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

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: McGRAW-EDISON

Report Number: P953171

Luminaire Tested: **GALN-SB6D-760-U-RW**

Issue Date: 1/21/2025

Report Generated By 670246001

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

Test Information

Test Method:	LM-79-08
Report Number:	P953171
	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:	McGRAW-EDISON
Catalog Number:	GALN-SB6D-760-U-RW
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	67228 lumens
Efficiency:	N/A
Efficacy:	152.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B5 - U0 - G5
Input Watts (W):	440.1
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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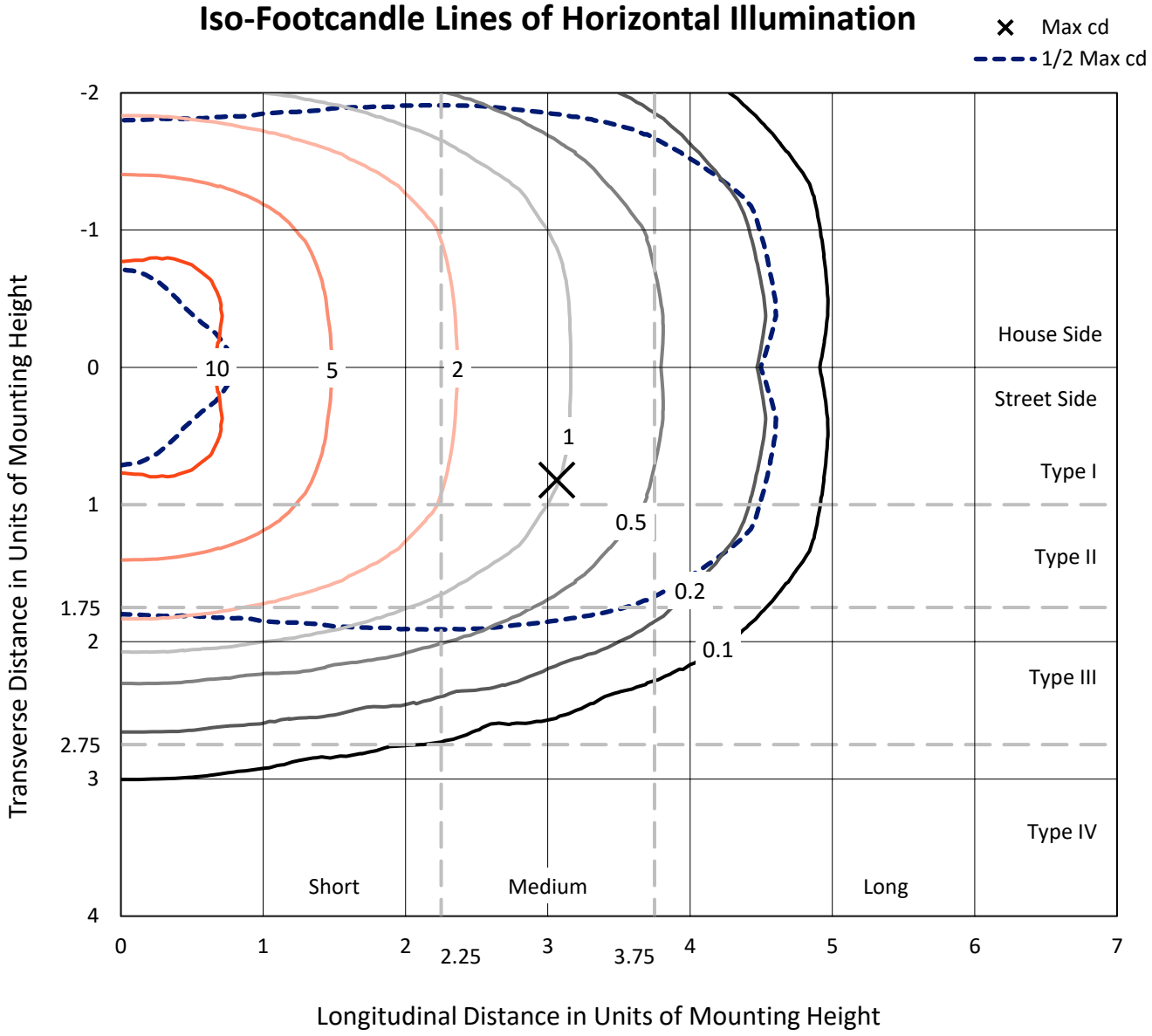
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
Type III - Medium - N/A

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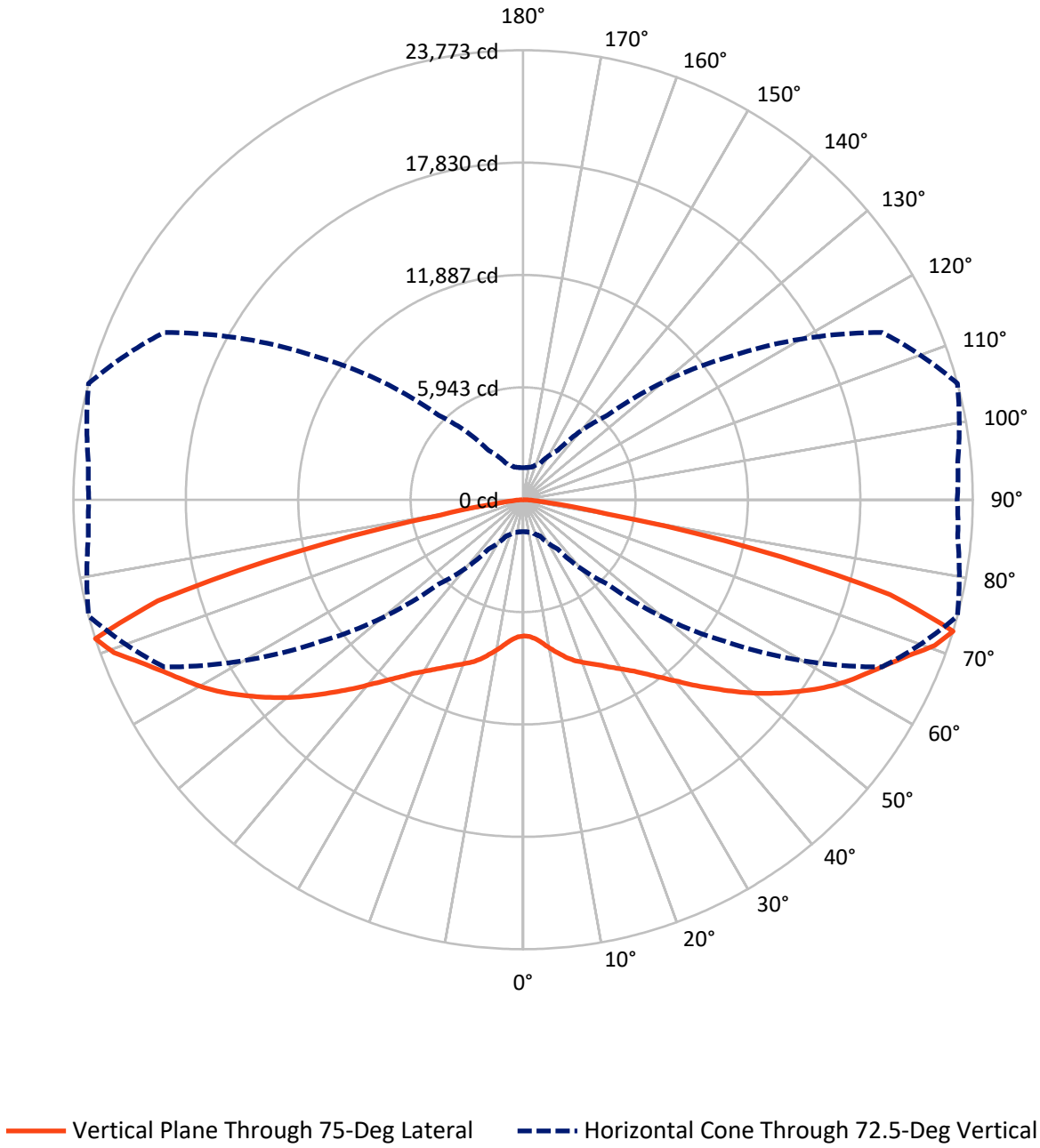
Luminous Intensity Polar Plot



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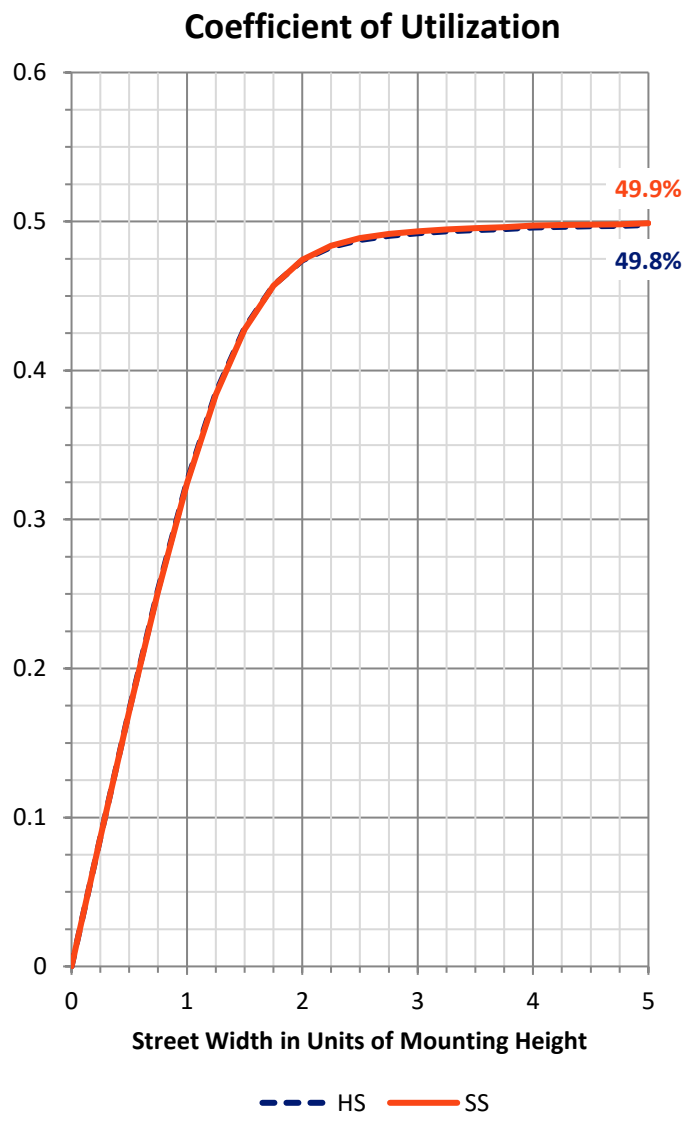
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33614.0	0.0	33614.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33614.0	0.0	33614.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	67228.0	0.0	67228.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.4	1.0
10°-20°	2326.7	3.5
20°-30°	4495.8	6.7
30°-40°	7591.4	11.3
40°-50°	12039.1	17.9
50°-60°	16119.0	24.0
60°-70°	15340.1	22.8
70°-80°	8004.7	11.9
80°-90°	605.9	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°	67228.0	100.0
0°-180°	67228.0	100.0



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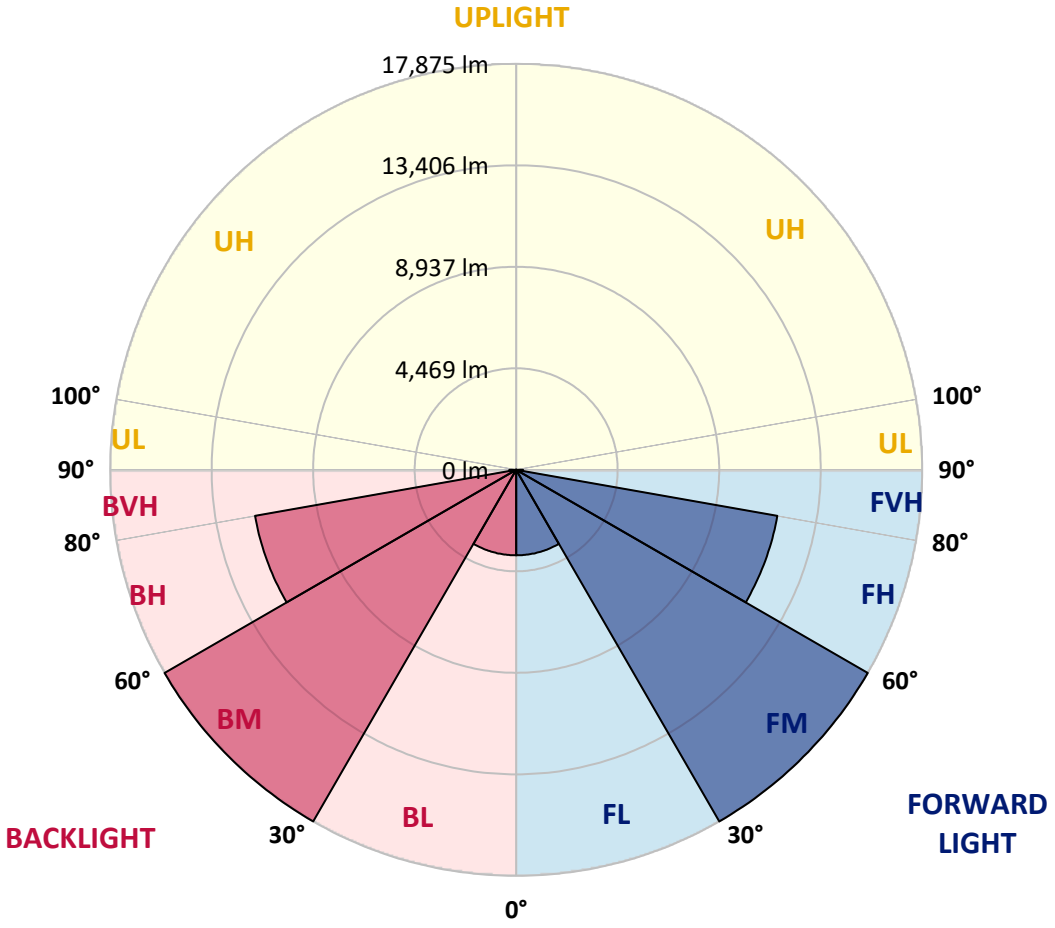
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3763.9	5.6			
FM	(30°-60°)	17874.7	26.6			
FH	(60°-80°)	11672.4	17.4			G4/12000
FVH	(80°-90°)	303.0	0.5			G3/500
BL	(0°-30°)	3763.9	5.6	B4/5000		
BM	(30°-60°)	17874.7	26.6	B5		
BH	(60°-80°)	11672.4	17.4	B5		G5
BVH	(80°-90°)	303.0	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7201.3	7201.3	7201.3	7201.3	7201.3	7201.3	7201.3	7201.3	*7201.3*	7201.3
2.5°	7201.3	7194.5	7201.3	7208.2	7204.8	7204.8	7221.9	7232.2	*7252.8*	7249.4
5°	7153.3	7149.8	7177.3	7208.2	7232.2	7273.4	7324.9	7362.6	*7410.7*	7421.0
7.5°	7129.2	7118.9	7167.0	7221.9	7297.4	7400.4	7499.9	7602.9	*7685.3*	7712.8
10°	7146.4	7149.8	7215.1	7318.0	7438.2	7582.3	7723.1	7898.1	*8014.8*	8042.3
12.5°	7225.3	7218.5	7328.3	7493.1	7657.8	7839.8	8004.5	8196.7	*8323.7*	8389.0
15°	7369.5	7355.8	7510.2	7753.9	7994.2	8207.0	8340.9	8522.8	*8670.4*	8752.8
17.5°	7541.1	7548.0	7750.5	8066.3	8382.1	8622.4	8749.4	8842.0	*8955.3*	9027.4
20°	7843.2	7856.9	8083.5	8457.6	8818.0	9092.6	9195.6	9161.3	*9192.2*	9247.1
22.5°	8248.2	8255.1	8509.1	8914.1	9291.7	9593.8	9662.4	9521.7	*9435.9*	9473.6
25°	8718.5	8763.1	9017.1	9432.4	9820.3	10108.6	10139.5	9926.7	*9713.9*	9724.2
27.5°	9291.7	9332.9	9590.3	10002.2	10397.0	10647.5	10644.1	10359.2	*10046.8*	9967.9
30°	9913.0	9957.6	10221.9	10647.5	11014.8	11234.5	11186.4	10846.6	*10400.4*	10252.8
32.5°	10651.0	10678.4	10946.1	11371.8	11711.6	11886.6	11787.1	11368.3	*10812.3*	10644.1
35°	11543.4	11584.6	11783.7	12185.3	12483.9	12628.1	12459.9	11965.6	*11340.9*	11152.1
37.5°	12562.8	12535.4	12761.9	13118.9	13366.0	13455.3	13225.3	12638.4	*11945.0*	11721.9
40°	13626.9	13613.2	13860.3	14203.6	14337.4	14392.3	14052.5	13410.7	*12641.8*	12401.5
42.5°	14591.4	14581.1	14914.1	15295.1	15456.4	15394.6	14965.6	14231.0	*13448.4*	13173.8
45°	15363.7	15350.0	15758.5	16293.9	16609.7	16506.7	15930.1	15137.2	*14265.3*	13980.5
47.5°	15957.6	15964.4	16403.8	17066.2	17618.9	17656.6	16915.2	16060.5	*15164.7*	14842.0
50°	16386.6	16407.2	16877.5	17612.0	18367.1	18700.1	17920.9	17007.9	*16094.9*	15731.0
52.5°	16493.0	16530.8	17097.1	17958.7	18847.7	19482.7	18943.8	17917.5	*16977.0*	16630.3
55°	15926.7	16002.2	16719.6	17931.2	19142.9	19997.6	19843.1	18840.8	*17866.0*	17509.0
57.5°	14625.8	14732.2	15569.7	17152.1	19077.7	20351.1	20539.9	19726.4	*18755.0*	18411.8
60°	12803.1	12930.1	13733.3	15459.8	18157.8	20481.5	21030.7	20588.0	*19571.9*	19239.0
62.5°	10053.7	10218.5	11179.6	13204.7	16215.0	19874.0	21449.5	21367.1	*20306.5*	19891.2
65°	6449.6	6624.7	7637.2	10029.7	13623.5	18013.6	21579.9	22125.7	*21082.2*	20502.1
67.5°	3889.0	3967.9	4469.1	6078.9	9957.6	15209.3	20474.7	22966.7	*21988.4*	21267.6
70°	2488.5	2533.2	2831.8	3569.8	5629.3	11097.2	17735.6	23124.6	*23086.8*	22053.6
72.5°	*1688.8*	*1702.5*	*1781.5*	*2114.4*	*3185.3*	*6305.4*	*13081.1*	*20934.6*	*23773.3*	*23066.2*
75°	1235.7	1311.2	1438.2	1496.6	1808.9	3151.0	7496.5	14708.1	*20035.3*	20344.3
77.5°	919.9	923.3	1098.4	1167.0	1290.6	1678.5	3171.6	8210.5	*12439.3*	13060.5
80°	779.2	738.0	734.5	940.5	971.4	1046.9	1417.6	2835.2	*4455.3*	2701.4
82.5°	648.7	604.1	545.8	734.5	662.5	641.9	614.4	1153.3	*1417.6*	696.8
85°	453.1	432.5	411.9	480.5	377.6	322.7	295.2	538.9	*597.2*	295.2
87.5°	195.7	202.5	205.9	212.8	157.9	113.3	113.3	151.0	*151.0*	116.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

(END C

90°
7201.3
7245.9
7421.0
7719.6
8069.7
8416.4
8783.7
9061.7
9288.3
9501.1
9741.4
9991.9
10270.0
10685.3
11179.6
11763.1
12480.5
13242.5
14045.7
14938.1
15840.8
16719.6
17608.6
18490.7
19311.1
19939.2
20574.2
21322.5
22046.8
22956.4
19596.0
11649.8
2042.3
593.8
260.9
85.8
0.0

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