

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: McGRAW-EDISON

Report Number: P197708

Luminaire Tested: **TT-C2-LED-E1-5MQ-PM-CG-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115348)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C2-LED-E1-5MQ-PM-CG-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3911.8 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

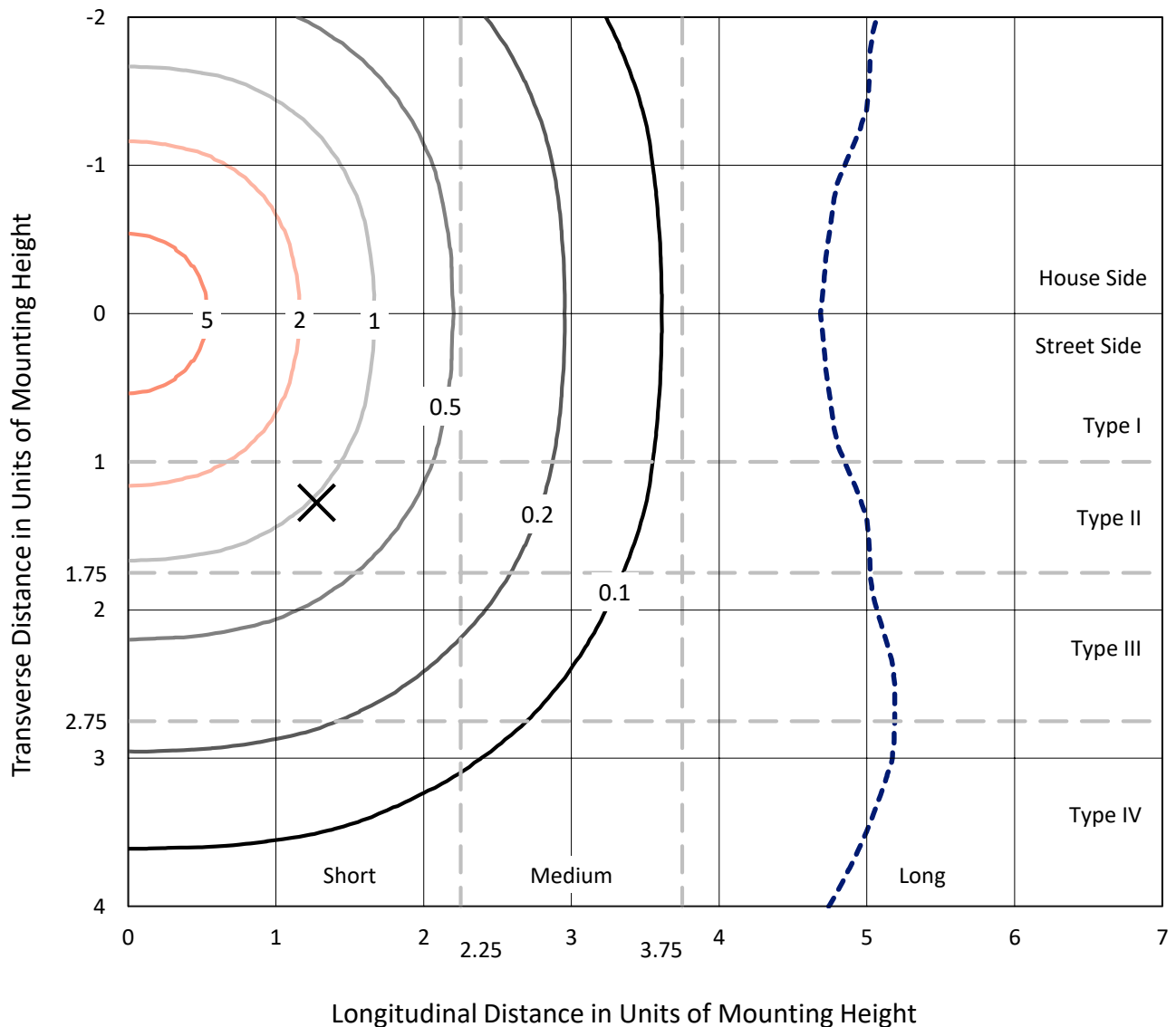
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

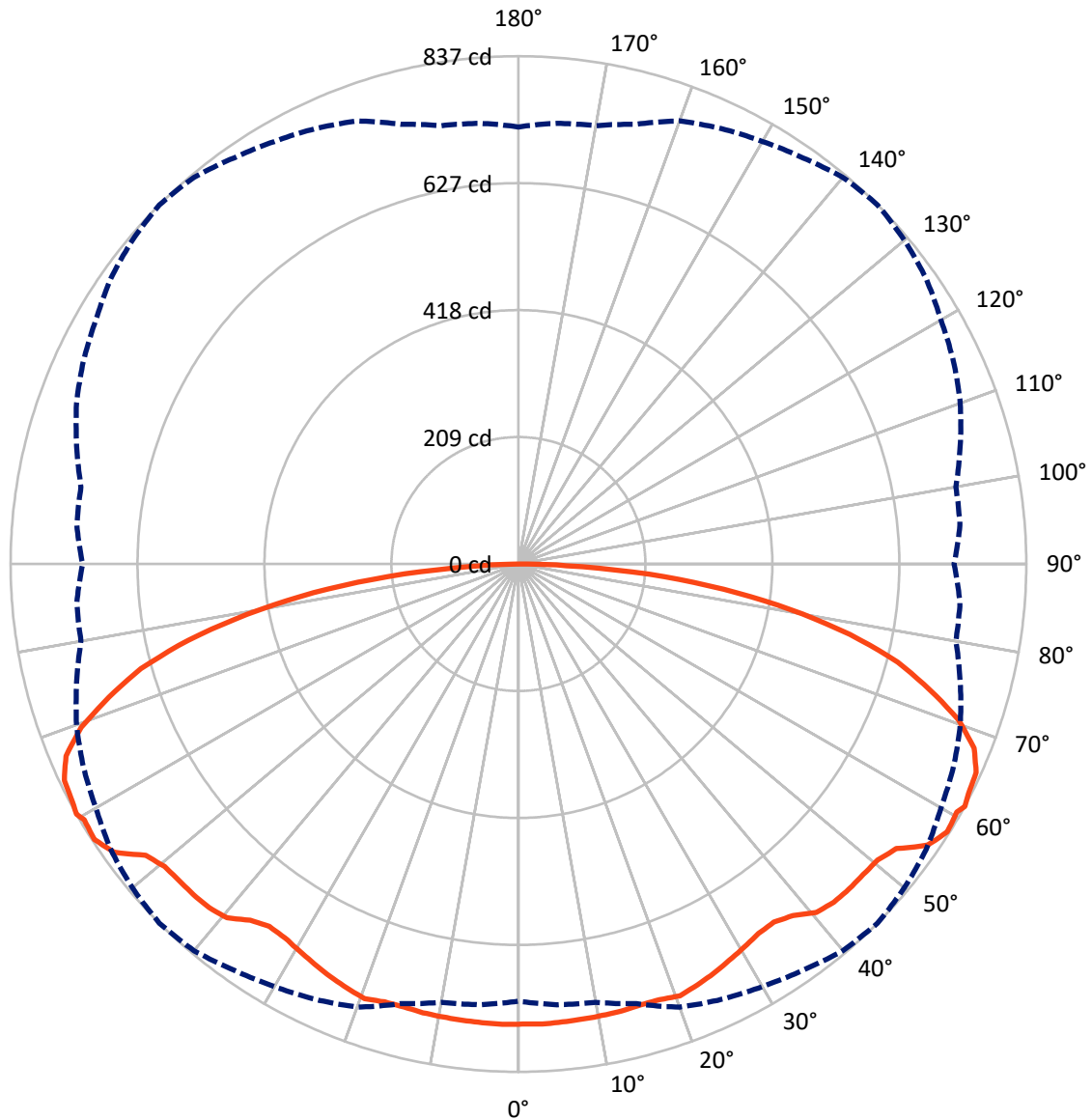
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 61-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1955.9	0.0	1955.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1955.9	0.0	1955.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3911.8	0.0	3911.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	1.8
10°-20°	213.8	5.5
20°-30°	343.9	8.8
30°-40°	455.6	11.6
40°-50°	575.4	14.7
50°-60°	689.4	17.6
60°-70°	753.8	19.3
70°-80°	603.4	15.4
80°-90°	204.2	5.2
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°	3911.8	100.0
0°-180°	3911.8	100.0



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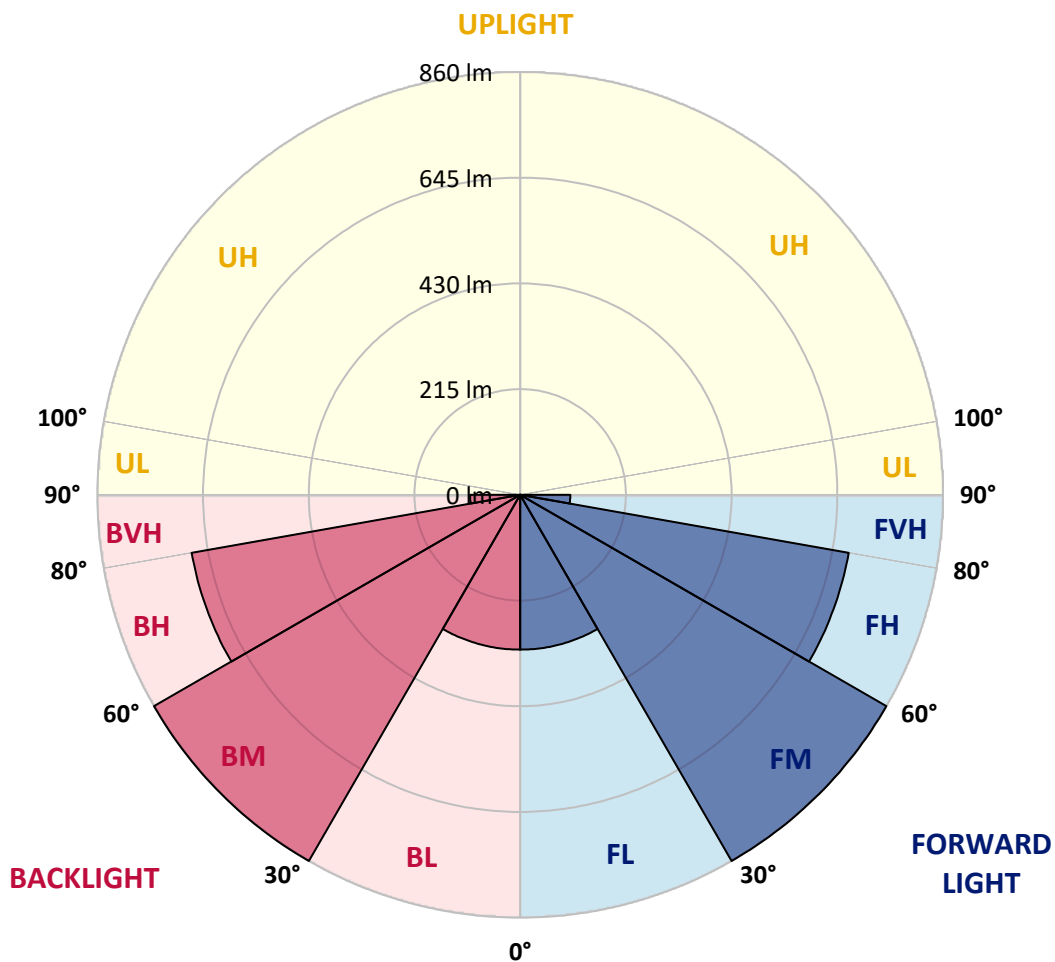
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	315.0	8.1			
FM (30°-60°)	860.2	22.0			
FH (60°-80°)	678.6	17.3			G1/1800
FVH (80°-90°)	102.1	2.6			G2/225
BL (0°-30°)	315.0	8.1	B1/500		
BM (30°-60°)	860.2	22.0	B1/1000		
BH (60°-80°)	678.6	17.3	B2/1000		G1/1800
BVH (80°-90°)	102.1	2.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9
2.5°	758.6	757.9	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6
5°	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9
7.5°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.9	757.1	757.9
10°	755.7	755.7	755.7	755.7	756.4	756.4	756.4	756.4	756.4	756.4	756.4
12.5°	754.3	754.3	754.3	754.3	755.0	755.0	755.0	755.0	755.7	755.7	755.0
15°	752.8	752.0	752.0	752.8	752.8	753.5	753.5	753.5	754.3	753.5	753.5
17.5°	751.3	750.6	751.3	752.0	752.0	752.8	753.5	753.5	754.3	754.3	754.3
20°	753.5	752.8	753.5	754.3	755.0	756.4	757.1	757.9	758.6	759.3	759.3
22.5°	749.2	748.4	749.2	749.2	749.9	750.6	752.0	752.8	753.5	753.5	753.5
25°	742.6	742.6	743.3	743.3	744.1	744.7	745.5	746.2	746.2	747.0	746.2
27.5°	735.3	735.3	736.0	736.0	737.5	737.5	738.2	738.9	739.6	739.6	739.6
30°	726.6	726.6	727.2	728.0	729.5	730.2	730.9	731.7	732.4	732.4	732.4
32.5°	718.5	717.8	718.5	720.0	722.2	723.6	725.1	725.9	725.9	725.9	726.6
35°	712.0	712.7	714.2	715.6	718.5	720.0	721.4	723.6	724.4	724.4	724.4
37.5°	713.5	714.2	716.3	719.3	722.9	727.2	730.2	733.1	735.3	734.6	733.8
40°	722.9	724.4	728.0	732.4	738.2	744.1	748.4	752.0	754.3	755.0	754.3
42.5°	724.4	725.9	728.7	735.3	741.9	748.4	754.3	757.9	760.8	761.6	760.8
45°	723.6	723.6	728.0	735.3	741.9	748.4	755.7	760.8	763.7	763.7	763.7
47.5°	718.5	720.8	723.6	730.9	739.6	746.2	753.5	758.6	762.2	764.4	762.2
50°	718.5	718.5	723.6	728.7	736.8	748.4	758.6	763.7	767.4	766.7	767.4
52.5°	717.1	721.4	724.4	731.7	746.2	757.9	765.9	773.2	778.3	779.1	777.6
55°	730.2	730.9	737.5	751.3	765.2	778.3	792.8	803.8	812.5	817.6	810.3
57.5°	740.4	736.8	749.9	761.6	777.6	797.3	819.1	827.8	834.4	832.9	835.1
60°	726.6	731.7	741.1	753.5	779.1	798.7	810.3	819.9	827.8	830.0	827.1
61°	720.0	728.7	733.1	749.9	776.8	791.4	803.8	816.9	831.5	836.6	830.0
62.5°	709.1	722.9	721.4	748.4	765.2	781.9	805.2	820.6	830.8	832.3	830.8
65°	709.8	707.6	724.4	744.1	760.8	790.7	810.3	819.9	825.7	828.6	827.1
67.5°	686.4	679.2	699.6	713.5	741.9	765.2	784.1	797.9	806.7	809.6	806.0
70°	632.6	637.7	652.2	673.4	696.7	725.1	742.6	760.8	768.1	768.8	768.8
72.5°	580.8	583.7	598.3	618.0	644.9	669.7	687.2	701.8	708.4	709.1	710.5
75°	512.3	515.2	532.0	550.2	577.2	598.3	610.7	628.2	637.7	645.6	639.1
77.5°	432.8	438.0	451.1	470.8	495.6	507.2	529.1	549.5	556.1	558.2	556.1
80°	343.3	349.8	361.5	387.7	398.6	417.6	438.7	447.4	453.3	454.8	455.5
82.5°	247.0	252.1	264.5	282.8	295.2	310.4	325.0	336.0	342.5	341.0	340.3
85°	145.7	147.2	160.3	172.7	182.2	191.6	203.3	211.3	212.8	215.7	214.9
87.5°	43.8	44.4	50.2	56.8	61.2	65.6	72.9	82.3	84.6	78.7	79.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9
2.5°	758.6	758.6	758.6	758.6	758.6	758.6	757.9	758.6
5°	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9
7.5°	757.9	757.1	757.1	757.1	757.1	757.1	757.1	757.1
10°	756.4	756.4	756.4	756.4	755.7	755.7	755.7	755.7
12.5°	755.0	755.0	755.0	755.0	754.3	754.3	754.3	754.3
15°	753.5	753.5	753.5	753.5	752.8	752.8	752.8	752.8
17.5°	754.3	753.5	752.8	752.8	752.0	751.3	751.3	751.3
20°	758.6	757.9	756.4	755.0	754.3	753.5	753.5	753.5
22.5°	752.8	752.0	750.6	749.9	749.9	749.2	748.4	748.4
25°	746.2	744.7	744.7	744.1	744.1	742.6	742.6	741.9
27.5°	738.9	738.2	737.5	736.8	736.8	736.0	735.3	734.6
30°	732.4	730.9	729.5	728.7	728.0	727.2	727.2	727.2
32.5°	725.9	724.4	723.6	721.4	720.0	719.3	718.5	718.5
35°	723.6	721.4	720.0	717.8	715.6	714.2	713.5	712.0
37.5°	732.4	729.5	727.2	723.6	718.5	716.3	714.2	713.5
40°	751.3	748.4	744.1	738.2	732.4	728.0	724.4	722.9
42.5°	757.9	754.3	748.4	742.6	735.3	728.7	725.9	724.4
45°	760.1	756.4	748.4	741.1	734.6	728.7	724.4	722.9
47.5°	757.9	752.8	745.5	739.6	730.2	722.9	720.0	717.8
50°	763.0	758.6	749.2	736.0	728.0	723.6	718.5	717.8
52.5°	773.2	765.2	756.4	747.0	731.7	722.9	720.0	716.3
55°	803.8	792.8	777.6	762.2	752.8	738.9	730.2	730.2
57.5°	827.1	818.4	798.7	778.3	760.8	750.6	737.5	738.2
60°	820.6	808.9	799.4	779.1	754.3	740.4	735.3	725.9
61°	819.9	803.8	790.7	774.6	753.5	731.7	730.2	717.8
62.5°	821.3	806.7	781.9	765.2	749.2	720.8	720.0	708.4
65°	819.9	806.0	793.6	762.2	740.4	728.7	703.9	713.5
67.5°	797.3	784.9	762.2	744.7	711.2	696.7	682.8	682.8
70°	761.6	743.3	721.4	699.6	677.0	652.2	639.8	632.6
72.5°	701.8	686.4	669.0	645.6	618.0	595.4	583.7	578.6
75°	626.8	609.9	594.7	577.2	548.0	529.1	516.7	513.0
77.5°	548.0	533.4	506.5	489.7	470.0	448.2	437.3	432.8
80°	447.4	439.4	420.5	393.5	384.1	357.1	349.8	343.3
82.5°	336.0	327.2	309.7	290.8	279.1	263.8	250.7	249.3
85°	211.3	205.5	194.6	180.7	166.2	157.4	145.7	148.7
87.5°	78.7	75.0	68.5	59.8	53.2	47.4	41.5	43.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)