

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: P639094

Luminaire Tested: **USSL-M-C098-D-U-T5-BZ-7030**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-605-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-C098-D-U-T5-BZ-7030
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62057 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Rectangular (W 1.83' x L: 1.75' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 418.1
Input Voltage (V): NR
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

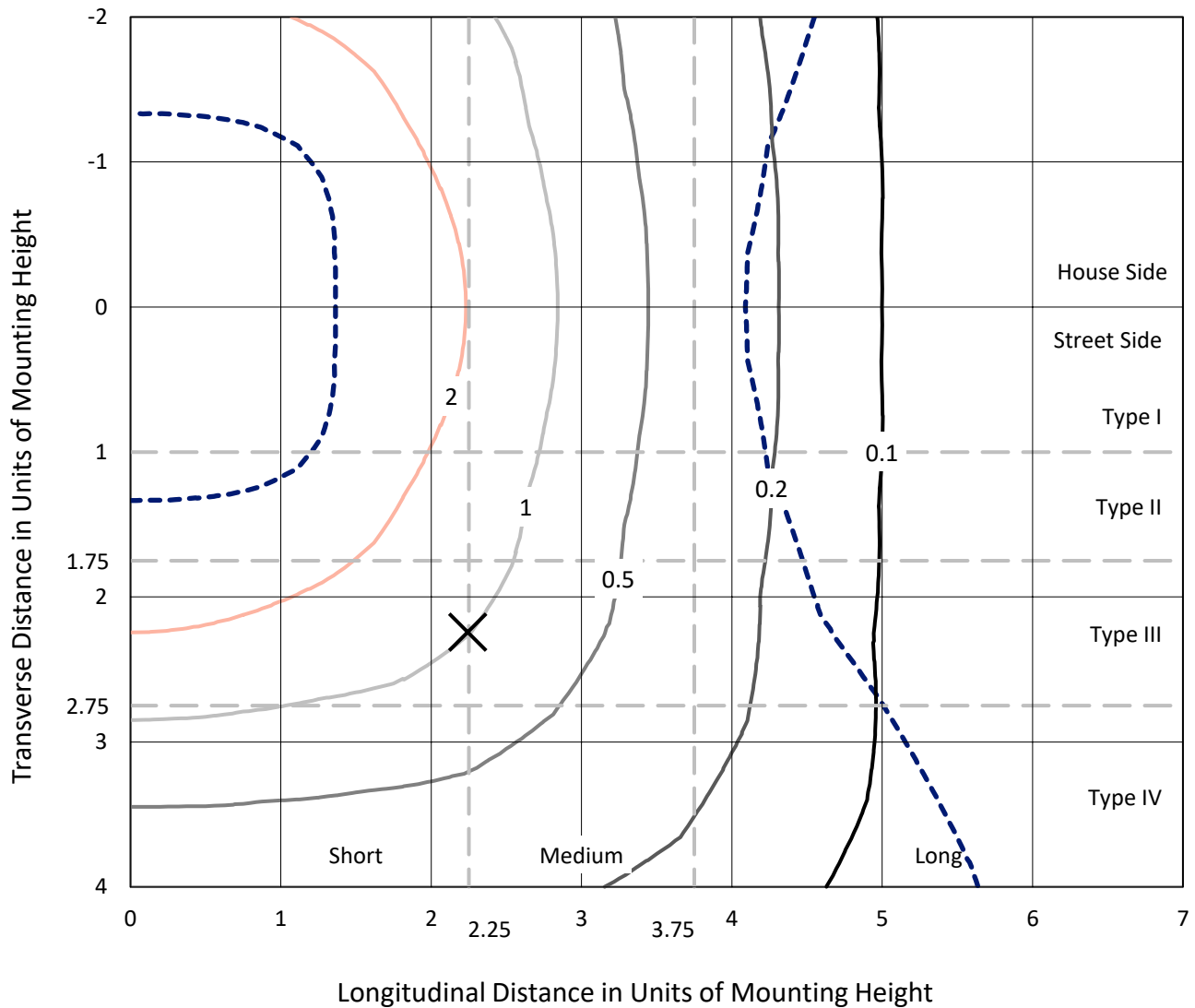


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

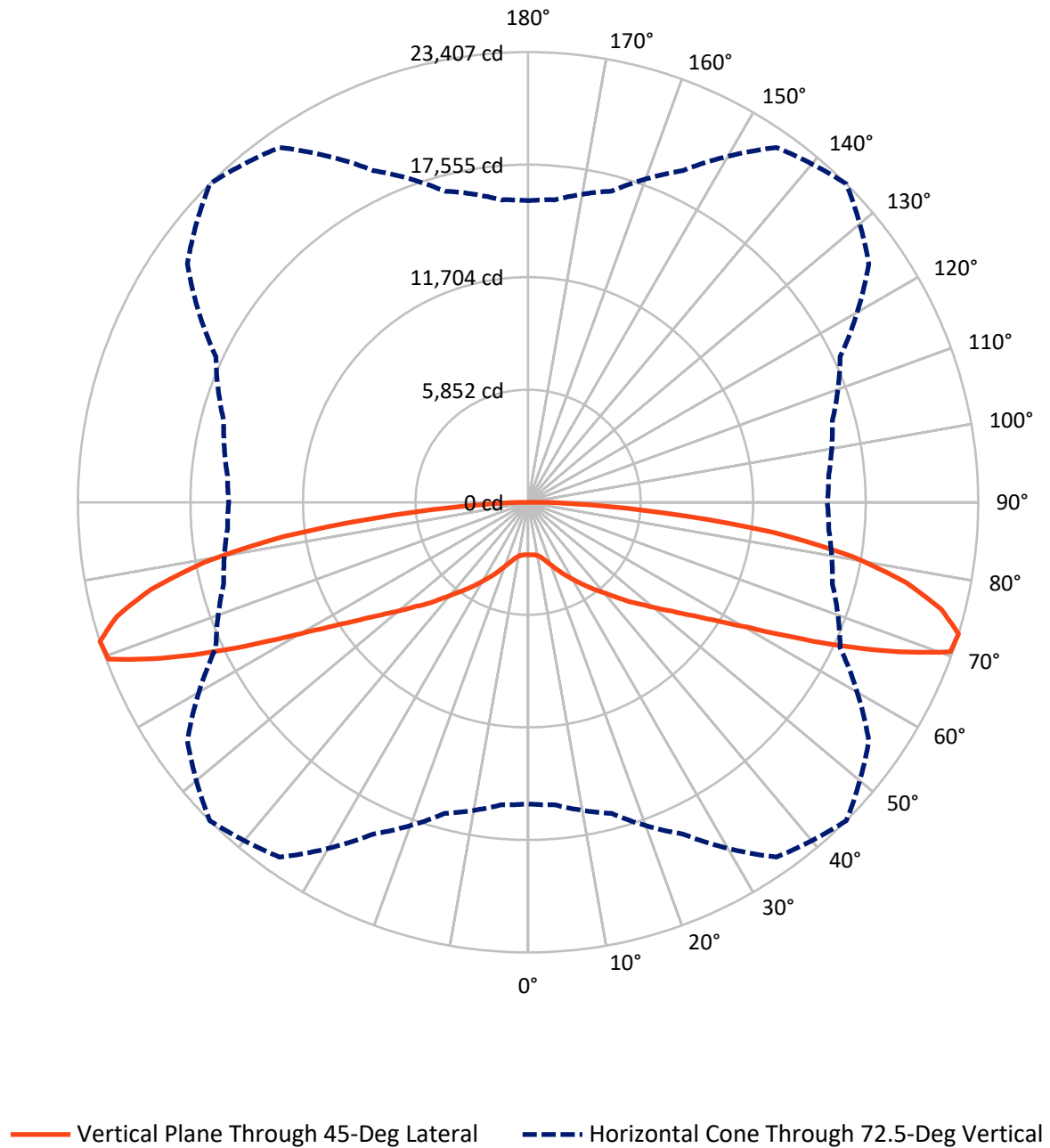


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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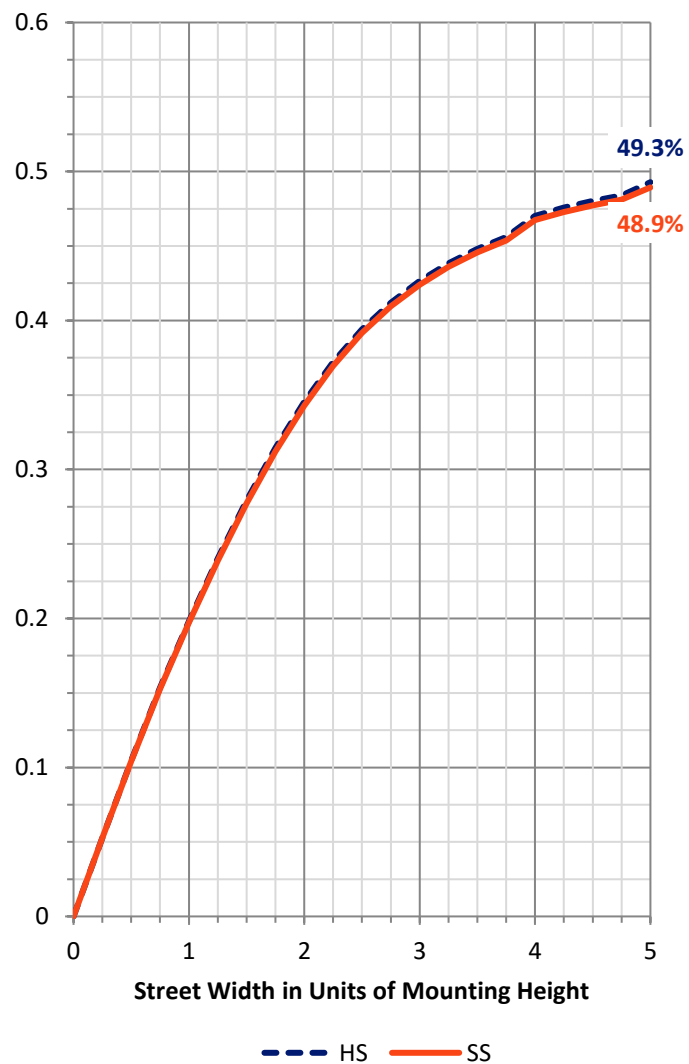
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31028.5	0.0	31028.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31028.5	0.0	31028.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	62057.0	0.0	62057.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.9	0.4
10°-20°	884.4	1.4
20°-30°	1860.3	3.0
30°-40°	3427.9	5.5
40°-50°	5975.0	9.6
50°-60°	10500.1	16.9
60°-70°	17566.1	28.3
70°-80°	17166.7	27.7
80°-90°	4410.6	7.1
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°	62057.0	100.0
0°-180°	62057.0	100.0

Coefficient of Utilization



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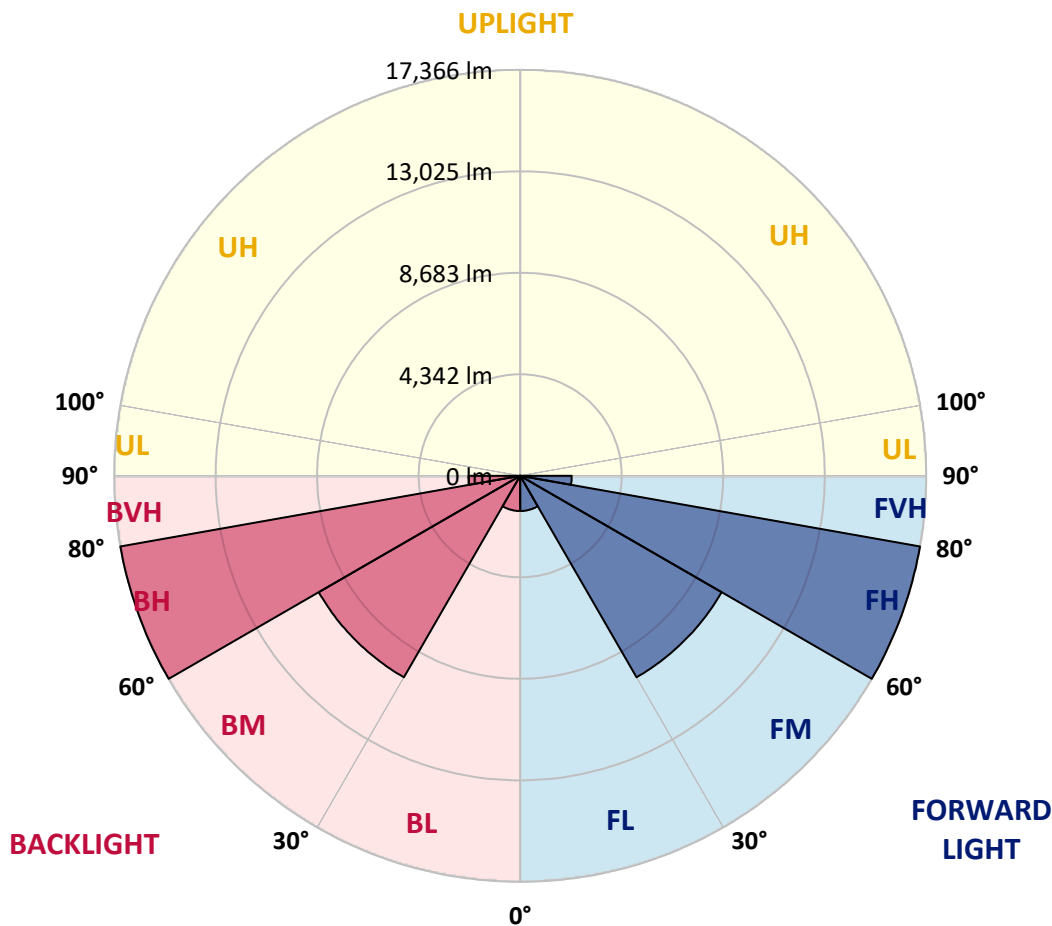
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1505.3	2.4			
FM	(30°-60°)	9951.5	16.0			
FH	(60°-80°)	17366.4	28.0			G5
FVH	(80°-90°)	2205.3	3.6			G5
BL	(0°-30°)	1505.3	2.4	B3/2500		
BM	(30°-60°)	9951.5	16.0	B5		
BH	(60°-80°)	17366.4	28.0	B5		G5
BVH	(80°-90°)	2205.3	3.6			G5
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2738.2	2738.2	2738.2	2738.2	2738.2	2738.2	2738.2	2738.2	2738.2	2738.2	2738.2
2.5°	2746.3	2747.5	2748.7	2739.4	2735.9	2727.8	2730.1	2742.9	2751.0	2756.8	2755.6
5°	2757.9	2760.3	2762.6	2755.6	2749.8	2741.7	2747.5	2760.3	2770.7	2776.5	2775.3
7.5°	2790.4	2790.4	2793.9	2785.8	2781.1	2770.7	2775.3	2789.2	2800.8	2808.9	2806.6
10°	2840.2	2846.0	2851.8	2840.2	2839.1	2827.5	2831.0	2843.7	2847.2	2853.0	2853.0
12.5°	2917.9	2921.4	2930.7	2931.8	2939.9	2927.2	2927.2	2928.3	2923.7	2916.8	2915.6
15°	3036.2	3039.6	3055.9	3067.5	3082.5	3080.2	3068.6	3060.5	3036.2	3028.0	3030.4
17.5°	3185.7	3196.1	3212.4	3234.4	3271.5	3276.1	3251.8	3228.6	3205.4	3192.7	3178.8
20°	3396.7	3401.3	3423.4	3446.5	3496.4	3503.4	3473.2	3431.5	3407.1	3407.1	3406.0
22.5°	3633.2	3632.0	3650.6	3686.5	3743.3	3766.5	3722.5	3679.6	3661.0	3659.9	3657.5
25°	3906.8	3914.9	3911.4	3945.0	4015.8	4061.0	3993.7	3952.0	3942.7	3941.6	3949.7
27.5°	4219.8	4231.4	4223.3	4223.3	4296.3	4358.9	4288.2	4254.6	4254.6	4263.8	4266.2
30°	4562.9	4566.4	4556.0	4556.0	4611.6	4671.9	4594.2	4601.2	4613.9	4646.4	4634.8
32.5°	4943.2	4938.5	4923.5	4922.3	4971.0	5030.1	4959.4	4974.5	5016.2	5054.5	5027.8
35°	5366.3	5355.9	5336.2	5324.6	5373.3	5398.8	5374.4	5409.2	5464.9	5517.0	5515.9
37.5°	5799.9	5816.1	5780.2	5767.4	5773.2	5799.9	5801.1	5867.1	5968.0	6035.2	6029.4
40°	6327.4	6315.8	6281.0	6213.8	6216.1	6223.0	6306.5	6405.0	6553.4	6606.8	6648.5
42.5°	6947.6	6958.0	6834.0	6771.4	6725.0	6745.9	6835.1	7005.5	7188.7	7266.4	7310.4
45°	7720.8	7755.6	7630.4	7491.3	7364.9	7361.4	7462.3	7654.7	7856.5	8017.6	8050.1
47.5°	8760.7	8737.5	8516.1	8221.6	7967.7	7924.9	8009.5	8283.1	8654.0	8891.7	8887.1
50°	9982.6	9901.4	9596.5	9154.9	8692.3	8632.0	8707.4	9102.7	9565.2	9870.1	9881.7
52.5°	11343.6	11284.5	10935.5	10299.1	9651.0	9422.6	9536.3	10060.3	10637.6	11005.1	11060.7
55°	12711.5	12725.4	12360.3	11624.1	10819.6	10399.9	10539.0	11131.4	11938.3	12298.8	12322.0
57.5°	14182.7	14171.1	13832.6	13115.0	12243.2	11628.8	11786.4	12515.6	13233.2	13708.5	13694.6
60°	15598.1	15548.3	15250.4	14735.6	13960.1	13229.7	13350.3	14066.7	14712.5	15108.9	15141.4
62.5°	16811.9	16814.2	16667.0	16416.6	15980.7	15412.7	15288.6	15725.7	16254.3	16523.3	16517.5
65°	18393.2	18344.5	18213.5	18081.3	18069.7	18024.5	17500.5	17536.5	17830.9	18084.8	18124.2
67.5°	18829.1	18888.2	19160.6	19797.1	20661.9	20744.2	19802.9	18980.9	18664.5	18590.3	18538.1
70°	17688.3	17705.7	18422.2	19897.9	22391.5	23293.5	21354.0	18899.8	17904.0	17533.0	17506.3
72.5°	15686.3	15786.0	16748.2	19031.9	22521.4	23407.1	21626.4	17909.8	16381.8	15687.4	15564.5
75°	13271.5	13460.4	14656.8	17189.8	21241.5	22180.6	20409.2	16180.1	14262.7	13372.3	13287.7
77.5°	9505.0	9616.2	11278.7	14396.0	19049.3	20113.6	18265.7	13594.9	11298.4	10252.7	10107.8
80°	5047.5	5453.3	7053.1	10360.5	15420.8	17102.9	14768.1	10016.2	7529.5	6298.4	6241.6
82.5°	2201.5	2346.4	3403.7	6013.2	10573.8	12836.7	10309.5	6182.5	4130.5	3170.6	2970.1
85°	914.7	955.2	1507.1	2847.2	5520.5	7069.3	5722.2	3090.6	1887.3	1279.8	1345.9
87.5°	241.1	271.3	475.3	1067.7	2009.0	2362.6	1925.6	1170.9	628.3	394.2	367.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)