

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: P635891

Luminaire Tested: **IFLD-L-SA7E-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635891
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26530.2 lumens
Efficiency: N/A
Efficacy: 49.8 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): 532.7
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

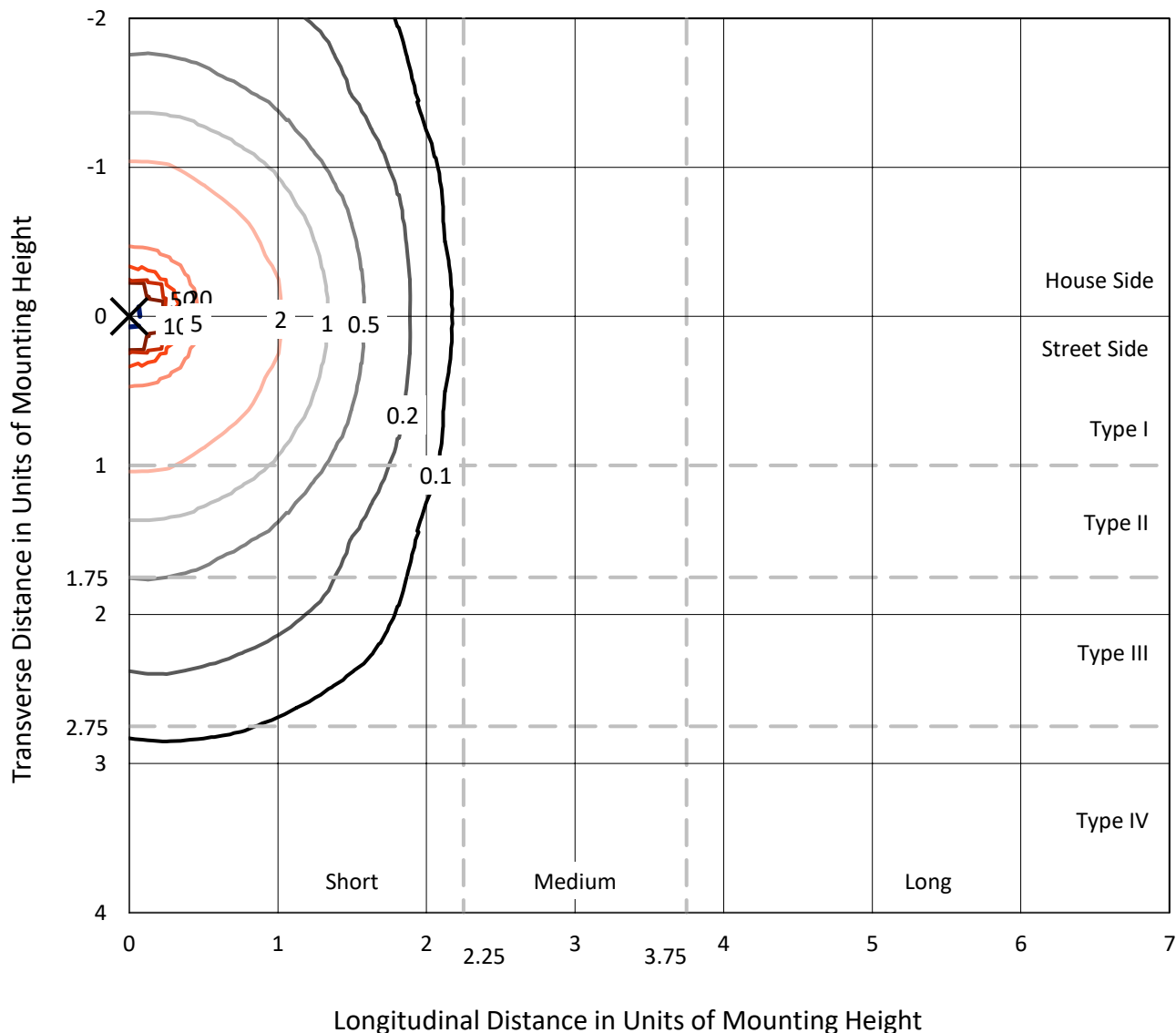


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

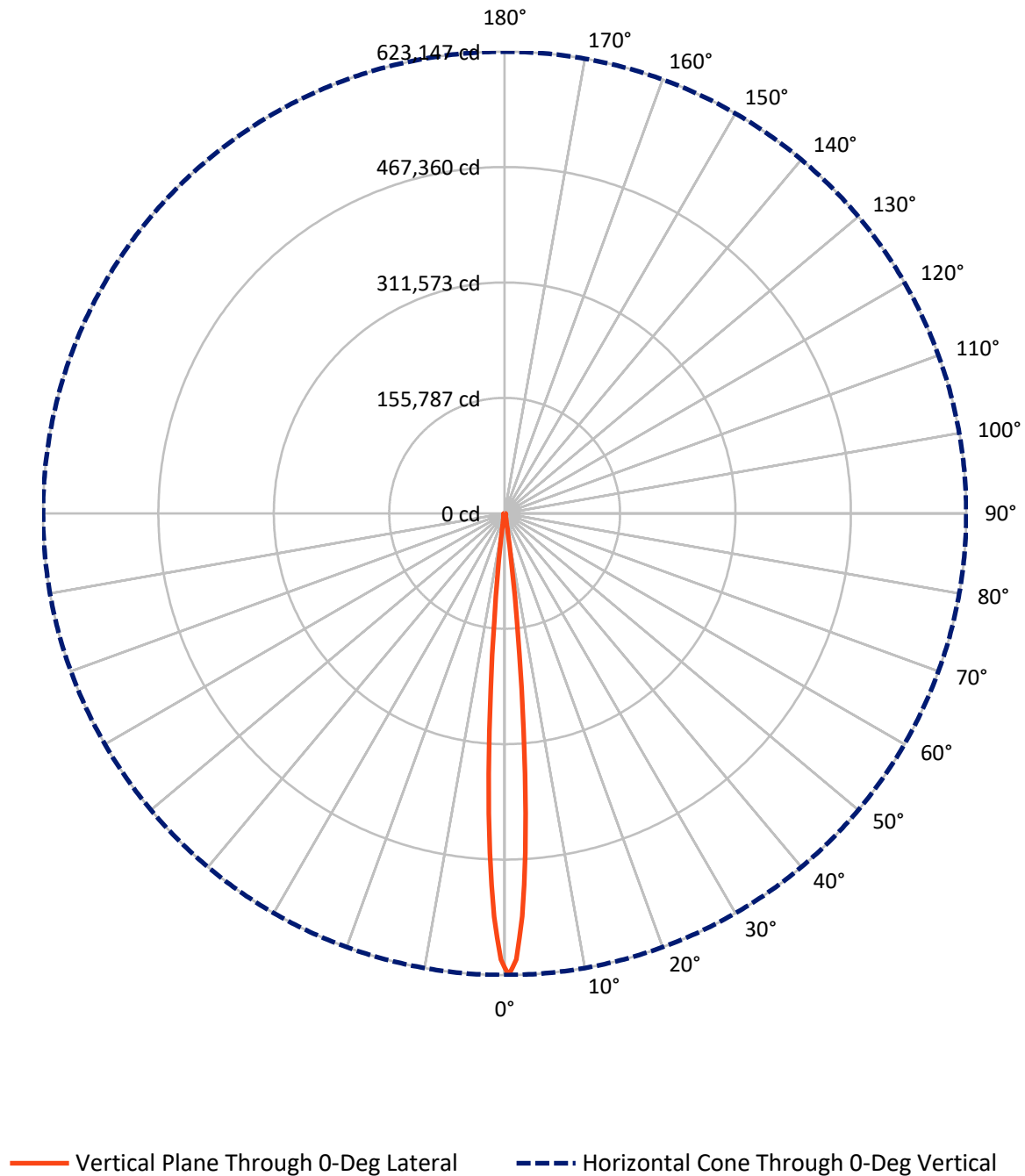
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1557.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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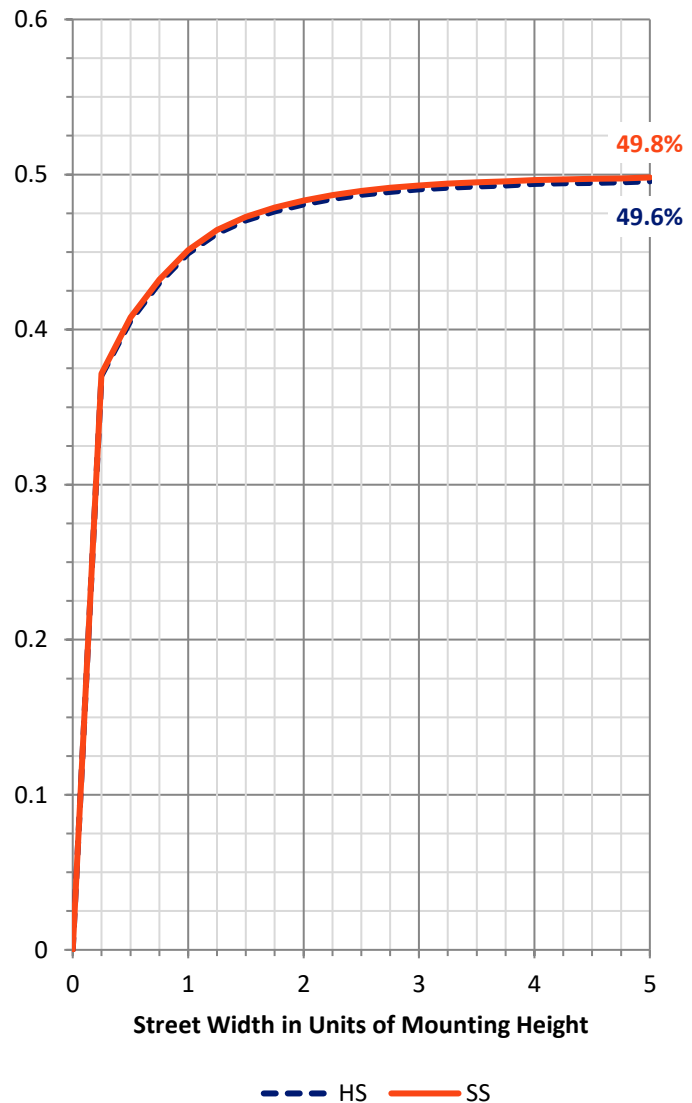
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13265.1	0.0	13265.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13265.1	0.0	13265.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	26530.2	0.0	26530.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16745.3	63.1
10°-20°	2069.5	7.8
20°-30°	1239.9	4.7
30°-40°	1333.2	5.0
40°-50°	1792.6	6.8
50°-60°	1598.0	6.0
60°-70°	1055.5	4.0
70°-80°	523.4	2.0
80°-90°	172.8	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°	26530.2	100.0
0°-180°	26530.2	100.0

Coefficient of Utilization



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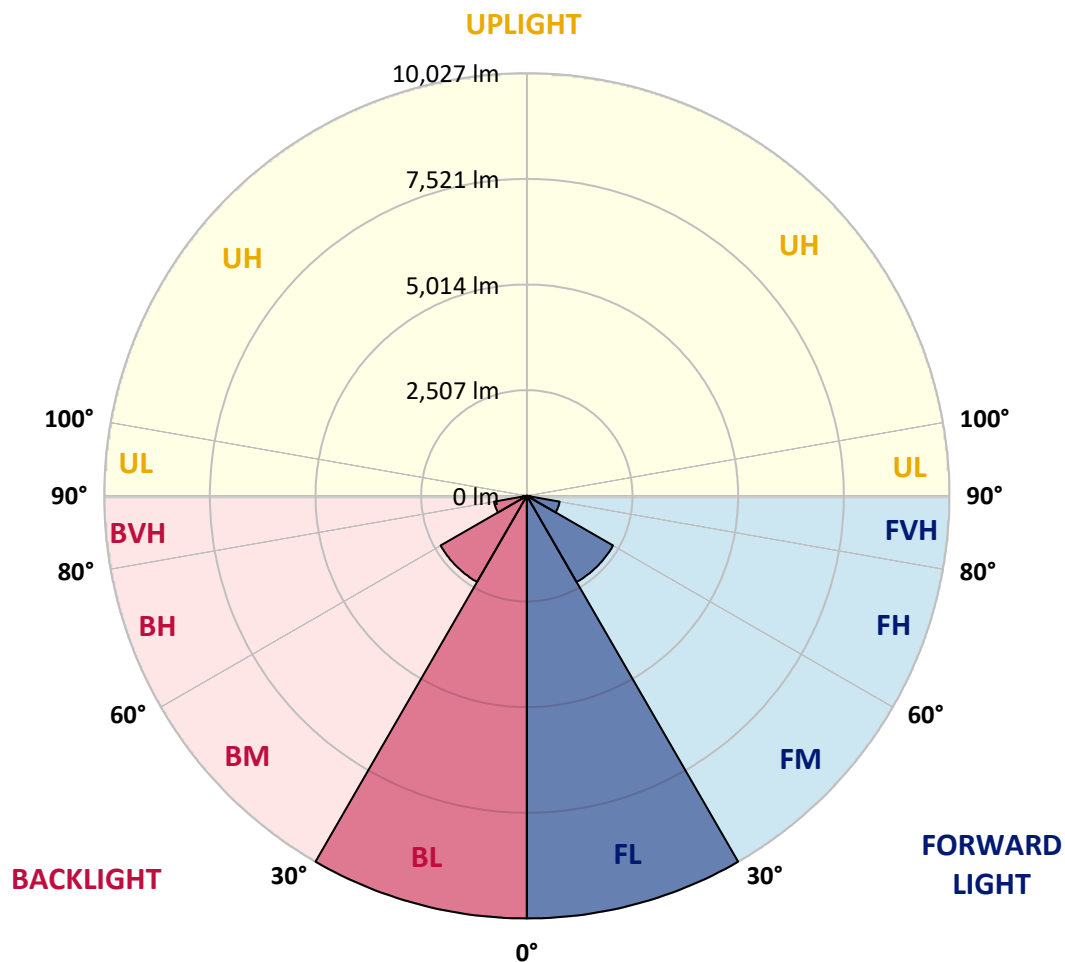
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10027.3	37.8			
FM	(30°-60°)	2361.9	8.9			
FH	(60°-80°)	789.4	3.0			G1/1800
FVH	(80°-90°)	86.4	0.3			G1/100
BL	(0°-30°)	10027.3	37.8	B5		
BM	(30°-60°)	2361.9	8.9	B2/2500		
BH	(60°-80°)	789.4	3.0	B2/1000		G1/1800
BVH	(80°-90°)	86.4	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°	623146.8	623146.8	623146.8	623146.8	623146.8	623146.8	623146.8	623146.8	623146.8	623146.8
1°	602259.9	596078.2	599257.7	602296.6	606558.3	608435.5	610349.3	611780.1	611755.6	614115.8
2°	544741.4	534781.0	539397.4	545059.3	556010.3	559153.1	564405.4	570905.1	571302.5	577184.6
3°	459151.5	445167.8	451967.0	462049.7	480203.5	484899.4	493319.0	499262.2	496608.5	503493.4
4°	352338.4	334092.9	344481.3	359406.7	377077.4	395004.9	395359.5	399621.3	390871.6	390449.7
5°	237711.0	221623.9	234953.4	253620.8	268888.5	281417.0	289133.4	289665.4	280206.3	279344.2
6°	144979.4	134334.2	145933.3	165689.0	186838.9	192048.4	193228.5	190550.3	178144.1	171277.6
7°	80129.7	75788.5	87124.6	98913.3	115403.9	123028.6	117751.8	109191.6	105394.6	97219.6
8°	44189.0	42049.0	45283.5	55470.2	68267.7	73275.4	68182.1	59291.7	52889.9	50627.5
9°	26640.6	25454.4	26775.1	30651.7	36179.1	39652.1	36735.5	32357.6	29655.0	28902.9
10°	17695.2	17230.5	17793.0	19101.5	21088.7	22103.7	21376.1	19639.6	18820.2	18771.3
12.5°	9287.8	9202.2	9342.9	9489.6	9832.0	9887.0	9758.6	9636.4	9446.8	9520.2
15°	5979.9	5900.4	6047.2	6236.7	6322.3	6377.4	6383.5	6316.2	6187.8	6126.7
17.5°	4359.6	4377.9	4390.2	4500.2	4665.3	4793.7	4738.7	4665.3	4518.6	4445.2
20°	3589.2	3595.3	3619.7	3680.9	3735.9	3913.2	3858.2	3748.2	3607.5	3552.5
22.5°	3069.4	3081.7	3093.9	3130.6	3142.8	3191.7	3197.9	3100.0	3020.5	2990.0
25°	2702.6	2702.6	2720.9	2751.5	2763.7	2727.0	2733.2	2690.4	2617.0	2580.3
27.5°	2292.9	2305.1	2323.5	2335.7	2311.3	2268.5	2213.4	2250.1	2213.4	2127.8
30°	2042.2	2054.5	2109.5	2072.8	2017.8	1962.7	1932.2	1981.1	1987.2	1913.8
32.5°	2023.9	2030.0	2048.3	2030.0	1962.7	1895.5	1852.7	1907.7	1919.9	1889.4
35°	2115.6	2097.3	2121.7	2133.9	2066.7	1993.3	1938.3	1987.2	2023.9	2036.1
37.5°	2561.9	2458.0	2378.5	2354.1	2311.3	2262.3	2189.0	2201.2	2268.5	2329.6
40°	2439.7	2415.2	2384.6	2305.1	2225.7	2286.8	2201.2	2176.7	2329.6	2341.8
42.5°	2421.3	2439.7	2415.2	2317.4	2237.9	2299.0	2280.7	2207.3	2360.2	2341.8
45°	2433.5	2451.9	2506.9	2341.8	2274.6	2305.1	2341.8	2262.3	2415.2	2354.1
47.5°	2335.7	2360.2	2421.3	2329.6	2286.8	2280.7	2335.7	2262.3	2341.8	2335.7
50°	2207.3	2231.8	2250.1	2170.6	2250.1	2207.3	2213.4	2182.9	2182.9	2195.1
52.5°	2042.2	2066.7	2085.0	1993.3	2042.2	2060.6	1987.2	1981.1	1926.0	1944.4
55°	1840.4	1877.1	1895.5	1858.8	1834.3	1871.0	1767.1	1754.8	1644.8	1650.9
57.5°	1608.1	1644.8	1663.1	1705.9	1687.6	1614.2	1553.1	1504.2	1381.9	1332.9
60°	1657.0	1693.7	1657.0	1534.7	1534.7	1369.6	1314.6	1210.7	1088.4	1027.2
62.5°	1602.0	1650.9	1644.8	1516.4	1363.5	1155.6	1057.8	947.7	825.4	746.0
65°	1510.3	1559.2	1534.7	1449.1	1302.4	990.5	843.8	733.7	580.9	562.5
67.5°	1357.4	1430.8	1381.9	1326.8	1210.7	898.8	672.6	550.3	421.9	421.9
70°	1125.1	1180.1	1210.7	1149.5	1082.3	843.8	574.8	421.9	305.7	232.3
72.5°	904.9	953.9	1002.8	972.2	911.1	764.3	513.6	336.3	220.1	134.5
75°	501.4	519.7	538.1	611.4	697.0	623.7	470.8	293.5	183.4	103.9
77.5°	385.2	403.6	446.4	409.7	379.1	483.0	513.6	342.4	159.0	73.4
80°	299.6	324.1	458.6	379.1	324.1	366.9	440.2	299.6	103.9	36.7
82.5°	226.2	244.6	324.1	360.8	342.4	275.1	238.5	201.8	91.7	24.5
85°	165.1	189.5	226.2	201.8	195.7	195.7	262.9	177.3	67.3	18.3
87.5°	97.8	97.8	103.9	97.8	91.7	91.7	103.9	85.6	42.8	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

623146.8

609371.0

571987.3

496131.6

388590.9

275852.9

171876.8

93379.7

48573.1

27881.8

18190.5

9245.0

6028.8

4365.7

3491.3

2953.3

2549.7

2133.9

1889.4

1871.0

2036.1

2384.6

2360.2

2329.6

2335.7

2323.5

2152.3

1913.8

1608.1

1302.4

978.3

733.7

562.5

373.0

207.9

128.4

91.7

36.7

24.5

18.3

12.2

12.2

0.0

OF REPORT)