

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: INVUE

Report Number: P180062

Luminaire Tested: **ICM-F01-LED-E1-5WQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180062
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F01-LED-E1-5WQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2233.1 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

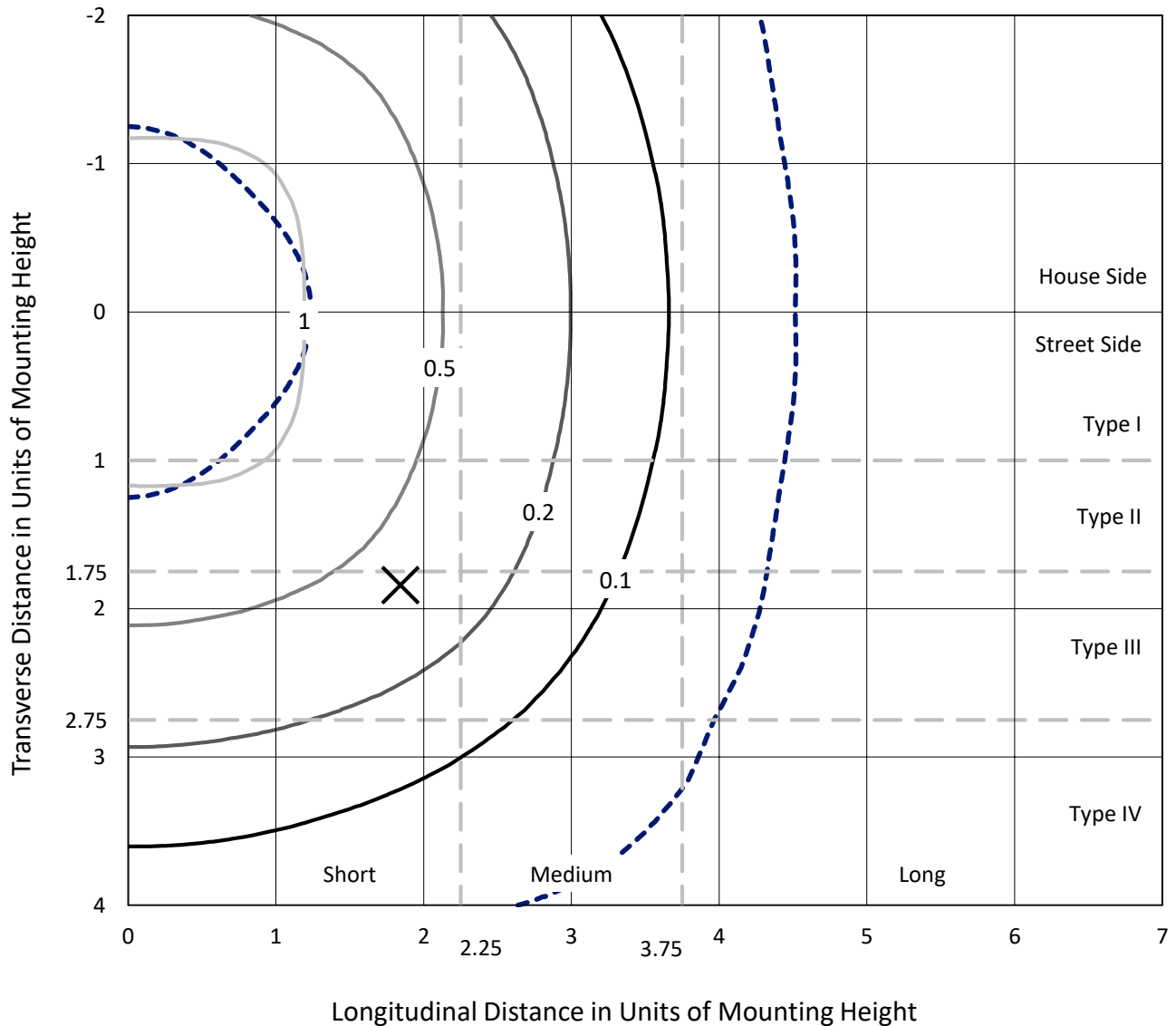
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

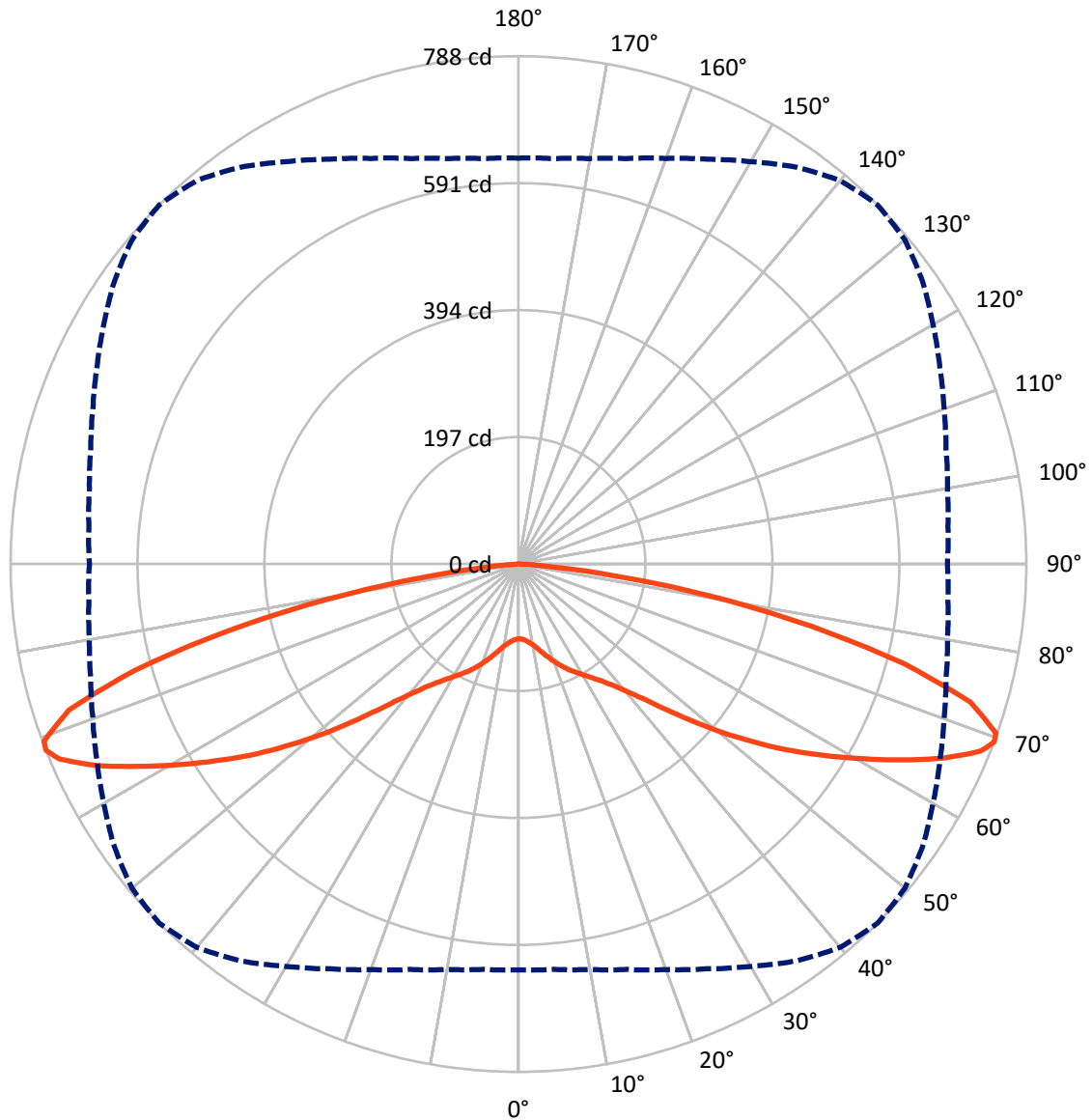


Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1116.5	0.0	1116.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1116.5	0.0	1116.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2233.1	0.0	2233.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.5
10°-20°	41.1	1.8
20°-30°	83.3	3.7
30°-40°	139.6	6.3
40°-50°	246.2	11.0
50°-60°	434.2	19.4
60°-70°	662.9	29.7
70°-80°	553.9	24.8
80°-90°	60.2	2.7
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°	2233.1	100.0
0°-180°	2233.1	100.0



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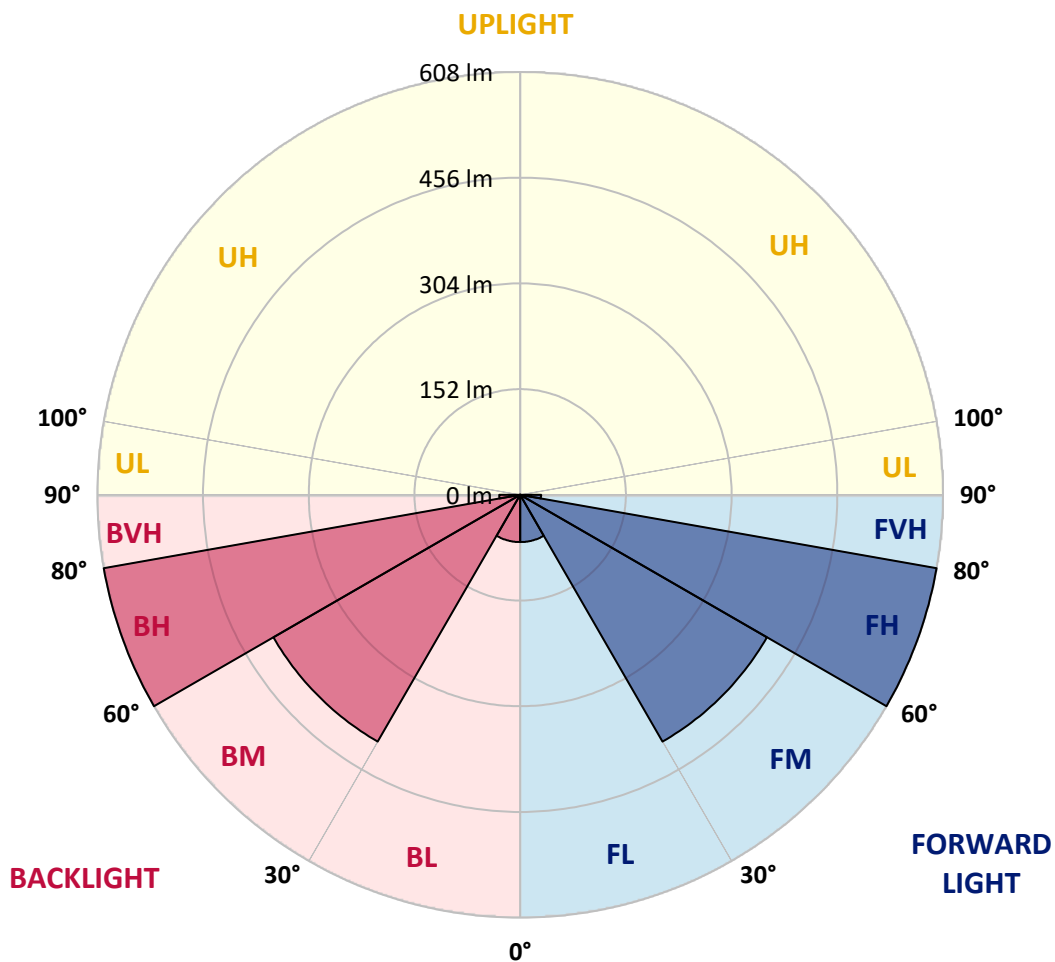
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	68.0	3.0			
FM	(30°-60°)	410.0	18.4			
FH	(60°-80°)	608.4	27.2			G0/660
FVH	(80°-90°)	30.1	1.3			G1/100
BL	(0°-30°)	68.0	3.0	B0/110		
BM	(30°-60°)	410.0	18.4	B1/1000		
BH	(60°-80°)	608.4	27.2	B2/1000		G0/660
BVH	(80°-90°)	30.1	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0
2.5°	116.9	117.1	116.9	116.9	116.9	116.9	116.9	116.7	116.7	116.7	116.9
5°	119.3	119.4	119.3	119.4	119.4	119.4	119.4	119.3	119.3	119.3	119.3
7.5°	123.0	123.0	123.0	123.3	123.0	123.0	123.3	123.0	123.0	123.0	123.0
10°	128.4	128.1	128.1	128.1	128.1	128.1	128.4	128.4	128.4	128.1	128.1
12.5°	134.9	134.7	134.9	134.9	135.2	135.2	135.2	135.2	135.2	135.2	134.9
15°	142.9	142.9	142.9	143.1	143.5	143.5	143.3	143.5	143.5	143.5	143.5
17.5°	151.7	152.2	151.7	152.0	152.2	152.0	152.5	152.7	152.9	152.7	152.0
20°	160.8	161.1	161.1	161.1	161.1	161.6	161.8	161.8	162.5	162.2	162.0
22.5°	169.5	170.0	170.0	170.2	170.2	170.9	170.9	170.9	171.3	171.8	171.3
25°	178.6	178.4	178.4	178.9	179.1	180.0	180.0	180.5	181.2	181.4	180.9
27.5°	186.8	186.6	186.6	187.3	187.5	188.7	188.7	189.6	190.0	190.3	189.9
30°	195.4	195.4	195.3	195.9	196.7	197.6	198.0	199.0	199.6	199.9	199.4
32.5°	205.8	205.3	205.5	206.0	206.4	207.4	208.1	209.2	210.1	210.4	210.0
35°	217.4	216.7	216.9	217.4	218.1	219.5	220.7	221.4	222.8	223.3	222.3
37.5°	230.3	230.5	230.3	231.4	232.7	234.2	235.6	236.6	238.0	238.7	238.0
40°	248.6	247.8	248.6	249.7	251.5	253.7	256.5	257.2	258.6	260.0	258.3
42.5°	272.1	271.6	273.3	274.2	276.4	278.7	282.2	284.1	286.1	287.1	285.7
45°	303.0	303.0	304.8	305.1	308.4	311.4	316.4	318.7	322.6	322.6	322.6
47.5°	337.1	338.5	339.7	342.0	344.4	350.0	354.9	360.0	363.8	364.3	363.5
50°	372.5	373.9	377.3	380.7	385.8	392.7	398.1	404.9	408.2	411.0	410.0
52.5°	411.4	411.7	415.9	420.1	427.6	435.4	444.0	451.0	456.8	459.4	457.3
55°	454.2	454.7	458.5	462.9	471.4	480.2	491.0	498.2	505.7	510.4	506.9
57.5°	500.6	500.8	504.6	510.0	520.0	528.8	539.2	549.4	556.5	560.7	558.3
60°	551.7	552.9	555.7	562.5	572.1	581.5	591.7	600.8	609.0	613.5	611.2
62.5°	606.5	607.6	611.6	617.0	625.4	635.7	645.5	657.2	664.0	668.9	665.4
65°	643.2	645.3	651.6	658.9	671.3	684.6	696.0	711.9	720.1	726.0	722.7
67.5°	645.5	646.7	654.4	665.4	682.0	702.1	725.5	750.2	766.4	774.1	768.5
69°	629.6	631.3	638.7	651.2	669.6	692.9	720.8	751.6	776.5	787.9	782.5
70°	611.6	615.2	623.3	636.8	654.9	679.4	708.2	741.1	770.1	785.8	781.9
72.5°	573.8	574.7	580.1	590.8	604.6	624.9	652.1	683.2	710.7	733.2	736.5
75°	509.2	512.3	516.2	523.4	530.5	545.2	563.4	584.7	600.8	618.1	618.9
77.5°	384.8	394.0	397.0	398.6	401.7	413.4	429.2	447.7	461.0	463.8	463.4
80°	172.7	184.9	187.7	201.0	209.2	228.7	252.9	281.3	300.2	302.3	297.1
82.5°	33.9	36.3	42.3	52.8	72.0	83.4	99.3	119.3	137.5	148.0	141.7
85°	11.3	11.9	13.8	15.2	17.5	19.9	24.1	30.0	37.2	41.1	36.7
87.5°	4.5	4.5	5.1	5.6	6.0	6.0	6.0	5.6	5.4	4.5	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0
2.5°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7
5°	119.3	119.0	119.0	118.8	118.8	118.8	118.8	118.8
7.5°	122.7	122.5	122.2	122.5	122.2	122.2	122.2	122.2
10°	128.1	127.6	127.4	127.2	127.2	127.2	127.0	127.0
12.5°	134.4	134.4	134.2	134.0	133.5	133.8	133.5	133.0
15°	143.1	142.6	142.4	142.1	141.7	141.7	141.7	141.5
17.5°	151.7	151.3	151.3	150.6	150.3	150.3	150.3	150.6
20°	161.3	160.7	160.2	159.7	159.3	159.4	159.0	159.4
22.5°	170.9	170.0	169.5	168.8	168.1	168.1	167.9	167.4
25°	180.3	179.1	178.6	178.0	177.0	177.0	176.6	176.1
27.5°	189.1	188.0	187.5	186.1	185.2	184.9	184.5	184.2
30°	199.0	197.6	196.8	195.4	194.0	193.9	193.1	193.1
32.5°	209.2	207.8	207.4	205.3	204.1	204.1	203.6	203.2
35°	222.1	220.0	219.5	217.4	215.8	215.8	215.4	215.5
37.5°	237.3	235.6	234.0	232.4	230.5	230.3	229.9	229.4
40°	257.7	255.8	253.9	251.5	250.0	249.5	248.7	248.6
42.5°	284.7	282.9	279.2	277.3	275.6	274.2	274.0	273.8
45°	319.4	317.0	314.4	311.0	308.8	305.8	305.3	304.2
47.5°	361.0	356.6	352.1	349.0	345.8	342.2	341.6	339.7
50°	405.2	401.7	394.1	389.3	384.1	380.7	378.3	377.6
52.5°	452.7	446.0	438.6	432.1	424.6	419.9	415.7	414.5
55°	502.2	492.8	483.5	475.8	468.3	462.7	458.7	456.8
57.5°	551.7	541.5	531.2	522.8	516.5	509.2	505.2	504.3
60°	603.4	593.6	583.1	574.7	567.0	560.7	558.3	553.9
62.5°	658.1	647.8	638.1	629.9	620.0	615.6	611.6	609.0
65°	711.9	700.0	687.6	679.0	669.1	662.8	657.9	654.4
67.5°	753.5	735.5	718.9	704.5	691.1	681.3	675.0	671.7
69°	765.2	742.8	721.5	702.6	686.9	675.9	668.9	665.6
70°	763.8	739.1	715.6	694.9	677.8	666.1	659.4	653.2
72.5°	720.6	697.9	671.9	649.2	633.9	622.6	615.8	612.6
75°	614.9	599.7	581.0	563.4	552.2	545.7	537.3	537.5
77.5°	447.7	448.2	435.5	417.6	404.9	402.6	398.9	395.1
80°	277.8	255.5	241.0	221.7	207.4	195.0	189.6	178.0
82.5°	128.1	100.1	77.6	58.7	45.1	35.3	30.9	25.2
85°	28.6	21.8	18.0	14.5	12.4	11.4	9.4	8.7
87.5°	4.0	3.5	3.3	3.1	2.6	1.9	1.4	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)