

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: P635963

Luminaire Tested: **IFLD-S-SA3E-950-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635963
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-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: 14312.6 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 232.1
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



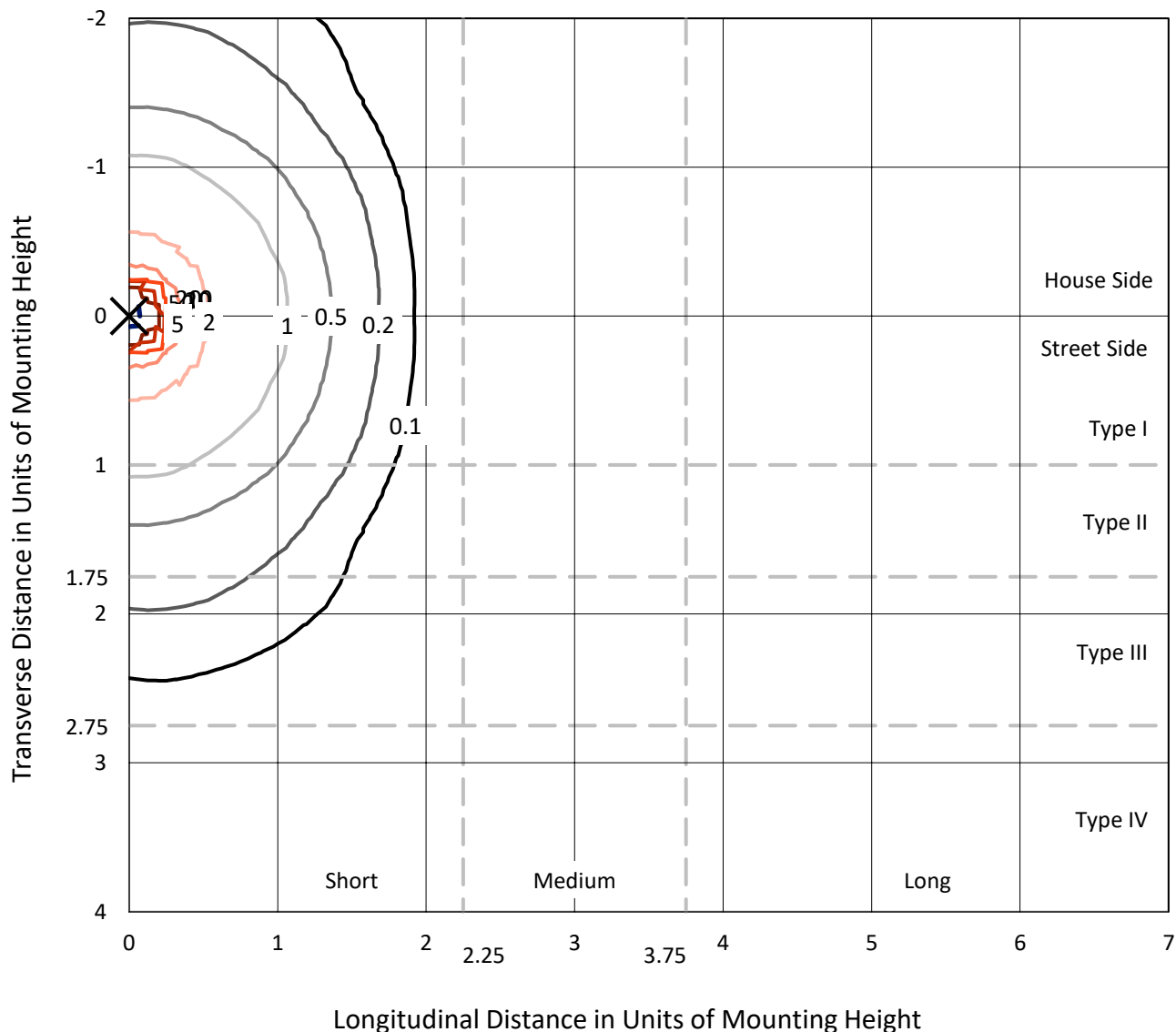
REPORT NUMBER: P635963

CATALOG NUMBER: IFLD-S-SA3E-950-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

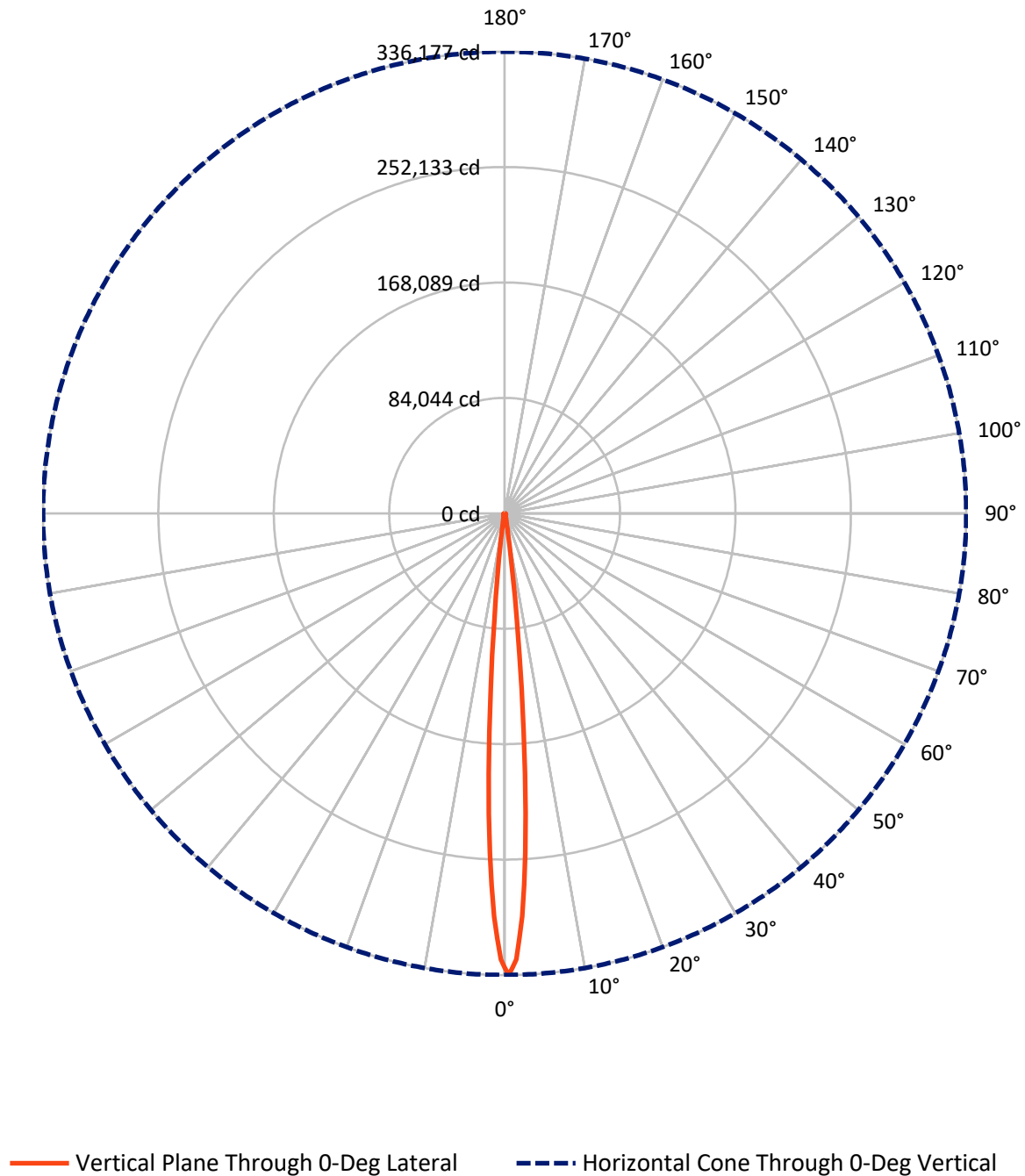


Based on 20 foot mounting height. Maximum calculated value = 840.4 fc

Type V - Short - N/A

REPORT NUMBER: P635963
CATALOG NUMBER: IFLD-S-SA3E-950-U-11-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P635963

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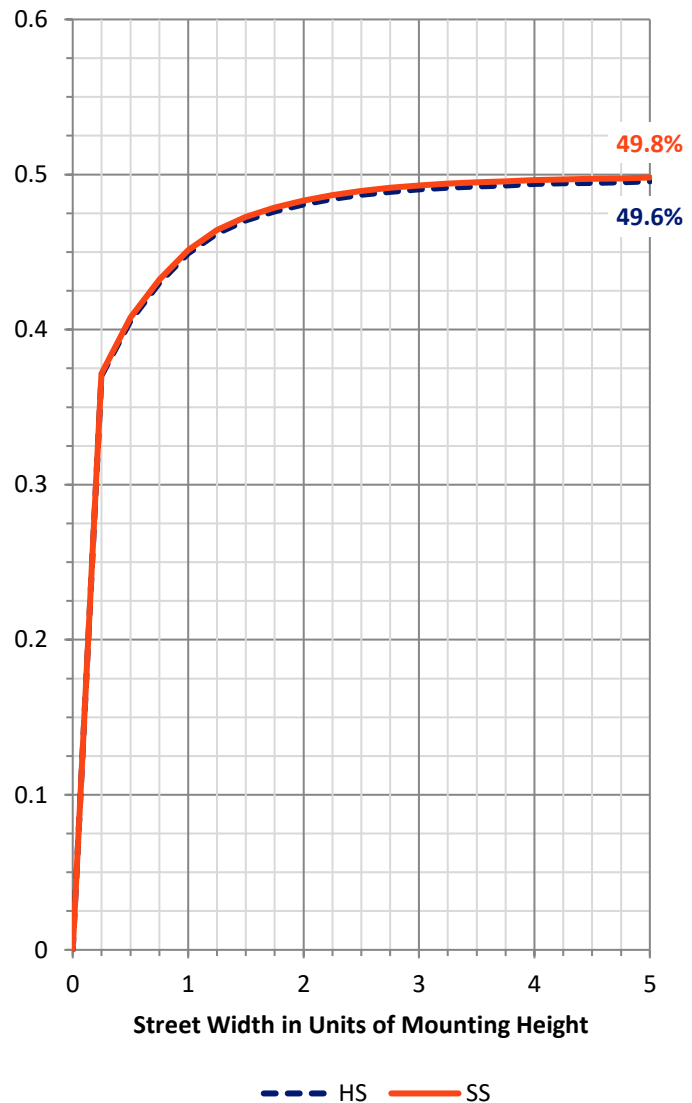
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7156.3	0.0	7156.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7156.3	0.0	7156.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	14312.6	0.0	14312.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9033.8	63.1
10°-20°	1116.5	7.8
20°-30°	668.9	4.7
30°-40°	719.2	5.0
40°-50°	967.1	6.8
50°-60°	862.1	6.0
60°-70°	569.4	4.0
70°-80°	282.3	2.0
80°-90°	93.2	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°	14312.6	100.0
0°-180°	14312.6	100.0



REPORT NUMBER: P635963

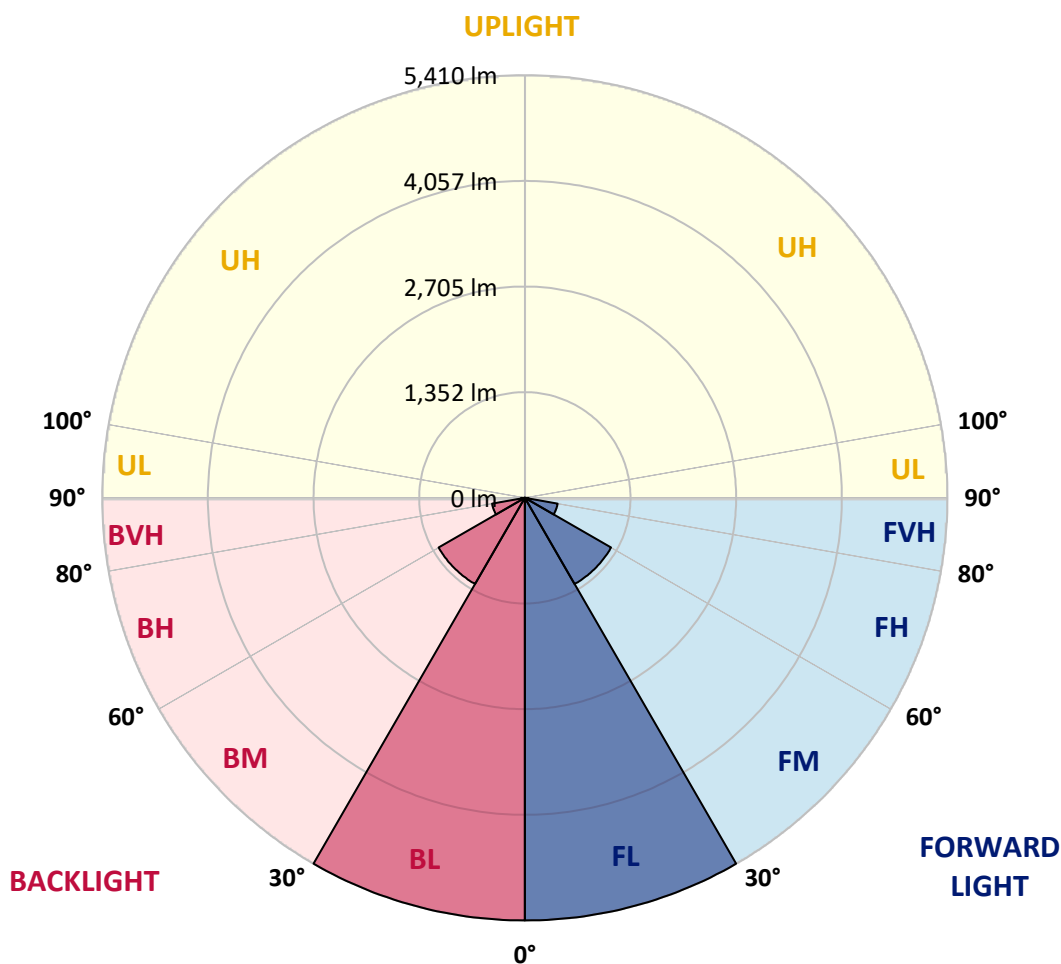
CATALOG NUMBER: IFLD-S-SA3E-950-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5409.6	37.8			
FM	(30°-60°)	1274.2	8.9			
FH	(60°-80°)	425.9	3.0			G0/660
FVH	(80°-90°)	46.6	0.3			G1/100
BL	(0°-30°)	5409.6	37.8	B5		
BM	(30°-60°)	1274.2	8.9	B2/2500		
BH	(60°-80°)	425.9	3.0	B1/500		G0/660
BVH	(80°-90°)	46.6	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°	336177.1	336177.1	336177.1	336177.1	336177.1	336177.1	336177.1	336177.1	336177.1	336177.1
1°	324909.0	321574.1	323289.4	324928.8	327227.9	328240.6	329273.1	330045.0	330031.8	331305.1
2°	293878.7	288505.3	290995.7	294050.3	299958.1	301653.6	304487.2	307993.6	308208.0	311381.3
3°	247704.4	240160.5	243828.5	249268.0	259061.6	261595.0	266137.2	269343.5	267911.9	271626.1
4°	190080.6	180237.4	185841.8	193893.8	203426.9	213098.5	213289.8	215588.9	210868.6	210641.0
5°	128241.1	119562.3	126753.4	136824.1	145060.8	151819.7	155982.6	156269.6	151166.6	150701.5
6°	78213.9	72471.0	78728.5	89386.4	100796.4	103606.8	104243.5	102798.7	96105.7	92401.4
7°	43228.6	40886.6	47002.3	53362.0	62258.4	66371.8	63525.1	58907.0	56858.6	52448.3
8°	23839.2	22684.7	24429.7	29925.2	36829.3	39530.8	36783.1	31986.9	28533.2	27312.7
9°	14372.2	13732.2	14444.7	16536.1	19518.0	21391.7	19818.2	17456.4	15998.4	15592.7
10°	9546.3	9295.6	9599.0	10304.9	11377.0	11924.6	11532.0	10595.2	10153.2	10126.8
12.5°	5010.6	4964.4	5040.3	5119.5	5304.2	5333.9	5264.6	5198.6	5096.4	5136.0
15°	3226.1	3183.2	3262.4	3364.6	3410.8	3440.5	3443.8	3407.5	3338.2	3305.2
17.5°	2351.9	2361.8	2368.4	2427.8	2516.9	2586.1	2556.4	2516.9	2437.7	2398.1
20°	1936.3	1939.6	1952.8	1985.8	2015.5	2111.1	2081.4	2022.1	1946.2	1916.5
22.5°	1655.9	1662.5	1669.1	1688.9	1695.5	1721.9	1725.2	1672.4	1629.5	1613.0
25°	1458.0	1458.0	1467.9	1484.4	1491.0	1471.2	1474.5	1451.4	1411.8	1392.0
27.5°	1237.0	1243.6	1253.5	1260.1	1246.9	1223.8	1194.1	1213.9	1194.1	1147.9
30°	1101.7	1108.3	1138.0	1118.2	1088.5	1058.9	1042.4	1068.8	1072.1	1032.5
32.5°	1091.8	1095.1	1105.0	1095.1	1058.9	1022.6	999.5	1029.2	1035.8	1019.3
35°	1141.3	1131.4	1144.6	1151.2	1114.9	1075.4	1045.7	1072.1	1091.8	1098.4
37.5°	1382.1	1326.1	1283.2	1270.0	1246.9	1220.5	1180.9	1187.5	1223.8	1256.8
40°	1316.2	1303.0	1286.5	1243.6	1200.7	1233.7	1187.5	1174.3	1256.8	1263.4
42.5°	1306.3	1316.2	1303.0	1250.2	1207.3	1240.3	1230.4	1190.8	1273.3	1263.4
45°	1312.9	1322.8	1352.4	1263.4	1227.1	1243.6	1263.4	1220.5	1303.0	1270.0
47.5°	1260.1	1273.3	1306.3	1256.8	1233.7	1230.4	1260.1	1220.5	1263.4	1260.1
50°	1190.8	1204.0	1213.9	1171.0	1213.9	1190.8	1194.1	1177.6	1177.6	1184.2
52.5°	1101.7	1114.9	1124.8	1075.4	1101.7	1111.6	1072.1	1068.8	1039.1	1049.0
55°	992.9	1012.7	1022.6	1002.8	989.6	1009.4	953.3	946.7	887.3	890.6
57.5°	867.5	887.3	897.2	920.3	910.4	870.8	837.9	811.5	745.5	719.1
60°	893.9	913.7	893.9	828.0	828.0	738.9	709.2	653.1	587.2	554.2
62.5°	864.2	890.6	887.3	818.1	735.6	623.4	570.7	511.3	445.3	402.4
65°	814.8	841.2	828.0	781.8	702.6	534.4	455.2	395.8	313.4	303.5
67.5°	732.3	771.9	745.5	715.8	653.1	484.9	362.8	296.9	227.6	227.6
70°	606.9	636.6	653.1	620.1	583.9	455.2	310.1	227.6	164.9	125.3
72.5°	488.2	514.6	541.0	524.5	491.5	412.3	277.1	181.4	118.8	72.6
75°	270.5	280.4	290.3	329.9	376.0	336.5	254.0	158.3	99.0	56.1
77.5°	207.8	217.7	240.8	221.0	204.5	260.6	277.1	184.7	85.8	39.6
80°	161.6	174.8	247.4	204.5	174.8	197.9	237.5	161.6	56.1	19.8
82.5°	122.0	131.9	174.8	194.6	184.7	148.4	128.6	108.9	49.5	13.2
85°	89.1	102.3	122.0	108.9	105.6	105.6	141.8	95.7	36.3	9.9
87.5°	52.8	52.8	56.1	52.8	49.5	49.5	56.1	46.2	23.1	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

336177.1

328745.3

308577.5

267654.6

209638.2

148817.9

92724.6

50376.8

26204.4

15041.8

9813.4

4987.5

3252.5

2355.2

1883.5

1593.2

1375.5

1151.2

1019.3

1009.4

1098.4

1286.5

1273.3

1256.8

1260.1

1253.5

1161.1

1032.5

867.5

702.6

527.8

395.8

303.5

201.2

112.2

69.3

49.5

19.8

13.2

9.9

6.6

6.6

0.0

OF REPORT)