

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1461270

Luminaire Tested: USSL-70-8540-U-5WQ

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461270
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-70-8540-U-5WQ
Description: USSL DISCRETE LED 1 SQUARE 70W 85CRI 4000k FIXTURE w/ TYPE V SQUARE WIDE DISTRIBUTION OPTIC
Light Source: (40) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10664.2 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.73%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

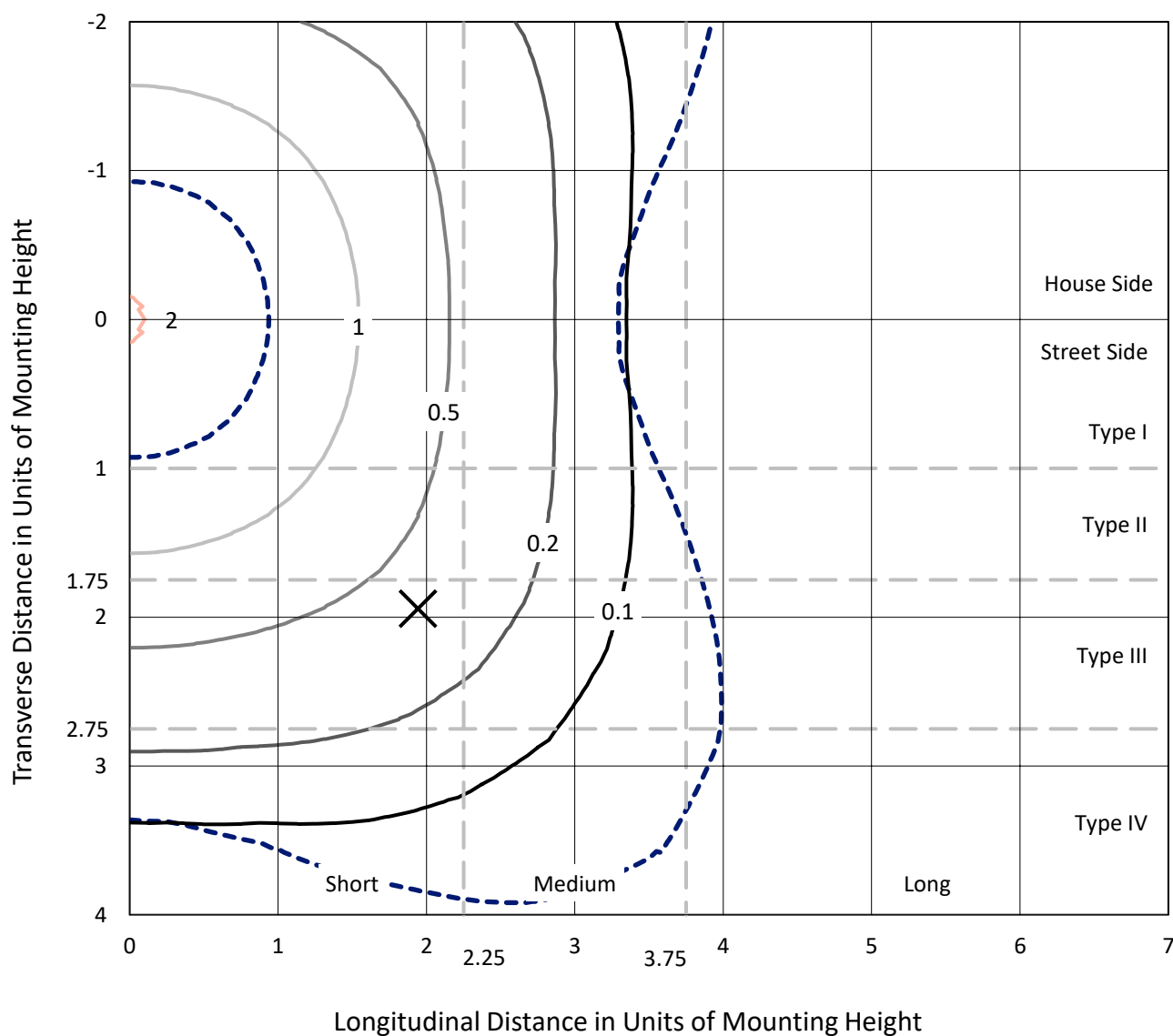
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



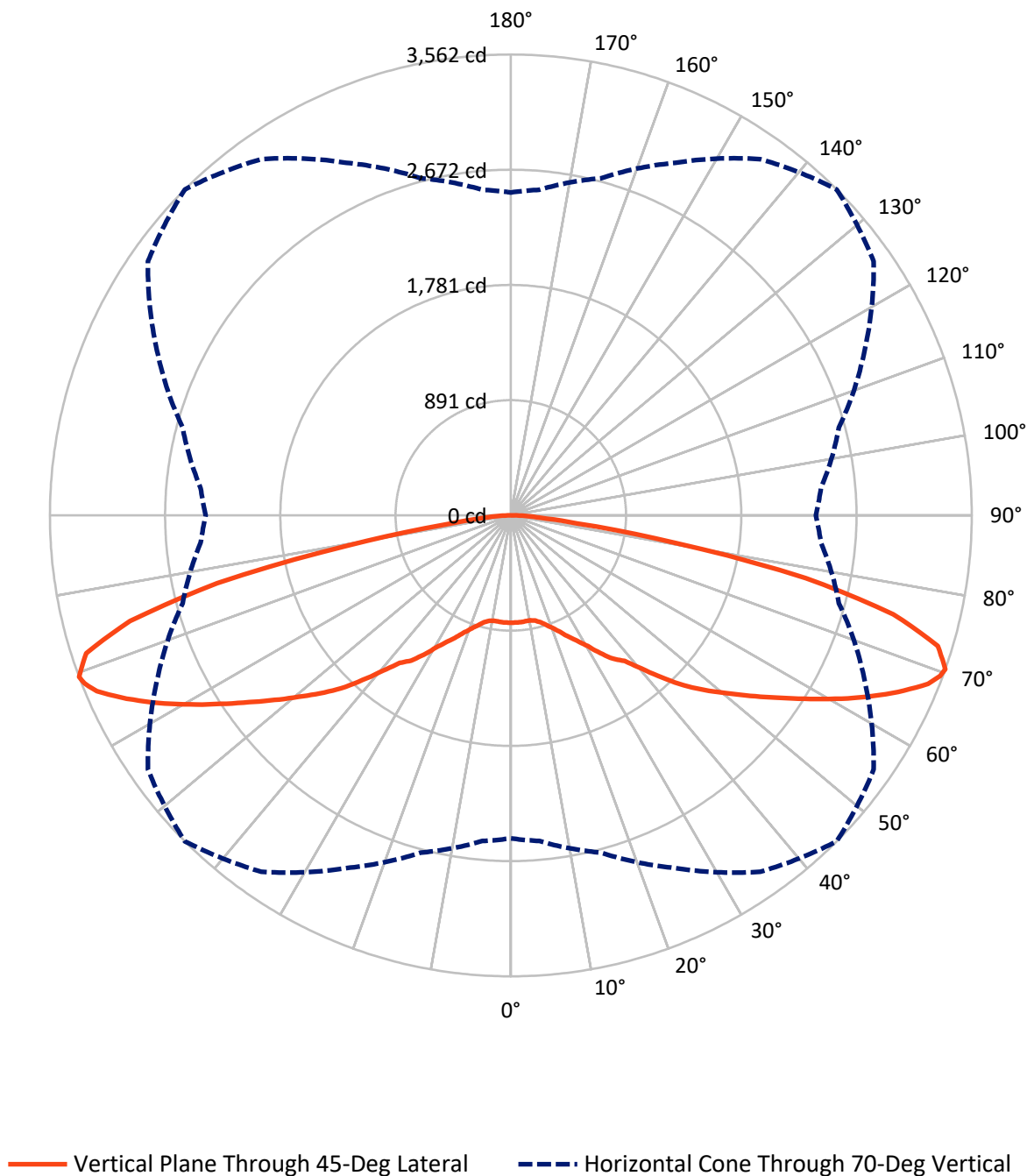
Based on 20 foot mounting height. Maximum calculated value = 2.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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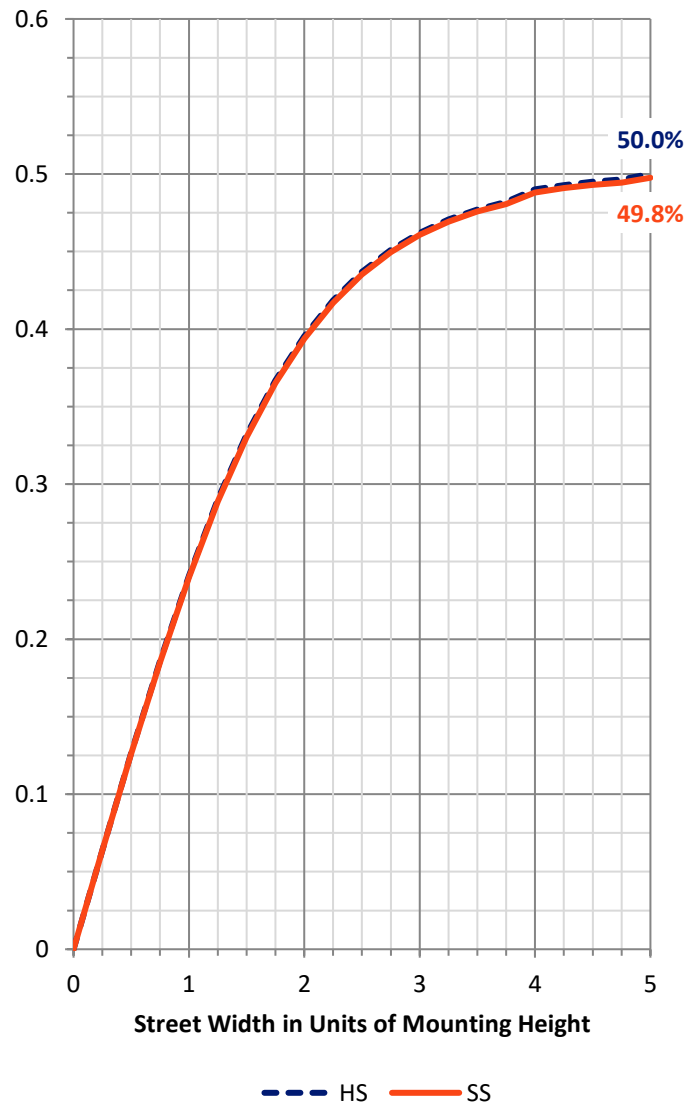
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5332.1	0.0	5332.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5332.1	0.0	5332.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	10664.2	0.0	10664.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	0.7
10°-20°	245.5	2.3
20°-30°	478.1	4.5
30°-40°	848.0	8.0
40°-50°	1463.2	13.7
50°-60°	2209.4	20.7
60°-70°	2941.8	27.6
70°-80°	2133.8	20.0
80°-90°	265.8	2.5
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°	10664.2	100.0
0°-180°	10664.2	100.0

Coefficient of Utilization



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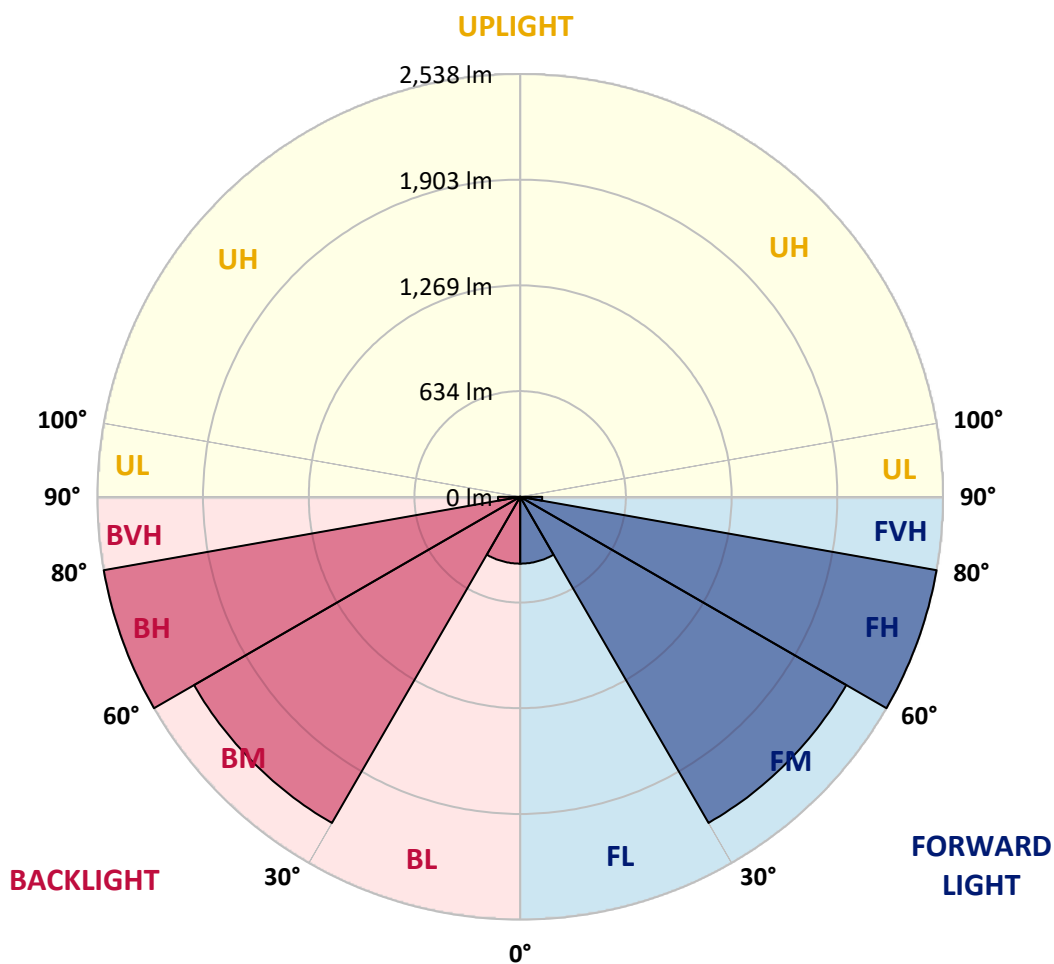
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	401.1	3.8			
FM	(30°-60°)	2260.3	21.2			
FH	(60°-80°)	2537.8	23.8			G2/5000
FVH	(80°-90°)	132.9	1.2			G2/225
BL	(0°-30°)	401.1	3.8	B1/500		
BM	(30°-60°)	2260.3	21.2	B2/2500		
BH	(60°-80°)	2537.8	23.8	B4/5000		G2/5000
BVH	(80°-90°)	132.9	1.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1
2.5°	829.6	829.6	829.6	829.6	829.1	828.6	828.1	828.1	828.1	827.6	827.6
5°	831.5	831.0	831.0	830.5	830.5	828.6	826.7	825.2	823.8	822.3	822.8
7.5°	823.8	824.7	824.2	825.2	826.2	825.2	821.3	817.0	813.1	809.7	809.7
10°	824.7	824.2	823.8	824.2	825.2	824.7	820.9	815.0	809.7	805.9	805.4
12.5°	838.3	838.3	835.9	833.9	834.9	833.9	831.0	824.2	819.9	816.0	816.5
15°	864.9	863.9	860.5	857.6	856.2	855.7	853.8	848.9	843.6	839.2	840.7
17.5°	897.3	897.3	890.6	889.1	887.6	891.5	887.2	880.4	876.0	873.6	873.6
20°	936.5	937.5	931.7	928.8	929.3	929.8	927.8	920.6	915.2	912.8	913.8
22.5°	980.6	978.6	977.2	975.7	978.6	979.1	975.2	966.5	963.1	958.3	959.8
25°	1019.3	1019.3	1019.8	1027.5	1032.4	1039.6	1033.8	1020.3	1007.7	1002.8	1002.4
27.5°	1061.4	1060.4	1066.2	1077.4	1092.9	1099.6	1092.4	1075.4	1060.9	1053.7	1050.3
30°	1130.6	1130.1	1131.1	1145.1	1162.1	1172.2	1164.0	1150.0	1136.9	1130.1	1133.0
32.5°	1233.2	1227.4	1236.1	1250.6	1264.2	1268.5	1269.5	1253.5	1237.1	1231.3	1233.7
35°	1290.8	1289.4	1299.0	1316.5	1340.7	1360.5	1345.0	1331.0	1323.2	1315.0	1313.1
37.5°	1422.0	1421.5	1429.2	1427.8	1431.7	1427.3	1434.6	1440.4	1447.6	1441.3	1442.8
40°	1581.2	1577.3	1575.9	1573.0	1562.3	1555.6	1569.1	1579.3	1588.0	1600.1	1594.3
42.5°	1748.2	1741.9	1737.1	1728.3	1717.2	1712.4	1714.3	1732.7	1740.4	1741.9	1742.4
45°	1938.4	1926.8	1906.5	1891.0	1875.5	1874.0	1873.1	1876.9	1877.4	1877.4	1885.2
47.5°	2105.4	2103.9	2074.9	2048.3	2017.3	2017.3	2006.6	2005.2	2011.5	2019.7	2015.4
50°	2247.2	2242.3	2216.7	2193.9	2177.5	2157.6	2142.2	2130.1	2138.8	2146.0	2149.9
52.5°	2361.9	2361.4	2344.0	2335.3	2329.0	2316.9	2281.1	2259.3	2261.2	2269.9	2267.5
55°	2463.0	2469.8	2470.8	2481.9	2493.5	2484.8	2450.5	2417.6	2400.6	2388.0	2387.5
57.5°	2578.7	2583.1	2596.6	2632.4	2665.8	2673.6	2638.7	2589.9	2542.9	2511.9	2500.3
60°	2699.2	2700.2	2735.5	2792.2	2853.1	2878.8	2847.8	2767.5	2682.3	2615.0	2602.9
62.5°	2807.7	2805.2	2858.5	2944.1	3046.7	3088.4	3047.2	2929.6	2782.5	2688.6	2672.6
65°	2854.6	2860.9	2931.1	3062.7	3207.9	3289.2	3236.0	3040.5	2826.5	2699.7	2680.4
67.5°	2769.4	2787.3	2899.6	3106.3	3333.8	3476.5	3383.1	3085.9	2789.7	2625.2	2599.5
69°	2647.5	2651.8	2797.5	3068.0	3367.6	3541.9	3423.8	3062.2	2715.7	2506.6	2479.5
70°	2495.5	2526.0	2698.3	3006.6	3361.8	3562.2	3423.3	3017.2	2625.7	2405.5	2357.5
72.5°	2026.0	2037.1	2282.0	2753.9	3219.5	3451.4	3259.7	2768.4	2280.6	1952.9	1940.3
75°	1357.1	1410.8	1705.6	2275.7	2812.0	3054.0	2814.4	2272.8	1710.0	1301.0	1243.9
77.5°	703.7	734.2	996.1	1483.0	2044.4	2330.0	2098.6	1590.4	1053.2	636.0	603.5
80°	346.1	362.5	460.3	683.9	1059.0	1284.0	1176.1	835.9	493.2	315.1	296.2
82.5°	194.6	200.9	255.5	318.5	441.4	514.0	481.1	407.5	247.8	186.8	181.5
85°	101.2	106.5	159.2	196.5	219.7	222.2	221.7	218.8	156.3	114.2	108.9
87.5°	47.9	52.8	81.8	107.9	113.7	109.9	116.6	101.2	74.1	51.8	45.5
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)