

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: P525307

Luminaire Tested: **IFLD-L-SA8C-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525307  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-930-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (128) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

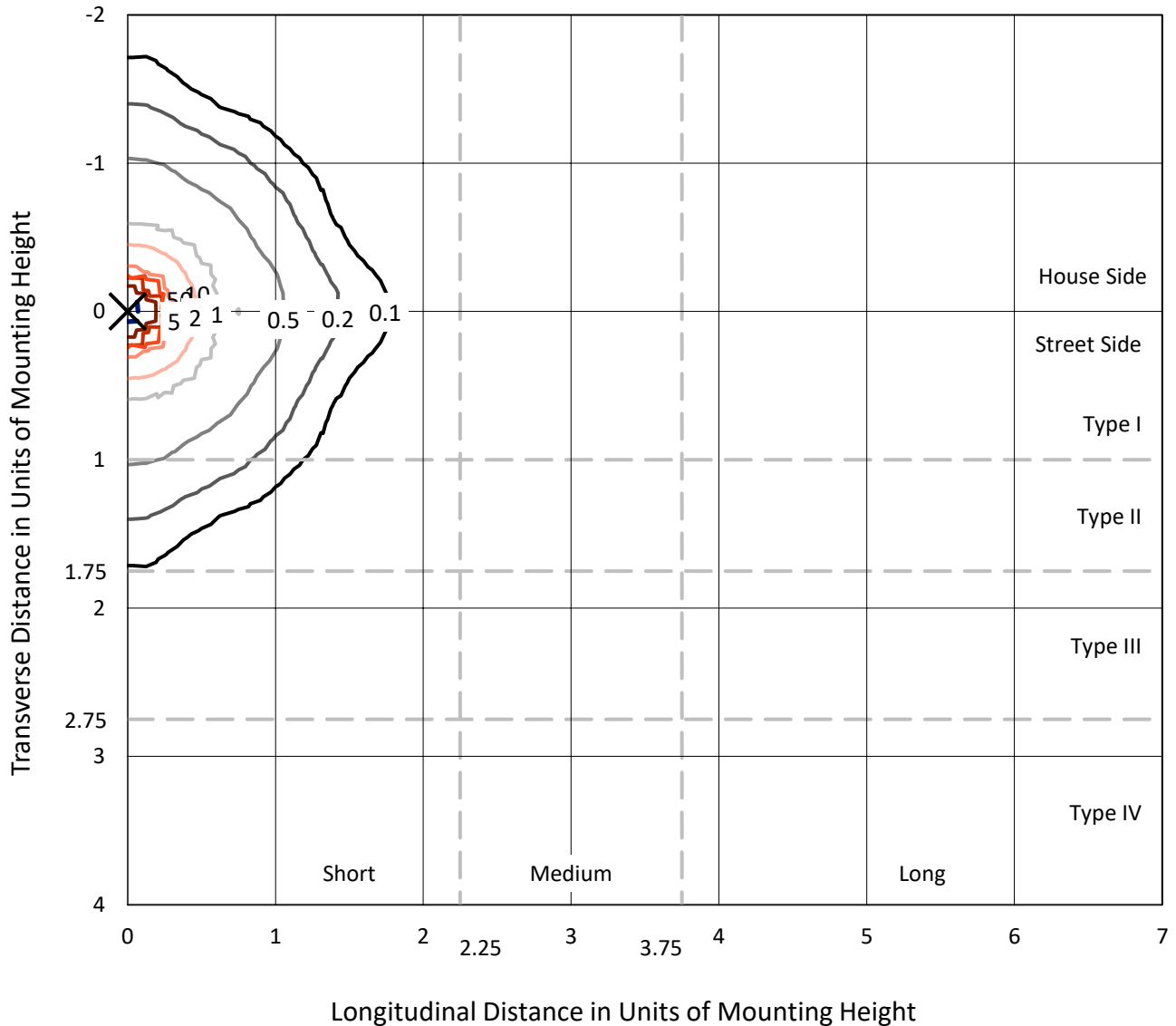
Lumens per Lamp: N/A  
Luminaire Lumens: 18406.2 lumens  
Efficiency: N/A  
Efficacy: 43.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 420.3  
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

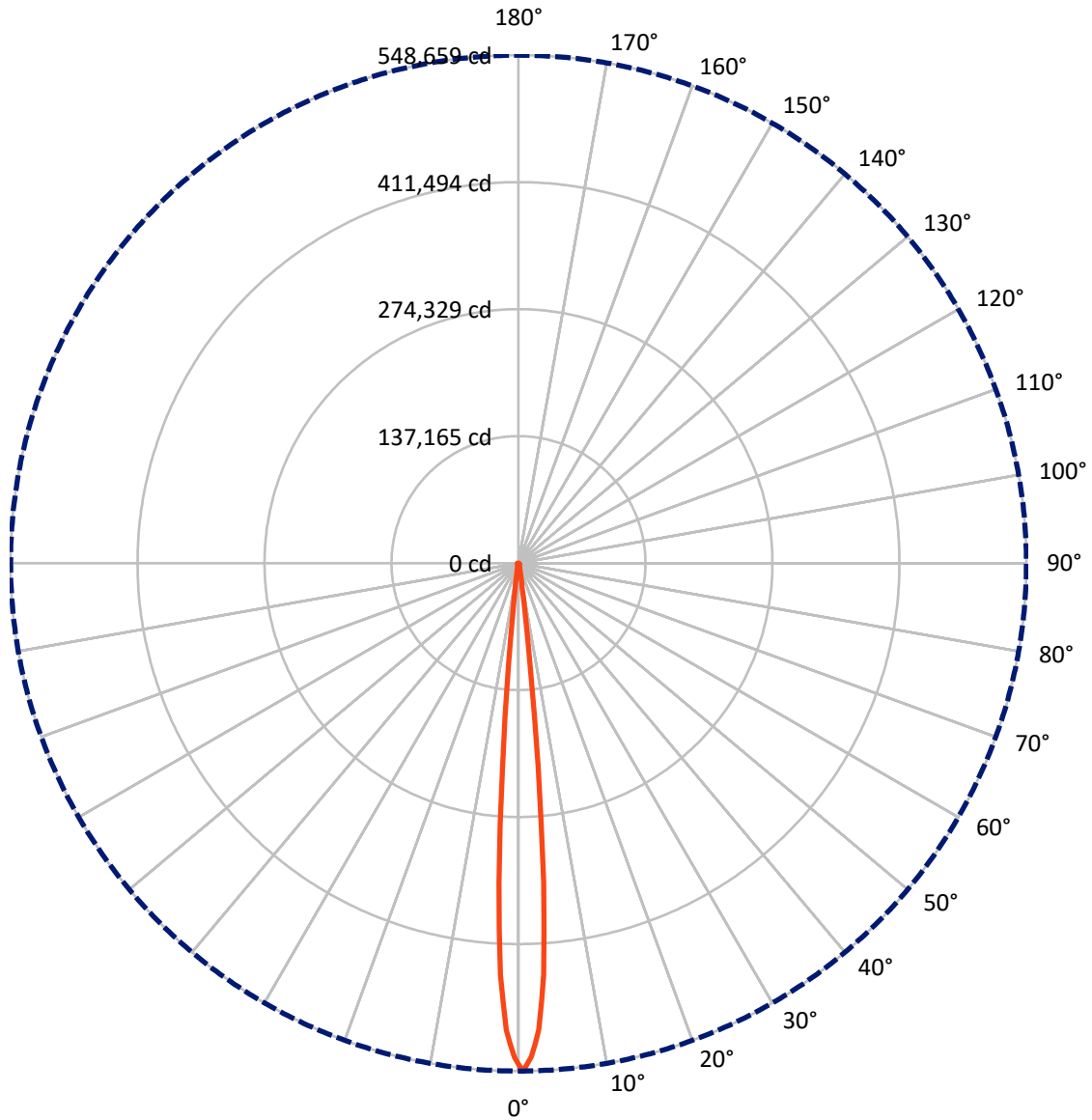
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 877.9 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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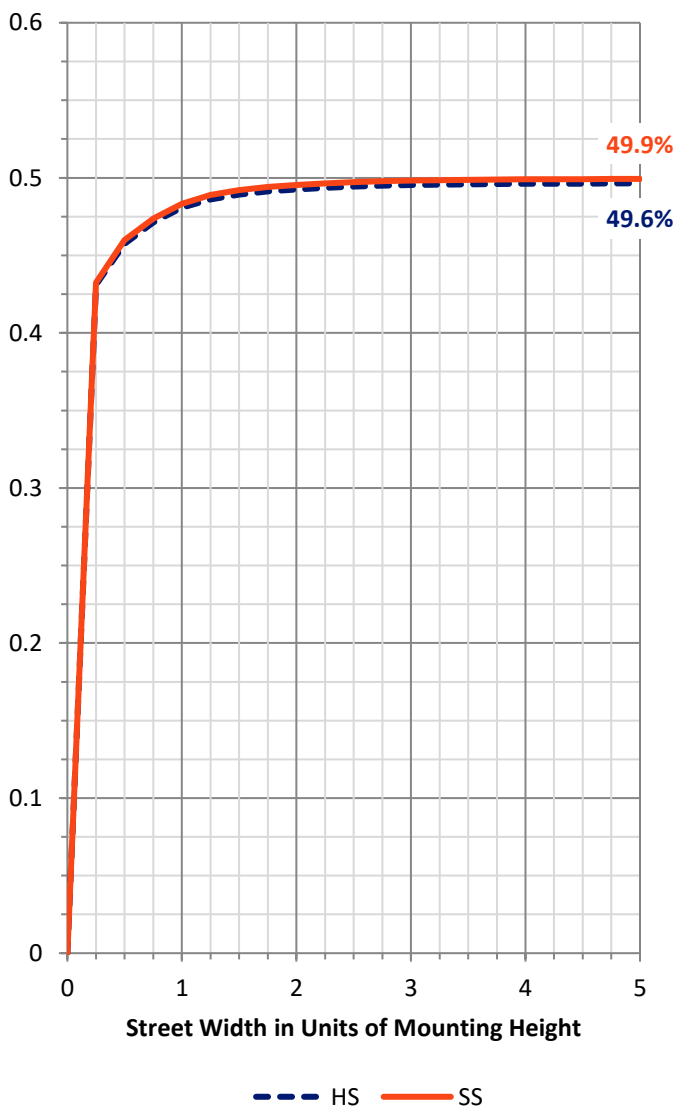
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9203.1	0.0	9203.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9203.1	0.0	9203.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18406.2	0.0	18406.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14135.9	76.8
10°-20°	1378.8	7.5
20°-30°	736.6	4.0
30°-40°	607.5	3.3
40°-50°	676.4	3.7
50°-60°	454.9	2.5
60°-70°	290.3	1.6
70°-80°	114.6	0.6
80°-90°	11.2	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°	18406.2	100.0
0°-180°	18406.2	100.0

**Coefficient of Utilization**



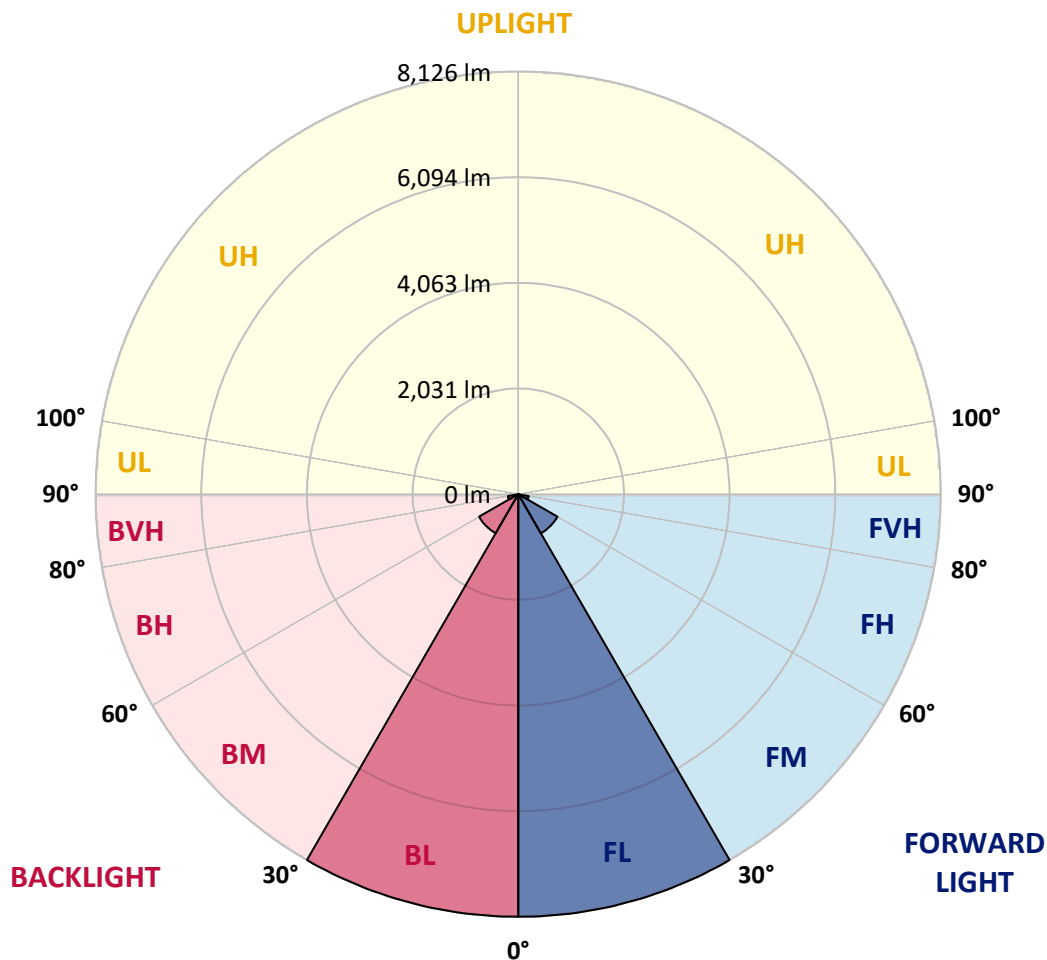
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8125.6	44.1			
FM (30°-60°)	869.4	4.7			
FH (60°-80°)	202.4	1.1			G0/660
FVH (80°-90°)	5.6	0.0			G0/10
BL (0°-30°)	8125.6	44.1	B5		
BM (30°-60°)	869.4	4.7	B1/1000		
BH (60°-80°)	202.4	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°	548658.8	548658.8	548658.8	548658.8	548658.8	548658.8	548658.8	548658.8	548658.8	548658.8
1°	533410.0	534337.7	534505.0	533400.5	530584.1	531248.7	531162.7	531310.9	531033.5	529273.9
2°	504528.7	505901.1	504457.0	501358.5	494941.5	493411.3	488299.7	482595.2	476522.5	470435.4
3°	445575.5	448463.6	446402.7	449711.6	436695.9	435380.9	424631.7	410458.9	396094.7	384456.1
4°	345471.1	350807.5	351515.2	362436.5	351744.7	355087.1	342807.7	323116.8	301628.0	285188.6
5°	220210.4	227650.7	231849.0	242091.4	247016.5	259840.9	253859.1	234096.4	209265.2	190353.6
6°	111264.8	115314.8	126594.8	137855.7	150431.5	167449.4	169754.2	152406.3	132643.6	114492.4
7°	51866.8	53540.4	61497.1	63897.5	78276.0	96738.0	99320.1	89809.4	79385.3	65317.7
8°	26801.3	27451.6	30358.8	32142.4	40529.5	51149.6	52961.8	46975.2	42709.9	35633.0
9°	16506.3	16793.2	17883.5	18285.1	21421.9	26146.2	26786.9	24281.3	23124.2	20680.7
10°	11447.3	11600.3	12112.0	12217.2	13264.4	14818.4	14875.8	14053.3	14072.5	13460.4
12.5°	6101.4	6149.2	6292.7	6307.0	6507.9	6670.4	6632.2	6637.0	6718.3	6637.0
15°	3901.8	3925.8	4011.8	4031.0	4136.1	4193.5	4164.8	4160.1	4188.7	4136.1
17.5°	2782.9	2797.3	2859.4	2912.0	2979.0	2998.1	2988.5	2979.0	2979.0	2931.2
20°	2170.9	2190.0	2233.0	2285.6	2319.1	2352.6	2357.4	2352.6	2338.2	2314.3
22.5°	1845.7	1855.3	1869.6	1893.5	1917.5	1931.8	1941.4	1946.1	1941.4	1931.8
25°	1606.6	1616.2	1644.9	1659.2	1659.2	1664.0	1683.1	1692.7	1697.5	1678.4
27.5°	1185.9	1209.8	1252.8	1276.7	1276.7	1286.3	1300.6	1319.7	1338.9	1305.4
30°	918.1	937.2	985.0	985.0	980.2	989.8	1004.2	1032.8	1061.5	1023.3
32.5°	827.2	827.2	836.8	841.6	841.6	855.9	865.5	889.4	913.3	903.7
35°	865.5	841.6	812.9	812.9	822.4	851.1	855.9	879.8	903.7	937.2
37.5°	1257.6	1185.9	1080.7	1061.5	1061.5	1095.0	1080.7	1095.0	1138.0	1262.4
40°	1142.8	1085.4	1023.3	937.2	937.2	985.0	951.6	970.7	1071.1	1147.6
42.5°	1018.5	1018.5	951.6	870.3	870.3	894.2	884.6	894.2	1008.9	1071.1
45°	942.0	942.0	922.9	793.8	812.9	827.2	827.2	827.2	980.2	999.4
47.5°	899.0	899.0	851.1	731.6	755.5	760.3	769.8	760.3	879.8	946.8
50°	803.3	812.9	731.6	645.5	674.2	674.2	688.6	669.4	760.3	870.3
52.5°	693.3	702.9	578.6	511.6	545.1	540.3	559.5	530.8	602.5	755.5
55°	616.8	612.1	478.2	416.0	454.3	449.5	459.0	425.6	487.7	650.3
57.5°	535.5	545.1	392.1	339.5	382.5	373.0	387.3	349.1	401.7	578.6
60°	473.4	487.7	334.7	286.9	329.9	320.4	334.7	291.7	344.3	521.2
62.5°	454.3	454.3	296.5	243.9	286.9	277.3	286.9	243.9	306.0	478.2
65°	540.3	511.6	267.8	200.8	243.9	234.3	243.9	200.8	267.8	459.0
67.5°	717.3	683.8	253.4	157.8	196.0	181.7	196.0	162.6	234.3	430.4
70°	373.0	396.9	253.4	124.3	148.2	148.2	143.5	124.3	196.0	315.6
72.5°	215.2	220.0	196.0	95.6	114.8	124.3	110.0	95.6	143.5	234.3
75°	119.5	133.9	124.3	71.7	86.1	95.6	81.3	71.7	100.4	167.4
77.5°	71.7	81.3	71.7	47.8	57.4	52.6	57.4	47.8	66.9	110.0
80°	38.3	38.3	38.3	28.7	28.7	33.5	33.5	28.7	38.3	57.4
82.5°	14.3	14.3	14.3	9.6	14.3	14.3	14.3	19.1	19.1	23.9
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°

- 548658.8
- 531009.6
- 473940.4
- 388869.6
- 288999.6
- 192778.0
- 115850.4
- 67019.9
- 36594.1
- 21211.5
- 13742.5
- 6727.8
- 4174.4
- 2945.5
- 2319.1
- 1936.6
- 1678.4
- 1300.6
- 1013.7
- 903.7
- 956.3
- 1324.5
- 1219.3
- 1075.9
- 994.6
- 932.4
- 860.7
- 736.4
- 640.7
- 564.2
- 506.9
- 473.4
- 459.0
- 425.6
- 310.8
- 229.5
- 148.2
- 81.3
- 47.8
- 23.9
- 4.8
- 4.8
- 0.0

OF REPORT)