

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: P628931

Luminaire Tested: GWS-SA1A-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2910.9 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

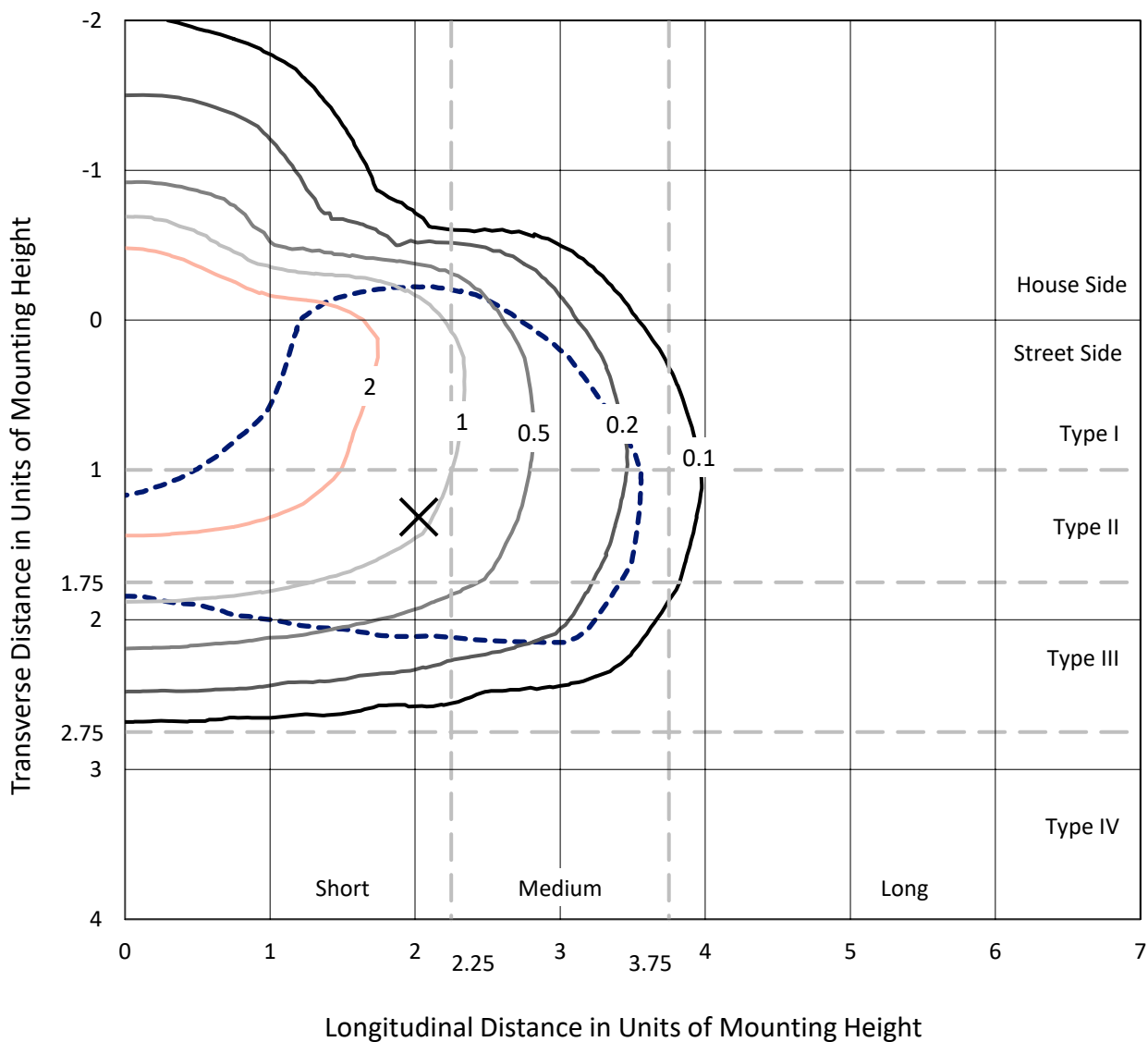
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

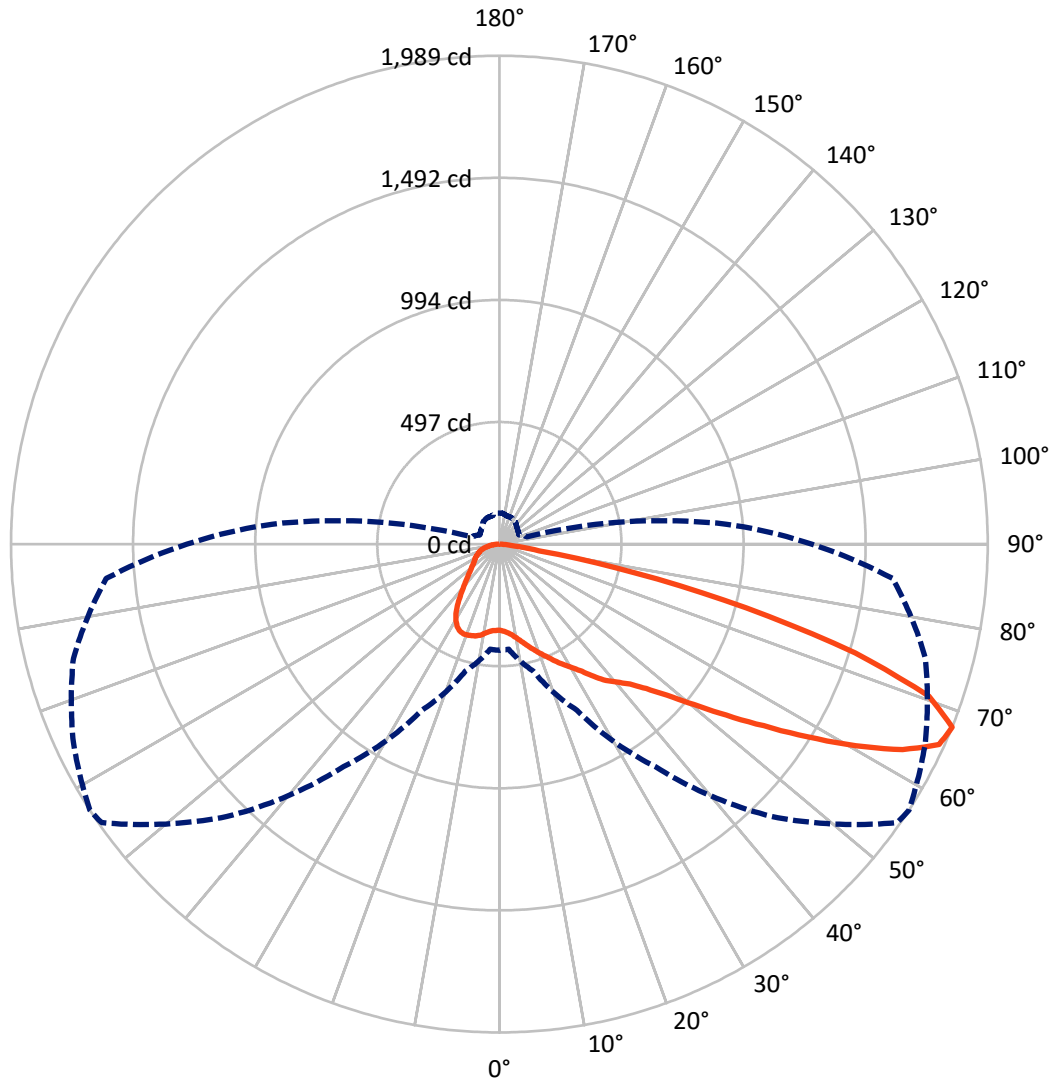
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	640.0	0.0	640.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2270.9	0.0	2270.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	2910.9	0.0	2910.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	1.2
10°-20°	115.2	4.0
20°-30°	205.3	7.1
30°-40°	298.5	10.3
40°-50°	432.0	14.8
50°-60°	676.1	23.2
60°-70°	788.7	27.1
70°-80°	329.2	11.3
80°-90°	31.1	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°	2910.9	100.0
0°-180°	2910.9	100.0

Coefficient of Utilization



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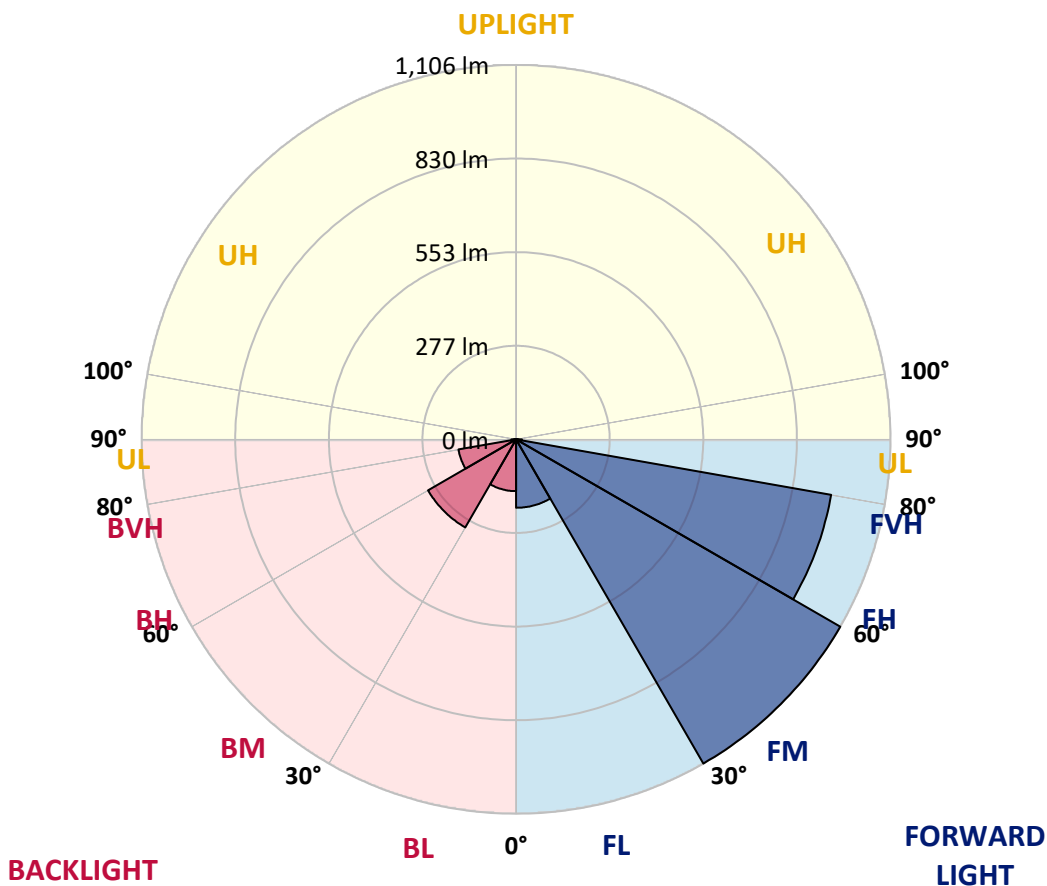
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.2	6.9			
FM (30°-60°)	1106.2	38.0			
FH (60°-80°)	945.2	32.5			G1/1800
FVH (80°-90°)	17.3	0.6			G1/100
BL (0°-30°)	153.1	5.3	B1/500		
BM (30°-60°)	300.4	10.3	B1/1000		
BH (60°-80°)	172.7	5.9	B1/500		G1/500
BVH (80°-90°)	13.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7
2.5°	355.7	355.3	355.1	356.4	356.0	355.7	355.7	355.5	355.1	353.5	351.2
5°	365.5	364.7	363.9	364.9	364.1	363.3	363.0	362.6	361.2	358.7	355.1
7.5°	375.8	374.9	375.1	375.8	375.1	374.7	374.1	373.7	371.4	367.4	362.6
10°	390.2	390.2	390.6	391.2	391.4	390.8	389.5	388.9	386.2	381.2	374.5
12.5°	411.0	410.6	410.6	410.2	410.8	410.2	408.9	407.9	404.5	398.1	388.5
15°	438.5	436.9	435.4	432.7	431.9	429.6	430.0	429.4	426.2	417.5	405.4
17.5°	467.9	467.7	465.4	460.0	454.6	450.8	451.7	451.5	449.8	437.9	422.5
20°	493.8	494.8	492.8	488.6	481.3	474.2	473.8	474.8	472.7	460.8	439.4
22.5°	522.8	521.9	519.9	514.4	509.0	501.5	499.0	498.2	497.3	483.8	456.7
25°	550.3	552.8	550.1	545.1	536.8	528.6	526.5	527.4	525.1	507.1	475.2
27.5°	585.1	586.2	584.5	577.6	570.5	559.1	555.1	555.1	554.3	529.0	489.8
30°	622.2	625.2	622.2	616.6	609.3	592.8	584.3	583.5	581.0	551.6	506.9
32.5°	659.6	661.7	659.6	654.2	645.8	631.4	619.1	617.2	613.9	576.2	524.4
35°	692.7	694.6	694.2	695.4	688.6	670.4	662.9	662.1	653.3	608.3	548.2
37.5°	729.0	731.3	728.2	730.7	728.0	710.9	708.6	704.4	691.9	638.5	573.2
40°	770.3	772.4	767.4	768.4	765.3	755.7	744.0	738.4	719.8	671.3	612.7
42.5°	814.5	819.3	821.6	819.7	812.4	807.0	786.6	779.5	764.0	730.3	677.5
45°	878.5	885.6	889.0	884.2	881.0	873.3	848.3	839.7	831.6	813.5	768.0
47.5°	947.5	954.0	964.6	966.7	969.2	963.4	928.2	919.8	921.3	919.2	879.4
50°	1002.6	1008.0	1032.0	1057.7	1078.9	1080.6	1035.5	1026.6	1034.5	1041.2	1013.4
52.5°	1042.6	1047.4	1079.1	1132.1	1180.3	1215.9	1167.3	1157.1	1163.6	1178.6	1165.9
55°	1075.2	1081.8	1115.0	1196.3	1293.7	1350.0	1318.9	1306.0	1303.3	1321.9	1329.2
57.5°	1092.3	1094.4	1140.9	1246.6	1376.9	1481.6	1495.1	1480.5	1454.7	1464.9	1502.9
60°	1053.3	1056.8	1120.4	1259.5	1442.6	1612.1	1680.1	1668.0	1613.0	1618.6	1660.5
62.5°	945.5	950.5	1027.0	1198.0	1448.0	1699.3	1850.9	1843.2	1769.4	1738.9	1751.4
65°	758.4	760.1	839.3	1045.8	1340.2	1710.1	1970.0	1968.1	1878.6	1807.3	1753.7
67.5°	432.5	429.6	535.5	745.9	1106.0	1569.2	1977.7	1988.7	1914.1	1796.0	1607.7
70°	187.5	187.9	236.7	368.1	715.9	1268.3	1836.9	1855.9	1811.5	1608.6	1279.1
72.5°	86.7	88.0	109.1	159.3	305.7	786.8	1497.9	1515.0	1476.8	1287.5	930.7
75°	61.3	62.3	72.8	91.3	140.5	306.5	1002.0	1037.8	1056.4	963.0	613.3
77.5°	46.5	48.0	53.2	63.4	86.7	108.6	479.4	564.9	672.9	599.1	315.9
80°	29.6	29.6	35.2	42.3	53.0	56.5	138.5	164.1	329.3	246.9	124.1
82.5°	20.0	20.6	24.0	26.9	30.4	32.1	59.4	63.4	95.1	84.0	51.1
85°	10.6	11.1	12.5	12.3	14.6	12.7	25.0	24.8	34.8	38.2	19.4
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	2.7	2.9	7.3	11.7	6.5
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°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7
2.5°	352.4	349.9	351.2	350.7	352.0	352.0	349.7	349.1	349.3	346.8	345.9
5°	355.5	352.6	353.2	352.4	353.7	354.7	353.7	353.7	354.9	353.0	352.0
7.5°	362.6	359.3	359.3	358.3	359.7	360.5	359.7	361.0	363.3	361.4	360.3
10°	373.9	369.9	370.1	368.9	369.5	369.1	365.8	364.7	365.3	363.7	362.8
12.5°	388.5	383.1	383.1	380.6	379.1	374.7	367.8	365.3	365.8	364.3	363.7
15°	402.5	397.5	396.4	391.4	384.7	376.6	370.3	368.7	369.1	367.6	366.6
17.5°	418.9	412.5	408.7	399.5	387.2	378.9	372.6	368.7	365.3	362.0	361.2
20°	434.2	426.0	419.1	405.0	389.9	378.5	366.8	357.0	348.9	344.5	343.4
22.5°	449.8	439.4	427.3	408.7	389.7	371.0	349.5	334.7	322.6	316.1	317.4
25°	464.6	451.5	435.0	412.3	383.1	354.3	325.1	303.0	289.2	284.2	282.8
27.5°	476.9	460.6	442.1	410.6	369.3	330.3	291.7	267.1	253.8	248.1	246.7
30°	490.7	472.3	452.3	402.9	347.6	296.7	254.0	234.0	224.4	219.0	219.2
32.5°	506.5	487.3	466.7	388.1	319.9	260.5	222.9	209.2	201.4	196.0	195.2
35°	527.8	508.8	476.3	365.8	284.6	227.1	201.6	190.4	180.8	173.7	172.2
37.5°	554.1	541.1	477.3	335.9	246.9	204.1	186.4	174.3	162.7	153.3	152.2
40°	599.1	584.3	468.8	298.6	214.8	189.3	173.7	159.7	146.2	135.8	134.3
42.5°	663.3	632.9	450.4	256.5	190.6	177.7	161.6	143.9	130.1	122.8	121.8
45°	745.1	687.1	422.9	216.9	172.7	166.2	148.9	130.3	123.0	117.8	116.8
47.5°	845.2	750.3	391.2	186.0	158.7	155.8	136.0	125.7	119.3	114.9	113.9
50°	964.9	830.8	365.1	161.8	146.2	143.7	131.8	123.0	117.8	114.3	113.4
52.5°	1101.4	920.2	352.4	144.5	135.3	132.8	130.3	122.4	118.0	115.3	114.3
55°	1243.2	1014.5	340.5	131.2	126.2	127.6	130.5	124.5	121.2	117.6	116.6
57.5°	1380.2	1102.9	311.3	120.7	119.5	125.1	131.6	126.6	122.6	119.1	117.8
60°	1474.7	1151.3	261.9	112.4	114.5	122.0	128.9	123.4	118.4	117.0	116.4
62.5°	1500.1	1145.4	203.3	103.8	108.4	115.1	121.8	118.2	113.0	115.3	115.5
65°	1440.7	1082.9	152.6	95.5	100.5	106.1	114.5	113.0	111.1	117.4	117.6
67.5°	1272.4	929.2	116.4	88.2	92.4	99.3	112.2	118.2	118.7	126.6	125.7
70°	962.8	694.2	91.1	81.3	86.1	99.3	119.5	122.2	117.2	124.5	122.8
72.5°	665.6	458.1	77.6	75.3	78.4	94.7	119.3	119.3	113.9	113.9	110.7
75°	413.5	269.4	67.6	67.6	67.6	82.8	115.9	109.9	100.3	95.9	93.4
77.5°	204.1	131.0	56.7	58.8	56.5	69.2	94.7	89.9	84.0	79.4	77.8
80°	87.2	65.5	45.9	48.2	45.5	52.1	75.1	74.0	68.4	62.3	60.5
82.5°	40.0	33.8	36.7	37.7	33.2	39.2	54.8	54.8	51.7	43.4	40.2
85°	17.1	17.9	25.4	25.4	20.9	22.1	29.4	27.9	25.0	20.4	18.8
87.5°	5.8	8.8	12.9	11.3	4.4	1.9	1.0	0.4	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)