

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: P946976

Luminaire Tested: **GALN-SB2C-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

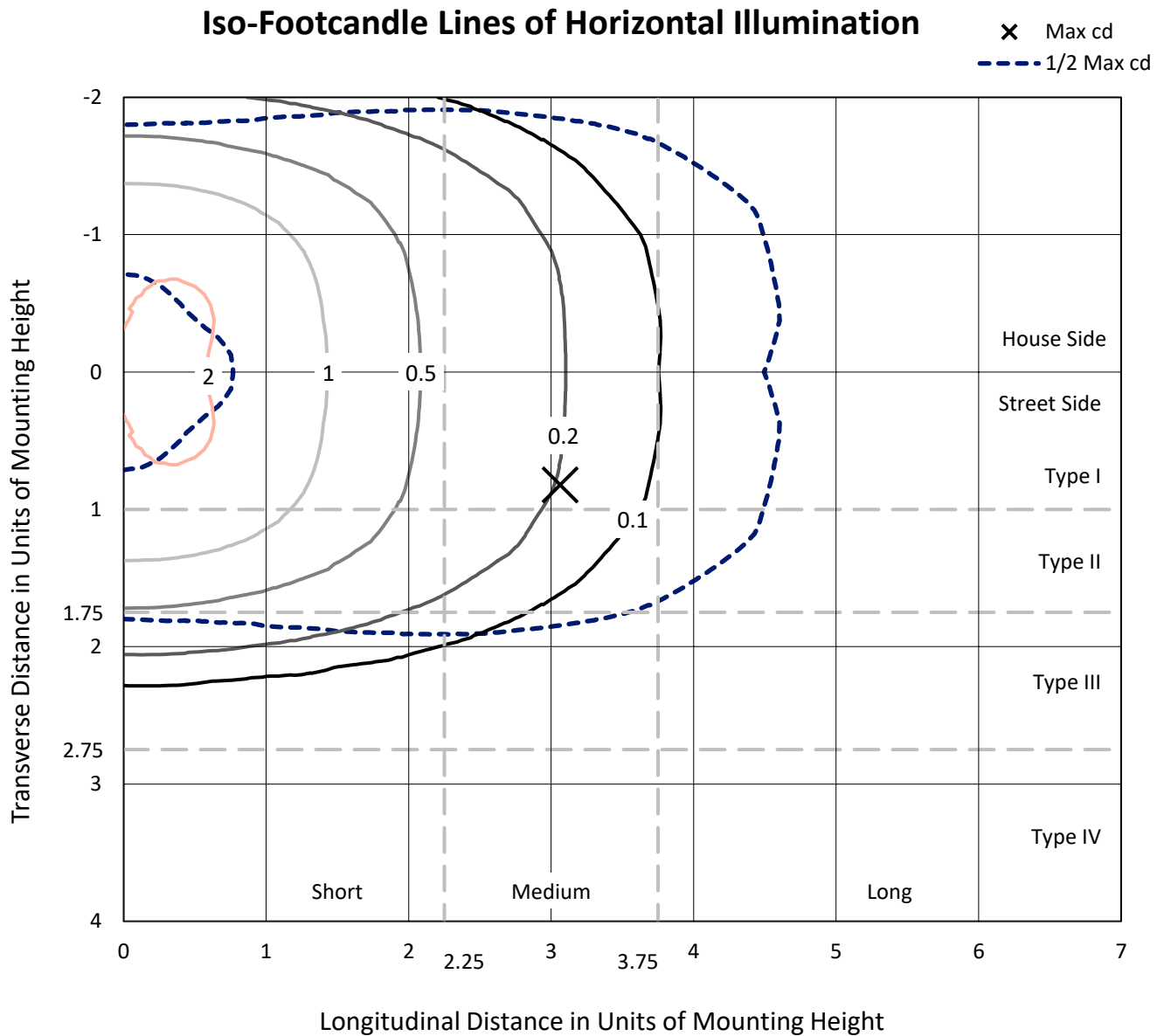
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12740 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

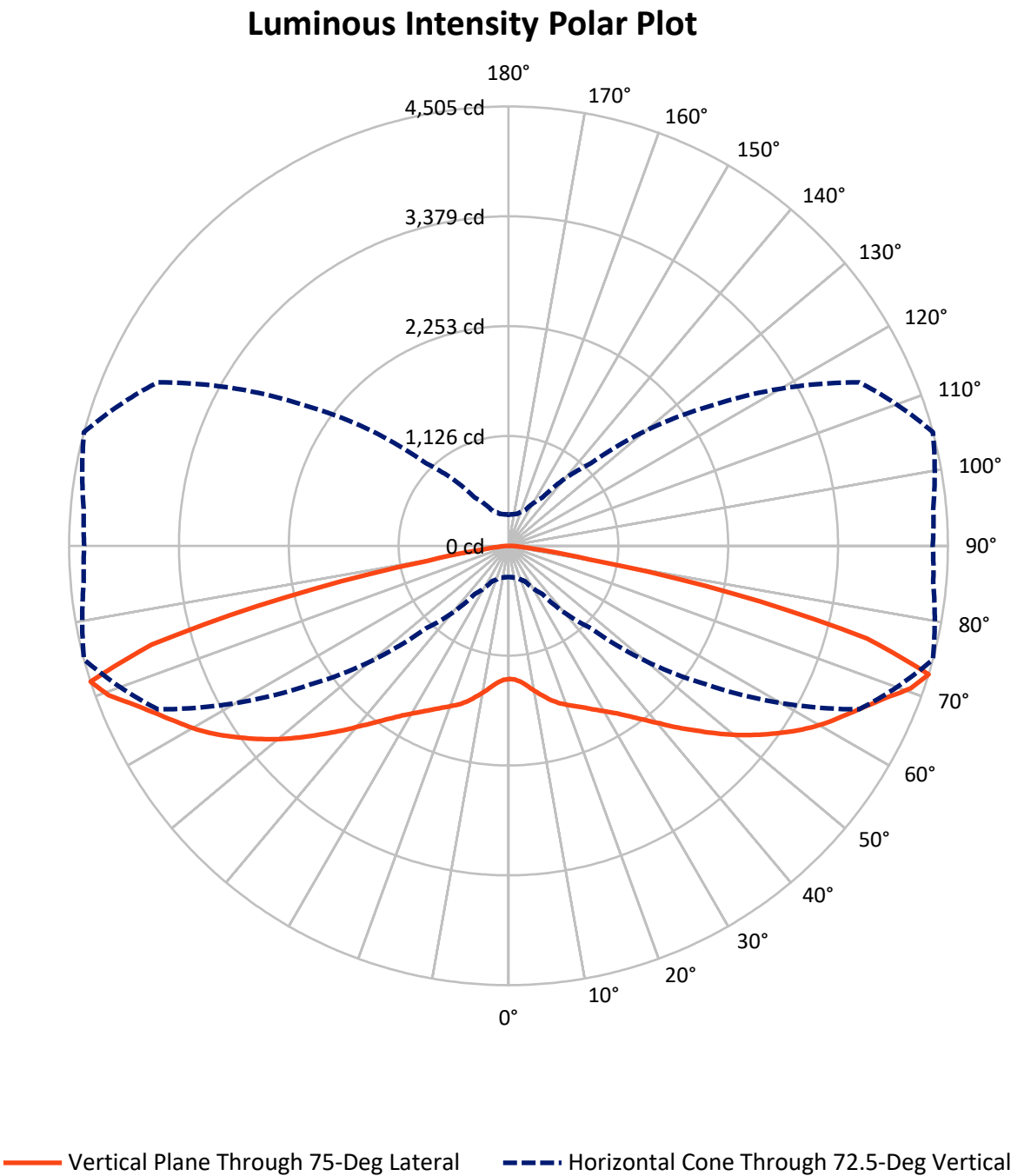
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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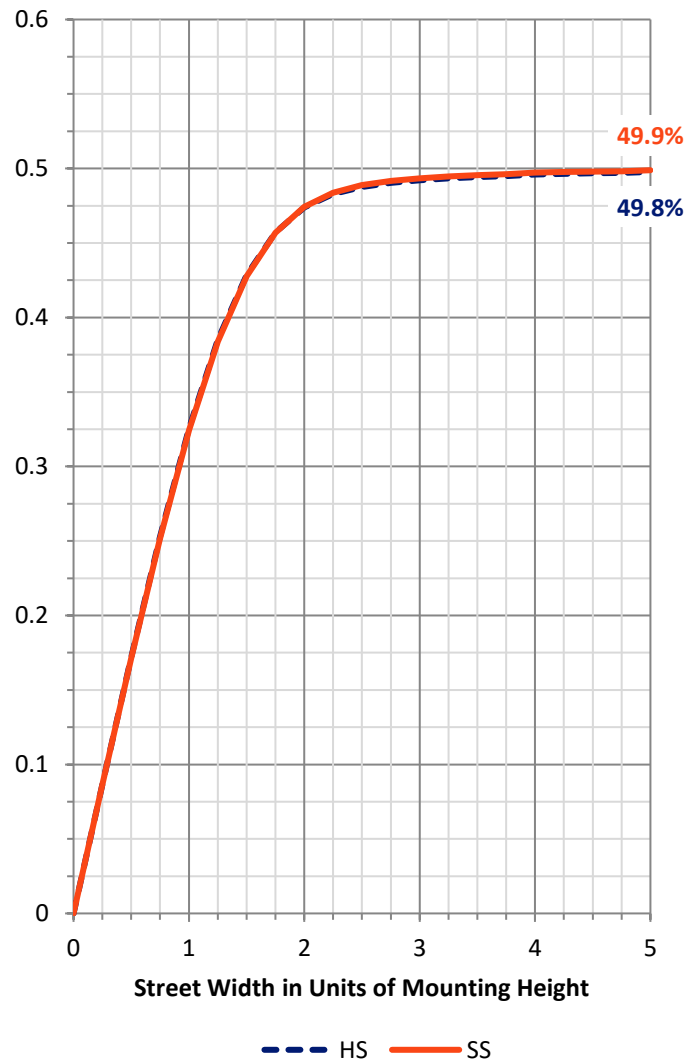
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6370.0	0.0	6370.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6370.0	0.0	6370.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12740.0	0.0	12740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	1.0
10°-20°	440.9	3.5
20°-30°	852.0	6.7
30°-40°	1438.6	11.3
40°-50°	2281.5	17.9
50°-60°	3054.6	24.0
60°-70°	2907.0	22.8
70°-80°	1516.9	11.9
80°-90°	114.8	0.9
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°	12740.0	100.0
0°-180°	12740.0	100.0

Coefficient of Utilization



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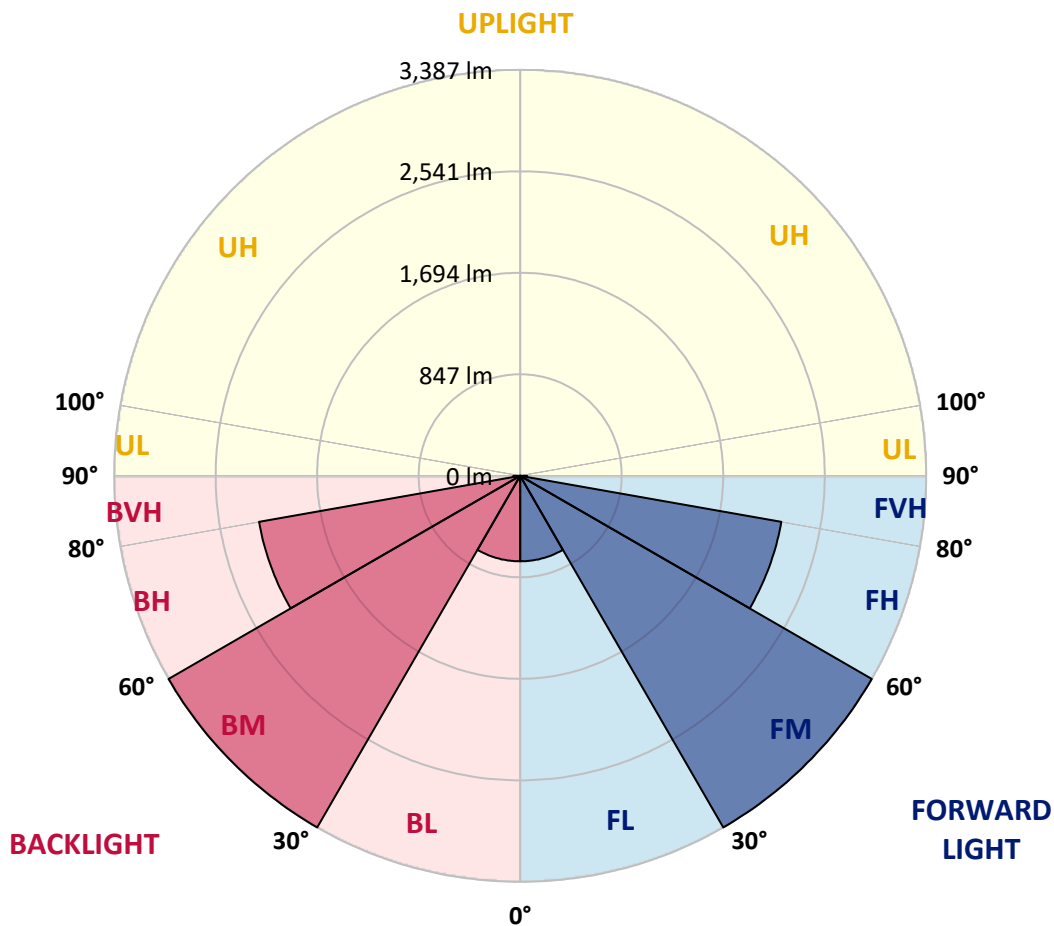
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	713.3	5.6			
FM	(30°-60°)	3387.3	26.6			
FH	(60°-80°)	2212.0	17.4			G2/5000
FVH	(80°-90°)	57.4	0.5			G1/100
BL	(0°-30°)	713.3	5.6	B2/1000		
BM	(30°-60°)	3387.3	26.6	B3/5000		
BH	(60°-80°)	2212.0	17.4	B3/2500		G3/2500
BVH	(80°-90°)	57.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7
2.5°	1364.7	1363.4	1364.7	1366.0	1365.3	1365.3	1368.6	1370.5	1374.4	1373.8	1373.1
5°	1355.6	1354.9	1360.1	1366.0	1370.5	1378.3	1388.1	1395.3	1404.4	1406.3	1406.3
7.5°	1351.0	1349.1	1358.2	1368.6	1382.9	1402.4	1421.3	1440.8	1456.4	1461.6	1462.9
10°	1354.3	1354.9	1367.3	1386.8	1409.6	1436.9	1463.6	1496.7	1518.8	1524.0	1529.3
12.5°	1369.2	1367.9	1388.7	1420.0	1451.2	1485.7	1516.9	1553.3	1577.4	1589.7	1594.9
15°	1396.6	1394.0	1423.2	1469.4	1514.9	1555.3	1580.6	1615.1	1643.1	1658.7	1664.5
17.5°	1429.1	1430.4	1468.8	1528.6	1588.4	1634.0	1658.0	1675.6	1697.1	1710.7	1717.2
20°	1486.3	1488.9	1531.9	1602.8	1671.1	1723.1	1742.6	1736.1	1742.0	1752.4	1760.2
22.5°	1563.1	1564.4	1612.5	1689.3	1760.8	1818.1	1831.1	1804.4	1788.1	1795.3	1800.5
25°	1652.2	1660.6	1708.8	1787.5	1861.0	1915.6	1921.5	1881.2	1840.8	1842.8	1846.0
27.5°	1760.8	1768.6	1817.4	1895.5	1970.3	2017.8	2017.1	1963.1	1903.9	1889.0	1893.5
30°	1878.6	1887.0	1937.1	2017.8	2087.4	2129.0	2119.9	2055.5	1970.9	1942.9	1946.2
32.5°	2018.4	2023.6	2074.3	2155.0	2219.4	2252.6	2233.7	2154.4	2049.0	2017.1	2024.9
35°	2187.5	2195.3	2233.1	2309.2	2365.8	2393.1	2361.2	2267.5	2149.1	2113.4	2118.6
37.5°	2380.7	2375.5	2418.4	2486.1	2532.9	2549.8	2506.3	2395.0	2263.6	2221.3	2229.2
40°	2582.4	2579.8	2626.6	2691.6	2717.0	2727.4	2663.0	2541.4	2395.7	2350.1	2365.1
42.5°	2765.1	2763.2	2826.3	2898.5	2929.1	2917.3	2836.0	2696.8	2548.5	2496.5	2509.5
45°	2911.5	2908.9	2986.3	3087.8	3147.6	3128.1	3018.8	2868.6	2703.3	2649.4	2661.7
47.5°	3024.0	3025.3	3108.6	3234.1	3338.9	3346.0	3205.5	3043.5	2873.8	2812.6	2830.8
50°	3105.3	3109.2	3198.4	3337.6	3480.7	3543.8	3396.1	3223.1	3050.0	2981.1	3001.9
52.5°	3125.5	3132.7	3240.0	3403.2	3571.7	3692.1	3589.9	3395.4	3217.2	3151.5	3168.4
55°	3018.2	3032.5	3168.4	3398.0	3627.7	3789.6	3760.4	3570.4	3385.7	3318.0	3336.9
57.5°	2771.6	2791.8	2950.5	3250.4	3615.3	3856.6	3892.4	3738.2	3554.2	3489.1	3504.1
60°	2426.2	2450.3	2602.5	2929.7	3441.0	3881.3	3985.4	3901.5	3709.0	3645.9	3659.5
62.5°	1905.2	1936.4	2118.6	2502.4	3072.8	3766.2	4064.8	4049.2	3848.2	3769.5	3778.6
65°	1222.2	1255.4	1447.3	1900.7	2581.7	3413.7	4089.5	4192.9	3995.2	3885.2	3898.9
67.5°	737.0	751.9	846.9	1152.0	1887.0	2882.2	3880.0	4352.3	4166.9	4030.3	4040.7
70°	471.6	480.0	536.6	676.5	1066.8	2103.0	3361.0	4382.2	4375.0	4179.3	4178.0
72.5°	320.0	322.6	337.6	400.7	603.6	1194.9	2478.9	3967.2	4505.1	4371.1	4350.3
75°	234.2	248.5	272.5	283.6	342.8	597.1	1420.6	2787.3	3796.8	3855.3	3713.5
77.5°	174.3	175.0	208.1	221.2	244.6	318.1	601.0	1555.9	2357.3	2475.0	2207.7
80°	147.7	139.9	139.2	178.2	184.1	198.4	268.6	537.3	844.3	511.9	387.0
82.5°	122.9	114.5	103.4	139.2	125.5	121.6	116.4	218.6	268.6	132.0	112.5
85°	85.9	82.0	78.1	91.1	71.6	61.1	55.9	102.1	113.2	55.9	49.4
87.5°	37.1	38.4	39.0	40.3	29.9	21.5	21.5	28.6	28.6	22.1	16.3
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)