

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: P635851

Luminaire Tested: **IFLD-S-SA6D-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635851
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21256 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 368.2
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



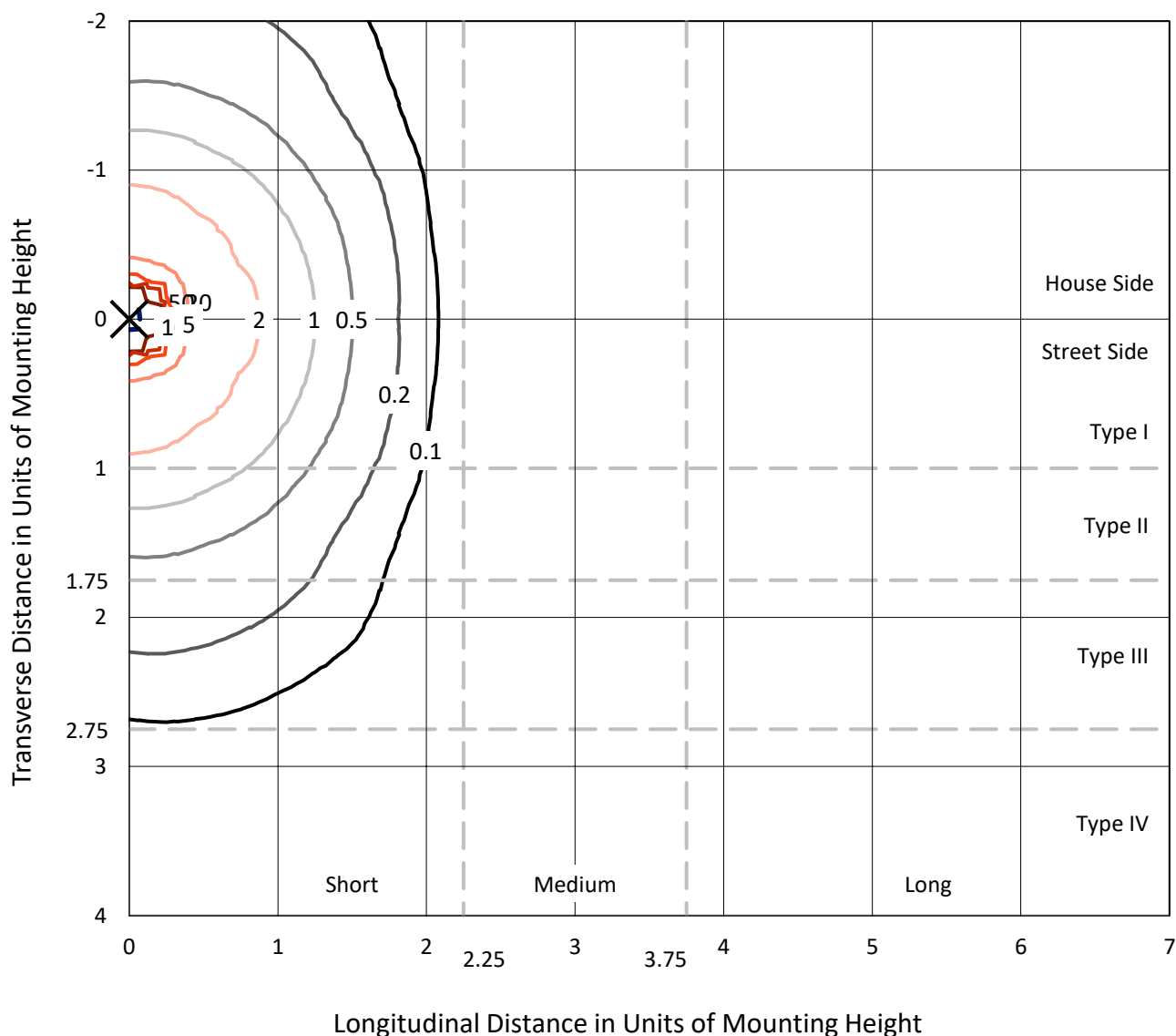
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

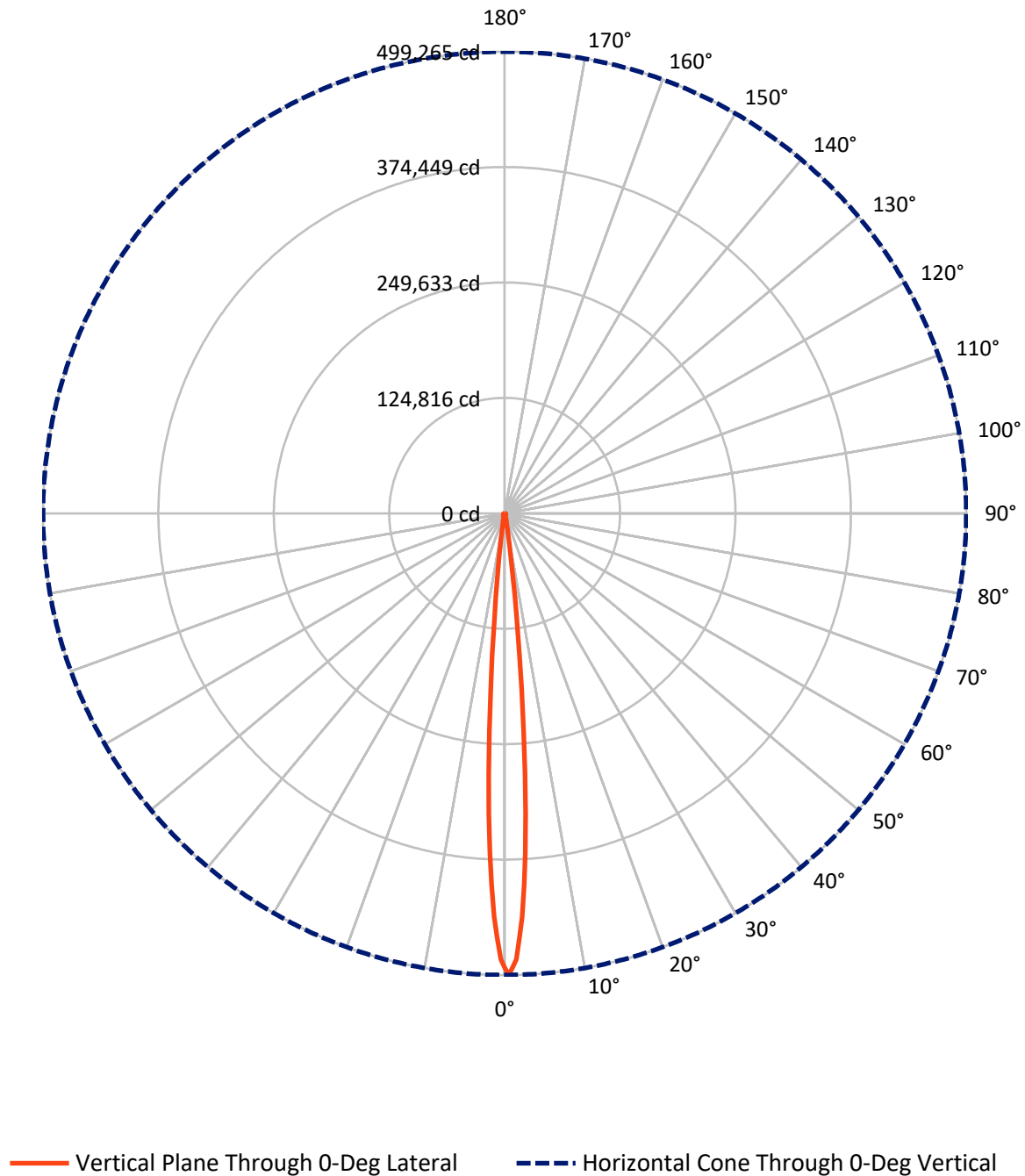


Based on 20 foot mounting height. Maximum calculated value = 1248.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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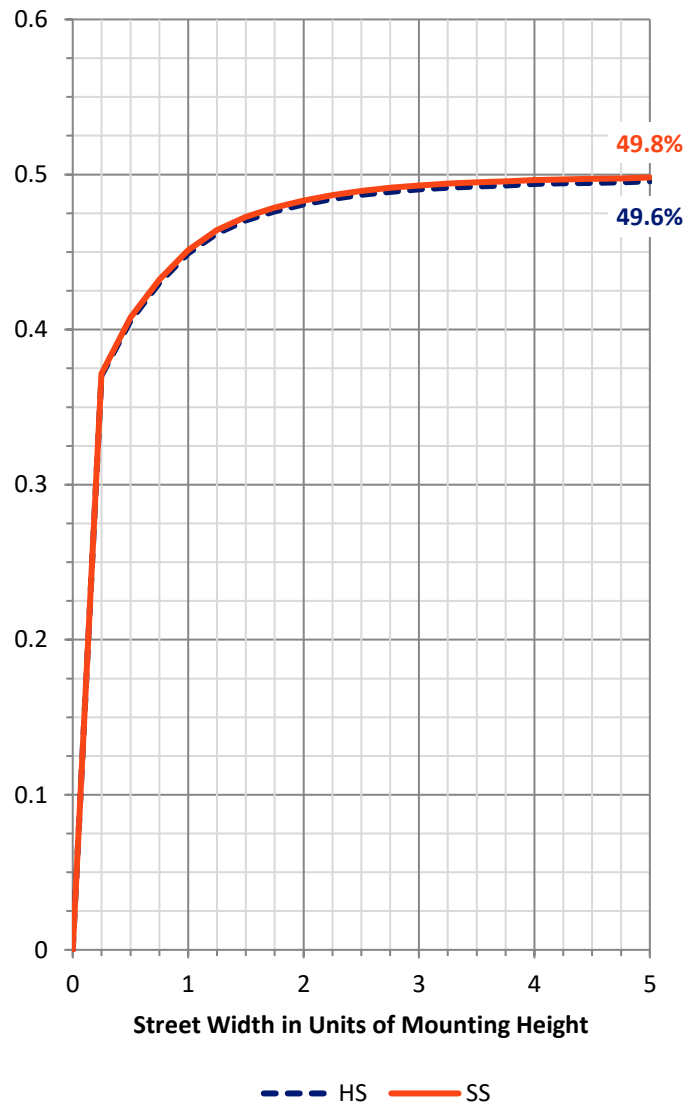
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10628.0	0.0	10628.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10628.0	0.0	10628.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21256.0	0.0	21256.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13416.3	63.1
10°-20°	1658.1	7.8
20°-30°	993.4	4.7
30°-40°	1068.2	5.0
40°-50°	1436.3	6.8
50°-60°	1280.3	6.0
60°-70°	845.7	4.0
70°-80°	419.3	2.0
80°-90°	138.4	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°	21256.0	100.0
0°-180°	21256.0	100.0



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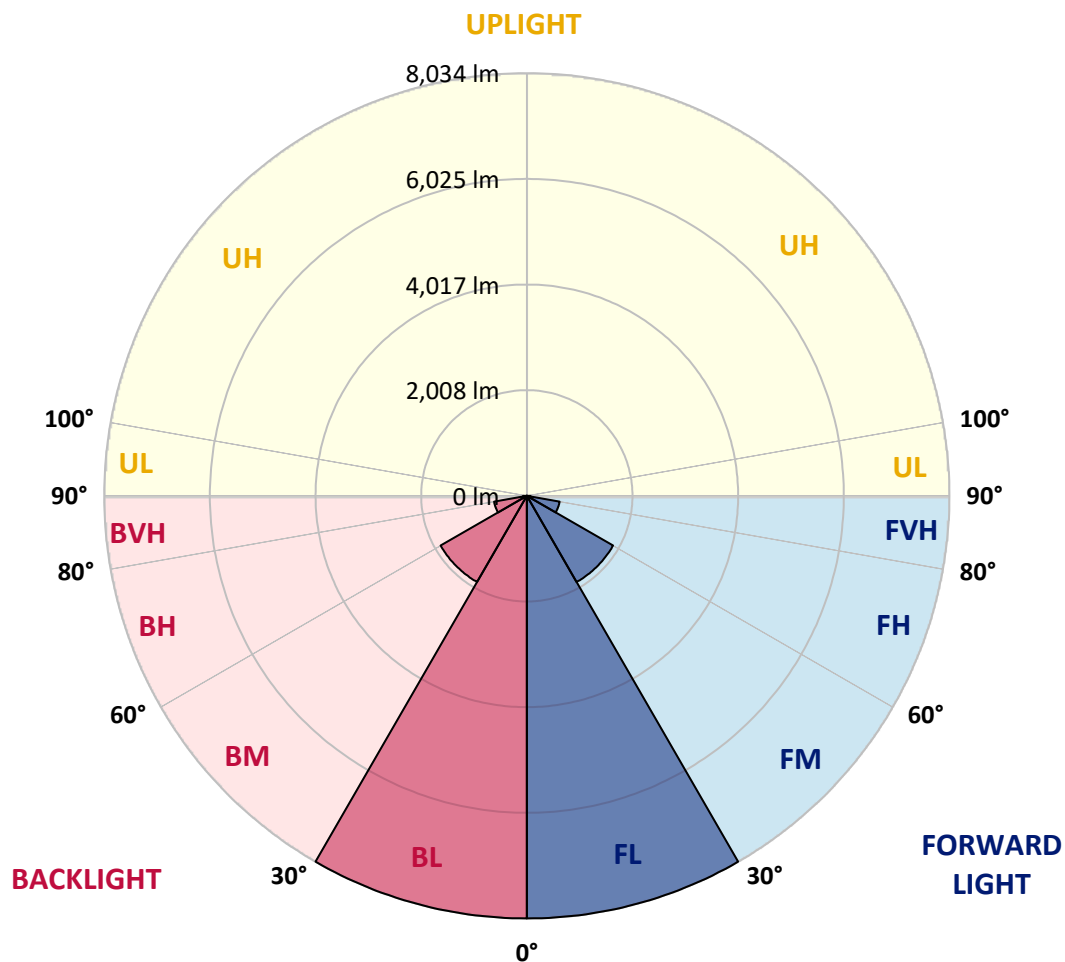
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8033.9	37.8			
FM	(30°-60°)	1892.4	8.9			
FH	(60°-80°)	632.5	3.0			G0/660
FVH	(80°-90°)	69.2	0.3			G1/100
BL	(0°-30°)	8033.9	37.8	B5		
BM	(30°-60°)	1892.4	8.9	B2/2500		
BH	(60°-80°)	632.5	3.0	B2/1000		G0/660
BVH	(80°-90°)	69.2	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°	499265.3	499265.3	499265.3	499265.3	499265.3	499265.3	499265.3	499265.3	499265.3	499265.3
1°	482530.7	477577.9	480125.4	482560.1	485974.6	487478.6	489011.9	490158.3	490138.7	492029.7
2°	436446.9	428466.6	432165.2	436701.6	445475.5	447993.5	452201.7	457409.2	457727.6	462440.4
3°	367872.2	356668.5	362116.0	370194.3	384739.1	388501.4	395247.2	400008.9	397882.8	403399.0
4°	282293.5	267675.3	275998.5	287956.7	302114.4	316478.0	316762.1	320176.6	313166.3	312828.3
5°	190454.1	177565.1	188244.7	203201.0	215433.5	225471.3	231653.7	232079.9	224501.4	223810.6
6°	116157.5	107628.6	116921.8	132750.1	149695.3	153869.2	154814.7	152669.0	142729.1	137227.7
7°	64199.9	60721.7	69804.3	79249.3	92461.6	98570.5	94342.8	87484.3	84442.1	77892.3
8°	35404.3	33689.7	36281.2	44442.7	54696.1	58708.3	54627.5	47504.5	42375.4	40562.8
9°	21344.5	20394.1	21452.2	24558.1	28986.7	31769.3	29432.5	25924.9	23759.6	23157.0
10°	14177.4	13805.1	14255.8	15304.1	16896.3	17709.5	17126.5	15735.2	15078.8	15039.6
12.5°	7441.4	7372.8	7485.5	7603.1	7877.4	7921.5	7818.6	7720.6	7568.8	7627.6
15°	4791.1	4727.4	4845.0	4996.9	5065.5	5109.5	5114.4	5060.6	4957.7	4908.7
17.5°	3492.9	3507.6	3517.4	3605.6	3737.9	3840.7	3796.6	3737.9	3620.3	3561.5
20°	2875.6	2880.5	2900.1	2949.1	2993.2	3135.3	3091.2	3003.0	2890.3	2846.3
22.5°	2459.2	2469.0	2478.8	2508.2	2518.0	2557.2	2562.1	2483.7	2420.1	2395.6
25°	2165.3	2165.3	2180.0	2204.5	2214.3	2184.9	2189.8	2155.5	2096.7	2067.3
27.5°	1837.1	1846.9	1861.6	1871.4	1851.8	1817.5	1773.4	1802.8	1773.4	1704.8
30°	1636.2	1646.0	1690.1	1660.7	1616.6	1572.5	1548.0	1587.2	1592.1	1533.4
32.5°	1621.5	1626.4	1641.1	1626.4	1572.5	1518.7	1484.4	1528.5	1538.3	1513.8
35°	1695.0	1680.3	1699.9	1709.7	1655.8	1597.0	1552.9	1592.1	1621.5	1631.3
37.5°	2052.6	1969.4	1905.7	1886.1	1851.8	1812.6	1753.8	1763.6	1817.5	1866.5
40°	1954.7	1935.1	1910.6	1846.9	1783.2	1832.2	1763.6	1744.0	1866.5	1876.3
42.5°	1940.0	1954.7	1935.1	1856.7	1793.0	1842.0	1827.3	1768.5	1891.0	1876.3
45°	1949.8	1964.5	2008.5	1876.3	1822.4	1846.9	1876.3	1812.6	1935.1	1886.1
47.5°	1871.4	1891.0	1940.0	1866.5	1832.2	1827.3	1871.4	1812.6	1876.3	1871.4
50°	1768.5	1788.1	1802.8	1739.1	1802.8	1768.5	1773.4	1748.9	1748.9	1758.7
52.5°	1636.2	1655.8	1670.5	1597.0	1636.2	1650.9	1592.1	1587.2	1543.1	1557.8
55°	1474.6	1504.0	1518.7	1489.3	1469.7	1499.1	1415.8	1406.0	1317.8	1322.7
57.5°	1288.4	1317.8	1332.5	1366.8	1352.1	1293.3	1244.3	1205.1	1107.1	1068.0
60°	1327.6	1357.0	1327.6	1229.6	1229.6	1097.4	1053.3	970.0	872.0	823.0
62.5°	1283.5	1322.7	1317.8	1214.9	1092.5	925.9	847.5	759.3	661.3	597.7
65°	1210.0	1249.2	1229.6	1161.0	1043.5	793.6	676.0	587.9	465.4	450.7
67.5°	1087.6	1146.3	1107.1	1063.1	970.0	720.1	538.9	440.9	338.0	338.0
70°	901.4	945.5	970.0	921.0	867.1	676.0	460.5	338.0	244.9	186.2
72.5°	725.0	764.2	803.4	778.9	729.9	612.4	411.5	269.4	176.4	107.8
75°	401.7	416.4	431.1	489.9	558.5	499.7	377.2	235.1	147.0	83.3
77.5°	308.6	323.3	357.6	328.2	303.7	387.0	411.5	274.3	127.4	58.8
80°	240.0	259.6	367.4	303.7	259.6	293.9	352.7	240.0	83.3	29.4
82.5°	181.3	196.0	259.6	289.0	274.3	220.4	191.1	161.7	73.5	19.6
85°	132.3	151.9	181.3	161.7	156.8	156.8	210.7	142.1	53.9	14.7
87.5°	78.4	78.4	83.3	78.4	73.5	73.5	83.3	68.6	34.3	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

499265.3
488228.1
458276.3
397500.7
311339.1
221013.4
137707.8
74815.8
38916.8
22338.9
14574.2
7407.1
4830.3
3497.8
2797.3
2366.2
2042.8
1709.7
1513.8
1499.1
1631.3
1910.6
1891.0
1866.5
1871.4
1861.6
1724.4
1533.4
1288.4
1043.5
783.8
587.9
450.7
298.8
166.6
102.9
73.5
29.4
19.6
14.7
9.8
9.8
0.0

OF REPORT)