

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P628908

Luminaire Tested: GWS-SA1A-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2850.2 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

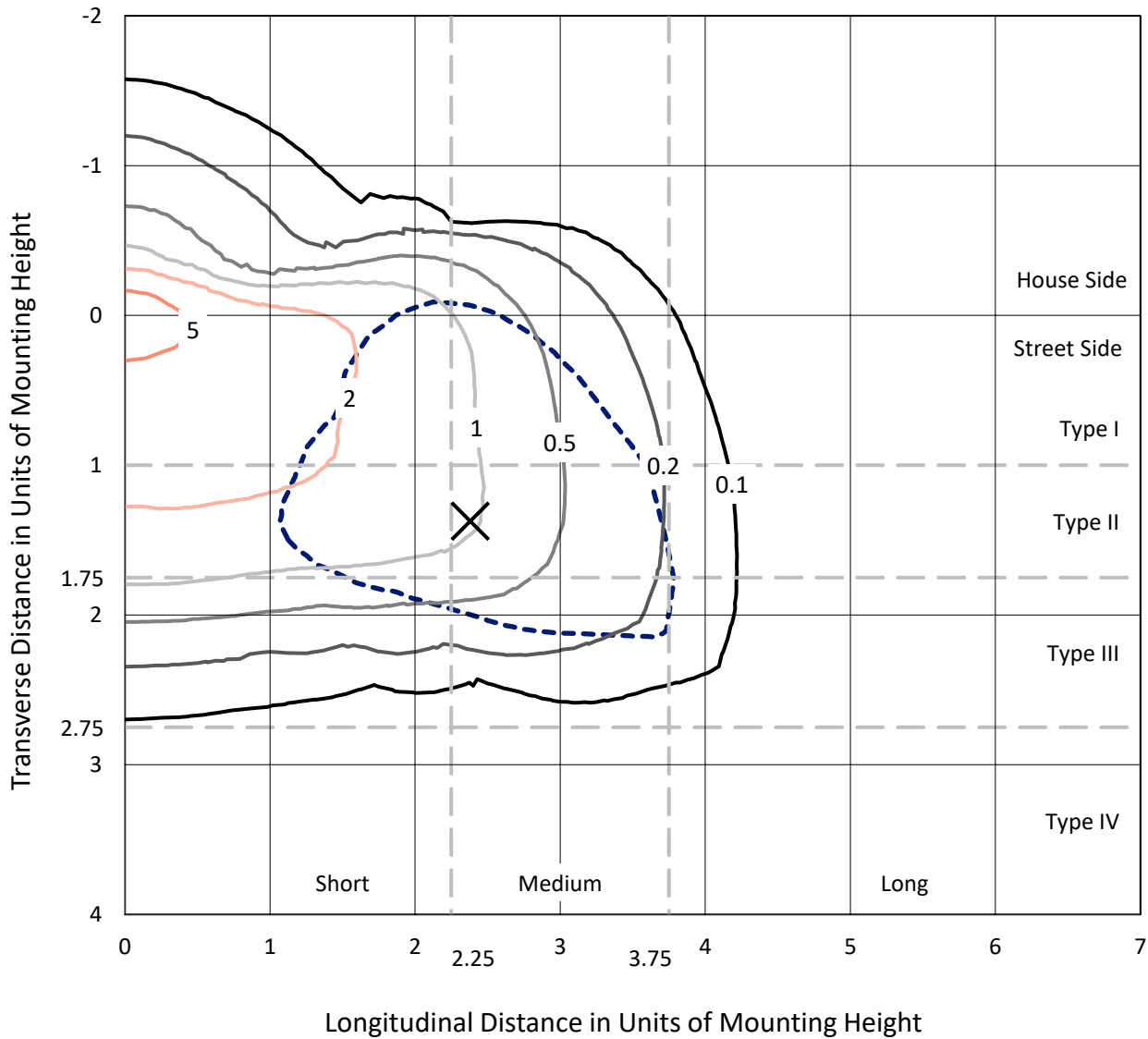
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

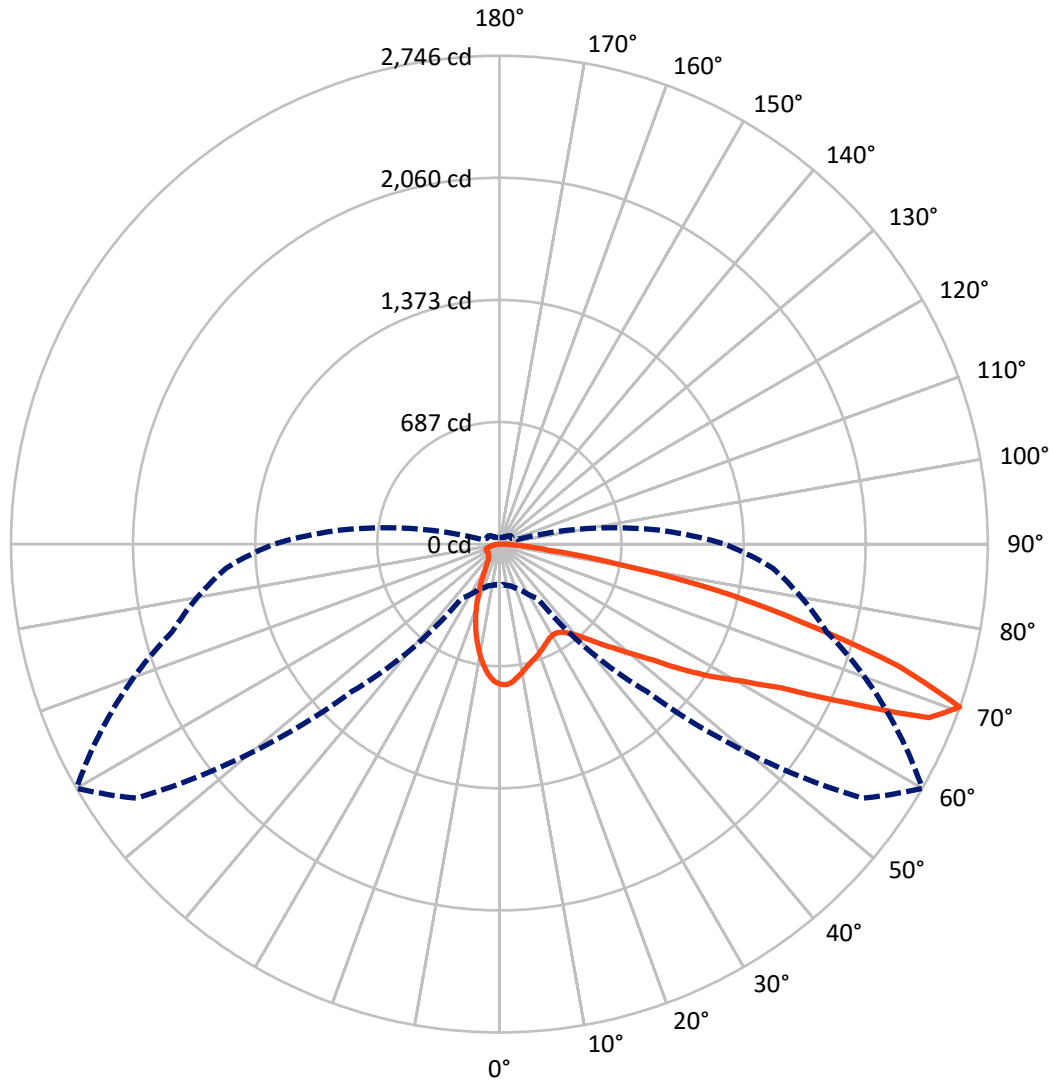
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	487.5	0.0	487.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	2362.8	0.0	2362.8
	% Fixture	82.9	0.0	82.9
Total	Lumens	2850.2	0.0	2850.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	2.4
10°-20°	152.3	5.3
20°-30°	195.0	6.8
30°-40°	256.3	9.0
40°-50°	371.9	13.0
50°-60°	580.3	20.4
60°-70°	759.7	26.7
70°-80°	420.1	14.7
80°-90°	46.6	1.6
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°	2850.2	100.0
0°-180°	2850.2	100.0

Coefficient of Utilization



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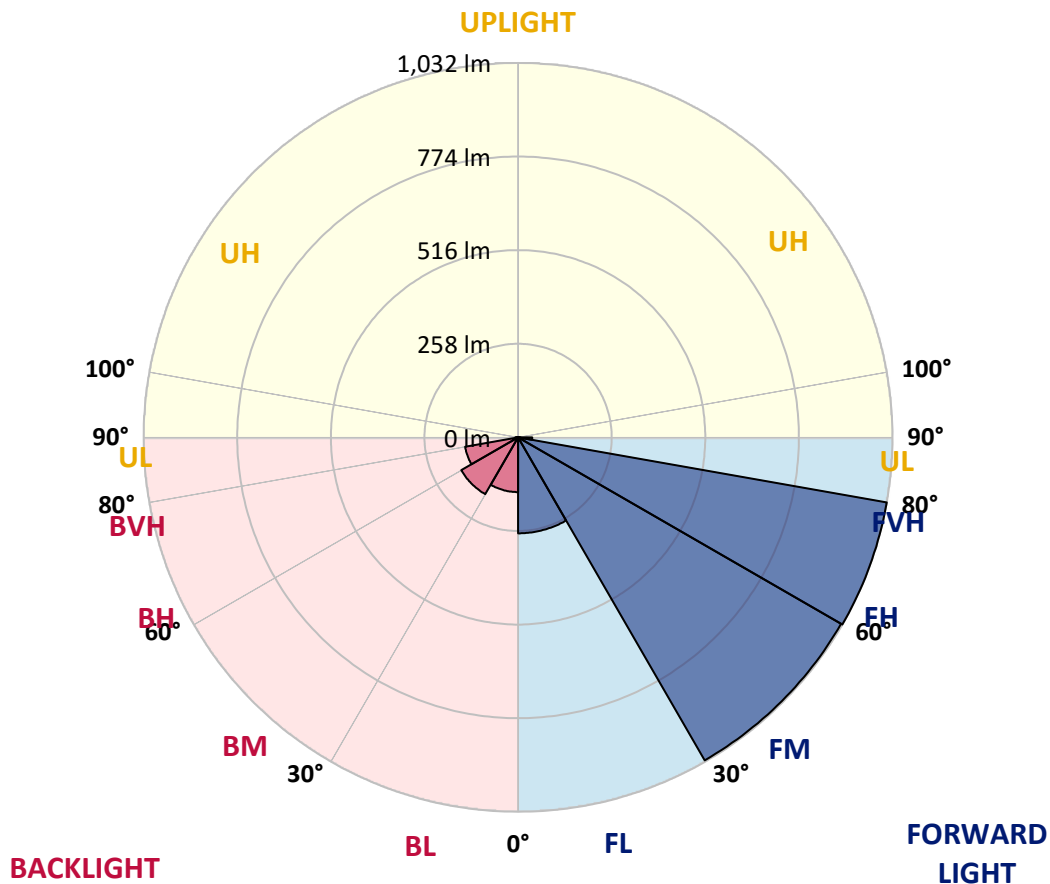
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.5	9.3			
FM (30°-60°)	1027.8	36.1			
FH (60°-80°)	1031.6	36.2			G1/1800
FVH (80°-90°)	38.8	1.4			G1/100
BL (0°-30°)	150.8	5.3	B1/500		
BM (30°-60°)	180.7	6.3	B0/220		
BH (60°-80°)	148.1	5.2	B1/500		G1/500
BVH (80°-90°)	7.8	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7
2.5°	777.6	778.5	780.8	784.1	787.4	789.1	793.3	792.0	791.2	789.5	787.4
5°	743.2	744.9	747.0	753.4	760.7	766.6	776.0	777.0	777.4	778.3	774.9
7.5°	699.4	699.9	704.9	713.4	723.0	733.0	748.6	753.0	756.8	761.0	758.2
10°	651.1	652.1	655.8	668.2	684.6	699.4	720.5	727.8	735.7	744.9	741.1
12.5°	611.4	611.6	617.7	630.8	648.8	668.8	695.1	703.8	714.2	728.6	725.3
15°	579.9	579.9	585.6	596.8	617.5	641.0	672.3	683.6	697.8	717.2	711.3
17.5°	554.9	555.1	558.7	570.6	588.9	615.0	652.1	667.3	683.0	708.6	699.9
20°	541.8	540.7	541.4	548.7	564.3	589.5	631.9	649.6	670.7	702.8	689.4
22.5°	541.2	539.3	536.6	537.2	546.4	567.2	610.2	631.7	658.1	698.0	678.8
25°	551.8	549.7	544.9	539.5	538.7	551.2	589.7	614.1	645.2	695.9	668.6
27.5°	569.7	568.3	562.0	553.9	545.3	544.9	574.3	599.8	635.8	698.0	661.3
30°	593.5	591.0	587.0	576.6	563.7	550.3	568.3	592.0	629.6	704.6	658.1
32.5°	620.4	618.9	615.2	604.8	591.0	569.7	573.1	593.7	629.6	716.3	658.8
35°	649.0	648.8	648.8	641.9	626.7	600.2	592.0	607.9	639.2	735.1	665.4
37.5°	676.7	676.5	683.2	685.7	668.4	639.8	624.4	636.2	660.2	762.8	681.9
40°	699.2	700.1	714.7	727.2	717.6	691.1	669.4	675.5	694.4	802.2	710.7
42.5°	722.0	724.2	746.1	768.3	772.0	749.1	727.2	730.7	743.4	854.4	753.7
45°	746.8	747.8	778.5	809.3	827.5	813.9	796.0	800.8	803.7	918.8	817.7
47.5°	770.8	773.5	813.1	855.4	889.8	888.6	878.6	877.1	877.7	997.2	893.4
50°	803.5	807.5	854.0	905.1	955.5	978.7	981.6	970.5	965.9	1084.4	987.6
52.5°	865.6	865.6	907.3	957.6	1025.4	1082.7	1102.3	1084.2	1069.6	1176.6	1087.7
55°	943.4	946.8	979.9	1020.6	1106.5	1192.2	1258.5	1238.5	1197.2	1276.9	1192.6
57.5°	978.0	982.2	1034.8	1097.9	1212.6	1316.7	1408.7	1401.6	1341.3	1381.1	1301.5
60°	915.5	924.2	996.6	1102.5	1308.8	1517.5	1582.4	1561.7	1475.6	1490.6	1419.5
62.5°	763.7	773.3	853.5	1001.4	1295.4	1734.6	1856.2	1780.1	1643.3	1628.9	1576.7
65°	455.7	455.2	551.8	747.8	1130.9	1794.9	2289.5	2147.5	1902.3	1818.7	1738.6
67.5°	289.7	289.0	309.3	396.2	752.6	1647.2	2568.1	2605.0	2254.1	1958.2	1751.9
70°	228.6	228.3	242.9	282.6	372.2	1172.2	2490.6	2746.0	2466.6	1905.0	1542.5
72.5°	166.6	167.0	189.6	236.7	287.2	588.5	2016.8	2349.6	2268.7	1681.6	1252.3
75°	119.7	120.3	133.9	181.2	264.8	321.8	1341.1	1766.7	1726.1	1348.0	861.5
77.5°	76.1	77.0	88.8	127.0	214.0	259.8	813.1	1247.3	1148.4	759.5	306.3
80°	46.5	49.2	59.2	94.7	171.0	195.0	406.4	657.1	575.1	208.3	103.0
82.5°	24.0	26.1	35.7	58.6	117.8	171.2	230.0	276.1	178.1	87.2	54.8
85°	7.5	8.8	12.5	23.8	56.1	106.1	152.2	137.2	81.7	41.1	25.4
87.5°	1.9	1.9	2.1	2.1	2.3	4.8	29.4	31.1	21.7	12.9	10.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7
2.5°	783.3	778.3	776.2	776.0	770.8	763.2	758.2	754.7	752.6	752.2	752.2
5°	769.3	762.8	754.3	747.8	733.8	719.7	707.8	701.1	693.4	692.3	692.1
7.5°	750.7	741.3	725.1	706.9	682.5	659.0	639.0	625.4	611.8	609.3	608.5
10°	730.7	718.0	690.3	658.4	621.9	586.6	556.0	532.0	516.1	504.9	502.8
12.5°	710.9	694.0	653.3	605.8	555.8	507.6	461.5	422.3	393.9	377.5	374.5
15°	692.3	668.8	613.1	552.4	487.4	421.5	356.2	305.3	265.5	251.3	248.0
17.5°	675.5	646.0	574.1	497.2	416.0	329.9	255.7	210.4	187.1	180.0	178.3
20°	658.6	622.7	534.5	439.0	340.3	243.8	186.8	165.6	156.8	154.1	153.3
22.5°	640.4	597.0	491.3	381.6	263.8	182.5	152.9	143.5	140.8	141.0	140.8
25°	622.3	571.0	446.1	319.3	196.4	148.1	133.5	129.9	130.5	132.4	132.8
27.5°	607.3	547.8	401.6	250.9	153.5	127.4	120.5	120.3	122.6	125.1	125.5
30°	596.4	527.2	357.8	192.9	126.4	113.2	110.5	111.8	114.5	116.4	117.0
32.5°	588.7	509.5	311.1	151.6	110.7	103.2	102.0	103.2	104.9	106.8	107.2
35°	586.0	496.5	265.3	123.7	100.1	95.9	95.1	95.7	96.6	97.6	98.0
37.5°	592.0	490.1	217.3	107.6	93.6	91.1	89.9	89.5	89.7	90.1	90.3
40°	610.0	493.0	178.1	98.2	89.5	87.2	85.1	84.2	84.0	84.5	84.2
42.5°	640.8	505.3	149.7	92.8	86.1	82.8	80.5	79.7	79.7	80.7	80.7
45°	686.1	529.5	129.3	88.8	83.2	79.0	76.5	76.1	77.0	78.6	78.8
47.5°	752.4	564.9	117.0	85.9	80.5	75.7	73.2	73.0	74.7	77.4	77.6
50°	831.0	616.0	110.3	83.8	78.6	73.0	70.5	70.7	72.6	75.5	76.1
52.5°	925.7	685.7	110.7	83.0	77.6	71.3	68.8	68.4	70.3	73.2	73.8
55°	1023.5	770.3	118.9	83.2	76.1	70.5	67.1	65.7	67.4	69.4	69.7
57.5°	1131.1	865.8	139.1	82.8	74.2	69.7	65.7	62.4	63.4	64.6	65.3
60°	1252.5	978.2	182.7	83.6	73.4	67.8	62.8	58.4	58.2	59.0	59.2
62.5°	1414.7	1131.1	231.7	85.1	75.3	65.5	58.4	53.8	53.0	53.4	53.6
65°	1538.8	1204.1	216.3	83.8	79.2	63.8	54.2	49.4	47.8	47.3	47.3
67.5°	1488.3	1107.5	150.6	80.5	81.1	64.0	50.9	44.8	42.8	41.7	41.5
70°	1266.4	899.6	104.7	77.2	79.0	63.6	47.3	41.1	38.4	36.9	36.7
72.5°	1000.6	686.9	84.7	70.5	71.7	57.3	42.1	36.9	34.6	32.7	32.7
75°	644.0	419.2	70.7	62.8	58.6	44.6	36.5	32.9	30.7	28.8	28.8
77.5°	216.7	155.6	54.8	53.2	43.8	33.6	30.7	28.4	26.5	24.8	24.6
80°	88.0	73.8	40.2	40.2	30.7	25.7	24.0	22.9	21.7	19.6	19.6
82.5°	51.1	44.8	28.2	24.4	20.4	17.7	16.7	15.6	15.6	14.2	14.2
85°	24.6	24.8	16.9	15.0	11.7	10.2	9.8	9.2	9.0	8.1	7.9
87.5°	13.3	13.6	8.6	6.7	4.6	4.0	3.3	3.1	2.9	2.7	2.7
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)