

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: P635859

Luminaire Tested: **IFLD-L-SA7B-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635859
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16556 lumens
Efficiency: N/A
Efficacy: 58.9 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



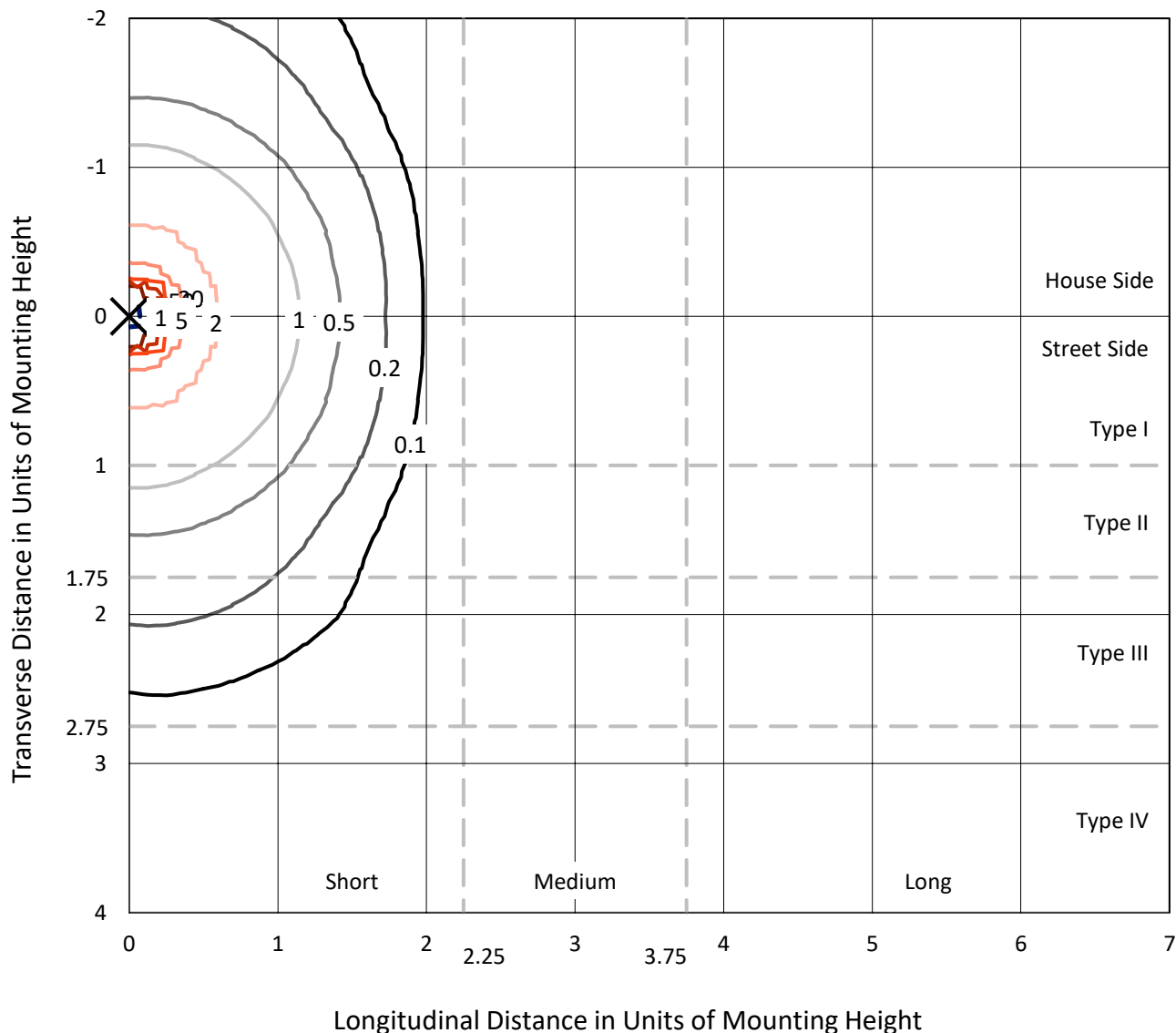
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

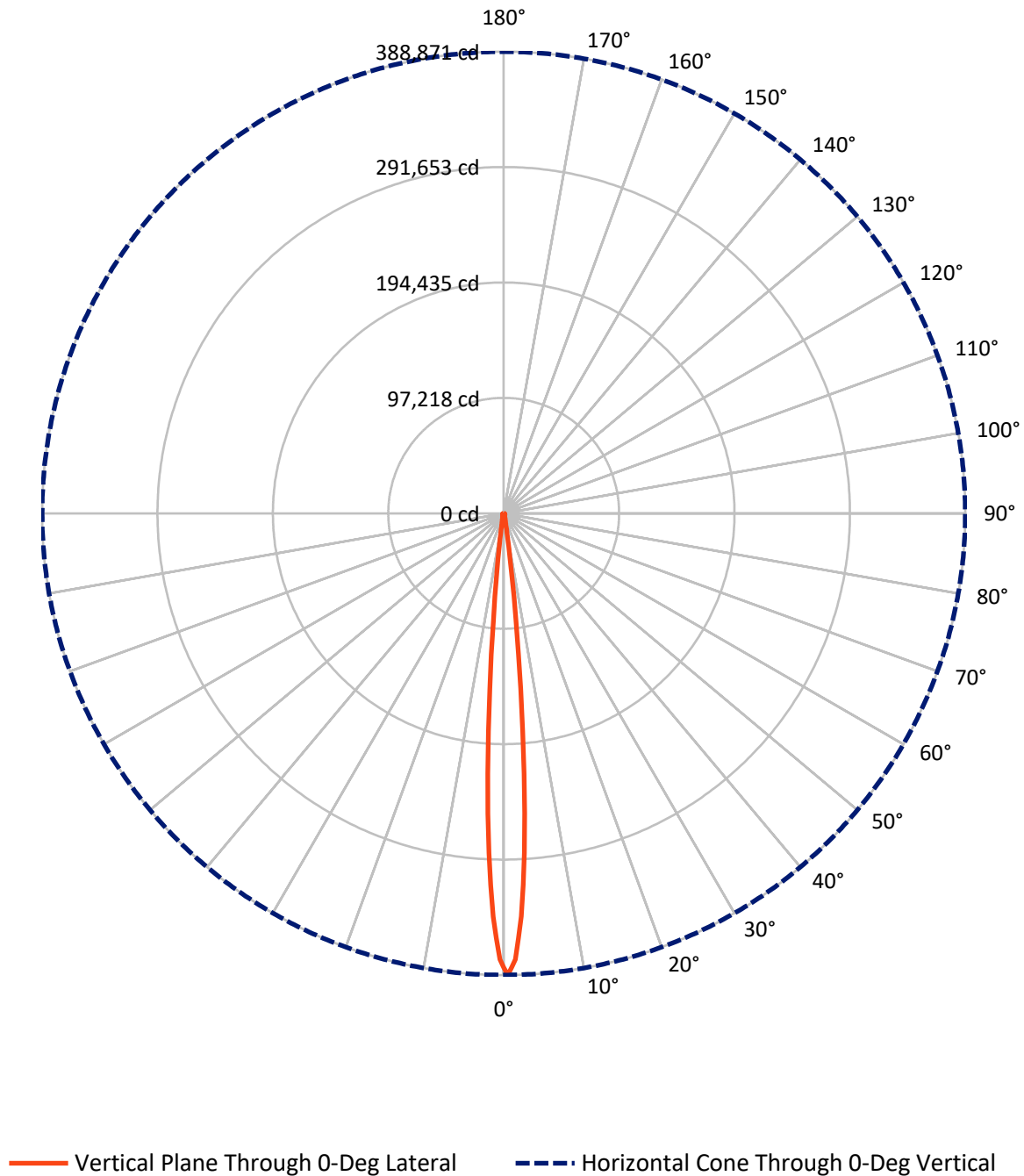


Based on 20 foot mounting height. Maximum calculated value = 972.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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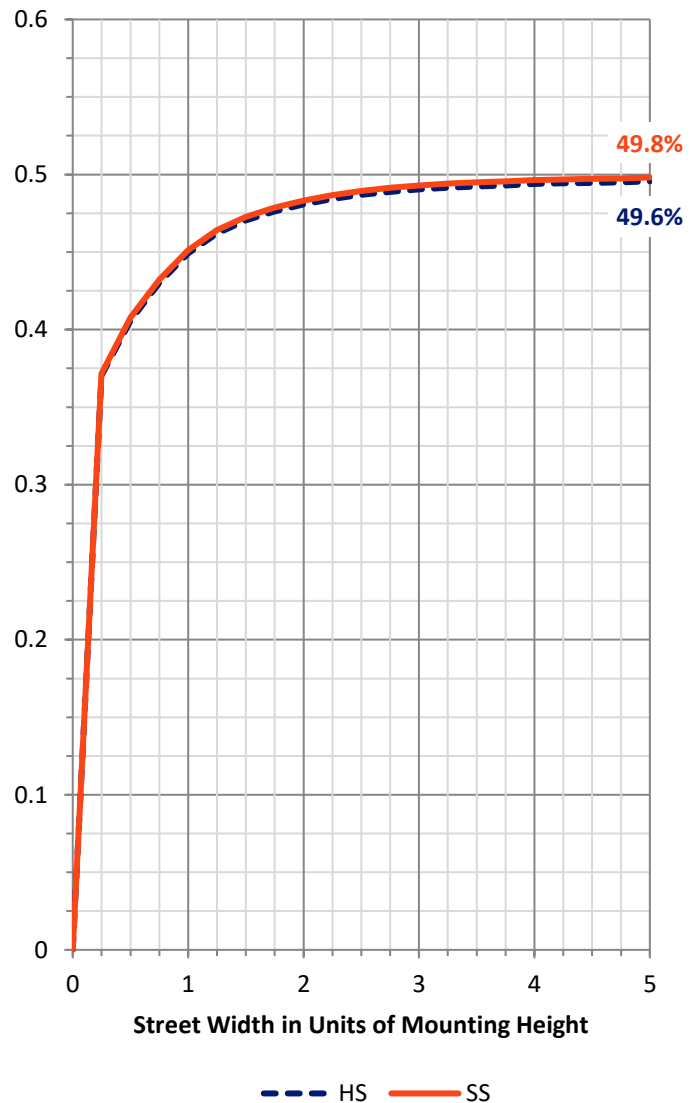
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8278.0	0.0	8278.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8278.0	0.0	8278.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16556.0	0.0	16556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10449.8	63.1
10°-20°	1291.5	7.8
20°-30°	773.8	4.7
30°-40°	832.0	5.0
40°-50°	1118.7	6.8
50°-60°	997.2	6.0
60°-70°	658.7	4.0
70°-80°	326.6	2.0
80°-90°	107.8	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°	16556.0	100.0
0°-180°	16556.0	100.0

Coefficient of Utilization



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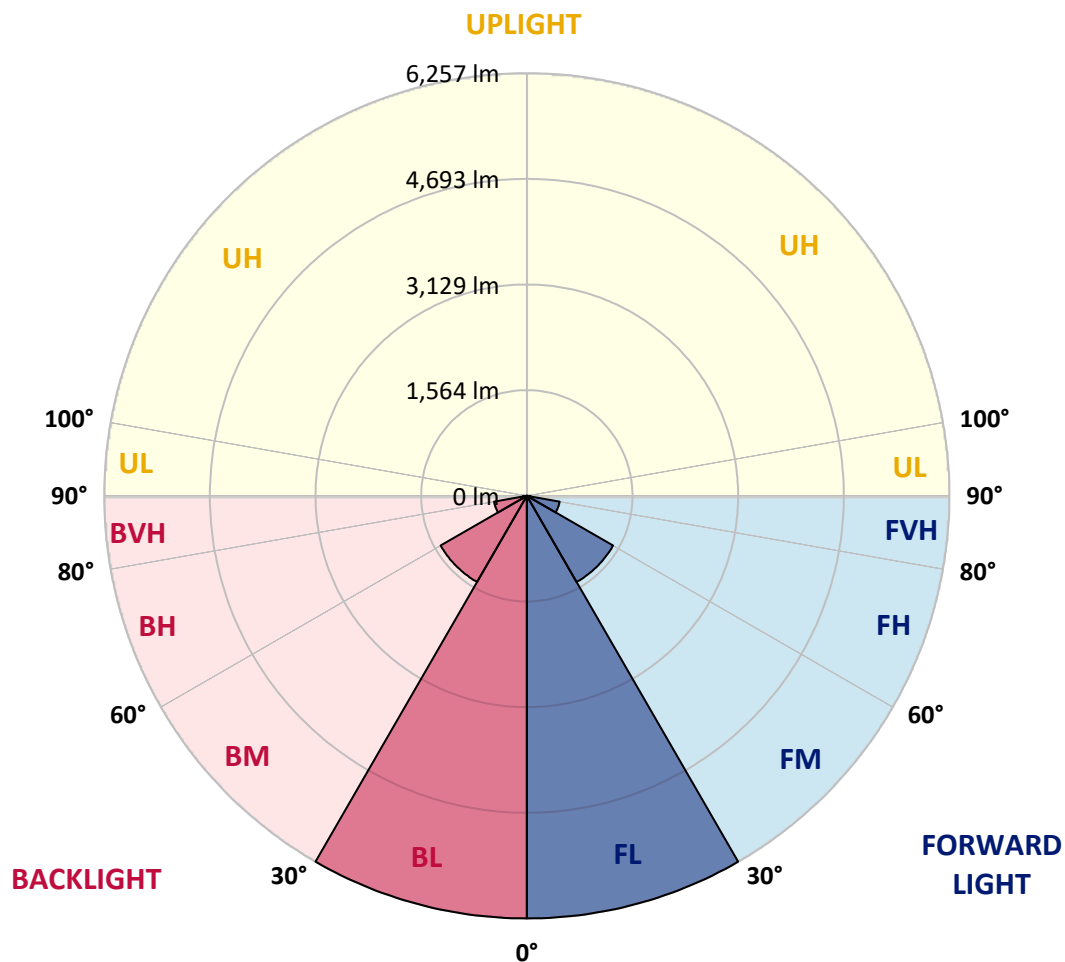
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6257.5	37.8			
FM	(30°-60°)	1473.9	8.9			
FH	(60°-80°)	492.6	3.0			G0/660
FVH	(80°-90°)	53.9	0.3			G1/100
BL	(0°-30°)	6257.5	37.8	B5		
BM	(30°-60°)	1473.9	8.9	B2/2500		
BH	(60°-80°)	492.6	3.0	B1/500		G0/660
BVH	(80°-90°)	53.9	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°	388870.5	388870.5	388870.5	388870.5	388870.5	388870.5	388870.5	388870.5	388870.5	388870.5
1°	375836.2	371978.6	373962.7	375859.1	378518.6	379690.0	380884.3	381777.2	381761.9	383234.8
2°	339942.2	333726.4	336607.3	340140.6	346974.5	348935.7	352213.4	356269.4	356517.5	360188.1
3°	286530.4	277803.9	282047.0	288339.0	299667.7	302598.2	307852.4	311561.2	309905.2	314201.6
4°	219874.4	208488.4	214971.2	224285.3	235312.6	246500.1	246721.4	249381.0	243920.7	243657.5
5°	148341.9	138302.9	146621.1	158270.3	167798.1	175616.4	180431.8	180763.7	174860.9	174322.9
6°	90473.4	83830.3	91068.7	103397.1	116595.5	119846.5	120582.9	118911.6	111169.6	106884.6
7°	50004.4	47295.3	54369.5	61726.1	72017.0	76775.2	73482.2	68140.3	65770.8	60669.2
8°	27575.9	26240.4	28258.9	34615.8	42602.0	45727.0	42548.6	37000.6	33005.6	31593.8
9°	16624.9	15884.6	16708.8	19128.0	22577.3	24744.6	22924.6	20192.5	18506.0	18036.7
10°	11042.6	10752.6	11103.6	11920.2	13160.3	13793.7	13339.6	12255.9	11744.6	11714.1
12.5°	5796.0	5742.6	5830.3	5921.9	6135.6	6169.9	6089.8	6013.5	5895.2	5941.0
15°	3731.7	3682.1	3773.7	3892.0	3945.4	3979.7	3983.6	3941.6	3861.5	3823.3
17.5°	2720.6	2732.0	2739.7	2808.3	2911.4	2991.5	2957.1	2911.4	2819.8	2774.0
20°	2239.8	2243.6	2258.9	2297.0	2331.4	2442.0	2407.7	2339.0	2251.2	2216.9
22.5°	1915.5	1923.1	1930.7	1953.6	1961.3	1991.8	1995.6	1934.5	1884.9	1865.9
25°	1686.5	1686.5	1698.0	1717.1	1724.7	1701.8	1705.6	1678.9	1633.1	1610.2
27.5°	1430.9	1438.5	1450.0	1457.6	1442.3	1415.6	1381.3	1404.2	1381.3	1327.9
30°	1274.4	1282.1	1316.4	1293.5	1259.2	1224.8	1205.8	1236.3	1240.1	1194.3
32.5°	1263.0	1266.8	1278.3	1266.8	1224.8	1182.9	1156.1	1190.5	1198.1	1179.0
35°	1320.2	1308.8	1324.0	1331.7	1289.7	1243.9	1209.6	1240.1	1263.0	1270.6
37.5°	1598.8	1533.9	1484.3	1469.0	1442.3	1411.8	1366.0	1373.6	1415.6	1453.8
40°	1522.5	1507.2	1488.1	1438.5	1388.9	1427.1	1373.6	1358.4	1453.8	1461.4
42.5°	1511.0	1522.5	1507.2	1446.1	1396.5	1434.7	1423.2	1377.5	1472.8	1461.4
45°	1518.6	1530.1	1564.4	1461.4	1419.4	1438.5	1461.4	1411.8	1507.2	1469.0
47.5°	1457.6	1472.8	1511.0	1453.8	1427.1	1423.2	1457.6	1411.8	1461.4	1457.6
50°	1377.5	1392.7	1404.2	1354.6	1404.2	1377.5	1381.3	1362.2	1362.2	1369.8
52.5°	1274.4	1289.7	1301.1	1243.9	1274.4	1285.9	1240.1	1236.3	1201.9	1213.4
55°	1148.5	1171.4	1182.9	1160.0	1144.7	1167.6	1102.7	1095.1	1026.4	1030.2
57.5°	1003.5	1026.4	1037.9	1064.6	1053.1	1007.3	969.2	938.7	862.3	831.8
60°	1034.0	1056.9	1034.0	957.7	957.7	854.7	820.4	755.5	679.2	641.0
62.5°	999.7	1030.2	1026.4	946.3	850.9	721.2	660.1	591.4	515.1	465.5
65°	942.5	973.0	957.7	904.3	812.7	618.1	526.6	457.9	362.5	351.0
67.5°	847.1	892.9	862.3	828.0	755.5	560.9	419.7	343.4	263.3	263.3
70°	702.1	736.4	755.5	717.3	675.4	526.6	358.7	263.3	190.8	145.0
72.5°	564.7	595.2	625.8	606.7	568.5	477.0	320.5	209.9	137.4	83.9
75°	312.9	324.3	335.8	381.6	435.0	389.2	293.8	183.2	114.5	64.9
77.5°	240.4	251.8	278.5	255.7	236.6	301.4	320.5	213.7	99.2	45.8
80°	187.0	202.2	286.2	236.6	202.2	228.9	274.7	187.0	64.9	22.9
82.5°	141.2	152.6	202.2	225.1	213.7	171.7	148.8	125.9	57.2	15.3
85°	103.0	118.3	141.2	125.9	122.1	122.1	164.1	110.7	42.0	11.4
87.5°	61.1	61.1	64.9	61.1	57.2	57.2	64.9	53.4	26.7	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

388870.5

380273.8
356944.8
309607.6
242497.5
172144.1
107258.6
58273.0
30311.7
17399.5
11351.6
5769.3
3762.3
2724.4
2178.7
1843.0
1591.1
1331.7
1179.0
1167.6
1270.6
1488.1
1472.8
1453.8
1457.6
1450.0
1343.1
1194.3
1003.5
812.7
610.5
457.9
351.0
232.8
129.7
80.1
57.2
22.9
15.3
11.4
7.6
7.6
0.0

OF REPORT)