

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: P635943

Luminaire Tested: **IFLD-M-SA4D-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635943
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16599.9 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 249.7
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

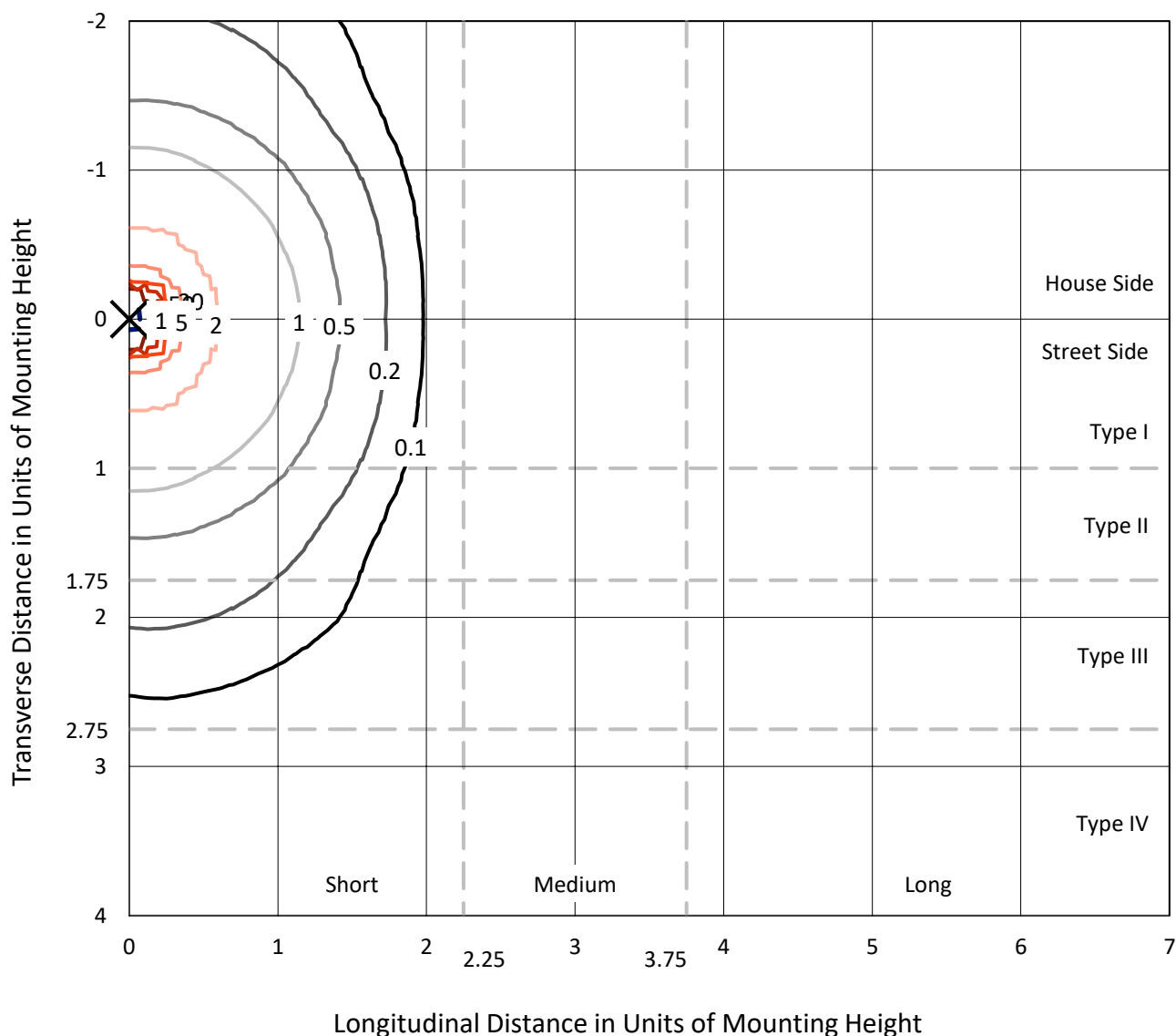


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

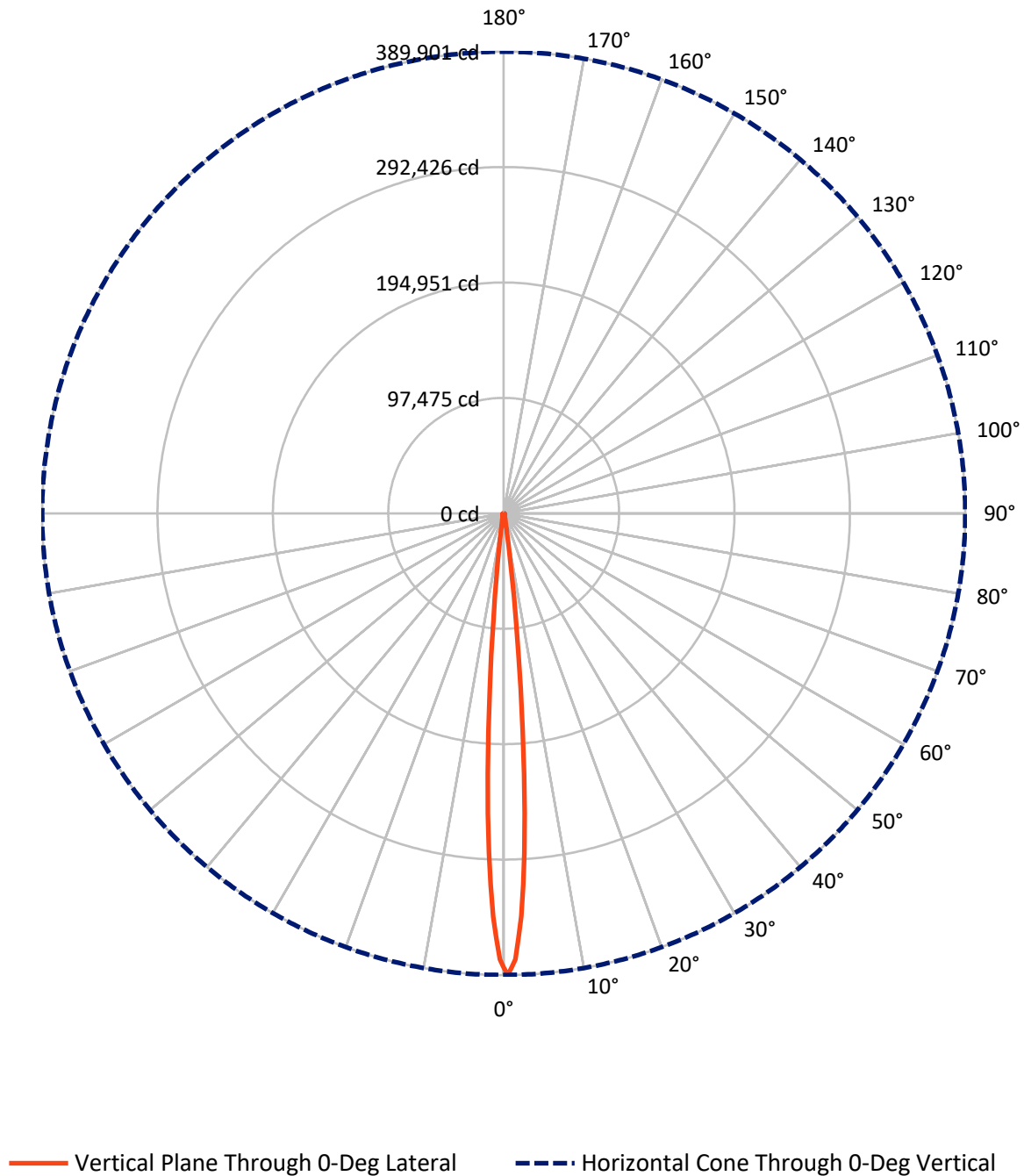
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 974.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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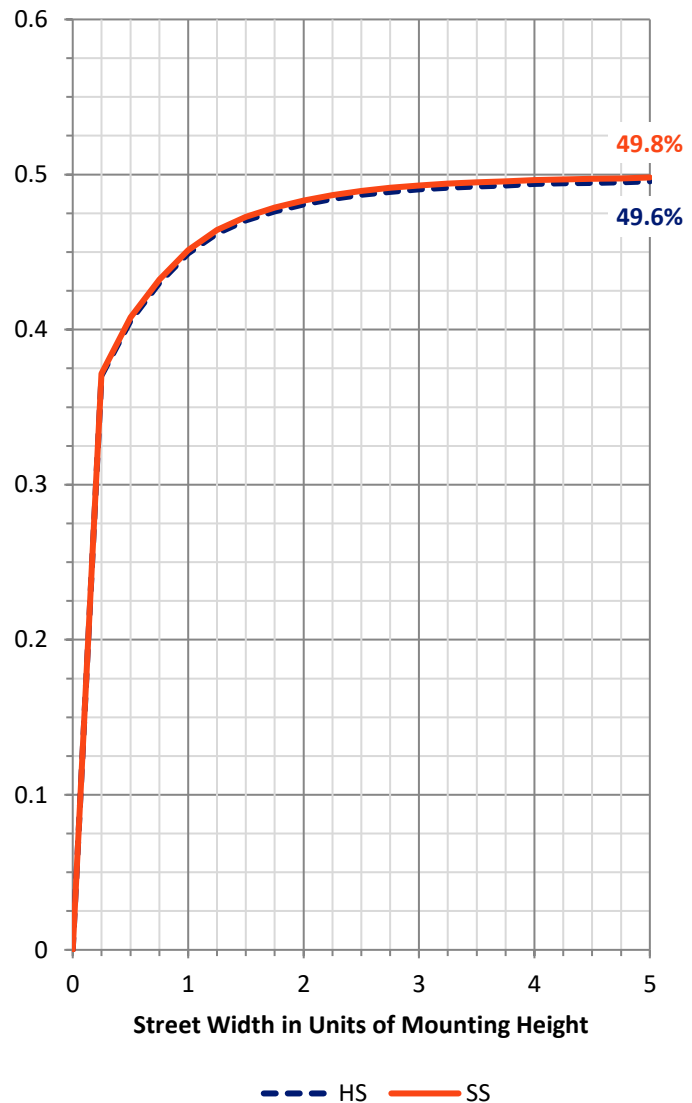
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8299.9	0.0	8299.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8299.9	0.0	8299.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	16599.9	0.0	16599.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10477.5	63.1
10°-20°	1294.9	7.8
20°-30°	775.8	4.7
30°-40°	834.2	5.0
40°-50°	1121.6	6.8
50°-60°	999.9	6.0
60°-70°	660.4	4.0
70°-80°	327.5	2.0
80°-90°	108.1	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°	16599.9	100.0
0°-180°	16599.9	100.0



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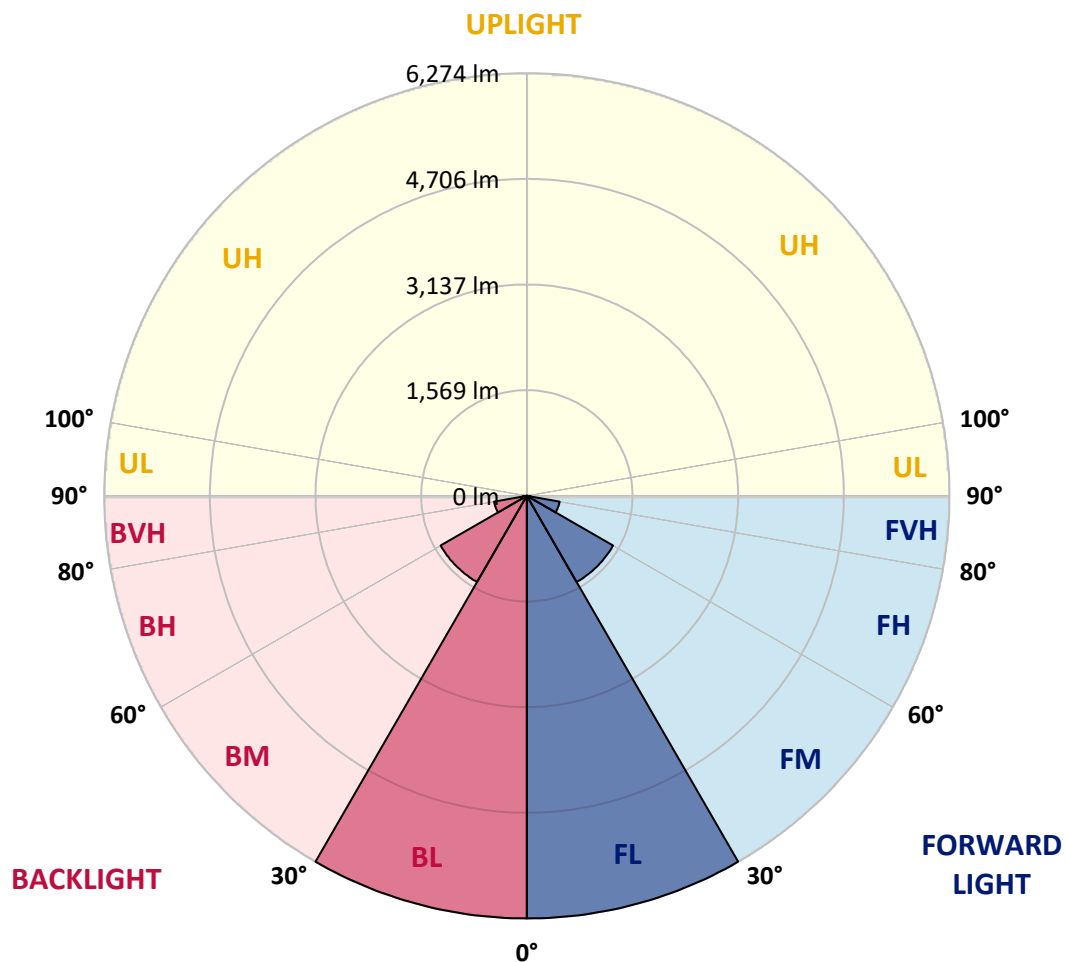
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6274.1	37.8			
FM	(30°-60°)	1477.9	8.9			
FH	(60°-80°)	494.0	3.0			G0/660
FVH	(80°-90°)	54.1	0.3			G1/100
BL	(0°-30°)	6274.1	37.8	B5		
BM	(30°-60°)	1477.9	8.9	B2/2500		
BH	(60°-80°)	494.0	3.0	B1/500		G0/660
BVH	(80°-90°)	54.1	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°	389901.3	389901.3	389901.3	389901.3	389901.3	389901.3	389901.3	389901.3	389901.3	389901.3
1°	376832.4	372964.5	374953.9	376855.3	379521.9	380696.4	381893.9	382789.1	382773.8	384250.6
2°	340843.2	334611.0	337499.5	341042.1	347894.1	349860.6	353146.9	357213.7	357462.4	361142.8
3°	287289.8	278540.2	282794.5	289103.2	300462.0	303400.2	308668.3	312387.0	310726.6	315034.4
4°	220457.1	209041.0	215541.0	224879.8	235936.3	247153.5	247375.4	250042.0	244567.3	244303.3
5°	148735.1	138669.5	147009.7	158689.8	168242.8	176081.8	180910.0	181242.8	175324.3	174784.9
6°	90713.2	84052.5	91310.1	103671.2	116904.6	120164.1	120902.5	119226.8	111464.3	107167.9
7°	50136.9	47420.6	54513.6	61889.8	72207.9	76978.7	73677.0	68320.9	65945.1	60830.0
8°	27649.0	26309.9	28333.8	34707.5	42714.9	45848.2	42661.4	37098.7	33093.1	31677.5
9°	16669.0	15926.8	16753.1	19178.7	22637.2	24810.2	22985.3	20246.1	18555.1	18084.5
10°	11071.8	10781.1	11133.0	11951.8	13195.1	13830.2	13375.0	12288.4	11775.8	11745.2
12.5°	5811.4	5757.8	5845.8	5937.6	6151.9	6186.3	6106.0	6029.4	5910.8	5956.8
15°	3741.6	3691.9	3783.7	3902.3	3955.9	3990.3	3994.1	3952.0	3871.7	3833.4
17.5°	2727.8	2739.3	2746.9	2815.8	2919.1	2999.4	2965.0	2919.1	2827.3	2781.3
20°	2245.7	2249.6	2264.9	2303.1	2337.6	2448.5	2414.1	2345.2	2257.2	2222.8
22.5°	1920.5	1928.2	1935.8	1958.8	1966.5	1997.1	2000.9	1939.7	1889.9	1870.8
25°	1691.0	1691.0	1702.5	1721.6	1729.3	1706.3	1710.1	1683.3	1637.4	1614.5
27.5°	1434.7	1442.3	1453.8	1461.5	1446.1	1419.4	1384.9	1407.9	1384.9	1331.4
30°	1277.8	1285.5	1319.9	1296.9	1262.5	1228.1	1208.9	1239.6	1243.4	1197.5
32.5°	1266.3	1270.2	1281.6	1270.2	1228.1	1186.0	1159.2	1193.6	1201.3	1182.2
35°	1323.7	1312.2	1327.5	1335.2	1293.1	1247.2	1212.8	1243.4	1266.3	1274.0
37.5°	1603.0	1538.0	1488.2	1472.9	1446.1	1415.5	1369.6	1377.3	1419.4	1457.6
40°	1526.5	1511.2	1492.1	1442.3	1392.6	1430.8	1377.3	1362.0	1457.6	1465.3
42.5°	1515.0	1526.5	1511.2	1450.0	1400.2	1438.5	1427.0	1381.1	1476.8	1465.3
45°	1522.7	1534.1	1568.6	1465.3	1423.2	1442.3	1465.3	1415.5	1511.2	1472.9
47.5°	1461.5	1476.8	1515.0	1457.6	1430.8	1427.0	1461.5	1415.5	1465.3	1461.5
50°	1381.1	1396.4	1407.9	1358.2	1407.9	1381.1	1384.9	1365.8	1365.8	1373.5
52.5°	1277.8	1293.1	1304.6	1247.2	1277.8	1289.3	1243.4	1239.6	1205.1	1216.6
55°	1151.6	1174.5	1186.0	1163.0	1147.7	1170.7	1105.7	1098.0	1029.1	1033.0
57.5°	1006.2	1029.1	1040.6	1067.4	1055.9	1010.0	971.7	941.1	864.6	834.0
60°	1036.8	1059.7	1036.8	960.3	960.3	857.0	822.5	757.5	681.0	642.7
62.5°	1002.4	1033.0	1029.1	948.8	853.2	723.1	661.9	593.0	516.5	466.7
65°	945.0	975.6	960.3	906.7	814.9	619.8	528.0	459.1	363.4	352.0
67.5°	849.3	895.2	864.6	830.2	757.5	562.4	420.8	344.3	264.0	264.0
70°	703.9	738.4	757.5	719.2	677.2	528.0	359.6	264.0	191.3	145.4
72.5°	566.2	596.8	627.4	608.3	570.0	478.2	321.4	210.4	137.7	84.2
75°	313.7	325.2	336.7	382.6	436.1	390.2	294.6	183.6	114.8	65.0
77.5°	241.0	252.5	279.3	256.3	237.2	302.2	321.4	214.2	99.5	45.9
80°	187.5	202.8	286.9	237.2	202.8	229.5	275.5	187.5	65.0	23.0
82.5°	141.6	153.0	202.8	225.7	214.2	172.2	149.2	126.3	57.4	15.3
85°	103.3	118.6	141.6	126.3	122.4	122.4	164.5	110.9	42.1	11.5
87.5°	61.2	61.2	65.0	61.2	57.4	57.4	65.0	53.6	26.8	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

389901.3
381281.8
357890.9
310428.2
243140.2
172600.4
107542.9
58427.4
30392.1
17445.6
11381.7
5784.6
3772.2
2731.6
2184.5
1847.9
1595.4
1335.2
1182.2
1170.7
1274.0
1492.1
1476.8
1457.6
1461.5
1453.8
1346.7
1197.5
1006.2
814.9
612.1
459.1
352.0
233.4
130.1
80.3
57.4
23.0
15.3
11.5
7.7
7.7
0.0

OF REPORT)