

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: P636081

Luminaire Tested: **IFLD-S-SA6B-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636081
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22919.4 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

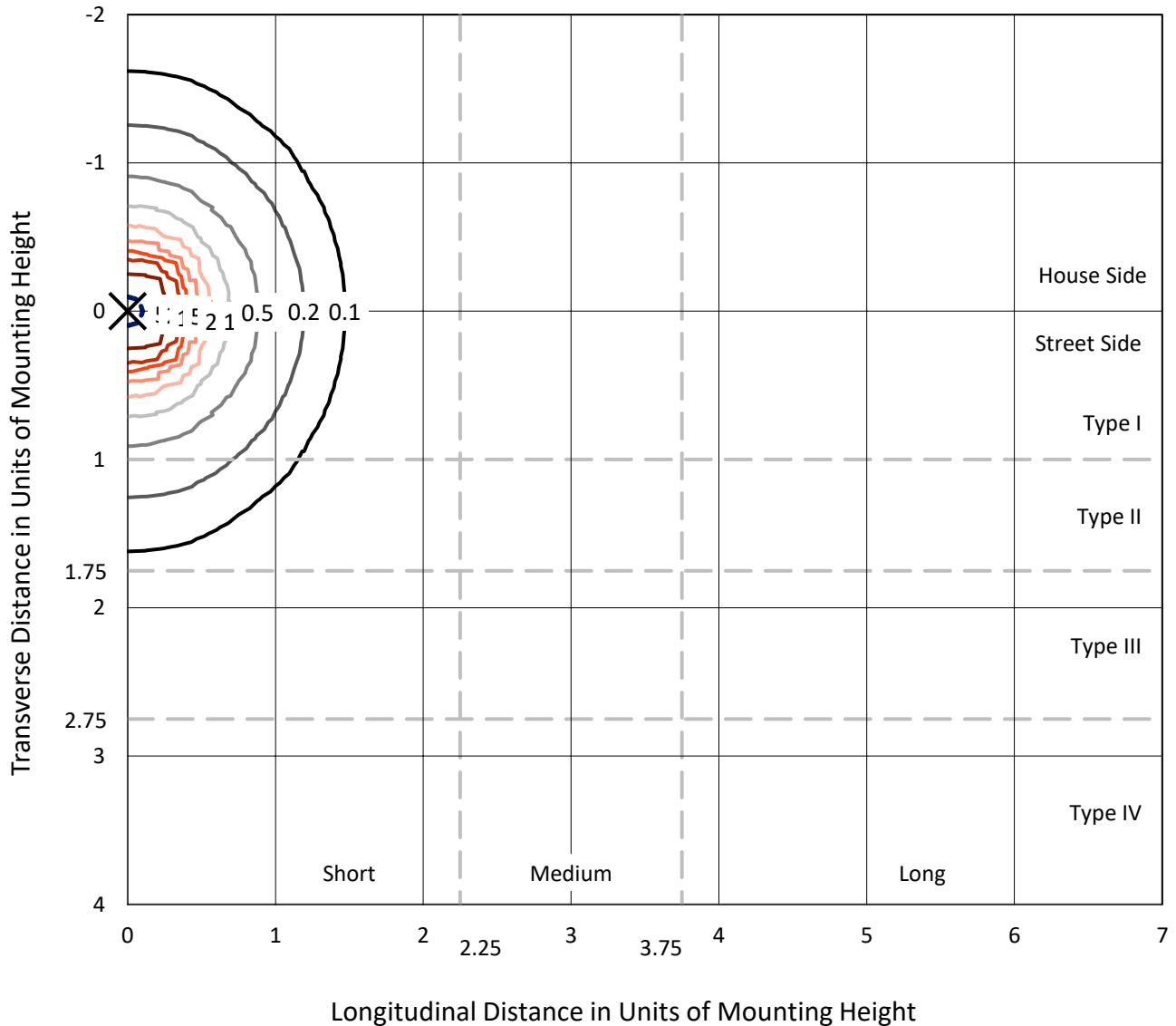
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636081
 CATALOG NUMBER: IFLD-S-SA6B-940-U-22-VI

Iso-Footcandle Lines of Horizontal Illumination

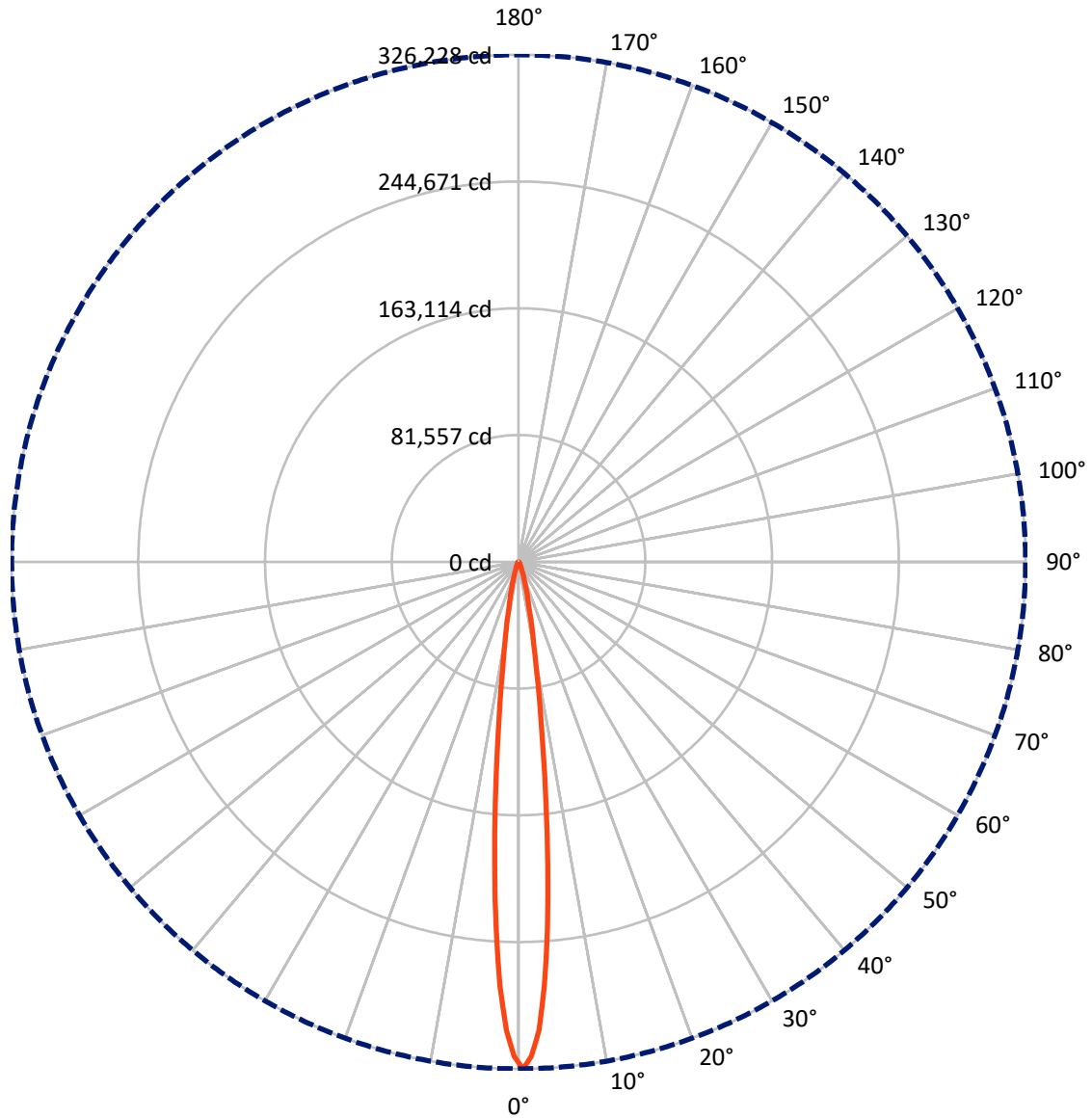
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 815.6 fc
 Type V - Short - N/A

REPORT NUMBER: P636081
CATALOG NUMBER: IFLD-S-SA6B-940-U-22-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636081
 CATALOG NUMBER: IFLD-S-SA6B-940-U-22-VI

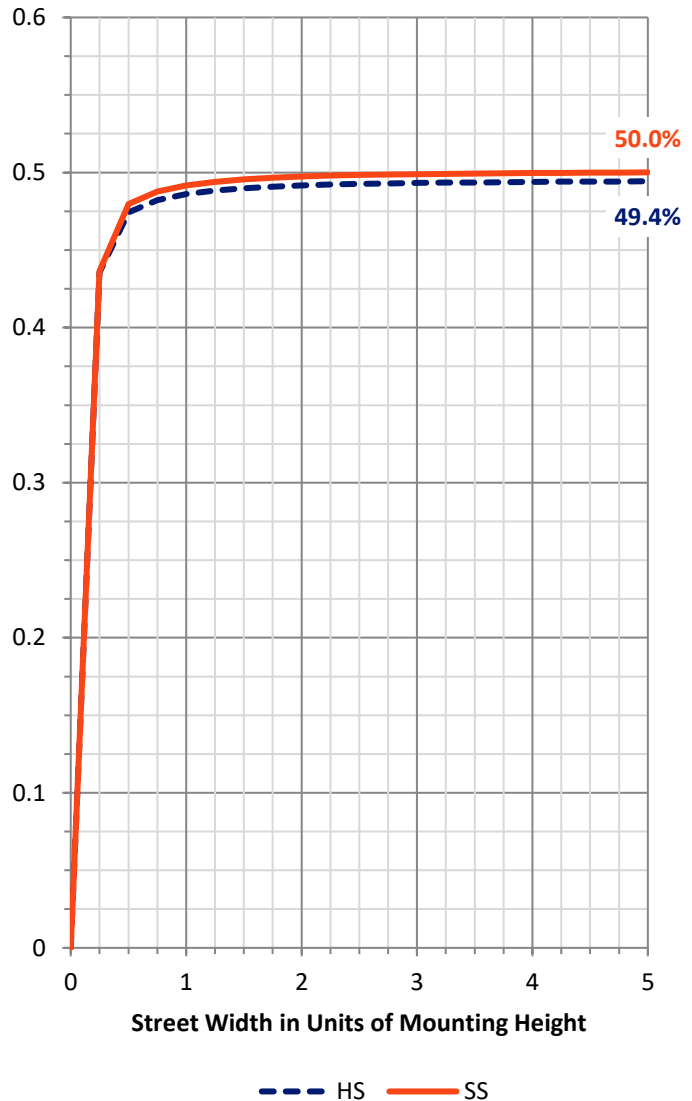
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11459.7	0.0	11459.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11459.7	0.0	11459.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	22919.4	0.0	22919.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13971.2	61.0
10°-20°	6259.2	27.3
20°-30°	1397.8	6.1
30°-40°	456.2	2.0
40°-50°	314.7	1.4
50°-60°	237.7	1.0
60°-70°	162.7	0.7
70°-80°	85.7	0.4
80°-90°	34.2	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°	22919.4	100.0
0°-180°	22919.4	100.0

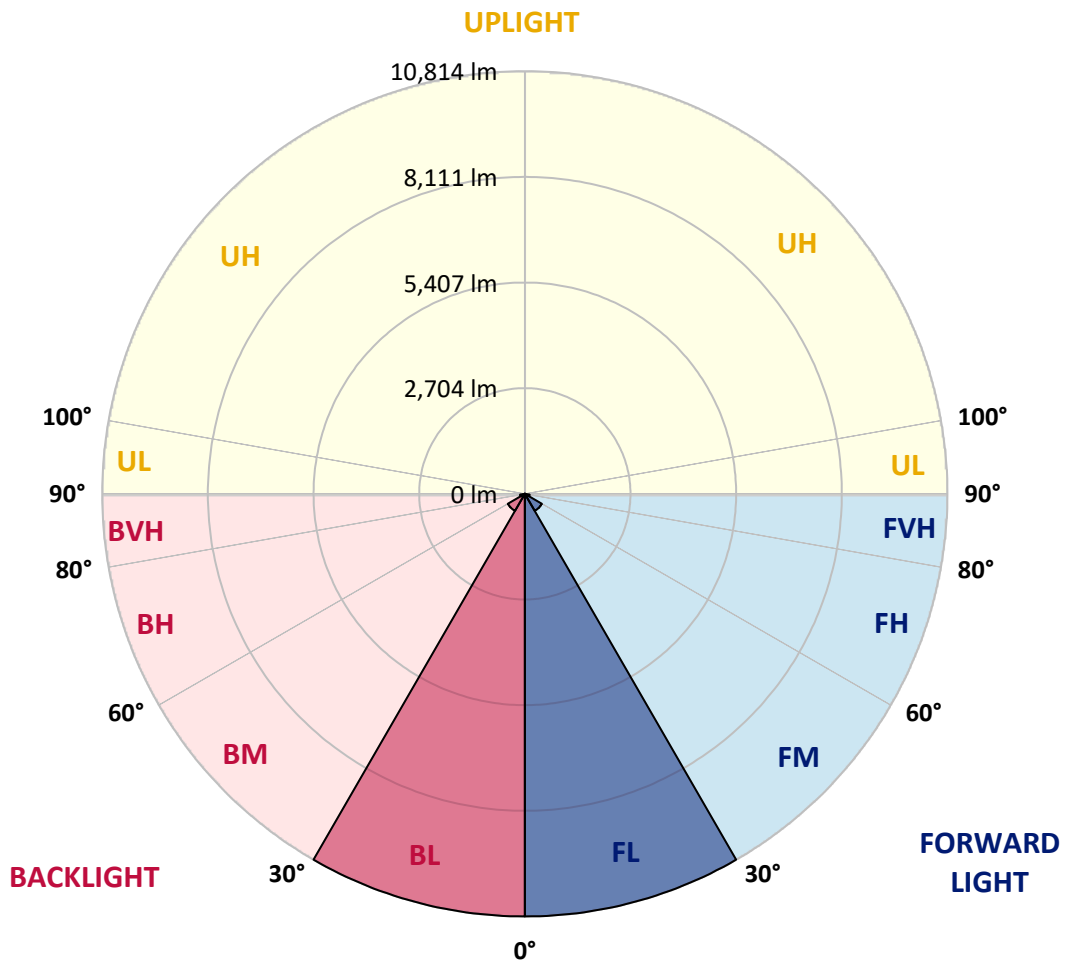


REPORT NUMBER: P636081
 CATALOG NUMBER: IFLD-S-SA6B-940-U-22-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10814.1	47.2			
FM (30°-60°)	504.3	2.2			
FH (60°-80°)	124.2	0.5			G0/660
FVH (80°-90°)	17.1	0.1			G1/100
BL (0°-30°)	10814.1	47.2	B5		
BM (30°-60°)	504.3	2.2	B1/1000		
BH (60°-80°)	124.2	0.5	B1/500		G0/660
BVH (80°-90°)	17.1	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: P636081
 CATALOG NUMBER: IFLD-S-SA6B-940-U-22-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	326228.1	326228.1	326228.1	326228.1	326228.1	326228.1	326228.1	326228.1	326228.1	326228.1
1°	318128.6	318561.3	318079.6	320512.7	321517.0	322039.5	322100.8	323472.5	322415.1	322709.1
2°	301362.2	302325.7	300713.1	302272.6	305391.5	306571.4	304648.6	307024.5	306175.4	306669.3
3°	273189.6	274369.4	272140.5	274046.9	278059.9	278958.1	275806.4	279182.6	279096.9	279807.2
4°	236876.8	238791.4	235607.1	237864.7	239640.5	242767.6	239714.0	243555.5	243482.1	244714.9
5°	195656.8	197726.6	194958.7	197302.0	198984.0	200147.5	199028.9	203278.7	203548.1	204821.8
6°	155322.8	157253.8	154163.4	156400.5	159066.3	159544.0	159254.1	162912.0	163724.4	162732.3
7°	119536.5	120018.3	119532.5	121565.5	123704.7	123782.2	124157.8	127374.7	128089.2	127746.2
8°	91547.7	89343.2	91237.4	92315.1	92976.5	96013.8	96238.3	97859.0	99173.6	99267.5
9°	69686.4	67645.2	69837.5	70266.1	71784.8	74483.3	74144.4	75916.2	76740.8	76687.7
10°	53128.3	52091.3	53189.5	53663.1	54912.3	57198.4	57594.4	58406.8	59019.2	59419.2
12.5°	28829.9	29070.7	29707.6	30205.6	31887.6	32495.8	32740.8	32810.2	32806.1	32871.4
15°	17909.5	18105.4	18550.4	19452.6	20477.3	21232.5	21338.7	20946.8	20607.9	20554.8
17.5°	11169.4	11091.9	12137.0	13124.9	14357.8	14749.7	14341.4	13892.4	13431.1	13165.7
20°	6703.3	6756.4	7111.5	7552.4	8548.5	9226.2	8801.6	8344.4	7866.8	7552.4
22.5°	3808.9	3866.0	4021.2	4249.8	4629.4	5245.9	4976.4	4515.1	4176.3	4037.5
25°	2249.4	2249.4	2343.3	2445.4	2604.6	2747.5	2690.3	2445.4	2245.3	2188.2
27.5°	1457.4	1445.2	1477.8	1526.8	1600.3	1608.5	1543.1	1469.7	1367.6	1330.9
30°	1065.5	1069.6	1065.5	1085.9	1081.8	1053.3	1012.4	1016.5	975.7	971.6
32.5°	865.5	869.5	869.5	865.5	845.1	800.1	771.6	800.1	792.0	783.8
35°	718.5	722.6	763.4	759.3	726.7	677.7	657.3	689.9	714.4	677.7
37.5°	620.5	624.6	657.3	673.6	632.8	600.1	575.6	604.2	640.9	600.1
40°	547.0	551.1	559.3	563.4	543.0	526.6	514.4	522.5	538.9	518.5
42.5°	481.7	477.6	481.7	477.6	453.1	461.3	453.1	440.9	453.1	436.8
45°	420.5	420.5	420.5	408.2	383.7	400.1	391.9	379.7	383.7	371.5
47.5°	383.7	383.7	383.7	367.4	347.0	347.0	351.1	330.7	334.8	330.7
50°	347.0	347.0	355.2	338.8	322.5	310.3	314.3	298.0	302.1	298.0
52.5°	318.4	318.4	318.4	310.3	298.0	289.8	281.7	273.5	269.4	265.4
55°	306.2	306.2	302.1	277.6	273.5	265.4	249.0	244.9	236.8	232.7
57.5°	285.8	285.8	281.7	261.3	244.9	244.9	220.4	216.4	204.1	204.1
60°	253.1	253.1	249.0	244.9	224.5	212.3	196.0	187.8	175.5	171.5
62.5°	240.9	240.9	232.7	212.3	208.2	187.8	171.5	155.1	147.0	138.8
65°	224.5	220.4	216.4	196.0	179.6	167.4	147.0	126.6	118.4	102.1
67.5°	200.0	200.0	196.0	179.6	163.3	142.9	122.5	106.1	85.7	73.5
70°	175.5	171.5	171.5	155.1	142.9	126.6	98.0	81.6	61.2	49.0
72.5°	147.0	147.0	142.9	130.6	122.5	110.2	85.7	65.3	40.8	32.7
75°	118.4	118.4	114.3	106.1	102.1	89.8	73.5	57.2	32.7	16.3
77.5°	98.0	93.9	93.9	85.7	81.6	73.5	61.2	44.9	24.5	12.2
80°	73.5	73.5	77.6	73.5	65.3	61.2	53.1	40.8	20.4	8.2
82.5°	53.1	53.1	57.2	57.2	57.2	53.1	53.1	40.8	20.4	4.1
85°	36.7	36.7	44.9	40.8	40.8	44.9	65.3	53.1	16.3	4.1
87.5°	20.4	20.4	20.4	16.3	16.3	20.4	24.5	20.4	8.2	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

- 326228.1
- 320549.5
- 304905.7
- 277900.7
- 242551.3
- 202388.7
- 162834.4
- 127276.8
- 98083.6
- 77937.0
- 59656.0
- 32924.5
- 20391.6
- 13124.9
- 7621.8
- 4053.8
- 2180.0
- 1330.9
- 967.5
- 767.5
- 669.5
- 596.0
- 510.3
- 436.8
- 371.5
- 330.7
- 298.0
- 265.4
- 228.6
- 204.1
- 163.3
- 134.7
- 98.0
- 73.5
- 49.0
- 28.6
- 16.3
- 8.2
- 4.1
- 4.1
- 4.1
- 4.1
- 0.0

OF REPORT)