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: P955271

Luminaire Tested: **GLAN-SB8B-740-U-RW**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P955271
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB8B-740-U-RW
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(8) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	49606 lumens
Efficiency:	N/A
Efficacy:	169.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B5 - 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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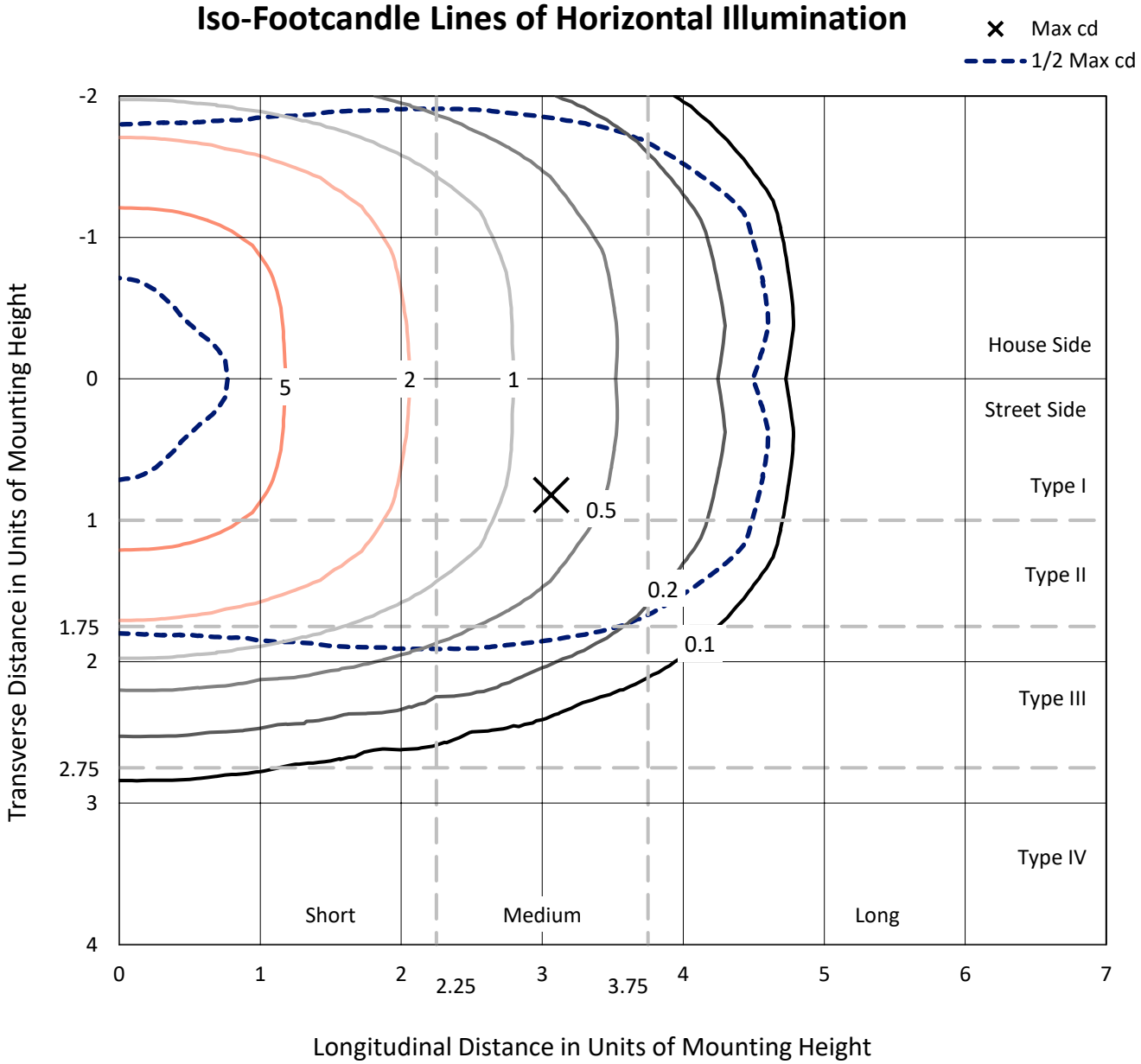
Iso-Footcandle Lines of Horizontal Illumination



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

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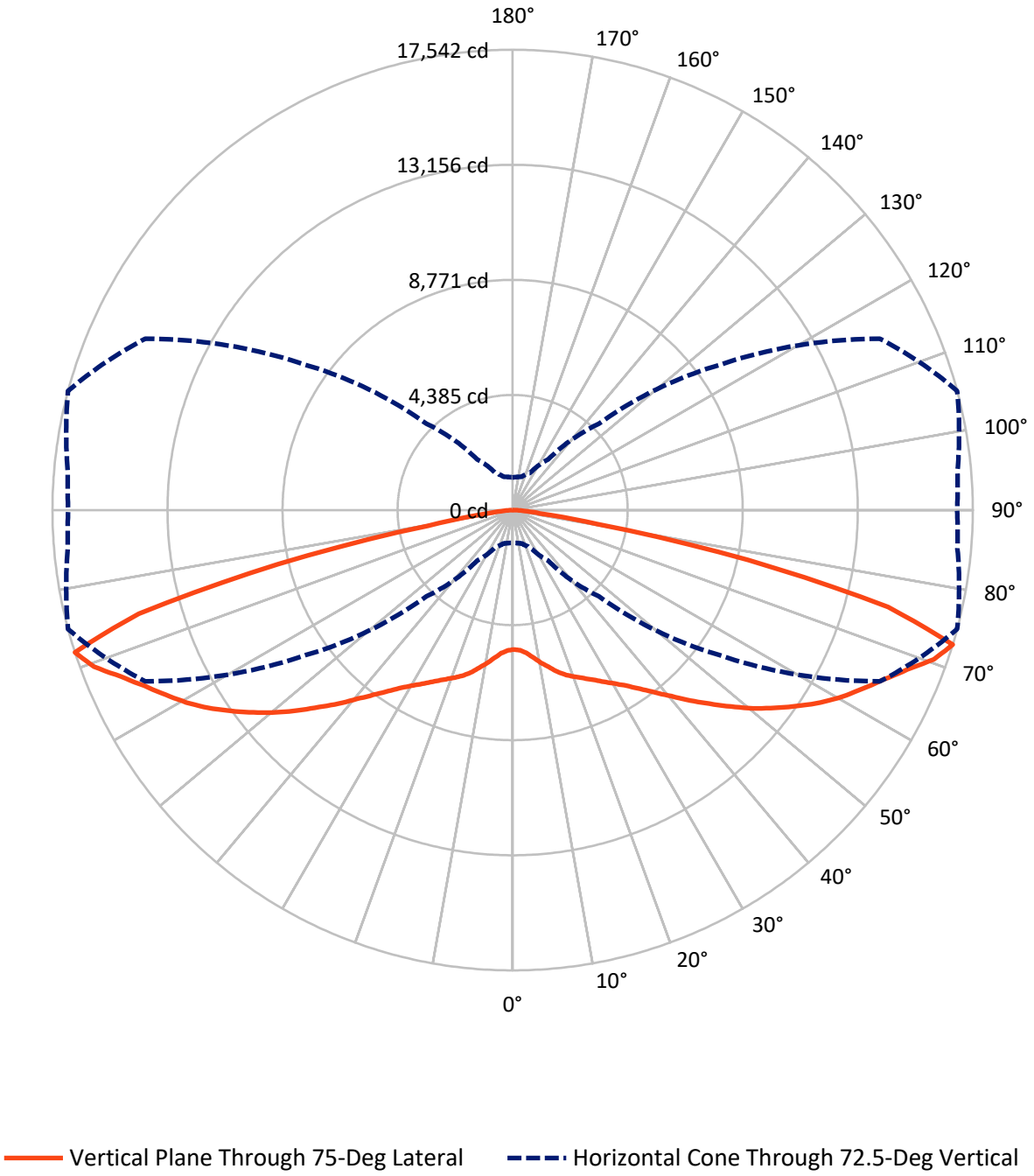
Luminous Intensity Polar Plot



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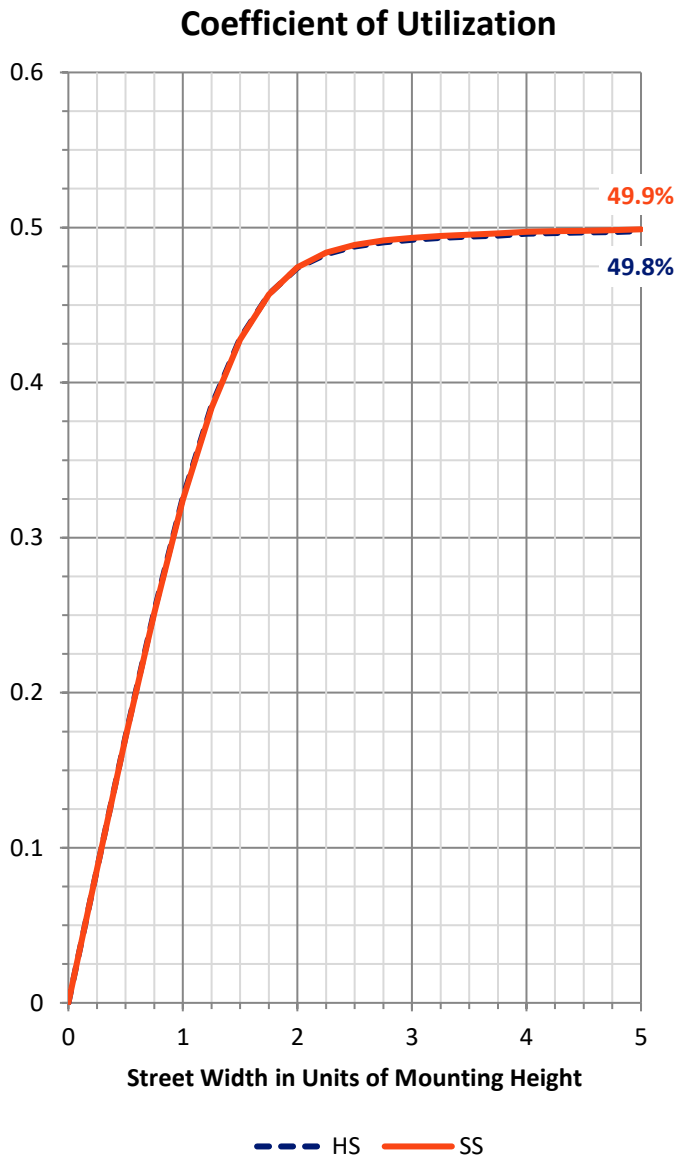
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24803.0	0.0	24803.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24803.0	0.0	24803.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	49606.0	0.0	49606.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.5	1.0
10°-20°	1716.8	3.5
20°-30°	3317.3	6.7
30°-40°	5601.5	11.3
40°-50°	8883.4	17.9
50°-60°	11893.8	24.0
60°-70°	11319.1	22.8
70°-80°	5906.5	11.9
80°-90°	447.1	0.9
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°	49606.0	100.0
0°-180°	49606.0	100.0



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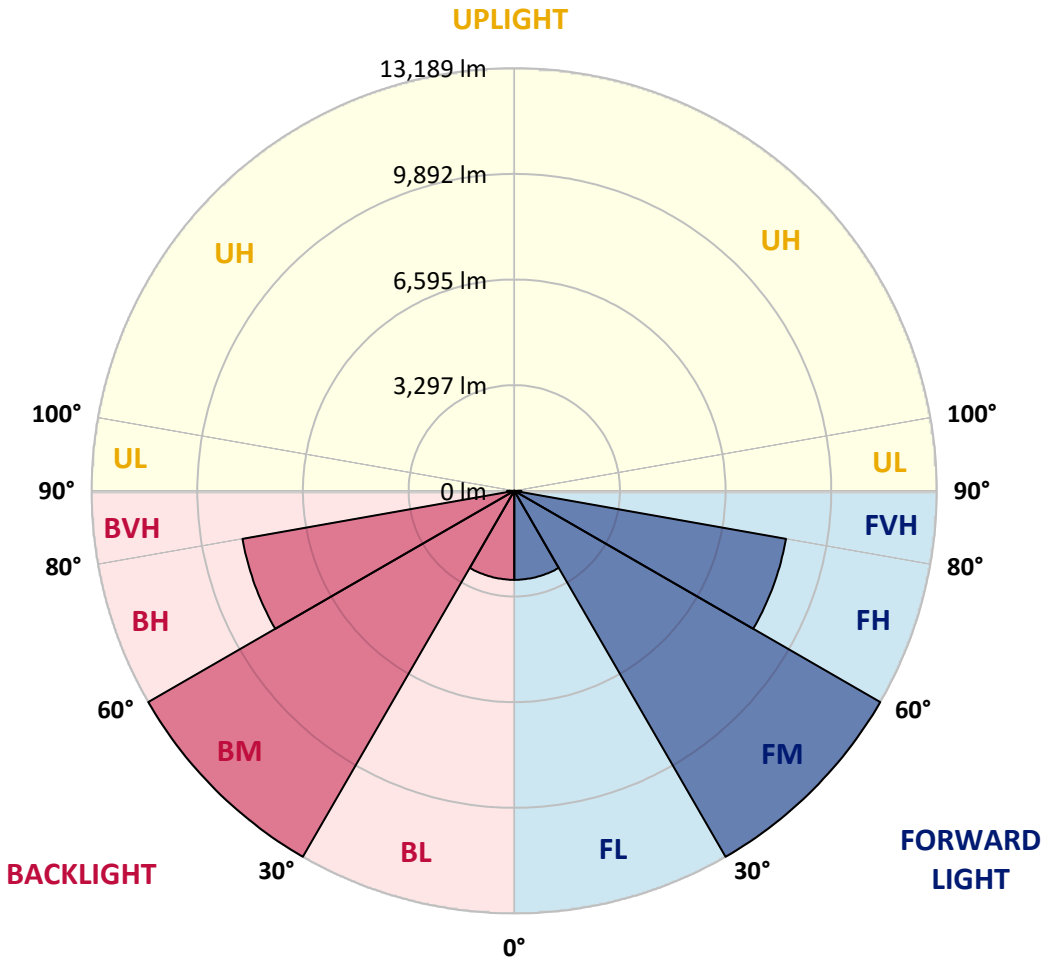
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2777.3	5.6			
FM	(30°-60°)	13189.3	26.6			
FH	(60°-80°)	8612.8	17.4			G4/12000
FVH	(80°-90°)	223.5	0.5			G2/225
BL	(0°-30°)	2777.3	5.6	B4/5000		
BM	(30°-60°)	13189.3	26.6	B5		
BH	(60°-80°)	8612.8	17.4	B5		G5
BVH	(80°-90°)	223.5	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5313.7	5313.7	5313.7	5313.7	5313.7	5313.7	5313.7	5313.7	*5313.7*	5313.7
2.5°	5313.7	5308.6	5313.7	5318.8	5316.2	5316.2	5328.9	5336.5	*5351.7*	5349.1
5°	5278.2	5275.7	5296.0	5318.8	5336.5	5366.9	5404.9	5432.7	*5468.2*	5475.8
7.5°	5260.5	5252.9	5288.4	5328.9	5384.6	5460.6	5534.0	5610.0	*5670.8*	5691.1
10°	5273.2	5275.7	5323.8	5399.8	5488.4	5594.8	5698.7	5827.8	*5914.0*	5934.2
12.5°	5331.4	5326.4	5407.4	5529.0	5650.5	5784.8	5906.4	6048.2	*6141.9*	6190.0
15°	5437.8	5427.7	5541.6	5721.5	5898.8	6055.8	6154.6	6288.8	*6397.7*	6458.5
17.5°	5564.4	5569.5	5718.9	5951.9	6185.0	6362.2	6456.0	6524.3	*6607.9*	6661.1
20°	5787.3	5797.4	5964.6	6240.7	6506.6	6709.2	6785.2	6759.9	*6782.7*	6823.2
22.5°	6086.2	6091.2	6278.7	6577.5	6856.1	7079.0	7129.7	7025.8	*6962.5*	6990.4
25°	6433.2	6466.1	6653.5	6960.0	7246.2	7458.9	7481.7	7324.7	*7167.7*	7175.3
27.5°	6856.1	6886.5	7076.5	7380.4	7671.7	7856.6	7854.0	7643.8	*7413.3*	7355.1
30°	7314.6	7347.5	7542.5	7856.6	8127.6	8289.7	8254.2	8003.5	*7674.2*	7565.3
32.5°	7859.1	7879.4	8076.9	8391.0	8641.7	8770.9	8697.4	8388.4	*7978.1*	7854.0
35°	8517.6	8548.0	8694.9	8991.2	9211.6	9318.0	9193.8	8829.1	*8368.2*	8228.9
37.5°	9269.8	9249.6	9416.7	9680.1	9862.5	9928.3	9758.7	9325.6	*8813.9*	8649.3
40°	10055.0	10044.9	10227.2	10480.5	10579.3	10619.8	10369.0	9895.4	*9328.1*	9150.8
42.5°	10766.7	10759.1	11004.8	11285.9	11404.9	11359.3	11042.8	10500.7	*9923.3*	9720.7
45°	11336.5	11326.4	11627.8	12022.9	12255.9	12180.0	11754.5	11169.4	*10526.1*	10315.9
47.5°	11774.7	11779.8	12104.0	12592.8	13000.6	13028.4	12481.3	11850.7	*11189.6*	10951.6
50°	12091.3	12106.5	12453.5	12995.5	13552.7	13798.4	13223.4	12549.7	*11876.0*	11607.6
52.5°	12169.8	12197.7	12615.6	13251.3	13907.3	14375.8	13978.2	13220.9	*12526.9*	12271.1
55°	11751.9	11807.6	12337.0	13231.0	14125.1	14755.7	14641.8	13902.2	*13182.9*	12919.5
57.5°	10792.0	10870.5	11488.5	12656.1	14077.0	15016.6	15155.9	14555.7	*13838.9*	13585.6
60°	9447.1	9540.8	10133.5	11407.5	13398.2	15112.9	15518.1	15191.4	*14441.7*	14196.0
62.5°	7418.4	7540.0	8249.1	9743.5	11964.7	14664.6	15827.1	15766.3	*14983.7*	14677.2
65°	4759.0	4888.2	5635.3	7400.7	10052.4	13291.8	15923.3	16326.0	*15556.1*	15128.1
67.5°	2869.6	2927.8	3297.6	4485.5	7347.5	11222.6	15107.8	16946.6	*16224.7*	15692.9
70°	1836.2	1869.2	2089.5	2634.1	4153.7	8188.4	13086.7	17063.1	*17035.2*	16272.9
72.5°	*1246.1*	*1256.2*	*1314.5*	*1560.2*	*2350.4*	*4652.6*	*9652.3*	*15447.2*	*17541.8*	*17020.0*
75°	911.8	967.5	1061.2	1104.3	1334.8	2325.1	5531.5	10852.8	*14783.6*	15011.6
77.5°	678.8	681.3	810.5	861.1	952.3	1238.5	2340.3	6058.3	*9178.7*	9637.1
80°	574.9	544.5	542.0	694.0	716.8	772.5	1046.0	2092.0	*3287.5*	1993.3
82.5°	478.7	445.8	402.7	542.0	488.8	473.6	453.4	851.0	*1046.0*	514.1
85°	334.3	319.1	303.9	354.6	278.6	238.1	217.8	397.6	*440.7*	217.8
87.5°	144.4	149.4	152.0	157.0	116.5	83.6	83.6	111.4	*111.4*	86.1
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°
5313.7
5346.6
5475.8
5696.1
5954.5
6210.3
6481.3
6686.4
6853.6
7010.6
7187.9
7372.8
7578.0
7884.4
8249.1
8679.7
9209.0
9771.3
10364.0
11022.5
11688.6
12337.0
12993.0
13643.9
14249.2
14712.7
15181.2
15733.4
16267.8
16939.0
14459.4
8596.1
1507.0
438.2
192.5
63.3
0.0

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