

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: P635907

Luminaire Tested: **IFLD-S-SA6B-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635907
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16275.6 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9
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



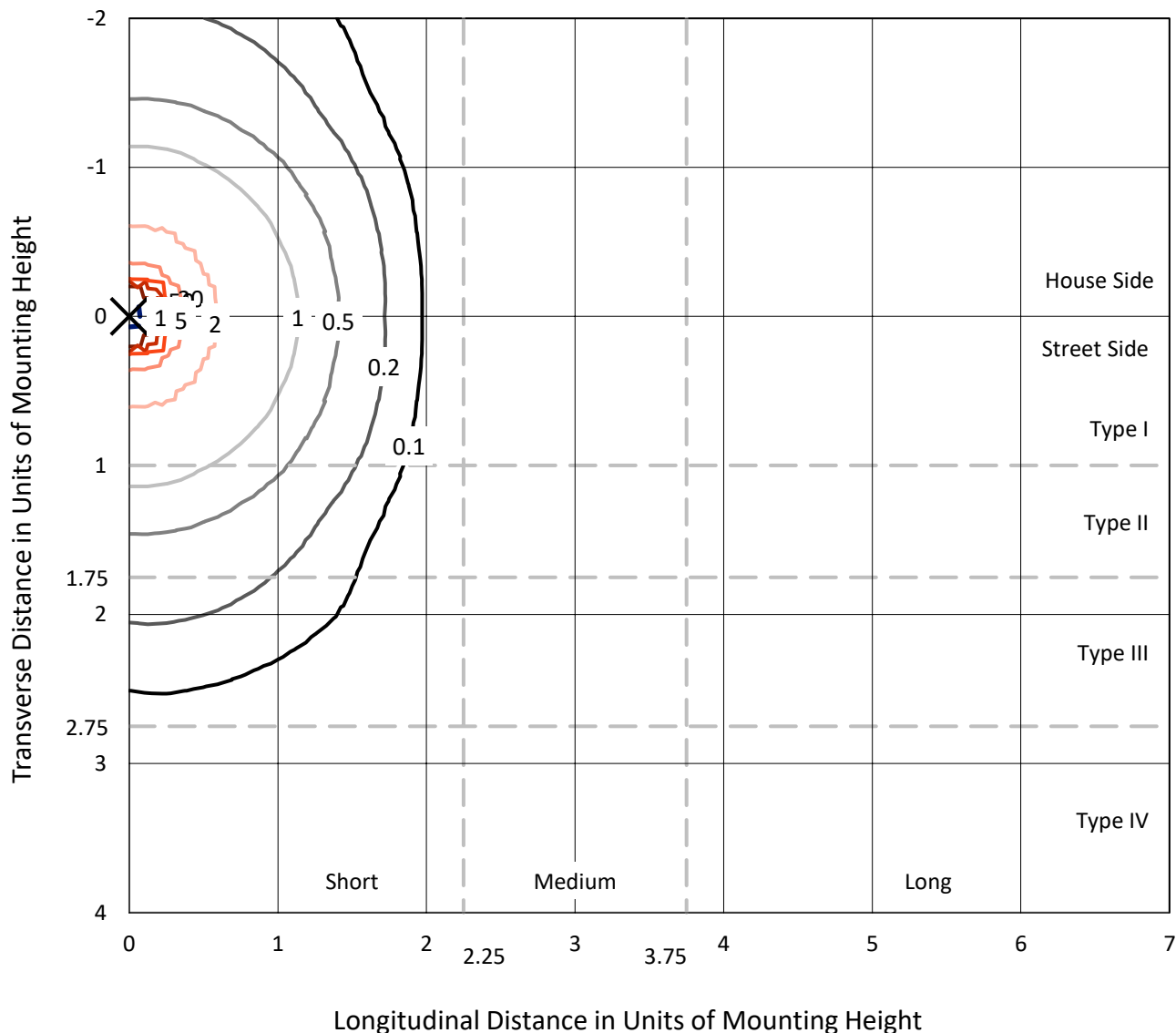
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

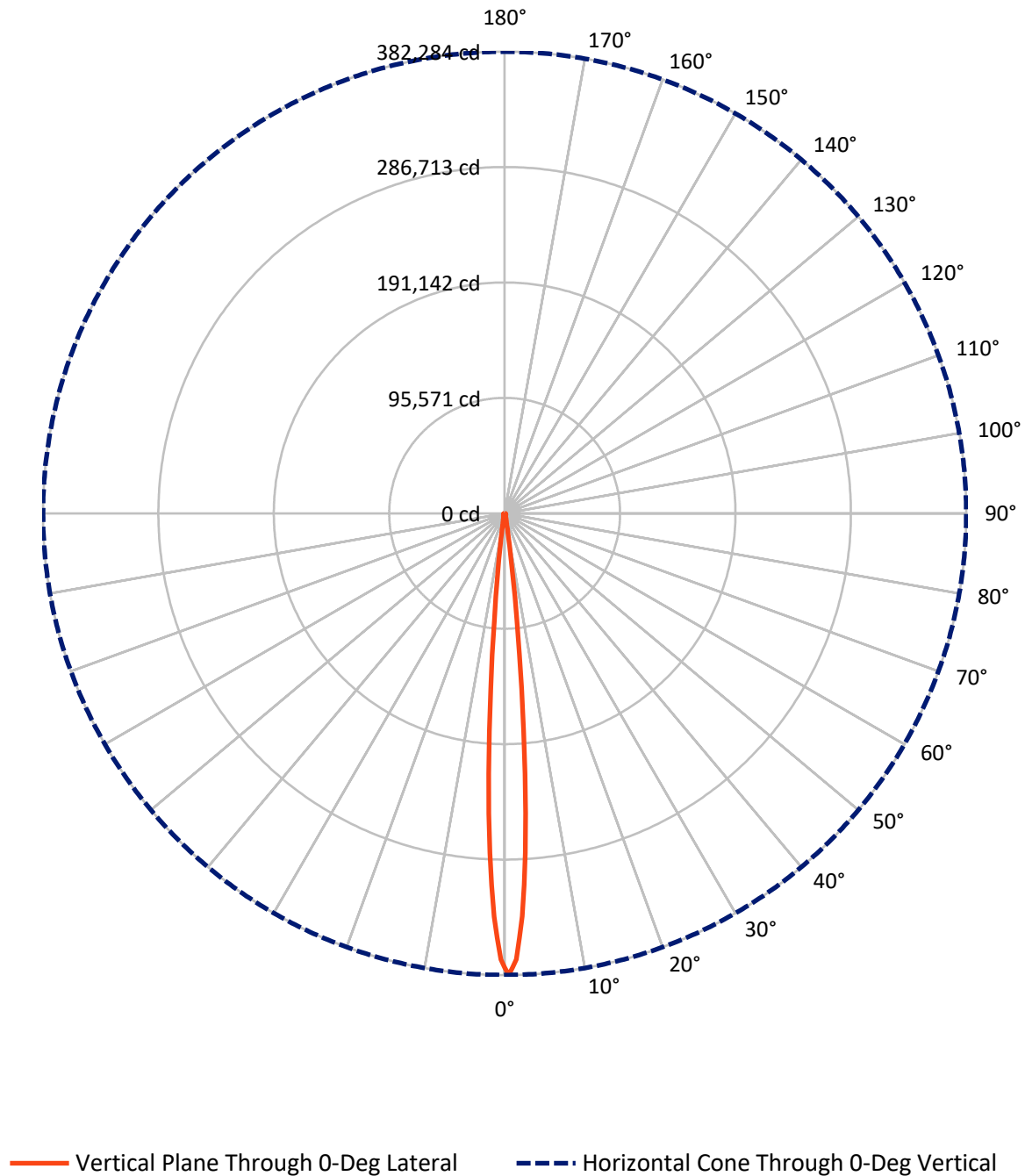


Based on 20 foot mounting height. Maximum calculated value = 955.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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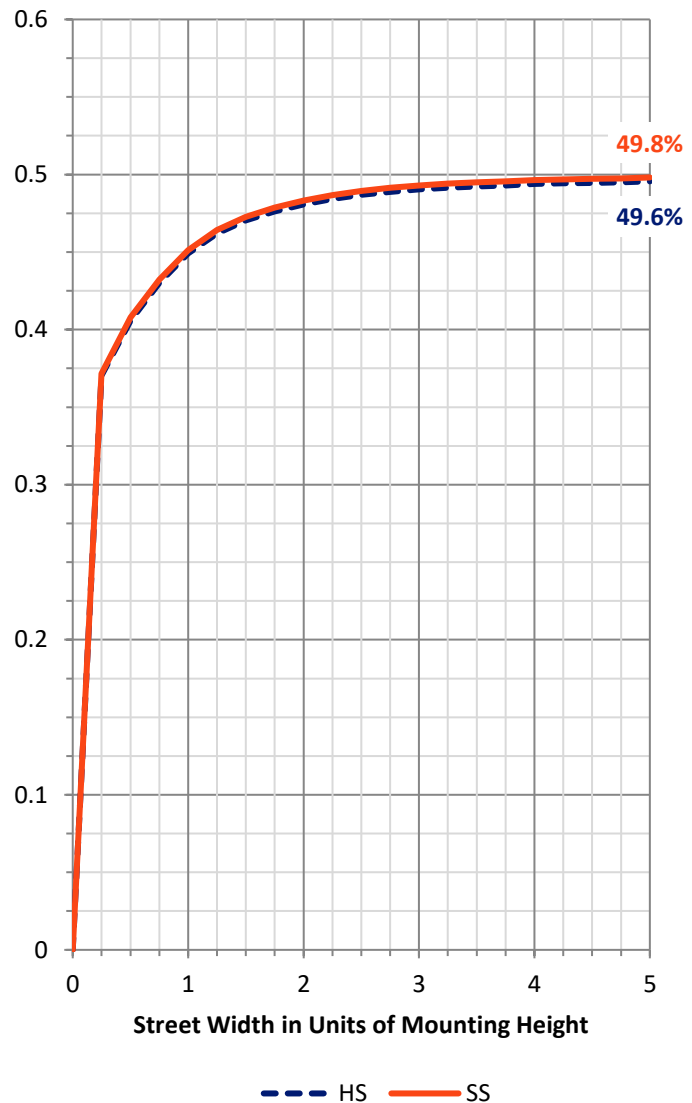
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8137.8	0.0	8137.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8137.8	0.0	8137.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16275.6	0.0	16275.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10272.8	63.1
10°-20°	1269.6	7.8
20°-30°	760.7	4.7
30°-40°	817.9	5.0
40°-50°	1099.7	6.8
50°-60°	980.3	6.0
60°-70°	647.5	4.0
70°-80°	321.1	2.0
80°-90°	106.0	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°	16275.6	100.0
0°-180°	16275.6	100.0

Coefficient of Utilization



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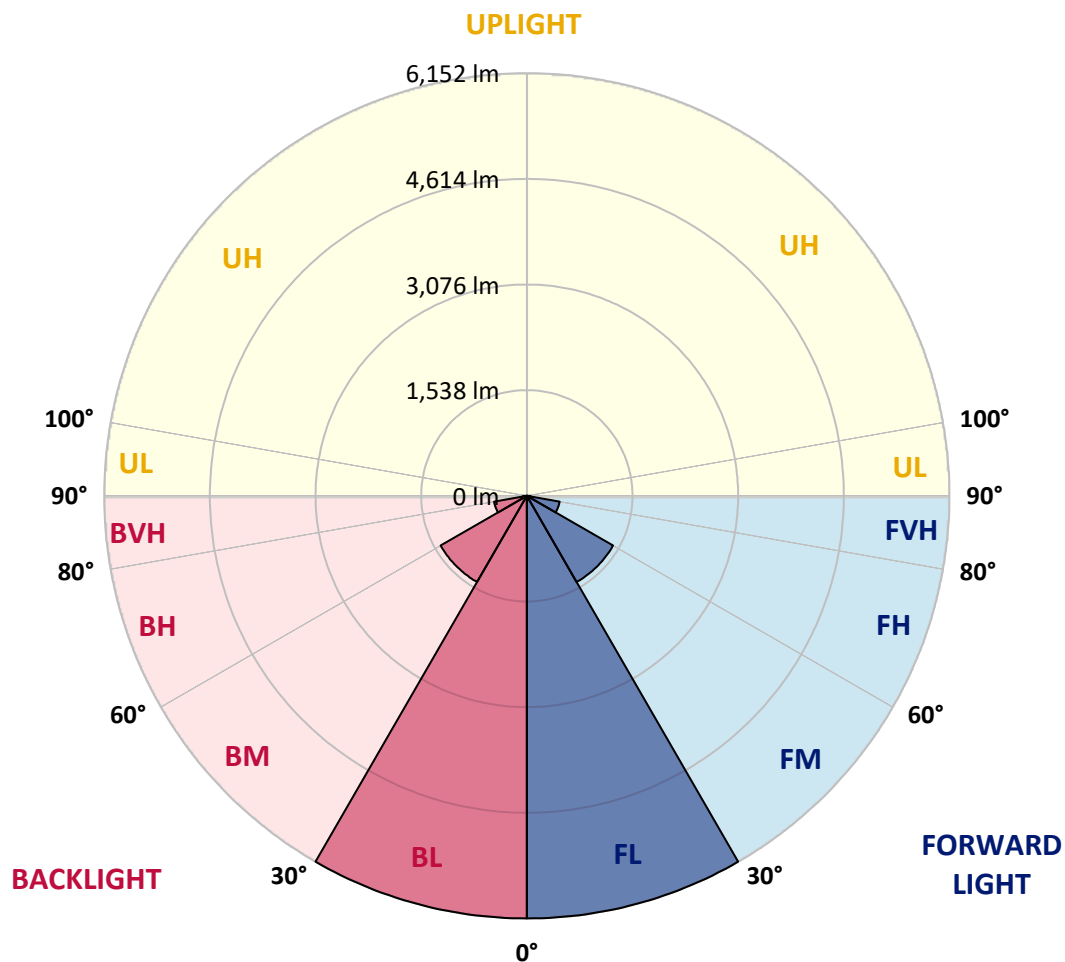
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6151.5	37.8			
FM	(30°-60°)	1449.0	8.9			
FH	(60°-80°)	484.3	3.0			G0/660
FVH	(80°-90°)	53.0	0.3			G1/100
BL	(0°-30°)	6151.5	37.8	B5		
BM	(30°-60°)	1449.0	8.9	B2/2500		
BH	(60°-80°)	484.3	3.0	B1/500		G0/660
BVH	(80°-90°)	53.0	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°	382283.5	382283.5	382283.5	382283.5	382283.5	382283.5	382283.5	382283.5	382283.5	382283.5
1°	369470.0	365677.7	367628.2	369492.5	372107.0	373258.5	374432.6	375310.3	375295.3	376743.2
2°	334183.9	328073.5	330905.5	334379.0	341097.1	343025.1	346247.3	350234.6	350478.5	354087.0
3°	281676.9	273098.2	277269.4	283454.9	294591.7	297472.5	302637.7	306283.7	304655.7	308879.4
4°	216149.9	204956.8	211329.9	220486.2	231326.7	242324.7	242542.3	245156.7	239789.0	239530.2
5°	145829.2	135960.2	144137.5	155589.4	164955.7	172641.6	177375.4	177701.8	171898.9	171370.0
6°	88940.9	82410.4	89526.1	101645.7	114620.5	117816.4	118540.4	116897.4	109286.6	105074.1
7°	49157.4	46494.1	53448.6	60680.6	70797.1	75474.7	72237.5	66986.1	64656.7	59641.5
8°	27108.8	25795.9	27780.2	34029.4	41880.4	44952.5	41827.9	36373.8	32446.5	31058.6
9°	16343.3	15615.6	16425.8	18804.0	22194.9	24325.5	22536.3	19850.5	18192.5	17731.2
10°	10855.5	10570.4	10915.5	11718.3	12937.3	13560.0	13113.6	12048.3	11545.7	11515.7
12.5°	5697.8	5645.3	5731.6	5821.6	6031.7	6065.4	5986.7	5911.6	5795.4	5840.4
15°	3668.5	3619.8	3709.8	3826.1	3878.6	3912.3	3916.1	3874.8	3796.1	3758.5
17.5°	2674.5	2685.7	2693.2	2760.8	2862.0	2940.8	2907.1	2862.0	2772.0	2727.0
20°	2201.9	2205.6	2220.6	2258.1	2291.9	2400.7	2366.9	2299.4	2213.1	2179.4
22.5°	1883.0	1890.5	1898.0	1920.5	1928.0	1958.0	1961.8	1901.8	1853.0	1834.3
25°	1658.0	1658.0	1669.2	1688.0	1695.5	1673.0	1676.7	1650.5	1605.4	1582.9
27.5°	1406.6	1414.1	1425.4	1432.9	1417.9	1391.6	1357.9	1380.4	1357.9	1305.4
30°	1252.8	1260.3	1294.1	1271.6	1237.8	1204.1	1185.3	1215.3	1219.1	1174.1
32.5°	1241.6	1245.3	1256.6	1245.3	1204.1	1162.8	1136.6	1170.3	1177.8	1159.1
35°	1297.9	1286.6	1301.6	1309.1	1267.9	1222.8	1189.1	1219.1	1241.6	1249.1
37.5°	1571.7	1507.9	1459.2	1444.2	1417.9	1387.9	1342.9	1350.4	1391.6	1429.1
40°	1496.7	1481.7	1462.9	1414.1	1365.4	1402.9	1350.4	1335.4	1429.1	1436.6
42.5°	1485.4	1496.7	1481.7	1421.6	1372.9	1410.4	1399.1	1354.1	1447.9	1436.6
45°	1492.9	1504.2	1537.9	1436.6	1395.4	1414.1	1436.6	1387.9	1481.7	1444.2
47.5°	1432.9	1447.9	1485.4	1429.1	1402.9	1399.1	1432.9	1387.9	1436.6	1432.9
50°	1354.1	1369.1	1380.4	1331.6	1380.4	1354.1	1357.9	1339.1	1339.1	1346.6
52.5°	1252.8	1267.9	1279.1	1222.8	1252.8	1264.1	1219.1	1215.3	1181.6	1192.8
55°	1129.1	1151.6	1162.8	1140.3	1125.3	1147.8	1084.1	1076.5	1009.0	1012.8
57.5°	986.5	1009.0	1020.3	1046.5	1035.3	990.3	952.8	922.8	847.7	817.7
60°	1016.5	1039.0	1016.5	941.5	941.5	840.2	806.5	742.7	667.7	630.2
62.5°	982.8	1012.8	1009.0	930.3	836.5	708.9	648.9	581.4	506.4	457.6
65°	926.5	956.5	941.5	889.0	799.0	607.7	517.6	450.1	356.3	345.1
67.5°	832.7	877.7	847.7	814.0	742.7	551.4	412.6	337.6	258.8	258.8
70°	690.2	724.0	742.7	705.2	663.9	517.6	352.6	258.8	187.6	142.5
72.5°	555.2	585.2	615.2	596.4	558.9	468.9	315.1	206.3	135.0	82.5
75°	307.6	318.8	330.1	375.1	427.6	382.6	288.8	180.0	112.5	63.8
77.5°	236.3	247.6	273.8	251.3	232.6	296.3	315.1	210.1	97.5	45.0
80°	183.8	198.8	281.3	232.6	198.8	225.1	270.1	183.8	63.8	22.5
82.5°	138.8	150.0	198.8	221.3	210.1	168.8	146.3	123.8	56.3	15.0
85°	101.3	116.3	138.8	123.8	120.0	120.0	161.3	108.8	41.3	11.3
87.5°	60.0	60.0	63.8	60.0	56.3	56.3	63.8	52.5	26.3	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
382283.5
373832.4
350898.6
304363.2
238389.9
169228.2
105441.7
57285.9
29798.3
17104.7
11159.3
5671.6
3698.5
2678.2
2141.8
1811.8
1564.2
1309.1
1159.1
1147.8
1249.1
1462.9
1447.9
1429.1
1432.9
1425.4
1320.4
1174.1
986.5
799.0
600.2
450.1
345.1
228.8
127.5
78.8
56.3
22.5
15.0
11.3
7.5
7.5
0.0

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