

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: P629116

Luminaire Tested: GWS-SA1B-722-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2213.9 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

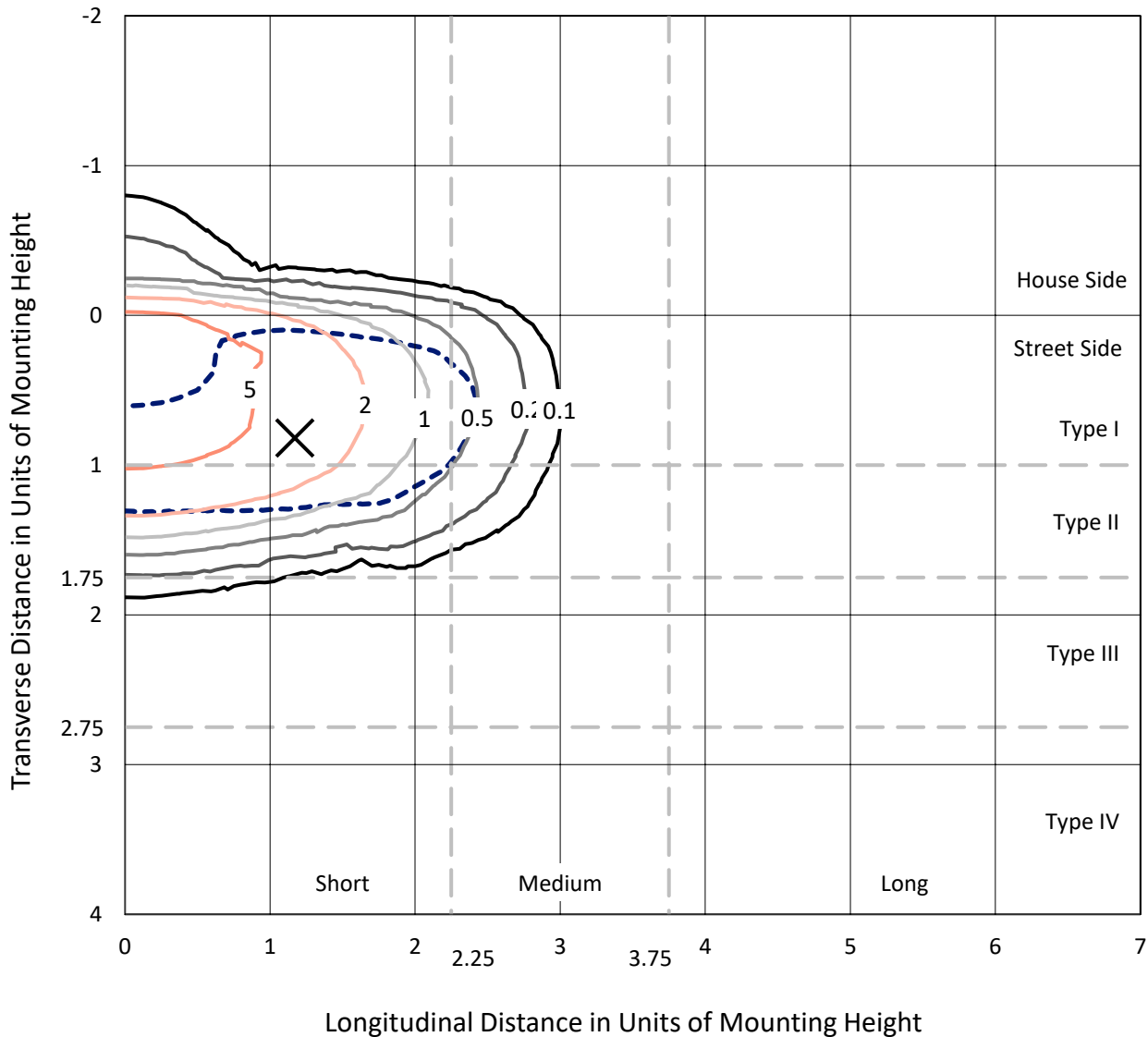
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

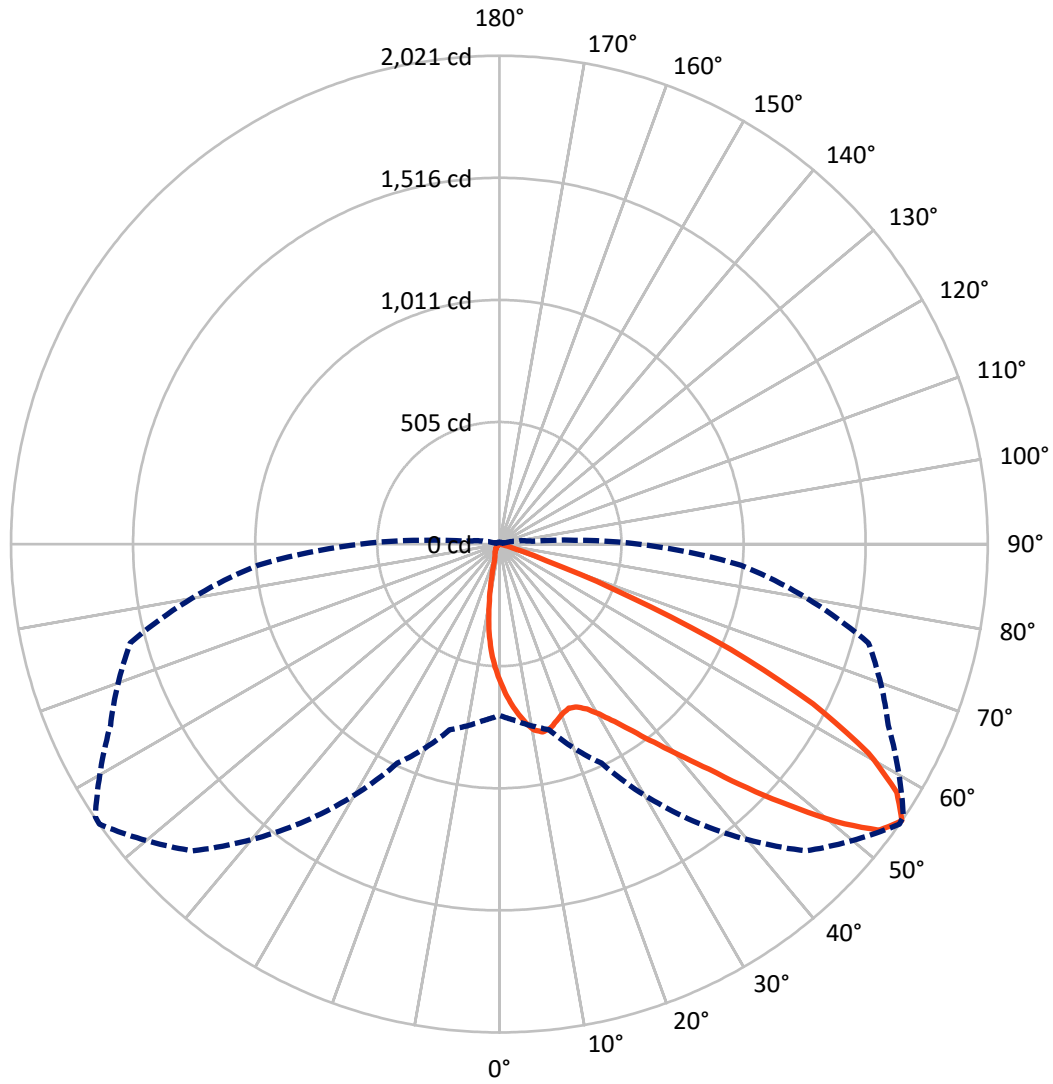
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	136.6	0.0	136.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2077.3	0.0	2077.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	2213.9	0.0	2213.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	2.3
10°-20°	121.9	5.5
20°-30°	202.9	9.2
30°-40°	345.8	15.6
40°-50°	564.5	25.5
50°-60°	591.0	26.7
60°-70°	298.1	13.5
70°-80°	37.7	1.7
80°-90°	1.4	0.1
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°	2213.9	100.0
0°-180°	2213.9	100.0

Coefficient of Utilization



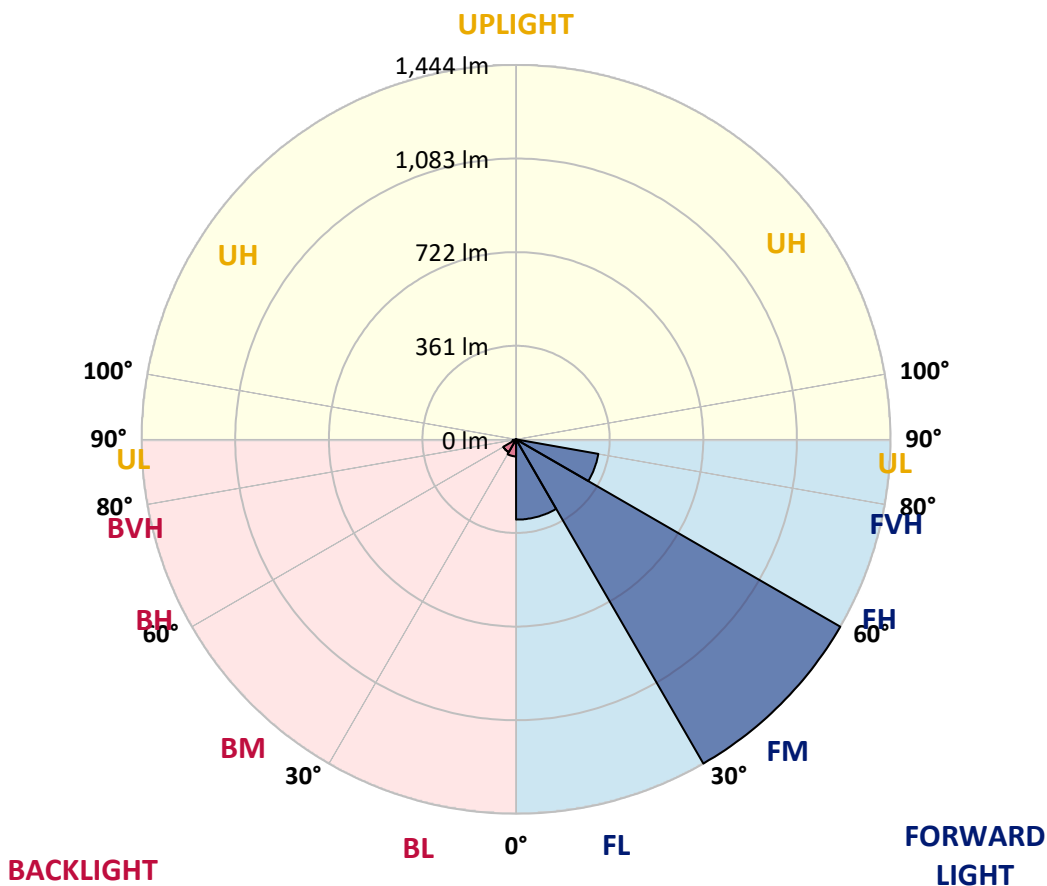
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.7	14.0			
FM (30°-60°)	1444.2	65.2			
FH (60°-80°)	322.0	14.5			G0/660
FVH (80°-90°)	1.3	0.1			G0/10
BL (0°-30°)	65.7	3.0	B0/110		
BM (30°-60°)	57.1	2.6	B0/220		
BH (60°-80°)	13.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.1	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	571.9	571.9	571.9	571.9	571.9	571.9	571.9	571.9	571.9	571.9	571.9
2.5°	666.8	663.5	668.5	662.8	653.1	645.0	634.4	630.6	613.6	597.5	582.0
5°	747.8	748.7	747.2	739.2	725.6	710.5	689.1	684.4	654.6	624.0	590.9
7.5°	767.8	767.3	770.5	773.5	771.2	763.7	740.4	735.7	698.7	652.8	604.5
10°	705.9	706.3	712.9	733.4	758.7	785.0	781.5	778.8	742.7	685.3	619.6
12.5°	618.5	621.9	628.9	658.1	701.0	760.8	797.9	800.6	783.0	721.1	637.4
15°	580.6	581.4	587.1	604.7	636.7	710.5	790.9	798.3	816.7	757.0	656.7
17.5°	579.7	580.6	583.1	590.9	611.7	670.9	768.4	781.3	842.0	795.6	679.8
20°	615.3	614.7	613.0	608.8	617.9	657.9	747.6	761.8	855.8	833.3	703.1
22.5°	679.8	679.1	671.5	654.3	646.9	669.8	737.4	750.2	864.2	866.8	722.2
25°	754.2	759.5	745.3	719.2	701.0	700.3	746.4	755.5	871.4	896.5	735.3
27.5°	835.8	837.5	825.4	796.0	769.7	749.1	772.7	779.6	879.3	923.0	742.7
30°	925.3	924.7	910.9	876.8	844.9	815.1	817.0	819.7	897.8	953.3	750.8
32.5°	1037.1	1039.6	1015.0	968.6	930.2	889.1	874.9	875.3	931.3	992.3	763.1
35°	1189.1	1183.1	1150.5	1084.5	1019.0	974.7	950.5	948.4	983.0	1044.7	784.5
37.5°	1333.9	1334.5	1300.4	1227.7	1145.0	1075.2	1040.9	1035.2	1055.7	1117.4	820.1
40°	1434.4	1436.3	1422.1	1384.1	1296.4	1197.6	1147.3	1141.4	1149.9	1209.4	866.6
42.5°	1487.6	1492.9	1496.9	1505.7	1439.3	1350.6	1273.1	1272.6	1263.7	1314.2	920.6
45°	1489.7	1497.6	1521.8	1582.6	1590.2	1525.1	1440.8	1428.2	1393.9	1426.4	968.8
47.5°	1407.3	1425.7	1477.2	1597.5	1677.0	1698.6	1615.1	1607.4	1511.2	1515.2	1005.0
50°	1215.4	1234.5	1329.4	1520.9	1699.0	1836.4	1806.5	1790.4	1609.3	1573.9	1022.4
52.5°	1018.6	1036.0	1100.4	1338.4	1607.9	1879.7	1967.7	1948.6	1697.3	1594.3	1015.2
55°	708.8	732.1	794.9	1000.4	1398.2	1795.3	2021.1	2017.1	1775.8	1581.5	1004.0
57.5°	347.5	370.6	433.2	616.8	1035.8	1567.4	1939.5	1960.5	1822.8	1567.6	994.9
60°	145.2	154.6	176.2	270.6	579.5	1184.6	1755.4	1784.5	1794.0	1548.9	994.0
62.5°	84.2	85.7	88.0	112.2	225.4	679.1	1456.2	1497.6	1642.8	1524.1	979.0
65°	63.6	64.2	63.2	68.9	93.1	257.6	1052.1	1108.5	1371.2	1427.2	920.0
67.5°	52.2	52.2	49.8	50.9	58.5	96.5	580.8	659.6	1014.6	1173.0	759.7
70°	41.6	42.6	41.4	39.9	41.8	53.4	206.7	256.3	590.9	692.7	443.1
72.5°	31.6	31.6	33.5	32.4	31.0	33.5	72.1	81.0	237.1	288.8	159.9
75°	24.4	25.2	26.5	25.4	23.5	19.9	34.6	36.7	71.5	67.2	35.8
77.5°	12.5	12.7	16.8	18.5	17.4	12.1	15.1	16.7	23.3	20.8	13.2
80°	7.6	7.9	9.5	14.6	11.5	6.4	6.2	6.6	11.0	9.5	5.5
82.5°	3.2	3.4	5.3	5.3	4.7	2.5	2.5	2.5	5.3	4.9	2.3
85°	0.0	0.0	0.9	0.8	0.8	0.9	0.9	0.9	1.3	1.9	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.6
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°	571.9	571.9	571.9	571.9	571.9	571.9	571.9	571.9	571.9	571.9	571.9
2.5°	571.9	559.8	543.6	528.8	508.9	497.8	482.2	469.6	458.8	455.4	453.8
5°	572.1	551.3	516.5	481.7	438.9	405.2	370.6	343.1	320.6	313.4	311.5
7.5°	575.9	545.3	488.9	425.6	354.1	295.1	242.3	194.9	173.0	165.6	164.1
10°	581.0	540.1	456.9	358.5	255.7	179.8	127.4	97.1	82.7	74.8	75.9
12.5°	587.7	536.0	421.5	285.8	169.2	98.8	70.0	58.7	55.6	54.1	53.4
15°	596.5	531.1	377.6	213.7	103.7	63.6	53.9	50.9	49.8	49.0	48.8
17.5°	605.6	525.4	332.9	150.3	68.9	52.8	48.5	46.9	46.2	45.6	45.4
20°	615.3	515.7	280.5	103.5	54.3	47.5	44.7	43.0	42.0	41.1	40.9
22.5°	619.4	500.2	230.3	72.5	48.3	43.7	40.1	38.0	36.9	36.1	36.1
25°	615.5	475.0	178.5	55.1	43.9	39.6	36.0	33.7	32.7	32.0	32.0
27.5°	604.9	442.7	130.2	45.6	39.2	35.2	31.8	29.7	29.0	28.6	28.6
30°	593.1	401.8	91.8	39.2	33.9	30.7	27.8	26.5	26.3	25.9	25.9
32.5°	583.1	363.6	63.2	34.4	29.9	26.7	24.8	24.2	24.4	24.0	24.2
35°	577.6	326.1	46.9	30.7	26.7	23.7	22.7	22.7	22.7	22.5	22.5
37.5°	579.9	289.2	38.2	28.0	23.8	21.6	20.6	21.0	21.4	21.4	21.4
40°	591.2	256.4	33.9	25.6	21.4	19.7	18.9	19.5	20.1	20.4	20.4
42.5°	605.6	230.0	30.7	23.5	19.7	17.8	17.4	18.0	18.5	18.9	18.9
45°	614.7	203.3	27.4	20.8	18.0	15.7	15.7	16.5	16.3	16.5	16.5
47.5°	618.9	182.1	24.2	18.0	15.3	13.6	13.8	14.2	13.8	14.2	14.2
50°	608.7	160.7	21.4	15.0	12.7	11.9	12.3	12.1	12.1	12.9	12.9
52.5°	589.9	144.8	18.9	12.7	10.8	10.6	11.0	10.2	10.4	10.4	10.2
55°	576.1	135.7	16.8	11.0	9.3	9.5	9.3	7.9	7.2	6.4	6.2
57.5°	569.3	132.1	15.3	9.8	8.3	8.3	7.6	5.5	4.2	3.2	2.8
60°	567.8	127.8	13.8	8.5	7.4	7.0	5.5	3.2	2.1	1.5	1.3
62.5°	553.4	117.2	12.5	6.8	6.4	5.7	3.4	1.9	1.1	0.8	0.6
65°	506.3	96.3	11.2	5.3	4.9	4.2	2.1	1.1	0.6	0.2	0.0
67.5°	402.7	68.3	9.8	4.0	3.4	2.6	1.3	0.8	0.2	0.0	0.0
70°	232.2	36.9	8.1	2.8	2.3	1.7	0.9	0.4	0.0	0.0	0.0
72.5°	77.6	17.2	6.2	1.9	1.7	1.3	0.6	0.2	0.0	0.0	0.0
75°	17.0	10.2	4.2	1.3	1.1	0.9	0.4	0.0	0.0	0.0	0.0
77.5°	6.4	7.2	2.1	0.9	0.8	0.6	0.2	0.0	0.0	0.0	0.0
80°	2.5	4.7	0.9	0.6	0.6	0.2	0.0	0.0	0.0	0.0	0.0
82.5°	1.3	1.9	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.8	0.9	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.2	0.2	0.2	0.0	0.0	0.0	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)