Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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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: P955078

Luminaire Tested: **GLAN-SB8A-927-U-5MQ**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P955078
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB8A-927-U-5MQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23122 lumens
Efficiency:	N/A
Efficacy:	101.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G3

Input Watts (W):	227.1
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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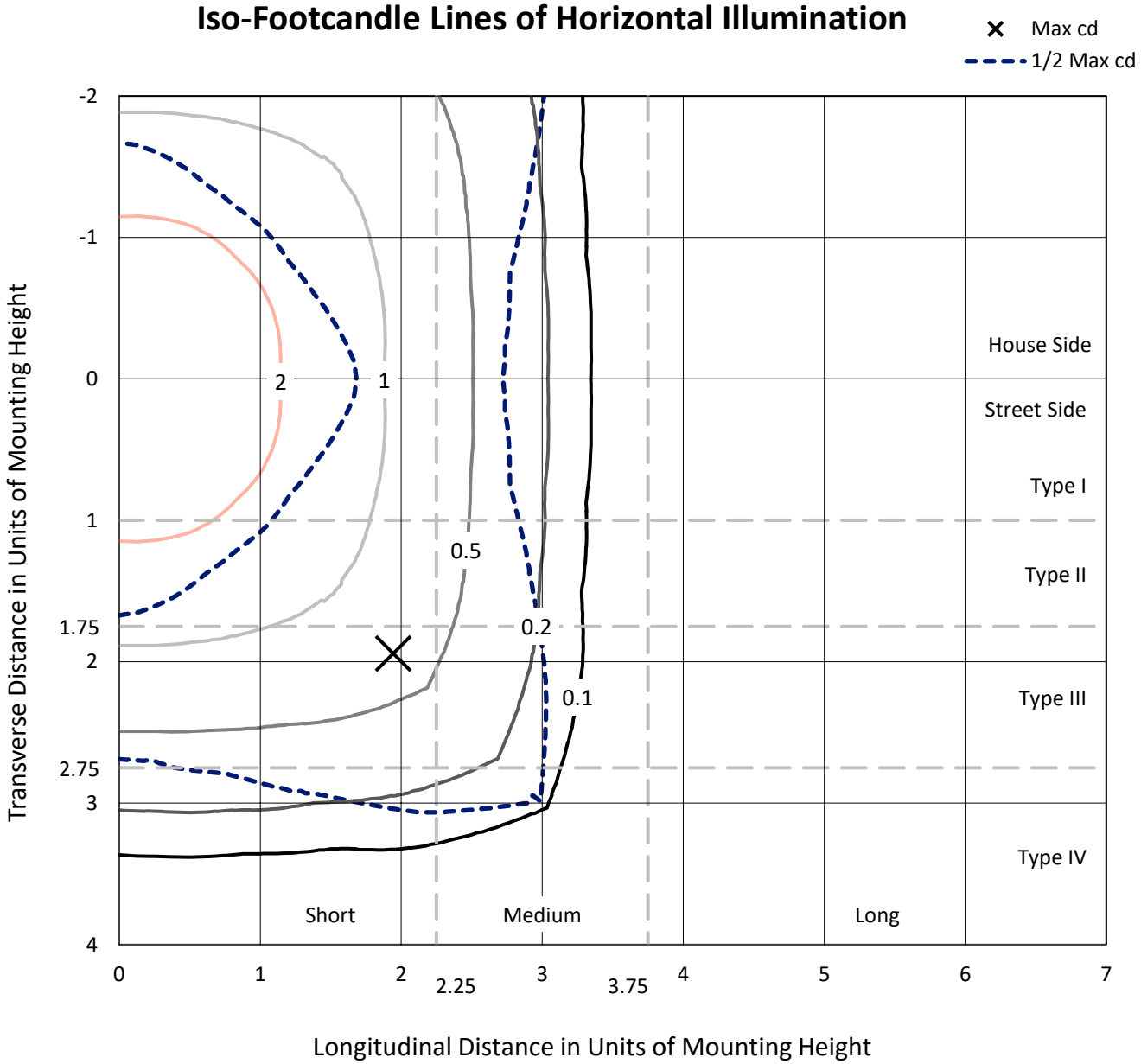
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
Type V - Short - N/A

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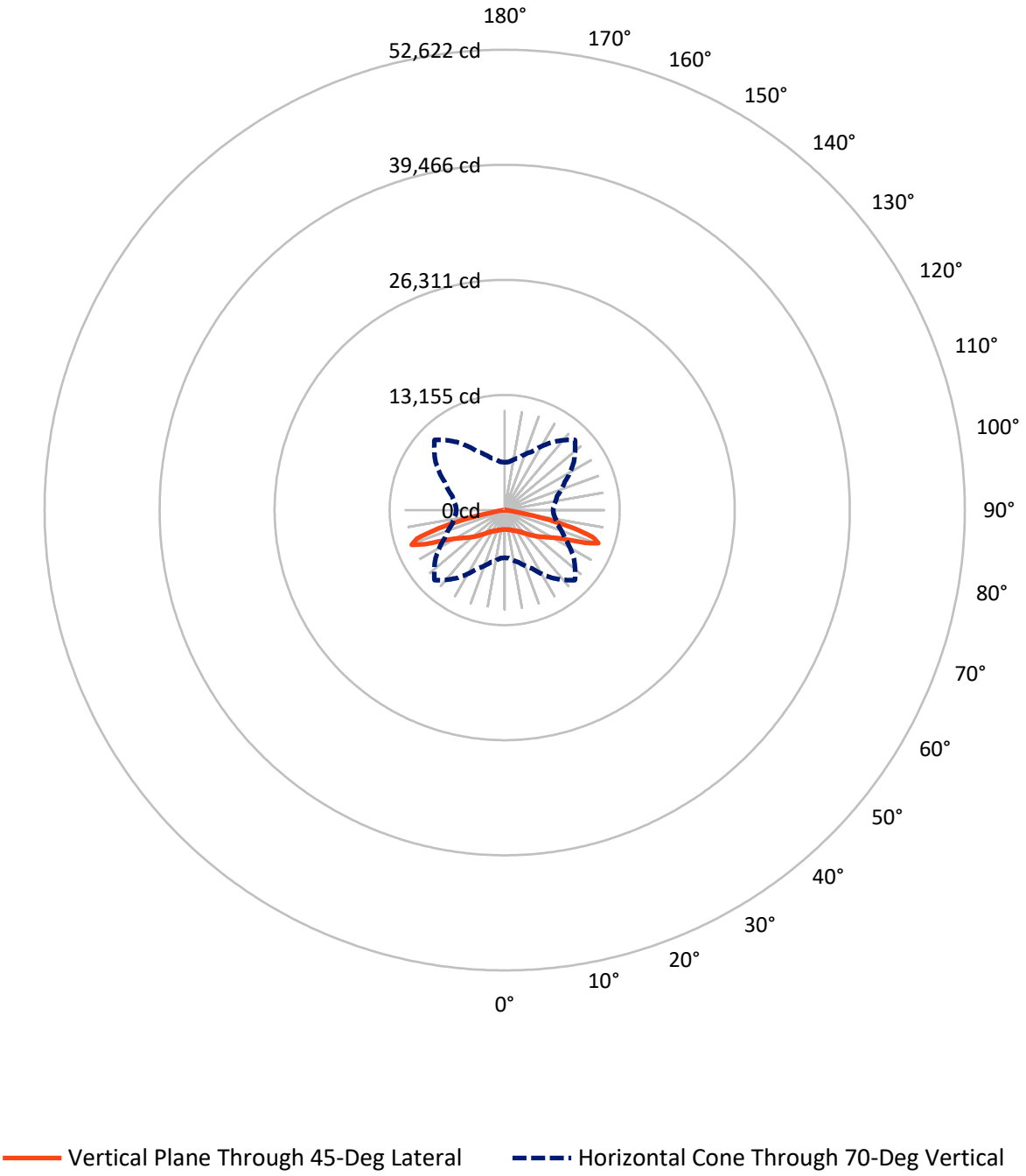
Luminous Intensity Polar Plot



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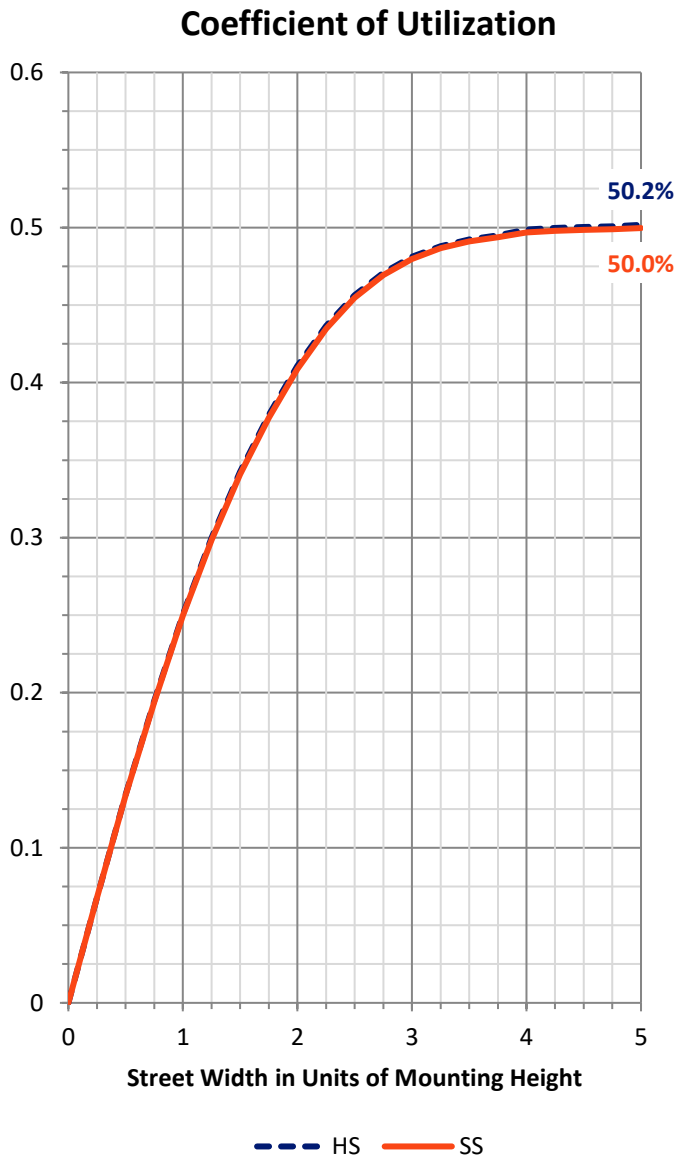
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11561.0	0.0	11561.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11561.0	0.0	11561.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23122.0	0.0	23122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.2	0.9
10°-20°	667.2	2.9
20°-30°	1192.4	5.2
30°-40°	1932.9	8.4
40°-50°	3148.3	13.6
50°-60°	4800.2	20.8
60°-70°	7141.1	30.9
70°-80°	3892.1	16.8
80°-90°	132.5	0.6
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°	23122.0	100.0
0°-180°	23122.0	100.0



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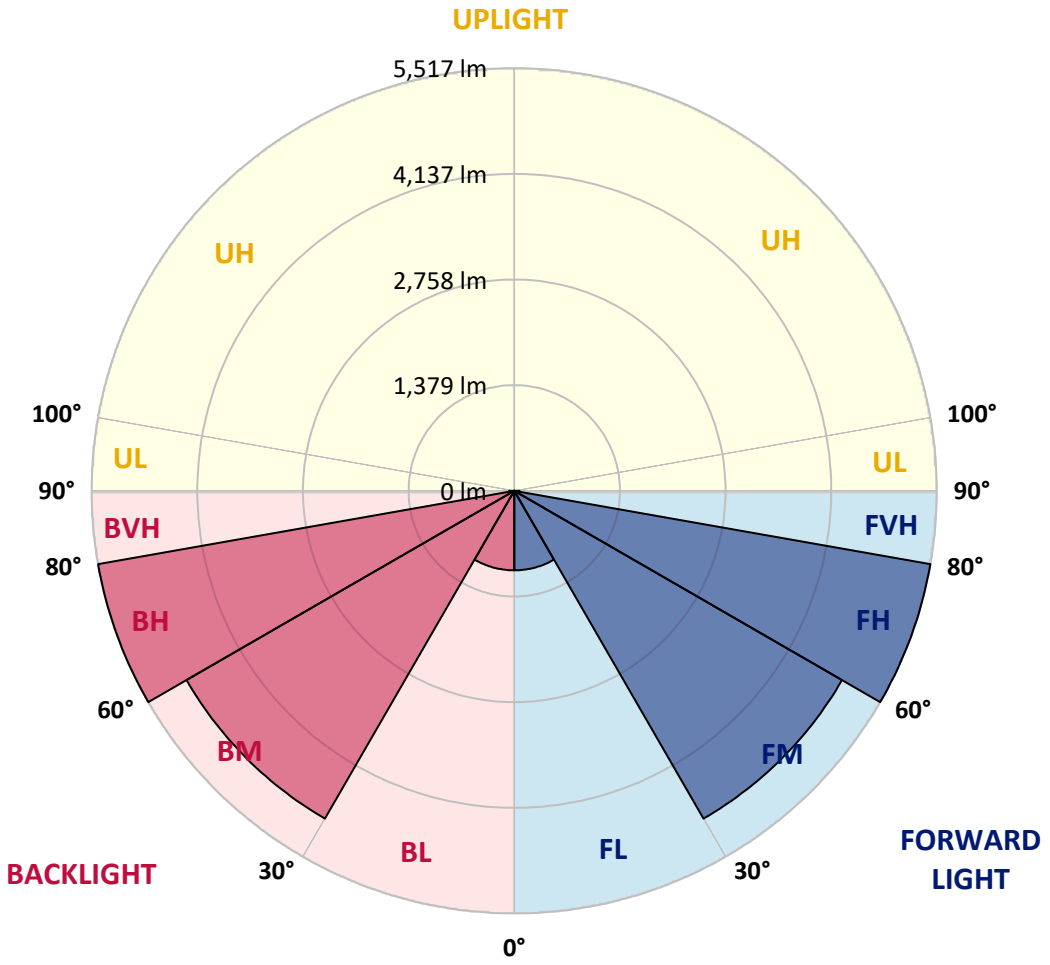
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1037.4	4.5			
FM	(30°-60°)	4940.7	21.4			
FH	(60°-80°)	5516.6	23.9			G3/7500
FVH	(80°-90°)	66.3	0.3			G1/100
BL	(0°-30°)	1037.4	4.5	B3/2500		
BM	(30°-60°)	4940.7	21.4	B3/5000		
BH	(60°-80°)	5516.6	23.9	B5		G3/7500
BVH	(80°-90°)	66.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2214.8	2214.8	2214.8	2214.8	2214.8	2214.8	2214.8	2214.8	2214.8	2214.8
2.5°	2225.3	2227.6	2223.0	2220.7	2218.3	2214.8	2216.0	2221.8	2226.5	2225.3
5°	2243.9	2246.2	2242.7	2241.5	2236.9	2235.7	2235.7	2241.5	2245.0	2242.7
7.5°	2264.8	2268.2	2262.4	2261.3	2259.0	2256.6	2255.5	2261.3	2264.8	2264.8
10°	2284.5	2288.0	2283.3	2279.9	2277.5	2277.5	2275.2	2279.9	2285.7	2284.5
12.5°	2305.4	2307.7	2303.1	2300.7	2300.7	2304.2	2300.7	2303.1	2307.7	2305.4
15°	2330.9	2332.1	2330.9	2334.4	2340.2	2351.8	2341.4	2339.1	2341.4	2335.6
17.5°	2365.8	2368.1	2372.7	2380.8	2389.0	2409.9	2391.3	2385.5	2385.5	2373.9
20°	2408.7	2412.2	2419.2	2433.1	2443.5	2463.3	2444.7	2436.6	2433.1	2418.0
22.5°	2454.0	2459.8	2470.2	2488.8	2507.4	2525.9	2507.4	2493.4	2483.0	2463.3
25°	2506.2	2513.2	2529.4	2559.6	2585.2	2611.8	2589.8	2561.9	2541.0	2513.2
27.5°	2580.5	2588.6	2608.4	2645.5	2678.0	2701.2	2680.3	2644.4	2615.3	2581.7
30°	2685.0	2693.1	2716.3	2755.8	2777.8	2792.9	2779.0	2751.1	2716.3	2678.0
32.5°	2819.6	2830.1	2855.6	2892.8	2897.4	2899.7	2895.1	2881.2	2855.6	2809.2
35°	2990.3	3001.9	3030.9	3061.1	3056.4	3061.1	3054.1	3049.5	3030.9	2977.5
37.5°	3199.2	3213.2	3243.3	3266.6	3254.9	3249.1	3250.3	3251.5	3241.0	3181.8
40°	3441.8	3460.4	3482.5	3506.8	3487.1	3469.7	3481.3	3490.6	3481.3	3420.9
42.5°	3691.4	3718.1	3741.3	3776.2	3759.9	3737.8	3754.1	3764.5	3744.8	3679.8
45°	3968.9	3994.4	4024.6	4076.8	4065.2	4042.0	4065.2	4067.5	4033.9	3957.2
47.5°	4255.6	4282.3	4327.5	4397.2	4392.6	4367.0	4397.2	4380.9	4338.0	4246.3
50°	4527.2	4564.4	4634.0	4731.5	4740.8	4709.5	4750.1	4718.7	4646.8	4531.8
52.5°	4782.6	4822.1	4932.3	5064.7	5098.3	5057.7	5112.3	5057.7	4949.7	4802.3
55°	5050.7	5094.8	5226.0	5399.0	5466.3	5436.1	5487.2	5404.8	5251.6	5072.8
57.5°	5366.5	5393.2	5549.9	5755.4	5869.1	5876.1	5899.3	5760.0	5574.3	5371.1
60°	5708.9	5746.1	5916.7	6162.8	6342.7	6400.8	6376.4	6169.8	5953.9	5720.5
62.5°	6147.7	6188.3	6392.6	6687.5	6971.9	7115.8	7020.7	6721.2	6454.2	6174.4
65°	6511.1	6556.3	6925.5	7451.3	7969.0	8258.1	8019.0	7467.6	6987.0	6592.3
67.5°	6247.5	6303.3	6882.5	7848.3	9135.7	9998.2	9179.8	7966.7	7025.3	6490.2
70°	5460.5	5512.7	6188.3	7368.9	9464.2	11354.0	9661.5	7586.0	6210.4	5611.4
72.5°	3625.2	3793.6	4477.3	5893.5	8450.8	10506.6	8534.4	5773.9	4153.4	3617.1
75°	1202.6	1337.3	1803.9	3055.3	5660.2	7857.6	5388.5	2703.6	1429.0	1028.5
77.5°	303.0	349.4	481.7	874.1	2257.8	4473.8	2032.6	713.9	388.9	271.6
80°	147.4	162.5	232.2	291.4	565.3	1422.0	530.5	274.0	183.4	141.6
82.5°	81.3	82.4	131.2	164.8	210.1	368.0	218.2	160.2	105.6	85.9
85°	49.9	48.8	69.6	88.2	88.2	131.2	104.5	88.2	60.4	53.4
87.5°	19.7	19.7	25.5	27.9	24.4	33.7	26.7	29.0	23.2	22.1
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°
2214.8
2226.5
2243.9
2264.8
2284.5
2304.2
2335.6
2373.9
2418.0
2462.1
2512.0
2580.5
2678.0
2810.3
2977.5
3181.8
3420.9
3684.4
3965.4
4240.5
4529.5
4788.4
5048.4
5343.3
5683.4
6125.7
6527.3
6410.1
5531.3
3499.9
972.8
242.6
130.0
85.9
55.7
23.2
0.0

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