

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: P635876

Luminaire Tested: **IFLD-S-SA3E-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635876
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12676.5 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 232.1
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



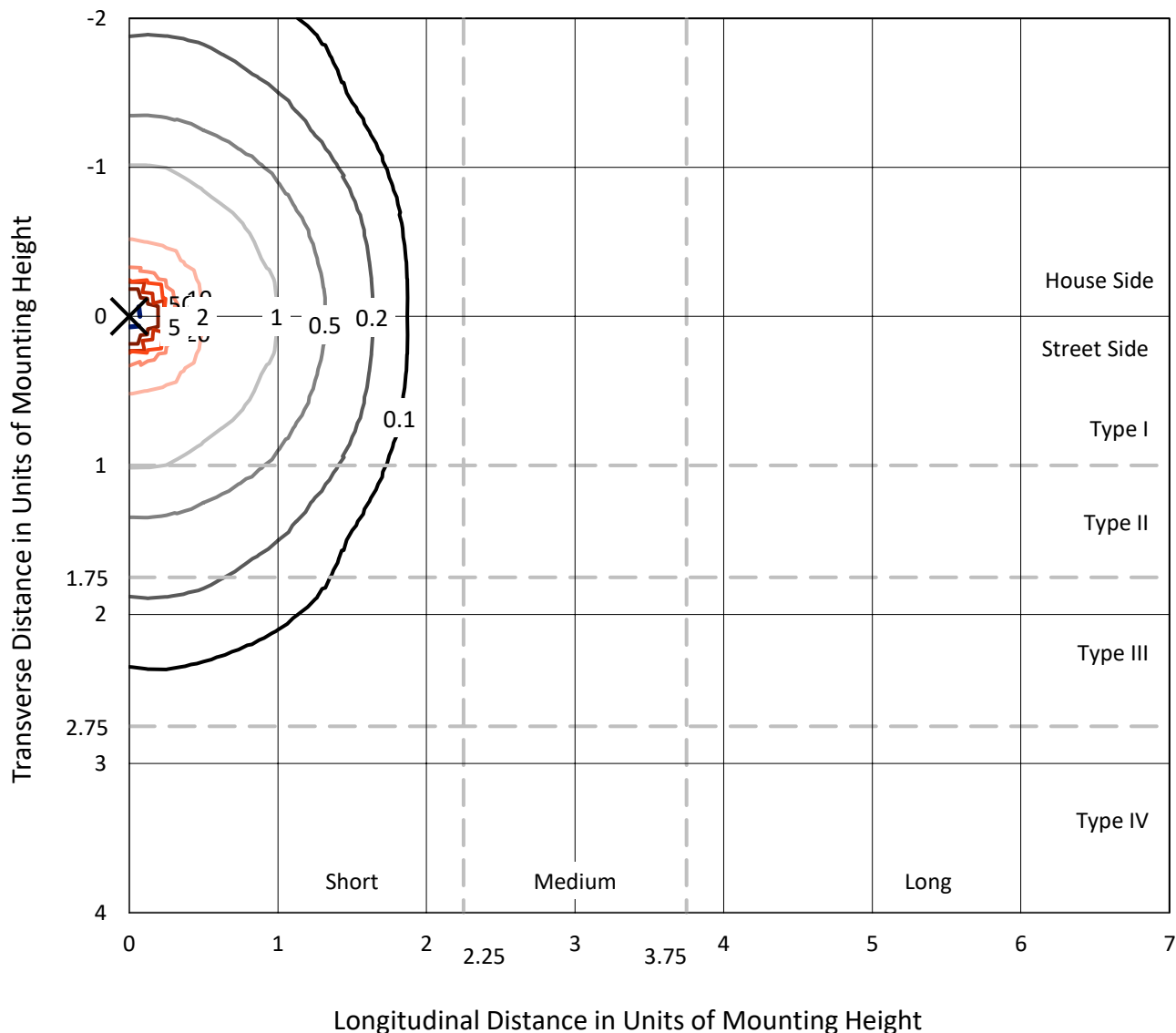
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

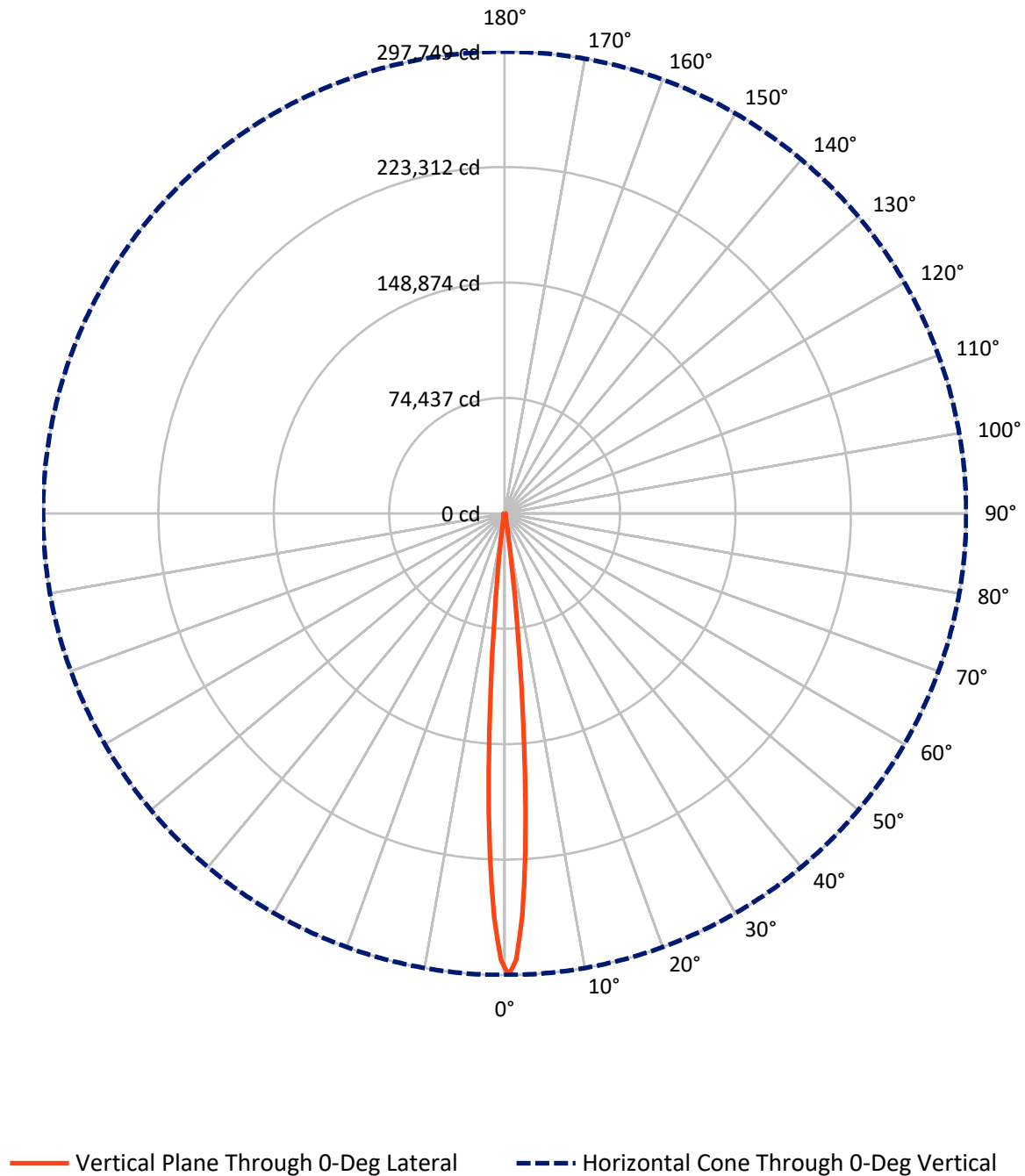


Based on 20 foot mounting height. Maximum calculated value = 744.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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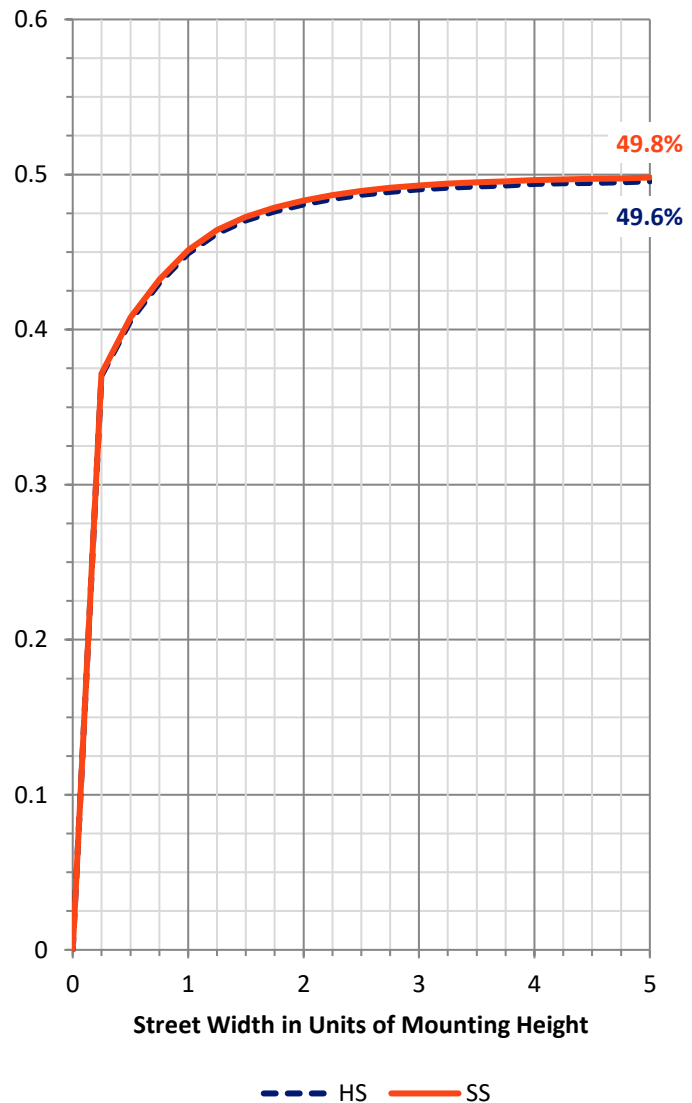
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6338.3	0.0	6338.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6338.3	0.0	6338.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	12676.5	0.0	12676.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8001.1	63.1
10°-20°	988.8	7.8
20°-30°	592.5	4.7
30°-40°	637.0	5.0
40°-50°	856.5	6.8
50°-60°	763.6	6.0
60°-70°	504.3	4.0
70°-80°	250.1	2.0
80°-90°	82.6	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°	12676.5	100.0
0°-180°	12676.5	100.0



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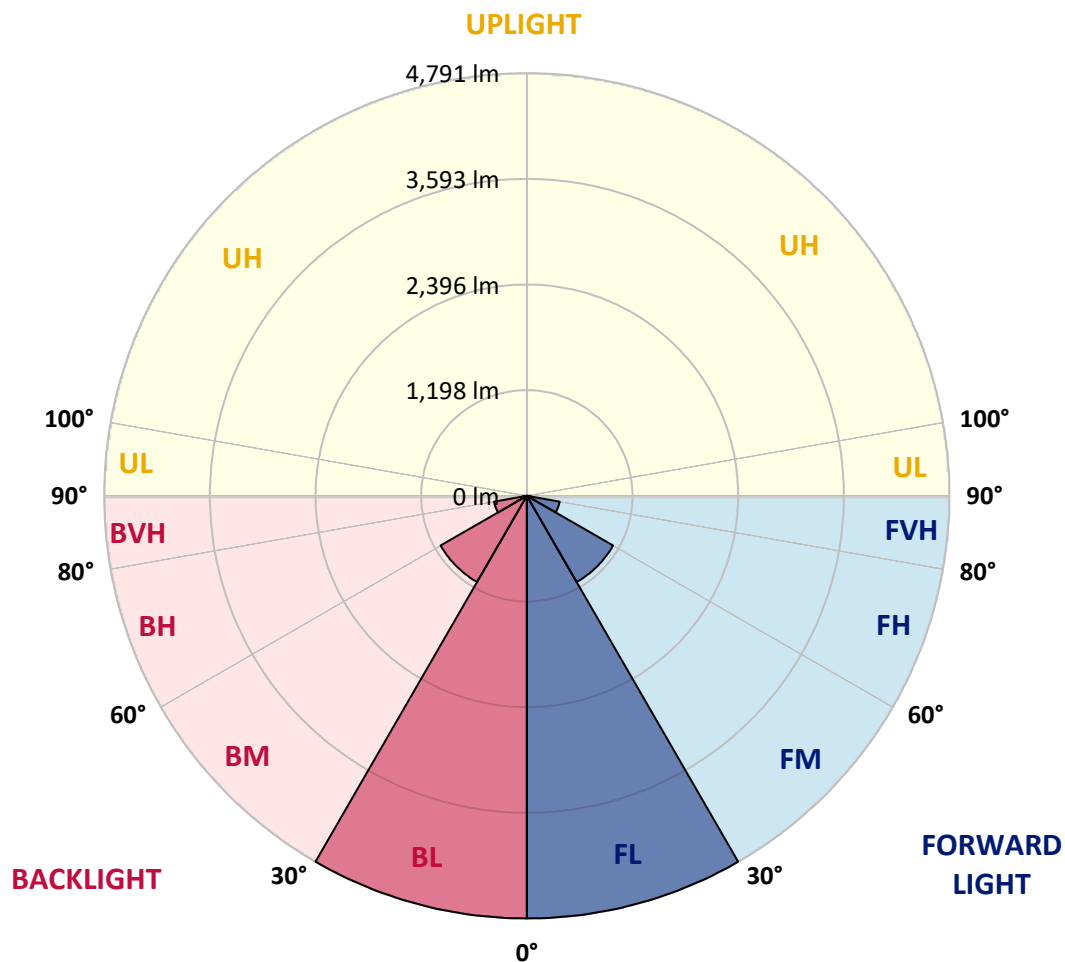
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4791.2	37.8			
FM	(30°-60°)	1128.6	8.9			
FH	(60°-80°)	377.2	3.0			G0/660
FVH	(80°-90°)	41.3	0.3			G1/100
BL	(0°-30°)	4791.2	37.8	B4/5000		
BM	(30°-60°)	1128.6	8.9	B2/2500		
BH	(60°-80°)	377.2	3.0	B1/500		G0/660
BVH	(80°-90°)	41.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	297748.9	297748.9	297748.9	297748.9	297748.9	297748.9	297748.9	297748.9	297748.9	297748.9
1°	287768.8	284815.1	286334.4	287786.4	289822.7	290719.6	291634.1	292317.7	292306.0	293433.8
2°	260285.6	255526.4	257732.2	260437.6	265670.1	267171.8	269681.4	272787.0	272976.9	275787.5
3°	219389.5	212707.9	215956.6	220774.3	229448.5	231692.2	235715.2	238555.0	237287.0	240576.7
4°	168352.6	159634.6	164598.4	171729.9	180173.2	188739.3	188908.7	190945.1	186764.3	186562.7
5°	113581.9	105895.2	112264.3	121183.8	128479.0	134465.3	138152.3	138406.5	133886.8	133474.9
6°	69273.4	64186.9	69729.1	79168.7	89274.4	91763.6	92327.5	91047.8	85120.0	81839.0
7°	38287.2	36212.9	41629.5	47262.2	55141.7	58784.9	56263.6	52173.4	50359.1	46453.0
8°	21114.2	20091.6	21637.2	26504.5	32619.3	35012.1	32578.4	28330.5	25271.6	24190.6
9°	12729.3	12162.5	12793.6	14645.8	17286.9	18946.4	17552.8	15461.0	14169.6	13810.3
10°	8455.0	8233.0	8501.8	9127.0	10076.5	10561.5	10213.8	9384.1	8992.6	8969.2
12.5°	4437.9	4397.0	4464.2	4534.3	4697.9	4724.2	4662.8	4604.4	4513.8	4548.9
15°	2857.3	2819.3	2889.4	2980.0	3020.9	3047.2	3050.1	3018.0	2956.6	2927.4
17.5°	2083.1	2091.8	2097.7	2150.3	2229.2	2290.5	2264.2	2229.2	2159.0	2124.0
20°	1715.0	1717.9	1729.6	1758.8	1785.1	1869.8	1843.5	1790.9	1723.7	1697.4
22.5°	1466.6	1472.5	1478.3	1495.8	1501.7	1525.1	1528.0	1481.2	1443.3	1428.6
25°	1291.3	1291.3	1300.1	1314.7	1320.5	1303.0	1305.9	1285.5	1250.4	1232.9
27.5°	1095.6	1101.4	1110.2	1116.0	1104.4	1083.9	1057.6	1075.1	1057.6	1016.7
30°	975.8	981.6	1007.9	990.4	964.1	937.8	923.2	946.6	949.5	914.5
32.5°	967.0	970.0	978.7	970.0	937.8	905.7	885.2	911.5	917.4	902.8
35°	1010.9	1002.1	1013.8	1019.6	987.5	952.4	926.1	949.5	967.0	972.9
37.5°	1224.1	1174.5	1136.5	1124.8	1104.4	1081.0	1045.9	1051.8	1083.9	1113.1
40°	1165.7	1154.0	1139.4	1101.4	1063.5	1092.7	1051.8	1040.1	1113.1	1119.0
42.5°	1156.9	1165.7	1154.0	1107.3	1069.3	1098.5	1089.7	1054.7	1127.7	1119.0
45°	1162.8	1171.5	1197.8	1119.0	1086.8	1101.4	1119.0	1081.0	1154.0	1124.8
47.5°	1116.0	1127.7	1156.9	1113.1	1092.7	1089.7	1116.0	1081.0	1119.0	1116.0
50°	1054.7	1066.4	1075.1	1037.2	1075.1	1054.7	1057.6	1043.0	1043.0	1048.8
52.5°	975.8	987.5	996.3	952.4	975.8	984.6	949.5	946.6	920.3	929.1
55°	879.4	896.9	905.7	888.2	876.5	894.0	844.3	838.5	785.9	788.8
57.5°	768.4	785.9	794.7	815.1	806.4	771.3	742.1	718.7	660.3	636.9
60°	791.7	809.3	791.7	733.3	733.3	654.4	628.1	578.5	520.0	490.8
62.5°	765.5	788.8	785.9	724.5	651.5	552.2	505.4	452.8	394.4	356.4
65°	721.6	745.0	733.3	692.4	622.3	473.3	403.2	350.6	277.5	268.8
67.5°	648.6	683.6	660.3	634.0	578.5	429.5	321.4	262.9	201.6	201.6
70°	537.6	563.9	578.5	549.3	517.1	403.2	274.6	201.6	146.1	111.0
72.5°	432.4	455.8	479.1	464.5	435.3	365.2	245.4	160.7	105.2	64.3
75°	239.6	248.3	257.1	292.2	333.1	298.0	225.0	140.2	87.6	49.7
77.5°	184.1	192.8	213.3	195.7	181.1	230.8	245.4	163.6	76.0	35.1
80°	143.2	154.8	219.1	181.1	154.8	175.3	210.4	143.2	49.7	17.5
82.5°	108.1	116.9	154.8	172.4	163.6	131.5	113.9	96.4	43.8	11.7
85°	78.9	90.6	108.1	96.4	93.5	93.5	125.6	84.7	32.1	8.8
87.5°	46.7	46.7	49.7	46.7	43.8	43.8	49.7	40.9	20.5	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
297748.9
291166.6
273304.1
237059.1
185674.6
131806.6
82125.3
44618.2
23209.0
13322.4
8691.7
4417.4
2880.7
2086.0
1668.2
1411.1
1218.3
1019.6
902.8
894.0
972.9
1139.4
1127.7
1113.1
1116.0
1110.2
1028.4
914.5
768.4
622.3
467.5
350.6
268.8
178.2
99.3
61.4
43.8
17.5
11.7
8.8
5.8
5.8
0.0

OF REPORT)