

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: P636179

Luminaire Tested: **IFLD-L-SA7C-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636179  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27150.9 lumens  
Efficiency: N/A  
Efficacy: 73.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

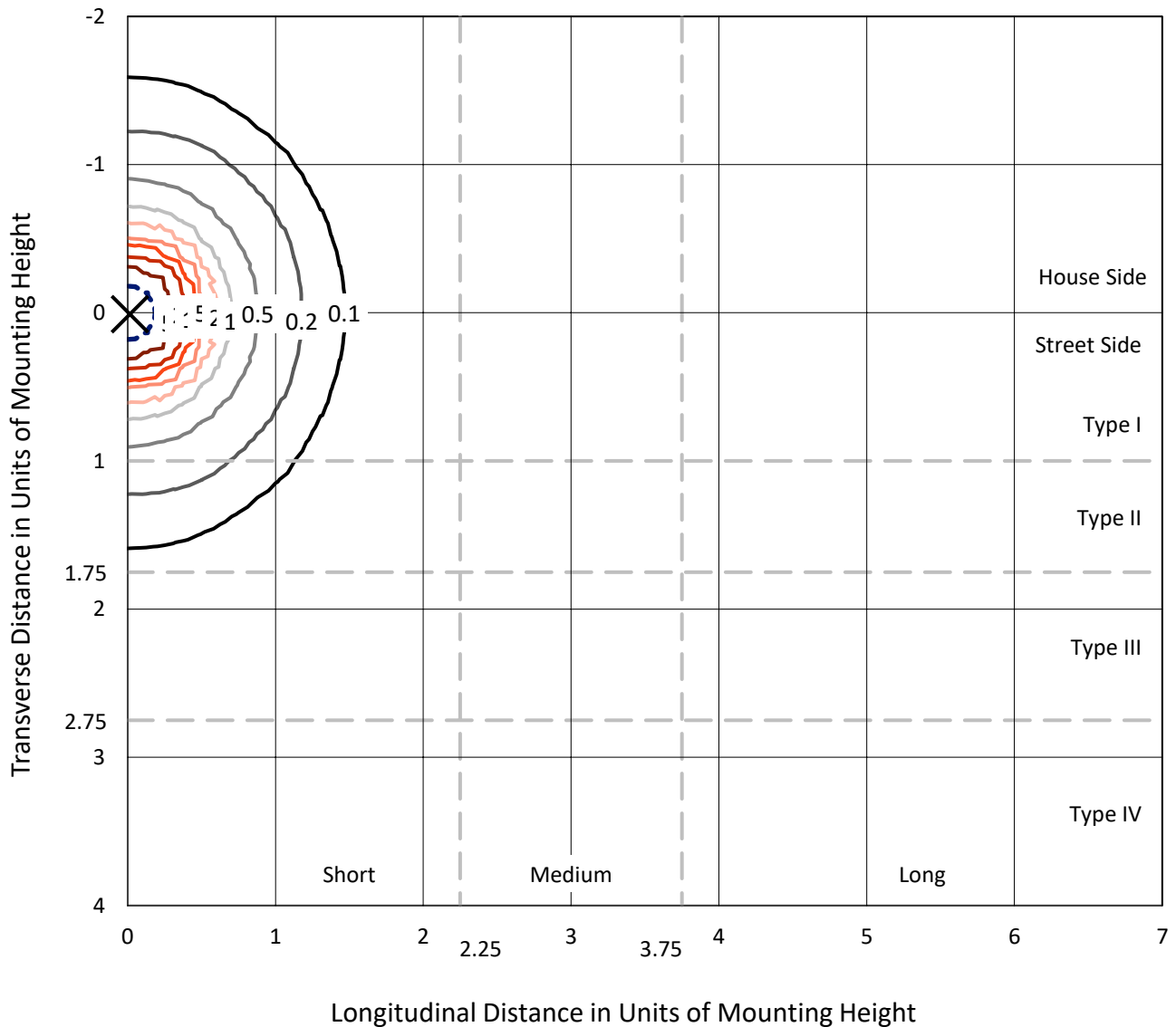
Input Watts (W): 369  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P636179  
 CATALOG NUMBER: IFLD-L-SA7C-930-U-33-VI

### Iso-Footcandle Lines of Horizontal Illumination

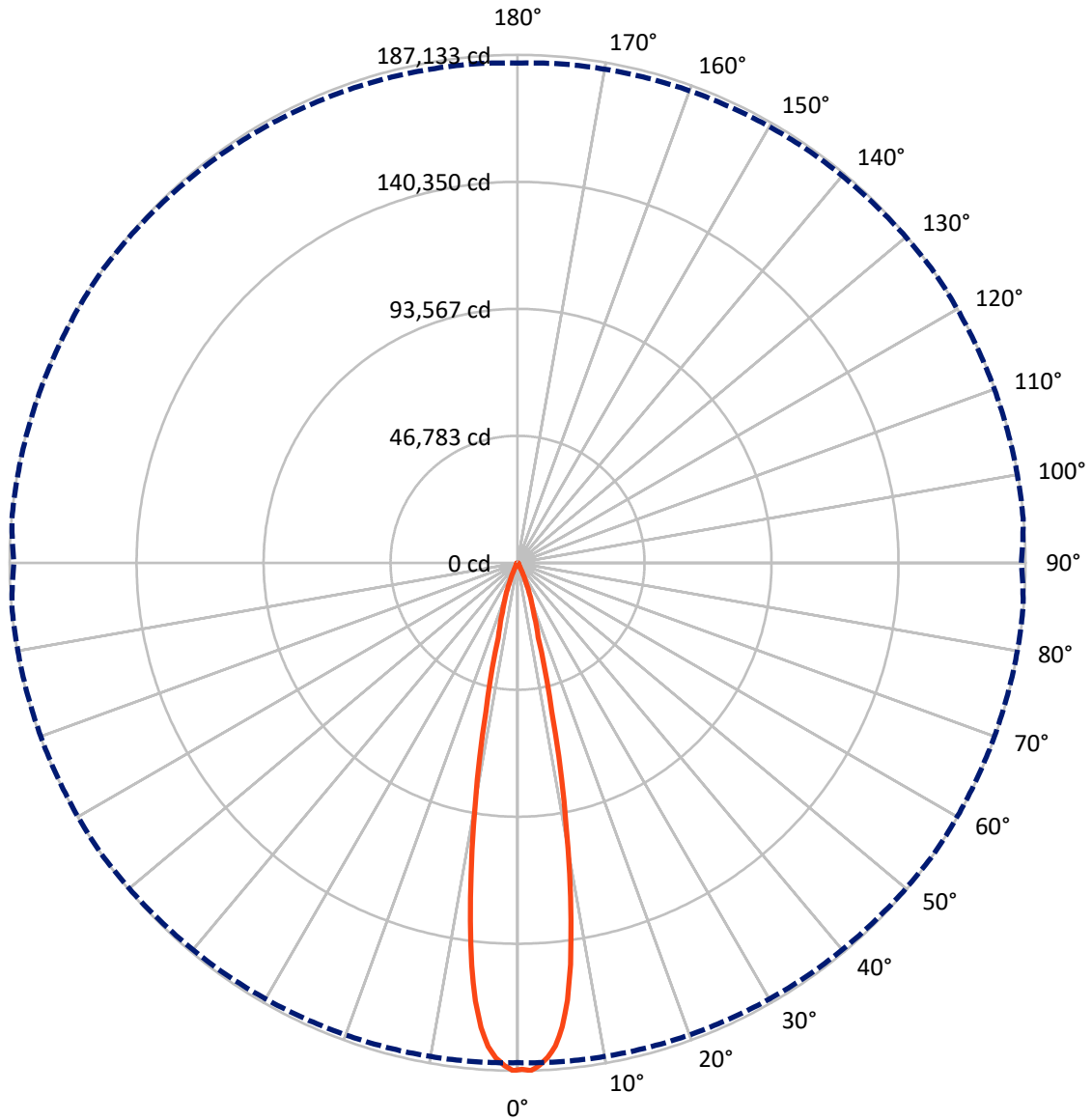
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 466.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P636179  
CATALOG NUMBER: IFLD-L-SA7C-930-U-33-VI

### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 1-Deg Vertical

REPORT NUMBER: P636179  
 CATALOG NUMBER: IFLD-L-SA7C-930-U-33-VI

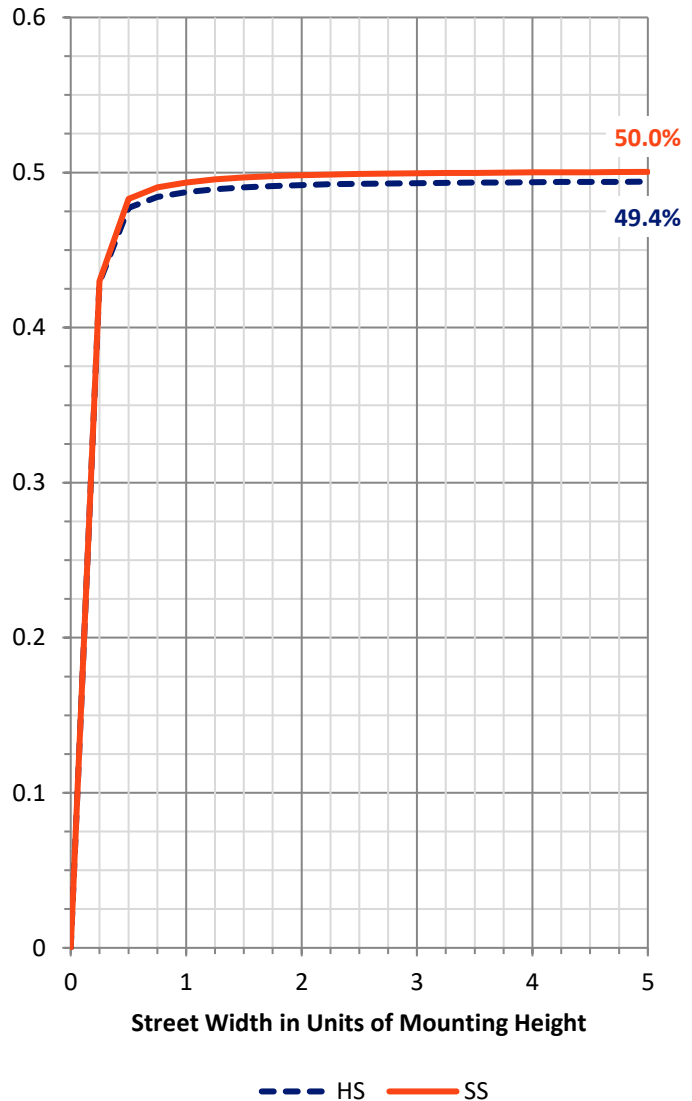
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13575.5	0.0	13575.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13575.5	0.0	13575.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27150.9	0.0	27150.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13794.7	50.8
10°-20°	9776.5	36.0
20°-30°	2290.8	8.4
30°-40°	478.8	1.8
40°-50°	308.9	1.1
50°-60°	228.8	0.8
60°-70°	155.5	0.6
70°-80°	83.0	0.3
80°-90°	34.0	0.1
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°	27150.9	100.0
0°-180°	27150.9	100.0

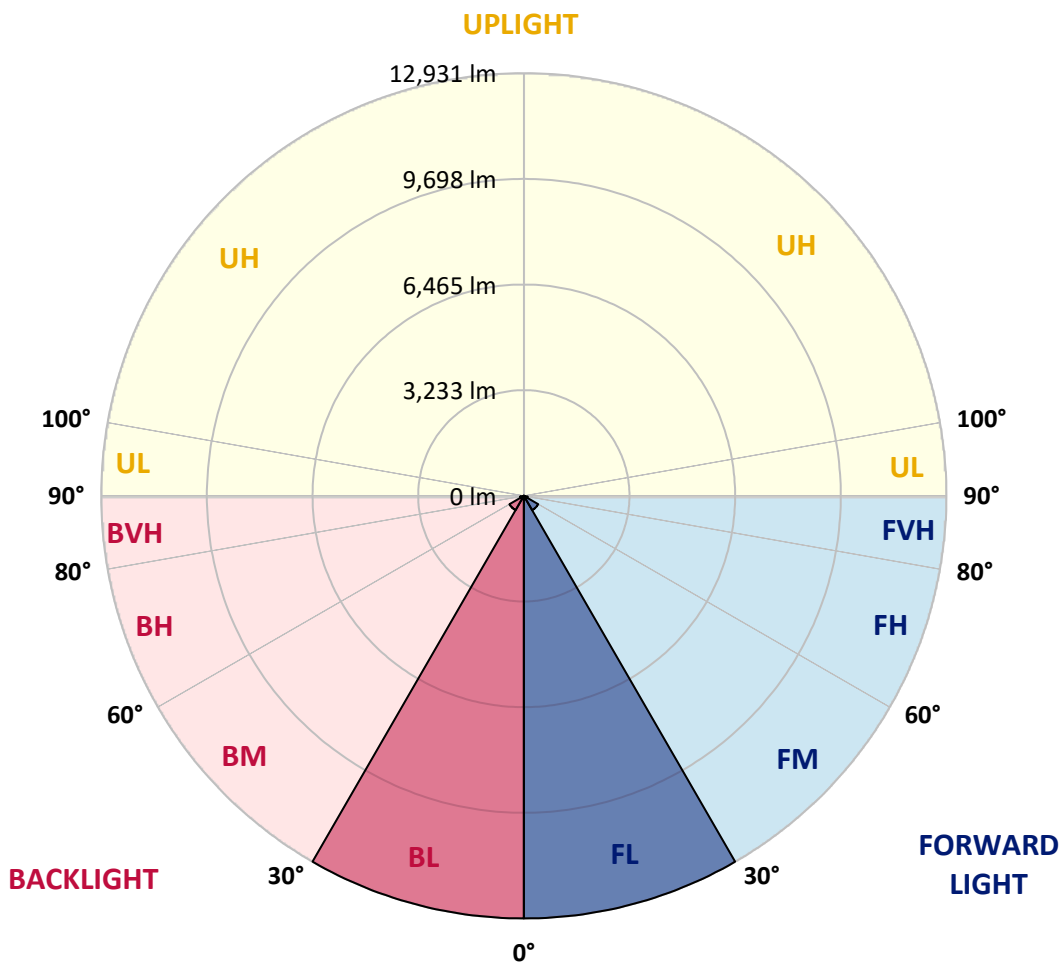


REPORT NUMBER: P636179  
 CATALOG NUMBER: IFLD-L-SA7C-930-U-33-VI

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12931.0	47.6			
FM (30°-60°)	508.2	1.9			
FH (60°-80°)	119.2	0.4			G0/660
FVH (80°-90°)	17.0	0.1			G1/100
BL (0°-30°)	12931.0	47.6	B5		
BM (30°-60°)	508.2	1.9	B1/1000		
BH (60°-80°)	119.2	0.4	B1/500		G0/660
BVH (80°-90°)	17.0	0.1			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





REPORT NUMBER: P636179  
 CATALOG NUMBER: IFLD-L-SA7C-930-U-33-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	186652.8	186652.8	186652.8	186652.8	186652.8	186652.8	186652.8	186652.8	186652.8	186652.8
1°	184141.6	184482.5	184900.3	185279.6	185851.0	186316.7	187133.0	186960.1	186936.1	186969.7
2°	180574.0	181001.4	181644.8	182024.1	183498.2	184103.2	185337.2	185702.1	185409.2	185740.5
3°	175229.8	175580.3	176588.7	177332.9	179244.0	180876.5	182528.3	183075.6	182734.7	182888.4
4°	168867.7	169227.8	170447.4	171964.7	174725.7	176535.9	178514.1	179003.9	177889.9	177966.7
5°	161295.6	161463.6	162956.9	164339.8	167643.3	169837.6	171715.0	171868.7	170850.8	170461.8
6°	152777.5	152475.0	153848.3	154434.1	158539.4	160777.0	162150.2	161972.6	161199.5	160868.2
7°	142655.7	142242.8	143352.0	143035.0	146669.9	147947.1	149267.5	148662.5	148047.9	148811.4
8°	130944.6	130714.1	129998.7	131295.1	132015.4	133158.1	133153.3	132802.8	132783.6	134056.0
9°	113918.1	116045.2	115416.2	116775.1	116592.6	116539.8	116189.3	115963.6	115003.3	116467.8
10°	95220.7	96613.1	97674.3	99700.6	99306.8	99863.8	97914.4	98245.7	97607.1	98817.1
12.5°	49288.5	50853.8	51770.9	53317.0	55016.8	56755.0	56193.2	55612.2	54743.1	55809.1
15°	24262.5	24881.9	25174.8	26744.9	27955.0	28391.9	28459.1	27945.3	27724.5	27955.0
17.5°	14889.8	15105.9	15955.7	17761.1	18807.9	19067.2	18899.1	18337.3	17708.3	17444.2
20°	10779.6	10842.0	11163.7	11514.3	12911.5	13641.4	13372.5	12820.3	12239.3	11965.6
22.5°	7039.2	7101.6	7207.2	7399.3	7773.8	8676.5	8383.6	8009.1	7615.3	7533.7
25°	3985.3	3985.3	4095.8	4292.6	4571.1	4638.4	4696.0	4297.4	4115.0	4033.3
27.5°	2223.1	2237.5	2261.6	2338.4	2477.6	2463.2	2400.8	2295.2	2170.3	2040.7
30°	1229.2	1243.6	1258.0	1277.2	1301.2	1258.0	1219.6	1200.4	1147.6	1133.2
32.5°	921.9	921.9	931.5	926.7	902.7	849.9	825.9	854.7	849.9	825.9
35°	758.7	758.7	768.3	787.5	739.4	701.0	681.8	720.2	720.2	705.8
37.5°	619.4	624.2	629.0	653.0	638.6	595.4	590.6	600.2	605.0	600.2
40°	542.6	537.8	537.8	542.6	533.0	523.4	513.8	509.0	513.8	509.0
42.5°	470.6	465.8	475.4	465.8	446.5	451.4	451.4	436.9	441.7	432.1
45°	412.9	408.1	412.9	403.3	388.9	393.7	393.7	374.5	374.5	369.7
47.5°	364.9	364.9	364.9	369.7	345.7	340.9	345.7	340.9	326.5	321.7
50°	316.9	321.7	326.5	336.1	312.1	302.5	302.5	302.5	292.9	288.1
52.5°	292.9	297.7	297.7	297.7	283.3	273.7	273.7	268.9	264.1	259.3
55°	283.3	283.3	283.3	264.1	259.3	254.5	240.1	235.3	230.5	230.5
57.5°	268.9	268.9	264.1	249.7	235.3	235.3	216.1	211.3	206.5	206.5
60°	240.1	240.1	240.1	235.3	216.1	211.3	192.1	182.5	177.7	177.7
62.5°	220.9	220.9	220.9	201.7	196.9	182.5	168.1	153.7	148.8	139.2
65°	201.7	201.7	201.7	182.5	172.9	158.5	139.2	124.8	115.2	100.8
67.5°	187.3	187.3	182.5	168.1	153.7	134.4	115.2	100.8	81.6	72.0
70°	163.3	163.3	158.5	148.8	134.4	120.0	96.0	76.8	62.4	48.0
72.5°	139.2	139.2	134.4	124.8	115.2	100.8	81.6	67.2	43.2	33.6
75°	115.2	115.2	110.4	100.8	96.0	86.4	72.0	52.8	33.6	14.4
77.5°	96.0	96.0	91.2	86.4	81.6	72.0	62.4	43.2	24.0	9.6
80°	72.0	76.8	76.8	76.8	67.2	62.4	57.6	43.2	19.2	4.8
82.5°	52.8	57.6	57.6	57.6	52.8	48.0	52.8	38.4	19.2	4.8
85°	38.4	38.4	43.2	43.2	43.2	43.2	57.6	43.2	14.4	4.8
87.5°	19.2	19.2	19.2	19.2	19.2	24.0	28.8	24.0	9.6	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
186652.8  
*185630.1*  
184482.5  
181736.0  
176824.0  
169650.4  
160124.0  
148576.1  
130526.9  
113735.6  
95715.2  
52923.3  
26879.4  
17074.5  
11754.3  
7365.7  
3966.1  
2045.5  
1133.2  
811.5  
701.0  
600.2  
513.8  
436.9  
369.7  
321.7  
283.3  
254.5  
225.7  
206.5  
172.9  
129.6  
100.8  
67.2  
48.0  
28.8  
14.4  
4.8  
4.8  
4.8  
4.8  
0.0  
0.0

OF REPORT)