

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: INVUE

Report Number: P672728

Luminaire Tested: **CCP-SA-2D-827-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672728
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-827-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ
distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8531.4 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

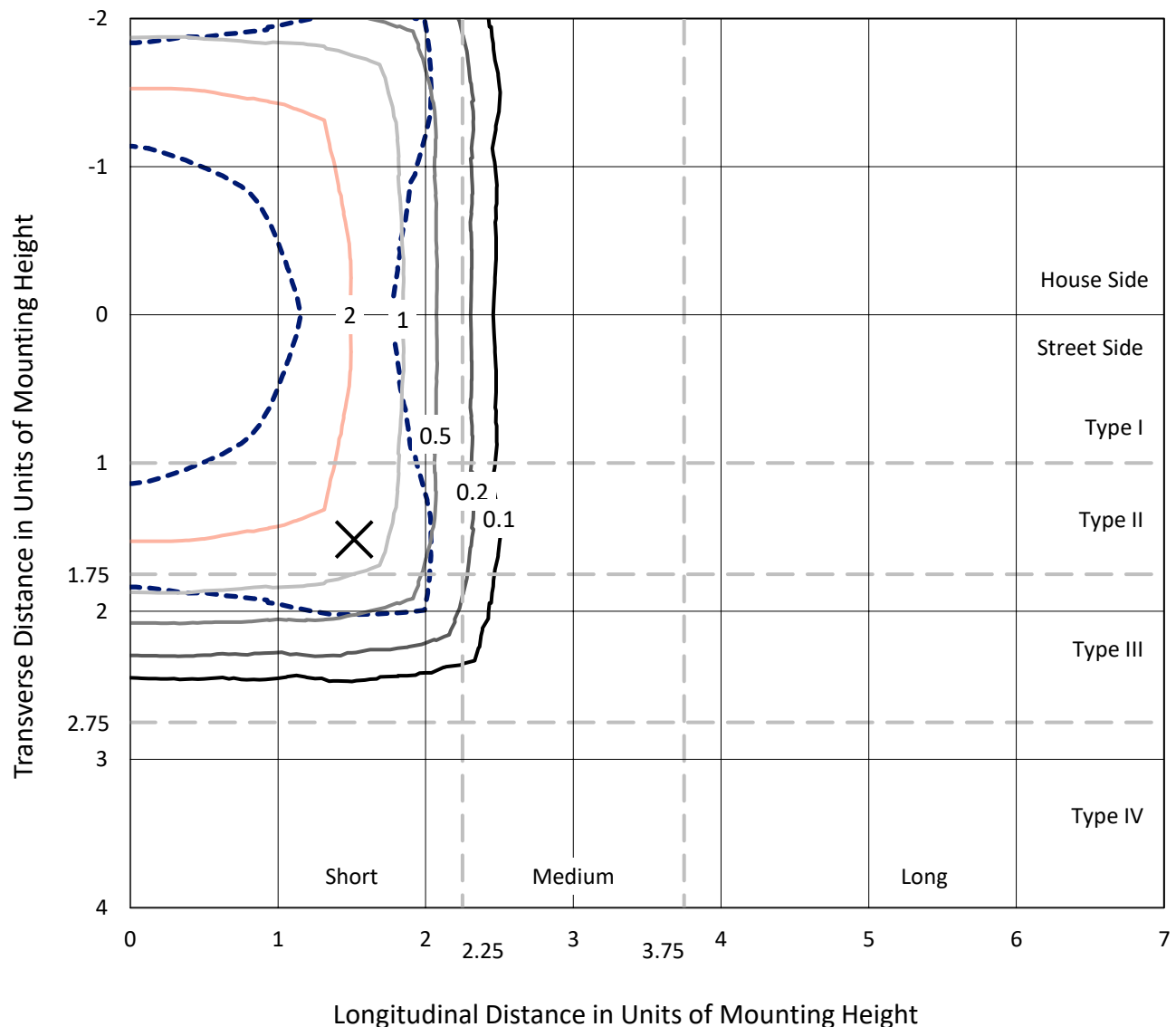
Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P672728

CATALOG NUMBER: CCP-SA-2D-827-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

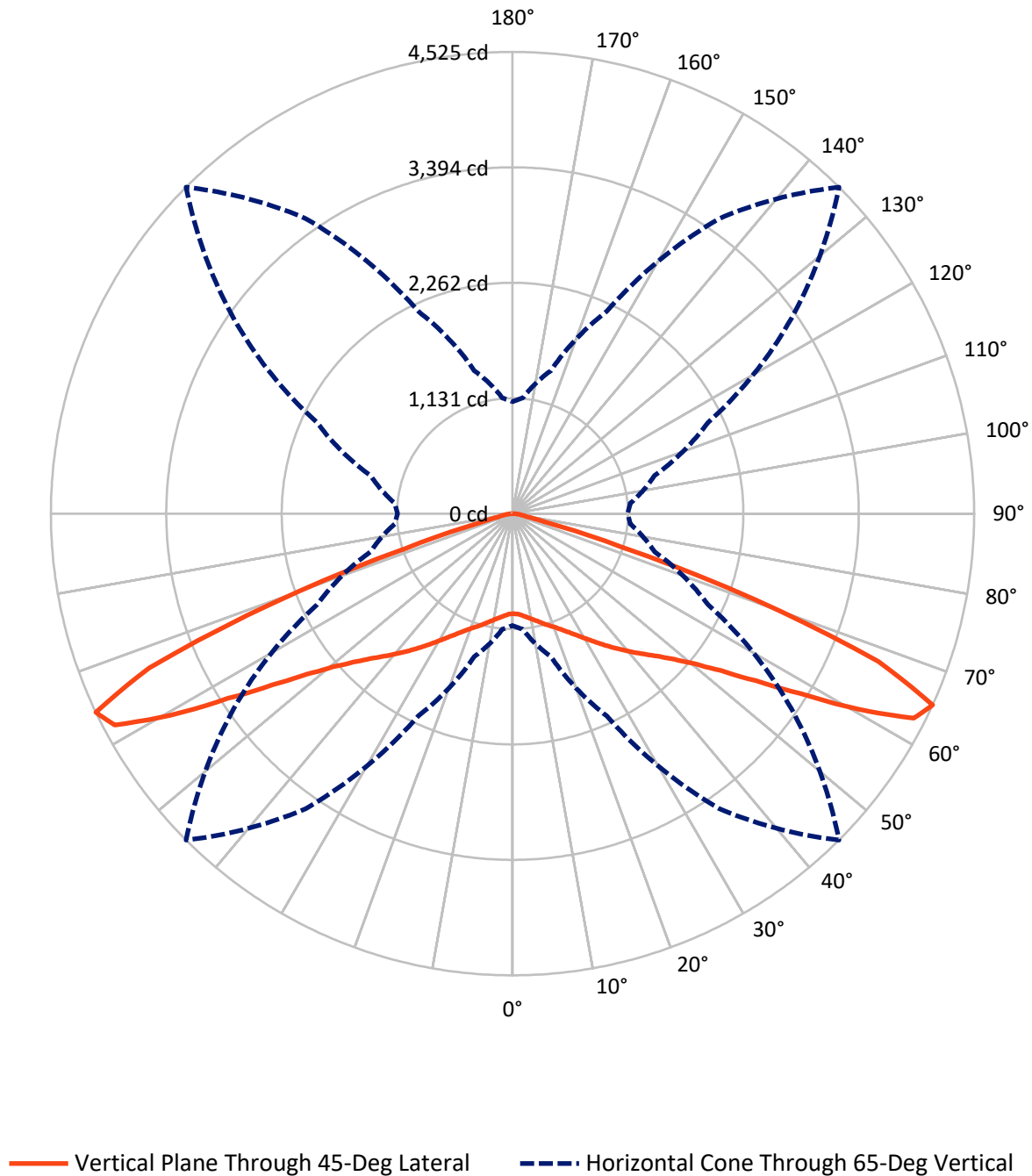
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

REPORT NUMBER: P672728
CATALOG NUMBER: CCP-SA-2D-827-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P672728

CATALOG NUMBER: CCP-SA-2D-827-U-5NQ

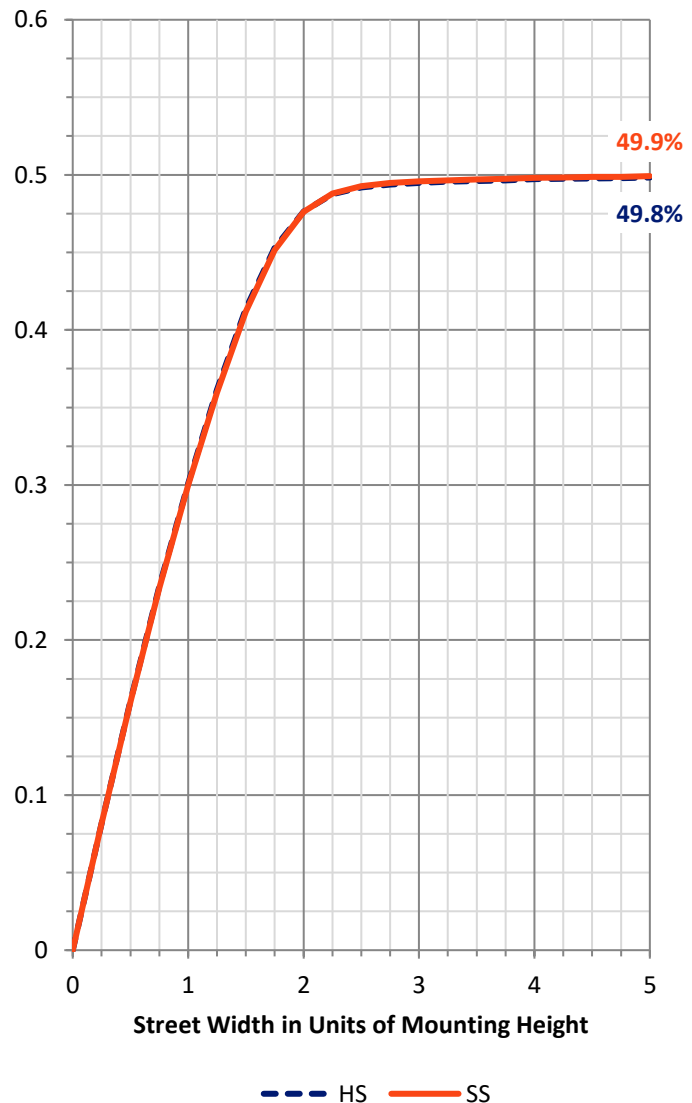
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4265.7	0.0	4265.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4265.7	0.0	4265.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8531.4	0.0	8531.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	1.1
10°-20°	317.2	3.7
20°-30°	601.5	7.1
30°-40°	1008.8	11.8
40°-50°	1596.4	18.7
50°-60°	2507.9	29.4
60°-70°	2119.0	24.8
70°-80°	246.7	2.9
80°-90°	36.8	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°	8531.4	100.0
0°-180°	8531.4	100.0

Coefficient of Utilization



REPORT NUMBER: P672728

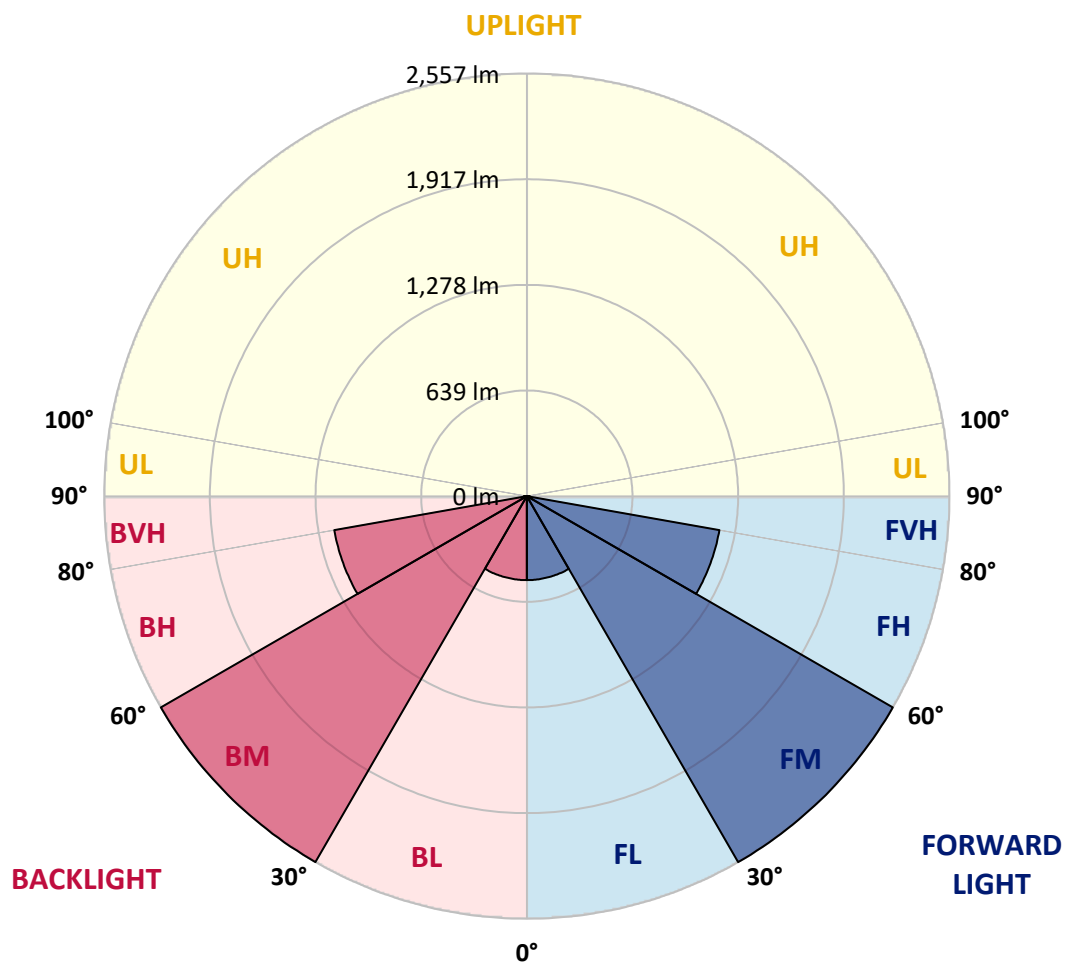
CATALOG NUMBER: CCP-SA-2D-827-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	507.9	6.0			
FM	(30°-60°)	2556.6	30.0			
FH	(60°-80°)	1182.9	13.9			G1/1800
FVH	(80°-90°)	18.4	0.2			G1/100
BL	(0°-30°)	507.9	6.0	B2/1000		
BM	(30°-60°)	2556.6	30.0	B3/5000		
BH	(60°-80°)	1182.9	13.9	B3/2500		G1/1800
BVH	(80°-90°)	18.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P672728

CATALOG NUMBER: CCP-SA-2D-827-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	986.4	983.4	986.4	986.4	984.6	985.2	982.8	982.2	985.2	982.8	982.2
5°	1006.7	1004.3	1006.7	1004.9	1002.0	1002.6	999.0	997.8	1001.4	997.8	998.4
7.5°	1030.1	1025.9	1027.1	1028.9	1025.9	1025.9	1022.9	1021.1	1022.9	1019.3	1021.7
10°	1049.9	1046.3	1048.1	1050.5	1049.9	1051.7	1048.7	1047.5	1045.7	1041.5	1045.1
12.5°	1075.7	1074.5	1076.9	1079.9	1078.7	1081.1	1074.5	1072.7	1072.1	1067.3	1071.5
15°	1109.3	1106.3	1110.5	1114.1	1112.3	1116.5	1111.1	1108.7	1105.7	1099.7	1103.3
17.5°	1142.9	1140.5	1146.5	1148.3	1148.9	1152.5	1148.3	1144.7	1143.5	1139.3	1136.9
20°	1183.0	1180.0	1184.8	1188.4	1185.4	1189.6	1187.8	1185.4	1184.2	1177.6	1177.0
22.5°	1228.0	1223.8	1231.0	1235.2	1231.0	1235.2	1231.6	1231.0	1231.6	1222.0	1223.2
25°	1278.4	1279.0	1286.2	1289.2	1286.8	1289.2	1283.8	1287.4	1285.6	1275.4	1271.8
27.5°	1343.1	1340.7	1348.5	1357.5	1351.5	1351.5	1349.1	1352.7	1352.1	1342.5	1340.1
30°	1418.7	1418.1	1429.5	1434.9	1426.5	1422.9	1422.3	1431.3	1431.9	1421.7	1417.5
32.5°	1497.8	1497.8	1511.6	1518.2	1506.2	1503.8	1501.4	1513.4	1511.6	1497.8	1488.8
35°	1584.8	1581.2	1599.8	1609.4	1597.4	1590.2	1589.0	1599.8	1597.4	1578.2	1567.4
37.5°	1670.5	1672.9	1694.5	1705.3	1690.9	1681.9	1684.9	1692.1	1692.7	1671.7	1660.3
40°	1775.5	1776.1	1803.0	1811.4	1792.8	1779.0	1783.2	1799.4	1798.2	1772.5	1758.1
42.5°	1893.0	1890.6	1924.2	1931.3	1906.2	1879.8	1892.4	1917.6	1923.6	1894.8	1879.8
45°	2018.9	2022.5	2057.3	2065.1	2025.5	1991.9	2018.9	2056.7	2064.5	2033.3	2014.7
47.5°	2171.8	2176.0	2218.0	2221.0	2176.0	2132.2	2168.2	2217.4	2220.4	2177.2	2155.6
50°	2346.3	2360.7	2407.4	2413.4	2369.1	2312.7	2364.3	2408.0	2396.6	2339.1	2319.3
52.5°	2544.2	2555.5	2628.7	2653.9	2614.9	2554.3	2595.7	2622.7	2586.1	2510.6	2480.0
55°	2712.6	2731.8	2829.0	2905.7	2935.1	2889.5	2884.7	2845.2	2743.2	2628.1	2596.3
57.5°	2760.0	2778.6	2929.1	3127.0	3301.5	3324.2	3218.7	3020.2	2800.8	2623.3	2590.9
60°	2567.5	2592.7	2812.8	3187.5	3688.2	3894.5	3513.1	3035.2	2651.5	2413.4	2372.7
62.5°	2016.5	2063.3	2347.5	2935.1	3844.1	4413.7	3634.2	2776.8	2201.2	1920.0	1866.0
65°	1096.7	1136.9	1450.5	2187.4	3528.1	4524.7	3337.4	2114.2	1439.7	1157.3	1127.9
67.5°	411.3	440.7	584.6	1081.1	2494.4	3868.1	2533.4	1210.6	653.6	468.9	427.5
70°	175.1	178.7	211.7	376.6	1133.9	2516.6	1297.0	411.3	218.3	176.3	171.5
72.5°	125.9	126.5	135.5	166.7	345.4	1103.9	392.1	172.7	133.1	119.9	119.9
75°	100.7	101.3	106.7	120.5	163.1	325.0	169.1	121.1	103.1	94.1	92.9
77.5°	79.1	80.3	85.7	94.1	109.1	148.7	114.5	95.3	82.7	74.4	73.2
80°	58.8	60.6	67.8	72.0	76.8	98.9	83.3	74.4	66.0	57.0	55.2
82.5°	39.0	40.8	50.4	53.4	52.8	62.4	57.6	57.0	50.4	37.8	36.0
85°	23.4	24.6	32.4	34.8	32.4	30.6	36.6	39.6	35.4	24.6	22.8
87.5°	10.2	10.2	14.4	15.0	14.4	11.4	17.4	20.4	21.0	12.6	11.4
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)