

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: INVUE

Report Number: P180057

Luminaire Tested: **ICM-E01-LED-E1-5WQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180057
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E01-LED-E1-5WQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2705.1 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

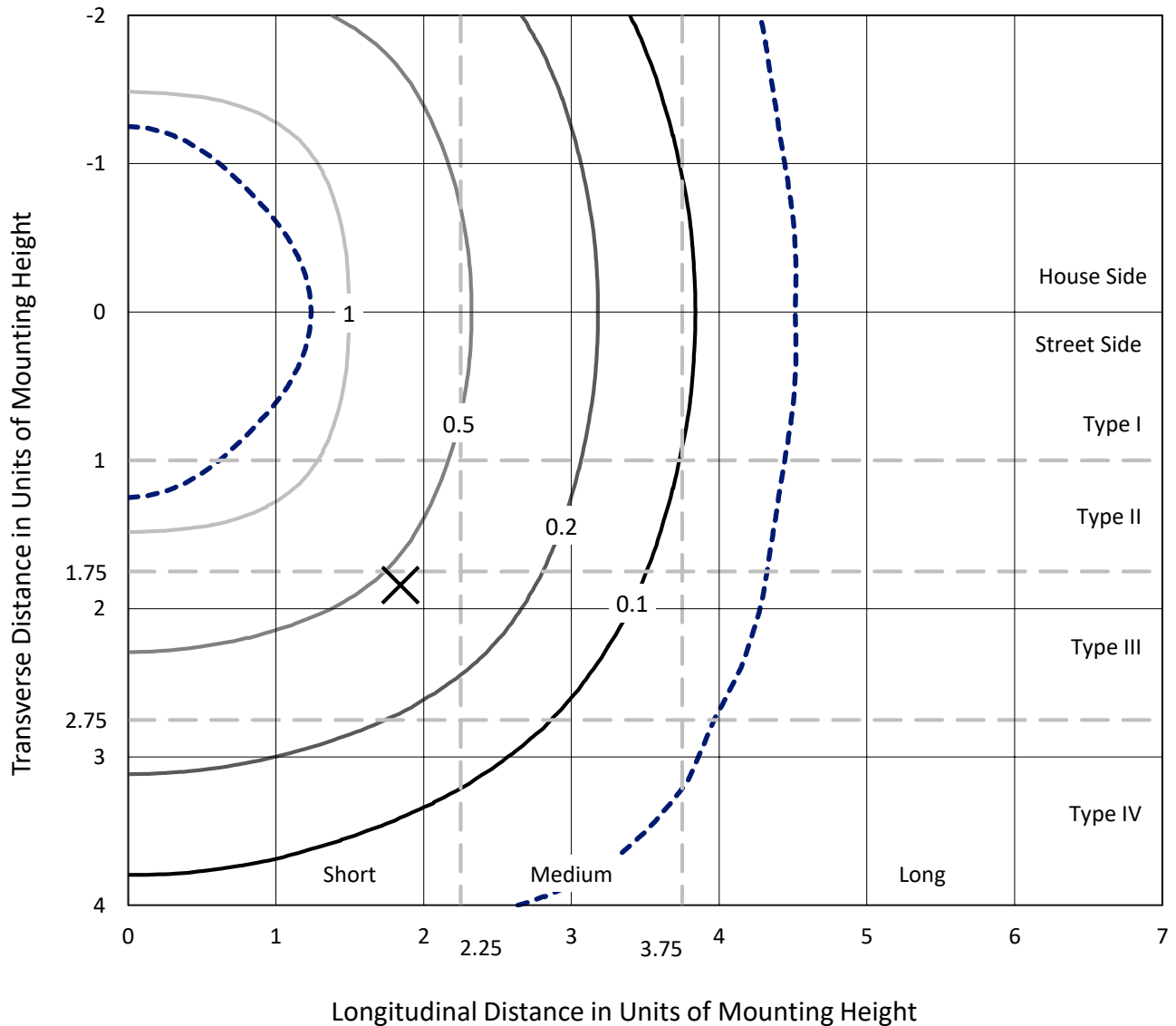
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180057
 CATALOG NUMBER: ICM-E01-LED-E1-5WQ-7030

Iso-Footcandle Lines of Horizontal Illumination

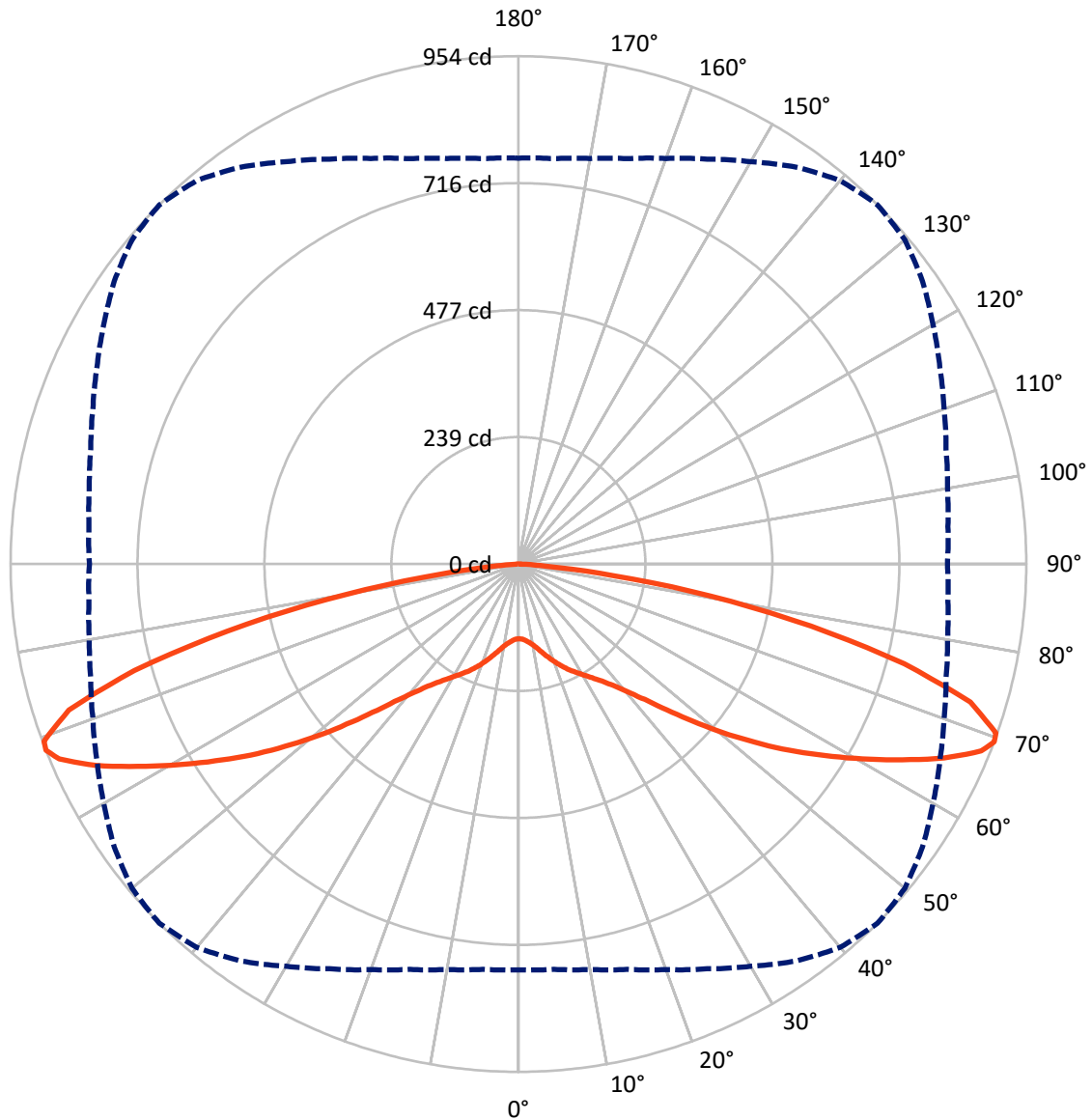
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P180057
CATALOG NUMBER: ICM-E01-LED-E1-5WQ-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P180057

CATALOG NUMBER: ICM-E01-LED-E1-5WQ-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1352.5	0.0	1352.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1352.5	0.0	1352.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2705.1	0.0	2705.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.5
10°-20°	49.8	1.8
20°-30°	100.9	3.7
30°-40°	169.1	6.3
40°-50°	298.3	11.0
50°-60°	526.0	19.4
60°-70°	803.0	29.7
70°-80°	671.0	24.8
80°-90°	72.9	2.7
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°	2705.1	100.0
0°-180°	2705.1	100.0



REPORT NUMBER: P180057

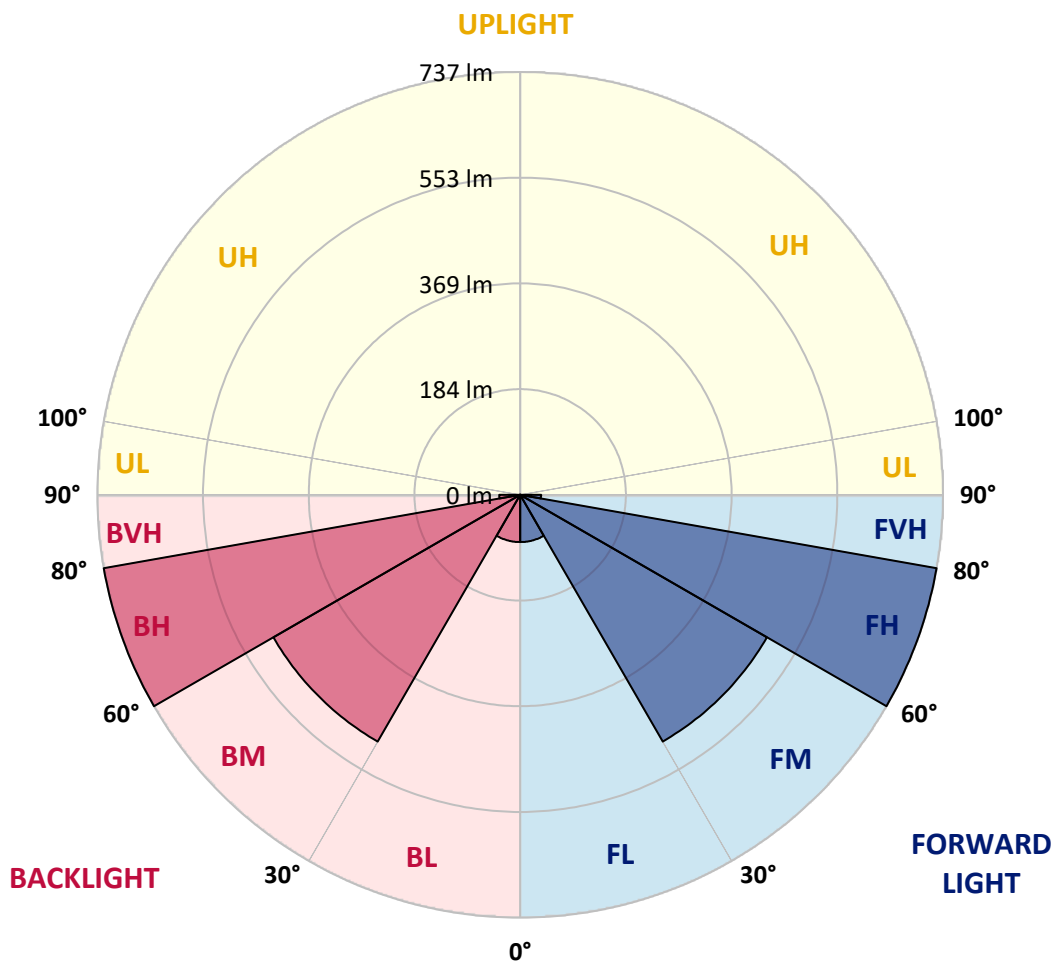
CATALOG NUMBER: ICM-E01-LED-E1-5WQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.4	3.0			
FM	(30°-60°)	496.7	18.4			
FH	(60°-80°)	737.0	27.2			G1/1800
FVH	(80°-90°)	36.5	1.3			G1/100
BL	(0°-30°)	82.4	3.0	B0/110		
BM	(30°-60°)	496.7	18.4	B1/1000		
BH	(60°-80°)	737.0	27.2	B2/1000		G1/1800
BVH	(80°-90°)	36.5	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P180057

CATALOG NUMBER: ICM-E01-LED-E1-5WQ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5
2.5°	141.6	141.9	141.6	141.6	141.6	141.6	141.6	141.3	141.3	141.3	141.6
5°	144.5	144.7	144.5	144.7	144.7	144.7	144.7	144.5	144.5	144.5	144.5
7.5°	148.9	148.9	148.9	149.2	148.9	148.9	149.2	148.9	148.9	148.9	148.9
10°	155.4	155.2	155.2	155.2	155.2	155.2	155.4	155.4	155.4	155.2	155.2
12.5°	163.4	163.2	163.4	163.4	163.7	163.7	163.7	163.7	163.7	163.7	163.4
15°	173.0	173.0	173.0	173.3	173.9	173.9	173.6	173.9	173.9	173.9	173.9
17.5°	183.8	184.4	183.8	184.1	184.4	184.1	184.7	184.9	185.2	184.9	184.1
20°	194.9	195.2	195.2	195.2	195.2	195.7	196.0	196.0	196.8	196.6	196.3
22.5°	205.3	205.9	205.9	206.1	206.1	207.1	207.1	207.1	207.6	208.2	207.6
25°	216.4	216.1	216.1	216.7	216.9	218.0	218.0	218.6	219.4	219.8	219.2
27.5°	226.3	226.0	226.0	226.9	227.2	228.6	228.6	229.7	230.2	230.5	230.0
30°	236.7	236.7	236.5	237.3	238.1	239.4	239.9	241.0	241.9	242.1	241.6
32.5°	249.2	248.7	248.9	249.5	250.0	251.2	252.1	253.5	254.6	254.9	254.3
35°	263.4	262.5	262.8	263.4	264.3	266.0	267.4	268.2	269.9	270.4	269.3
37.5°	279.0	279.3	279.0	280.4	281.8	283.8	285.5	286.6	288.3	289.1	288.3
40°	301.0	300.2	301.0	302.5	304.7	307.3	310.7	311.5	313.2	314.9	312.9
42.5°	329.7	329.1	331.1	332.2	334.8	337.6	341.9	344.1	346.6	347.8	346.0
45°	367.1	367.1	369.3	369.6	373.6	377.2	383.2	386.0	390.8	390.8	390.8
47.5°	408.4	410.0	411.5	414.3	417.2	424.0	430.0	436.2	440.7	441.2	440.4
50°	451.2	452.8	457.1	461.0	467.3	475.8	482.3	490.5	494.5	497.9	496.7
52.5°	498.4	498.7	503.8	508.9	518.0	527.4	537.9	546.3	553.4	556.5	554.0
55°	550.2	550.9	555.4	560.7	571.0	581.7	594.7	603.5	612.6	618.2	614.0
57.5°	606.3	606.6	611.2	617.7	629.9	640.7	653.1	665.6	674.1	679.2	676.3
60°	668.4	669.8	673.2	681.4	693.0	704.4	716.8	727.8	737.8	743.2	740.3
62.5°	734.6	736.1	740.8	747.4	757.6	770.1	782.0	796.1	804.3	810.2	806.1
65°	779.1	781.7	789.3	798.1	813.1	829.2	843.1	862.4	872.3	879.4	875.4
67.5°	782.0	783.4	792.7	806.1	826.1	850.5	878.8	908.8	928.4	937.7	930.9
69°	762.7	764.7	773.8	788.7	811.1	839.4	873.1	910.5	940.6	954.4	947.9
70°	740.8	745.1	755.1	771.4	793.3	823.0	857.9	897.8	932.9	951.9	947.1
72.5°	695.0	696.1	702.6	715.6	732.4	757.0	789.9	827.5	860.9	888.2	892.1
75°	616.8	620.6	625.3	634.1	642.6	660.5	682.5	708.3	727.8	748.8	749.7
77.5°	466.1	477.2	480.9	482.9	486.5	500.7	520.0	542.3	558.5	561.9	561.3
80°	209.3	224.0	227.4	243.5	253.5	277.0	306.4	340.7	363.6	366.2	360.0
82.5°	41.0	43.9	51.3	64.0	87.3	101.1	120.4	144.5	166.5	179.3	171.6
85°	13.6	14.4	16.7	18.4	21.2	24.1	29.2	36.3	45.0	49.9	44.5
87.5°	5.4	5.4	6.2	6.8	7.3	7.3	7.3	6.8	6.5	5.4	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180057

CATALOG NUMBER: ICM-E01-LED-E1-5WQ-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5
2.5°	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3
5°	144.5	144.2	144.2	143.9	143.9	143.9	143.9	143.9
7.5°	148.7	148.4	148.1	148.4	148.1	148.1	148.1	148.1
10°	155.2	154.6	154.3	154.0	154.0	154.0	153.8	153.8
12.5°	162.9	162.9	162.6	162.2	161.7	162.0	161.7	161.1
15°	173.3	172.7	172.5	172.2	171.6	171.6	171.6	171.3
17.5°	183.8	183.3	183.3	182.4	182.1	182.1	182.1	182.4
20°	195.4	194.6	194.0	193.4	192.8	193.1	192.6	193.1
22.5°	207.1	205.9	205.3	204.5	203.6	203.6	203.4	202.8
25°	218.3	216.9	216.4	215.5	214.4	214.4	213.9	213.3
27.5°	229.1	227.7	227.2	225.4	224.3	224.0	223.4	223.2
30°	241.0	239.4	238.4	236.7	235.1	234.8	234.0	234.0
32.5°	253.5	251.8	251.2	248.7	247.3	247.3	246.7	246.1
35°	269.0	266.5	266.0	263.4	261.4	261.4	260.8	261.1
37.5°	287.4	285.5	283.5	281.5	279.3	279.0	278.4	277.9
40°	312.1	309.9	307.5	304.7	302.8	302.1	301.3	301.0
42.5°	344.9	342.7	338.1	335.9	333.9	332.2	331.9	331.6
45°	386.9	384.0	380.9	376.7	374.1	370.4	369.9	368.5
47.5°	437.3	431.9	426.5	422.8	418.9	414.6	413.8	411.5
50°	490.8	486.5	477.5	471.5	465.3	461.0	458.2	457.4
52.5°	548.3	540.4	531.3	523.4	514.3	508.7	503.5	502.1
55°	608.4	597.0	585.7	576.4	567.3	560.5	555.6	553.4
57.5°	668.4	655.9	643.4	633.3	625.6	616.8	612.0	610.9
60°	731.0	719.1	706.3	696.1	686.8	679.2	676.3	670.9
62.5°	797.2	784.7	772.8	763.0	751.1	745.7	740.8	737.8
65°	862.4	847.9	832.9	822.4	810.5	802.9	796.9	792.7
67.5°	912.7	891.0	870.9	853.3	837.2	825.3	817.6	813.7
69°	927.0	899.7	874.0	851.1	832.1	818.8	810.2	806.3
70°	925.2	895.3	866.9	841.7	821.0	806.9	798.6	791.3
72.5°	872.8	845.4	814.0	786.5	767.8	754.2	746.0	742.1
75°	744.8	726.4	703.8	682.5	668.9	661.0	650.8	651.1
77.5°	542.3	542.9	527.6	505.8	490.5	487.7	483.2	478.6
80°	336.5	309.6	292.0	268.5	251.2	236.2	229.7	215.5
82.5°	155.2	121.2	94.0	71.1	54.7	42.8	37.4	30.6
85°	34.5	26.3	21.8	17.6	15.0	13.9	11.3	10.5
87.5°	4.8	4.3	4.0	3.7	3.1	2.2	1.7	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)