

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: P635937

Luminaire Tested: **IFLD-S-SA6C-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635937
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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: 22048.2 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

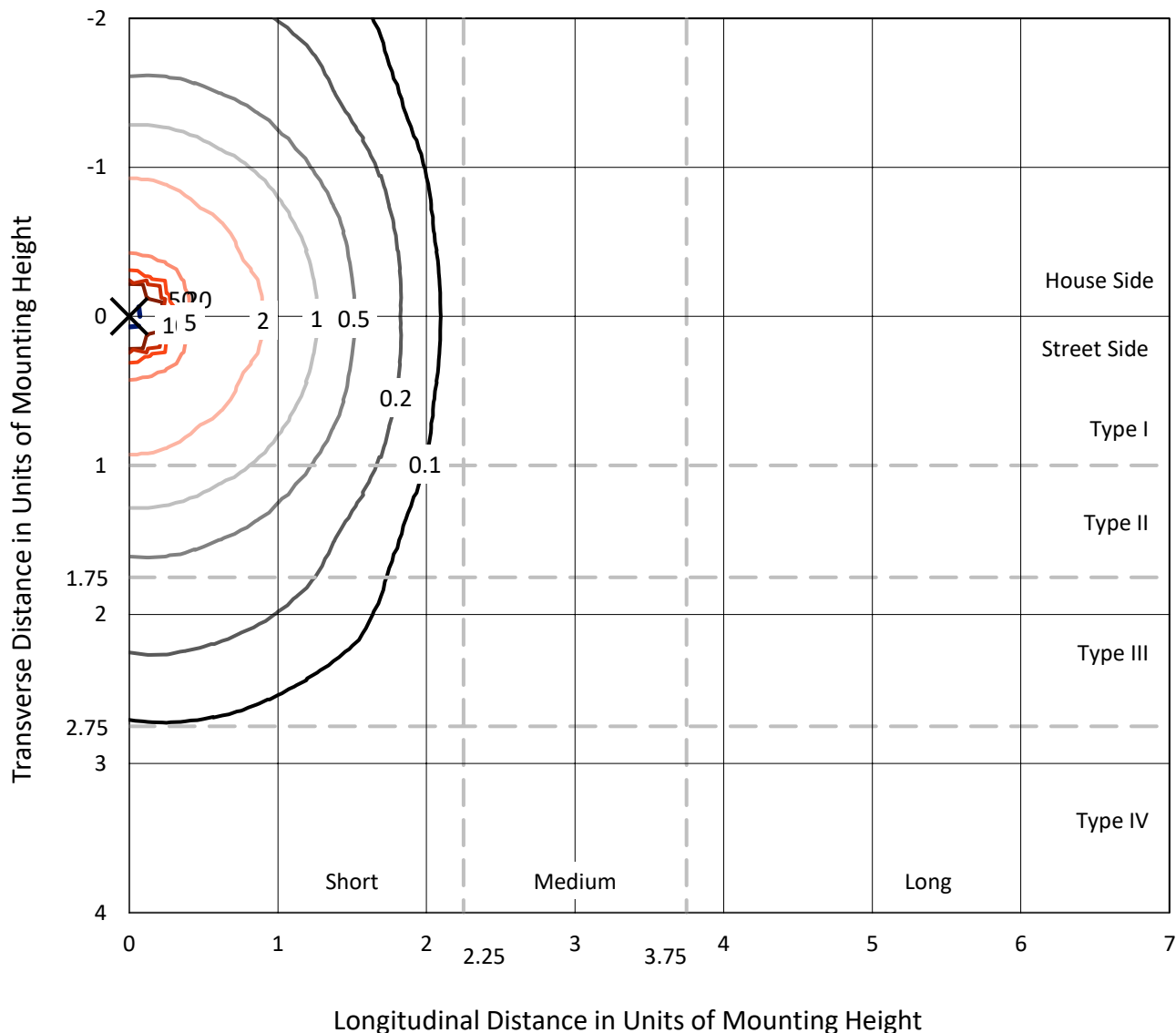
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

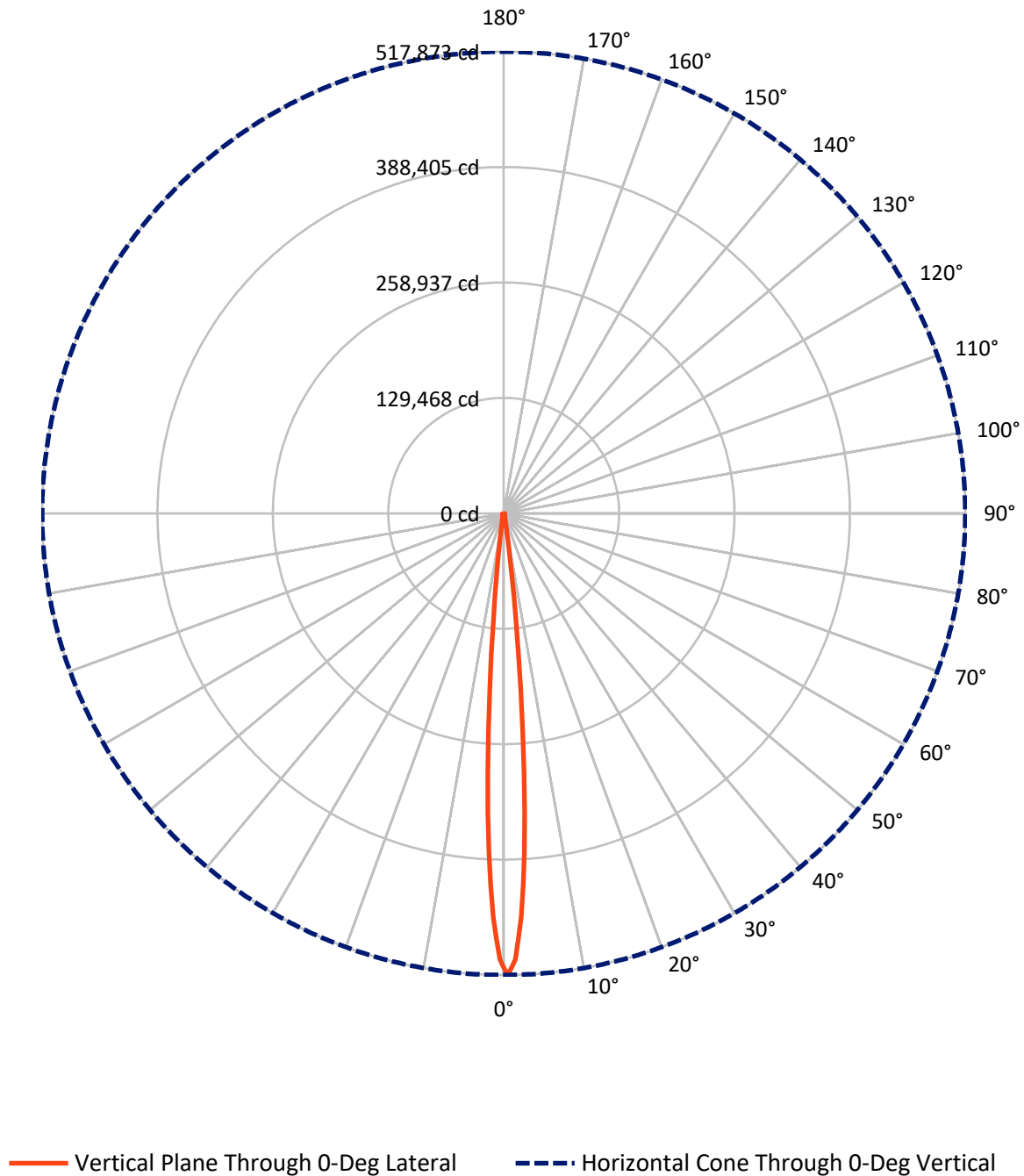
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1294.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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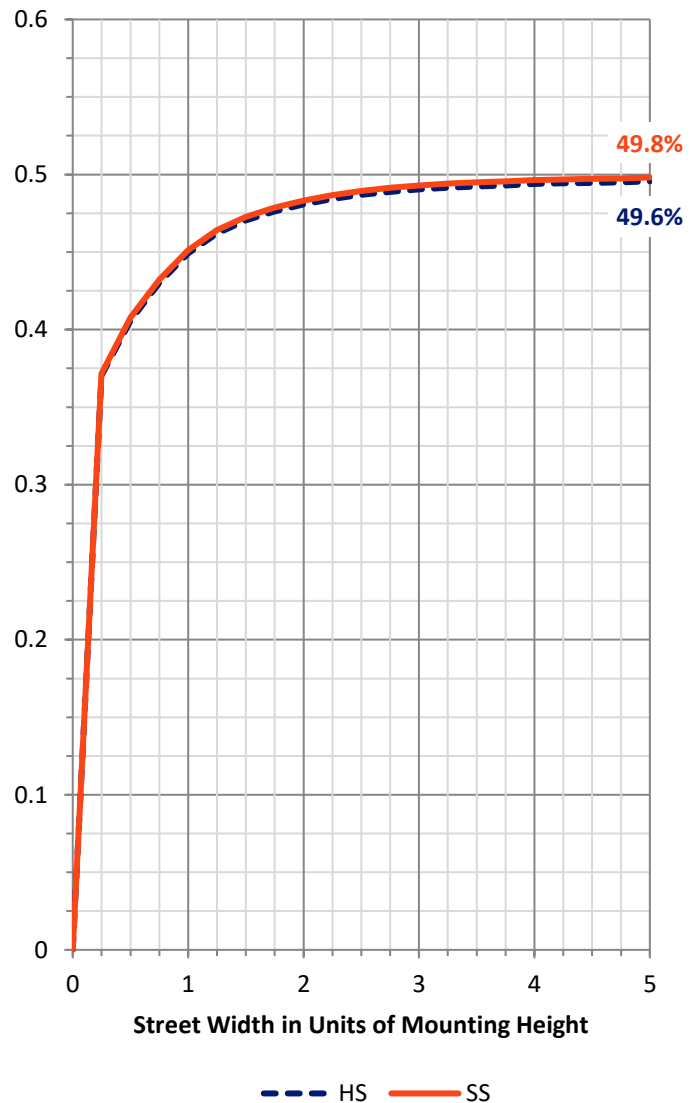
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11024.1	0.0	11024.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11024.1	0.0	11024.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	22048.2	0.0	22048.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13916.3	63.1
10°-20°	1719.9	7.8
20°-30°	1030.5	4.7
30°-40°	1108.0	5.0
40°-50°	1489.8	6.8
50°-60°	1328.1	6.0
60°-70°	877.2	4.0
70°-80°	434.9	2.0
80°-90°	143.6	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°	22048.2	100.0
0°-180°	22048.2	100.0



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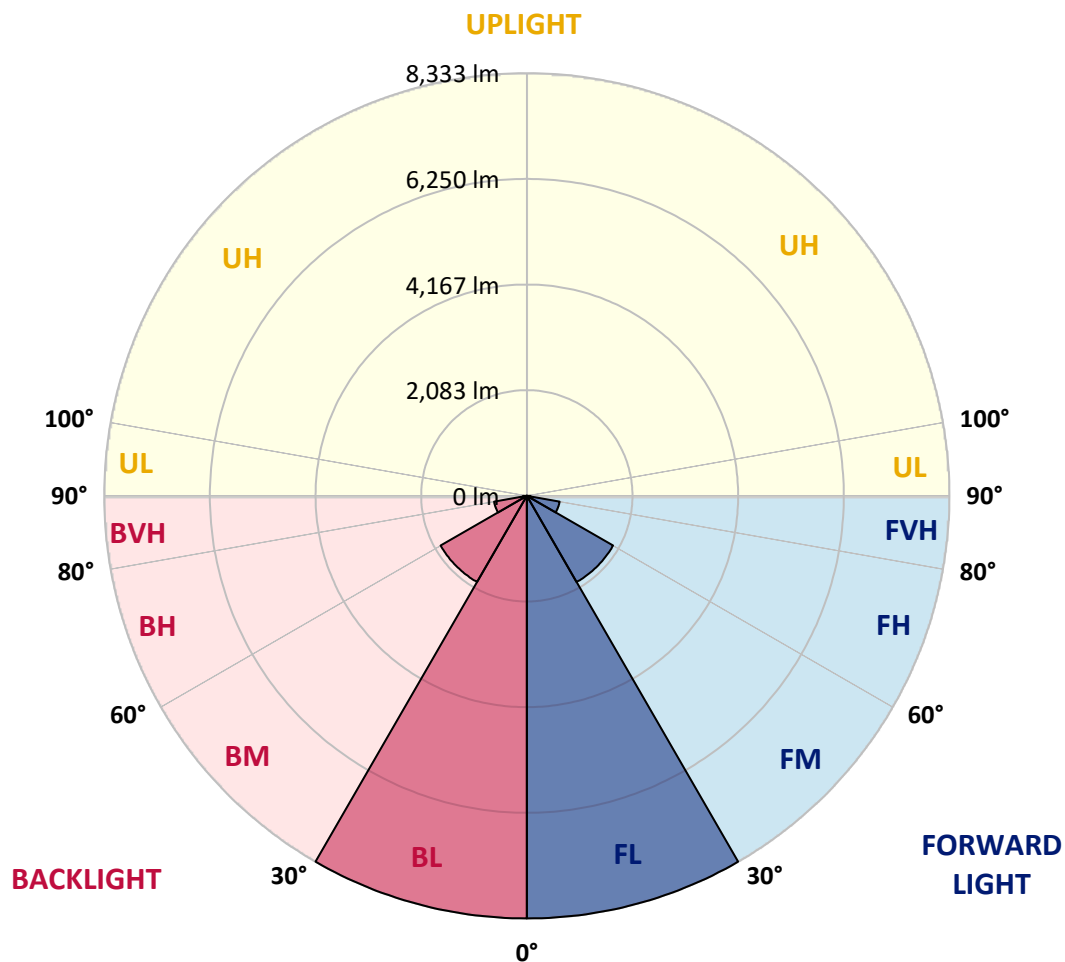
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8333.3	37.8			
FM	(30°-60°)	1962.9	8.9			
FH	(60°-80°)	656.1	3.0			G0/660
FVH	(80°-90°)	71.8	0.3			G1/100
BL	(0°-30°)	8333.3	37.8	B5		
BM	(30°-60°)	1962.9	8.9	B2/2500		
BH	(60°-80°)	656.1	3.0	B2/1000		G0/660
BVH	(80°-90°)	71.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	517873.2	517873.2	517873.2	517873.2	517873.2	517873.2	517873.2	517873.2	517873.2	517873.2
1°	500514.8	495377.5	498019.8	500545.3	504087.1	505647.1	507237.6	508426.7	508406.4	510367.8
2°	452713.4	444435.7	448272.2	452977.7	462078.6	464690.5	469055.4	474457.1	474787.4	479675.7
3°	381583.0	369961.7	375612.3	383991.6	399078.5	402981.1	409978.3	414917.4	412712.1	418433.8
4°	292814.8	277651.6	286285.1	298688.9	313374.4	328273.3	328568.0	332109.8	324838.2	324487.6
5°	197552.4	184183.0	195260.6	210774.4	223462.8	233874.8	240287.6	240729.7	232868.6	232152.1
6°	120486.8	111639.9	121279.5	137697.7	155274.5	159604.0	160584.7	158359.0	148048.7	142342.2
7°	66592.7	62984.8	72405.9	82203.0	95907.7	102244.3	97859.0	90744.9	87589.3	80795.4
8°	36723.8	34945.3	37633.4	46099.1	56734.6	60896.4	56663.5	49275.0	43954.7	42074.6
9°	22140.0	21154.2	22251.8	25473.4	30067.1	32953.3	30529.5	26891.2	24645.1	24020.1
10°	14705.8	14319.6	14787.1	15874.5	17526.0	18369.5	17764.8	16321.7	15640.8	15600.1
12.5°	7718.8	7647.6	7764.5	7886.4	8171.0	8216.7	8110.0	8008.4	7850.9	7911.9
15°	4969.7	4903.6	5025.6	5183.1	5254.2	5300.0	5305.1	5249.2	5142.4	5091.6
17.5°	3623.1	3638.3	3648.5	3740.0	3877.2	3983.9	3938.1	3877.2	3755.2	3694.2
20°	2982.8	2987.9	3008.2	3059.0	3104.8	3252.1	3206.4	3114.9	2998.1	2952.3
22.5°	2550.9	2561.1	2571.2	2601.7	2611.9	2652.5	2657.6	2576.3	2510.2	2484.8
25°	2246.0	2246.0	2261.3	2286.7	2296.8	2266.3	2271.4	2235.8	2174.9	2144.4
27.5°	1905.6	1915.7	1931.0	1941.1	1920.8	1885.2	1839.5	1870.0	1839.5	1768.4
30°	1697.2	1707.4	1753.1	1722.6	1676.9	1631.2	1605.7	1646.4	1651.5	1590.5
32.5°	1682.0	1687.0	1702.3	1687.0	1631.2	1575.3	1539.7	1585.4	1595.6	1570.2
35°	1758.2	1742.9	1763.3	1773.4	1717.5	1656.6	1610.8	1651.5	1682.0	1692.1
37.5°	2129.1	2042.8	1976.7	1956.4	1920.8	1880.1	1819.2	1829.3	1885.2	1936.0
40°	2027.5	2007.2	1981.8	1915.7	1849.7	1900.5	1829.3	1809.0	1936.0	1946.2
42.5°	2012.3	2027.5	2007.2	1925.9	1859.8	1910.6	1895.4	1834.4	1961.4	1946.2
45°	2022.4	2037.7	2083.4	1946.2	1890.3	1915.7	1946.2	1880.1	2007.2	1956.4
47.5°	1941.1	1961.4	2012.3	1936.0	1900.5	1895.4	1941.1	1880.1	1946.2	1941.1
50°	1834.4	1854.7	1870.0	1803.9	1870.0	1834.4	1839.5	1814.1	1814.1	1824.2
52.5°	1697.2	1717.5	1732.8	1656.6	1697.2	1712.5	1651.5	1646.4	1600.7	1615.9
55°	1529.5	1560.0	1575.3	1544.8	1524.4	1554.9	1468.5	1458.4	1366.9	1372.0
57.5°	1336.4	1366.9	1382.2	1417.7	1402.5	1341.5	1290.7	1250.0	1148.4	1107.8
60°	1377.1	1407.6	1377.1	1275.4	1275.4	1138.2	1092.5	1006.1	904.5	853.7
62.5°	1331.3	1372.0	1366.9	1260.2	1133.2	960.4	879.1	787.6	686.0	619.9
65°	1255.1	1295.8	1275.4	1204.3	1082.4	823.2	701.2	609.8	482.7	467.5
67.5°	1128.1	1189.1	1148.4	1102.7	1006.1	747.0	559.0	457.3	350.6	350.6
70°	935.0	980.7	1006.1	955.3	899.4	701.2	477.7	350.6	254.1	193.1
72.5°	752.1	792.7	833.4	808.0	757.1	635.2	426.8	279.5	182.9	111.8
75°	416.7	431.9	447.2	508.1	579.3	518.3	391.3	243.9	152.4	86.4
77.5°	320.1	335.4	370.9	340.5	315.1	401.4	426.8	284.6	132.1	61.0
80°	249.0	269.3	381.1	315.1	269.3	304.9	365.9	249.0	86.4	30.5
82.5°	188.0	203.3	269.3	299.8	284.6	228.7	198.2	167.7	76.2	20.3
85°	137.2	157.5	188.0	167.7	162.6	162.6	218.5	147.4	55.9	15.2
87.5°	81.3	81.3	86.4	81.3	76.2	76.2	86.4	71.1	35.6	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

517873.2

506424.6
475356.5
412315.7
322942.8
229250.6
142840.2
77604.2
40367.2
23171.5
15117.4
7683.2
5010.3
3628.2
2901.5
2454.4
2119.0
1773.4
1570.2
1554.9
1692.1
1981.8
1961.4
1936.0
1941.1
1931.0
1788.7
1590.5
1336.4
1082.4
813.0
609.8
467.5
310.0
172.8
106.7
76.2
30.5
20.3
15.2
10.2
10.2
0.0

OF REPORT)