

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: P635917

Luminaire Tested: **IFLD-L-SA7B-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635917
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17364.1 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 281
Input Voltage (V): 120
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: 25 FT

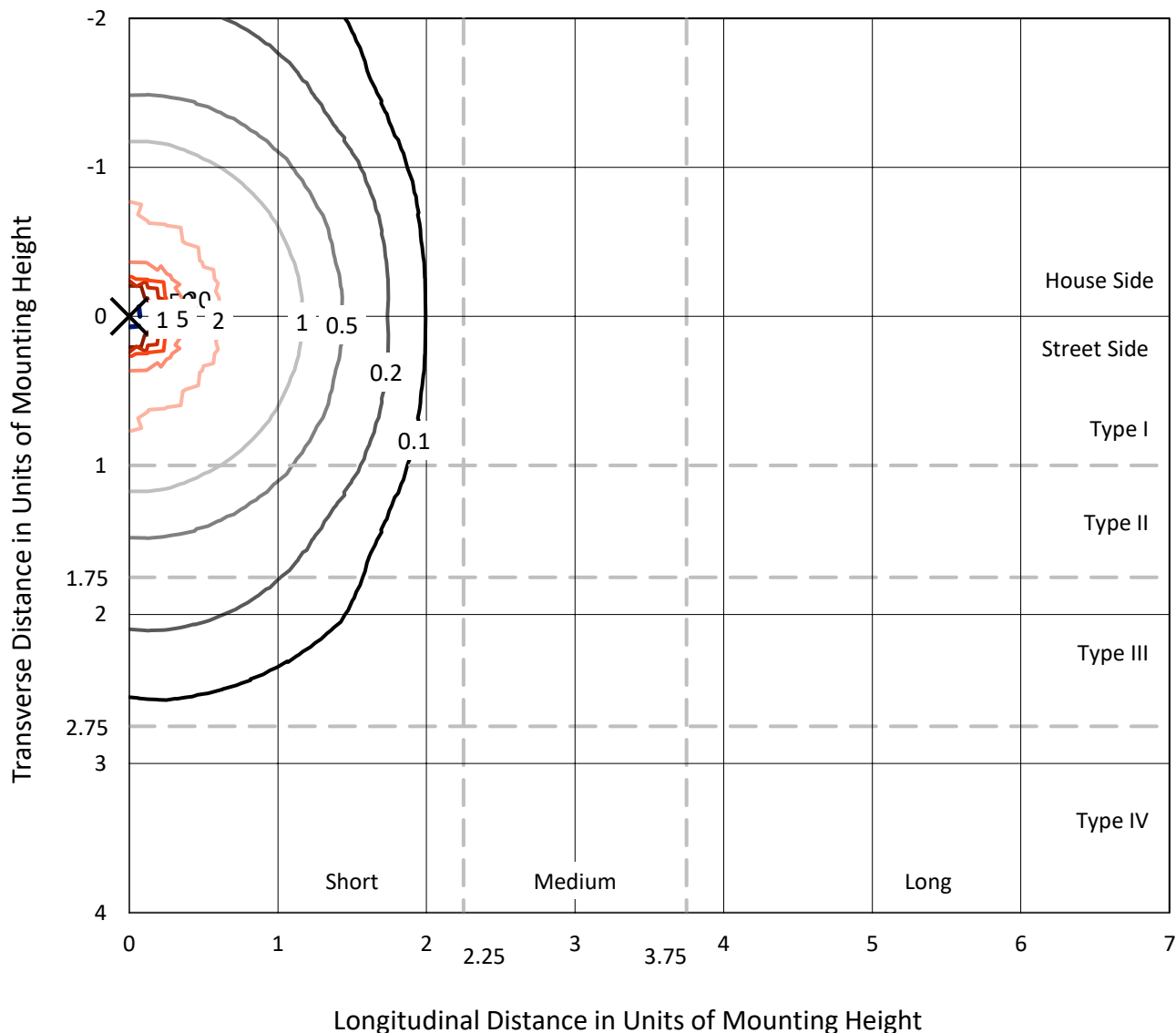


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

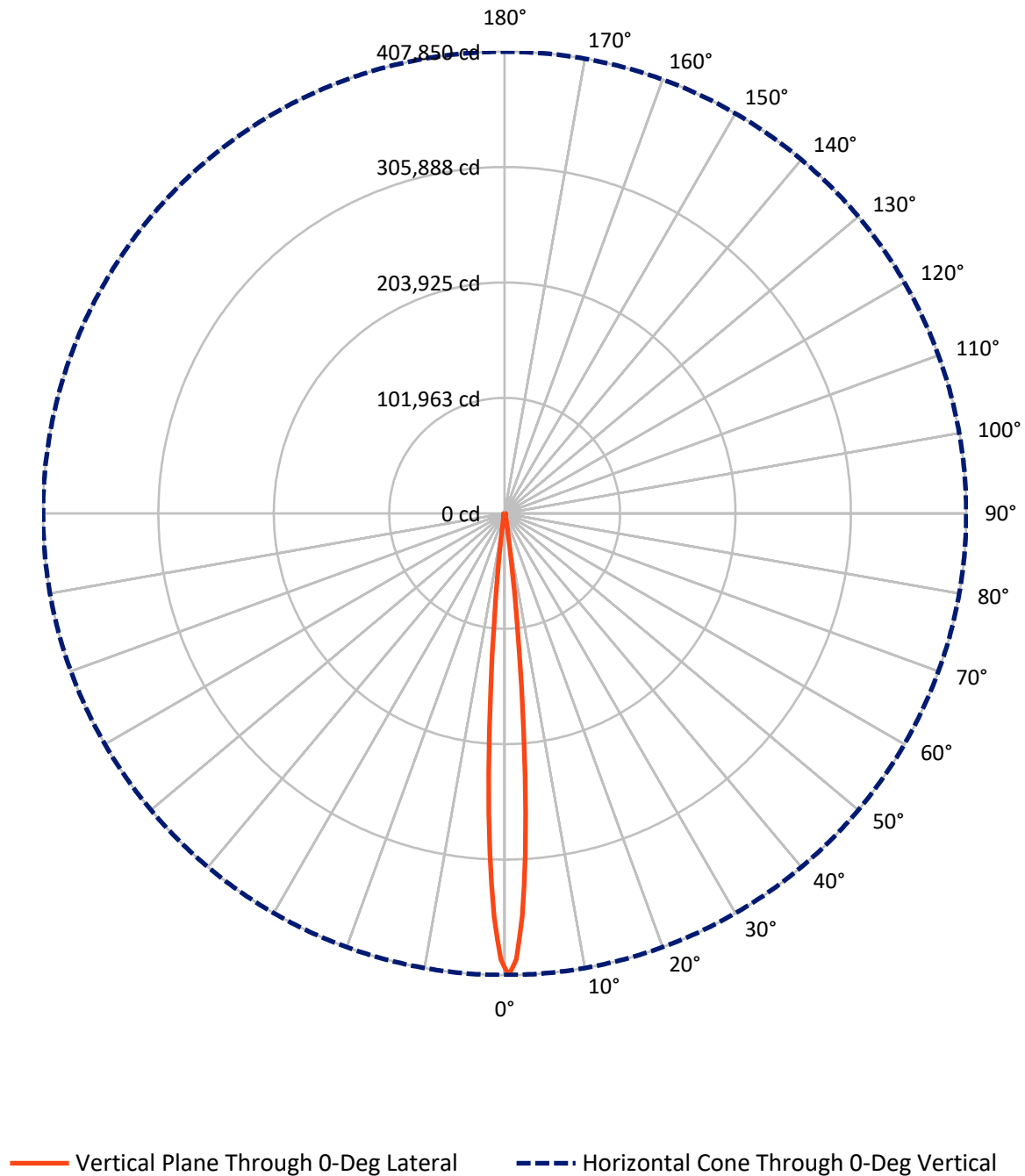
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1019.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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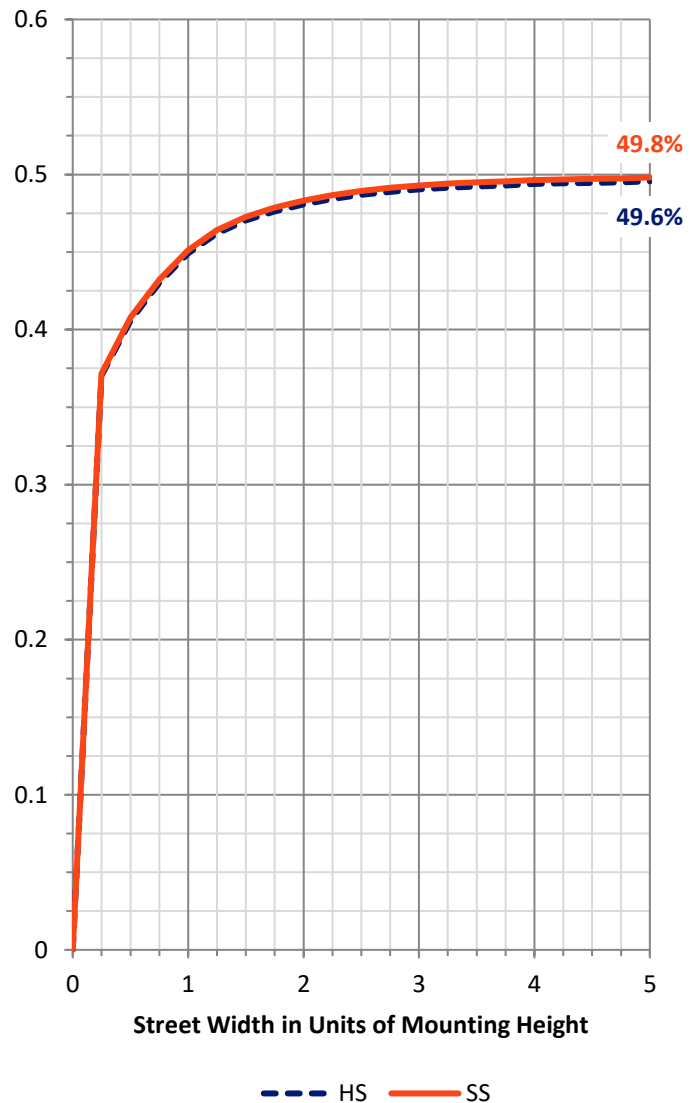
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8682.0	0.0	8682.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8682.0	0.0	8682.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17364.1	0.0	17364.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10959.8	63.1
10°-20°	1354.5	7.8
20°-30°	811.5	4.7
30°-40°	872.6	5.0
40°-50°	1173.3	6.8
50°-60°	1045.9	6.0
60°-70°	690.8	4.0
70°-80°	342.5	2.0
80°-90°	113.1	0.7
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°	17364.1	100.0
0°-180°	17364.1	100.0

Coefficient of Utilization



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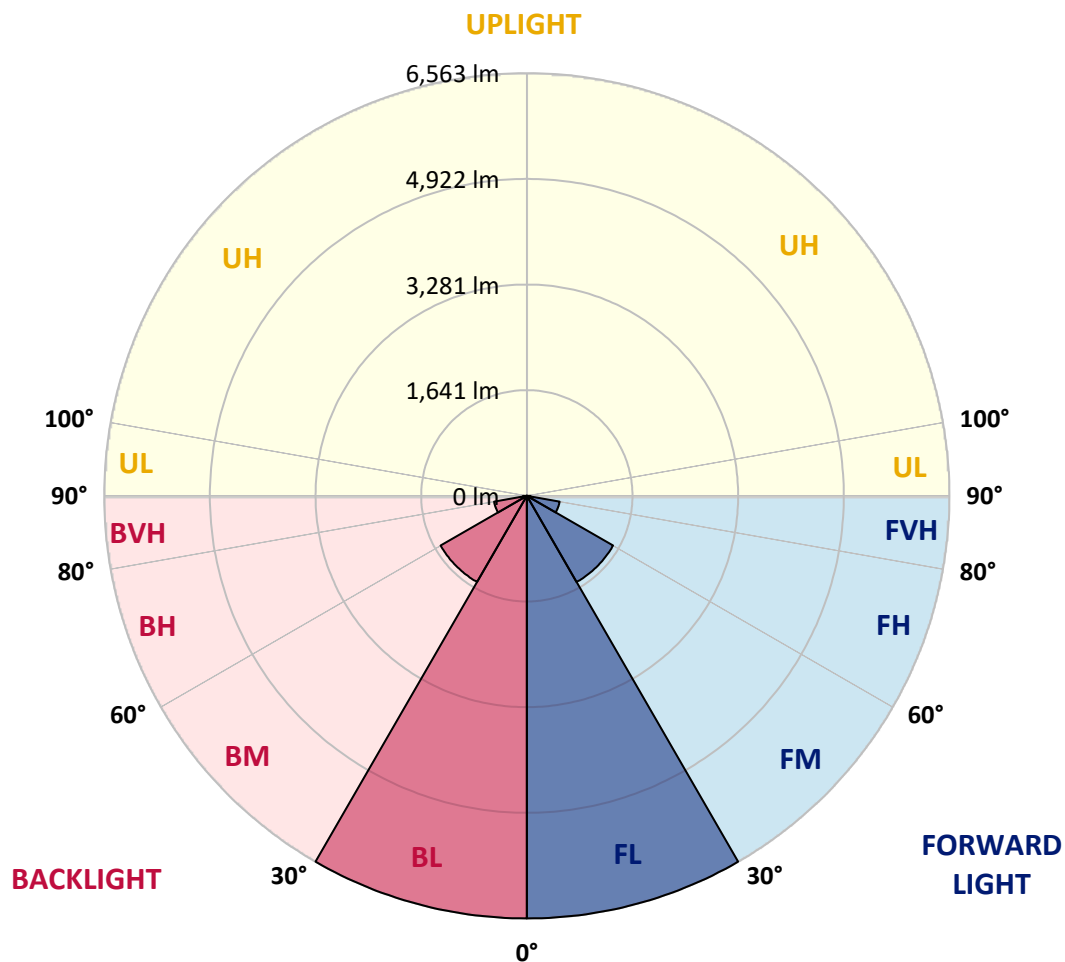
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6562.9	37.8			
FM	(30°-60°)	1545.9	8.9			
FH	(60°-80°)	516.7	3.0			G0/660
FVH	(80°-90°)	56.5	0.3			G1/100
BL	(0°-30°)	6562.9	37.8	B5		
BM	(30°-60°)	1545.9	8.9	B2/2500		
BH	(60°-80°)	516.7	3.0	B2/1000		G0/660
BVH	(80°-90°)	56.5	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	407850.3	407850.3	407850.3	407850.3	407850.3	407850.3	407850.3	407850.3	407850.3	407850.3
1°	394179.8	390133.9	392214.9	394203.8	396993.2	398221.7	399474.3	400410.8	400394.8	401939.5
2°	356533.9	350014.8	353036.2	356742.0	363909.4	365966.4	369404.0	373658.0	373918.2	377768.0
3°	300515.2	291362.8	295812.9	302412.1	314293.8	317367.2	322877.8	326767.7	325030.9	329537.0
4°	230605.9	218664.2	225463.4	235232.1	246797.6	258531.2	258763.3	261552.6	255825.9	255549.8
5°	155582.1	145053.1	153777.3	165995.1	175987.9	184187.8	189238.2	189586.3	183395.4	182831.1
6°	94889.2	87921.9	95513.5	108443.7	122286.3	125695.9	126468.3	124715.4	116595.6	112101.4
7°	52445.0	49603.6	57023.2	64738.8	75532.0	80522.4	77068.7	71466.1	68980.9	63630.3
8°	28921.8	27521.1	29638.1	36305.3	44681.3	47958.9	44625.3	38806.5	34616.5	33135.8
9°	17436.3	16659.9	17524.3	20061.6	23679.3	25952.4	24043.5	21178.1	19409.2	18917.0
10°	11581.5	11277.4	11645.5	12502.0	13802.6	14466.9	13990.7	12854.1	12317.9	12285.9
12.5°	6078.9	6022.9	6114.9	6211.0	6435.1	6471.1	6387.0	6307.0	6182.9	6231.0
15°	3913.9	3861.8	3957.9	4081.9	4138.0	4174.0	4178.0	4134.0	4049.9	4009.9
17.5°	2853.4	2865.4	2873.4	2945.4	3053.5	3137.5	3101.5	3053.5	2957.4	2909.4
20°	2349.1	2353.1	2369.1	2409.1	2445.2	2561.2	2525.2	2453.2	2361.1	2325.1
22.5°	2009.0	2017.0	2025.0	2049.0	2057.0	2089.0	2093.0	2029.0	1976.9	1956.9
25°	1768.8	1768.8	1780.8	1800.9	1808.9	1784.9	1788.9	1760.8	1712.8	1688.8
27.5°	1500.7	1508.7	1520.7	1528.7	1512.7	1484.7	1448.7	1472.7	1448.7	1392.7
30°	1336.6	1344.6	1380.7	1356.6	1320.6	1284.6	1264.6	1296.6	1300.6	1252.6
32.5°	1324.6	1328.6	1340.6	1328.6	1284.6	1240.6	1212.6	1248.6	1256.6	1236.6
35°	1384.7	1372.7	1388.7	1396.7	1352.6	1304.6	1268.6	1300.6	1324.6	1332.6
37.5°	1676.8	1608.8	1556.7	1540.7	1512.7	1480.7	1432.7	1440.7	1484.7	1524.7
40°	1596.8	1580.8	1560.7	1508.7	1456.7	1496.7	1440.7	1424.7	1524.7	1532.7
42.5°	1584.8	1596.8	1580.8	1516.7	1464.7	1504.7	1492.7	1444.7	1544.7	1532.7
45°	1592.8	1604.8	1640.8	1532.7	1488.7	1508.7	1532.7	1480.7	1580.8	1540.7
47.5°	1528.7	1544.7	1584.8	1524.7	1496.7	1492.7	1528.7	1480.7	1532.7	1528.7
50°	1444.7	1460.7	1472.7	1420.7	1472.7	1444.7	1448.7	1428.7	1428.7	1436.7
52.5°	1336.6	1352.6	1364.7	1304.6	1336.6	1348.6	1300.6	1296.6	1260.6	1272.6
55°	1204.6	1228.6	1240.6	1216.6	1200.6	1224.6	1156.6	1148.5	1076.5	1080.5
57.5°	1052.5	1076.5	1088.5	1116.5	1104.5	1056.5	1016.5	984.5	904.4	872.4
60°	1084.5	1108.5	1084.5	1004.5	1004.5	896.4	860.4	792.4	712.3	672.3
62.5°	1048.5	1080.5	1076.5	992.5	892.4	756.4	692.3	620.3	540.3	488.2
65°	988.5	1020.5	1004.5	948.5	852.4	648.3	552.3	480.2	380.2	368.2
67.5°	888.4	936.4	904.4	868.4	792.4	588.3	440.2	360.2	276.1	276.1
70°	736.4	772.4	792.4	752.4	708.3	552.3	376.2	276.1	200.1	152.1
72.5°	592.3	624.3	656.3	636.3	596.3	500.2	336.2	220.1	144.1	88.0
75°	328.2	340.2	352.2	400.2	456.2	408.2	308.1	192.1	120.1	68.0
77.5°	252.1	264.1	292.1	268.1	248.1	316.2	336.2	224.1	104.0	48.0
80°	196.1	212.1	300.1	248.1	212.1	240.1	288.1	196.1	68.0	24.0
82.5°	148.1	160.1	212.1	236.1	224.1	180.1	156.1	132.1	60.0	16.0
85°	108.1	124.1	148.1	132.1	128.1	128.1	172.1	116.1	44.0	12.0
87.5°	64.0	64.0	68.0	64.0	60.0	60.0	68.0	56.0	28.0	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

407850.3
398834.0
374366.4
324718.7
254333.2
180546.0
112493.6
61117.1
31791.1
18248.7
11905.7
6050.9
3945.9
2857.4
2285.1
1932.9
1668.8
1396.7
1236.6
1224.6
1332.6
1560.7
1544.7
1524.7
1528.7
1520.7
1408.7
1252.6
1052.5
852.4
640.3
480.2
368.2
244.1
136.1
84.0
60.0
24.0
16.0
12.0
8.0
8.0
0.0

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