

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: P533482

Luminaire Tested: **GALN-SA8D-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533482
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: McGRAW-EDISON
Catalog Number: GALN-SA8D-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1200mA 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: 43496 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 493
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

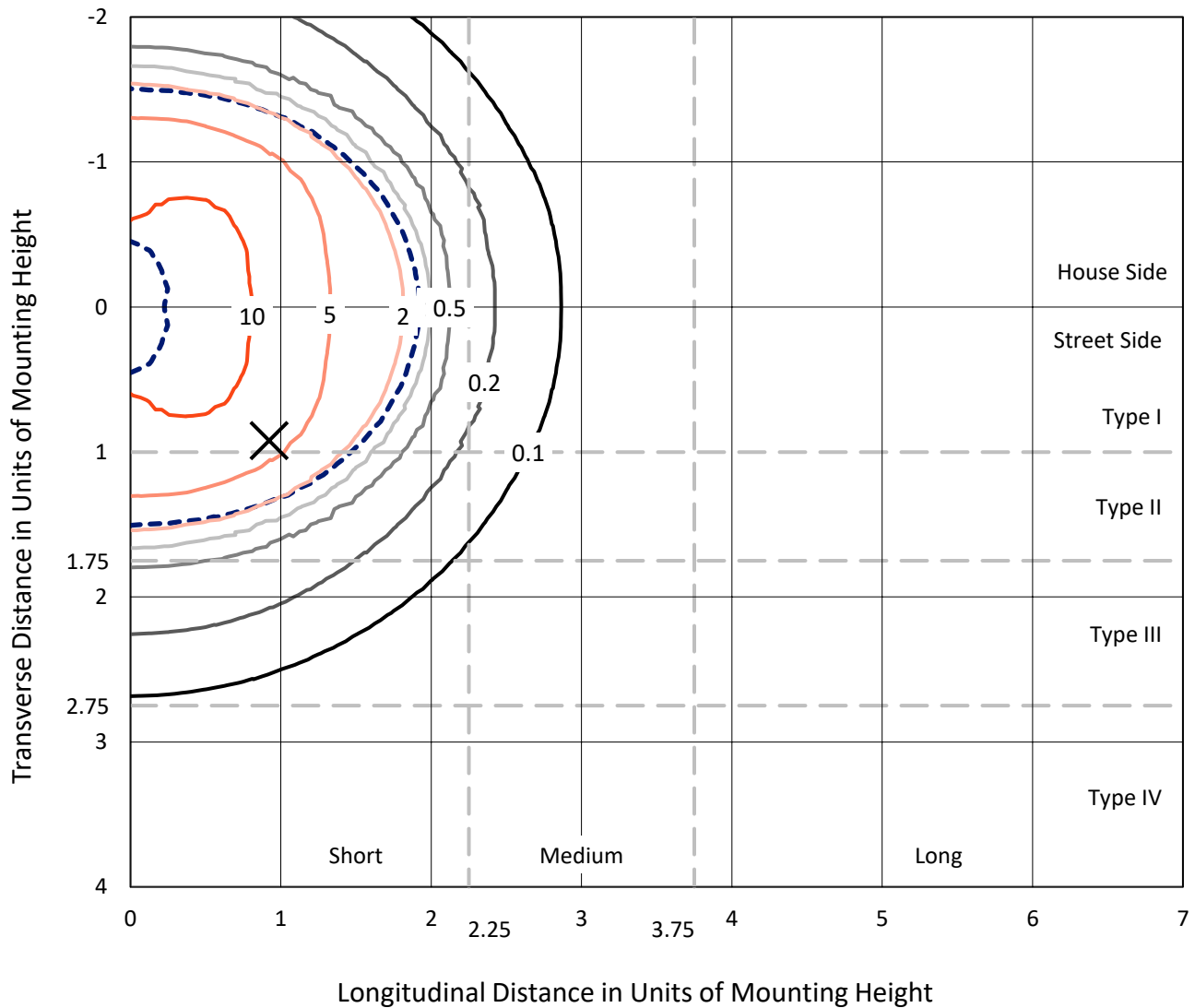


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

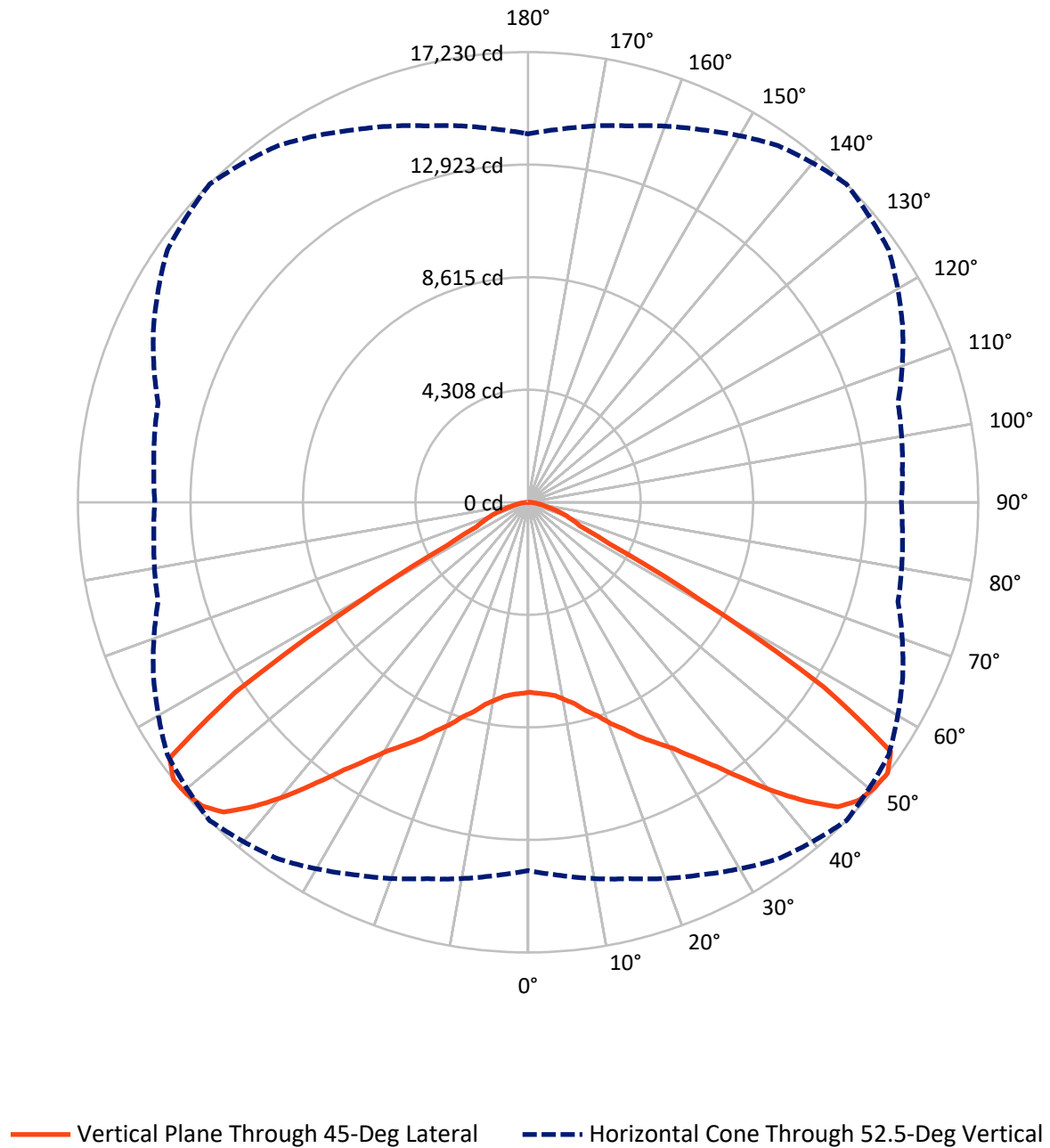


Based on 25 foot mounting height. Maximum calculated value = 12.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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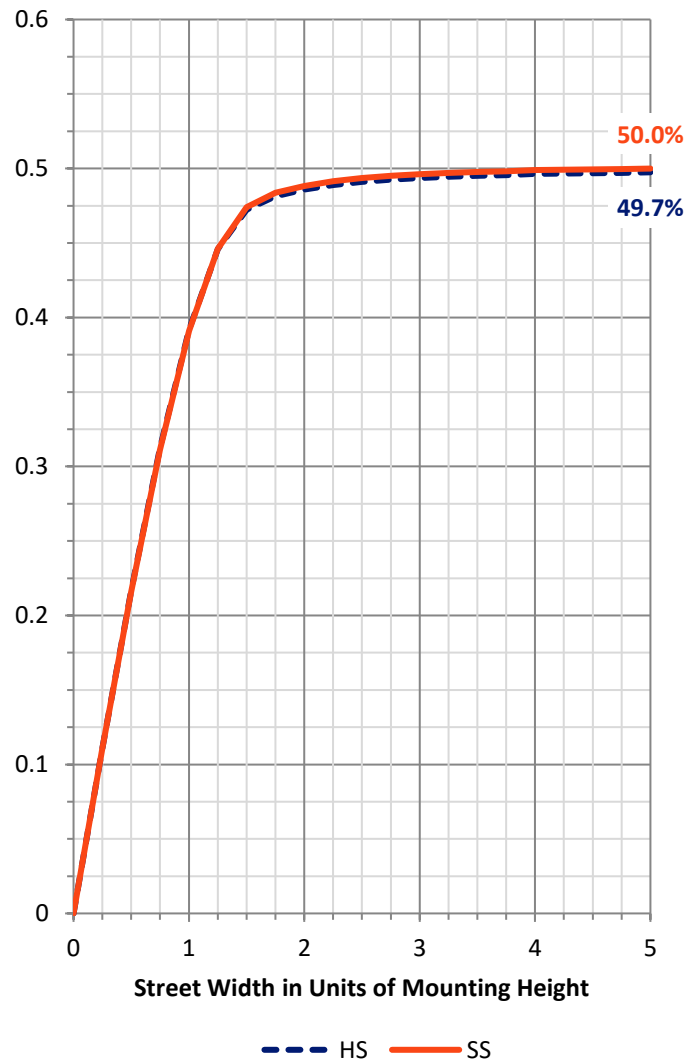
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21748.0	0.0	21748.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21748.0	0.0	21748.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43496.0	0.0	43496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.3	1.6
10°-20°	2347.3	5.4
20°-30°	4468.9	10.3
30°-40°	7673.5	17.6
40°-50°	11794.3	27.1
50°-60°	11976.9	27.5
60°-70°	3337.8	7.7
70°-80°	984.6	2.3
80°-90°	198.3	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°	43496.0	100.0
0°-180°	43496.0	100.0

Coefficient of Utilization



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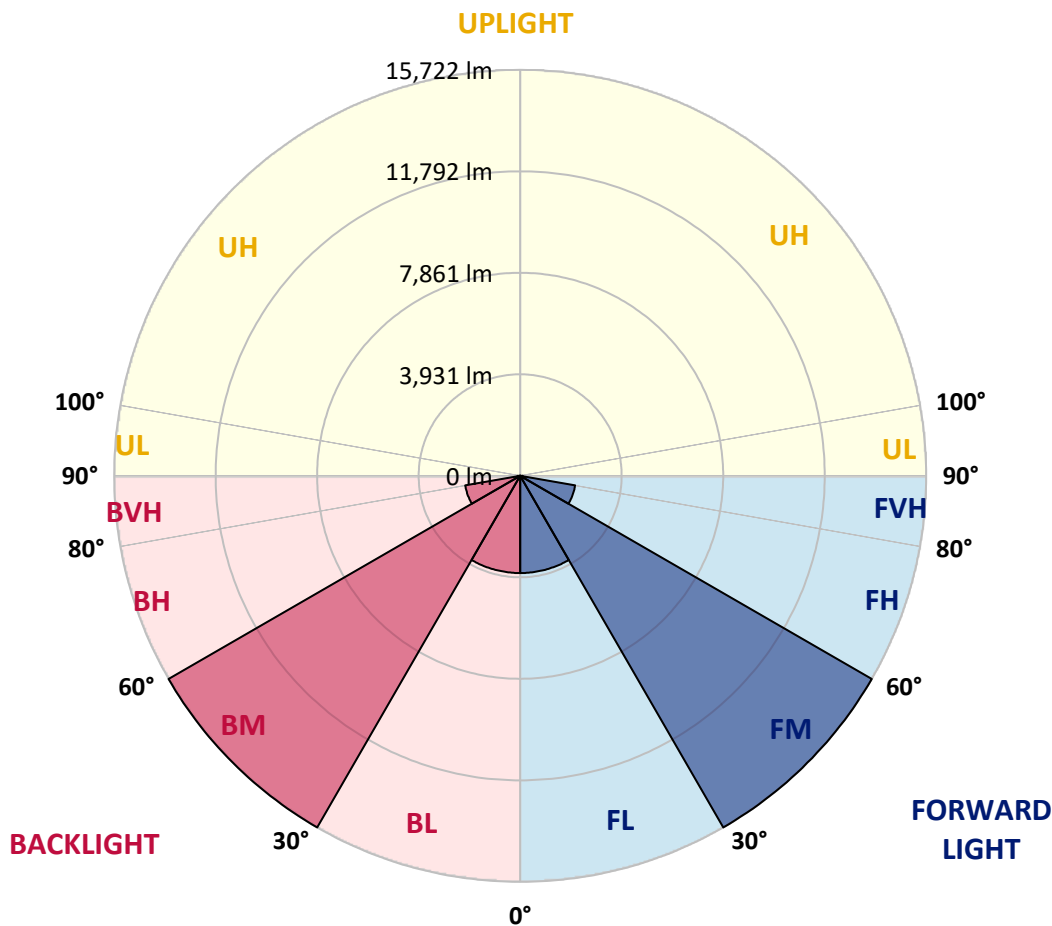
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3765.3	8.7			
FM	(30°-60°)	15722.3	36.1			
FH	(60°-80°)	2161.2	5.0			G2/5000
FVH	(80°-90°)	99.2	0.2			G1/100
BL	(0°-30°)	3765.3	8.7	B4/5000		
BM	(30°-60°)	15722.3	36.1	B5		
BH	(60°-80°)	2161.2	5.0	B3/2500		G2/5000
BVH	(80°-90°)	99.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7270.9	7270.9	7270.9	7270.9	7270.9	7270.9	7270.9	7270.9	7270.9	7270.9	7270.9
2.5°	7287.1	7211.6	7238.5	7254.7	7324.9	7319.5	7303.3	7324.9	7346.5	7351.9	7341.1
5°	7281.7	7227.7	7249.3	7265.5	7335.7	7373.5	7362.7	7454.5	7519.2	7503.0	7584.0
7.5°	7238.5	7270.9	7243.9	7324.9	7384.3	7476.0	7573.2	7659.6	7740.5	7832.3	7848.5
10°	7335.7	7335.7	7384.3	7449.1	7605.6	7675.8	7816.1	7940.3	8096.8	8204.8	8161.6
12.5°	7438.3	7454.5	7454.5	7621.8	7751.3	7907.9	8037.4	8204.8	8426.1	8555.6	8620.4
15°	7540.8	7551.6	7605.6	7832.3	8026.6	8274.9	8393.7	8544.8	8669.0	8911.9	8917.3
17.5°	7632.6	7692.0	7853.9	8107.6	8350.5	8588.0	8776.9	8933.5	9041.4	9138.6	9117.0
20°	7978.1	8021.2	8188.6	8442.3	8803.9	9036.0	9100.8	9127.8	9198.0	9392.3	9332.9
22.5°	8312.7	8328.9	8485.5	8874.1	9127.8	9435.5	9505.6	9489.5	9516.4	9565.0	9651.4
25°	8658.2	8685.2	8901.1	9230.4	9586.6	9953.7	10013.0	9888.9	9851.1	9905.1	9910.5
27.5°	9100.8	9106.2	9381.5	9667.6	10072.4	10417.9	10509.7	10412.5	10234.4	10277.5	10347.7
30°	9662.2	9624.4	9899.7	10309.9	10736.4	10930.7	11087.2	11038.6	10844.3	10806.5	10747.2
32.5°	10309.9	10320.7	10569.0	11017.1	11297.7	11621.6	11788.9	11708.0	11583.8	11519.1	11556.8
35°	11222.2	11270.8	11438.1	11810.5	12264.0	12425.9	12690.4	12517.7	12193.8	12274.8	12344.9
37.5°	11972.5	12112.8	12425.9	12868.5	13138.4	13435.3	13532.5	13300.3	13062.8	12965.7	13197.8
40°	13122.2	13079.0	13424.5	13867.1	14266.6	14563.5	14439.3	14207.2	13618.8	13624.2	13689.0
42.5°	14110.0	14131.6	14396.1	14925.1	15470.3	15653.8	15259.8	14693.0	14039.9	13969.7	14110.0
45°	14941.3	15027.7	15178.8	15885.9	16420.3	16620.0	15891.3	15222.0	14347.5	14056.1	14288.2
47.5°	15238.2	15378.5	15707.8	16355.5	16884.5	17046.5	16463.5	15502.7	14633.6	14158.6	14282.8
50°	15281.4	15232.8	15772.6	16366.3	16830.6	17181.4	16668.6	15707.8	14563.5	14315.1	14277.4
52.5°	14099.2	14336.7	14914.3	15729.4	16668.6	17230.0	16852.1	15821.2	14660.6	14379.9	14288.2
55°	11411.1	11130.4	12183.0	13554.0	15281.4	16841.4	16787.4	15880.5	14720.0	14487.9	14363.7
57.5°	6369.5	6450.5	7044.2	8534.0	10763.4	13354.3	14925.1	15254.4	14693.0	14558.1	14622.8
60°	2947.2	2974.2	3227.9	3924.3	5306.1	7573.2	9640.6	11740.4	12706.6	12900.9	12900.9
62.5°	2196.9	2186.1	2250.9	2375.1	2666.5	3481.6	4647.6	6315.5	7643.4	8571.8	8814.7
65°	1986.4	1981.0	2013.4	2056.6	2078.2	2191.5	2450.6	2963.4	3395.3	3643.6	3600.4
67.5°	1738.1	1732.7	1743.5	1770.5	1808.3	1867.7	1932.4	2040.4	2191.5	2180.7	2153.7
70°	1403.4	1403.4	1419.6	1441.2	1484.4	1554.6	1630.2	1705.7	1835.3	1862.3	1856.9
72.5°	1036.4	1020.2	1052.6	1095.8	1139.0	1225.3	1306.3	1376.5	1468.2	1495.2	1484.4
75°	658.5	669.3	690.9	739.5	815.1	874.5	960.8	1020.2	1079.6	1101.2	1106.6
77.5°	367.1	377.9	415.6	475.0	550.6	615.4	690.9	739.5	777.3	782.7	788.1
80°	221.3	226.7	264.5	318.5	383.2	453.4	512.8	561.4	593.8	577.6	572.2
82.5°	134.9	140.3	172.7	221.3	275.3	329.3	394.0	437.2	469.6	448.0	426.4
85°	70.2	75.6	102.6	134.9	178.1	205.1	205.1	183.5	178.1	167.3	161.9
87.5°	21.6	21.6	27.0	32.4	27.0	32.4	37.8	43.2	43.2	48.6	43.2
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)