

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: P525380

Luminaire Tested: **IFLD-L-SA7C-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525380
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

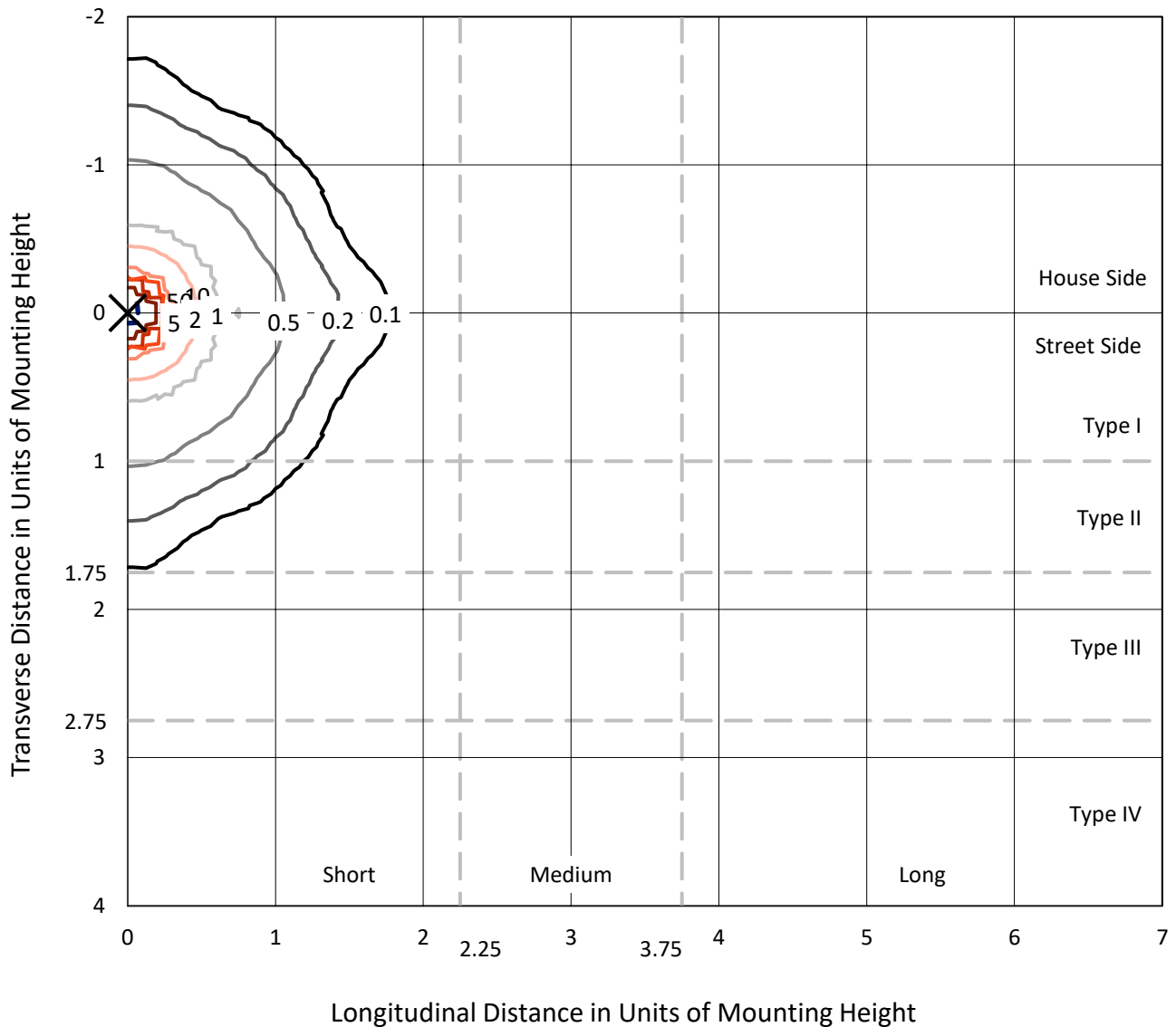
Lumens per Lamp: N/A
Luminaire Lumens: 18485.5 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

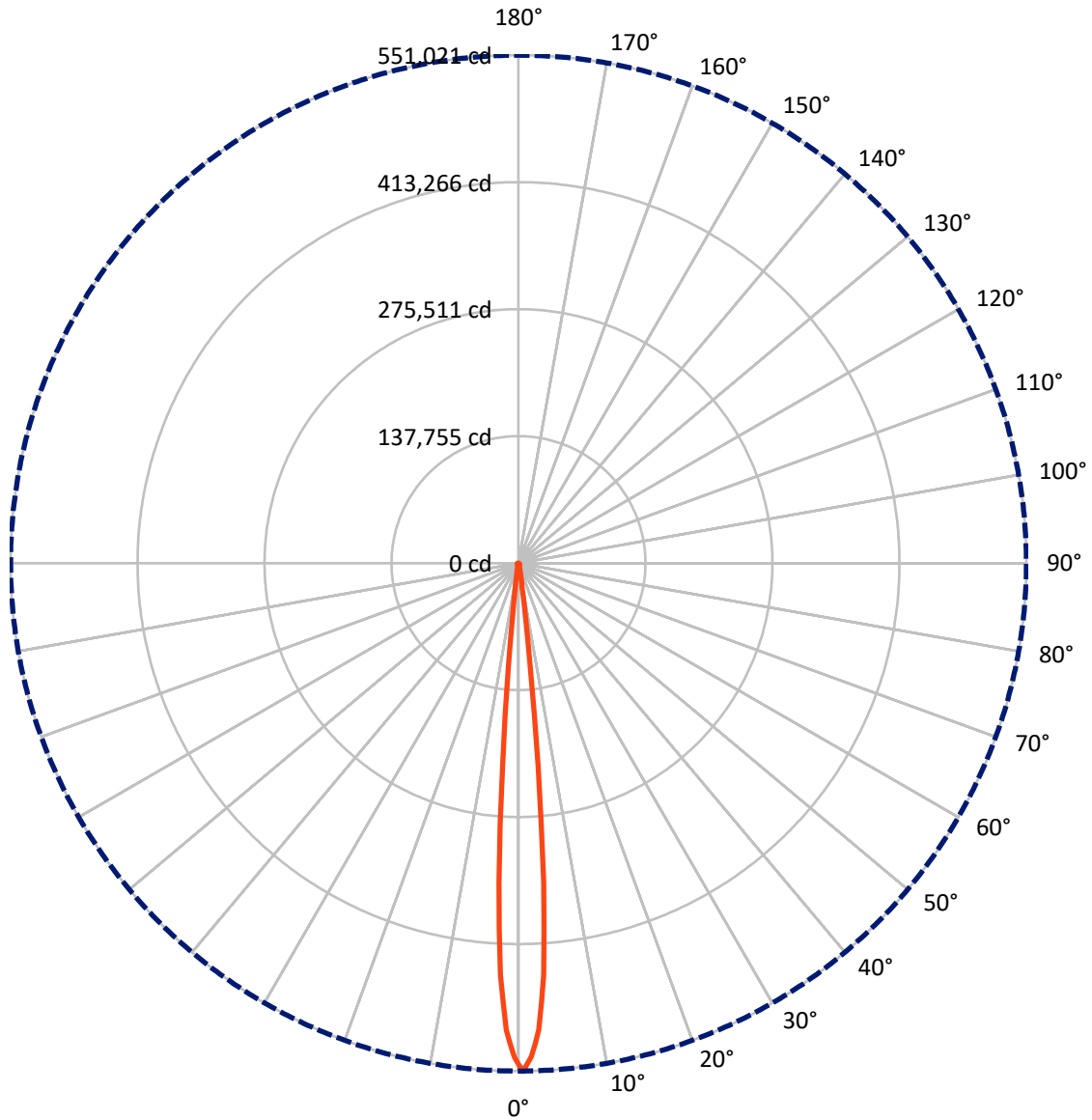
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 881.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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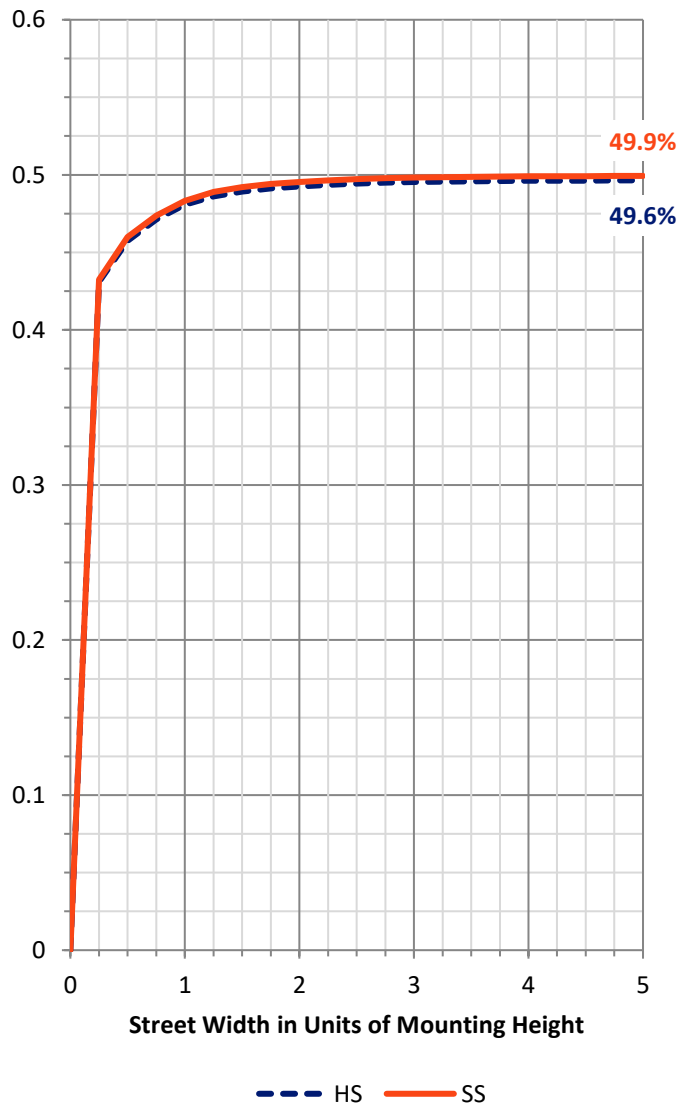
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9242.7	0.0	9242.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9242.7	0.0	9242.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18485.5	0.0	18485.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14196.8	76.8
10°-20°	1384.7	7.5
20°-30°	739.8	4.0
30°-40°	610.1	3.3
40°-50°	679.4	3.7
50°-60°	456.9	2.5
60°-70°	291.5	1.6
70°-80°	115.1	0.6
80°-90°	11.3	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°	18485.5	100.0
0°-180°	18485.5	100.0

Coefficient of Utilization



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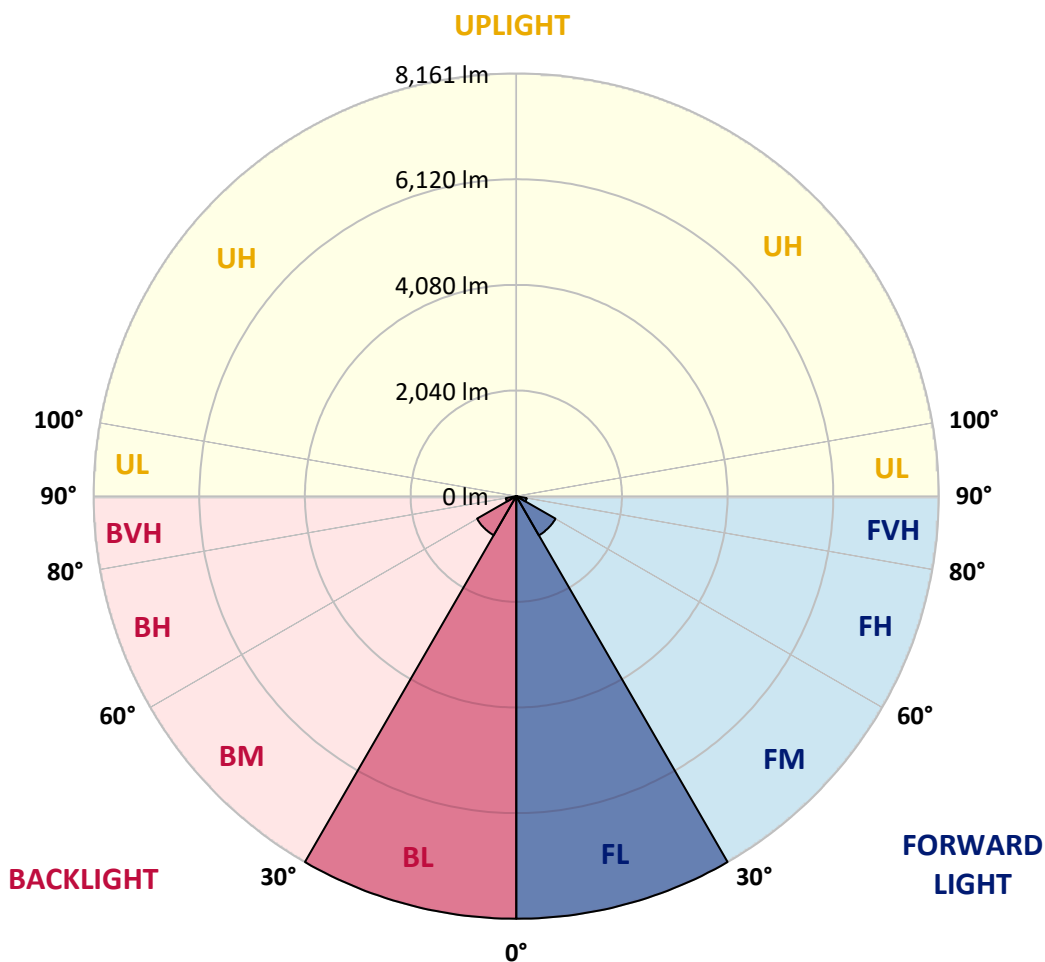
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8160.6	44.1			
FM (30°-60°)	873.2	4.7			
FH (60°-80°)	203.3	1.1			G0/660
FVH (80°-90°)	5.6	0.0			G0/10
BL (0°-30°)	8160.6	44.1	B5		
BM (30°-60°)	873.2	4.7	B1/1000		
BH (60°-80°)	203.3	1.1	B1/500		G0/660
BVH (80°-90°)	5.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	551021.1	551021.1	551021.1	551021.1	551021.1	551021.1	551021.1	551021.1	551021.1	551021.1
1°	535706.7	536638.3	536806.4	535697.1	532868.6	533536.1	533449.6	533598.5	533320.0	531552.7
2°	506701.0	508079.3	506629.0	503517.1	497072.5	495535.8	490402.2	484673.1	478574.2	472460.9
3°	447493.9	450394.5	448324.7	451647.9	438576.1	437255.5	426460.0	412226.1	397800.1	386111.4
4°	346958.6	352317.9	353028.7	363997.0	353259.2	356615.9	344283.7	324508.0	302926.7	286416.5
5°	221158.6	228630.9	232847.3	243133.7	248080.0	260959.7	254952.1	235104.3	210166.2	191173.2
6°	111743.8	115811.3	127139.9	138449.2	151079.2	168170.4	170485.1	153062.5	133214.7	114985.4
7°	52090.1	53770.9	61761.9	64172.6	78613.0	97154.6	99747.8	90196.1	79727.1	65598.9
8°	26916.7	27569.8	30489.6	32280.8	40704.0	51369.8	53189.8	47177.4	42893.8	35786.5
9°	16577.4	16865.5	17960.5	18363.8	21514.1	26258.8	26902.3	24385.9	23223.7	20769.8
10°	11496.6	11650.3	12164.1	12269.8	13321.5	14882.2	14939.8	14113.8	14133.1	13518.4
12.5°	6127.7	6175.7	6319.8	6334.2	6535.9	6699.2	6660.7	6665.5	6747.2	6665.5
15°	3918.6	3942.7	4029.1	4048.3	4154.0	4211.6	4182.8	4178.0	4206.8	4154.0
17.5°	2794.9	2809.3	2871.8	2924.6	2991.8	3011.0	3001.4	2991.8	2991.8	2943.8
20°	2180.2	2199.4	2242.7	2295.5	2329.1	2362.7	2367.5	2362.7	2348.3	2324.3
22.5°	1853.7	1863.3	1877.7	1901.7	1925.7	1940.1	1949.7	1954.5	1949.7	1940.1
25°	1613.6	1623.2	1652.0	1666.4	1666.4	1671.2	1690.4	1700.0	1704.8	1685.6
27.5°	1191.0	1215.0	1258.2	1282.2	1282.2	1291.8	1306.2	1325.4	1344.6	1311.0
30°	922.0	941.2	989.3	989.3	984.5	994.1	1008.5	1037.3	1066.1	1027.7
32.5°	830.8	830.8	840.4	845.2	845.2	859.6	869.2	893.2	917.2	907.6
35°	869.2	845.2	816.4	816.4	826.0	854.8	859.6	883.6	907.6	941.2
37.5°	1263.0	1191.0	1085.3	1066.1	1066.1	1099.7	1085.3	1099.7	1142.9	1267.8
40°	1147.7	1090.1	1027.7	941.2	941.2	989.3	955.7	974.9	1075.7	1152.5
42.5°	1022.9	1022.9	955.7	874.0	874.0	898.0	888.4	898.0	1013.3	1075.7
45°	946.0	946.0	926.8	797.2	816.4	830.8	830.8	830.8	984.5	1003.7
47.5°	902.8	902.8	854.8	734.7	758.8	763.6	773.2	763.6	883.6	950.8
50°	806.8	816.4	734.7	648.3	677.1	677.1	691.5	672.3	763.6	874.0
52.5°	696.3	705.9	581.1	513.8	547.5	542.7	561.9	533.1	605.1	758.8
55°	619.5	614.7	480.2	417.8	456.2	451.4	461.0	427.4	489.8	653.1
57.5°	537.9	547.5	393.8	341.0	384.2	374.6	389.0	350.6	403.4	581.1
60°	475.4	489.8	336.2	288.1	331.4	321.8	336.2	292.9	345.8	523.4
62.5°	456.2	456.2	297.7	244.9	288.1	278.5	288.1	244.9	307.3	480.2
65°	542.7	513.8	268.9	201.7	244.9	235.3	244.9	201.7	268.9	461.0
67.5°	720.3	686.7	254.5	158.5	196.9	182.5	196.9	163.3	235.3	432.2
70°	374.6	398.6	254.5	124.9	148.9	148.9	144.1	124.9	196.9	316.9
72.5°	216.1	220.9	196.9	96.0	115.3	124.9	110.5	96.0	144.1	235.3
75°	120.1	134.5	124.9	72.0	86.4	96.0	81.6	72.0	100.8	168.1
77.5°	72.0	81.6	72.0	48.0	57.6	52.8	57.6	48.0	67.2	110.5
80°	38.4	38.4	38.4	28.8	28.8	33.6	33.6	28.8	38.4	57.6
82.5°	14.4	14.4	14.4	9.6	14.4	14.4	14.4	19.2	19.2	24.0
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

- 551021.1
- 533296.0
- 475981.0
- 390543.9
- 290243.9
- 193608.0
- 116349.2
- 67308.5
- 36751.7
- 21302.8
- 13801.7
- 6756.8
- 4192.4
- 2958.2
- 2329.1
- 1944.9
- 1685.6
- 1306.2
- 1018.1
- 907.6
- 960.5
- 1330.2
- 1224.6
- 1080.5
- 998.9
- 936.4
- 864.4
- 739.5
- 643.5
- 566.7
- 509.0
- 475.4
- 461.0
- 427.4
- 312.1
- 230.5
- 148.9
- 81.6
- 48.0
- 24.0
- 4.8
- 4.8
- 0.0

OF REPORT)