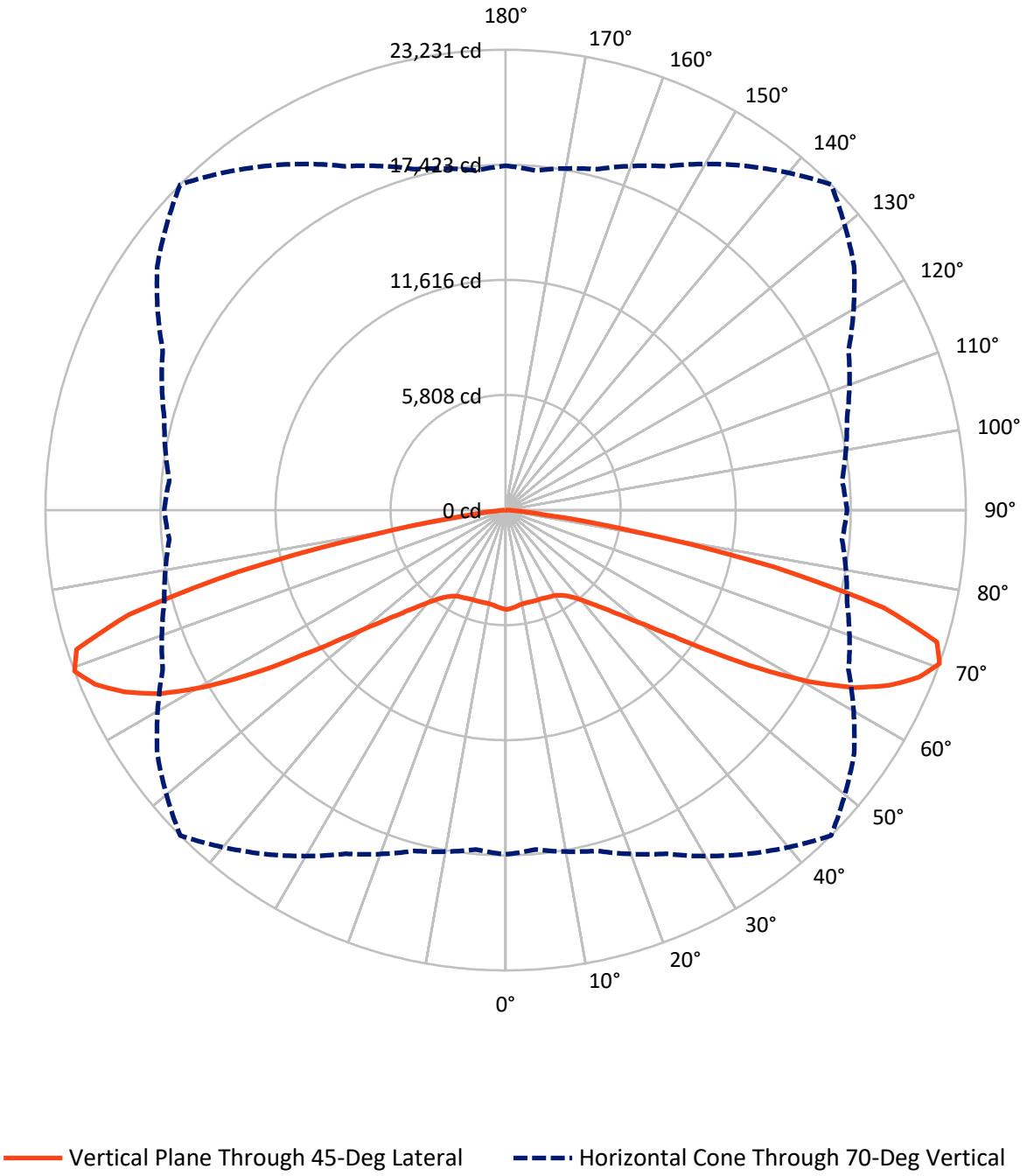
Luminous Intensity Polar Plot



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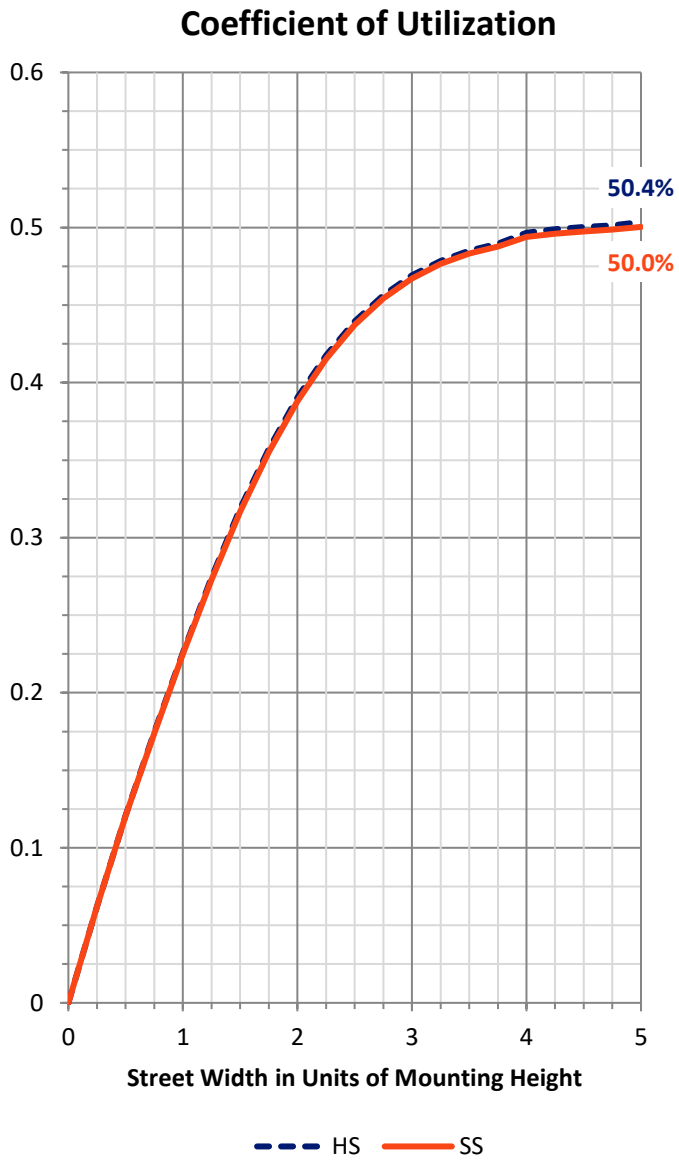
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27504.5	0.0	27504.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27504.5	0.0	27504.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55009.0	0.0	55009.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.8	0.8
10°-20°	1370.6	2.5
20°-30°	2280.9	4.1
30°-40°	3449.4	6.3
40°-50°	5732.0	10.4
50°-60°	10816.1	19.7
60°-70°	18263.5	33.2
70°-80°	12001.0	21.8
80°-90°	628.7	1.1
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°	55009.0	100.0
0°-180°	55009.0	100.0



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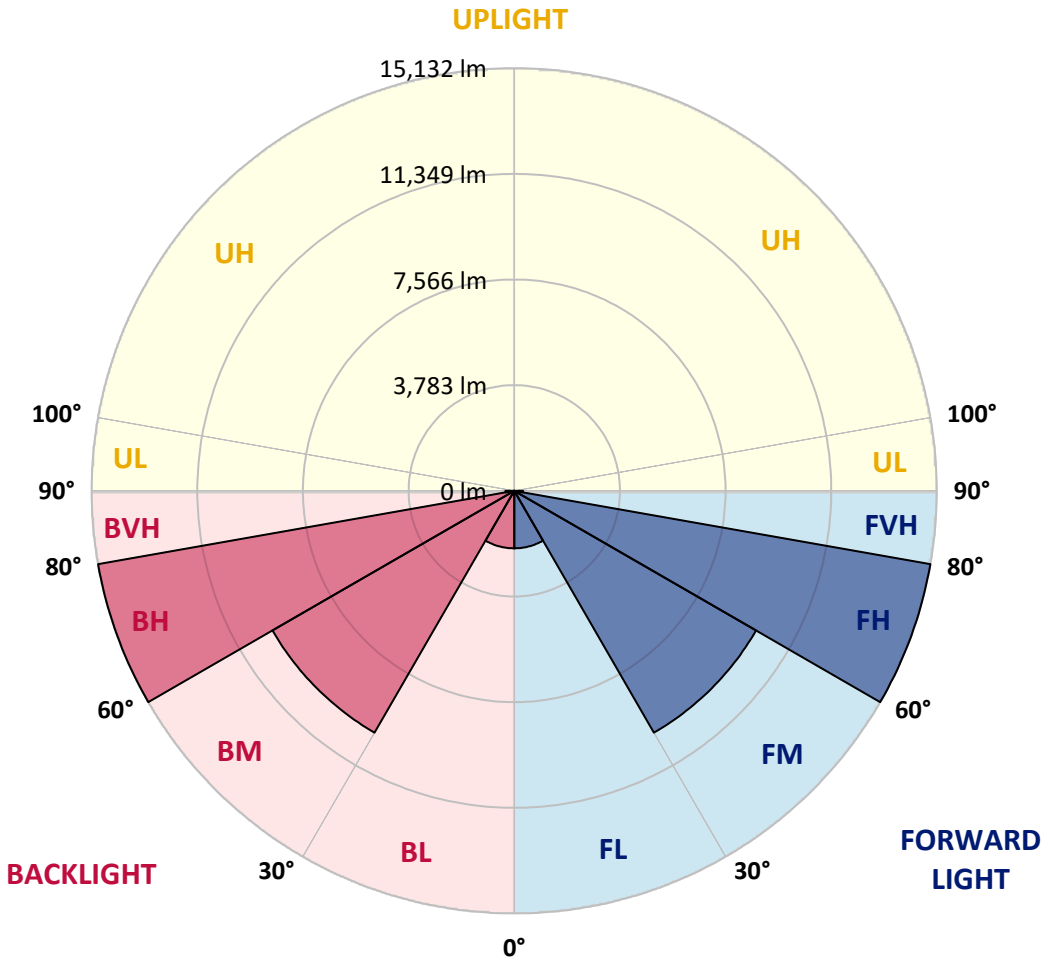
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2059.1	3.7			
FM	(30°-60°)	9998.8	18.2			
FH	(60°-80°)	15132.2	27.5			G5
FVH	(80°-90°)	314.4	0.6			G3/500
BL	(0°-30°)	2059.1	3.7	B3/2500		
BM	(30°-60°)	9998.8	18.2	B5		
BH	(60°-80°)	15132.2	27.5	B5		G5
BVH	(80°-90°)	314.4	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5017.9	5017.9	5017.9	5017.9	5017.9	5017.9	5017.9	5017.9	5017.9	5017.9
2.5°	4986.5	5000.8	4995.1	4983.6	4983.6	4975.0	4983.6	4989.3	4997.9	5003.6
5°	4920.7	4932.2	4929.3	4920.7	4923.6	4915.0	4920.7	4929.3	4935.0	4937.9
7.5°	4863.5	4875.0	4869.2	4855.0	4855.0	4846.4	4849.2	4857.8	4866.4	4869.2
10°	4849.2	4860.7	4843.5	4820.6	4812.1	4800.6	4803.5	4812.1	4829.2	4837.8
12.5°	4855.0	4863.5	4846.4	4812.1	4803.5	4792.1	4792.1	4800.6	4823.5	4834.9
15°	4872.1	4880.7	4855.0	4817.8	4809.2	4800.6	4797.8	4809.2	4834.9	4855.0
17.5°	4903.6	4912.1	4872.1	4820.6	4809.2	4812.1	4809.2	4817.8	4857.8	4895.0
20°	4932.2	4937.9	4883.5	4820.6	4809.2	4812.1	4809.2	4826.4	4877.8	4929.3
22.5°	4940.7	4946.4	4895.0	4840.7	4832.1	4834.9	4832.1	4849.2	4897.8	4949.3
25°	4943.6	4952.2	4912.1	4869.2	4883.5	4889.3	4883.5	4886.4	4923.6	4969.3
27.5°	4986.5	4997.9	4960.7	4923.6	4932.2	4929.3	4937.9	4946.4	4975.0	5020.8
30°	5075.1	5083.7	5052.2	5015.1	5009.4	4989.3	5015.1	5043.7	5075.1	5115.1
32.5°	5220.9	5238.1	5198.1	5158.0	5132.3	5120.9	5140.9	5189.5	5232.4	5275.3
35°	5464.0	5475.4	5438.2	5363.9	5318.1	5318.1	5335.3	5398.2	5466.8	5521.2
37.5°	5807.1	5821.4	5755.6	5667.0	5598.3	5598.3	5621.2	5687.0	5789.9	5867.1
40°	6224.5	6244.5	6161.6	6070.1	6004.4	5992.9	6021.5	6095.9	6193.1	6290.3
42.5°	6727.7	6750.6	6642.0	6561.9	6510.4	6510.4	6524.7	6593.4	6682.0	6802.1
45°	7371.1	7411.1	7262.4	7182.4	7133.7	7145.2	7153.8	7213.8	7293.9	7431.1
47.5°	8137.3	8177.4	8020.1	7937.2	7928.6	7982.9	7948.6	7991.5	8034.4	8191.7
50°	9006.5	9075.2	8966.5	8960.8	8977.9	9078.0	8998.0	9020.8	8972.2	9072.3
52.5°	10070.2	10170.2	10150.2	10184.5	10376.1	10582.0	10399.0	10318.9	10135.9	10167.4
55°	11359.7	11511.2	11539.8	11745.7	12180.3	12600.6	12211.7	11888.6	11499.8	11428.3
57.5°	12826.5	12946.5	13083.8	13504.1	14316.1	15062.4	14316.1	13601.3	12989.4	12843.6
60°	14404.7	14553.4	14684.9	15305.4	16512.0	17561.3	16489.1	15354.0	14544.8	14347.6
62.5°	16100.3	16291.8	16383.3	17072.4	18479.1	19731.5	18499.1	17123.9	16226.1	16014.5
65°	17727.2	17884.4	17987.3	18722.2	20066.0	21321.2	20157.5	18802.2	17878.7	17601.3
67.5°	18484.8	18570.6	18822.2	19654.3	21072.4	22504.9	21312.6	19742.9	18710.7	18224.7
70°	17375.5	17201.1	17807.2	19139.6	21192.5	23231.1	21467.0	19099.6	17835.8	17046.7
72.5°	13426.9	13126.7	14178.9	16457.7	19820.1	22768.0	19957.3	16586.3	14833.6	13232.5
75°	7305.3	6965.1	8417.5	11299.6	15805.8	19734.3	16168.9	11622.7	9372.5	7251.0
77.5°	2061.5	1932.8	3105.1	5466.8	9506.9	13855.8	9872.9	5586.9	3682.7	2184.4
80°	631.9	611.9	829.2	1646.9	4037.2	6636.2	3880.0	1666.9	1055.1	666.2
82.5°	374.6	343.1	411.7	600.4	1029.3	2084.4	1000.7	626.2	503.2	337.4
85°	214.4	200.1	243.0	291.6	346.0	443.2	288.8	297.4	268.8	180.1
87.5°	88.6	80.1	94.4	91.5	80.1	102.9	77.2	91.5	108.7	71.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

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90°
5017.9
5000.8
4937.9
4869.2
4837.8
4837.8
4857.8
4895.0
4932.2
4949.3
4966.5
5009.4
5106.6
5258.1
5501.1
5838.5
6258.8
6793.5
7425.4
8145.9
9012.3
10061.6
11316.8
12740.7
14176.0
15842.9
17464.1
18230.4
17235.4
13629.9
7722.7
2427.5
703.4
366.0
188.7
65.8
0.0

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