

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: P635905

Luminaire Tested: **IFLD-S-SA3E-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635905
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13151.9 lumens
Efficiency: N/A
Efficacy: 56.7 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

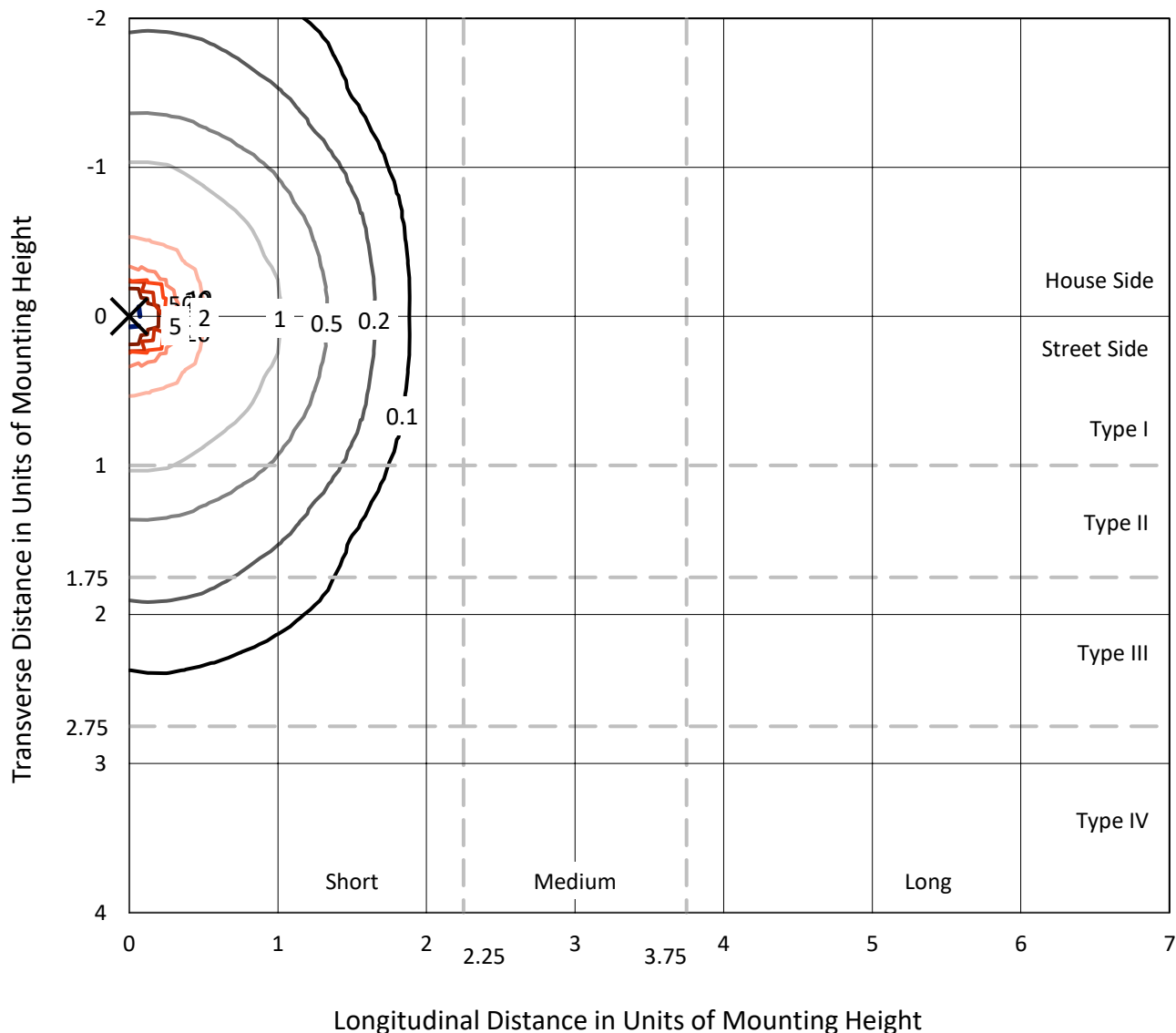


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

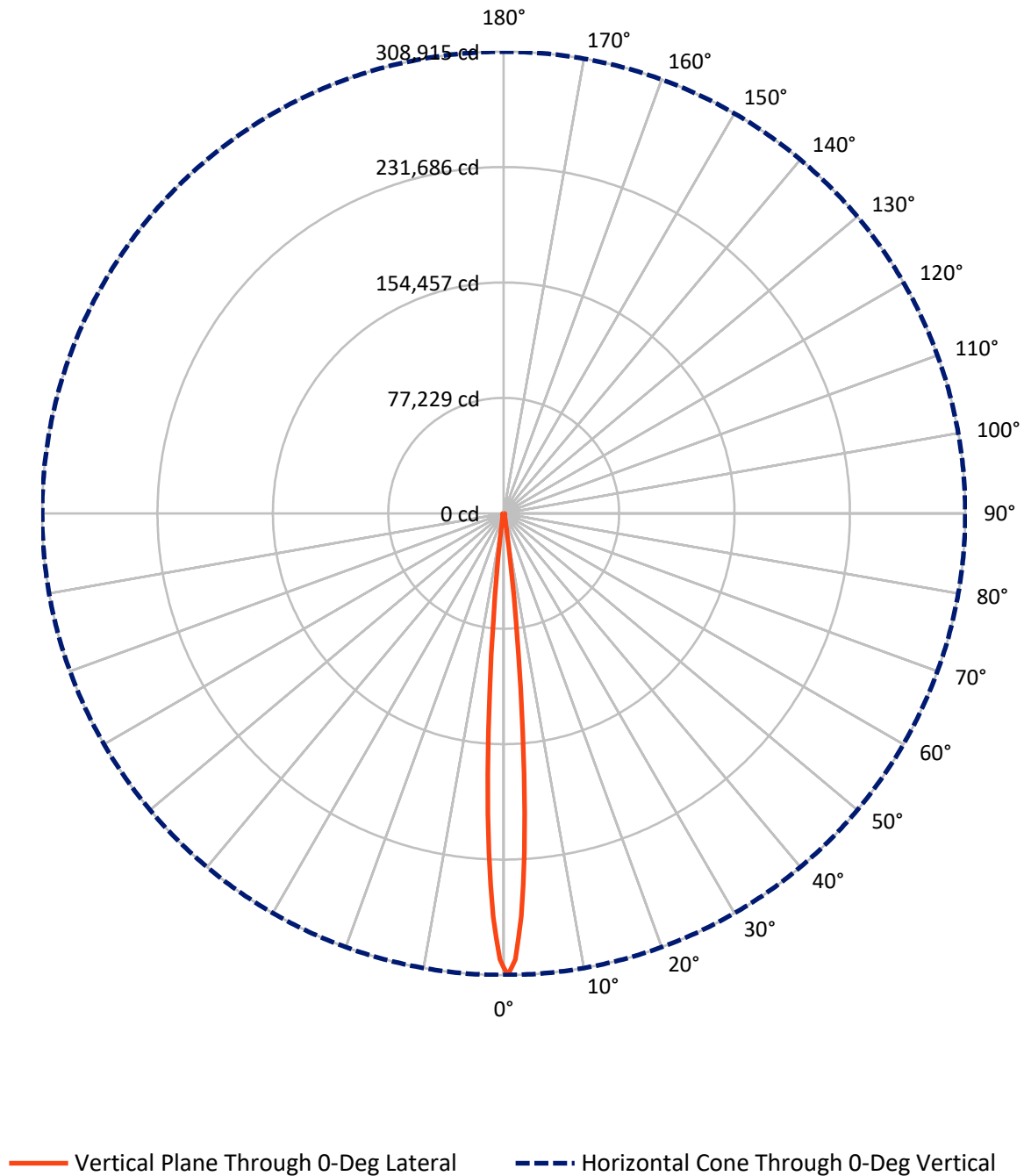
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 772.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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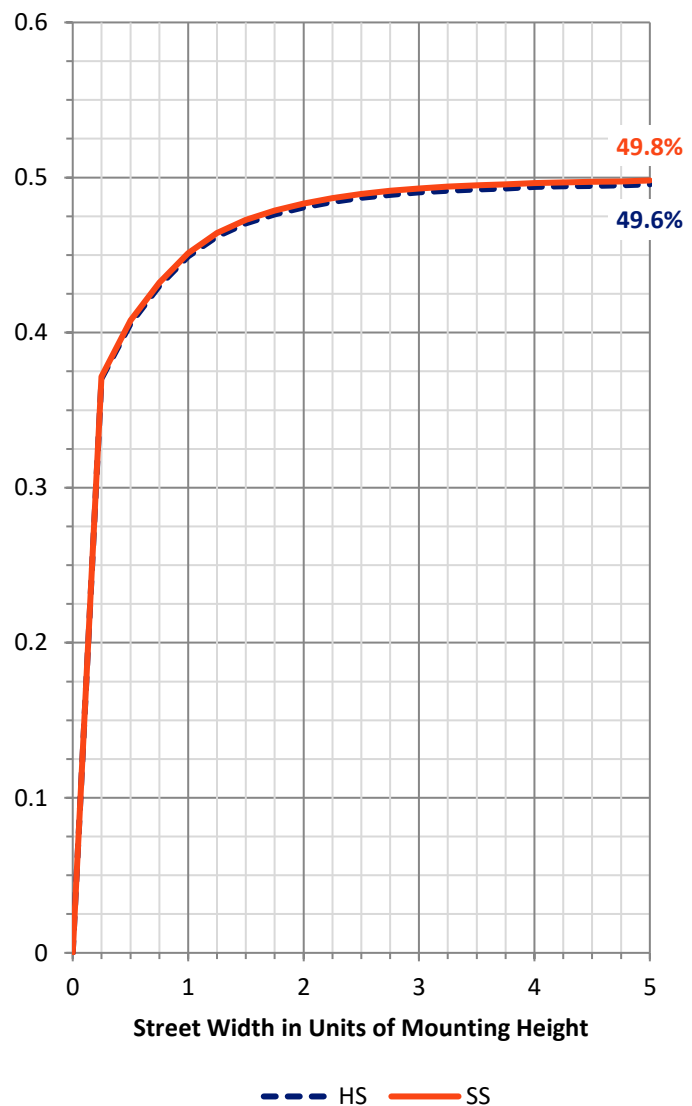
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6575.9	0.0	6575.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6575.9	0.0	6575.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	13151.9	0.0	13151.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8301.2	63.1
10°-20°	1025.9	7.8
20°-30°	614.7	4.7
30°-40°	660.9	5.0
40°-50°	888.7	6.8
50°-60°	792.2	6.0
60°-70°	523.3	4.0
70°-80°	259.4	2.0
80°-90°	85.6	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°	13151.9	100.0
0°-180°	13151.9	100.0

Coefficient of Utilization



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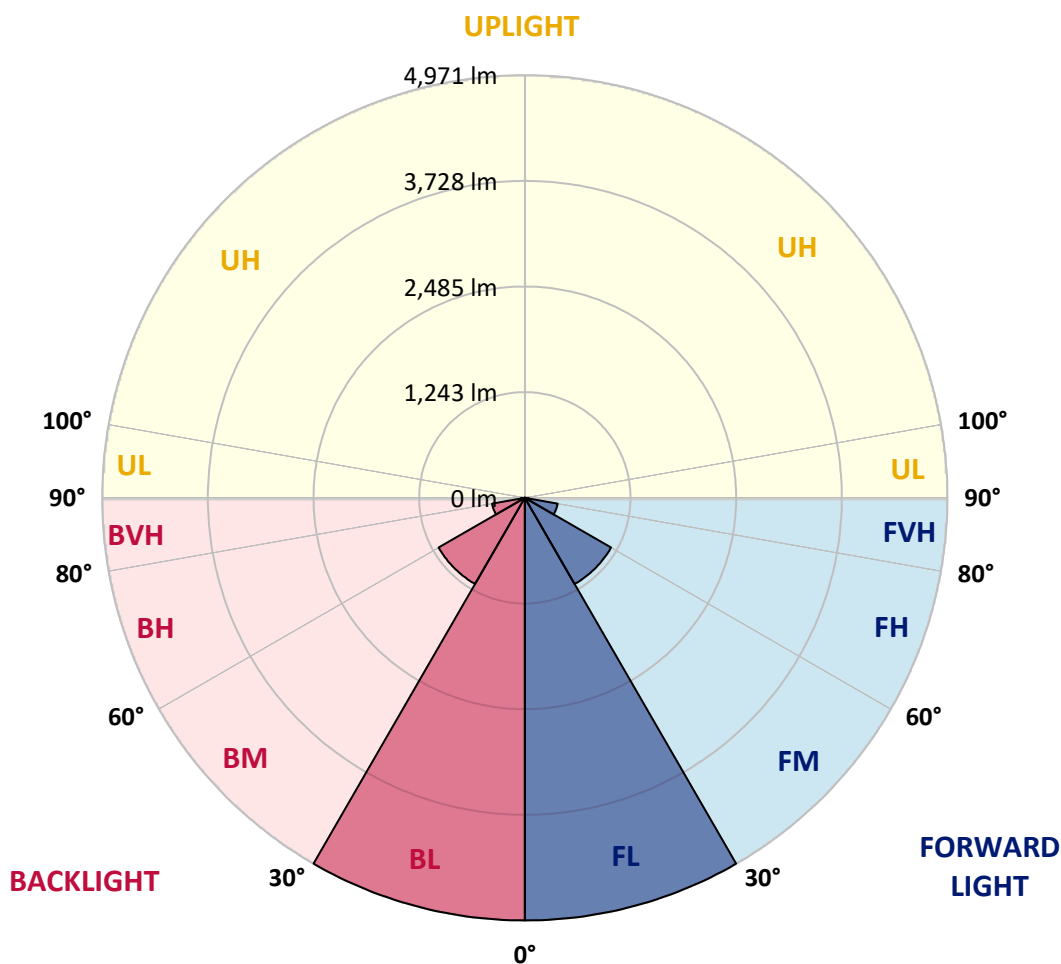
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4970.9	37.8			
FM	(30°-60°)	1170.9	8.9			
FH	(60°-80°)	391.3	3.0			G0/660
FVH	(80°-90°)	42.8	0.3			G1/100
BL	(0°-30°)	4970.9	37.8	B4/5000		
BM	(30°-60°)	1170.9	8.9	B2/2500		
BH	(60°-80°)	391.3	3.0	B1/500		G0/660
BVH	(80°-90°)	42.8	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°	308914.5	308914.5	308914.5	308914.5	308914.5	308914.5	308914.5	308914.5	308914.5	308914.5
1°	298560.2	295495.7	297071.9	298578.4	300691.1	301621.6	302570.4	303279.6	303267.5	304437.5
2°	270046.3	265108.6	267397.1	270204.0	275632.7	277190.7	279794.5	283016.5	283213.6	286129.5
3°	227616.6	220684.4	224055.0	229053.3	238052.8	240380.7	244554.5	247500.8	246185.3	249598.3
4°	174665.8	165620.9	170770.8	178169.8	186929.7	195817.0	195992.8	198105.5	193768.0	193558.8
5°	117841.2	109866.3	116474.2	125728.2	133296.9	139507.7	143333.0	143596.7	138907.6	138480.2
6°	71871.1	66593.9	72344.0	82137.5	92622.2	95204.7	95789.7	94462.1	88312.0	84908.0
7°	39722.9	37570.8	43190.6	49034.6	57209.5	60989.4	58373.5	54129.9	52247.6	48195.0
8°	21906.0	20845.1	22448.5	27498.4	33842.6	36325.1	33800.1	29392.9	26219.3	25097.8
9°	13206.6	12618.6	13273.3	15195.1	17935.2	19656.9	18211.0	16040.7	14701.0	14328.1
10°	8772.1	8541.7	8820.6	9469.2	10454.4	10957.5	10596.8	9736.0	9329.8	9305.6
12.5°	4604.3	4561.8	4631.6	4704.3	4874.1	4901.3	4837.7	4777.1	4683.1	4719.5
15°	2964.4	2925.0	2997.8	3091.8	3134.2	3161.5	3164.5	3131.2	3067.5	3037.2
17.5°	2161.2	2170.3	2176.4	2230.9	2312.8	2376.4	2349.1	2312.8	2240.0	2203.6
20°	1779.3	1782.3	1794.4	1824.7	1852.0	1939.9	1912.6	1858.1	1788.4	1761.1
22.5°	1521.6	1527.7	1533.8	1551.9	1558.0	1582.2	1585.3	1536.8	1497.4	1482.2
25°	1339.8	1339.8	1348.9	1364.0	1370.1	1351.9	1354.9	1333.7	1297.3	1279.1
27.5°	1136.7	1142.7	1151.8	1157.9	1145.8	1124.5	1097.3	1115.5	1097.3	1054.8
30°	1012.4	1018.5	1045.7	1027.6	1000.3	973.0	957.8	982.1	985.1	948.7
32.5°	1003.3	1006.3	1015.4	1006.3	973.0	939.7	918.4	945.7	951.8	936.6
35°	1048.8	1039.7	1051.8	1057.9	1024.5	988.1	960.9	985.1	1003.3	1009.4
37.5°	1270.0	1218.5	1179.1	1167.0	1145.8	1121.5	1085.1	1091.2	1124.5	1154.9
40°	1209.4	1197.3	1182.1	1142.7	1103.3	1133.6	1091.2	1079.1	1154.9	1160.9
42.5°	1200.3	1209.4	1197.3	1148.8	1109.4	1139.7	1130.6	1094.2	1170.0	1160.9
45°	1206.4	1215.5	1242.8	1160.9	1127.6	1142.7	1160.9	1121.5	1197.3	1167.0
47.5°	1157.9	1170.0	1200.3	1154.9	1133.6	1130.6	1157.9	1121.5	1160.9	1157.9
50°	1094.2	1106.4	1115.5	1076.1	1115.5	1094.2	1097.3	1082.1	1082.1	1088.2
52.5°	1012.4	1024.5	1033.6	988.1	1012.4	1021.5	985.1	982.1	954.8	963.9
55°	912.4	930.6	939.7	921.5	909.3	927.5	876.0	869.9	815.4	818.4
57.5°	797.2	815.4	824.5	845.7	836.6	800.2	769.9	745.7	685.0	660.8
60°	821.4	839.6	821.4	760.8	760.8	679.0	651.7	600.2	539.5	509.2
62.5°	794.2	818.4	815.4	751.7	675.9	572.9	524.4	469.8	409.2	369.8
65°	748.7	772.9	760.8	718.4	645.6	491.0	418.3	363.7	288.0	278.9
67.5°	672.9	709.3	685.0	657.8	600.2	445.6	333.4	272.8	209.1	209.1
70°	557.7	585.0	600.2	569.9	536.5	418.3	284.9	209.1	151.6	115.2
72.5°	448.6	472.9	497.1	481.9	451.6	378.9	254.6	166.7	109.1	66.7
75°	248.6	257.6	266.7	303.1	345.5	309.2	233.4	145.5	90.9	51.5
77.5°	191.0	200.1	221.3	203.1	187.9	239.5	254.6	169.7	78.8	36.4
80°	148.5	160.6	227.3	187.9	160.6	181.9	218.2	148.5	51.5	18.2
82.5°	112.2	121.2	160.6	178.8	169.7	136.4	118.2	100.0	45.5	12.1
85°	81.8	94.0	112.2	100.0	97.0	97.0	130.3	87.9	33.3	9.1
87.5°	48.5	48.5	51.5	48.5	45.5	45.5	51.5	42.4	21.2	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

308914.5

302085.4

283553.1

245948.9

192637.4

136749.4

85205.0

46291.4

24079.3

13821.9

9017.6

4583.1

2988.7

2164.2

1730.8

1464.0

1264.0

1057.9

936.6

927.5

1009.4

1182.1

1170.0

1154.9

1157.9

1151.8

1067.0

948.7

797.2

645.6

485.0

363.7

278.9

184.9

103.1

63.7

45.5

18.2

12.1

9.1

6.1

6.1

0.0

OF REPORT)