

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: P628957

Luminaire Tested: GWS-SA1A-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2443.6 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

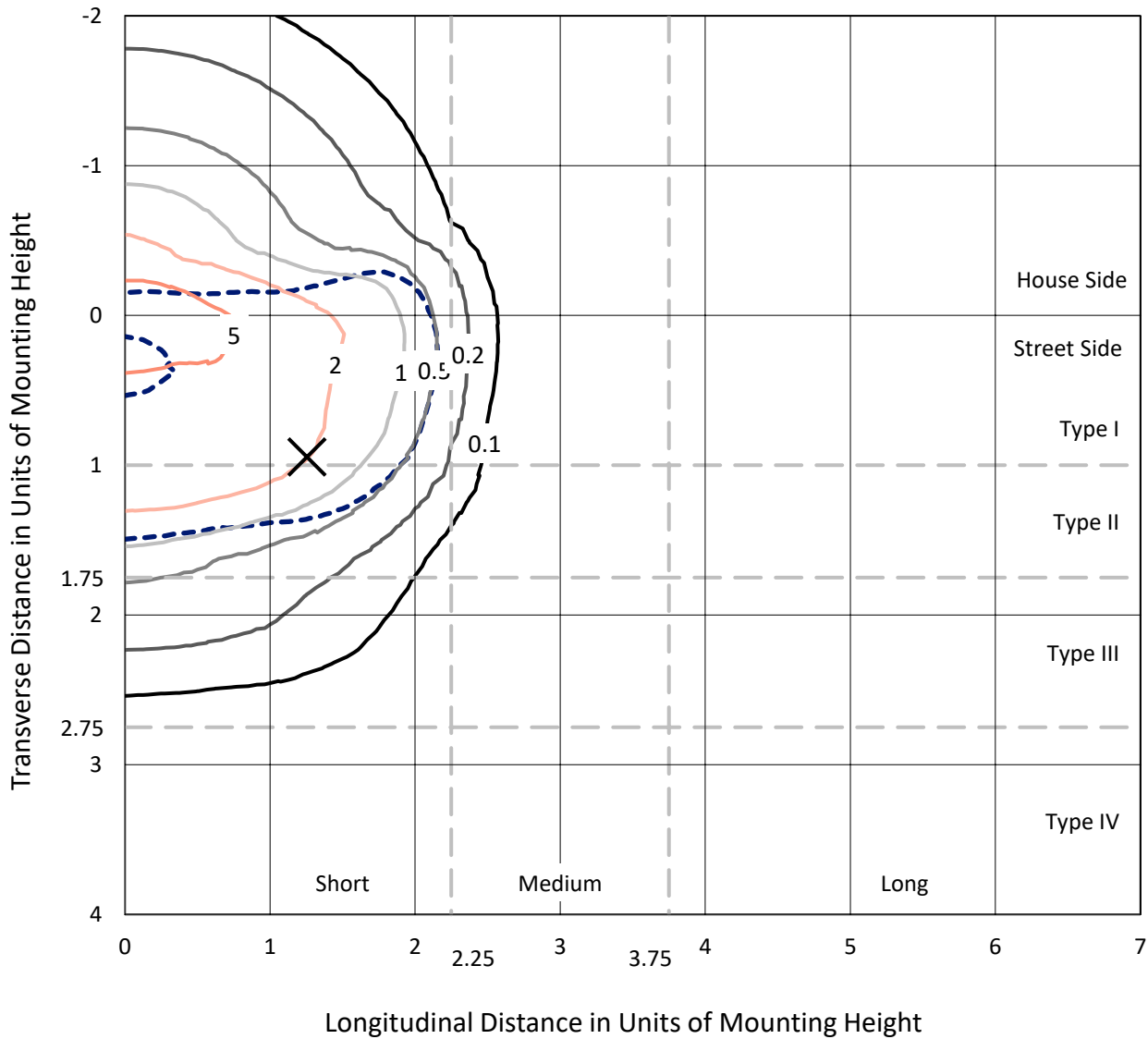
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

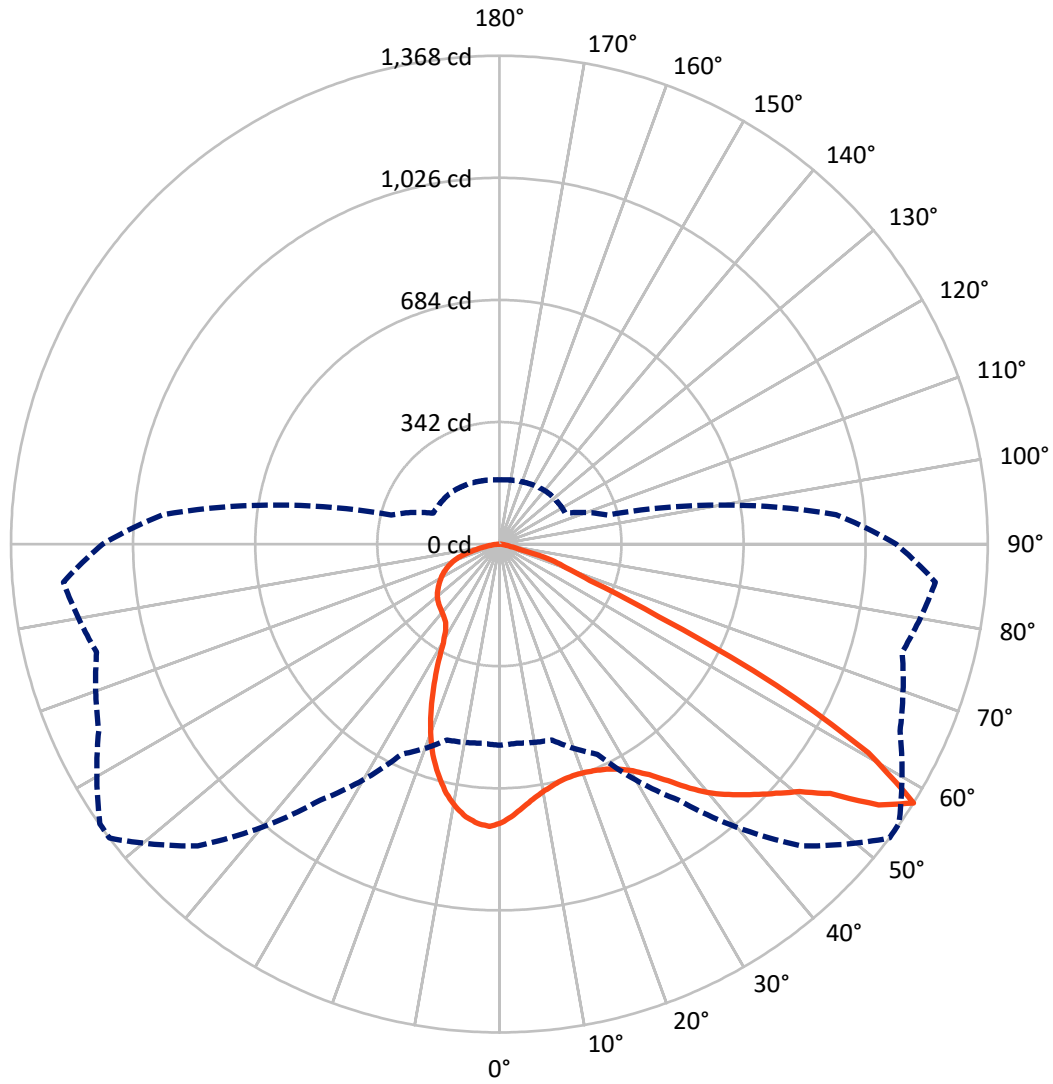
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	764.0	0.0	764.0
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	1679.6	0.0	1679.6
	% Fixture	68.7	0.0	68.7
Total	Lumens	2443.6	0.0	2443.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	2.9
10°-20°	185.1	7.6
20°-30°	272.8	11.2
30°-40°	381.8	15.6
40°-50°	501.9	20.5
50°-60°	588.5	24.1
60°-70°	346.7	14.2
70°-80°	86.2	3.5
80°-90°	10.1	0.4
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°	2443.6	100.0
0°-180°	2443.6	100.0

Coefficient of Utilization



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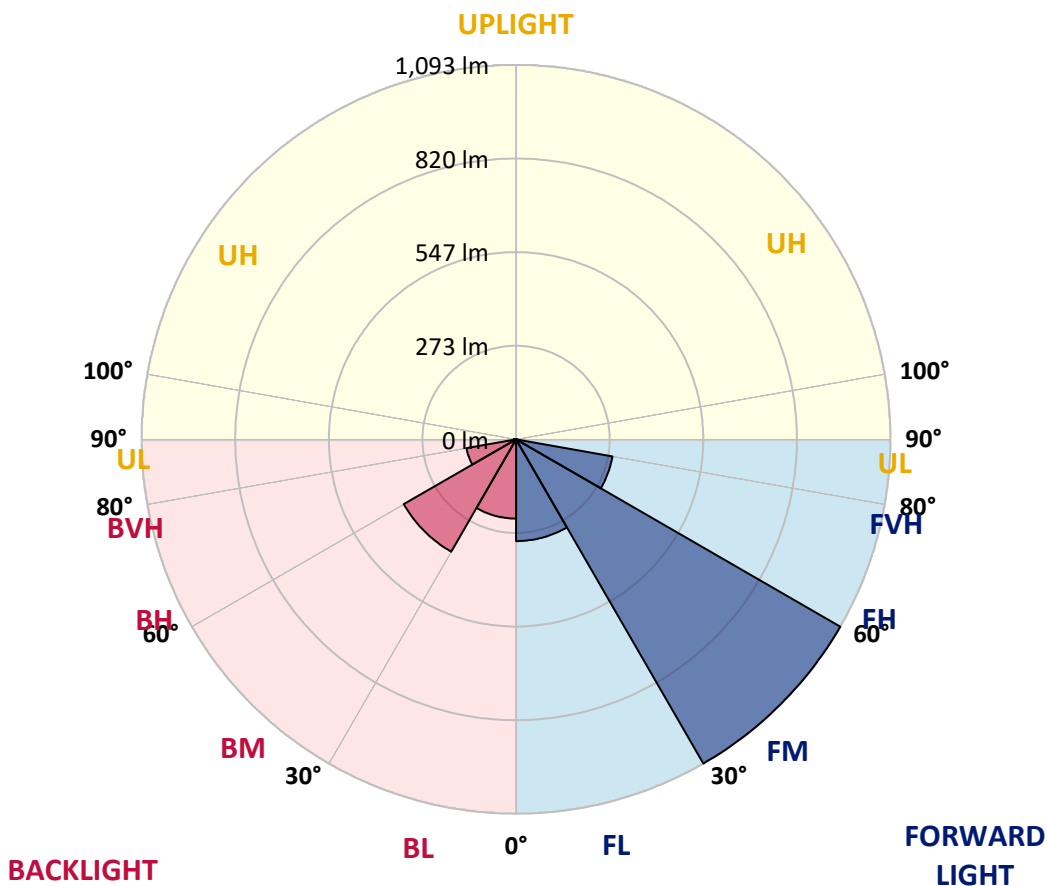
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.1	12.2			
FM (30°-60°)	1093.3	44.7			
FH (60°-80°)	285.8	11.7			G0/660
FVH (80°-90°)	3.4	0.1			G0/10
BL (0°-30°)	231.3	9.5	B1/500		
BM (30°-60°)	378.8	15.5	B1/1000		
BH (60°-80°)	147.1	6.0	B1/500		G1/500
BVH (80°-90°)	6.7	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3
2.5°	735.5	737.5	737.9	744.3	744.7	754.0	760.2	758.9	765.3	773.1	779.3
5°	700.3	700.5	702.6	710.2	714.3	726.4	736.7	736.7	749.0	765.1	778.9
7.5°	671.3	671.1	672.9	681.4	688.2	702.8	716.8	718.4	735.7	759.1	781.5
10°	644.4	645.8	647.9	658.1	666.8	684.9	701.5	704.2	726.0	755.0	785.2
12.5°	627.1	627.3	630.4	641.9	653.0	672.3	689.8	693.1	718.2	751.1	787.9
15°	616.0	616.2	619.5	632.2	645.2	664.7	682.6	686.3	713.7	750.5	793.1
17.5°	611.0	610.8	613.9	626.7	640.9	661.2	680.4	684.9	715.7	755.2	802.1
20°	611.0	611.2	612.9	624.4	638.8	660.4	682.6	688.2	723.7	765.9	816.1
22.5°	619.7	620.5	621.3	629.1	640.5	661.6	688.6	696.0	741.0	783.8	834.4
25°	636.5	636.8	637.6	643.9	649.1	665.1	698.5	709.6	768.0	809.9	857.4
27.5°	659.2	662.0	662.9	667.0	667.0	673.8	713.9	729.9	804.4	847.6	886.8
30°	690.8	691.9	693.3	697.8	692.9	690.0	736.5	757.1	846.5	893.0	922.2
32.5°	718.6	720.9	728.7	736.1	727.2	718.2	769.8	794.1	887.0	940.3	959.9
35°	742.3	747.8	762.8	779.3	773.1	764.1	814.0	839.3	920.4	974.3	993.2
37.5°	770.8	775.2	795.7	822.5	828.0	823.7	867.9	886.0	942.6	982.9	1011.3
40°	799.8	806.4	833.0	870.0	891.2	894.2	917.7	929.8	950.2	966.0	1007.8
42.5°	829.5	840.8	877.2	920.4	958.0	965.0	959.7	964.8	947.7	942.8	991.5
45°	865.7	879.0	920.2	975.3	1024.8	1035.7	1000.8	996.1	947.3	933.9	981.5
47.5°	908.4	921.8	961.1	1025.3	1088.6	1096.6	1042.9	1034.3	961.7	947.5	995.0
50°	946.3	955.5	990.7	1062.5	1148.0	1152.8	1089.4	1078.9	997.5	985.2	1037.4
52.5°	907.8	906.8	943.8	1032.3	1178.9	1235.9	1161.0	1150.9	1066.6	1047.7	1103.0
55°	770.2	758.5	791.6	878.6	1092.7	1309.7	1289.3	1269.2	1158.7	1110.6	1164.5
57.5°	563.1	559.8	567.9	649.5	875.3	1195.3	1367.9	1366.1	1238.3	1168.2	1225.8
60°	440.3	435.4	414.0	416.3	596.6	933.7	1187.1	1241.6	1287.7	1202.8	1268.6
62.5°	391.0	387.3	376.2	345.5	355.4	626.1	870.2	920.2	1125.2	1062.3	1089.6
65°	323.7	322.7	331.9	330.7	297.8	345.7	491.1	541.5	707.5	716.3	707.5
67.5°	235.3	233.4	256.9	303.2	286.7	261.0	273.7	291.2	362.8	325.8	293.3
70°	153.0	150.3	163.9	219.0	256.7	227.5	197.2	194.4	199.5	124.0	134.1
72.5°	102.6	99.5	99.3	120.5	155.1	153.2	152.8	151.4	135.1	97.9	108.6
75°	57.2	54.7	54.1	52.0	55.5	56.6	60.3	62.3	67.5	74.2	82.3
77.5°	9.7	9.5	11.9	15.2	21.0	26.9	33.3	35.2	43.4	51.4	56.6
80°	5.3	5.6	7.2	8.8	11.7	16.0	20.6	21.8	26.7	31.1	35.2
82.5°	2.9	2.9	3.7	4.7	6.4	8.4	11.1	12.1	15.4	18.1	21.0
85°	1.0	1.0	1.4	1.9	2.7	3.5	4.3	4.9	6.8	9.3	10.5
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.8	1.0	1.9	2.7
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°	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3
2.5°	784.4	778.9	786.5	790.0	791.2	792.0	786.7	783.0	781.7	777.8	775.6
5°	787.3	783.6	790.8	790.8	785.7	780.3	769.4	761.8	756.4	750.1	749.0
7.5°	792.2	789.6	793.5	785.4	772.5	758.1	739.2	724.4	712.4	704.6	704.8
10°	798.8	795.5	792.4	774.5	750.9	724.4	695.4	673.8	654.0	645.0	640.0
12.5°	803.1	798.4	785.4	755.8	721.1	685.5	644.6	612.5	583.9	570.9	569.9
15°	808.5	799.8	773.9	731.6	683.2	634.7	582.0	537.4	498.7	478.6	477.6
17.5°	815.5	801.3	760.2	703.8	643.3	571.8	505.5	449.4	408.3	392.6	395.3
20°	825.3	802.9	744.5	672.9	593.8	500.2	417.7	366.1	350.3	349.2	347.2
22.5°	836.5	804.0	727.2	638.4	533.7	423.9	345.1	323.1	322.9	328.0	329.3
25°	849.0	804.8	707.7	598.1	468.7	347.8	305.2	298.6	303.8	313.4	314.7
27.5°	865.0	806.4	684.1	553.9	399.6	300.5	283.2	281.6	287.7	296.8	296.4
30°	888.7	812.4	659.0	503.1	328.7	278.1	269.8	270.0	272.5	276.8	277.4
32.5°	912.8	821.6	634.5	445.9	287.9	265.3	261.6	261.2	261.2	263.1	263.5
35°	935.6	832.1	608.0	386.2	268.2	257.9	255.4	254.2	253.6	253.2	252.6
37.5°	948.3	837.3	582.0	327.4	257.7	253.0	250.5	248.9	246.6	245.0	244.5
40°	942.8	831.3	552.0	283.4	251.3	248.2	245.4	243.1	240.0	238.6	237.8
42.5°	924.3	812.8	519.3	262.6	246.2	243.1	239.6	235.9	233.8	232.6	232.4
45°	904.7	790.4	479.8	250.5	241.2	237.5	233.4	229.3	227.1	226.4	226.2
47.5°	904.1	779.3	437.9	240.8	235.3	231.6	226.4	222.3	219.9	219.0	218.2
50°	931.3	790.6	390.6	232.4	229.1	225.2	219.4	214.9	211.8	210.8	210.6
52.5°	987.6	833.2	348.2	224.0	220.9	216.4	211.6	207.1	203.4	201.6	201.3
55°	1048.5	887.3	321.9	215.3	211.2	207.3	203.0	198.1	193.9	191.1	190.7
57.5°	1111.4	946.3	313.9	204.4	201.3	198.7	193.5	188.2	183.5	180.8	180.2
60°	1163.3	997.1	328.9	192.9	191.3	187.8	183.0	177.9	174.6	172.6	172.1
62.5°	973.8	811.8	265.5	180.4	180.4	176.7	171.3	167.6	165.4	163.9	163.5
65°	618.0	502.7	181.2	167.8	167.6	162.7	158.2	155.7	154.7	152.4	152.0
67.5°	269.2	229.7	154.9	155.1	154.3	148.9	144.4	142.5	140.5	138.0	137.8
70°	139.6	142.3	138.6	140.9	139.4	133.1	128.7	125.9	121.6	119.1	119.3
72.5°	112.7	115.6	119.7	123.2	120.1	115.0	108.2	104.7	99.1	96.5	96.7
75°	86.0	89.1	93.0	96.7	94.2	87.8	83.5	80.0	73.6	70.5	71.2
77.5°	59.2	60.9	65.6	65.4	64.6	62.7	56.4	52.2	45.7	42.0	42.4
80°	36.8	37.8	40.1	41.1	40.7	38.3	33.1	30.0	26.1	23.9	24.1
82.5°	22.2	22.8	24.9	25.1	24.9	23.0	19.1	16.9	14.4	13.2	13.2
85°	11.3	11.7	13.0	13.0	11.7	9.9	8.8	7.8	6.4	5.8	5.8
87.5°	3.1	3.1	3.9	3.3	2.7	2.5	1.2	1.0	0.4	0.2	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)