

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: P635962

Luminaire Tested: **IFLD-S-SA3D-950-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635962
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-950-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12367.2 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 184.1
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



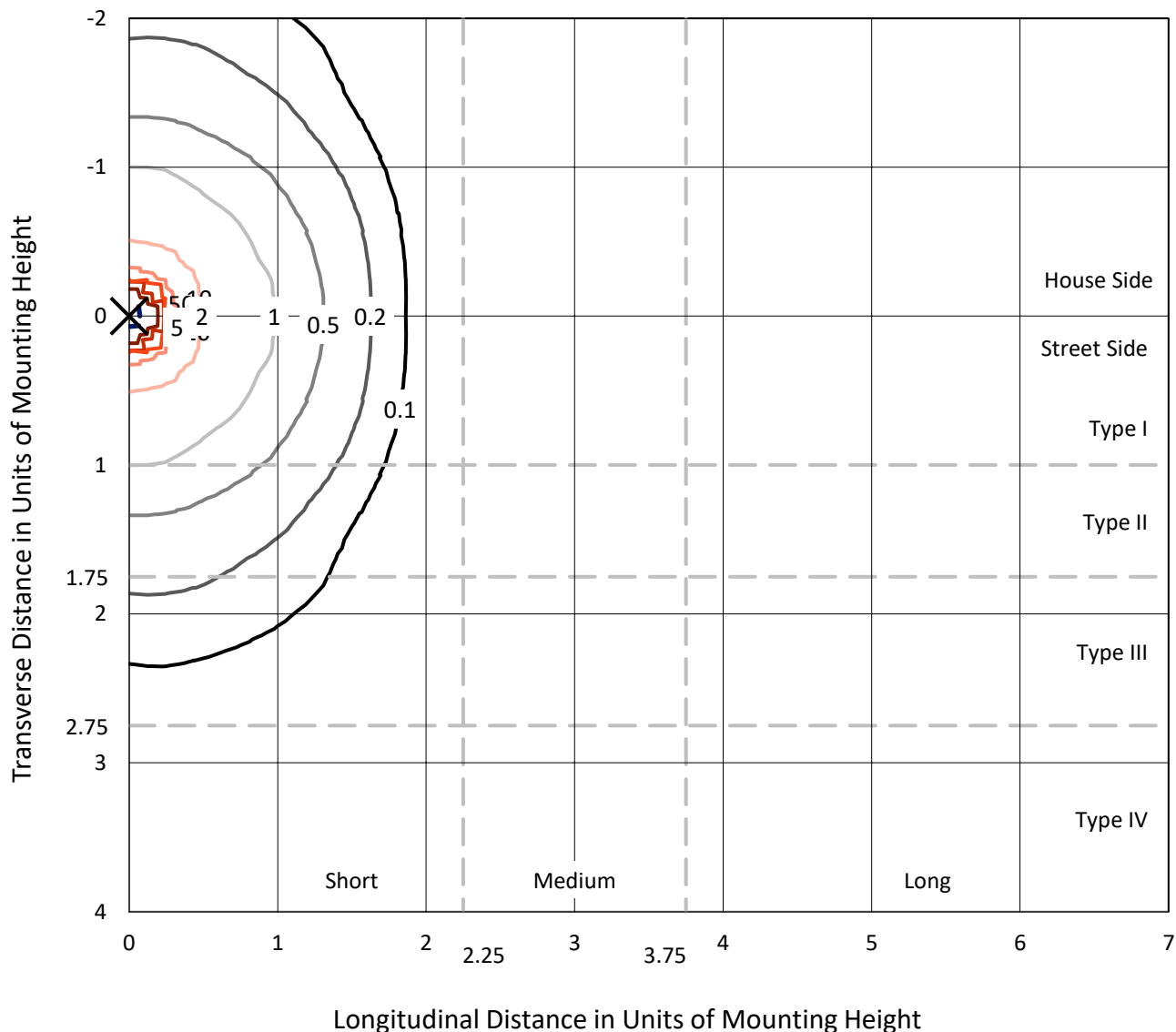
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

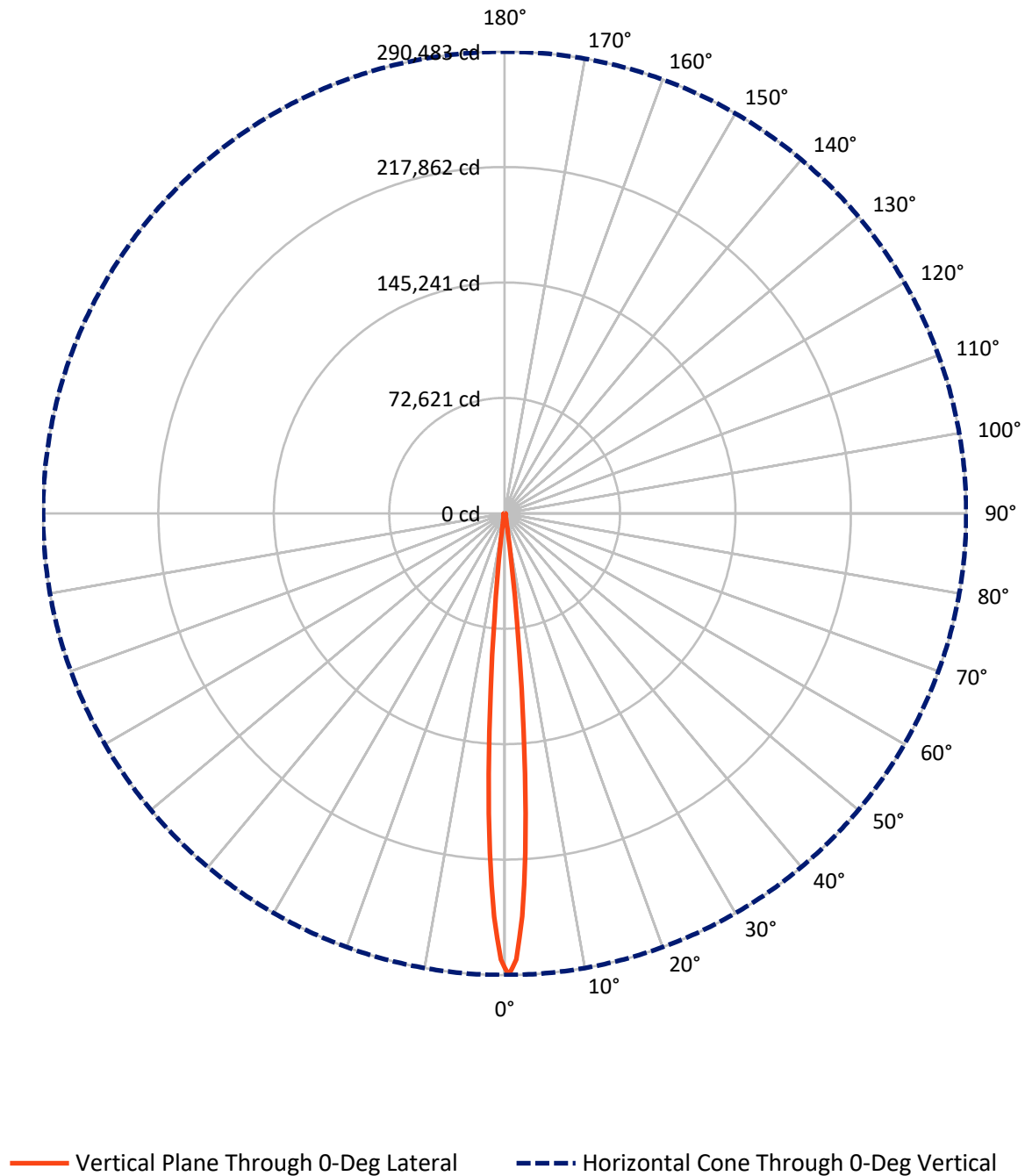


Based on 20 foot mounting height. Maximum calculated value = 726.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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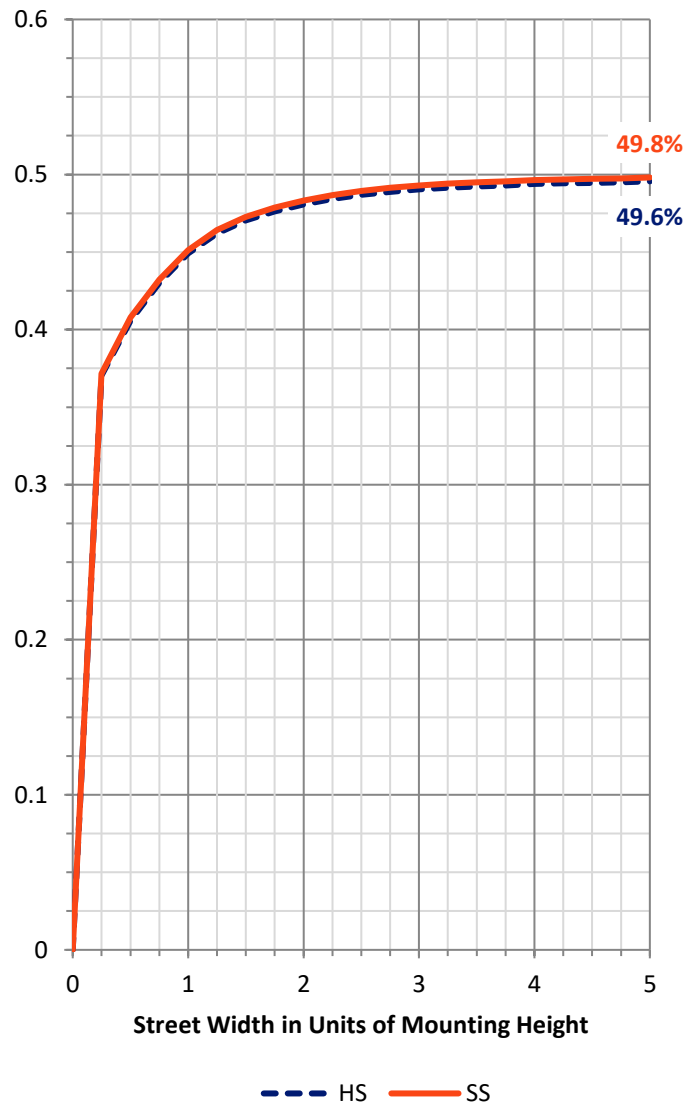
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6183.6	0.0	6183.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6183.6	0.0	6183.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	12367.2	0.0	12367.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7805.9	63.1
10°-20°	964.7	7.8
20°-30°	578.0	4.7
30°-40°	621.5	5.0
40°-50°	835.7	6.8
50°-60°	744.9	6.0
60°-70°	492.0	4.0
70°-80°	244.0	2.0
80°-90°	80.6	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°	12367.2	100.0
0°-180°	12367.2	100.0



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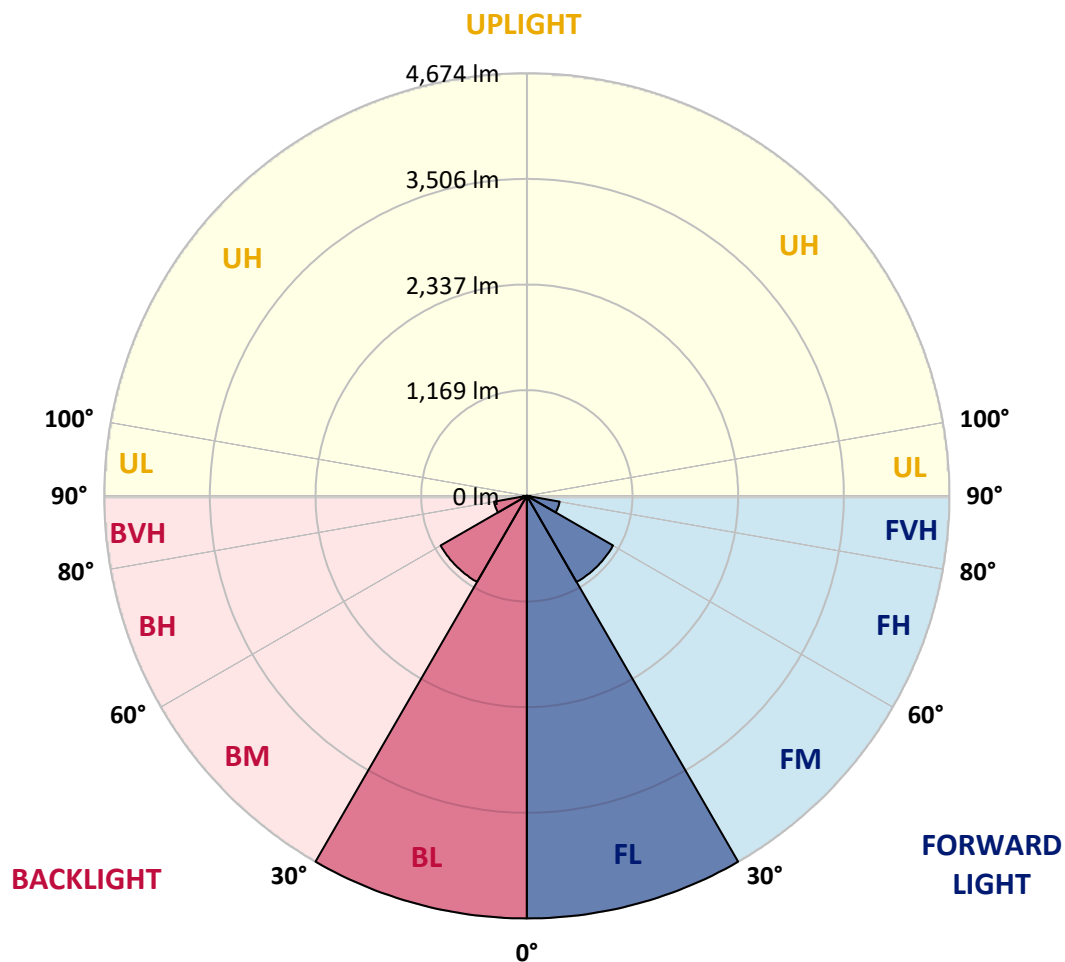
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4674.3	37.8			
FM	(30°-60°)	1101.0	8.9			
FH	(60°-80°)	368.0	3.0			G0/660
FVH	(80°-90°)	40.3	0.3			G1/100
BL	(0°-30°)	4674.3	37.8	B4/5000		
BM	(30°-60°)	1101.0	8.9	B2/2500		
BH	(60°-80°)	368.0	3.0	B1/500		G0/660
BVH	(80°-90°)	40.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	290482.5	290482.5	290482.5	290482.5	290482.5	290482.5	290482.5	290482.5	290482.5	290482.5
1°	280745.9	277864.3	279346.5	280763.0	282749.7	283624.7	284516.8	285183.8	285172.4	286272.6
2°	253933.4	249290.4	251442.3	254081.7	259186.5	260651.5	263099.9	266129.7	266315.0	269057.0
3°	214035.4	207516.8	210686.3	215386.4	223848.8	226037.8	229962.7	232733.1	231496.1	234705.5
4°	164244.0	155738.8	160581.4	167538.9	175776.2	184133.2	184298.5	186285.1	182206.4	182009.7
5°	110810.0	103310.9	109524.5	118226.4	125343.5	131183.7	134780.7	135028.7	130619.3	130217.5
6°	67582.8	62620.4	68027.4	77236.6	87095.7	89524.1	90074.2	88825.8	83042.6	79841.8
7°	37352.8	35329.1	40613.5	46108.8	53796.0	57350.3	54890.5	50900.1	49130.1	45319.3
8°	20598.9	19601.3	21109.1	25857.7	31823.3	34157.6	31783.4	27639.1	24654.8	23600.2
9°	12418.6	11865.7	12481.3	14288.4	16865.0	18484.0	17124.4	15083.6	13823.8	13473.2
10°	8248.7	8032.1	8294.3	8904.2	9830.6	10303.7	9964.5	9155.1	8773.1	8750.3
12.5°	4329.6	4289.7	4355.2	4423.6	4583.2	4608.9	4549.0	4492.0	4403.7	4437.9
15°	2787.6	2750.5	2818.9	2907.3	2947.2	2972.8	2975.7	2944.3	2884.5	2856.0
17.5°	2032.2	2040.8	2046.5	2097.8	2174.8	2234.6	2209.0	2174.8	2106.3	2072.1
20°	1673.1	1676.0	1687.4	1715.9	1741.5	1824.2	1798.5	1747.2	1681.7	1656.0
22.5°	1430.8	1436.5	1442.2	1459.3	1465.0	1487.8	1490.7	1445.1	1408.0	1393.8
25°	1259.8	1259.8	1268.4	1282.6	1288.3	1271.2	1274.1	1254.1	1219.9	1202.8
27.5°	1068.9	1074.6	1083.1	1088.8	1077.4	1057.5	1031.8	1048.9	1031.8	991.9
30°	952.0	957.7	983.3	966.2	940.6	914.9	900.7	923.5	926.3	892.1
32.5°	943.4	946.3	954.8	946.3	914.9	883.6	863.6	889.3	895.0	880.7
35°	986.2	977.6	989.0	994.7	963.4	929.2	903.5	926.3	943.4	949.1
37.5°	1194.3	1145.8	1108.8	1097.4	1077.4	1054.6	1020.4	1026.1	1057.5	1086.0
40°	1137.3	1125.9	1111.6	1074.6	1037.5	1066.0	1026.1	1014.7	1086.0	1091.7
42.5°	1128.7	1137.3	1125.9	1080.3	1043.2	1071.7	1063.2	1028.9	1100.2	1091.7
45°	1134.4	1143.0	1168.6	1091.7	1060.3	1074.6	1091.7	1054.6	1125.9	1097.4
47.5°	1088.8	1100.2	1128.7	1086.0	1066.0	1063.2	1088.8	1054.6	1091.7	1088.8
50°	1028.9	1040.3	1048.9	1011.8	1048.9	1028.9	1031.8	1017.5	1017.5	1023.2
52.5°	952.0	963.4	971.9	929.2	952.0	960.5	926.3	923.5	897.8	906.4
55°	857.9	875.0	883.6	866.5	855.1	872.2	823.7	818.0	766.7	769.6
57.5°	749.6	766.7	775.3	795.2	786.7	752.5	724.0	701.2	644.2	621.4
60°	772.4	789.5	772.4	715.4	715.4	638.5	612.8	564.4	507.3	478.8
62.5°	746.8	769.6	766.7	706.9	635.6	538.7	493.1	441.8	384.8	347.7
65°	704.0	726.8	715.4	675.5	607.1	461.7	393.3	342.0	270.8	262.2
67.5°	632.8	667.0	644.2	618.5	564.4	419.0	313.5	256.5	196.7	196.7
70°	524.4	550.1	564.4	535.9	504.5	393.3	267.9	196.7	142.5	108.3
72.5°	421.8	444.6	467.4	453.2	424.7	356.3	239.4	156.8	102.6	62.7
75°	233.7	242.3	250.8	285.0	324.9	290.7	219.5	136.8	85.5	48.5
77.5°	179.6	188.1	208.1	191.0	176.7	225.2	239.4	159.6	74.1	34.2
80°	139.7	151.1	213.8	176.7	151.1	171.0	205.2	139.7	48.5	17.1
82.5°	105.5	114.0	151.1	168.2	159.6	128.3	111.2	94.1	42.8	11.4
85°	77.0	88.4	105.5	94.1	91.2	91.2	122.6	82.7	31.4	8.6
87.5°	45.6	45.6	48.5	45.6	42.8	42.8	48.5	39.9	20.0	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

290482.5

284060.8
266634.2
231273.8
181143.2
128589.9
80121.1
43529.3
22642.5
12997.2
8479.6
4309.6
2810.4
2035.1
1627.5
1376.7
1188.6
994.7
880.7
872.2
949.1
1111.6
1100.2
1086.0
1088.8
1083.1
1003.3
892.1
749.6
607.1
456.0
342.0
262.2
173.9
96.9
59.9
42.8
17.1
11.4
8.6
5.7
5.7
0.0

OF REPORT)