

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P628848

Luminaire Tested: GWS-SA1A-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-740-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2254.3 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

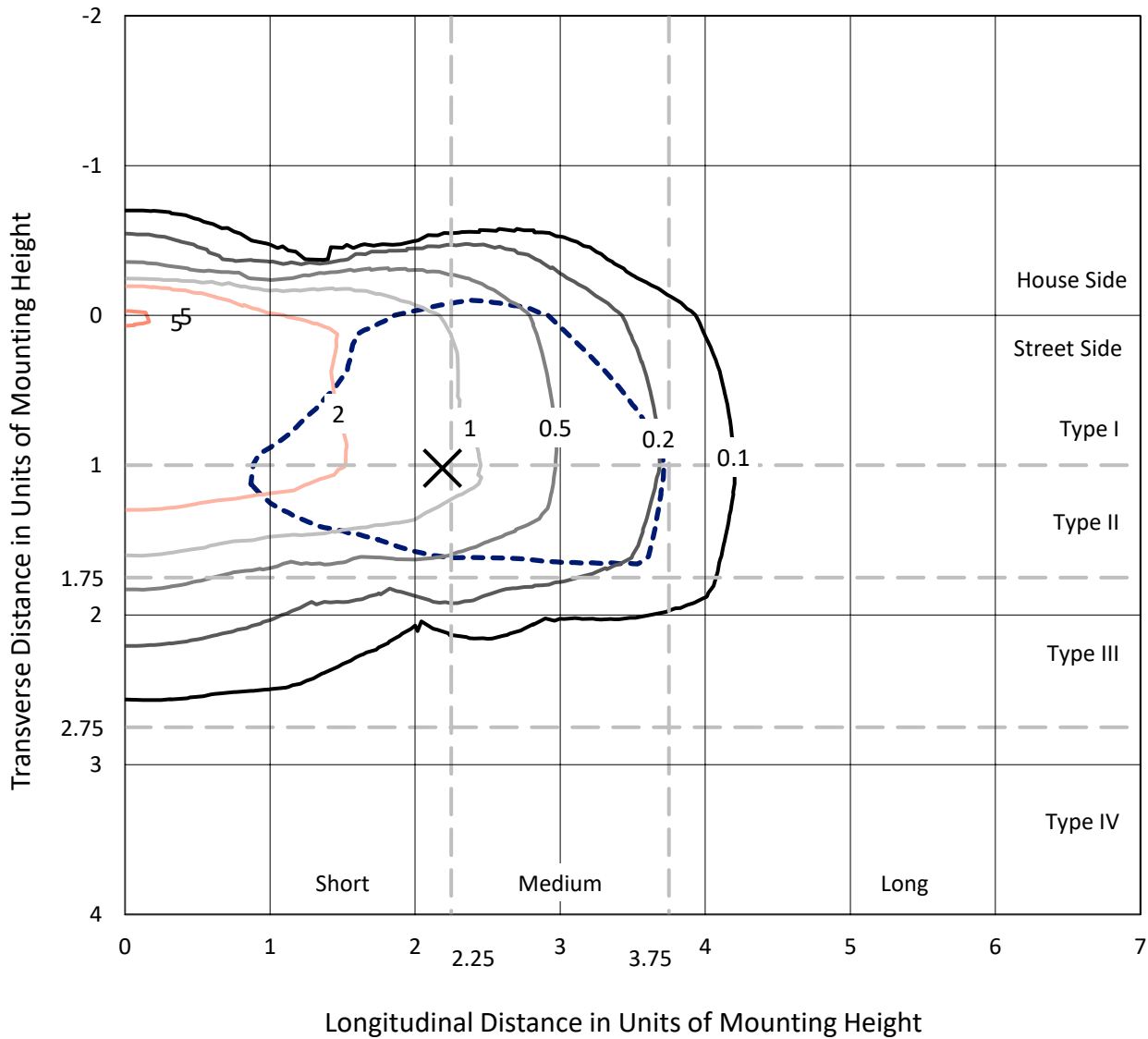
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

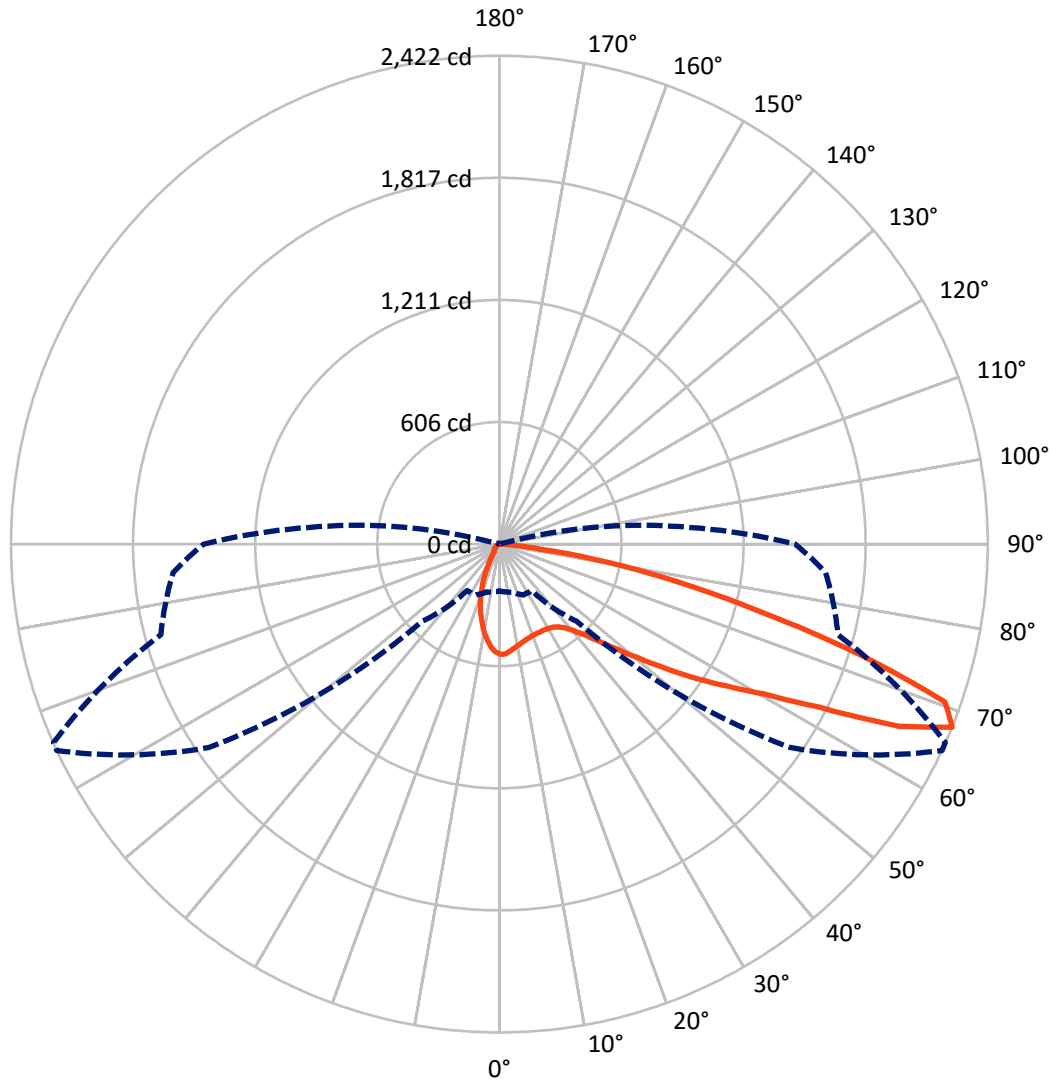
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	281.5	0.0	281.5
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	1972.8	0.0	1972.8
	% Fixture	87.5	0.0	87.5
Total	Lumens	2254.3	0.0	2254.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	2.0
10°-20°	102.1	4.5
20°-30°	145.9	6.5
30°-40°	212.2	9.4
40°-50°	332.4	14.7
50°-60°	518.5	23.0
60°-70°	569.5	25.3
70°-80°	303.1	13.4
80°-90°	25.2	1.1
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°	2254.3	100.0
0°-180°	2254.3	100.0

Coefficient of Utilization



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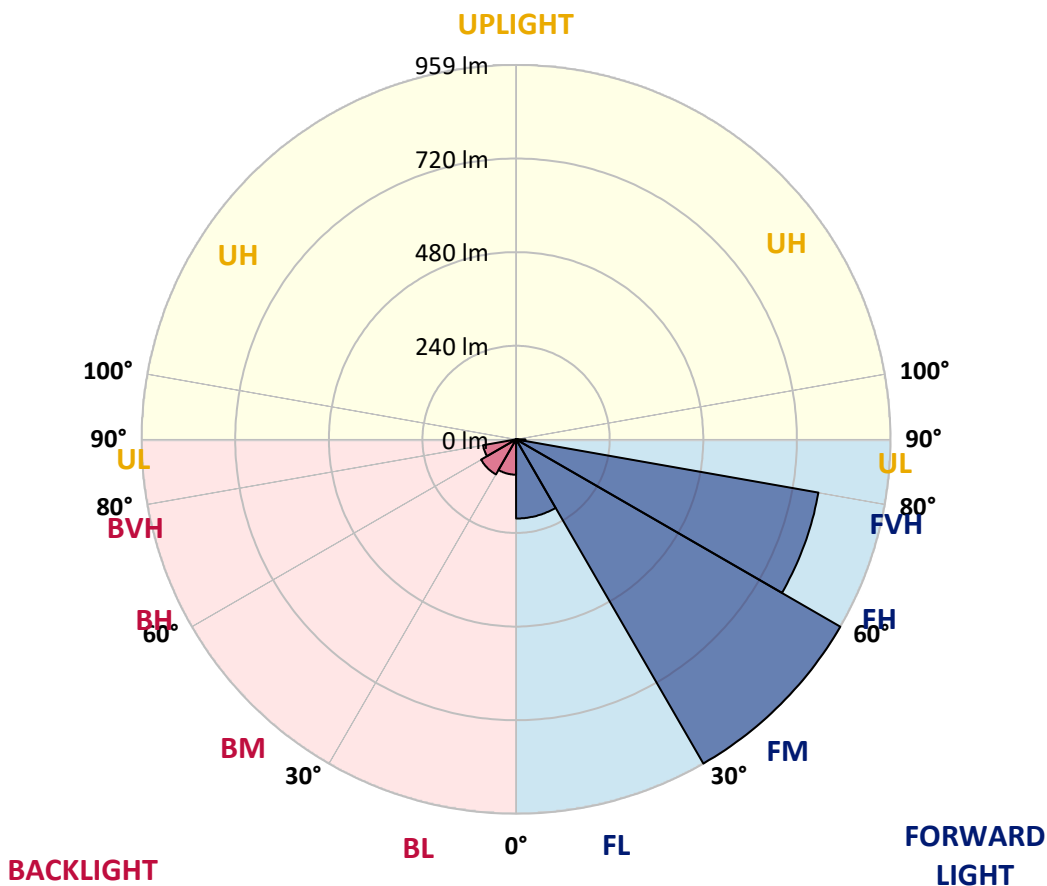
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.9	9.0			
FM (30°-60°)	959.4	42.6			
FH (60°-80°)	786.7	34.9			G1/1800
FVH (80°-90°)	23.9	1.1			G1/100
BL (0°-30°)	90.5	4.0	B0/110		
BM (30°-60°)	103.7	4.6	B0/220		
BH (60°-80°)	86.0	3.8	B0/110		G0/110
BVH (80°-90°)	1.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	546.7	546.7	546.7	546.7	546.7	546.7	546.7	546.7	546.7	546.7	546.7
2.5°	527.8	529.4	527.2	532.7	533.7	539.8	543.3	545.7	545.5	548.6	548.6
5°	496.8	498.4	497.2	503.1	507.8	517.4	525.3	534.5	534.9	544.3	547.8
7.5°	470.5	470.7	470.7	478.0	484.2	496.0	507.8	521.9	523.5	538.0	547.1
10°	448.9	449.5	449.7	458.1	464.8	479.1	494.1	511.1	512.9	532.5	546.7
12.5°	434.0	434.2	435.0	443.8	451.1	466.0	481.3	500.7	503.1	526.1	544.9
15°	426.9	426.5	426.9	434.2	441.5	455.8	471.5	492.3	495.0	520.8	545.1
17.5°	426.5	425.9	425.4	430.9	435.6	448.3	464.2	486.8	489.7	518.4	547.4
20°	432.4	432.0	429.9	432.4	433.4	443.8	459.5	482.5	485.4	518.0	552.2
22.5°	447.9	446.8	443.8	441.5	436.0	442.2	456.2	479.5	482.7	519.0	558.6
25°	470.9	470.5	466.6	461.1	447.1	444.6	456.4	479.5	482.5	520.2	565.3
27.5°	505.6	503.1	498.2	488.6	468.5	454.2	460.5	480.7	483.7	521.9	570.8
30°	540.8	540.6	539.0	529.2	499.2	472.5	469.1	484.0	486.8	523.3	575.9
32.5°	577.3	577.9	582.0	574.5	541.6	499.9	484.6	490.7	492.7	526.1	580.4
35°	612.0	613.2	624.0	626.6	593.2	541.2	509.8	504.1	504.3	532.5	586.3
37.5°	645.2	649.3	666.6	679.4	657.4	591.4	546.3	527.0	525.3	545.1	595.3
40°	682.9	690.7	712.5	734.3	727.4	657.6	596.1	562.0	558.6	568.3	611.4
42.5°	724.7	733.1	762.0	792.6	795.8	737.8	658.2	613.2	607.3	607.5	641.5
45°	769.6	780.8	814.4	858.4	878.2	827.0	734.9	682.3	676.4	667.6	690.0
47.5°	828.5	838.3	870.7	921.4	959.3	922.9	835.4	771.2	760.4	747.5	765.5
50°	879.2	887.8	915.7	979.3	1058.2	1046.4	949.4	882.3	871.9	850.1	865.0
52.5°	890.4	897.2	922.9	994.4	1133.8	1202.3	1089.0	1016.6	1009.3	968.9	974.6
55°	840.1	850.3	873.3	952.8	1153.6	1354.8	1270.2	1168.1	1152.8	1088.4	1098.6
57.5°	712.9	731.0	752.6	856.0	1100.0	1436.0	1523.4	1328.5	1314.7	1203.4	1203.6
60°	522.5	537.2	551.6	646.2	972.8	1430.4	1753.2	1508.7	1483.5	1297.3	1293.9
62.5°	380.0	387.5	387.3	421.0	668.0	1336.3	1873.8	1780.3	1721.4	1397.8	1378.1
65°	298.9	298.6	307.4	318.4	373.1	1031.5	1888.7	2176.8	2113.2	1532.6	1491.4
67.5°	232.6	237.1	245.8	278.3	280.3	539.8	1757.8	2422.0	2420.8	1738.3	1624.1
70°	179.4	185.5	197.9	245.2	258.9	302.1	1315.3	2344.3	2364.1	1830.2	1530.1
72.5°	115.2	114.8	133.1	198.1	248.7	251.8	727.4	1862.2	1884.6	1657.7	1237.2
75°	64.4	64.8	75.2	121.3	231.8	236.9	360.2	1327.9	1345.6	1292.4	950.6
77.5°	25.3	26.1	35.3	63.8	152.9	211.6	214.0	905.5	908.2	800.9	583.0
80°	10.2	10.8	17.9	39.5	93.2	142.5	152.9	533.5	522.7	310.1	169.6
82.5°	3.1	3.3	7.1	22.4	48.7	101.3	103.2	204.7	193.3	66.7	43.2
85°	0.2	0.2	1.6	6.9	17.3	25.5	68.7	66.7	59.1	16.7	19.2
87.5°	0.0	0.0	0.2	0.2	0.4	0.8	7.3	12.2	12.4	3.1	8.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	546.7	546.7	546.7	546.7	546.7	546.7	546.7	546.7	546.7	546.7	546.7
2.5°	548.6	541.2	540.6	534.9	529.2	522.1	513.7	507.6	503.3	495.8	494.3
5°	547.8	538.0	528.8	512.5	494.3	474.8	457.7	441.8	431.8	425.0	422.2
7.5°	546.1	533.7	512.5	481.7	451.3	417.1	390.4	365.9	349.2	339.4	335.1
10°	544.9	528.2	493.7	447.1	400.0	352.7	312.1	275.8	255.6	239.7	237.1
12.5°	542.5	520.2	469.7	406.5	345.7	283.0	231.2	186.7	155.9	142.1	137.2
15°	540.0	511.9	445.6	363.7	286.6	209.2	146.4	103.6	82.4	75.8	75.4
17.5°	539.6	504.3	419.5	323.1	224.6	137.0	83.4	67.1	62.6	61.0	61.0
20°	540.8	498.0	393.8	276.4	163.7	83.4	62.2	58.1	55.4	54.0	54.0
22.5°	542.1	491.5	369.2	229.3	108.7	61.0	54.8	51.4	48.3	46.7	45.9
25°	542.9	484.4	341.9	182.0	70.9	53.0	48.1	43.6	40.0	37.9	37.9
27.5°	542.7	475.8	314.3	135.8	55.0	47.1	41.2	36.5	32.8	30.6	30.8
30°	541.0	466.4	285.8	94.8	48.1	41.2	35.3	30.4	26.7	24.9	24.7
32.5°	539.8	456.4	252.8	66.7	43.2	36.1	30.0	25.3	22.2	20.8	20.6
35°	538.4	446.6	221.4	50.8	38.9	31.2	25.3	21.4	19.0	17.7	17.7
37.5°	538.8	436.5	187.3	43.6	34.7	27.1	21.6	18.3	16.3	15.1	14.9
40°	545.1	430.3	153.9	39.5	30.8	23.4	18.8	15.9	13.9	12.6	12.4
42.5°	560.8	430.5	121.9	36.5	27.3	20.0	16.3	13.7	11.8	10.4	10.2
45°	592.2	439.1	93.6	33.2	23.6	17.3	14.1	11.6	9.8	8.6	8.4
47.5°	643.6	464.6	70.9	30.4	20.6	15.1	12.0	9.8	8.2	7.1	6.9
50°	725.3	510.7	55.9	26.9	17.3	13.0	10.2	8.2	6.7	5.7	5.5
52.5°	823.6	579.8	47.9	23.9	14.9	11.4	8.8	6.7	5.5	4.7	4.5
55°	936.5	662.3	44.2	20.8	12.6	9.8	7.1	5.5	4.5	3.9	3.5
57.5°	1040.1	736.7	44.0	17.7	10.8	8.4	5.9	4.7	3.9	3.1	2.9
60°	1141.0	798.9	41.4	14.7	9.4	6.9	5.1	3.9	3.3	2.7	2.4
62.5°	1232.5	849.5	34.7	11.8	8.0	5.7	4.3	3.5	2.9	2.2	2.2
65°	1347.5	913.9	26.5	9.6	6.5	4.7	3.7	3.1	2.7	2.0	2.0
67.5°	1466.3	947.9	19.0	8.0	5.3	4.1	3.3	2.9	2.2	1.8	1.8
70°	1328.1	800.9	13.7	6.5	4.5	3.5	2.9	2.7	2.2	1.8	1.6
72.5°	1037.2	577.5	10.2	5.1	3.9	3.3	2.7	2.4	2.0	1.6	1.6
75°	769.1	336.8	7.7	4.1	3.1	2.7	2.7	2.4	2.0	1.6	1.4
77.5°	418.1	117.4	5.9	3.3	2.4	2.0	2.2	2.2	1.8	1.4	1.2
80°	110.7	32.2	4.1	2.4	2.0	1.6	1.6	2.0	1.6	1.2	1.2
82.5°	32.2	9.4	2.9	2.0	1.6	1.4	1.4	1.4	1.2	1.0	0.8
85°	15.7	3.5	2.0	1.6	1.4	1.2	1.0	1.0	0.8	0.6	0.6
87.5°	6.9	1.4	1.6	1.4	1.4	1.0	0.8	0.6	0.6	0.4	0.2
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)