

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: P635860

Luminaire Tested: **IFLD-L-SA7C-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635860
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20609.3 lumens
Efficiency: N/A
Efficacy: 55.9 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

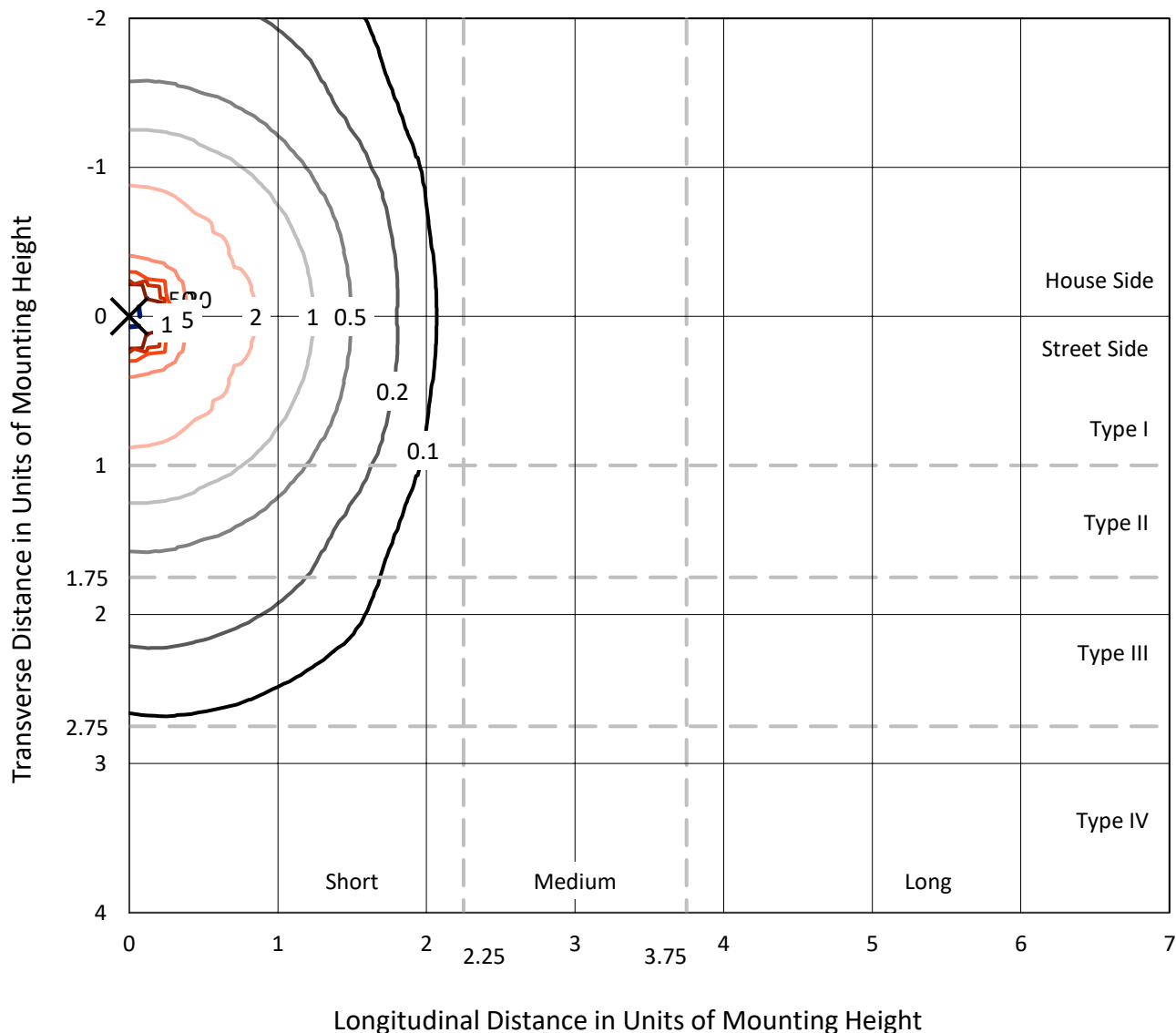


REPORT NUMBER: P635860
 CATALOG NUMBER: IFLD-L-SA7C-927-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

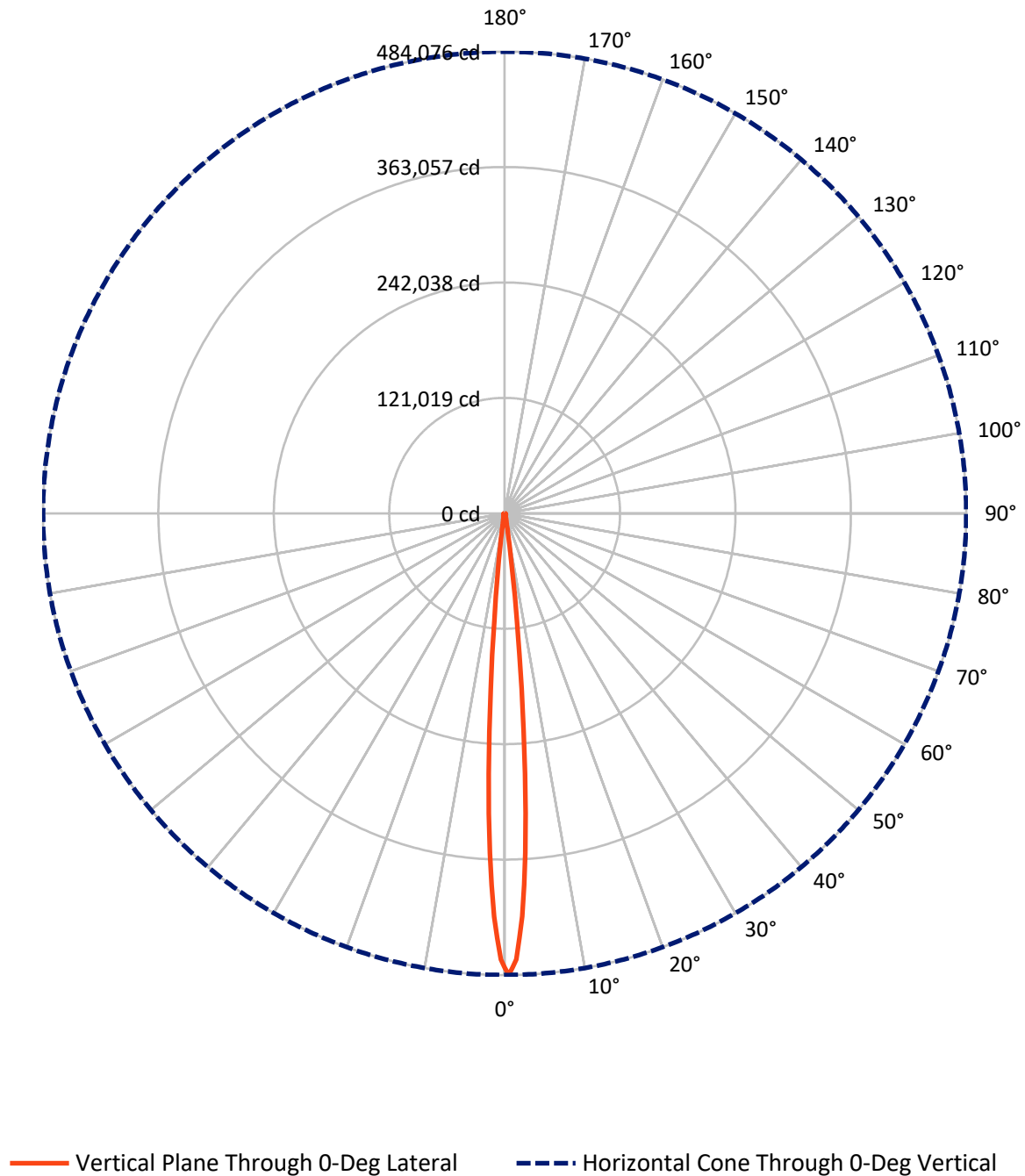
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1210.2 fc
 Type V - Short - N/A

REPORT NUMBER: P635860
CATALOG NUMBER: IFLD-L-SA7C-927-U-11-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P635860

CATALOG NUMBER: IFLD-L-SA7C-927-U-11-VI

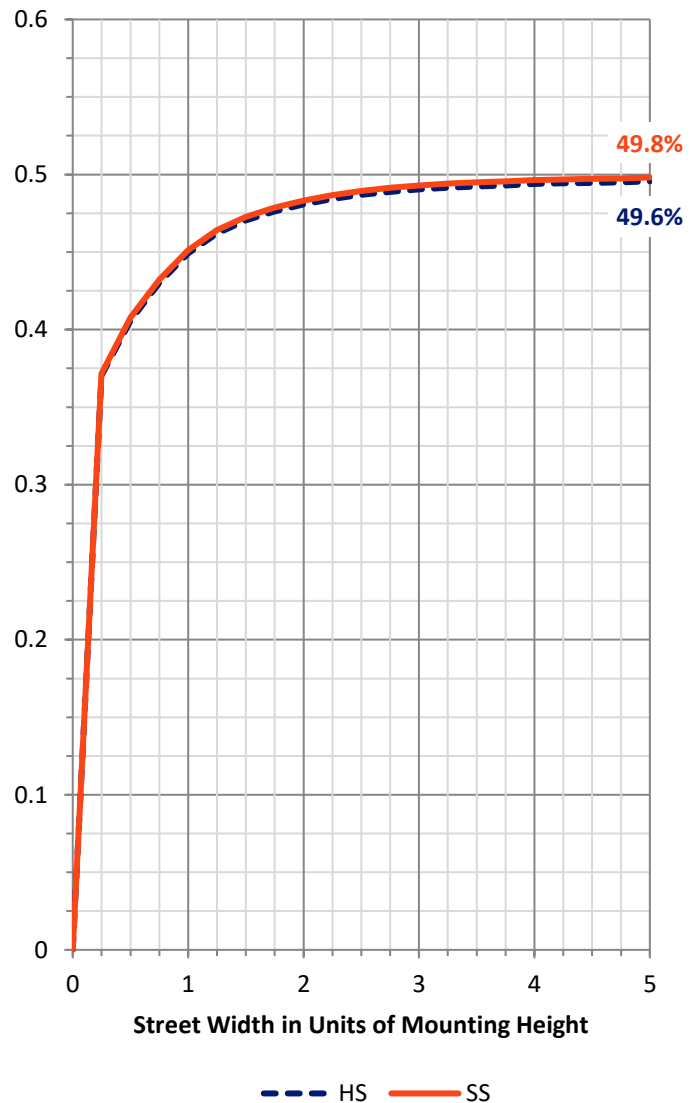
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10304.7	0.0	10304.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10304.7	0.0	10304.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	20609.3	0.0	20609.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13008.1	63.1
10°-20°	1607.6	7.8
20°-30°	963.2	4.7
30°-40°	1035.7	5.0
40°-50°	1392.5	6.8
50°-60°	1241.4	6.0
60°-70°	820.0	4.0
70°-80°	406.5	2.0
80°-90°	134.2	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°	20609.3	100.0
0°-180°	20609.3	100.0



REPORT NUMBER: P635860

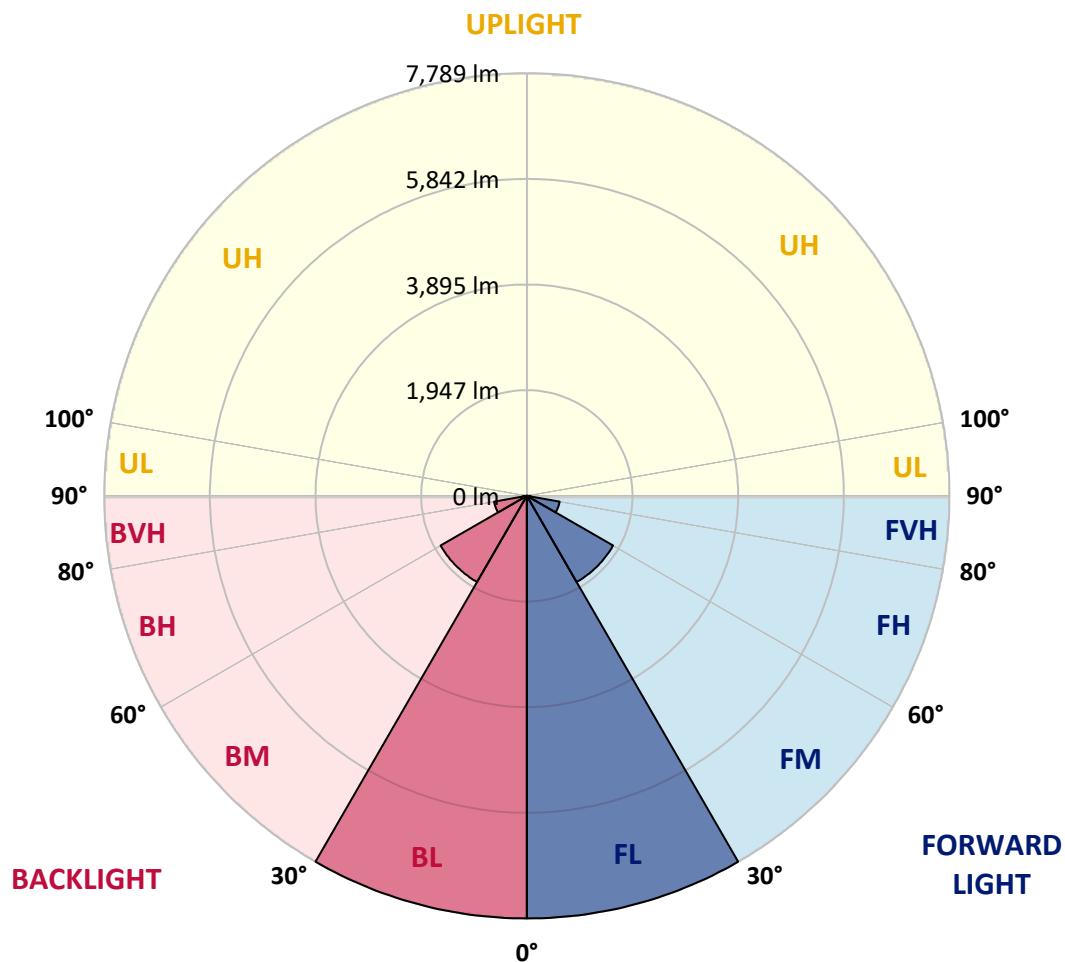
CATALOG NUMBER: IFLD-L-SA7C-927-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7789.5	37.8			
FM	(30°-60°)	1834.8	8.9			
FH	(60°-80°)	613.3	3.0			G0/660
FVH	(80°-90°)	67.1	0.3			G1/100
BL	(0°-30°)	7789.5	37.8	B5		
BM	(30°-60°)	1834.8	8.9	B2/2500		
BH	(60°-80°)	613.3	3.0	B2/1000		G0/660
BVH	(80°-90°)	67.1	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



REPORT NUMBER: P635860

CATALOG NUMBER: IFLD-L-SA7C-927-U-11-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	484076.3	484076.3	484076.3	484076.3	484076.3	484076.3	484076.3	484076.3	484076.3	484076.3
1°	467850.8	463048.7	465518.6	467879.3	471190.0	472648.2	474134.9	475246.3	475227.3	477060.8
2°	423169.0	415431.5	419017.6	423416.0	431922.9	434364.4	438444.5	443493.6	443802.3	448371.7
3°	356680.6	345817.6	351099.5	358932.0	373034.3	376682.2	383222.7	387839.6	385778.1	391126.5
4°	273705.4	259531.9	267601.9	279196.2	292923.3	306849.9	307125.4	310436.0	303639.0	303311.2
5°	184660.0	172163.1	182517.8	197019.1	208879.4	218611.9	224606.2	225019.4	217671.4	217001.7
6°	112623.7	104354.2	113364.7	128711.5	145141.2	149188.1	150104.8	148024.4	138386.9	133052.8
7°	62246.8	58874.4	67680.6	76838.3	89648.7	95571.8	91472.6	84822.8	81873.2	75522.6
8°	34327.2	32664.7	35177.4	43090.6	53032.1	56922.2	52965.6	46059.3	41086.2	39328.8
9°	20695.1	19773.6	20799.6	23811.0	28104.9	30802.8	28537.1	25136.2	23036.8	22452.5
10°	13746.1	13385.1	13822.1	14838.5	16382.2	17170.7	16605.5	15256.5	14620.0	14582.0
12.5°	7215.0	7148.5	7257.8	7371.8	7637.8	7680.5	7580.8	7485.8	7338.5	7395.5
15°	4645.4	4583.6	4697.6	4844.8	4911.3	4954.1	4958.8	4906.6	4806.8	4759.4
17.5°	3386.6	3400.9	3410.4	3495.9	3624.1	3723.9	3681.1	3624.1	3510.1	3453.1
20°	2788.2	2792.9	2811.9	2859.4	2902.2	3039.9	2997.2	2911.7	2802.4	2759.7
22.5°	2384.4	2393.9	2403.4	2431.9	2441.4	2479.4	2484.2	2408.2	2346.4	2322.7
25°	2099.4	2099.4	2113.7	2137.4	2146.9	2118.4	2123.2	2089.9	2032.9	2004.4
27.5°	1781.2	1790.7	1804.9	1814.4	1795.4	1762.2	1719.4	1747.9	1719.4	1652.9
30°	1586.5	1595.9	1638.7	1610.2	1567.5	1524.7	1501.0	1539.0	1543.7	1486.7
32.5°	1572.2	1577.0	1591.2	1577.0	1524.7	1472.5	1439.2	1482.0	1491.5	1467.7
35°	1643.4	1629.2	1648.2	1657.7	1605.4	1548.5	1505.7	1543.7	1572.2	1581.7
37.5°	1990.2	1909.4	1847.7	1828.7	1795.4	1757.4	1700.4	1709.9	1762.2	1809.7
40°	1895.2	1876.2	1852.4	1790.7	1728.9	1776.4	1709.9	1690.9	1809.7	1819.2
42.5°	1880.9	1895.2	1876.2	1800.2	1738.4	1785.9	1771.7	1714.7	1833.4	1819.2
45°	1890.4	1904.7	1947.4	1819.2	1766.9	1790.7	1819.2	1757.4	1876.2	1828.7
47.5°	1814.4	1833.4	1880.9	1809.7	1776.4	1771.7	1814.4	1757.4	1819.2	1814.4
50°	1714.7	1733.7	1747.9	1686.2	1747.9	1714.7	1719.4	1695.7	1695.7	1705.2
52.5°	1586.5	1605.4	1619.7	1548.5	1586.5	1600.7	1543.7	1539.0	1496.2	1510.5
55°	1429.7	1458.2	1472.5	1444.0	1425.0	1453.5	1372.7	1363.2	1277.7	1282.5
57.5°	1249.2	1277.7	1292.0	1325.2	1311.0	1254.0	1206.5	1168.5	1073.5	1035.5
60°	1287.2	1315.7	1287.2	1192.2	1192.2	1064.0	1021.2	940.5	845.5	798.0
62.5°	1244.5	1282.5	1277.7	1178.0	1059.2	897.7	821.7	736.2	641.2	579.5
65°	1173.2	1211.2	1192.2	1125.7	1011.7	769.5	655.5	570.0	451.2	437.0
67.5°	1054.5	1111.5	1073.5	1030.7	940.5	698.2	522.5	427.5	327.7	327.7
70°	874.0	916.7	940.5	893.0	840.7	655.5	446.5	327.7	237.5	180.5
72.5°	703.0	741.0	779.0	755.2	707.7	593.7	399.0	261.2	171.0	104.5
75°	389.5	403.7	418.0	475.0	541.5	484.5	365.7	228.0	142.5	80.7
77.5°	299.2	313.5	346.7	318.2	294.5	375.2	399.0	266.0	123.5	57.0
80°	232.7	251.7	356.2	294.5	251.7	285.0	342.0	232.7	80.7	28.5
82.5°	175.7	190.0	251.7	280.2	266.0	213.7	185.2	156.7	71.2	19.0
85°	128.2	147.2	175.7	156.7	152.0	152.0	204.2	137.7	52.2	14.2
87.5°	76.0	76.0	80.7	76.0	71.2	71.2	80.7	66.5	33.2	9.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

484076.3
473374.9
444334.3
385407.7
301867.3
214289.5
133518.3
72539.7
37732.8
21659.3
14130.8
7181.8
4683.4
3391.4
2712.2
2294.2
1980.7
1657.7
1467.7
1453.5
1581.7
1852.4
1833.4
1809.7
1814.4
1804.9
1671.9
1486.7
1249.2
1011.7
760.0
570.0
437.0
289.7
161.5
99.7
71.2
28.5
19.0
14.2
9.5
9.5
0.0

OF REPORT)