

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: P636040

Luminaire Tested: **IFLD-L-SA8D-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636040
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33902.4 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

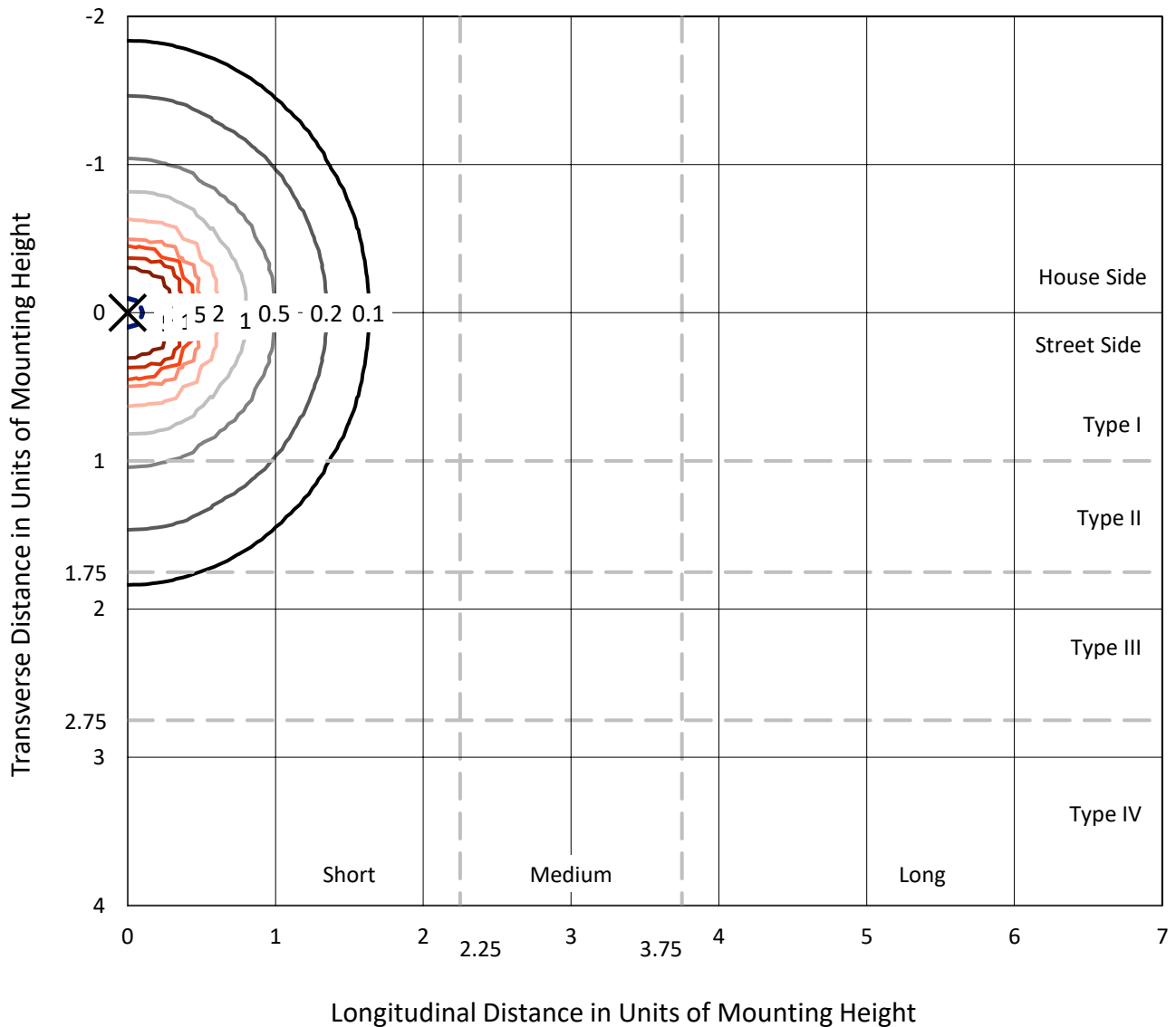
Input Watts (W): 488.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636040
 CATALOG NUMBER: IFLD-L-SA8D-930-U-22-VI

Iso-Footcandle Lines of Horizontal Illumination

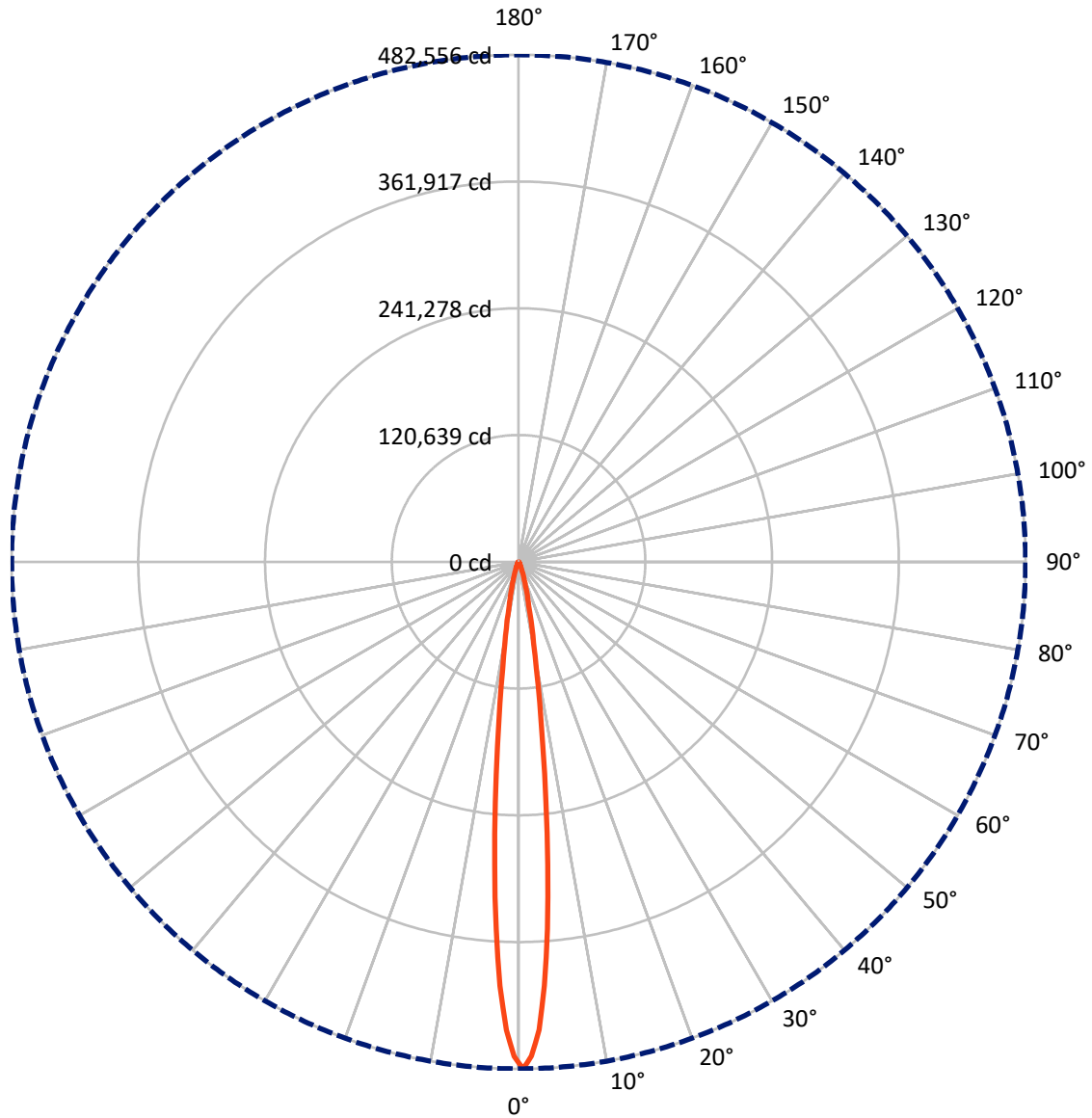
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1206.4 fc
 Type V - Short - N/A

REPORT NUMBER: P636040
CATALOG NUMBER: IFLD-L-SA8D-930-U-22-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636040
 CATALOG NUMBER: IFLD-L-SA8D-930-U-22-VI

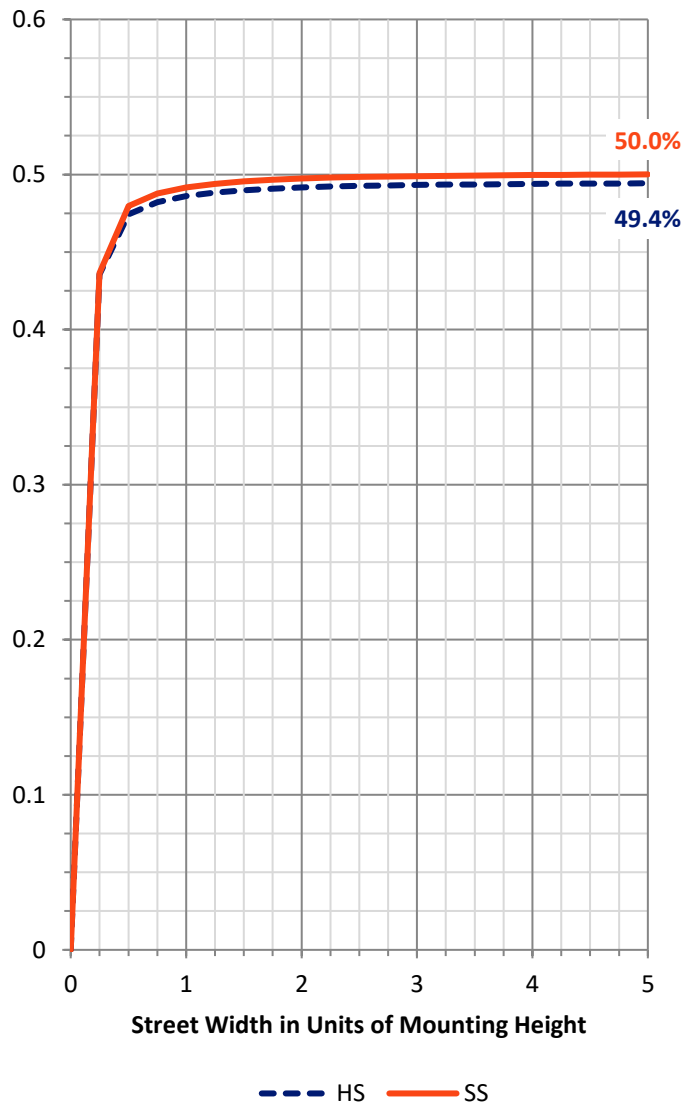
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16951.2	0.0	16951.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16951.2	0.0	16951.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	33902.4	0.0	33902.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20666.2	61.0
10°-20°	9258.6	27.3
20°-30°	2067.7	6.1
30°-40°	674.9	2.0
40°-50°	465.4	1.4
50°-60°	351.6	1.0
60°-70°	240.7	0.7
70°-80°	126.7	0.4
80°-90°	50.6	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°	33902.4	100.0
0°-180°	33902.4	100.0

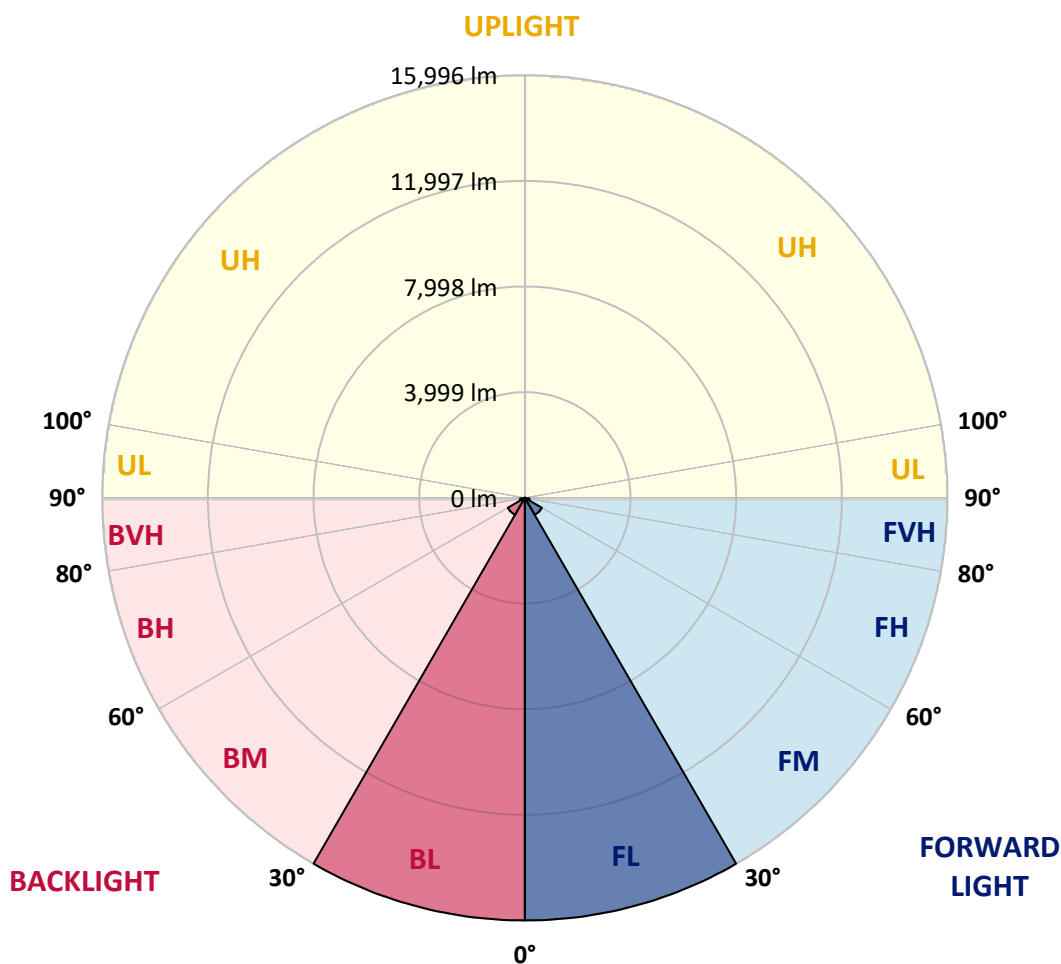


REPORT NUMBER: P636040
 CATALOG NUMBER: IFLD-L-SA8D-930-U-22-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15996.3	47.2			
FM (30°-60°)	746.0	2.2			
FH (60°-80°)	183.7	0.5			G0/660
FVH (80°-90°)	25.3	0.1			G1/100
BL (0°-30°)	15996.3	47.2	B5		
BM (30°-60°)	746.0	2.2	B1/1000		
BH (60°-80°)	183.7	0.5	B1/500		G0/660
BVH (80°-90°)	25.3	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: P636040
 CATALOG NUMBER: IFLD-L-SA8D-930-U-22-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	482556.1	482556.1	482556.1	482556.1	482556.1	482556.1	482556.1	482556.1	482556.1	482556.1
1°	470575.4	471215.5	470502.9	474102.0	475587.5	476360.4	476451.0	478480.0	476916.0	477350.8
2°	445774.6	447199.7	444814.4	447121.2	451734.7	453479.9	450635.7	454150.2	452894.2	453624.8
3°	404101.7	405846.9	402549.8	405369.8	411305.8	412634.4	407972.5	412966.5	412839.7	413890.4
4°	350387.7	353219.9	348509.7	351849.1	354475.9	359101.5	354584.6	360267.0	360158.3	361982.0
5°	289415.3	292476.9	288382.7	291848.9	294336.8	296057.8	294403.2	300689.5	301088.1	302972.1
6°	229753.3	232609.5	228038.3	231347.5	235290.7	235997.2	235568.5	240979.1	242180.8	240713.4
7°	176818.3	177530.8	176812.2	179819.5	182983.8	183098.5	183654.1	188412.5	189469.3	188962.0
8°	135417.2	132156.3	134958.2	136552.4	137530.7	142023.5	142355.6	144752.9	146697.4	146836.3
9°	103080.1	100060.8	103303.5	103937.6	106184.0	110175.5	109674.3	112295.1	113514.9	113436.4
10°	78587.2	77053.4	78677.8	79378.3	81226.1	84607.8	85193.5	86395.2	87301.0	87892.8
12.5°	42645.1	43001.4	43943.4	44680.1	47168.0	48067.8	48430.1	48532.8	48526.7	48623.4
15°	26491.6	26781.5	27439.7	28774.3	30290.0	31407.1	31564.1	30984.4	30483.2	30404.7
17.5°	16521.8	16407.1	17953.0	19414.3	21238.0	21817.7	21213.8	20549.6	19867.2	19474.7
20°	9915.5	9994.0	10519.4	11171.5	12645.0	13647.4	13019.4	12343.0	11636.5	11171.5
22.5°	5634.1	5718.6	5948.1	6286.3	6847.9	7759.7	7361.1	6678.8	6177.6	5972.2
25°	3327.3	3327.3	3466.2	3617.2	3852.7	4064.0	3979.5	3617.2	3321.3	3236.7
27.5°	2155.8	2137.7	2186.0	2258.5	2367.2	2379.2	2282.6	2173.9	2023.0	1968.6
30°	1576.1	1582.1	1576.1	1606.3	1600.2	1558.0	1497.6	1503.6	1443.2	1437.2
32.5°	1280.2	1286.2	1286.2	1280.2	1250.0	1183.6	1141.3	1183.6	1171.5	1159.4
35°	1062.8	1068.8	1129.2	1123.2	1074.9	1002.4	972.2	1020.5	1056.8	1002.4
37.5°	917.9	923.9	972.2	996.4	936.0	887.7	851.5	893.7	948.1	887.7
40°	809.2	815.2	827.3	833.3	803.1	779.0	760.9	772.9	797.1	766.9
42.5°	712.6	706.5	712.6	706.5	670.3	682.4	670.3	652.2	670.3	646.1
45°	622.0	622.0	622.0	603.9	567.6	591.8	579.7	561.6	567.6	549.5
47.5°	567.6	567.6	567.6	543.5	513.3	513.3	519.3	489.1	495.2	489.1
50°	513.3	513.3	525.4	501.2	477.1	458.9	465.0	440.8	446.9	440.8
52.5°	471.0	471.0	471.0	458.9	440.8	428.7	416.7	404.6	398.6	392.5
55°	452.9	452.9	446.9	410.6	404.6	392.5	368.4	362.3	350.2	344.2
57.5°	422.7	422.7	416.7	386.5	362.3	362.3	326.1	320.0	301.9	301.9
60°	374.4	374.4	368.4	362.3	332.1	314.0	289.9	277.8	259.7	253.6
62.5°	356.3	356.3	344.2	314.0	308.0	277.8	253.6	229.5	217.4	205.3
65°	332.1	326.1	320.0	289.9	265.7	247.6	217.4	187.2	175.1	151.0
67.5°	295.9	295.9	289.9	265.7	241.5	211.4	181.2	157.0	126.8	108.7
70°	259.7	253.6	253.6	229.5	211.4	187.2	144.9	120.8	90.6	72.5
72.5°	217.4	217.4	211.4	193.2	181.2	163.0	126.8	96.6	60.4	48.3
75°	175.1	175.1	169.1	157.0	151.0	132.9	108.7	84.5	48.3	24.2
77.5°	144.9	138.9	138.9	126.8	120.8	108.7	90.6	66.4	36.2	18.1
80°	108.7	108.7	114.7	108.7	96.6	90.6	78.5	60.4	30.2	12.1
82.5°	78.5	78.5	84.5	84.5	84.5	78.5	78.5	60.4	30.2	6.0
85°	54.3	54.3	66.4	60.4	60.4	66.4	96.6	78.5	24.2	6.0
87.5°	30.2	30.2	30.2	24.2	24.2	30.2	36.2	30.2	12.1	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

- 482556.1
- 474156.3
- 451016.1
- 411070.3
- 358781.5
- 299373.1
- 240864.4
- 188267.6
- 145085.1
- 115284.2
- 88243.1
- 48701.9
- 30163.2
- 19414.3
- 11274.2
- 5996.4
- 3224.6
- 1968.6
- 1431.2
- 1135.3
- 990.3
- 881.6
- 754.8
- 646.1
- 549.5
- 489.1
- 440.8
- 392.5
- 338.2
- 301.9
- 241.5
- 199.3
- 144.9
- 108.7
- 72.5
- 42.3
- 24.2
- 12.1
- 6.0
- 6.0
- 6.0
- 6.0
- 0.0

OF REPORT)