

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: P635849

Luminaire Tested: **IFLD-S-SA6B-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635849
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-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: 15518.1 lumens
Efficiency: N/A
Efficacy: 63.4 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): 244.9
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



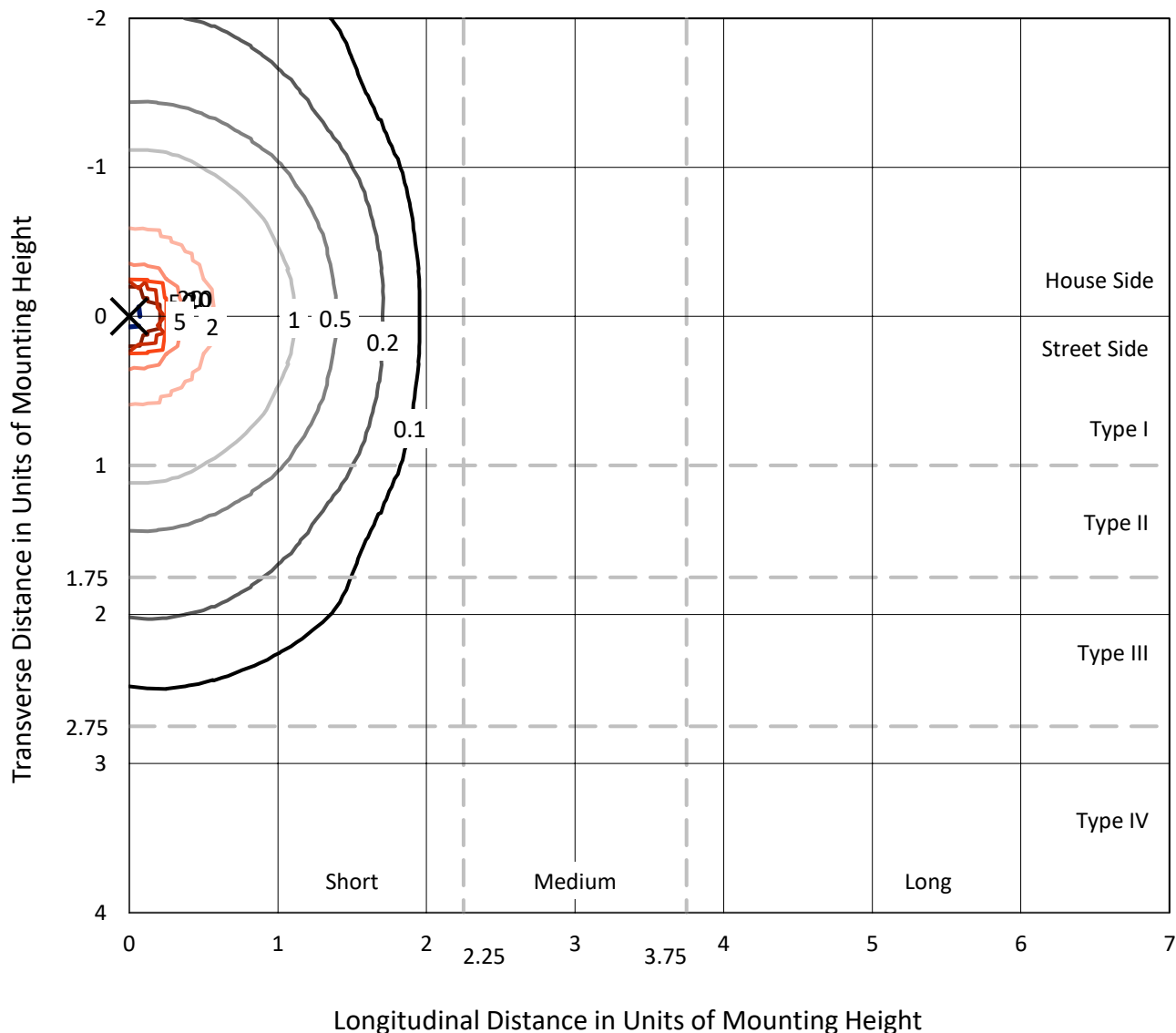
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

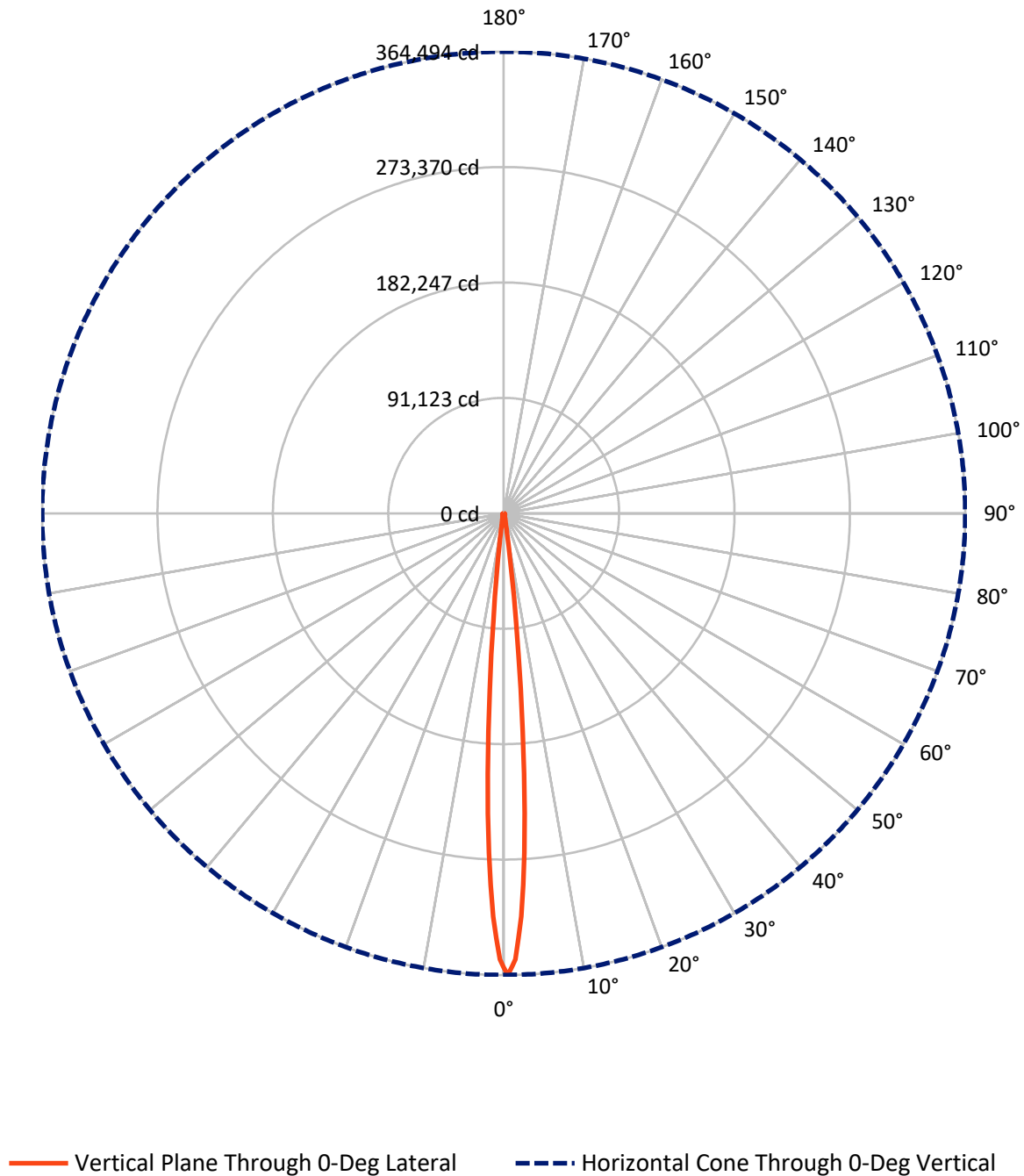


Based on 20 foot mounting height. Maximum calculated value = 911.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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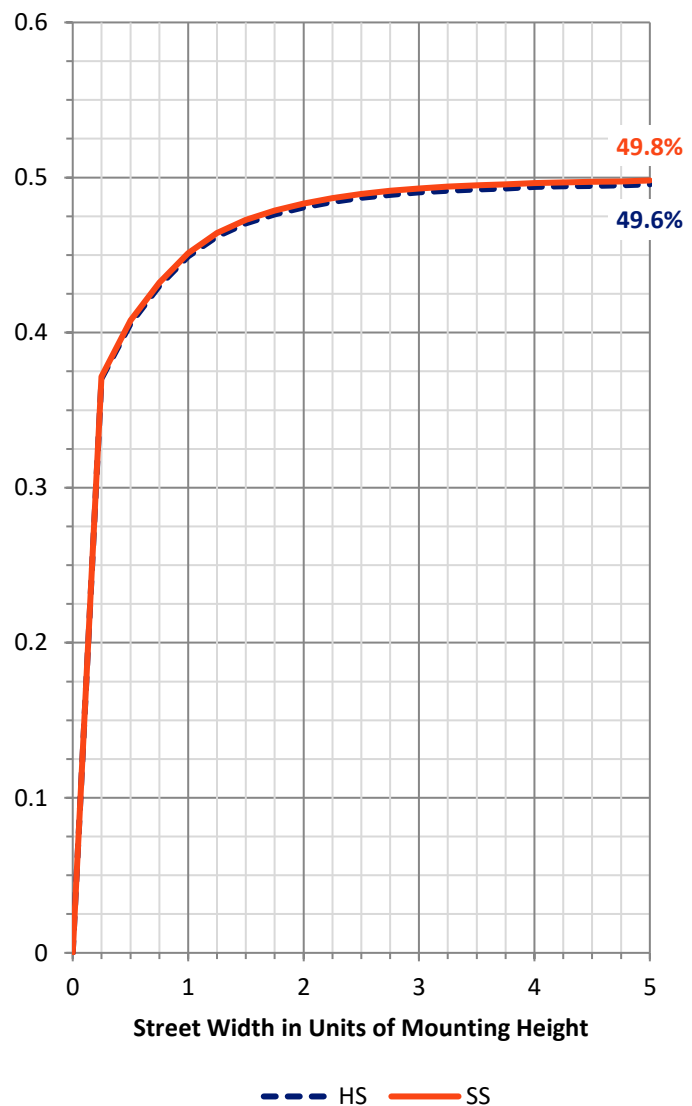
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7759.1	0.0	7759.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7759.1	0.0	7759.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15518.1	0.0	15518.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9794.7	63.1
10°-20°	1210.5	7.8
20°-30°	725.3	4.7
30°-40°	779.8	5.0
40°-50°	1048.5	6.8
50°-60°	934.7	6.0
60°-70°	617.4	4.0
70°-80°	306.1	2.0
80°-90°	101.1	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°	15518.1	100.0
0°-180°	15518.1	100.0

Coefficient of Utilization



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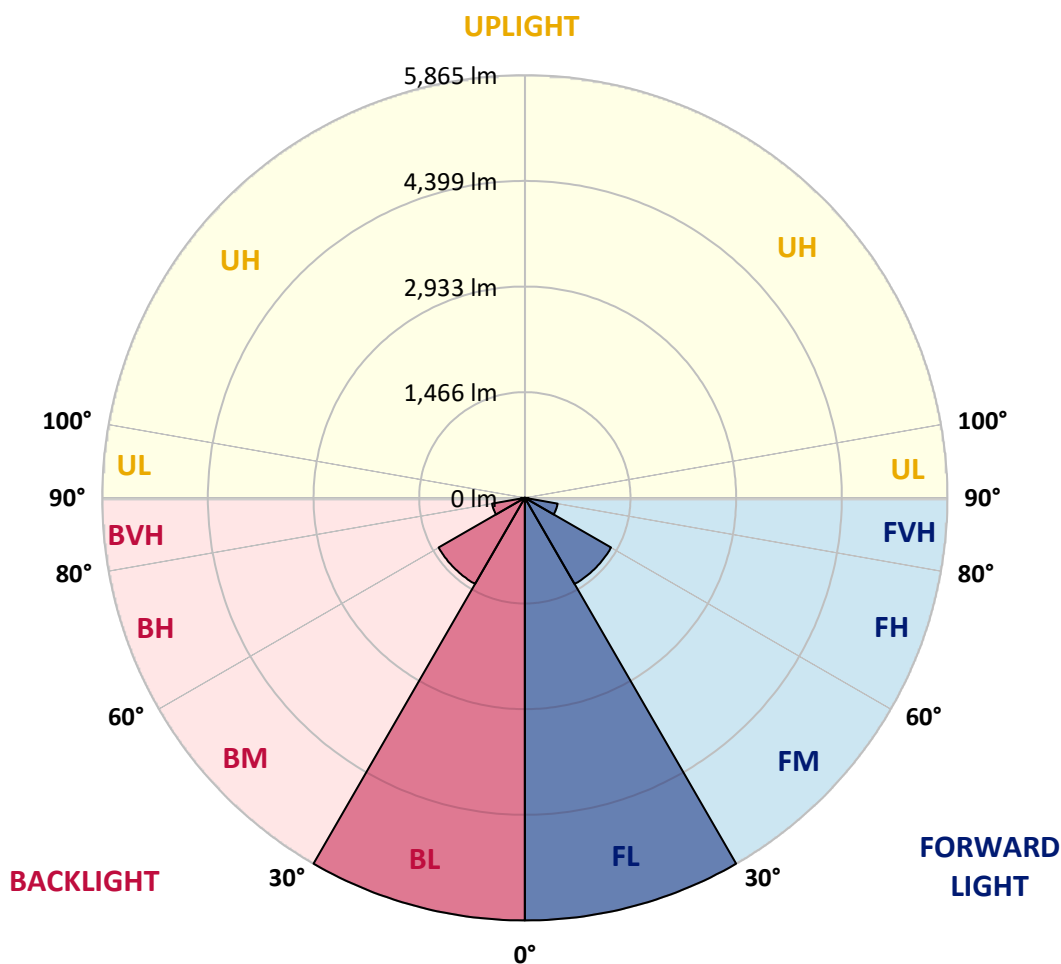
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5865.2	37.8			
FM	(30°-60°)	1381.5	8.9			
FH	(60°-80°)	461.8	3.0			G0/660
FVH	(80°-90°)	50.5	0.3			G1/100
BL	(0°-30°)	5865.2	37.8	B5		
BM	(30°-60°)	1381.5	8.9	B2/2500		
BH	(60°-80°)	461.8	3.0	B1/500		G0/660
BVH	(80°-90°)	50.5	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°	364493.5	364493.5	364493.5	364493.5	364493.5	364493.5	364493.5	364493.5	364493.5	364493.5
1°	352276.3	348660.4	350520.2	352297.7	354790.5	355888.5	357007.9	357844.8	357830.5	359211.1
2°	318632.3	312806.2	315506.5	318818.3	325223.8	327062.1	330134.3	333936.1	334168.5	337609.1
3°	268568.7	260389.3	264366.4	270264.0	280882.5	283629.3	288554.1	292030.4	290478.2	294505.4
4°	206091.2	195418.9	201495.4	210225.6	220561.6	231047.9	231255.3	233748.1	228630.1	228383.4
5°	139042.9	129633.1	137429.9	148348.9	157279.3	164607.6	169121.1	169432.2	163899.4	163395.1
6°	84802.0	78575.3	85359.9	96915.5	109286.5	112333.7	113024.0	111457.5	104200.8	100184.4
7°	46869.8	44330.5	50961.3	57856.7	67502.5	71962.4	68875.9	63868.8	61647.8	56866.1
8°	25847.2	24595.5	26487.4	32445.8	39931.4	42860.6	39881.3	34681.1	30936.6	29613.3
9°	15582.7	14888.9	15661.4	17928.9	21162.0	23193.5	21487.5	18926.7	17345.9	16906.0
10°	10350.3	10078.5	10407.6	11172.9	12335.3	12929.0	12503.4	11487.7	11008.4	10979.8
12.5°	5432.7	5382.6	5464.9	5550.7	5751.0	5783.2	5708.1	5636.5	5525.7	5568.6
15°	3497.8	3451.3	3537.1	3648.0	3698.1	3730.3	3733.8	3694.5	3619.4	3583.6
17.5°	2550.0	2560.8	2567.9	2632.3	2728.9	2804.0	2771.8	2728.9	2643.0	2600.1
20°	2099.4	2103.0	2117.3	2153.0	2185.2	2288.9	2256.8	2192.4	2110.1	2077.9
22.5°	1795.4	1802.5	1809.7	1831.2	1838.3	1866.9	1870.5	1813.3	1766.8	1748.9
25°	1580.8	1580.8	1591.5	1609.4	1616.6	1595.1	1598.7	1573.7	1530.7	1509.3
27.5°	1341.2	1348.3	1359.1	1366.2	1351.9	1326.9	1294.7	1316.1	1294.7	1244.6
30°	1194.5	1201.7	1233.9	1212.4	1180.2	1148.1	1130.2	1158.8	1162.4	1119.4
32.5°	1183.8	1187.4	1198.1	1187.4	1148.1	1108.7	1083.7	1115.9	1123.0	1105.1
35°	1237.5	1226.7	1241.0	1248.2	1208.9	1165.9	1133.7	1162.4	1183.8	1191.0
37.5°	1498.5	1437.7	1391.3	1376.9	1351.9	1323.3	1280.4	1287.5	1326.9	1362.6
40°	1427.0	1412.7	1394.8	1348.3	1301.8	1337.6	1287.5	1273.2	1362.6	1369.8
42.5°	1416.3	1427.0	1412.7	1355.5	1309.0	1344.8	1334.0	1291.1	1380.5	1369.8
45°	1423.4	1434.2	1466.4	1369.8	1330.5	1348.3	1369.8	1323.3	1412.7	1376.9
47.5°	1366.2	1380.5	1416.3	1362.6	1337.6	1334.0	1366.2	1323.3	1369.8	1366.2
50°	1291.1	1305.4	1316.1	1269.7	1316.1	1291.1	1294.7	1276.8	1276.8	1284.0
52.5°	1194.5	1208.9	1219.6	1165.9	1194.5	1205.3	1162.4	1158.8	1126.6	1137.3
55°	1076.5	1098.0	1108.7	1087.3	1072.9	1094.4	1033.6	1026.5	962.1	965.6
57.5°	940.6	962.1	972.8	997.8	987.1	944.2	908.4	879.8	808.3	779.7
60°	969.2	990.7	969.2	897.7	897.7	801.1	768.9	708.1	636.6	600.8
62.5°	937.0	965.6	962.1	887.0	797.6	676.0	618.7	554.4	482.8	436.3
65°	883.4	912.0	897.7	847.6	761.8	579.4	493.6	429.2	339.8	329.0
67.5°	794.0	836.9	808.3	776.1	708.1	525.7	393.4	321.9	246.8	246.8
70°	658.1	690.3	708.1	672.4	633.0	493.6	336.2	246.8	178.8	135.9
72.5°	529.3	557.9	586.5	568.7	532.9	447.1	300.4	196.7	128.8	78.7
75°	293.3	304.0	314.7	357.6	407.7	364.8	275.4	171.7	107.3	60.8
77.5°	225.3	236.0	261.1	239.6	221.7	282.5	300.4	200.3	93.0	42.9
80°	175.2	189.6	268.2	221.7	189.6	214.6	257.5	175.2	60.8	21.5
82.5°	132.3	143.1	189.6	211.0	200.3	160.9	139.5	118.0	53.6	14.3
85°	96.6	110.9	132.3	118.0	114.4	114.4	153.8	103.7	39.3	10.7
87.5°	57.2	57.2	60.8	57.2	53.6	53.6	60.8	50.1	25.0	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

364493.5

356435.7
334569.1
290199.3
227296.1
161353.0
100534.9
54620.0
28411.6
16308.8
10640.0
5407.6
3526.4
2553.6
2042.2
1727.4
1491.4
1248.2
1105.1
1094.4
1191.0
1394.8
1380.5
1362.6
1366.2
1359.1
1258.9
1119.4
940.6
761.8
572.2
429.2
329.0
218.2
121.6
75.1
53.6
21.5
14.3
10.7
7.2
7.2
0.0

OF REPORT)