

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: P635848

Luminaire Tested: **IFLD-S-SA6A-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635848
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-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: 12547.6 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 189.6
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



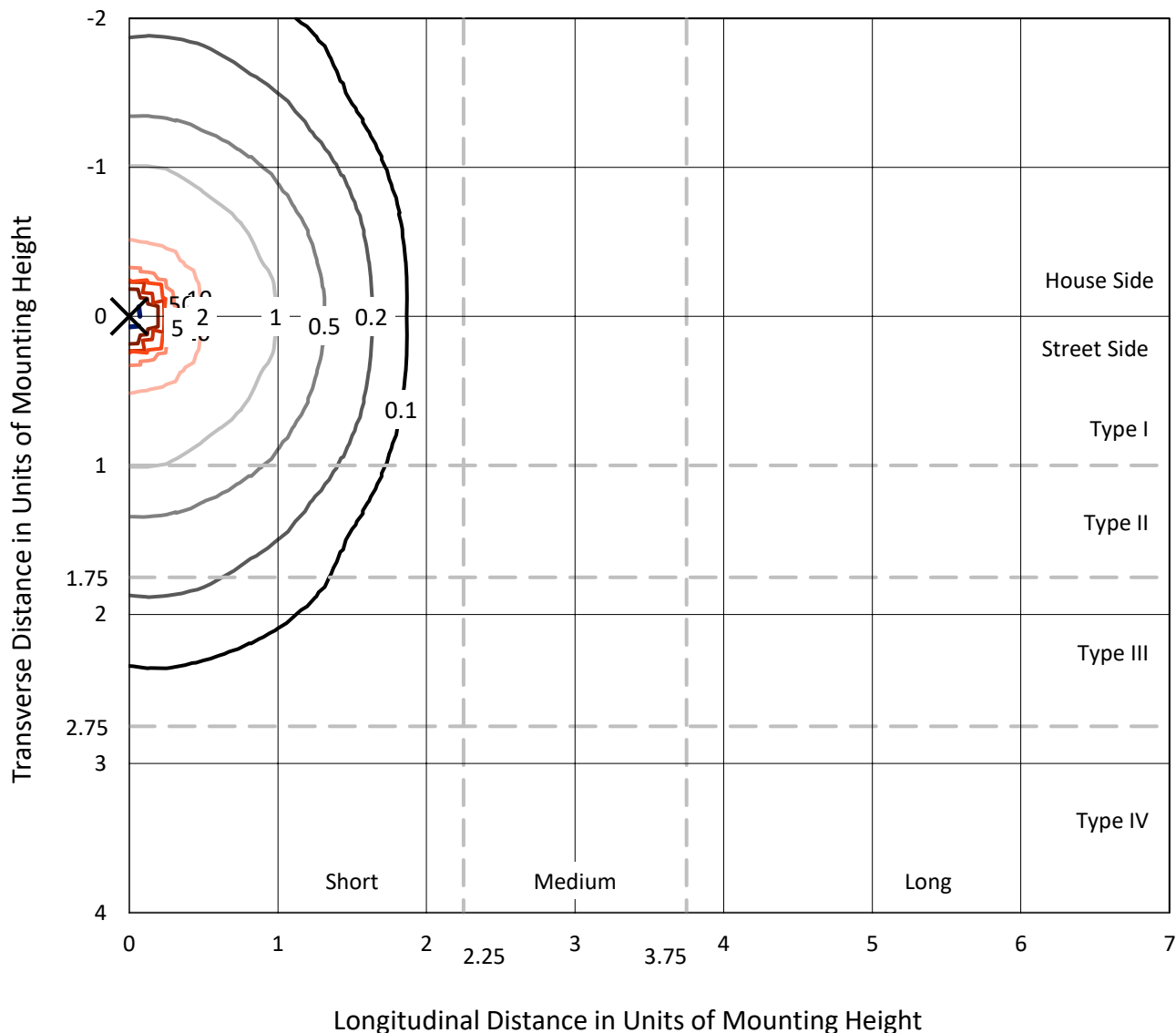
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

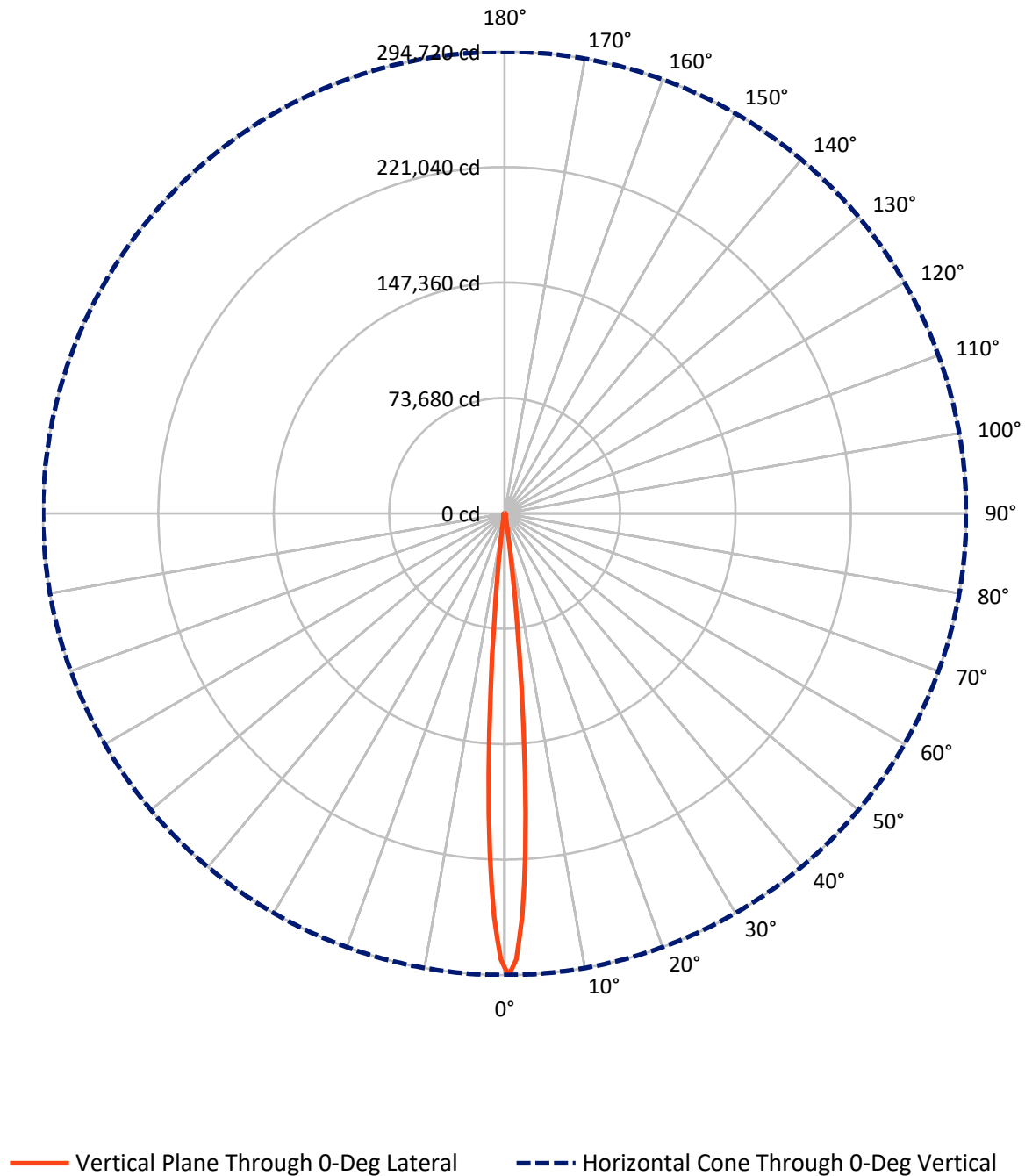


Based on 20 foot mounting height. Maximum calculated value = 736.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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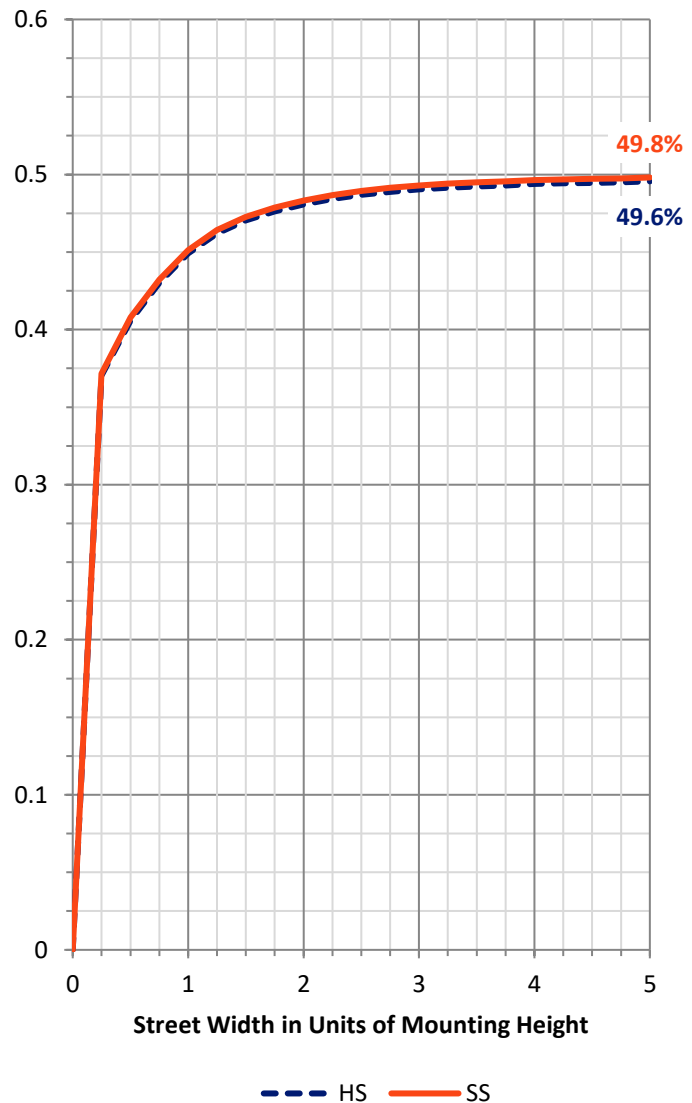
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6273.8	0.0	6273.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6273.8	0.0	6273.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	12547.6	0.0	12547.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7919.7	63.1
10°-20°	978.8	7.8
20°-30°	586.4	4.7
30°-40°	630.5	5.0
40°-50°	847.8	6.8
50°-60°	755.8	6.0
60°-70°	499.2	4.0
70°-80°	247.5	2.0
80°-90°	81.7	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°	12547.6	100.0
0°-180°	12547.6	100.0



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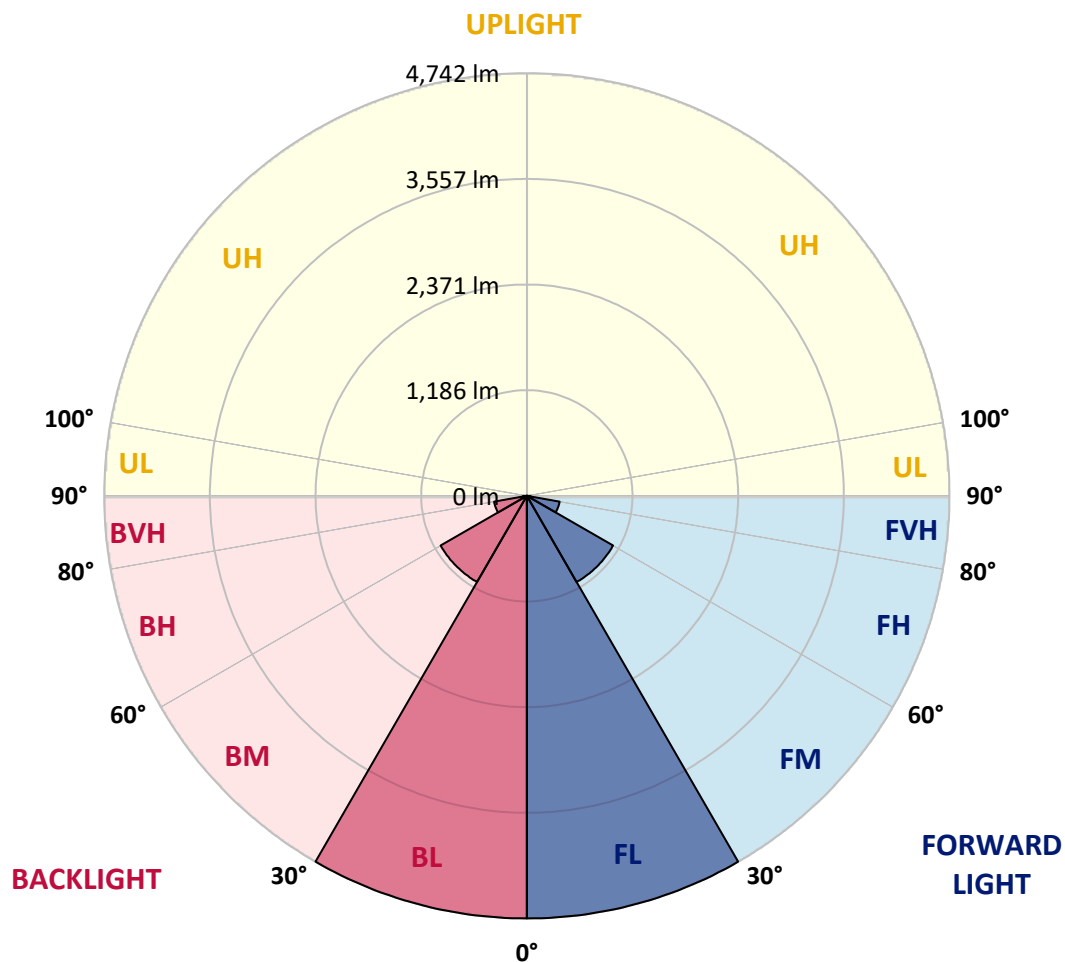
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4742.5	37.8			
FM	(30°-60°)	1117.1	8.9			
FH	(60°-80°)	373.4	3.0			G0/660
FVH	(80°-90°)	40.9	0.3			G1/100
BL	(0°-30°)	4742.5	37.8	B4/5000		
BM	(30°-60°)	1117.1	8.9	B2/2500		
BH	(60°-80°)	373.4	3.0	B1/500		G0/660
BVH	(80°-90°)	40.9	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°	294720.0	294720.0	294720.0	294720.0	294720.0	294720.0	294720.0	294720.0	294720.0	294720.0
1°	284841.5	281917.8	283421.6	284858.8	286874.4	287762.2	288667.4	289344.1	289332.5	290448.8
2°	257637.8	252927.0	255110.4	257788.2	262967.5	264453.9	266938.0	270012.1	270200.0	272982.0
3°	217157.7	210544.0	213759.8	218528.4	227114.3	229335.3	233317.4	236128.2	234873.2	238129.4
4°	166640.0	158010.7	162923.9	169983.0	178340.4	186819.3	186987.0	189002.7	184864.4	184664.9
5°	112426.5	104818.0	111122.2	119951.1	127172.0	133097.4	136746.9	136998.5	132524.8	132117.1
6°	68568.7	63533.9	69019.8	78363.4	88366.3	90830.1	91388.3	90121.6	84254.1	81006.5
7°	37897.7	35844.5	41206.0	46781.5	54580.8	58186.9	55691.3	51642.7	49846.8	45980.4
8°	20899.4	19887.3	21417.0	26234.9	32287.5	34655.9	32247.0	28042.3	25014.5	23944.5
9°	12599.8	12038.8	12663.4	14496.8	17111.1	18753.6	17374.2	15303.7	14025.5	13669.8
10°	8369.0	8149.2	8415.3	9034.1	9974.0	10454.0	10109.9	9288.6	8901.1	8878.0
12.5°	4392.7	4352.2	4418.7	4488.2	4650.1	4676.1	4615.4	4557.6	4467.9	4502.6
15°	2828.2	2790.6	2860.0	2949.7	2990.2	3016.2	3019.1	2987.3	2926.6	2897.6
17.5°	2061.9	2070.6	2076.3	2128.4	2206.5	2267.2	2241.2	2206.5	2137.1	2102.4
20°	1697.5	1700.4	1712.0	1740.9	1766.9	1850.8	1824.8	1772.7	1706.2	1680.2
22.5°	1451.7	1457.5	1463.3	1480.6	1486.4	1509.5	1512.4	1466.2	1428.6	1414.1
25°	1278.2	1278.2	1286.9	1301.3	1307.1	1289.8	1292.7	1272.4	1237.7	1220.4
27.5°	1084.4	1090.2	1098.9	1104.7	1093.1	1072.9	1046.8	1064.2	1046.8	1006.4
30°	965.9	971.7	997.7	980.3	954.3	928.3	913.8	937.0	939.9	905.1
32.5°	957.2	960.1	968.8	960.1	928.3	896.5	876.2	902.3	908.0	893.6
35°	1000.6	991.9	1003.5	1009.3	977.4	942.7	916.7	939.9	957.2	963.0
37.5°	1211.7	1162.5	1124.9	1113.4	1093.1	1070.0	1035.3	1041.1	1072.9	1101.8
40°	1153.8	1142.3	1127.8	1090.2	1052.6	1081.6	1041.1	1029.5	1101.8	1107.6
42.5°	1145.2	1153.8	1142.3	1096.0	1058.4	1087.3	1078.7	1044.0	1116.3	1107.6
45°	1151.0	1159.6	1185.7	1107.6	1075.8	1090.2	1107.6	1070.0	1142.3	1113.4
47.5°	1104.7	1116.3	1145.2	1101.8	1081.6	1078.7	1104.7	1070.0	1107.6	1104.7
50°	1044.0	1055.5	1064.2	1026.6	1064.2	1044.0	1046.8	1032.4	1032.4	1038.2
52.5°	965.9	977.4	986.1	942.7	965.9	974.6	939.9	937.0	910.9	919.6
55°	870.4	887.8	896.5	879.1	867.6	884.9	835.7	830.0	777.9	780.8
57.5°	760.6	777.9	786.6	806.8	798.2	763.4	734.5	711.4	653.6	630.4
60°	783.7	801.0	783.7	725.9	725.9	647.8	621.7	572.6	514.7	485.8
62.5°	757.7	780.8	777.9	717.2	644.9	546.6	500.3	448.2	390.4	352.8
65°	714.3	737.4	725.9	685.4	616.0	468.5	399.1	347.0	274.7	266.1
67.5°	642.0	676.7	653.6	627.5	572.6	425.1	318.1	260.3	199.5	199.5
70°	532.1	558.1	572.6	543.7	511.9	399.1	271.8	199.5	144.6	109.9
72.5°	428.0	451.1	474.3	459.8	430.9	361.5	242.9	159.1	104.1	63.6
75°	237.1	245.8	254.5	289.2	329.7	295.0	222.7	138.8	86.8	49.2
77.5°	182.2	190.9	211.1	193.8	179.3	228.5	242.9	161.9	75.2	34.7
80°	141.7	153.3	216.9	179.3	153.3	173.5	208.2	141.7	49.2	17.4
82.5°	107.0	115.7	153.3	170.6	161.9	130.1	112.8	95.4	43.4	11.6
85°	78.1	89.6	107.0	95.4	92.5	92.5	124.3	83.9	31.8	8.7
87.5°	46.3	46.3	49.2	46.3	43.4	43.4	49.2	40.5	20.2	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°
294720.0
288204.7
270523.9
234647.6
183785.8
130465.8
81289.9
44164.3
22972.9
13186.8
8603.3
4372.5
2851.4
2064.8
1651.2
1396.8
1205.9
1009.3
893.6
884.9
963.0
1127.8
1116.3
1101.8
1104.7
1098.9
1017.9
905.1
760.6
616.0
462.7
347.0
266.1
176.4
98.3
60.7
43.4
17.4
11.6
8.7
5.8
5.8
0.0

OF REPORT)