

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: P635922

Luminaire Tested: **IFLD-L-SA8B-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635922
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19844.2 lumens
Efficiency: N/A
Efficacy: 62.0 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): 320
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



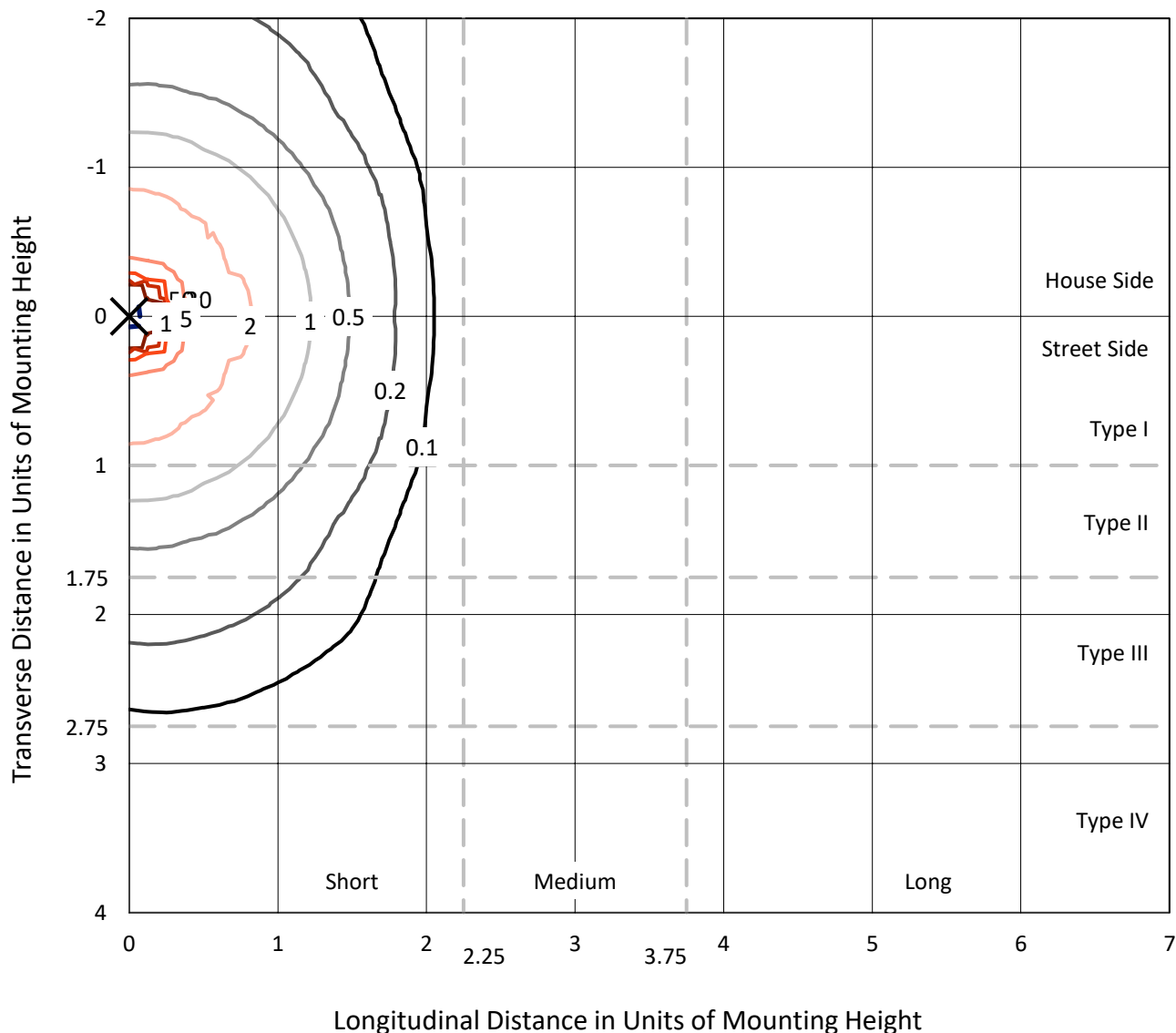
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

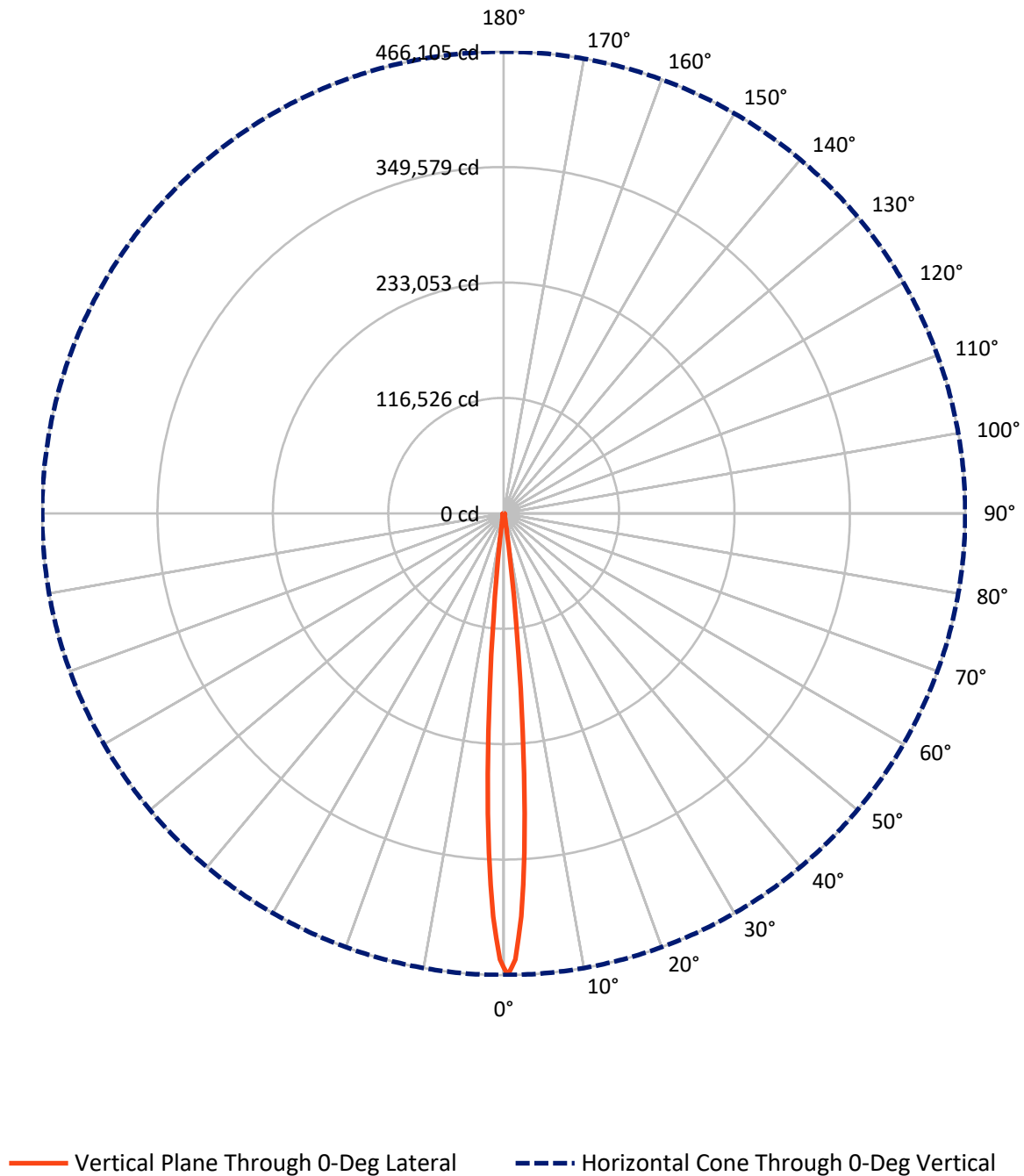


Based on 20 foot mounting height. Maximum calculated value = 1165.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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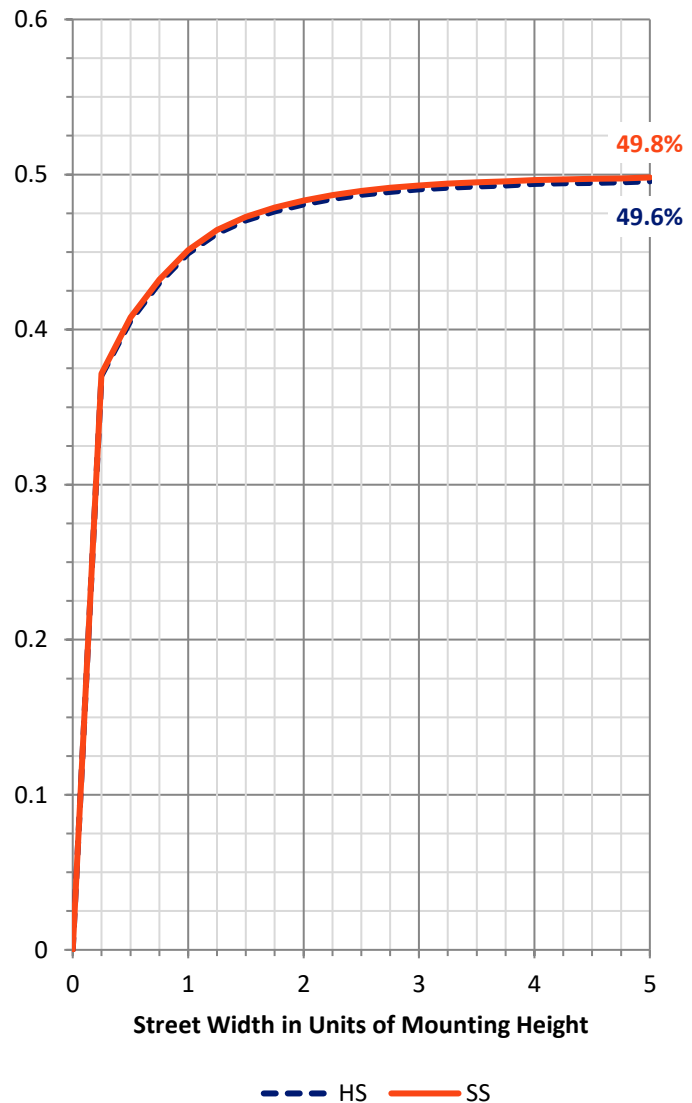
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9922.1	0.0	9922.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9922.1	0.0	9922.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	19844.2	0.0	19844.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12525.2	63.1
10°-20°	1548.0	7.8
20°-30°	927.5	4.7
30°-40°	997.2	5.0
40°-50°	1340.9	6.8
50°-60°	1195.3	6.0
60°-70°	789.5	4.0
70°-80°	391.5	2.0
80°-90°	129.2	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°	19844.2	100.0
0°-180°	19844.2	100.0



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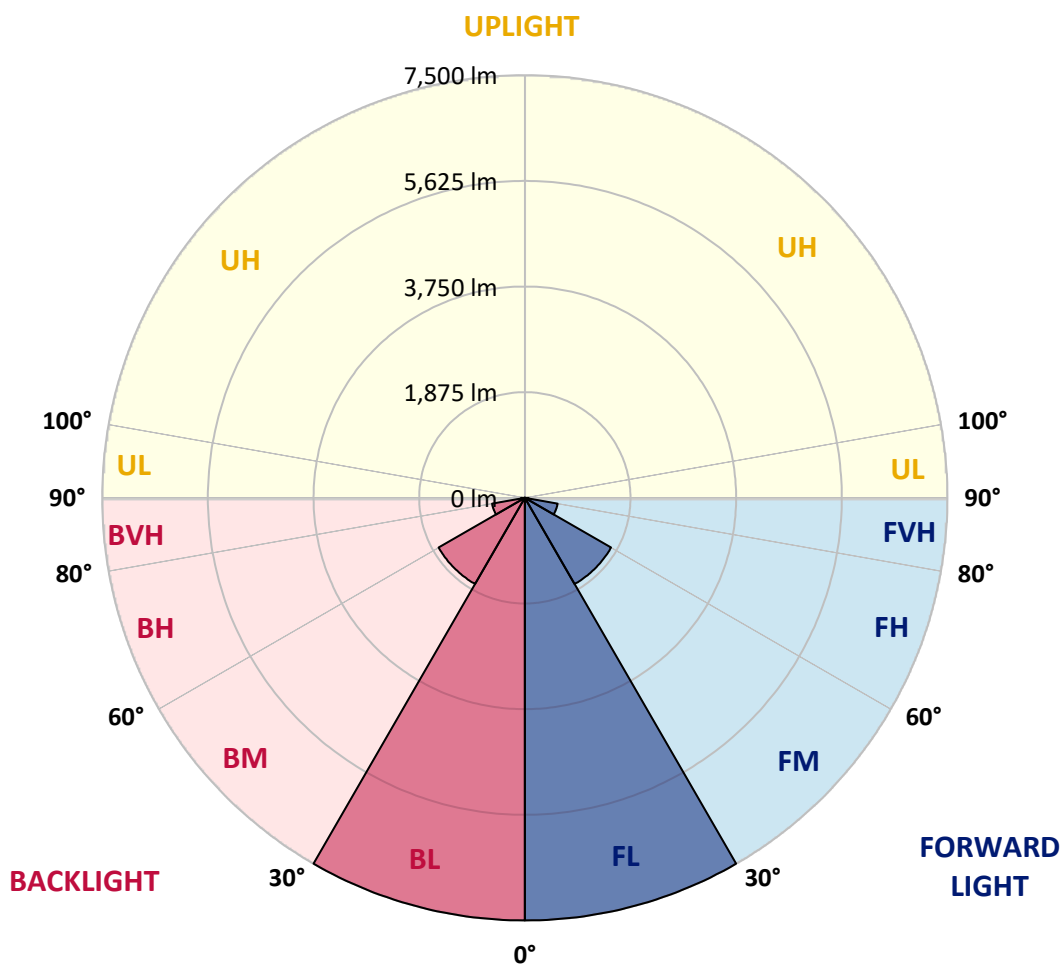
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7500.3	37.8			
FM	(30°-60°)	1766.7	8.9			
FH	(60°-80°)	590.5	3.0			G0/660
FVH	(80°-90°)	64.6	0.3			G1/100
BL	(0°-30°)	7500.3	37.8	B5		
BM	(30°-60°)	1766.7	8.9	B2/2500		
BH	(60°-80°)	590.5	3.0	B2/1000		G0/660
BVH	(80°-90°)	64.6	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°	466105.1	466105.1	466105.1	466105.1	466105.1	466105.1	466105.1	466105.1	466105.1	466105.1
1°	450482.0	445858.1	448236.4	450509.4	453697.1	455101.2	456532.7	457602.9	457584.6	459350.0
2°	407458.9	400008.7	403461.7	407696.7	415887.9	418238.7	422167.3	427029.0	427326.3	431726.0
3°	343438.9	332979.2	338065.0	345606.7	359185.5	362697.9	368995.7	373441.1	371456.2	376606.0
4°	263544.2	249896.8	257667.2	268831.1	282048.6	295458.1	295723.4	298911.1	292366.4	292050.9
5°	177804.5	165771.6	175741.8	189704.8	201124.8	210496.0	216267.7	216665.6	209590.4	208945.5
6°	108442.6	100480.1	109156.1	123933.1	139752.9	143649.5	144532.2	142529.0	133249.3	128113.3
7°	59935.9	56688.7	65168.0	73985.7	86320.5	92023.7	88076.7	81673.8	78833.7	72718.9
8°	33052.8	31452.1	33871.4	41490.9	51063.3	54809.0	50999.3	44349.4	39560.9	37868.7
9°	19926.8	19039.5	20027.4	22927.0	27061.5	29659.2	27477.7	24203.0	22181.5	21619.0
10°	13235.7	12888.2	13308.9	14287.7	15774.0	16533.3	15989.0	14690.1	14077.3	14040.7
12.5°	6947.2	6883.1	6988.3	7098.1	7354.2	7395.4	7299.3	7207.9	7066.1	7121.0
15°	4472.9	4413.4	4523.2	4665.0	4729.0	4770.2	4774.7	4724.4	4628.4	4582.7
17.5°	3260.9	3274.6	3283.8	3366.1	3489.6	3585.6	3544.5	3489.6	3379.8	3324.9
20°	2684.7	2689.2	2707.5	2753.3	2794.4	2927.0	2885.9	2803.6	2698.4	2657.2
22.5°	2295.9	2305.1	2314.2	2341.6	2350.8	2387.4	2391.9	2318.8	2259.3	2236.4
25°	2021.5	2021.5	2035.2	2058.1	2067.2	2039.8	2044.4	2012.3	1957.5	1930.0
27.5°	1715.1	1724.2	1737.9	1747.1	1728.8	1696.8	1655.6	1683.1	1655.6	1591.6
30°	1527.6	1536.7	1577.9	1550.4	1509.3	1468.1	1445.2	1481.8	1486.4	1431.5
32.5°	1513.8	1518.4	1532.1	1518.4	1468.1	1417.8	1385.8	1426.9	1436.1	1413.2
35°	1582.4	1568.7	1587.0	1596.2	1545.8	1491.0	1449.8	1486.4	1513.8	1523.0
37.5°	1916.3	1838.6	1779.1	1760.8	1728.8	1692.2	1637.3	1646.5	1696.8	1742.5
40°	1824.8	1806.5	1783.7	1724.2	1664.8	1710.5	1646.5	1628.2	1742.5	1751.7
42.5°	1811.1	1824.8	1806.5	1733.4	1673.9	1719.6	1705.9	1651.0	1765.4	1751.7
45°	1820.3	1834.0	1875.1	1751.7	1701.3	1724.2	1751.7	1692.2	1806.5	1760.8
47.5°	1747.1	1765.4	1811.1	1742.5	1710.5	1705.9	1747.1	1692.2	1751.7	1747.1
50°	1651.0	1669.3	1683.1	1623.6	1683.1	1651.0	1655.6	1632.7	1632.7	1641.9
52.5°	1527.6	1545.8	1559.6	1491.0	1527.6	1541.3	1486.4	1481.8	1440.7	1454.4
55°	1376.6	1404.1	1417.8	1390.3	1372.1	1399.5	1321.7	1312.6	1230.3	1234.8
57.5°	1202.8	1230.3	1244.0	1276.0	1262.3	1207.4	1161.7	1125.1	1033.6	997.0
60°	1239.4	1266.9	1239.4	1148.0	1148.0	1024.5	983.3	905.6	814.1	768.4
62.5°	1198.3	1234.8	1230.3	1134.2	1019.9	864.4	791.2	708.9	617.4	558.0
65°	1129.7	1166.2	1148.0	1083.9	974.2	740.9	631.1	548.8	434.5	420.8
67.5°	1015.3	1070.2	1033.6	992.5	905.6	672.3	503.1	411.6	315.6	315.6
70°	841.5	882.7	905.6	859.8	809.5	631.1	429.9	315.6	228.7	173.8
72.5°	676.9	713.5	750.1	727.2	681.5	571.7	384.2	251.5	164.6	100.6
75°	375.0	388.7	402.5	457.4	521.4	466.5	352.2	219.5	137.2	77.7
77.5°	288.1	301.9	333.9	306.4	283.6	361.3	384.2	256.1	118.9	54.9
80°	224.1	242.4	343.0	283.6	242.4	274.4	329.3	224.1	77.7	27.4
82.5°	169.2	182.9	242.4	269.8	256.1	205.8	178.4	150.9	68.6	18.3
85°	123.5	141.8	169.2	150.9	146.4	146.4	196.7	132.6	50.3	13.7
87.5°	73.2	73.2	77.7	73.2	68.6	68.6	77.7	64.0	32.0	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

466105.1

455801.0
427838.5
371099.5
290660.5
206334.1
128561.5
69846.7
36332.0
20855.2
13606.2
6915.2
4509.5
3265.5
2611.5
2209.0
1907.2
1596.2
1413.2
1399.5
1523.0
1783.7
1765.4
1742.5
1747.1
1737.9
1609.9
1431.5
1202.8
974.2
731.8
548.8
420.8
279.0
155.5
96.0
68.6
27.4
18.3
13.7
9.1
9.1
0.0

OF REPORT)