

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: STREETWORKS

Report Number: P527268

Luminaire Tested: **GLAN-SA2B-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527268  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2B-735-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

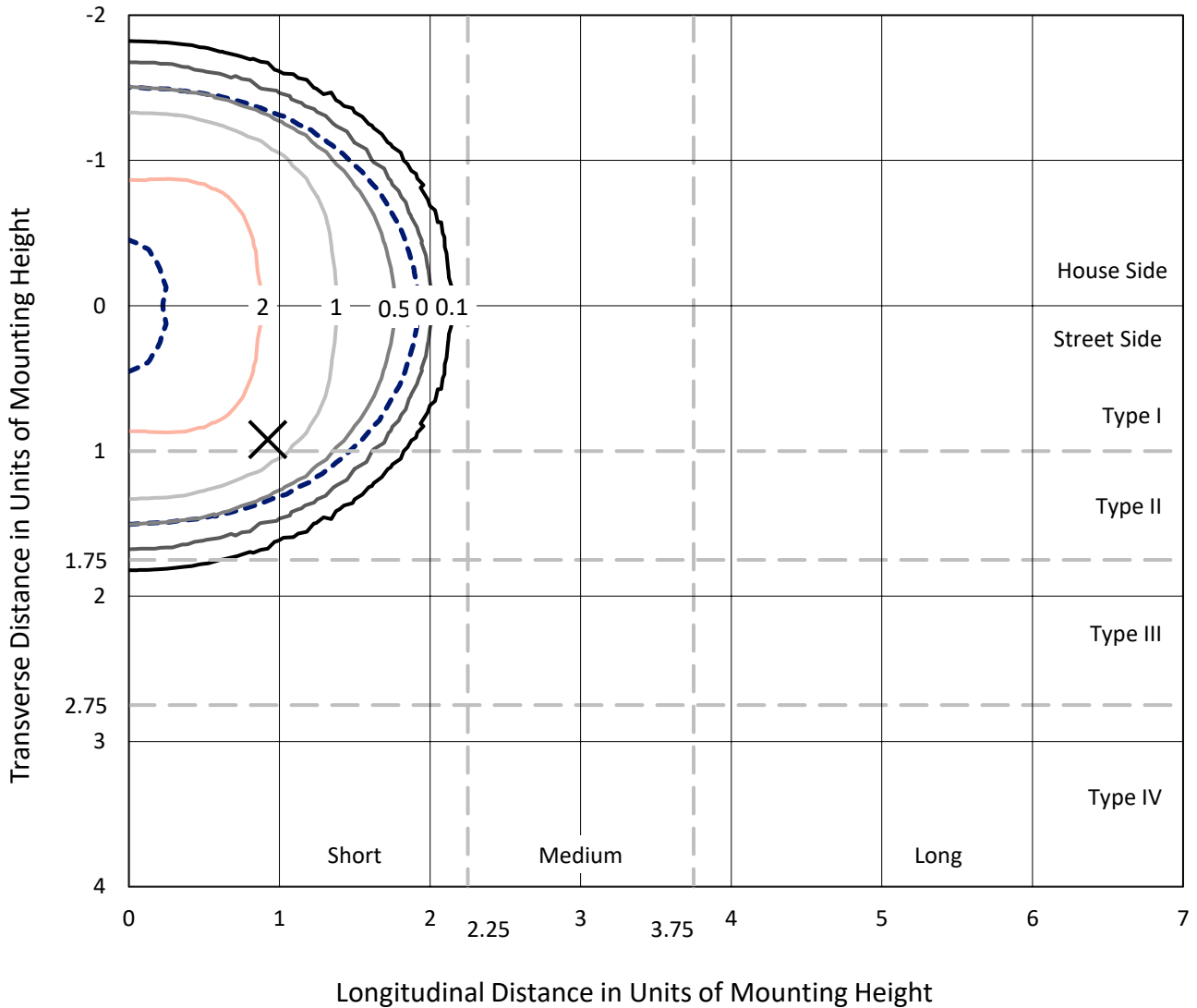
Lumens per Lamp: N/A  
Luminaire Lumens: 9340 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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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### Iso-Footcandle Lines of Horizontal Illumination

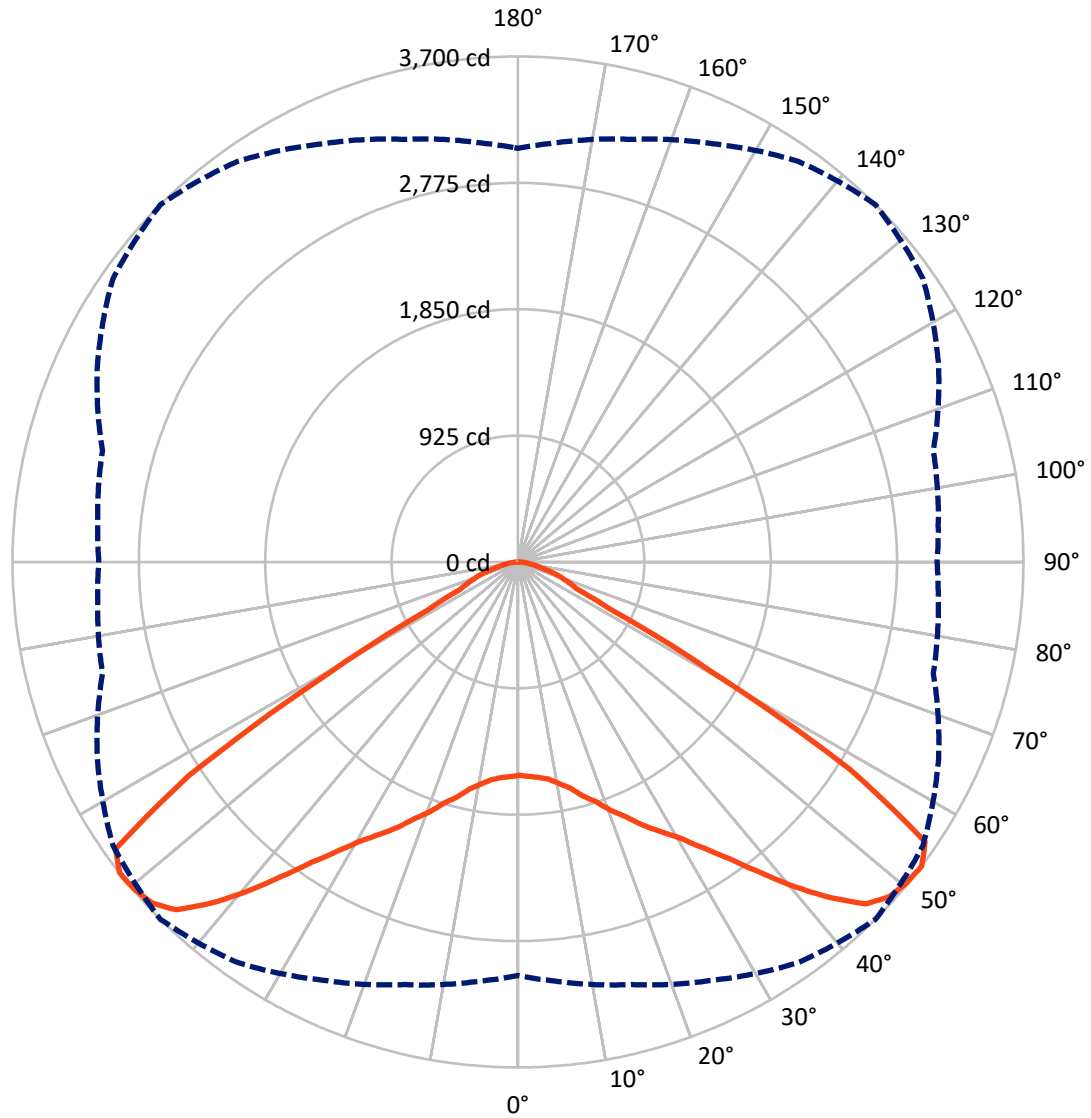
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4670.0   | 0.0    | 4670.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4670.0   | 0.0    | 4670.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 9340.0   | 0.0    | 9340.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 153.4  | 1.6       |
| 10°-20°   | 504.0  | 5.4       |
| 20°-30°   | 959.6  | 10.3      |
| 30°-40°   | 1647.7 | 17.6      |
| 40°-50°   | 2532.6 | 27.1      |
| 50°-60°   | 2571.8 | 27.5      |
| 60°-70°   | 716.7  | 7.7       |
| 70°-80°   | 211.4  | 2.3       |
| 80°-90°   | 42.6   | 0.5       |
| 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°    | 9340.0 | 100.0     |
| 0°-180°   | 9340.0 | 100.0     |



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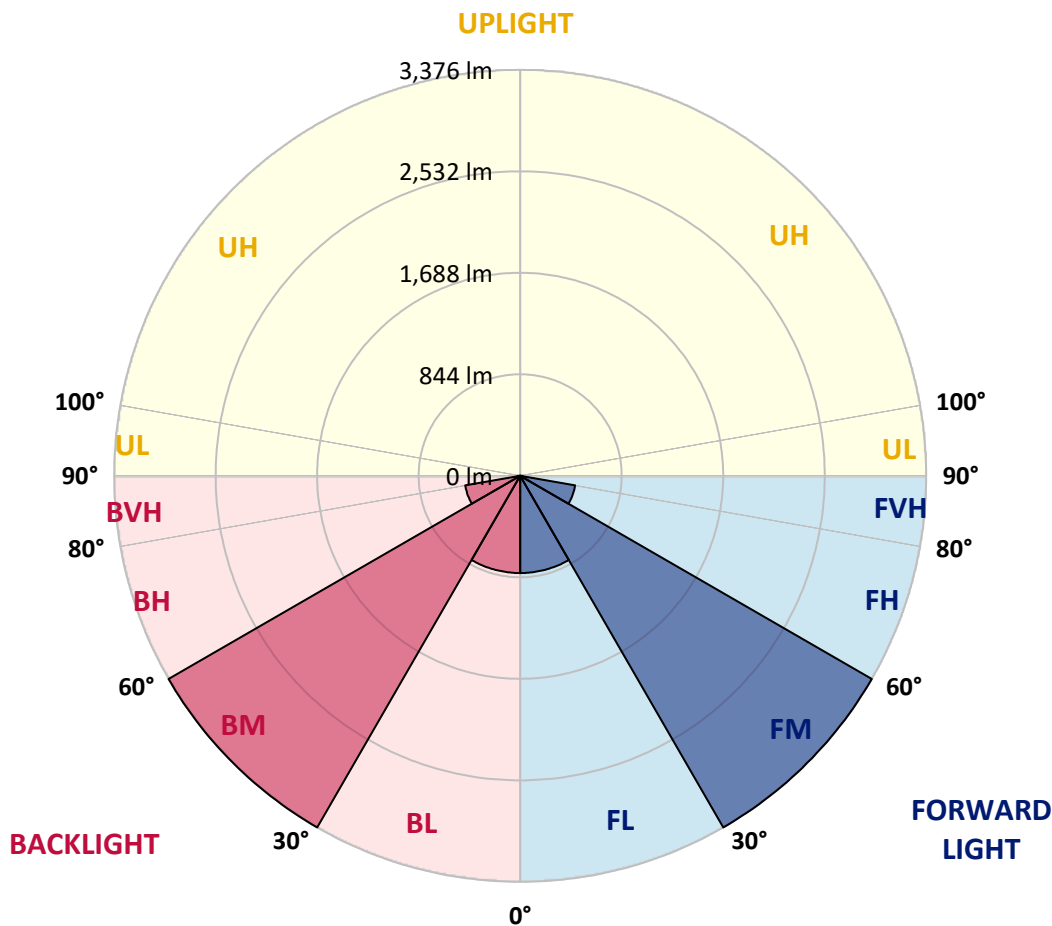
CATALOG NUMBER: GLAN-SA2B-735-U-RW-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 808.5  | 8.7       |                         |      |        |
| FM (30°-60°)   | 3376.1 | 36.1      |                         |      |        |
| FH (60°-80°)   | 464.1  | 5.0       |                         |      | G0/660 |
| FVH (80°-90°)  | 21.3   | 0.2       |                         |      | G1/100 |
| BL (0°-30°)    | 808.5  | 8.7       | B2/1000                 |      |        |
| BM (30°-60°)   | 3376.1 | 36.1      | B3/5000                 |      |        |
| BH (60°-80°)   | 464.1  | 5.0       | B1/500                  |      | G0/660 |
| BVH (80°-90°)  | 21.3   | 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





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1561.3 | 1561.3 | 1561.3 | 1561.3 | 1561.3 | 1561.3 | 1561.3 | 1561.3 | 1561.3 | 1561.3 | 1561.3 |
| 2.5°  | 1564.8 | 1548.6 | 1554.3 | 1557.8 | 1572.9 | 1571.7 | 1568.3 | 1572.9 | 1577.5 | 1578.7 | 1576.4 |
| 5°    | 1563.6 | 1552.0 | 1556.7 | 1560.1 | 1575.2 | 1583.3 | 1581.0 | 1600.7 | 1614.6 | 1611.1 | 1628.5 |
| 7.5°  | 1554.3 | 1561.3 | 1555.5 | 1572.9 | 1585.6 | 1605.3 | 1626.2 | 1644.8 | 1662.1 | 1681.9 | 1685.3 |
| 10°   | 1575.2 | 1575.2 | 1585.6 | 1599.6 | 1633.2 | 1648.2 | 1678.4 | 1705.0 | 1738.6 | 1761.8 | 1752.6 |
| 12.5° | 1597.2 | 1600.7 | 1600.7 | 1636.6 | 1664.5 | 1698.1 | 1725.9 | 1761.8 | 1809.4 | 1837.2 | 1851.1 |
| 15°   | 1619.3 | 1621.6 | 1633.2 | 1681.9 | 1723.6 | 1776.9 | 1802.4 | 1834.9 | 1861.5 | 1913.7 | 1914.8 |
| 17.5° | 1639.0 | 1651.7 | 1686.5 | 1741.0 | 1793.1 | 1844.1 | 1884.7 | 1918.3 | 1941.5 | 1962.4 | 1957.7 |
| 20°   | 1713.1 | 1722.4 | 1758.4 | 1812.8 | 1890.5 | 1940.3 | 1954.2 | 1960.0 | 1975.1 | 2016.8 | 2004.1 |
| 22.5° | 1785.0 | 1788.5 | 1822.1 | 1905.6 | 1960.0 | 2026.1 | 2041.2 | 2037.7 | 2043.5 | 2053.9 | 2072.5 |
| 25°   | 1859.2 | 1865.0 | 1911.4 | 1982.1 | 2058.6 | 2137.4 | 2150.1 | 2123.5 | 2115.4 | 2126.9 | 2128.1 |
| 27.5° | 1954.2 | 1955.4 | 2014.5 | 2075.9 | 2162.9 | 2237.1 | 2256.8 | 2235.9 | 2197.6 | 2206.9 | 2222.0 |
| 30°   | 2074.8 | 2066.7 | 2125.8 | 2213.9 | 2305.4 | 2347.2 | 2380.8 | 2370.4 | 2328.6 | 2320.5 | 2307.8 |
| 32.5° | 2213.9 | 2216.2 | 2269.5 | 2365.7 | 2426.0 | 2495.5 | 2531.5 | 2514.1 | 2487.4 | 2473.5 | 2481.6 |
| 35°   | 2409.8 | 2420.2 | 2456.1 | 2536.1 | 2633.5 | 2668.2 | 2725.0 | 2687.9 | 2618.4 | 2635.8 | 2650.9 |
| 37.5° | 2570.9 | 2601.0 | 2668.2 | 2763.3 | 2821.2 | 2885.0 | 2905.9 | 2856.0 | 2805.0 | 2784.2 | 2834.0 |
| 40°   | 2817.8 | 2808.5 | 2882.7 | 2977.7 | 3063.5 | 3127.2 | 3100.6 | 3050.7 | 2924.4 | 2925.6 | 2939.5 |
| 42.5° | 3029.9 | 3034.5 | 3091.3 | 3204.9 | 3322.0 | 3361.4 | 3276.8 | 3155.1 | 3014.8 | 2999.7 | 3029.9 |
| 45°   | 3208.4 | 3226.9 | 3259.4 | 3411.2 | 3526.0 | 3568.9 | 3412.4 | 3268.7 | 3080.9 | 3018.3 | 3068.1 |
| 47.5° | 3272.1 | 3302.3 | 3373.0 | 3512.1 | 3625.7 | 3660.4 | 3535.2 | 3328.9 | 3142.3 | 3040.3 | 3067.0 |
| 50°   | 3281.4 | 3271.0 | 3386.9 | 3514.4 | 3614.1 | 3689.4 | 3579.3 | 3373.0 | 3127.2 | 3073.9 | 3065.8 |
| 52.5° | 3027.6 | 3078.6 | 3202.6 | 3377.6 | 3579.3 | 3699.8 | 3618.7 | 3397.3 | 3148.1 | 3087.8 | 3068.1 |
| 55°   | 2450.3 | 2390.1 | 2616.1 | 2910.5 | 3281.4 | 3616.4 | 3604.8 | 3410.1 | 3160.9 | 3111.0 | 3084.4 |
| 57.5° | 1367.7 | 1385.1 | 1512.6 | 1832.5 | 2311.2 | 2867.6 | 3204.9 | 3275.6 | 3155.1 | 3126.1 | 3140.0 |
| 60°   | 632.9  | 638.7  | 693.1  | 842.7  | 1139.4 | 1626.2 | 2070.1 | 2521.0 | 2728.5 | 2770.2 | 2770.2 |
| 62.5° | 471.8  | 469.4  | 483.3  | 510.0  | 572.6  | 747.6  | 998.0  | 1356.1 | 1641.3 | 1840.6 | 1892.8 |
| 65°   | 426.5  | 425.4  | 432.3  | 441.6  | 446.3  | 470.6  | 526.2  | 636.3  | 729.1  | 782.4  | 773.1  |
| 67.5° | 373.2  | 372.1  | 374.4  | 380.2  | 388.3  | 401.0  | 415.0  | 438.1  | 470.6  | 468.3  | 462.5  |
| 70°   | 301.4  | 301.4  | 304.8  | 309.5  | 318.8  | 333.8  | 350.0  | 366.3  | 394.1  | 399.9  | 398.7  |
| 72.5° | 222.5  | 219.1  | 226.0  | 235.3  | 244.6  | 263.1  | 280.5  | 295.6  | 315.3  | 321.1  | 318.8  |
| 75°   | 141.4  | 143.7  | 148.4  | 158.8  | 175.0  | 187.8  | 206.3  | 219.1  | 231.8  | 236.5  | 237.6  |
| 77.5° | 78.8   | 81.1   | 89.3   | 102.0  | 118.2  | 132.1  | 148.4  | 158.8  | 166.9  | 168.1  | 169.2  |
| 80°   | 47.5   | 48.7   | 56.8   | 68.4   | 82.3   | 97.4   | 110.1  | 120.5  | 127.5  | 124.0  | 122.9  |
| 82.5° | 29.0   | 30.1   | 37.1   | 47.5   | 59.1   | 70.7   | 84.6   | 93.9   | 100.8  | 96.2   | 91.6   |
| 85°   | 15.1   | 16.2   | 22.0   | 29.0   | 38.3   | 44.0   | 44.0   | 39.4   | 38.3   | 35.9   | 34.8   |
| 87.5° | 4.6    | 4.6    | 5.8    | 7.0    | 5.8    | 7.0    | 8.1    | 9.3    | 9.3    | 10.4   | 9.3    |
| 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)