

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: P628875

Luminaire Tested: GWS-SA1A-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2087.7 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

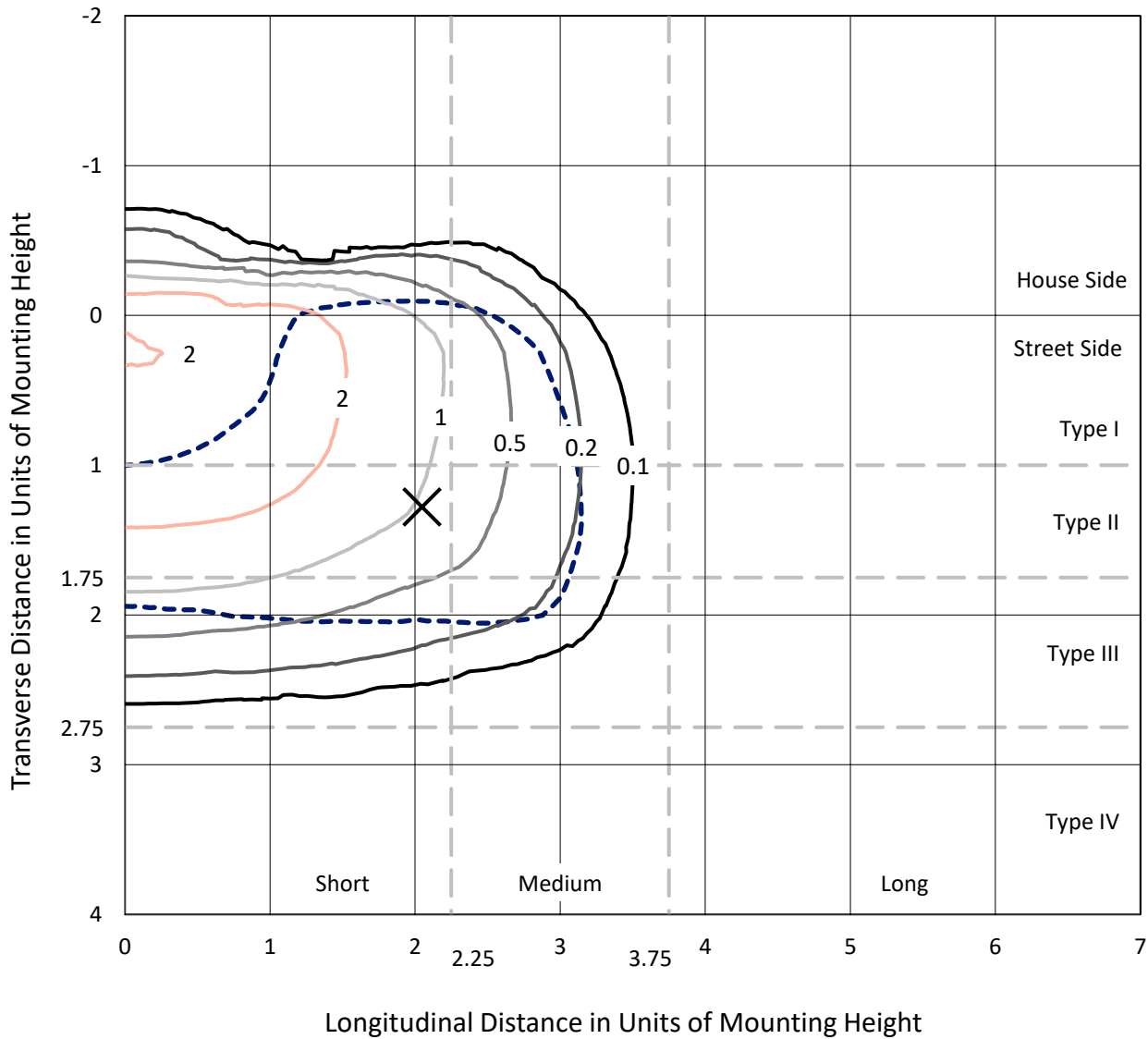
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

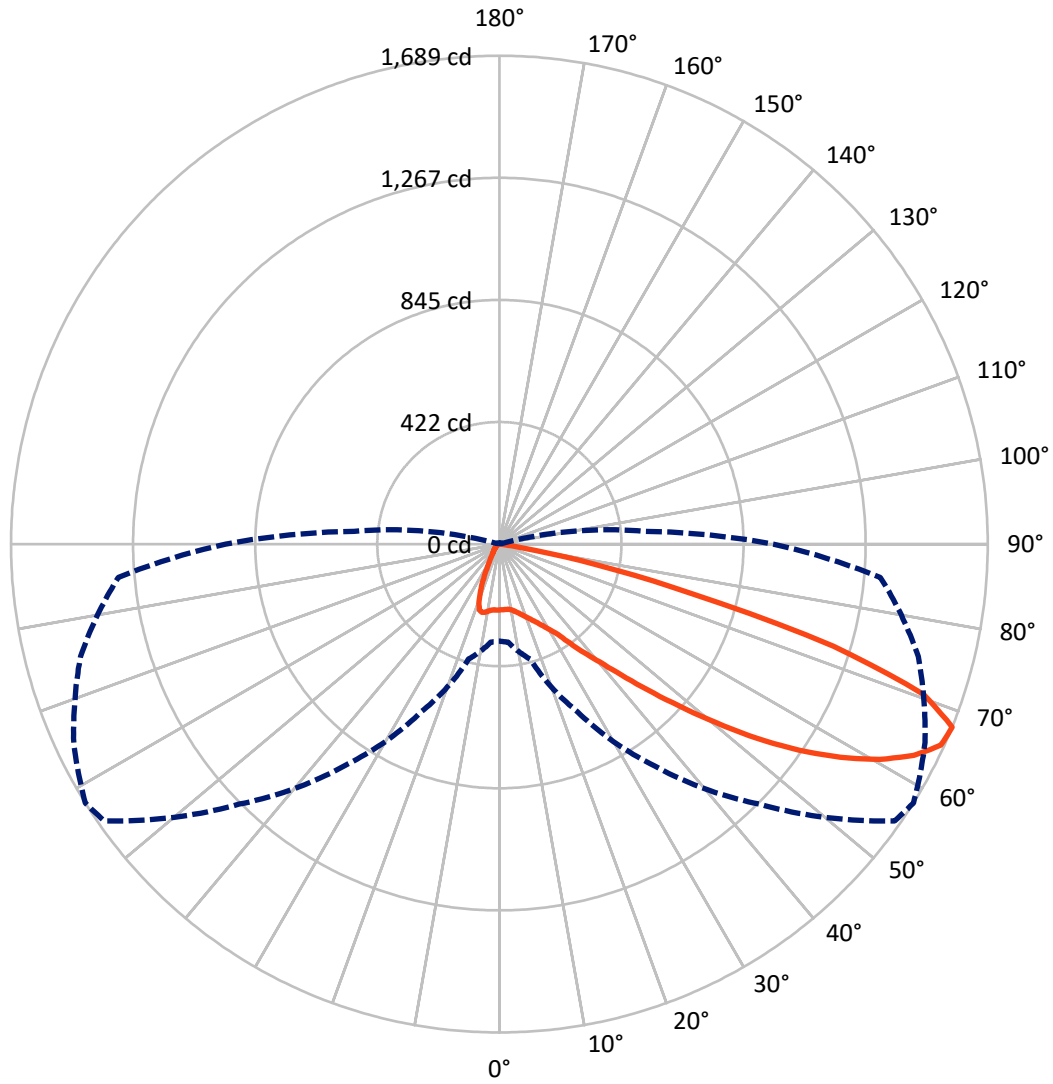
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	227.8	0.0	227.8
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	1859.9	0.0	1859.9
	% Fixture	89.1	0.0	89.1
Total	Lumens	2087.7	0.0	2087.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	1.0
10°-20°	60.0	2.9
20°-30°	104.7	5.0
30°-40°	187.0	9.0
40°-50°	341.9	16.4
50°-60°	568.6	27.2
60°-70°	617.6	29.6
70°-80°	181.3	8.7
80°-90°	5.2	0.2
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°	2087.7	100.0
0°-180°	2087.7	100.0

Coefficient of Utilization



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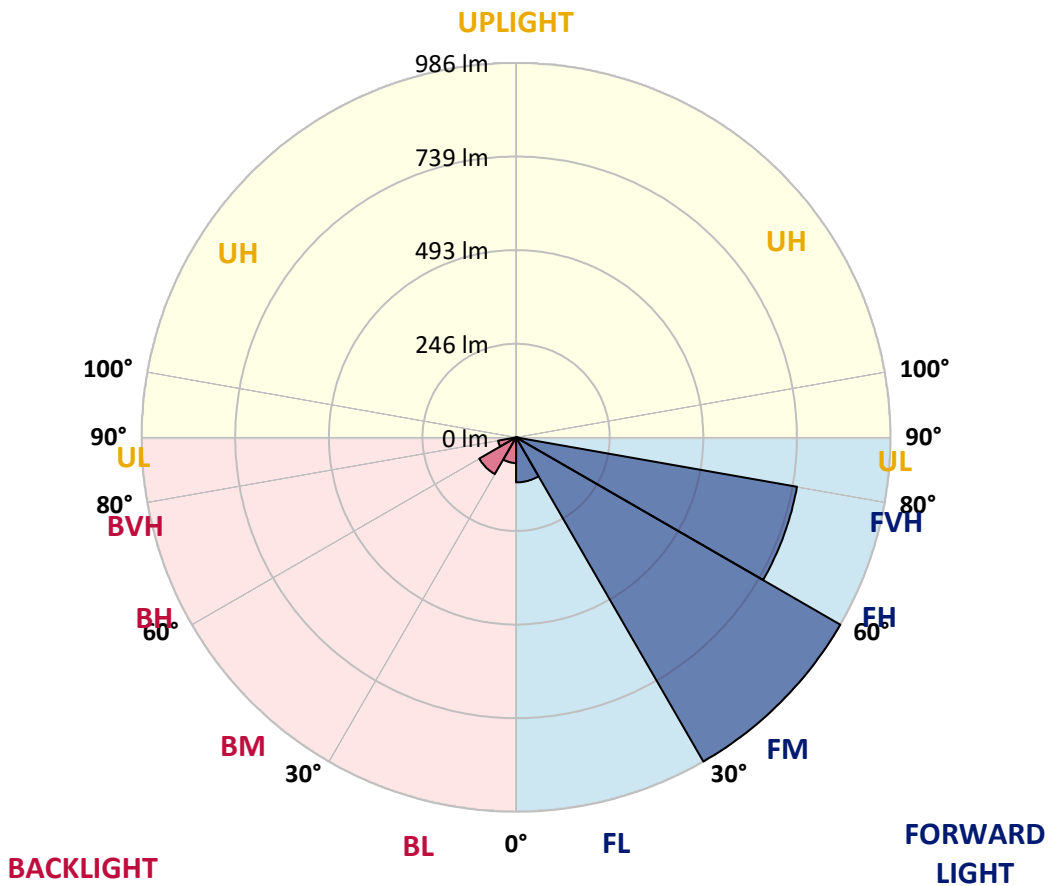
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.5	5.7			
FM (30°-60°)	985.6	47.2			
FH (60°-80°)	750.8	36.0			G1/1800
FVH (80°-90°)	4.9	0.2			G0/10
BL (0°-30°)	67.6	3.2	B0/110		
BM (30°-60°)	111.9	5.4	B0/220		
BH (60°-80°)	48.1	2.3	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5
2.5°	223.2	222.8	222.8	224.4	224.6	225.5	227.3	227.5	228.5	228.1	226.7
5°	211.6	211.8	213.0	215.9	218.3	221.4	225.9	226.9	229.1	230.4	229.5
7.5°	200.8	201.0	202.8	207.3	212.0	218.1	225.5	227.5	232.0	235.2	235.4
10°	196.7	196.5	198.3	203.4	209.6	218.1	228.7	231.4	238.1	243.8	244.8
12.5°	197.9	197.7	199.6	204.3	211.0	221.8	234.4	238.1	246.7	255.4	257.3
15°	202.8	202.6	203.9	207.7	215.1	226.3	241.8	247.3	258.1	268.7	271.5
17.5°	217.5	216.5	215.3	215.7	220.0	231.6	251.1	257.9	271.3	284.0	286.4
20°	243.6	241.0	237.7	233.4	231.4	239.3	261.9	269.7	286.0	300.5	300.9
22.5°	282.9	281.9	274.4	261.9	253.2	253.4	274.6	283.6	303.5	319.4	317.2
25°	337.8	337.2	325.5	305.2	282.3	274.6	290.7	299.9	324.3	341.2	334.1
27.5°	405.9	401.6	387.9	360.4	326.4	302.1	311.1	319.2	346.3	362.2	348.8
30°	465.2	465.4	452.5	423.8	385.5	343.5	335.9	343.1	366.5	383.2	366.9
32.5°	522.3	524.1	510.0	484.1	442.2	397.5	371.6	372.8	392.4	410.6	390.8
35°	575.3	576.7	566.9	544.9	505.8	454.0	421.4	420.7	431.3	449.9	424.0
37.5°	634.6	636.0	626.4	606.7	570.0	518.6	477.8	477.0	481.3	496.4	466.8
40°	697.8	700.4	689.8	673.1	638.1	594.6	543.5	536.1	531.8	549.6	522.3
42.5°	761.8	765.9	762.2	745.5	715.5	679.6	628.7	617.3	608.1	630.3	601.4
45°	841.3	846.2	844.6	831.7	808.5	779.3	731.2	718.0	713.7	734.3	699.8
47.5°	917.7	923.0	928.9	926.1	909.6	896.1	842.7	835.2	834.0	856.0	802.6
50°	974.6	979.5	1002.1	1018.4	1029.6	1026.8	980.5	969.3	967.5	981.5	911.0
52.5°	1015.4	1020.1	1051.3	1102.2	1143.4	1165.8	1119.1	1116.7	1106.7	1101.8	1012.5
55°	1047.0	1053.5	1086.3	1163.4	1246.3	1296.1	1266.9	1258.2	1232.5	1204.3	1106.7
57.5°	1053.3	1055.9	1102.2	1206.2	1326.3	1406.8	1406.8	1391.5	1341.9	1303.0	1215.6
60°	996.6	1004.8	1067.4	1202.7	1360.5	1479.1	1522.8	1512.2	1445.3	1397.4	1320.3
62.5°	870.8	880.0	956.3	1119.7	1326.3	1494.0	1610.6	1609.0	1533.6	1475.5	1407.2
65°	667.8	674.5	741.0	936.7	1181.5	1436.7	1673.4	1677.9	1603.3	1527.0	1437.1
67.5°	335.5	340.2	412.0	639.9	936.5	1271.8	1669.1	1689.1	1624.5	1499.7	1322.8
70°	117.2	121.9	155.7	274.6	570.0	971.1	1524.8	1557.4	1499.9	1280.2	975.8
72.5°	40.2	42.4	64.6	101.9	221.8	575.7	1159.5	1208.6	1105.7	859.4	560.8
75°	22.8	24.3	34.7	55.2	93.0	189.4	657.8	688.0	644.6	468.4	230.8
77.5°	15.5	16.7	21.6	31.4	51.4	61.0	268.3	337.8	294.6	152.9	58.9
80°	9.2	10.0	13.3	18.6	26.3	23.6	57.5	76.4	98.5	45.7	17.7
82.5°	4.3	4.9	8.6	12.2	13.3	10.0	16.9	20.6	27.7	22.4	7.3
85°	0.0	0.0	2.9	5.1	4.9	2.9	4.7	5.1	7.5	11.2	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	1.2	2.2	1.2
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°	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5
2.5°	228.3	226.9	228.5	227.7	228.5	228.3	226.7	225.7	225.7	223.8	223.2
5°	231.2	229.7	230.1	228.3	227.9	226.9	224.8	224.0	224.0	222.2	221.6
7.5°	237.5	235.2	234.8	231.2	229.5	226.7	223.0	221.6	221.4	219.5	218.9
10°	247.5	244.8	243.0	238.3	233.6	227.9	220.2	213.6	210.0	205.1	204.7
12.5°	259.7	256.4	253.6	246.5	238.7	225.9	203.0	179.2	164.5	152.9	153.7
15°	273.4	270.3	265.8	255.0	239.1	205.7	158.0	121.3	103.4	93.8	93.4
17.5°	288.2	283.8	276.4	261.7	226.3	157.2	102.7	72.6	63.2	59.9	59.1
20°	302.1	296.6	287.4	263.2	189.2	106.4	64.2	56.3	54.6	53.6	53.6
22.5°	316.8	309.9	296.2	252.2	140.7	68.1	54.6	52.8	51.6	50.1	49.9
25°	331.7	322.7	304.1	223.4	92.1	53.6	51.2	49.1	46.9	44.6	44.0
27.5°	344.3	332.7	310.3	180.6	59.1	48.3	46.7	43.2	40.2	37.7	37.3
30°	359.4	344.5	312.9	132.1	46.5	42.6	40.2	36.5	32.8	30.4	29.6
32.5°	379.6	363.3	308.8	86.0	41.2	37.5	33.6	29.4	25.7	23.0	22.6
35°	411.0	391.6	290.1	54.8	37.3	32.4	27.7	23.2	20.2	18.1	17.7
37.5°	449.3	431.3	259.3	41.2	33.4	28.1	22.6	18.3	16.1	14.7	14.3
40°	506.2	481.1	221.2	36.1	29.6	23.9	18.6	15.1	13.5	12.2	11.8
42.5°	580.0	539.8	177.3	32.8	25.9	20.0	15.1	12.4	11.0	10.2	10.0
45°	666.2	597.1	131.1	29.6	22.4	16.5	12.4	10.2	9.2	8.6	8.4
47.5°	754.4	647.2	90.5	26.1	19.2	13.7	10.4	8.8	8.0	7.1	6.9
50°	848.6	689.6	61.8	22.6	16.3	11.2	9.0	8.0	6.9	6.3	6.1
52.5°	917.7	705.3	43.0	19.6	13.9	9.6	8.0	7.1	6.3	5.5	5.3
55°	981.5	704.9	32.6	16.5	11.8	8.4	7.1	6.3	5.5	4.9	4.7
57.5°	1045.1	699.4	25.7	14.1	10.2	7.5	6.3	5.5	5.1	4.3	4.1
60°	1086.3	678.6	20.0	11.8	8.8	6.5	5.5	4.9	4.3	3.7	3.5
62.5°	1108.1	649.7	15.3	9.4	7.1	5.7	4.9	4.3	3.7	3.1	2.9
65°	1078.6	598.3	12.0	7.3	5.5	4.9	4.1	3.5	2.9	2.2	2.0
67.5°	947.5	504.5	9.4	5.9	4.3	3.7	3.5	2.9	2.0	1.6	1.4
70°	669.6	345.5	7.3	4.5	3.3	2.9	2.7	2.2	1.6	1.2	1.0
72.5°	367.5	174.3	5.3	3.3	2.4	2.2	2.0	1.8	1.4	1.0	1.0
75°	141.5	47.9	3.9	2.2	1.6	1.6	1.4	1.4	1.2	0.8	0.8
77.5°	36.9	14.3	2.4	1.4	1.0	1.0	1.0	0.8	0.8	0.6	0.6
80°	11.8	4.7	1.4	1.0	0.8	0.6	0.6	0.4	0.6	0.4	0.4
82.5°	3.9	1.6	0.8	0.8	0.6	0.4	0.4	0.2	0.2	0.0	0.0
85°	1.4	0.8	0.6	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0
87.5°	0.8	0.4	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
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)