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: McGRAW-EDISON

Report Number: P947900

Luminaire Tested: **GALN-SB3A-840-U-RW**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P947900
	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-SB3A-840-U-RW
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(3) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13257 lumens
Efficiency:	N/A
Efficacy:	156.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	84.7
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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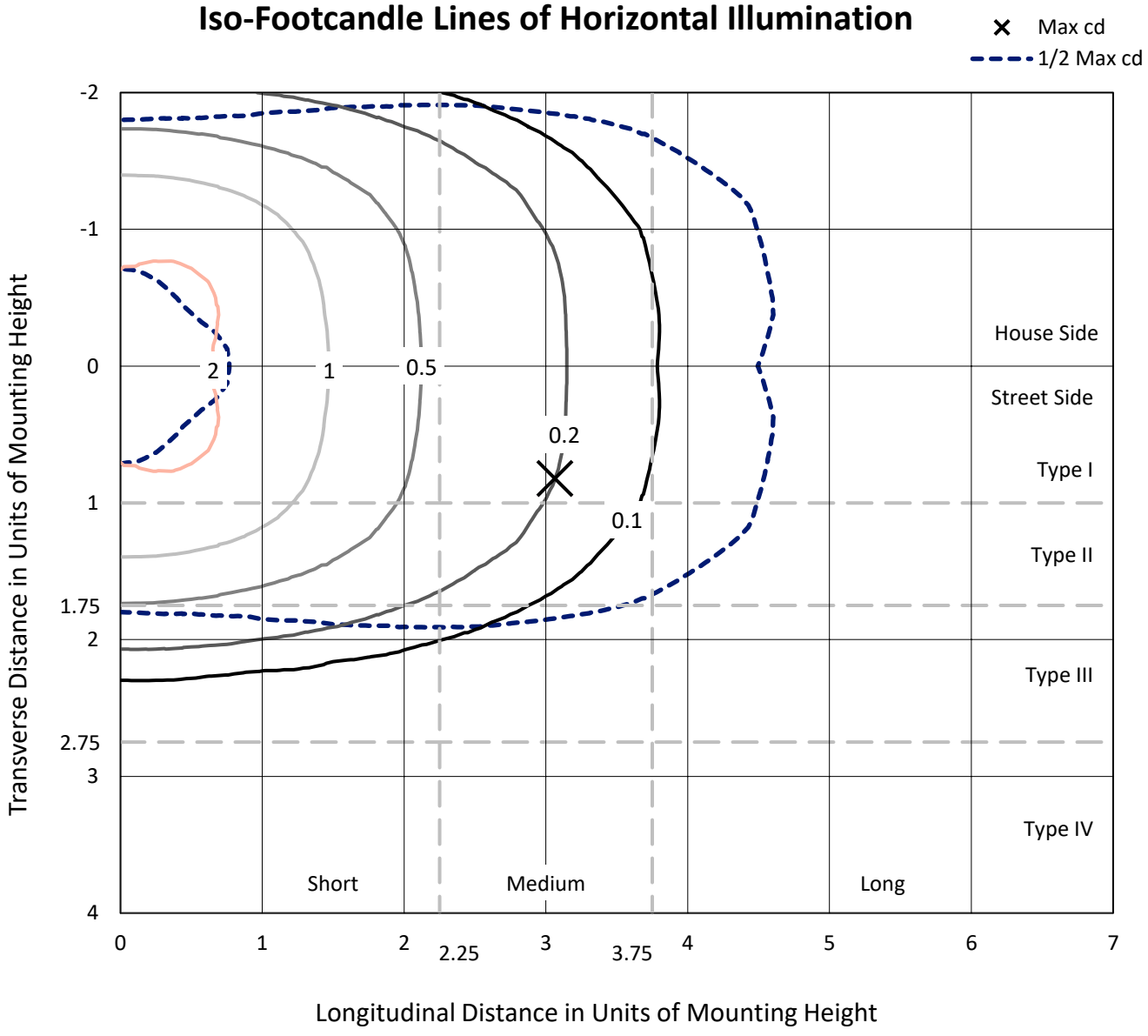
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type III - Medium - N/A

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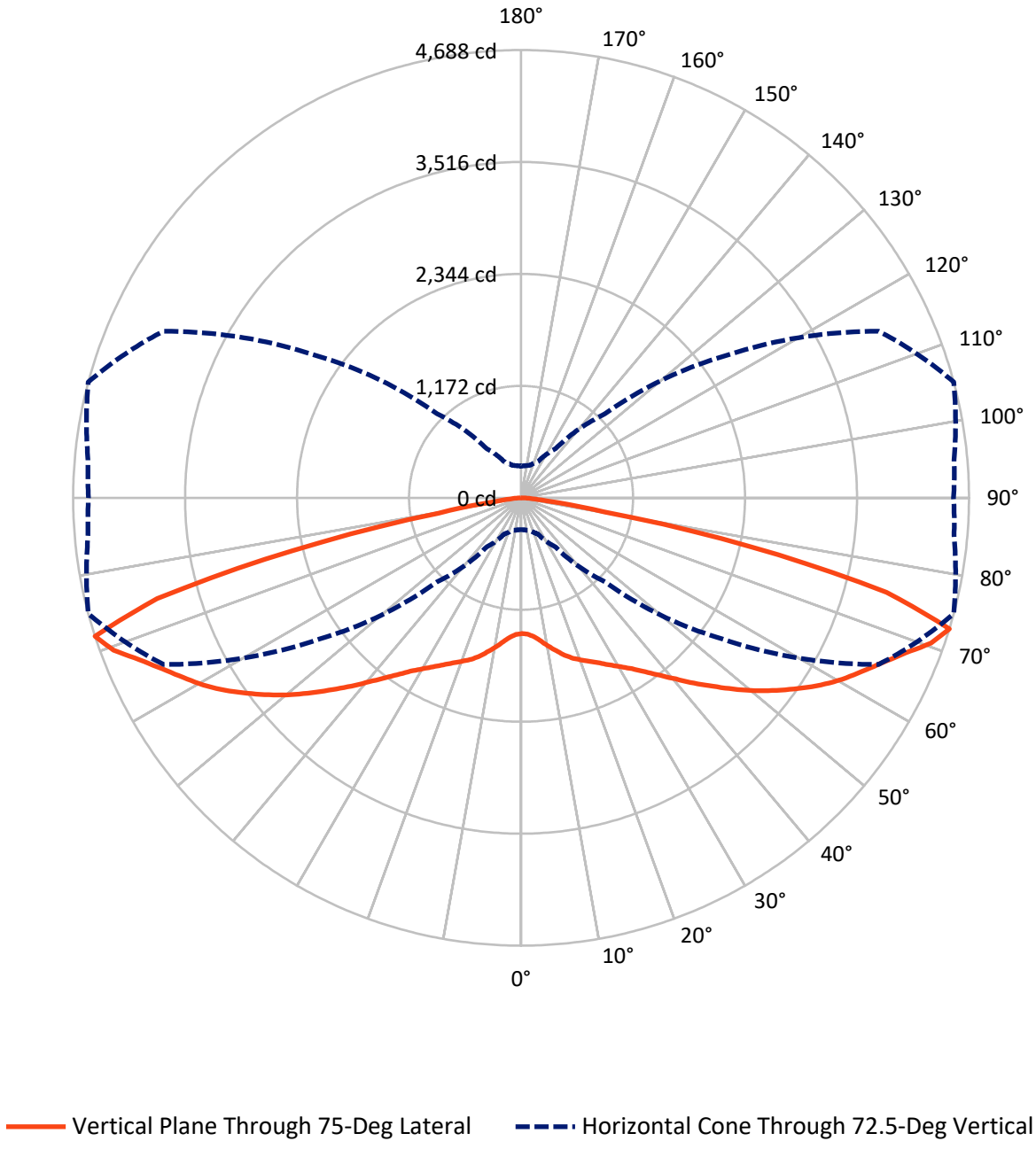
Luminous Intensity Polar Plot



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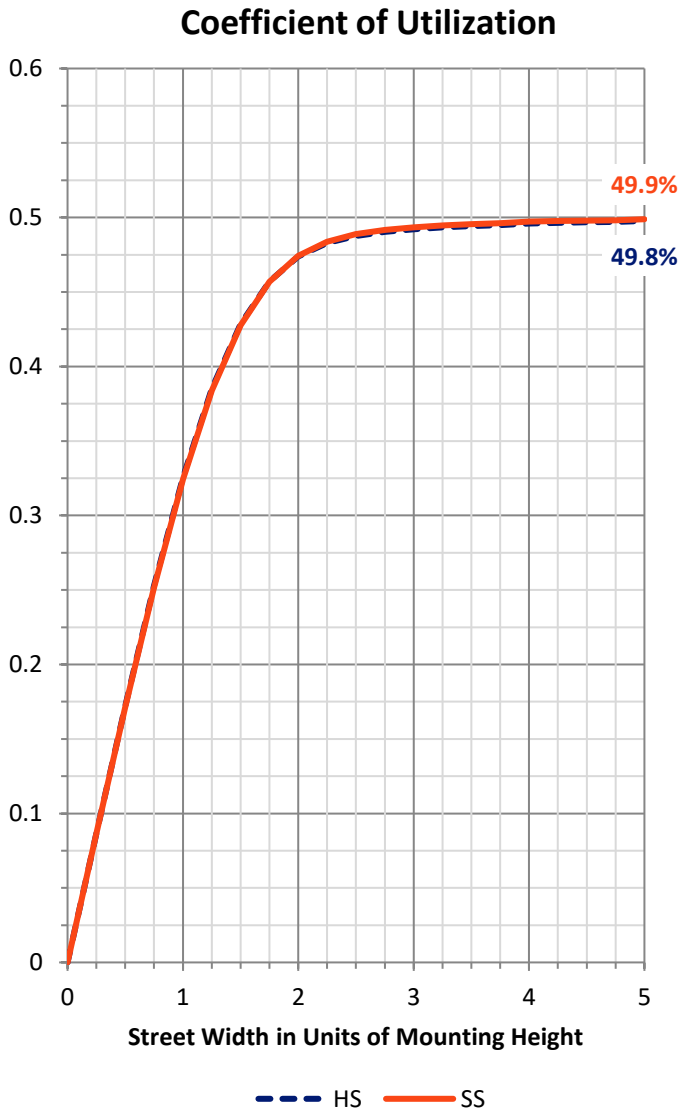
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6628.5	0.0	6628.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6628.5	0.0	6628.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13257.0	0.0	13257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.1	1.0
10°-20°	458.8	3.5
20°-30°	886.5	6.7
30°-40°	1497.0	11.3
40°-50°	2374.0	17.9
50°-60°	3178.6	24.0
60°-70°	3025.0	22.8
70°-80°	1578.5	11.9
80°-90°	119.5	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°	13257.0	100.0
0°-180°	13257.0	100.0



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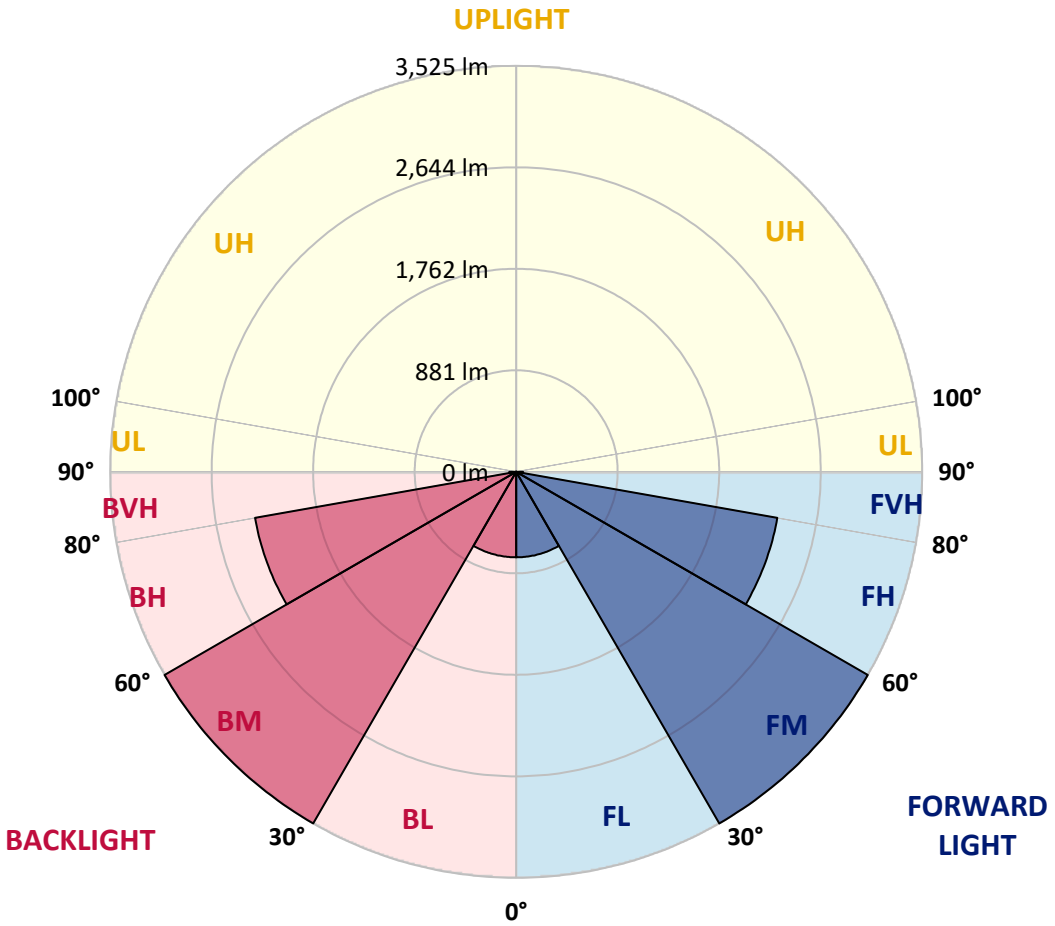
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	742.2	5.6			
FM	(30°-60°)	3524.8	26.6			
FH	(60°-80°)	2301.7	17.4			G2/5000
FVH	(80°-90°)	59.7	0.5			G1/100
BL	(0°-30°)	742.2	5.6	B2/1000		
BM	(30°-60°)	3524.8	26.6	B3/5000		
BH	(60°-80°)	2301.7	17.4	B3/2500		G3/2500
BVH	(80°-90°)	59.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	*1420.1*	1420.1
2.5°	1420.1	1418.7	1420.1	1421.4	1420.7	1420.7	1424.1	1426.2	*1430.2*	1429.5
5°	1410.6	1409.9	1415.3	1421.4	1426.2	1434.3	1444.4	1451.9	*1461.4*	1463.4
7.5°	1405.8	1403.8	1413.3	1424.1	1439.0	1459.3	1478.9	1499.3	*1515.5*	1520.9
10°	1409.2	1409.9	1422.8	1443.1	1466.8	1495.2	1522.9	1557.5	*1580.5*	1585.9
12.5°	1424.8	1423.4	1445.1	1477.6	1510.1	1546.0	1578.4	1616.4	*1641.4*	1654.3
15°	1453.2	1450.5	1481.0	1529.0	1576.4	1618.4	1644.8	1680.7	*1709.8*	1726.0
17.5°	1487.1	1488.4	1528.4	1590.6	1652.9	1700.3	1725.3	1743.6	*1765.9*	1780.2
20°	1546.6	1549.3	1594.0	1667.8	1738.9	1793.0	1813.3	1806.6	*1812.6*	1823.5
22.5°	1626.5	1627.9	1677.9	1757.8	1832.3	1891.8	1905.4	1877.6	*1860.7*	1868.1
25°	1719.2	1728.0	1778.1	1860.0	1936.5	1993.4	1999.5	1957.5	*1915.5*	1917.6
27.5°	1832.3	1840.4	1891.2	1972.4	2050.2	2099.6	2099.0	2042.8	*1981.2*	1965.6
30°	1954.8	1963.6	2015.7	2099.6	2172.1	2215.4	2205.9	2138.9	*2050.9*	2021.8
32.5°	2100.3	2105.7	2158.5	2242.5	2309.5	2344.0	2324.4	2241.8	*2132.1*	2099.0
35°	2276.3	2284.4	2323.7	2402.9	2461.8	2490.2	2457.0	2359.6	*2236.4*	2199.1
37.5°	2477.3	2471.9	2516.6	2587.0	2635.7	2653.3	2608.0	2492.2	*2355.5*	2311.5
40°	2687.2	2684.4	2733.2	2800.9	2827.3	2838.1	2771.1	2644.5	*2492.9*	2445.5
42.5°	2877.4	2875.3	2941.0	3016.1	3047.9	3035.7	2951.1	2806.3	*2652.0*	2597.8
45°	3029.6	3026.9	3107.5	3213.1	3275.3	3255.0	3141.3	2985.0	*2813.0*	2756.9
47.5°	3146.7	3148.1	3234.7	3365.4	3474.3	3481.8	3335.6	3167.0	*2990.4*	2926.8
50°	3231.4	3235.4	3328.1	3473.0	3621.9	3687.6	3533.9	3353.9	*3173.8*	3102.1
52.5°	3252.3	3259.8	3371.5	3541.4	3716.7	3841.9	3735.6	3533.2	*3347.8*	3279.4
55°	3140.7	3155.5	3297.0	3535.9	3774.9	3943.4	3913.0	3715.3	*3523.1*	3452.7
57.5°	2884.1	2905.1	3070.3	3382.3	3762.0	4013.1	4050.4	3889.9	*3698.4*	3630.7
60°	2524.7	2549.7	2708.1	3048.6	3580.6	4038.9	4147.1	4059.8	*3859.5*	3793.8
62.5°	1982.5	2015.0	2204.5	2603.9	3197.5	3919.0	4229.7	4213.5	*4004.3*	3922.4
65°	1271.8	1306.3	1506.0	1977.8	2686.5	3552.2	4255.4	4363.1	*4157.3*	4042.9
67.5°	766.9	782.5	881.3	1198.7	1963.6	2999.2	4037.5	4528.9	*4336.0*	4193.9
70°	490.7	499.5	558.4	703.9	1110.1	2188.3	3497.4	4560.0	*4552.6*	4348.9
72.5°	*333.0*	*335.7*	*351.3*	*416.9*	*628.1*	*1243.4*	*2579.5*	*4128.2*	*4688.0*	*4548.5*
75°	243.7	258.6	283.6	295.1	356.7	621.4	1478.3	2900.4	*3950.9*	4011.8
77.5°	181.4	182.1	216.6	230.1	254.5	331.0	625.4	1619.1	*2453.0*	2575.5
80°	153.6	145.5	144.8	185.5	191.6	206.4	279.5	559.1	*878.6*	532.7
82.5°	127.9	119.1	107.6	144.8	130.6	126.6	121.2	227.4	*279.5*	137.4
85°	89.3	85.3	81.2	94.8	74.5	63.6	58.2	106.3	*117.8*	58.2
87.5°	38.6	39.9	40.6	42.0	31.1	22.3	22.3	29.8	*29.8*	23.0
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°
1420.1
1428.9
1463.4
1522.3
1591.3
1659.7
1732.1
1786.9
1831.6
1873.6
1920.9
1970.4
2025.2
2107.1
2204.5
2319.6
2461.1
2611.3
2769.7
2945.7
3123.7
3297.0
3472.3
3646.3
3808.0
3931.9
4057.1
4204.7
4347.5
4526.9
3864.2
2297.3
402.7
117.1
51.4
16.9
0.0

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