

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: P635879

Luminaire Tested: **IFLD-S-SA6C-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635879
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19527.9 lumens
Efficiency: N/A
Efficacy: 60.7 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): 321.5
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



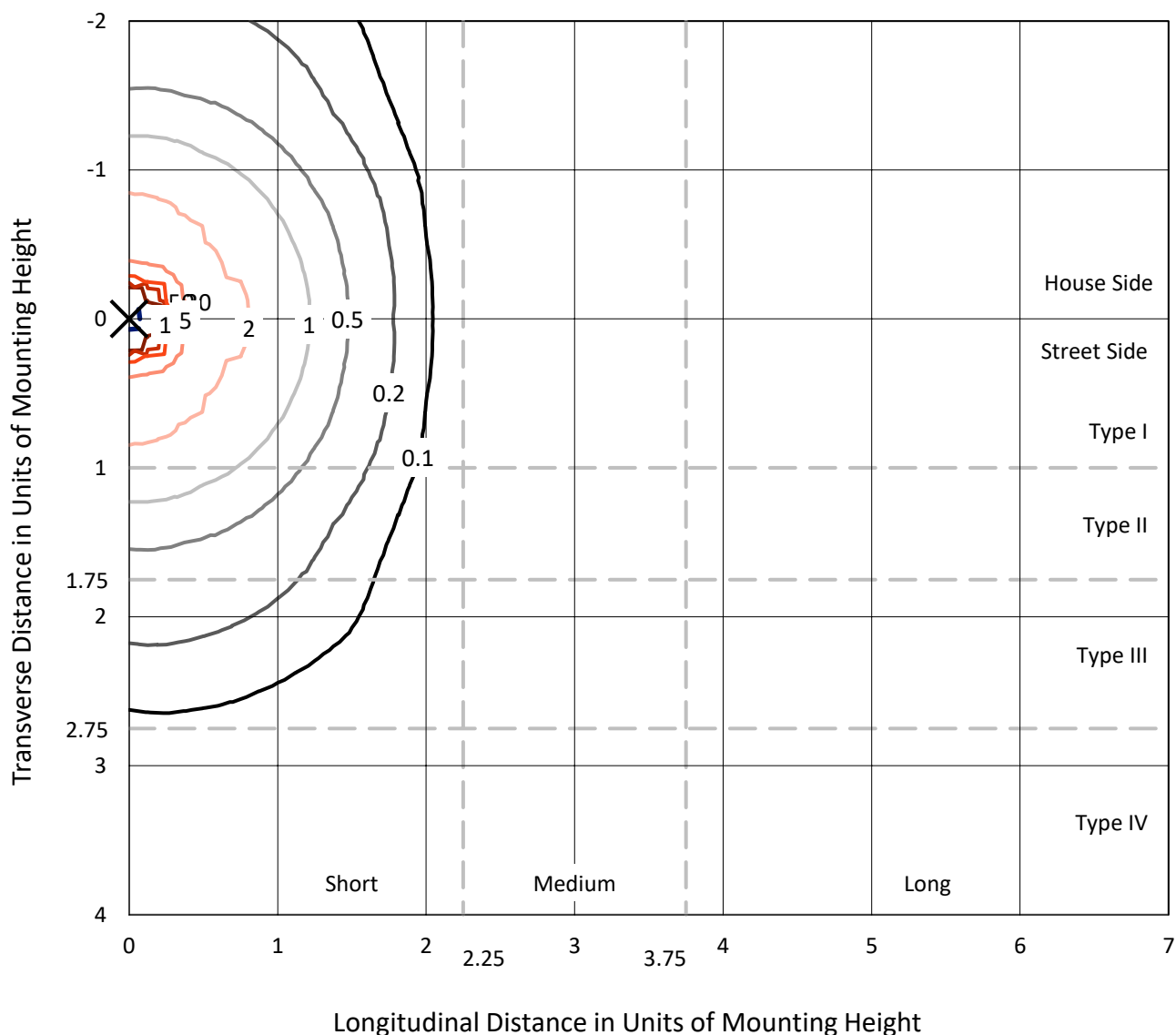
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

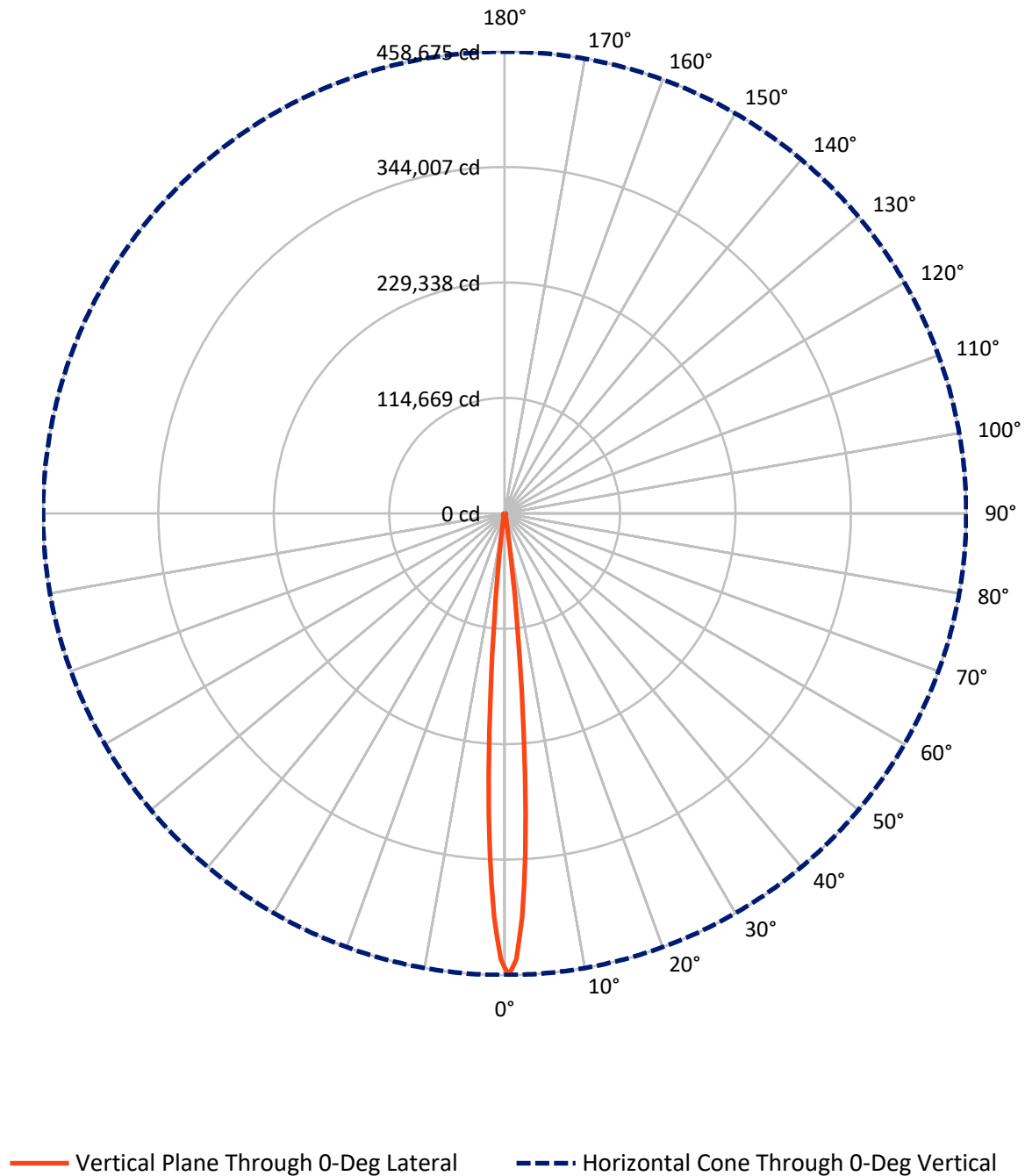
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1146.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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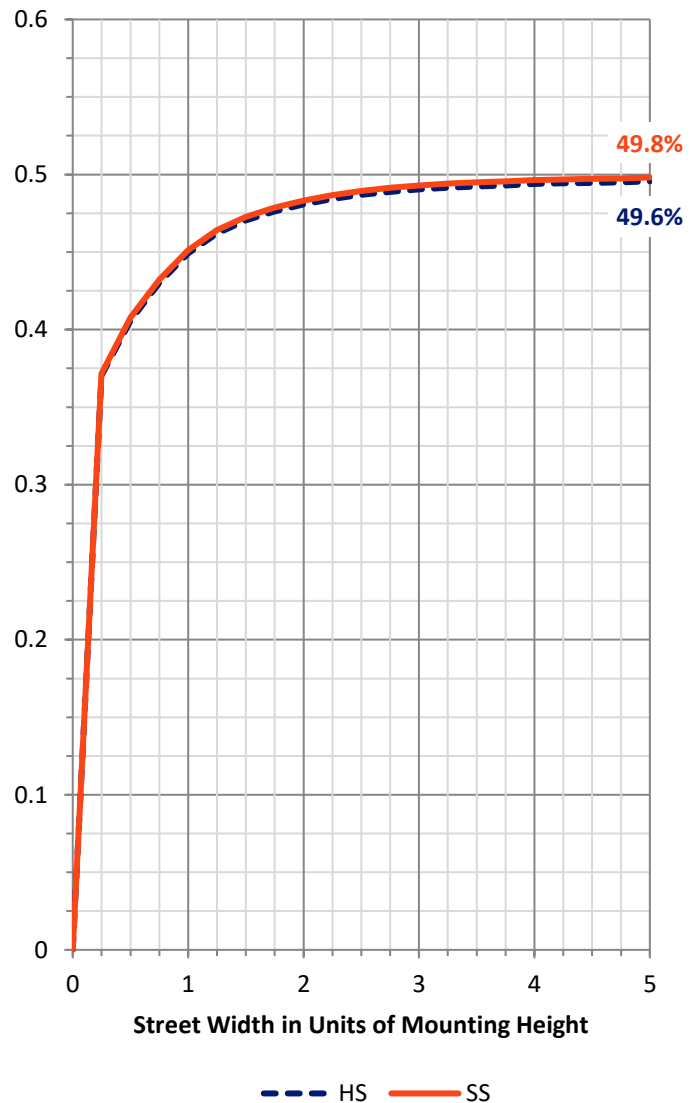
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9763.9	0.0	9763.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9763.9	0.0	9763.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	19527.9	0.0	19527.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12325.6	63.1
10°-20°	1523.3	7.8
20°-30°	912.7	4.7
30°-40°	981.3	5.0
40°-50°	1319.5	6.8
50°-60°	1176.3	6.0
60°-70°	776.9	4.0
70°-80°	385.2	2.0
80°-90°	127.2	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°	19527.9	100.0
0°-180°	19527.9	100.0



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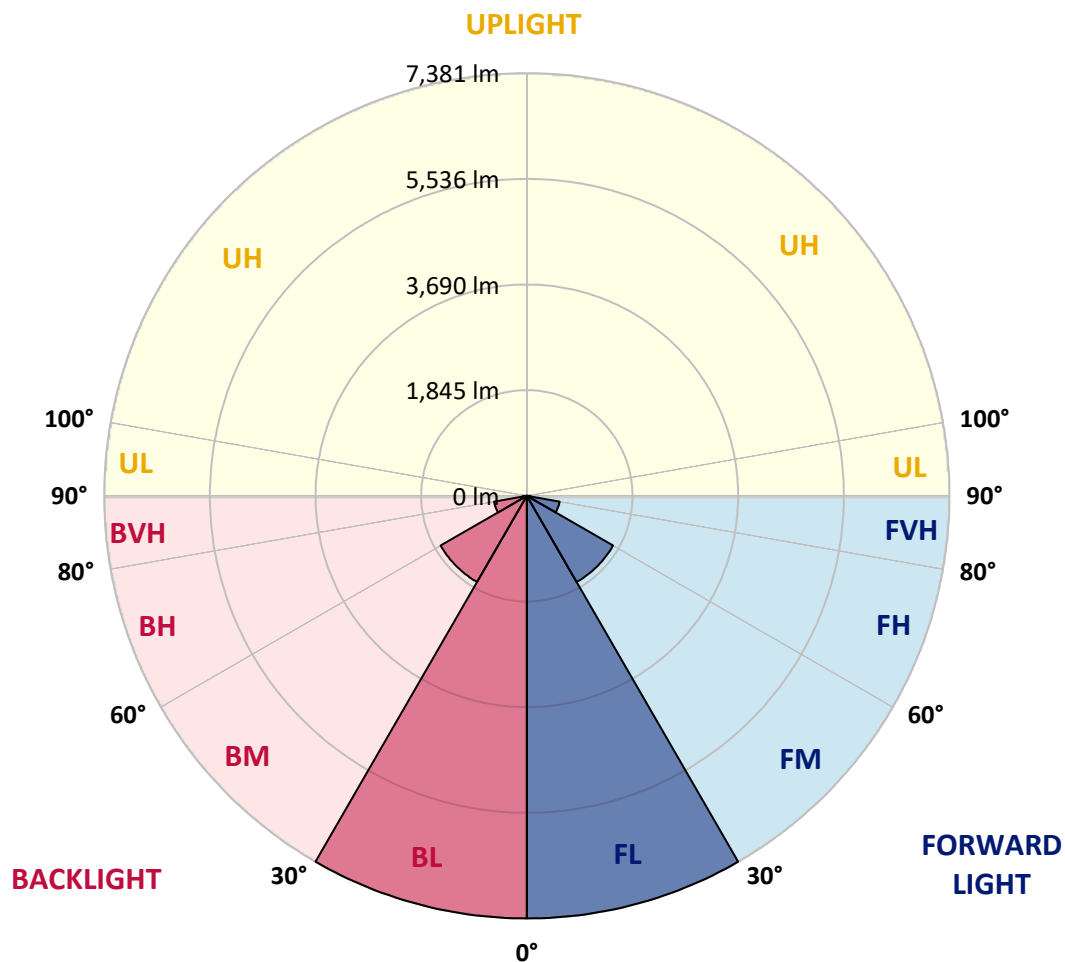
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7380.8	37.8			
FM	(30°-60°)	1738.5	8.9			
FH	(60°-80°)	581.1	3.0			G0/660
FVH	(80°-90°)	63.6	0.3			G1/100
BL	(0°-30°)	7380.8	37.8	B5		
BM	(30°-60°)	1738.5	8.9	B2/2500		
BH	(60°-80°)	581.1	3.0	B2/1000		G0/660
BVH	(80°-90°)	63.6	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°	458675.4	458675.4	458675.4	458675.4	458675.4	458675.4	458675.4	458675.4	458675.4	458675.4
1°	443301.3	438751.2	441091.5	443328.3	446465.2	447846.9	449255.6	450308.7	450290.7	452028.0
2°	400964.0	393632.5	397030.5	401198.0	409258.6	411572.0	415438.0	420222.1	420514.7	424844.3
3°	337964.5	327671.6	332676.2	340097.7	353460.1	356916.5	363113.9	367488.5	365535.2	370602.9
4°	259343.3	245913.4	253560.0	264546.0	277552.7	290748.5	291009.6	294146.5	287706.1	287395.6
5°	174970.3	163129.2	172940.5	186680.9	197918.9	207140.7	212820.4	213212.0	206249.5	205615.0
6°	106714.0	98878.4	107416.1	121957.6	137525.2	141359.7	142228.3	140257.1	131125.3	126071.1
7°	58980.5	55785.1	64129.2	72806.4	84944.5	90556.8	86672.8	80371.9	77577.0	71559.7
8°	32525.9	30950.7	33331.5	40829.6	50249.3	53935.3	50186.3	43642.4	38930.3	37265.1
9°	19609.2	18736.0	19708.2	22561.6	26630.1	29186.5	27039.7	23817.2	21828.0	21274.4
10°	13024.8	12682.7	13096.8	14059.9	15522.6	16269.7	15734.1	14456.0	13852.9	13816.9
12.5°	6836.4	6773.4	6876.9	6984.9	7237.0	7277.5	7183.0	7093.0	6953.4	7007.5
15°	4401.6	4343.1	4451.1	4590.6	4653.6	4694.1	4698.6	4649.1	4554.6	4509.6
17.5°	3208.9	3222.4	3231.4	3312.5	3434.0	3528.5	3488.0	3434.0	3326.0	3271.9
20°	2641.9	2646.4	2664.4	2709.4	2749.9	2880.4	2839.9	2758.9	2655.4	2614.9
22.5°	2259.3	2268.3	2277.3	2304.3	2313.3	2349.3	2353.8	2281.8	2223.3	2200.8
25°	1989.3	1989.3	2002.8	2025.3	2034.3	2007.3	2011.8	1980.3	1926.3	1899.3
27.5°	1687.7	1696.7	1710.2	1719.2	1701.2	1669.7	1629.2	1656.2	1629.2	1566.2
30°	1503.2	1512.2	1552.7	1525.7	1485.2	1444.7	1422.2	1458.2	1462.7	1408.7
32.5°	1489.7	1494.2	1507.7	1494.2	1444.7	1395.2	1363.7	1404.2	1413.2	1390.7
35°	1557.2	1543.7	1561.7	1570.7	1521.2	1467.2	1426.7	1462.7	1489.7	1498.7
37.5°	1885.8	1809.2	1750.7	1732.7	1701.2	1665.2	1611.2	1620.2	1669.7	1714.7
40°	1795.7	1777.7	1755.2	1696.7	1638.2	1683.2	1620.2	1602.2	1714.7	1723.7
42.5°	1782.2	1795.7	1777.7	1705.7	1647.2	1692.2	1678.7	1624.7	1737.2	1723.7
45°	1791.2	1804.7	1845.3	1723.7	1674.2	1696.7	1723.7	1665.2	1777.7	1732.7
47.5°	1719.2	1737.2	1782.2	1714.7	1683.2	1678.7	1719.2	1665.2	1723.7	1719.2
50°	1624.7	1642.7	1656.2	1597.7	1656.2	1624.7	1629.2	1606.7	1606.7	1615.7
52.5°	1503.2	1521.2	1534.7	1467.2	1503.2	1516.7	1462.7	1458.2	1417.7	1431.2
55°	1354.7	1381.7	1395.2	1368.2	1350.2	1377.2	1300.7	1291.7	1210.7	1215.2
57.5°	1183.7	1210.7	1224.2	1255.7	1242.2	1188.2	1143.2	1107.2	1017.1	981.1
60°	1219.7	1246.7	1219.7	1129.7	1129.7	1008.1	967.6	891.1	801.1	756.1
62.5°	1179.2	1215.2	1210.7	1116.2	1003.6	850.6	778.6	697.6	607.6	549.1
65°	1111.7	1147.7	1129.7	1066.6	958.6	729.1	621.1	540.1	427.6	414.1
67.5°	999.1	1053.1	1017.1	976.6	891.1	661.6	495.1	405.1	310.5	310.5
70°	828.1	868.6	891.1	846.1	796.6	621.1	423.1	310.5	225.0	171.0
72.5°	666.1	702.1	738.1	715.6	670.6	562.6	378.1	247.5	162.0	99.0
75°	369.1	382.6	396.1	450.1	513.1	459.1	346.5	216.0	135.0	76.5
77.5°	283.5	297.0	328.5	301.5	279.0	355.5	378.1	252.0	117.0	54.0
80°	220.5	238.5	337.5	279.0	238.5	270.0	324.0	220.5	76.5	27.0
82.5°	166.5	180.0	238.5	265.5	252.0	202.5	175.5	148.5	67.5	18.0
85°	121.5	139.5	166.5	148.5	144.0	144.0	193.5	130.5	49.5	13.5
87.5°	72.0	72.0	76.5	72.0	67.5	67.5	76.5	63.0	31.5	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

458675.4

448535.5

421018.7

365184.2

286027.4

203045.1

126512.2

68733.3

35752.9

20522.8

13389.3

6804.9

4437.6

3213.4

2569.8

2173.8

1876.8

1570.7

1390.7

1377.2

1498.7

1755.2

1737.2

1714.7

1719.2

1710.2

1584.2

1408.7

1183.7

958.6

720.1

540.1

414.1

274.5

153.0

94.5

67.5

27.0

18.0

13.5

9.0

9.0

0.0

OF REPORT)