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: McGRAW-EDISON

Report Number: P950735

Luminaire Tested: **GALN-SB5A-835-U-RW**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P950735
	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-SB5A-835-U-RW
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21643 lumens
Efficiency:	N/A
Efficacy:	152.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B4 - U0 - G4

Input Watts (W):	141.7
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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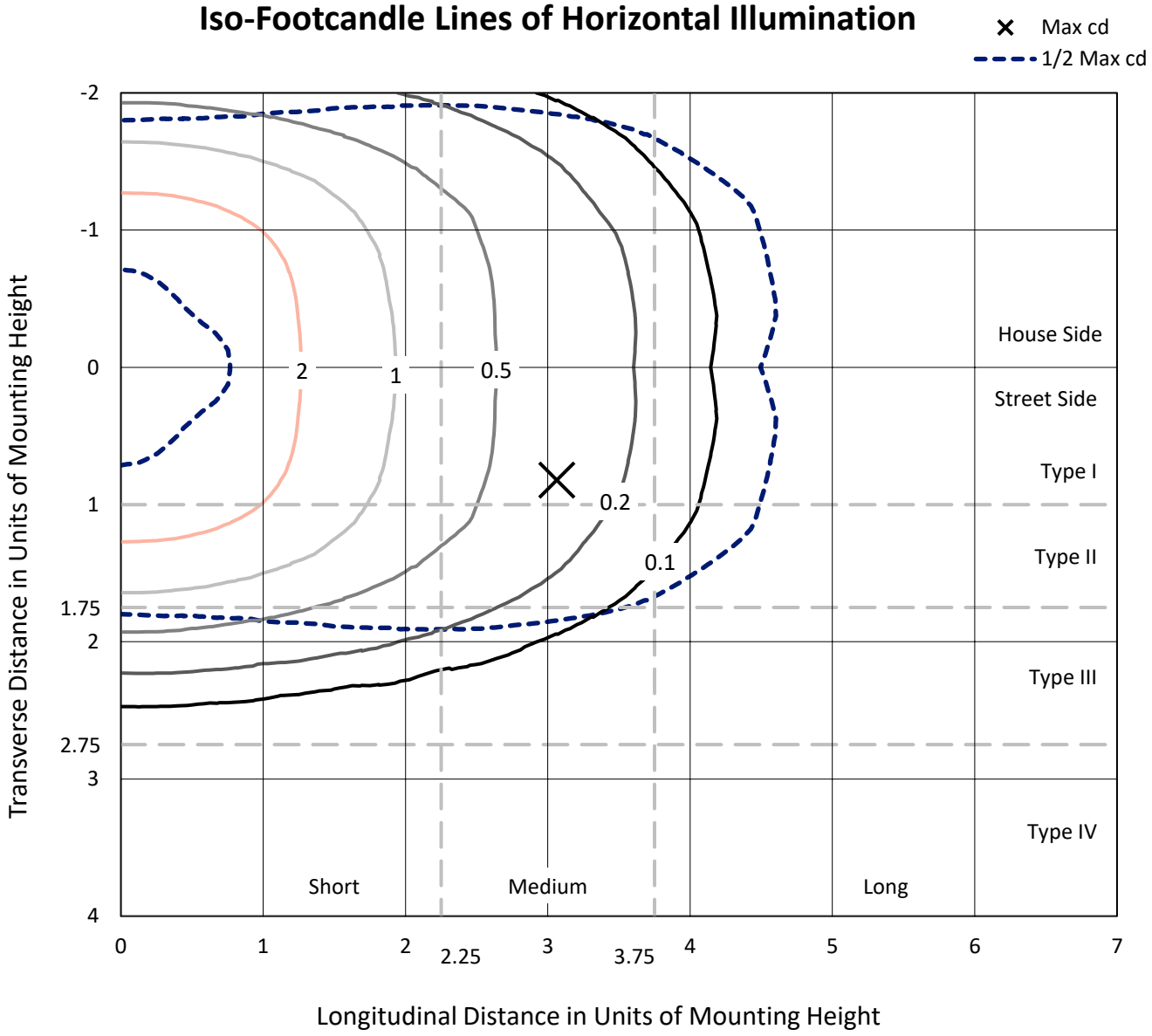
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
Type III - Medium - N/A

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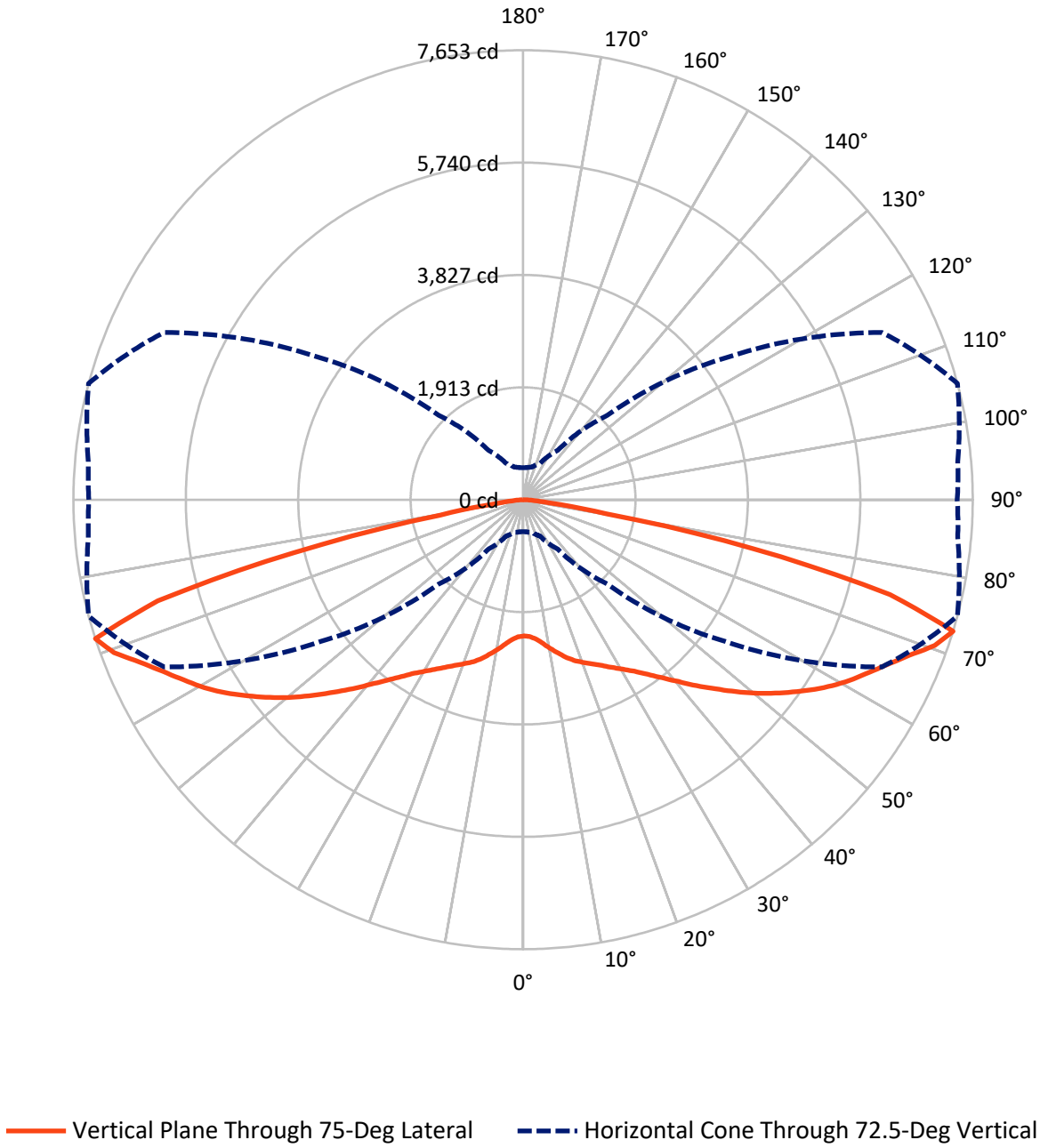
Luminous Intensity Polar Plot



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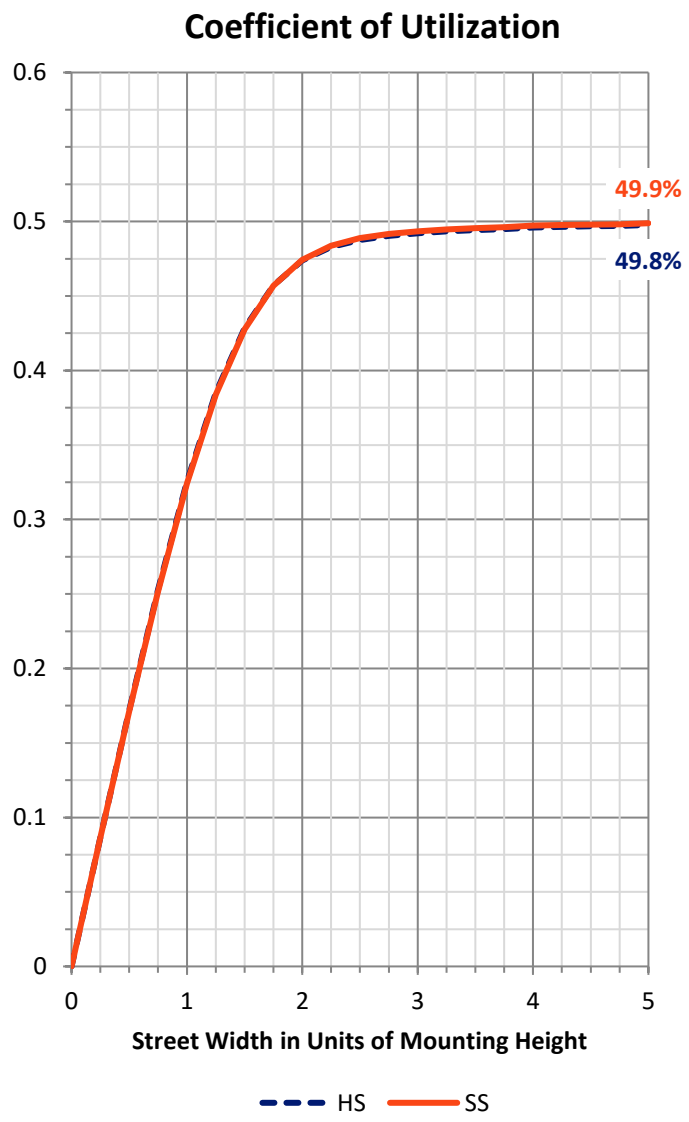
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10821.5	0.0	10821.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10821.5	0.0	10821.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21643.0	0.0	21643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	1.0
10°-20°	749.0	3.5
20°-30°	1447.3	6.7
30°-40°	2443.9	11.3
40°-50°	3875.8	17.9
50°-60°	5189.2	24.0
60°-70°	4938.5	22.8
70°-80°	2577.0	11.9
80°-90°	195.1	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°	21643.0	100.0
0°-180°	21643.0	100.0



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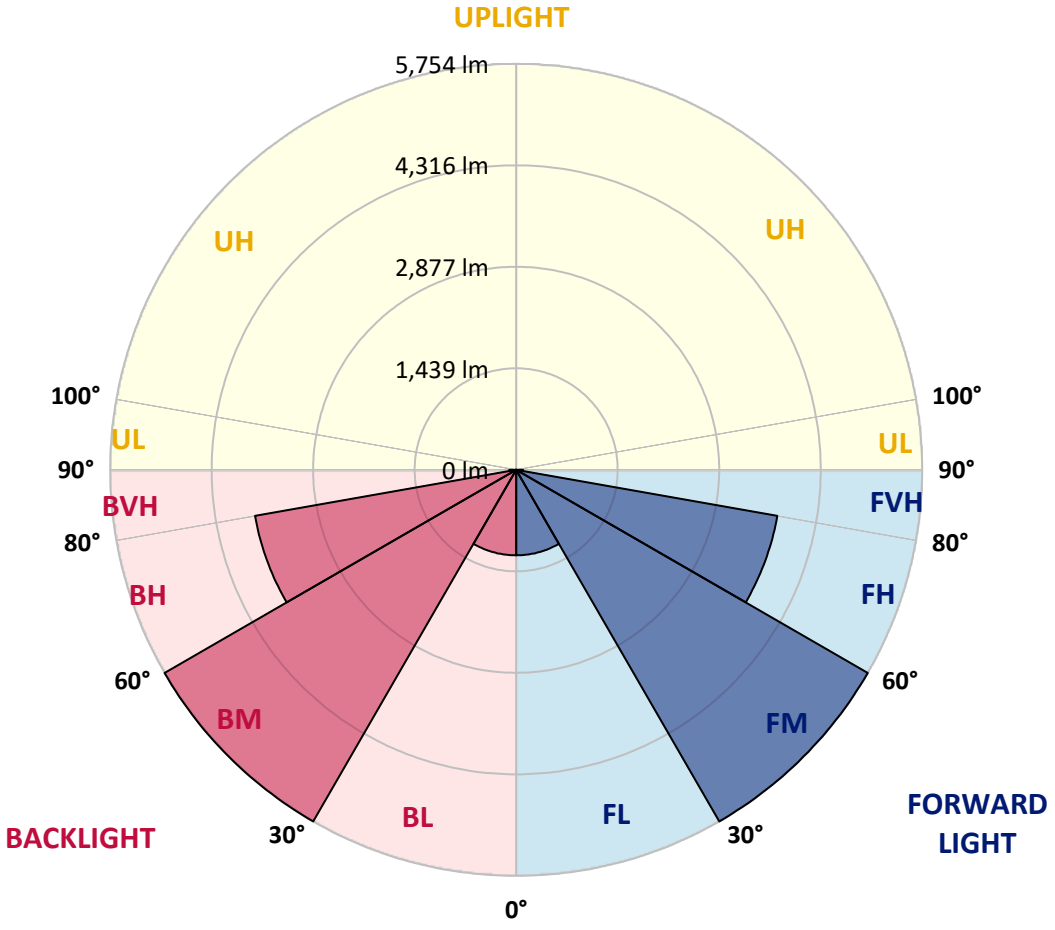
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1211.7	5.6			
FM	(30°-60°)	5754.5	26.6			
FH	(60°-80°)	3757.7	17.4			G2/5000
FVH	(80°-90°)	97.5	0.5			G1/100
BL	(0°-30°)	1211.7	5.6	B3/2500		
BM	(30°-60°)	5754.5	26.6	B4/8500		
BH	(60°-80°)	3757.7	17.4	B4/5000		G4/5000
BVH	(80°-90°)	97.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2318.4	2318.4	2318.4	2318.4	2318.4	2318.4	2318.4	2318.4	*2318.4*	2318.4
2.5°	2318.4	2316.1	2318.4	2320.6	2319.5	2319.5	2325.0	2328.3	*2334.9*	2333.8
5°	2302.9	2301.8	2310.6	2320.6	2328.3	2341.6	2358.1	2370.3	*2385.8*	2389.1
7.5°	2295.1	2291.8	2307.3	2325.0	2349.3	2382.4	2414.5	2447.6	*2474.2*	2483.0
10°	2300.7	2301.8	2322.8	2355.9	2394.6	2441.0	2486.3	2542.7	*2580.2*	2589.1
12.5°	2326.1	2323.9	2359.2	2412.3	2465.3	2523.9	2576.9	2638.8	*2679.7*	2700.7
15°	2372.5	2368.1	2417.8	2496.3	2573.6	2642.1	2685.2	2743.8	*2791.3*	2817.8
17.5°	2427.8	2430.0	2495.2	2596.8	2698.5	2775.8	2816.7	2846.6	*2883.0*	2906.2
20°	2525.0	2529.4	2602.3	2722.8	2838.8	2927.2	2960.4	2949.3	*2959.3*	2977.0
22.5°	2655.4	2657.6	2739.4	2869.8	2991.3	3088.6	3110.7	3065.4	*3037.7*	3049.9
25°	2806.8	2821.1	2902.9	3036.6	3161.5	3254.3	3264.3	3195.7	*3127.2*	3130.5
27.5°	2991.3	3004.6	3087.5	3220.1	3347.1	3427.8	3426.7	3335.0	*3234.4*	3209.0
30°	3191.3	3205.7	3290.8	3427.8	3546.0	3616.8	3601.3	3491.9	*3348.2*	3300.7
32.5°	3428.9	3437.7	3523.9	3661.0	3770.4	3826.7	3794.7	3659.9	*3480.8*	3426.7
35°	3716.2	3729.5	3793.6	3922.9	4019.0	4065.4	4011.3	3852.1	*3651.0*	3590.2
37.5°	4044.4	4035.6	4108.5	4223.4	4303.0	4331.7	4257.7	4068.7	*3845.5*	3773.7
40°	4387.0	4382.5	4462.1	4572.6	4615.7	4633.4	4524.0	4317.4	*4069.8*	3992.5
42.5°	4697.5	4694.2	4801.4	4924.0	4975.9	4956.1	4817.9	4581.5	*4329.5*	4241.1
45°	4946.1	4941.7	5073.2	5245.6	5347.2	5314.1	5128.4	4873.2	*4592.5*	4500.8
47.5°	5137.3	5139.5	5280.9	5494.2	5672.1	5684.3	5445.6	5170.4	*4882.0*	4778.1
50°	5275.4	5282.0	5433.4	5669.9	5913.0	6020.2	5769.4	5475.4	*5181.5*	5064.4
52.5°	5309.7	5321.8	5504.2	5781.5	6067.7	6272.1	6098.7	5768.3	*5465.5*	5353.9
55°	5127.3	5151.6	5382.6	5772.7	6162.8	6437.9	6388.2	6065.5	*5751.7*	5636.8
57.5°	4708.5	4742.8	5012.4	5521.8	6141.8	6551.7	6612.5	6350.6	*6037.9*	5927.4
60°	4121.8	4162.6	4421.2	4977.1	5845.6	6593.7	6770.5	6628.0	*6300.9*	6193.7
62.5°	3236.6	3289.7	3599.1	4251.1	5220.2	6398.1	6905.3	6878.8	*6537.4*	6403.6
65°	2076.4	2132.7	2458.7	3228.9	4385.9	5799.2	6947.3	7123.0	*6787.1*	6600.3
67.5°	1252.0	1277.4	1438.7	1957.0	3205.7	4896.4	6591.5	7393.8	*7078.8*	6846.8
70°	801.1	815.5	911.6	1149.2	1812.2	3572.6	5709.7	7444.6	*7432.4*	7099.8
72.5°	*543.7*	*548.1*	*573.5*	*680.7*	*1025.5*	*2029.9*	*4211.3*	*6739.6*	*7653.4*	*7425.8*
75°	397.8	422.1	463.0	481.8	582.4	1014.4	2413.4	4735.1	*6450.1*	6549.5
77.5°	296.1	297.3	353.6	375.7	415.5	540.4	1021.0	2643.2	*4004.6*	4204.6
80°	250.8	237.6	236.5	302.8	312.7	337.0	456.4	912.8	*1434.3*	869.7
82.5°	208.9	194.5	175.7	236.5	213.3	206.6	197.8	371.3	*456.4*	224.3
85°	145.9	139.2	132.6	154.7	121.6	103.9	95.0	173.5	*192.3*	95.0
87.5°	63.0	65.2	66.3	68.5	50.8	36.5	36.5	48.6	*48.6*	37.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

(END C

90°
2318.4
2332.7
2389.1
2485.2
2597.9
2709.5
2827.8
2917.3
2990.2
3058.7
3136.1
3216.7
3306.2
3440.0
3599.1
3786.9
4017.9
4263.2
4521.8
4809.1
5099.7
5382.6
5668.8
5952.8
6216.9
6419.1
6623.5
6864.4
7097.6
7390.4
6308.6
3750.5
657.5
191.2
84.0
27.6
0.0

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