

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: P635938

Luminaire Tested: **IFLD-S-SA6D-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635938
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24260.9 lumens
Efficiency: N/A
Efficacy: 65.9 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): 368.2
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



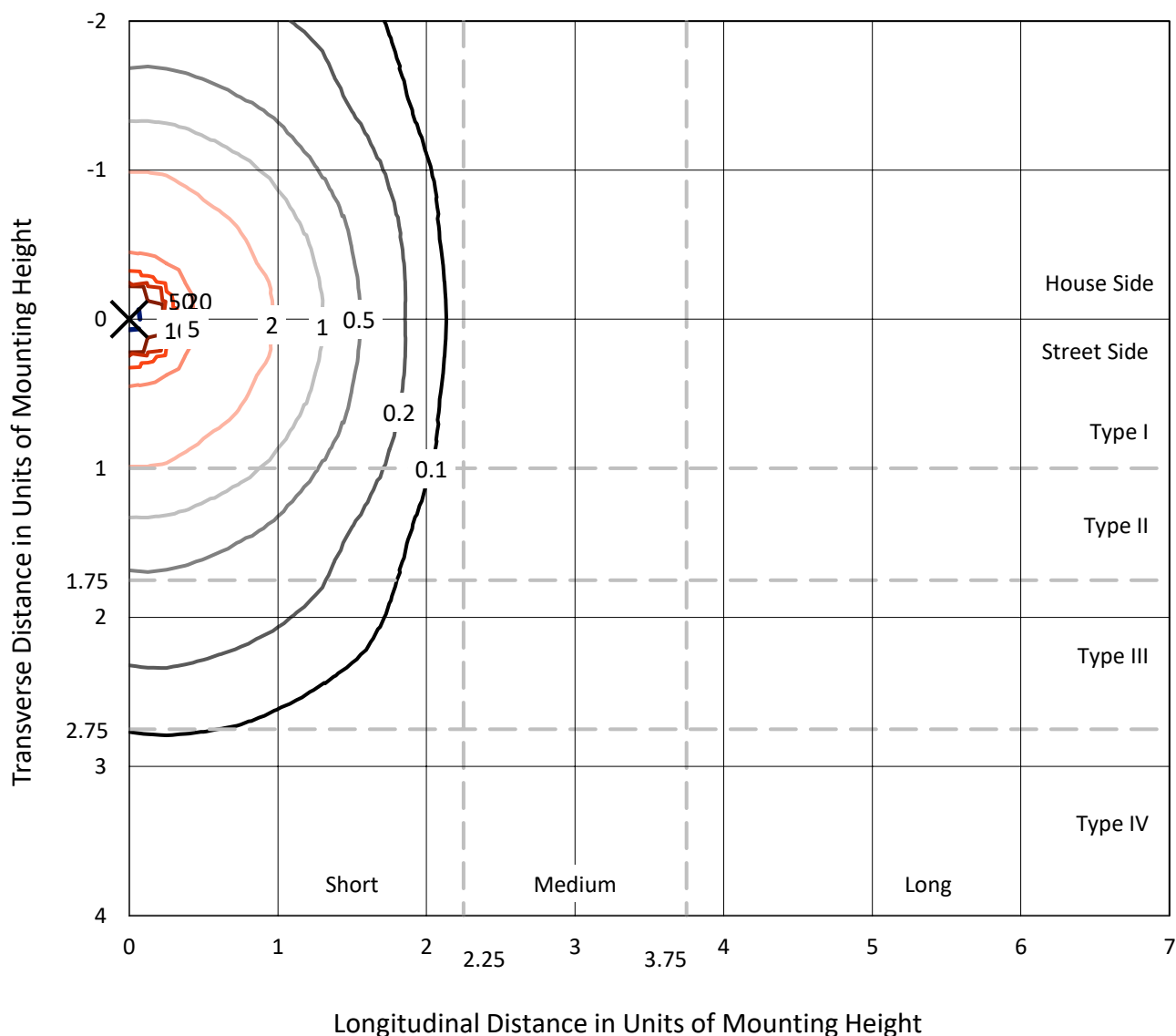
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

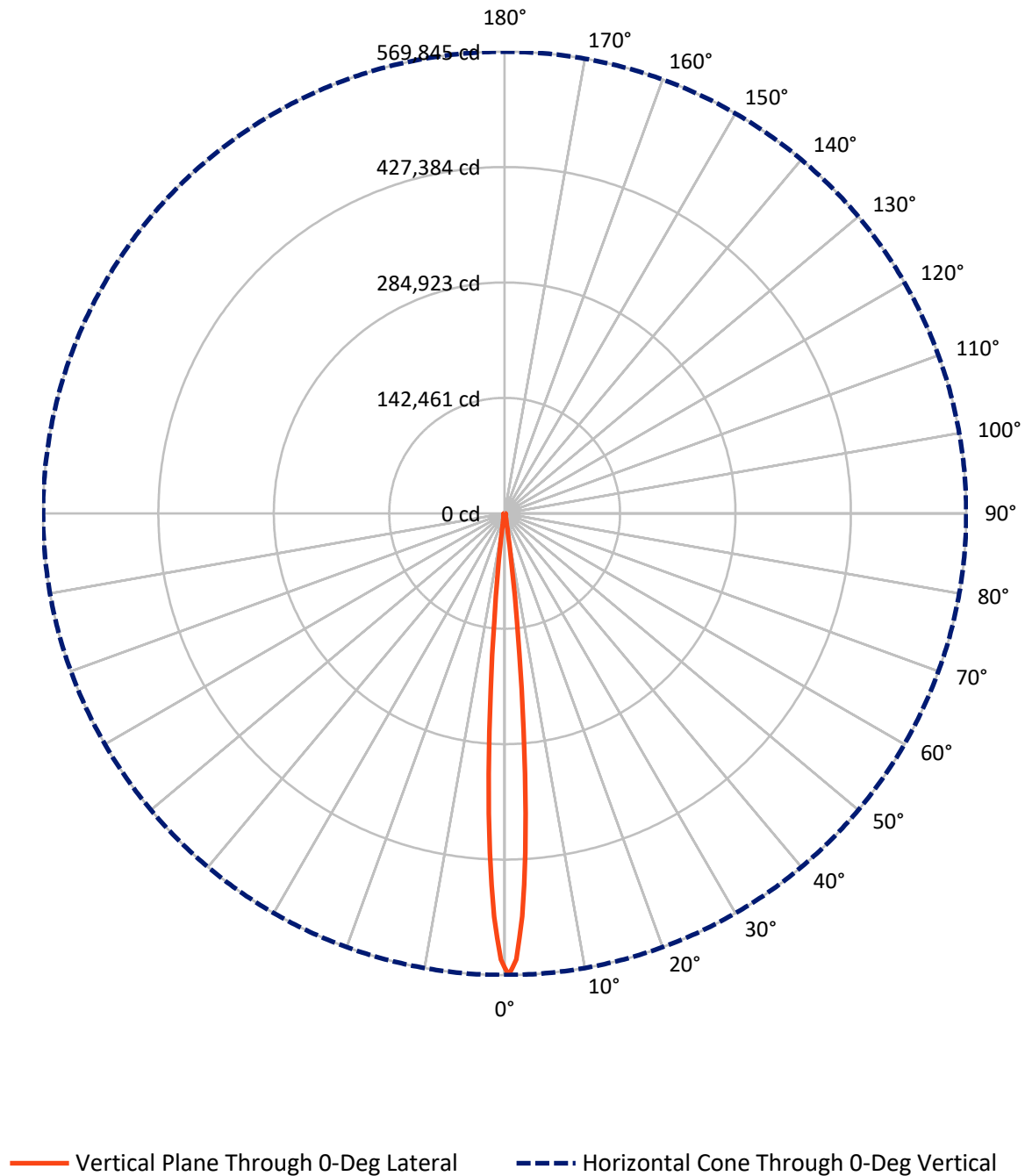


Based on 20 foot mounting height. Maximum calculated value = 1424.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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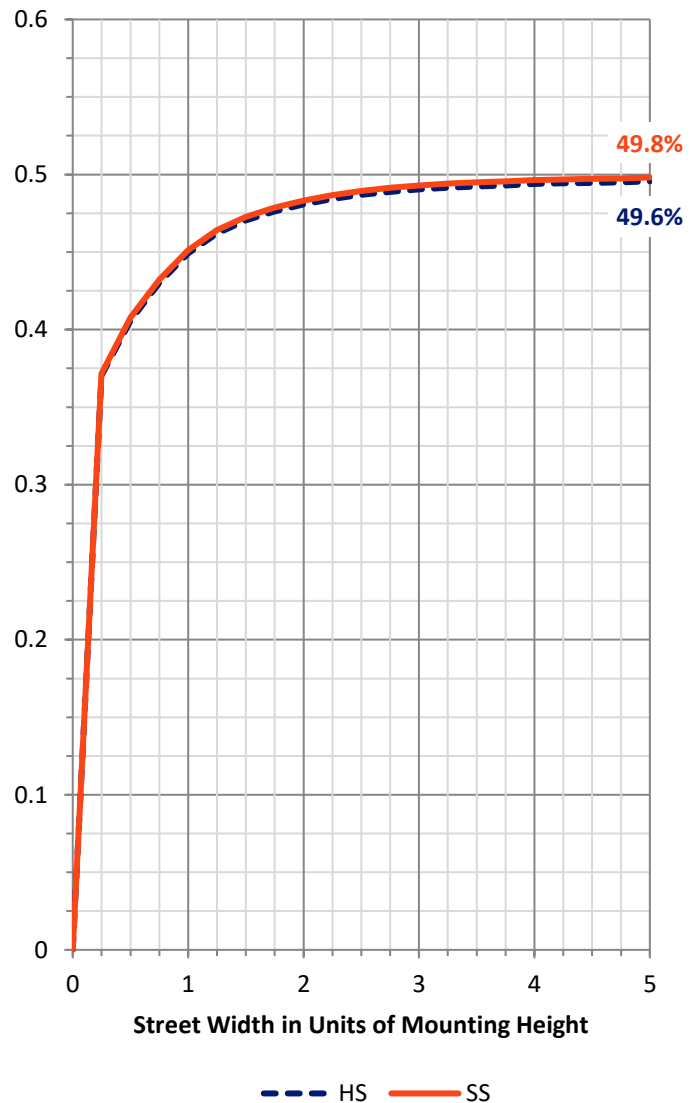
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12130.5	0.0	12130.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12130.5	0.0	12130.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24260.9	0.0	24260.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15312.9	63.1
10°-20°	1892.5	7.8
20°-30°	1133.9	4.7
30°-40°	1219.2	5.0
40°-50°	1639.3	6.8
50°-60°	1461.3	6.0
60°-70°	965.2	4.0
70°-80°	478.6	2.0
80°-90°	158.0	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°	24260.9	100.0
0°-180°	24260.9	100.0



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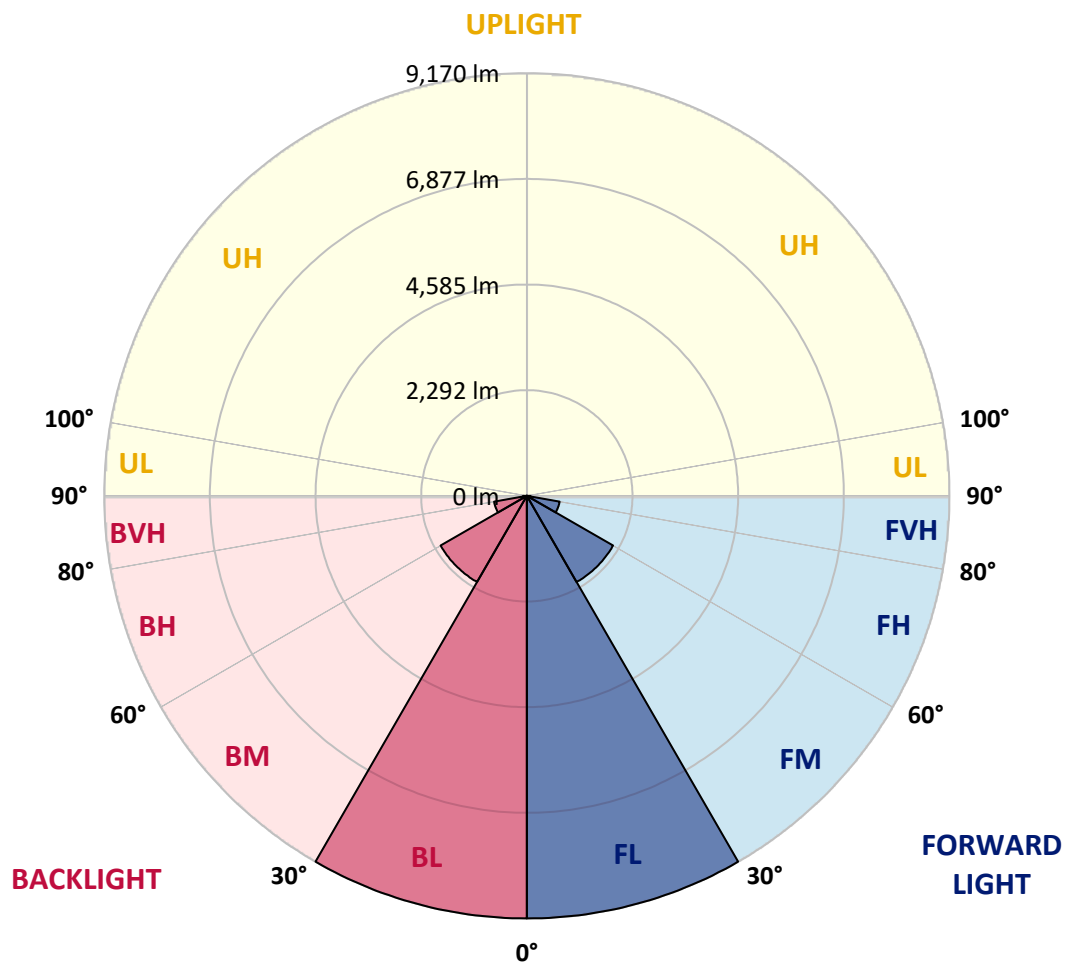
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9169.6	37.8			
FM	(30°-60°)	2159.9	8.9			
FH	(60°-80°)	721.9	3.0			G1/1800
FVH	(80°-90°)	79.0	0.3			G1/100
BL	(0°-30°)	9169.6	37.8	B5		
BM	(30°-60°)	2159.9	8.9	B2/2500		
BH	(60°-80°)	721.9	3.0	B2/1000		G1/1800
BVH	(80°-90°)	79.0	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°	569845.4	569845.4	569845.4	569845.4	569845.4	569845.4	569845.4	569845.4	569845.4	569845.4
1°	550745.0	545092.1	547999.7	550778.6	554675.8	556392.4	558142.5	559450.9	559428.5	561586.8
2°	498146.4	489038.0	493259.5	498437.2	508451.4	511325.4	516128.5	522072.2	522435.6	527814.6
3°	419877.5	407089.9	413307.6	422527.9	439128.8	443423.1	451122.5	456557.3	454130.7	460426.6
4°	322200.8	305515.9	315015.8	328664.5	344823.7	361217.8	361542.1	365439.3	357438.0	357052.2
5°	217378.2	202667.1	214856.4	231927.1	245888.9	257345.7	264402.1	264888.6	256238.6	255450.2
6°	132578.5	122843.8	133450.8	151516.7	170857.4	175621.3	176700.5	174251.4	162906.4	156627.2
7°	73275.7	69305.8	79672.3	90452.6	105532.7	112505.2	107679.8	99851.8	96379.5	88903.8
8°	40409.3	38452.3	41410.2	50725.5	62428.4	67007.7	62350.1	54220.1	48365.9	46297.1
9°	24361.9	23277.1	24484.9	28029.9	33084.5	36260.4	33593.3	29589.9	27118.5	26430.7
10°	16181.6	15756.7	16271.1	17467.6	19284.9	20213.0	19547.7	17959.7	17210.4	17165.7
12.5°	8493.4	8415.1	8543.7	8677.9	8991.0	9041.3	8923.9	8812.1	8638.8	8705.9
15°	5468.4	5395.7	5529.9	5703.3	5781.5	5831.9	5837.5	5776.0	5658.5	5602.6
17.5°	3986.7	4003.5	4014.6	4115.3	4266.3	4383.7	4333.4	4266.3	4132.1	4065.0
20°	3282.2	3287.8	3310.1	3366.0	3416.4	3578.5	3528.2	3427.5	3298.9	3248.6
22.5°	2806.9	2818.1	2829.3	2862.8	2874.0	2918.7	2924.3	2834.9	2762.2	2734.2
25°	2471.4	2471.4	2488.2	2516.1	2527.3	2493.8	2499.4	2460.2	2393.1	2359.6
27.5°	2096.8	2108.0	2124.7	2135.9	2113.6	2074.4	2024.1	2057.6	2024.1	1945.8
30°	1867.5	1878.7	1929.0	1895.5	1845.2	1794.9	1766.9	1811.6	1817.2	1750.1
32.5°	1850.8	1856.4	1873.1	1856.4	1794.9	1733.3	1694.2	1744.5	1755.7	1727.8
35°	1934.6	1917.9	1940.2	1951.4	1889.9	1822.8	1772.5	1817.2	1850.8	1861.9
37.5°	2342.8	2247.8	2175.1	2152.7	2113.6	2068.8	2001.7	2012.9	2074.4	2130.3
40°	2231.0	2208.6	2180.7	2108.0	2035.3	2091.2	2012.9	1990.6	2130.3	2141.5
42.5°	2214.2	2231.0	2208.6	2119.2	2046.5	2102.4	2085.6	2018.5	2158.3	2141.5
45°	2225.4	2242.2	2292.5	2141.5	2080.0	2108.0	2141.5	2068.8	2208.6	2152.7
47.5°	2135.9	2158.3	2214.2	2130.3	2091.2	2085.6	2135.9	2068.8	2141.5	2135.9
50°	2018.5	2040.9	2057.6	1985.0	2057.6	2018.5	2024.1	1996.1	1996.1	2007.3
52.5°	1867.5	1889.9	1906.7	1822.8	1867.5	1884.3	1817.2	1811.6	1761.3	1778.1
55°	1683.0	1716.6	1733.3	1699.8	1677.4	1711.0	1615.9	1604.7	1504.1	1509.7
57.5°	1470.5	1504.1	1520.9	1560.0	1543.2	1476.1	1420.2	1375.5	1263.7	1218.9
60°	1515.3	1548.8	1515.3	1403.4	1403.4	1252.5	1202.2	1107.1	995.3	939.4
62.5°	1465.0	1509.7	1504.1	1386.7	1246.9	1056.8	967.3	866.7	754.8	682.2
65°	1381.1	1425.8	1403.4	1325.2	1191.0	905.8	771.6	671.0	531.2	514.4
67.5°	1241.3	1308.4	1263.7	1213.3	1107.1	821.9	615.1	503.2	385.8	385.8
70°	1028.8	1079.1	1107.1	1051.2	989.7	771.6	525.6	385.8	279.6	212.5
72.5°	827.5	872.3	917.0	889.0	833.1	698.9	469.7	307.5	201.3	123.0
75°	458.5	475.3	492.0	559.1	637.4	570.3	430.5	268.4	167.7	95.1
77.5°	352.3	369.0	408.2	374.6	346.7	441.7	469.7	313.1	145.4	67.1
80°	274.0	296.3	419.4	346.7	296.3	335.5	402.6	274.0	95.1	33.5
82.5°	206.9	223.7	296.3	329.9	313.1	251.6	218.1	184.5	83.9	22.4
85°	151.0	173.3	206.9	184.5	178.9	178.9	240.4	162.2	61.5	16.8
87.5°	89.5	89.5	95.1	89.5	83.9	83.9	95.1	78.3	39.1	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
569845.4
557247.9
523061.9
453694.5
355352.4
252257.5
157175.2
85392.4
44418.4
25496.9
16634.5
8454.2
5513.2
3992.3
3192.7
2700.7
2331.6
1951.4
1727.8
1711.0
1861.9
2180.7
2158.3
2130.3
2135.9
2124.7
1968.2
1750.1
1470.5
1191.0
894.6
671.0
514.4
341.1
190.1
117.4
83.9
33.5
22.4
16.8
11.2
11.2
0.0

OF REPORT)