

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: P629472

Luminaire Tested: GWS-SA1B-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2708.5 lumens
Efficiency: N/A
Efficacy: 108.3 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

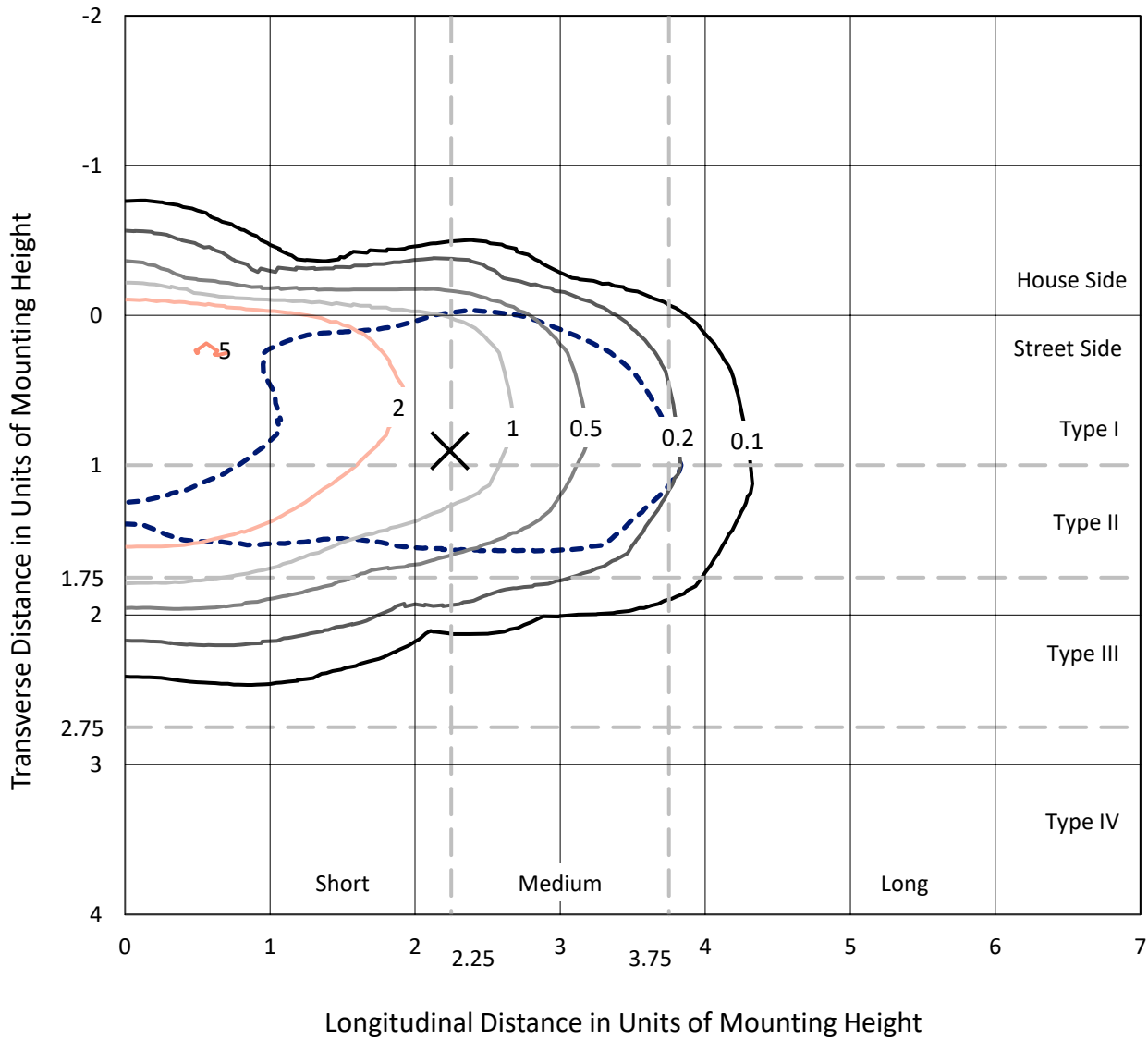
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

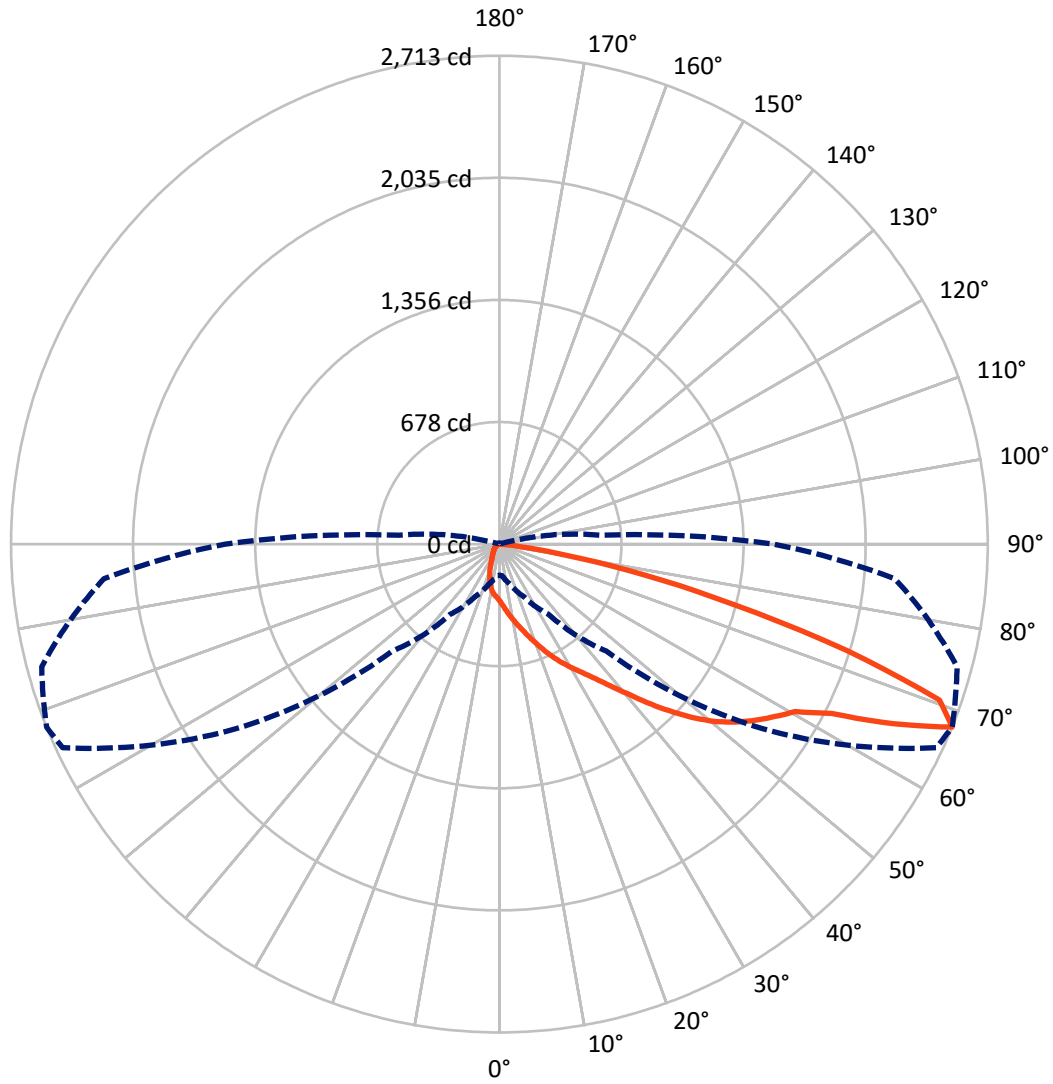
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	195.6	0.0	195.6
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	2512.9	0.0	2512.9
	% Fixture	92.8	0.0	92.8
Total	Lumens	2708.5	0.0	2708.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	1.1
10°-20°	88.3	3.3
20°-30°	151.7	5.6
30°-40°	263.8	9.7
40°-50°	460.2	17.0
50°-60°	694.2	25.6
60°-70°	696.1	25.7
70°-80°	307.1	11.3
80°-90°	16.4	0.6
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°	2708.5	100.0
0°-180°	2708.5	100.0

Coefficient of Utilization



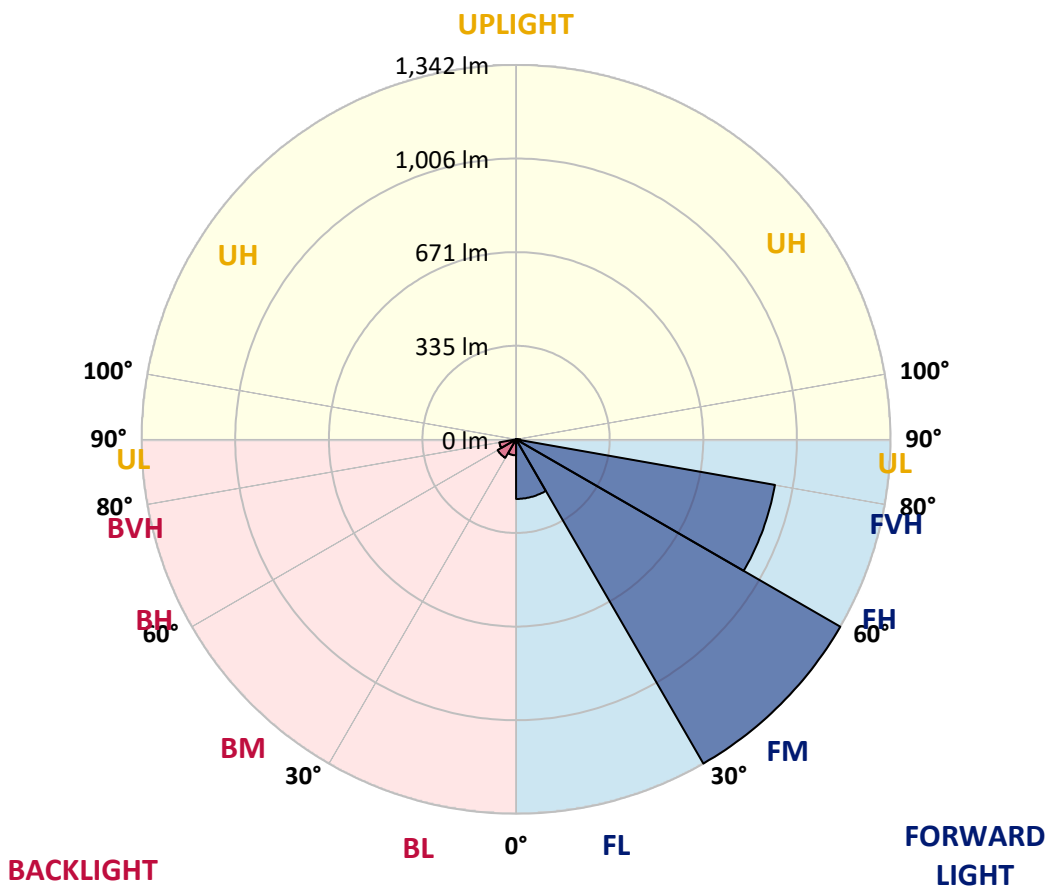
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.5	7.9			
FM (30°-60°)	1341.8	49.5			
FH (60°-80°)	942.1	34.8			G1/1800
FVH (80°-90°)	15.5	0.6			G1/100
BL (0°-30°)	57.2	2.1	B0/110		
BM (30°-60°)	76.4	2.8	B0/220		
BH (60°-80°)	61.0	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			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°	68°	75°	85°
0°	315.2	315.2	315.2	315.2	315.2	315.2	315.2	315.2	315.2	315.2	315.2
2.5°	367.0	369.4	367.0	367.6	360.8	357.7	351.0	341.6	339.3	333.3	324.3
5°	411.9	414.0	411.6	411.1	403.3	397.6	386.5	370.4	365.7	354.1	336.2
7.5°	436.3	437.5	438.3	439.6	436.8	432.1	422.0	402.0	397.1	378.2	353.0
10°	438.8	439.9	443.8	451.5	457.2	460.1	454.4	436.0	428.2	409.8	373.8
12.5°	431.6	433.1	439.4	452.3	468.1	482.7	486.3	470.2	463.2	439.6	398.1
15°	422.0	423.3	431.8	449.5	473.3	500.0	515.1	508.1	500.3	475.7	425.1
17.5°	407.2	409.0	421.0	444.8	475.7	513.8	546.2	548.5	543.0	516.3	454.9
20°	398.9	400.2	410.8	435.5	474.1	523.9	575.2	597.2	591.3	563.3	489.1
22.5°	405.9	407.0	414.0	433.1	468.9	529.6	602.1	646.0	642.6	613.6	525.2
25°	442.7	446.1	442.0	445.3	471.2	532.7	623.9	694.7	695.5	666.2	562.5
27.5°	517.4	513.0	503.1	486.3	489.4	541.0	642.6	740.6	747.3	717.5	595.7
30°	593.3	590.7	584.8	558.6	536.8	559.4	658.4	787.5	798.1	768.0	625.2
32.5°	678.6	681.2	670.6	639.2	602.1	596.7	674.7	832.1	852.0	825.3	660.0
35°	780.5	781.3	760.3	725.5	683.5	658.4	704.0	881.3	918.1	898.4	706.3
37.5°	879.8	884.4	873.0	818.3	781.0	735.1	752.5	944.6	996.4	988.6	764.7
40°	967.6	974.9	971.3	918.4	869.4	830.8	827.7	1018.7	1091.0	1099.8	841.7
42.5°	1037.6	1042.3	1045.1	1007.6	964.3	942.5	920.5	1104.8	1202.7	1238.8	936.0
45°	1111.5	1113.1	1119.0	1093.6	1055.8	1057.6	1030.1	1209.2	1320.4	1392.7	1044.4
47.5°	1205.6	1210.8	1207.9	1181.2	1147.0	1167.5	1143.4	1316.8	1436.5	1557.1	1155.3
50°	1320.2	1325.6	1323.0	1291.9	1253.8	1262.4	1247.3	1421.3	1548.5	1712.1	1247.6
52.5°	1379.3	1383.7	1415.8	1429.8	1409.8	1355.4	1336.0	1536.1	1643.1	1839.6	1332.3
55°	1350.7	1353.9	1423.8	1482.9	1556.0	1501.6	1425.1	1624.7	1726.6	1939.2	1395.3
57.5°	1232.5	1249.4	1344.5	1444.6	1598.3	1646.0	1569.8	1721.2	1807.0	2008.4	1457.3
60°	990.2	989.4	1125.8	1305.4	1515.9	1685.6	1774.0	1851.5	1887.6	2061.5	1540.2
62.5°	547.2	552.1	733.6	970.2	1286.7	1583.0	1927.2	2076.8	2071.4	2154.3	1670.1
65°	272.4	282.3	380.8	555.7	856.2	1308.2	1953.7	2420.5	2405.0	2372.8	1938.4
67.5°	172.9	176.8	231.2	323.0	475.9	840.9	1789.1	2676.9	2712.9	2632.0	2204.6
70°	112.0	118.5	160.7	220.8	287.2	433.4	1310.6	2510.7	2593.4	2603.5	2038.7
72.5°	60.9	65.6	102.6	157.6	207.4	216.7	736.2	1884.2	2017.2	2208.5	1594.9
75°	34.7	38.1	56.2	107.1	152.2	131.9	326.3	1261.3	1346.1	1578.3	1142.9
77.5°	21.0	23.8	31.6	52.1	95.4	88.1	123.4	767.8	821.7	941.7	599.8
80°	9.6	11.4	20.0	28.8	52.1	41.7	47.2	358.0	369.6	386.5	198.6
82.5°	4.4	5.2	9.1	17.1	29.6	24.1	18.1	82.7	116.4	110.2	50.5
85°	0.5	0.5	3.4	7.0	8.3	6.2	7.5	18.7	23.6	33.2	14.5
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	1.6	2.3	3.4	5.4	3.6
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°	315.2	315.2	315.2	315.2	315.2	315.2	315.2	315.2	315.2	315.2	315.2
2.5°	320.1	312.9	306.4	296.8	290.3	283.1	278.1	272.2	269.8	268.0	265.4
5°	327.4	315.7	299.9	282.3	267.8	254.0	241.3	233.0	225.8	224.7	221.1
7.5°	339.3	321.9	295.2	266.5	241.8	219.0	201.1	186.6	179.4	177.0	172.9
10°	355.1	331.3	288.2	244.2	208.7	181.4	161.2	144.9	133.5	129.3	126.2
12.5°	372.7	339.8	277.1	216.7	176.3	145.2	119.5	102.1	94.9	92.3	89.9
15°	393.0	347.9	259.5	189.2	144.6	106.8	88.7	81.1	78.0	77.2	76.5
17.5°	412.4	353.0	238.5	160.7	111.2	82.9	74.4	71.5	70.8	70.0	69.5
20°	434.4	356.7	213.8	133.8	86.3	70.2	66.1	64.0	62.5	60.9	60.7
22.5°	457.0	356.7	187.2	107.3	72.3	63.0	58.3	54.4	51.6	50.0	49.5
25°	478.5	351.7	160.7	85.8	63.8	56.0	50.0	45.6	41.7	39.9	39.4
27.5°	493.8	339.0	137.6	72.6	57.8	49.8	42.5	37.6	34.5	32.7	32.4
30°	503.4	320.1	116.4	64.8	52.6	43.3	36.0	31.9	29.6	28.3	27.7
32.5°	510.6	296.8	97.5	59.4	47.7	37.6	31.4	28.0	25.9	24.9	24.6
35°	525.2	274.8	83.5	54.4	42.5	32.9	27.5	24.9	23.3	22.0	21.8
37.5°	545.4	256.4	72.3	50.0	37.6	29.3	24.9	22.6	21.3	20.0	19.7
40°	575.2	244.7	64.0	45.6	33.2	26.4	22.8	20.7	18.9	17.6	17.4
42.5°	621.1	239.3	58.6	41.2	29.3	23.8	21.0	18.4	16.6	15.3	15.0
45°	675.8	242.1	53.9	36.8	26.7	22.0	18.7	16.1	14.3	13.0	12.7
47.5°	734.3	252.2	50.0	32.7	24.1	20.2	16.6	13.7	12.2	10.9	10.6
50°	795.5	268.8	46.7	28.8	22.0	18.1	14.3	11.9	10.4	9.3	9.1
52.5°	848.7	291.4	43.3	25.9	20.2	16.1	12.4	10.4	8.8	7.8	7.5
55°	899.5	312.6	40.7	23.3	18.1	14.0	10.9	8.8	7.5	6.5	6.2
57.5°	954.7	335.2	37.6	21.0	16.3	12.4	9.6	7.5	6.5	5.4	5.2
60°	1035.0	368.6	32.9	19.2	14.3	10.9	8.3	6.7	5.7	4.4	4.1
62.5°	1150.9	429.5	27.7	16.6	12.2	9.3	7.0	5.7	4.7	3.6	3.1
65°	1367.6	533.2	22.8	13.7	9.9	7.8	6.0	4.7	3.6	2.6	2.3
67.5°	1523.6	560.2	18.4	11.1	8.0	6.0	4.9	3.6	2.6	1.8	1.6
70°	1332.1	402.3	14.3	9.1	6.7	4.7	3.9	2.9	1.8	1.3	1.0
72.5°	1003.7	262.8	10.6	7.0	5.2	3.9	2.9	2.3	1.6	1.0	0.8
75°	707.4	151.9	7.8	5.2	3.6	2.9	2.3	1.8	1.3	0.8	0.8
77.5°	362.6	62.7	5.4	3.6	2.6	1.8	1.6	1.0	1.0	0.8	0.5
80°	110.2	20.7	3.1	2.3	1.8	1.3	0.8	0.8	0.8	0.5	0.3
82.5°	25.1	6.7	1.8	1.8	1.3	1.0	0.8	0.3	0.3	0.0	0.0
85°	6.5	2.1	1.6	1.3	1.3	1.0	0.5	0.3	0.0	0.0	0.0
87.5°	2.3	1.3	1.3	1.3	1.0	0.8	0.5	0.0	0.0	0.0	0.0
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)