

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: P635918

Luminaire Tested: **IFLD-L-SA7C-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635918
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21615.3 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

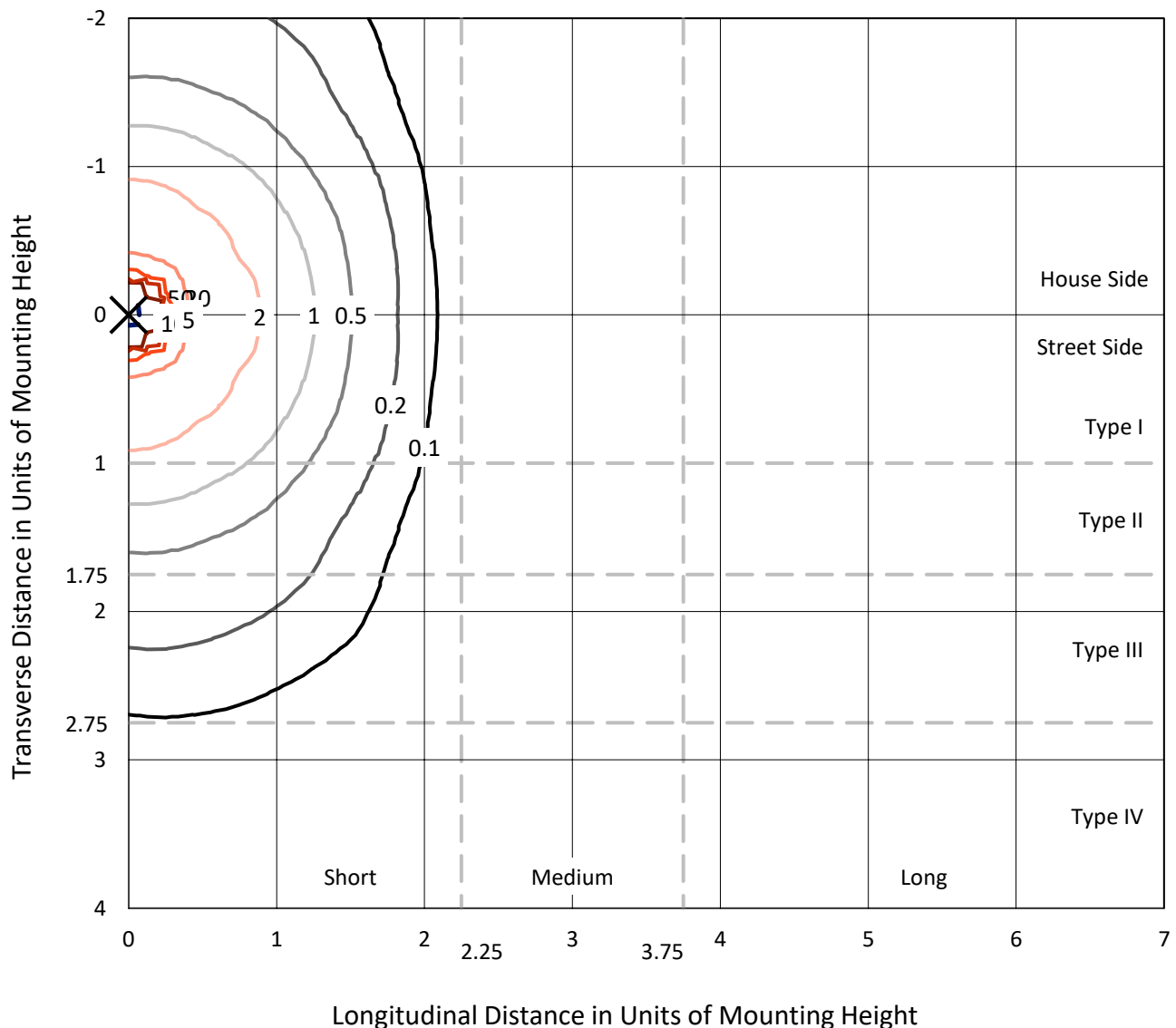
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

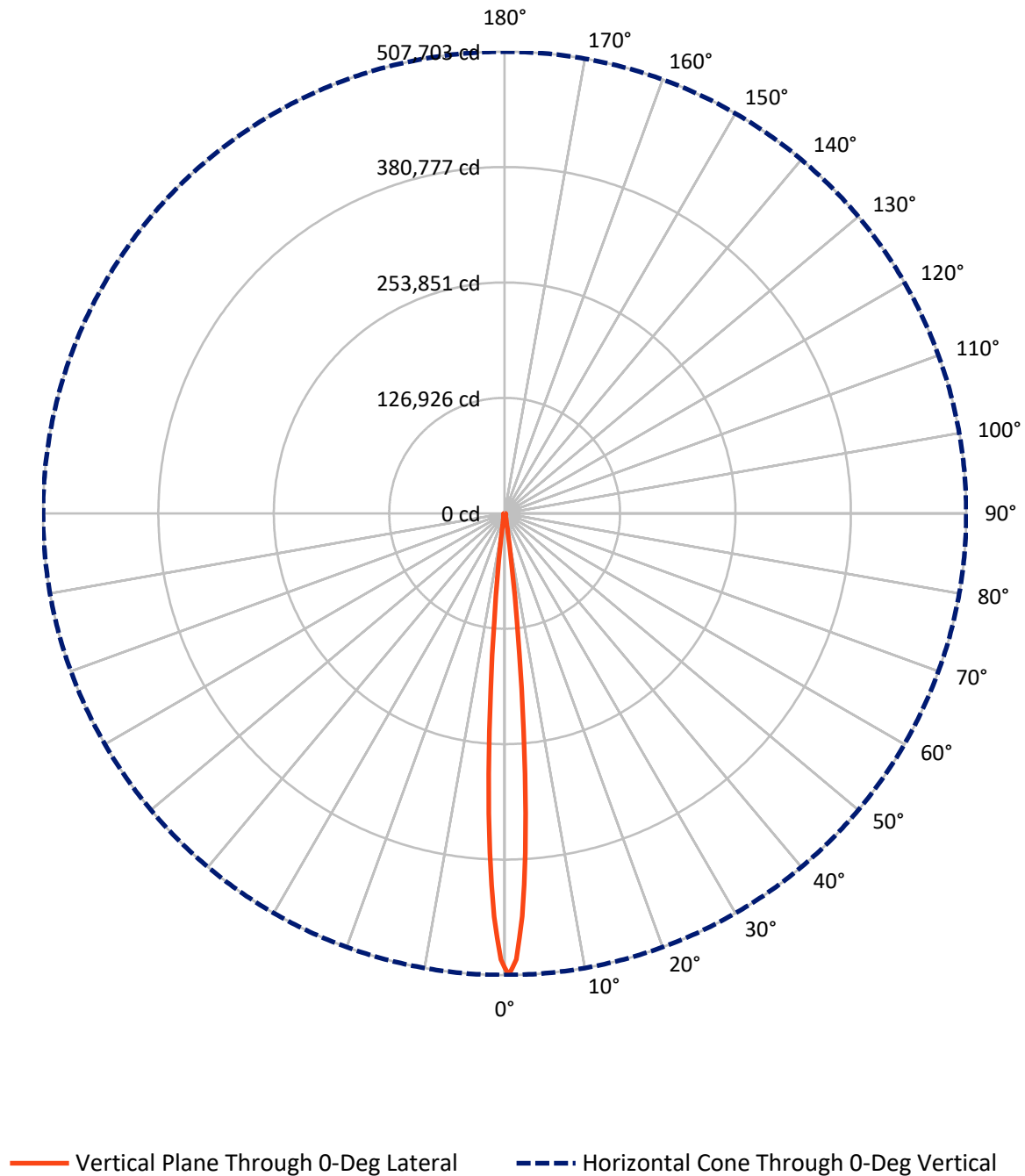
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1269.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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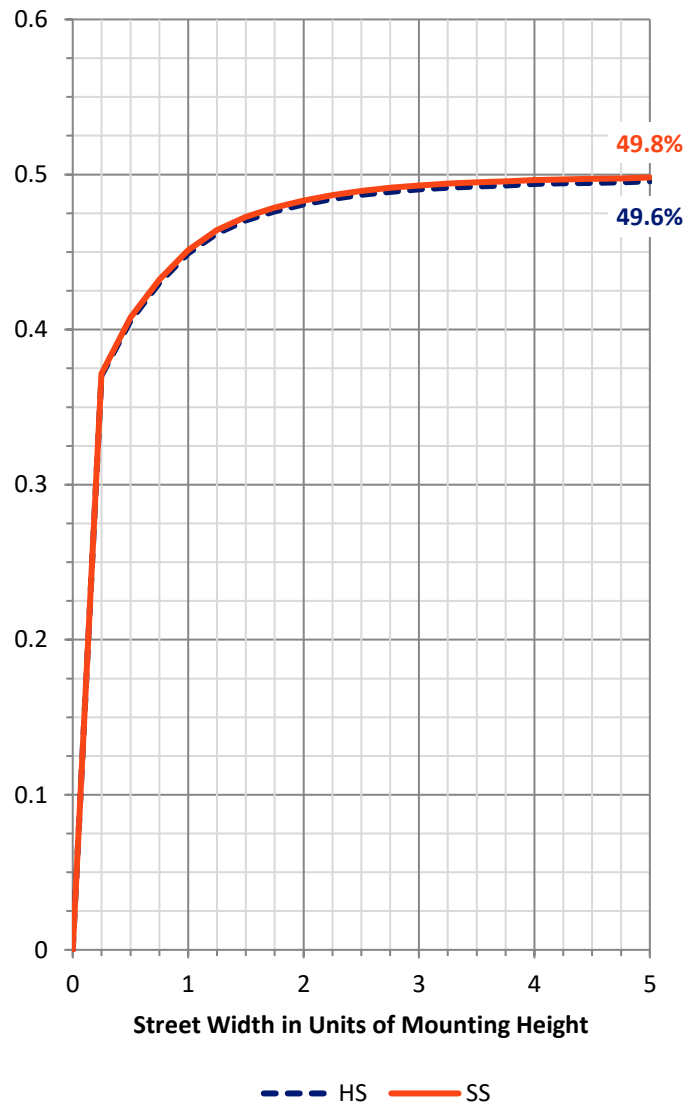
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10807.6	0.0	10807.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10807.6	0.0	10807.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	21615.3	0.0	21615.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13643.0	63.1
10°-20°	1686.1	7.8
20°-30°	1010.2	4.7
30°-40°	1086.2	5.0
40°-50°	1460.5	6.8
50°-60°	1302.0	6.0
60°-70°	860.0	4.0
70°-80°	426.4	2.0
80°-90°	140.8	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°	21615.3	100.0
0°-180°	21615.3	100.0



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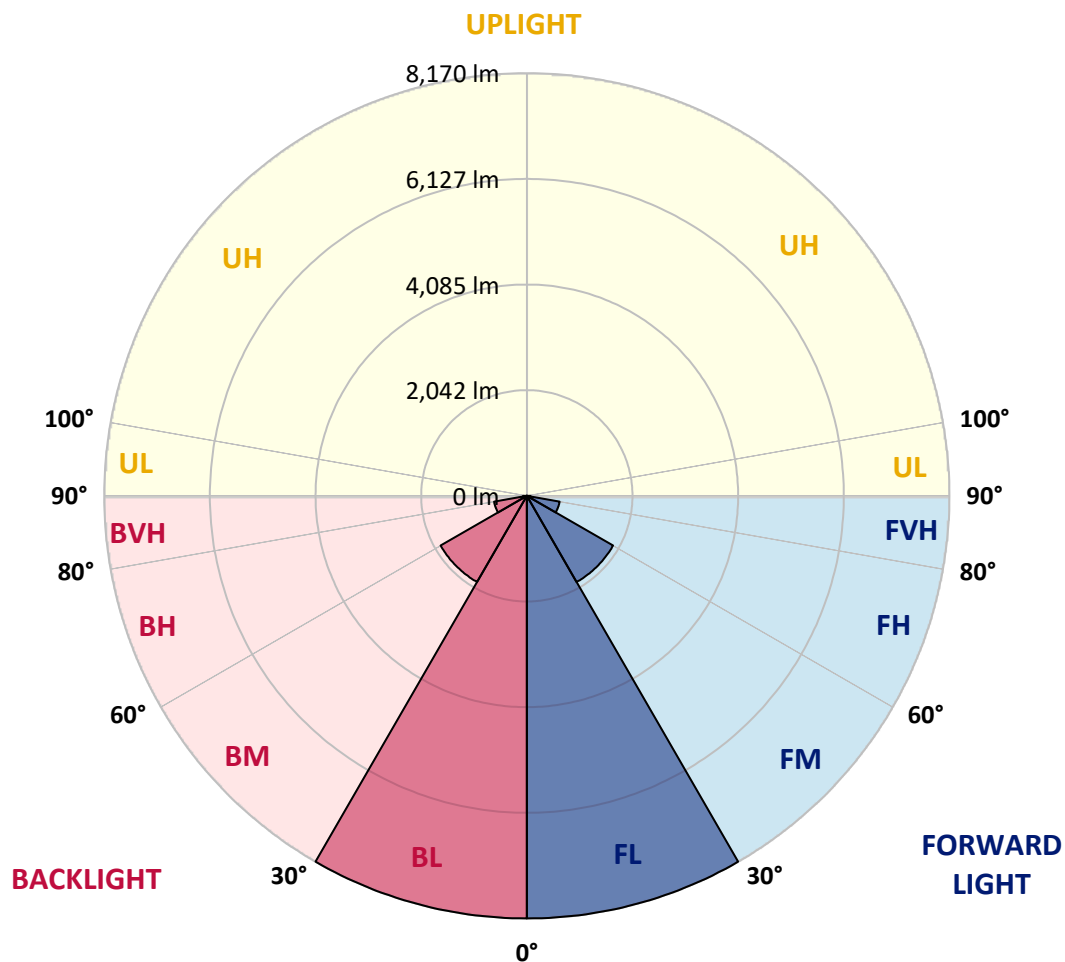
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8169.7	37.8			
FM	(30°-60°)	1924.4	8.9			
FH	(60°-80°)	643.2	3.0			G0/660
FVH	(80°-90°)	70.4	0.3			G1/100
BL	(0°-30°)	8169.7	37.8	B5		
BM	(30°-60°)	1924.4	8.9	B2/2500		
BH	(60°-80°)	643.2	3.0	B2/1000		G0/660
BVH	(80°-90°)	70.4	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°	507702.8	507702.8	507702.8	507702.8	507702.8	507702.8	507702.8	507702.8	507702.8	507702.8
1°	490685.4	485648.9	488239.4	490715.3	494187.5	495716.9	497276.2	498441.9	498422.0	500344.9
2°	443822.8	435707.6	439468.8	444081.8	453004.0	455564.6	459843.8	465139.4	465463.2	470255.6
3°	374089.2	362696.1	368235.8	376450.5	391241.1	395067.1	401926.8	406769.0	404607.0	410216.4
4°	287064.3	272198.9	280662.8	292823.1	307220.1	321826.4	322115.4	325587.6	318458.8	318115.1
5°	193672.7	180565.9	191426.0	206635.1	219074.3	229281.8	235568.7	236002.1	228295.4	227593.0
6°	118120.6	109447.5	118897.7	134993.5	152225.2	156469.6	157431.0	155249.0	145141.2	139546.8
7°	65284.9	61747.9	70983.9	80588.6	94024.2	100236.4	95937.2	88962.8	85869.2	79208.7
8°	36002.6	34259.0	36894.3	45193.8	55620.4	59700.4	55550.7	48307.3	43091.5	41248.3
9°	21705.2	20738.7	21814.8	24973.2	29476.6	32306.2	29929.9	26363.0	24161.1	23548.4
10°	14417.0	14038.4	14496.7	15562.8	17181.8	18008.8	17415.9	16001.2	15333.6	15293.8
12.5°	7567.2	7497.4	7612.0	7731.6	8010.5	8055.4	7950.8	7851.1	7696.7	7756.5
15°	4872.1	4807.3	4926.9	5081.3	5151.1	5195.9	5200.9	5146.1	5041.5	4991.6
17.5°	3551.9	3566.9	3576.8	3666.5	3801.0	3905.6	3860.8	3801.0	3681.5	3621.7
20°	2924.2	2929.2	2949.2	2999.0	3043.8	3188.3	3143.4	3053.8	2939.2	2894.4
22.5°	2500.8	2510.8	2520.7	2550.6	2560.6	2600.4	2605.4	2525.7	2460.9	2436.0
25°	2201.9	2201.9	2216.8	2241.8	2251.7	2221.8	2226.8	2191.9	2132.2	2102.3
27.5°	1868.1	1878.1	1893.0	1903.0	1883.1	1848.2	1803.4	1833.3	1803.4	1733.6
30°	1663.9	1673.8	1718.7	1688.8	1644.0	1599.1	1574.2	1614.1	1619.0	1559.3
32.5°	1648.9	1653.9	1668.9	1653.9	1599.1	1544.3	1509.4	1554.3	1564.2	1539.3
35°	1723.7	1708.7	1728.6	1738.6	1683.8	1624.0	1579.2	1619.0	1648.9	1658.9
37.5°	2087.3	2002.6	1937.9	1917.9	1883.1	1843.2	1783.4	1793.4	1848.2	1898.0
40°	1987.7	1967.8	1942.9	1878.1	1813.3	1863.1	1793.4	1773.5	1898.0	1908.0
42.5°	1972.7	1987.7	1967.8	1888.1	1823.3	1873.1	1858.2	1798.4	1922.9	1908.0
45°	1982.7	1997.7	2042.5	1908.0	1853.2	1878.1	1908.0	1843.2	1967.8	1917.9
47.5°	1903.0	1922.9	1972.7	1898.0	1863.1	1858.2	1903.0	1843.2	1908.0	1903.0
50°	1798.4	1818.3	1833.3	1768.5	1833.3	1798.4	1803.4	1778.5	1778.5	1788.4
52.5°	1663.9	1683.8	1698.8	1624.0	1663.9	1678.8	1619.0	1614.1	1569.2	1584.2
55°	1499.5	1529.4	1544.3	1514.4	1494.5	1524.4	1439.7	1429.7	1340.1	1345.1
57.5°	1310.2	1340.1	1355.0	1389.9	1374.9	1315.2	1265.3	1225.5	1125.9	1086.0
60°	1350.0	1379.9	1350.0	1250.4	1250.4	1115.9	1071.1	986.4	886.7	836.9
62.5°	1305.2	1345.1	1340.1	1235.5	1110.9	941.5	861.8	772.2	672.5	607.8
65°	1230.5	1270.3	1250.4	1180.7	1061.1	807.0	687.5	597.8	473.3	458.3
67.5°	1105.9	1165.7	1125.9	1081.0	986.4	732.3	548.0	448.4	343.7	343.7
70°	916.6	961.5	986.4	936.6	881.8	687.5	468.3	343.7	249.1	189.3
72.5°	737.3	777.1	817.0	792.1	742.3	622.7	418.5	274.0	179.3	109.6
75°	408.5	423.4	438.4	498.2	567.9	508.1	383.6	239.1	149.5	84.7
77.5°	313.8	328.8	363.7	333.8	308.9	393.6	418.5	279.0	129.5	59.8
80°	244.1	264.0	373.6	308.9	264.0	298.9	358.7	244.1	84.7	29.9
82.5°	184.3	199.3	264.0	293.9	279.0	224.2	194.3	164.4	74.7	19.9
85°	134.5	154.4	184.3	164.4	159.4	159.4	214.2	144.5	54.8	14.9
87.5°	79.7	79.7	84.7	79.7	74.7	74.7	84.7	69.7	34.9	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

507702.8

496479.1
466021.1
404218.4
316600.6
224748.5
140035.0
76080.2
39574.5
22716.5
14820.5
7532.3
4911.9
3556.9
2844.5
2406.2
2077.4
1738.6
1539.3
1524.4
1658.9
1942.9
1922.9
1898.0
1903.0
1893.0
1753.6
1559.3
1310.2
1061.1
797.1
597.8
458.3
303.9
169.4
104.6
74.7
29.9
19.9
14.9
10.0
10.0
0.0

OF REPORT)