

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: P198030

Luminaire Tested: **TT-C5-LED-E1-RW-CG-LWR-LW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34697)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C5-LED-E1-RW-CG-LWR-LW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6555.4 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 77
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

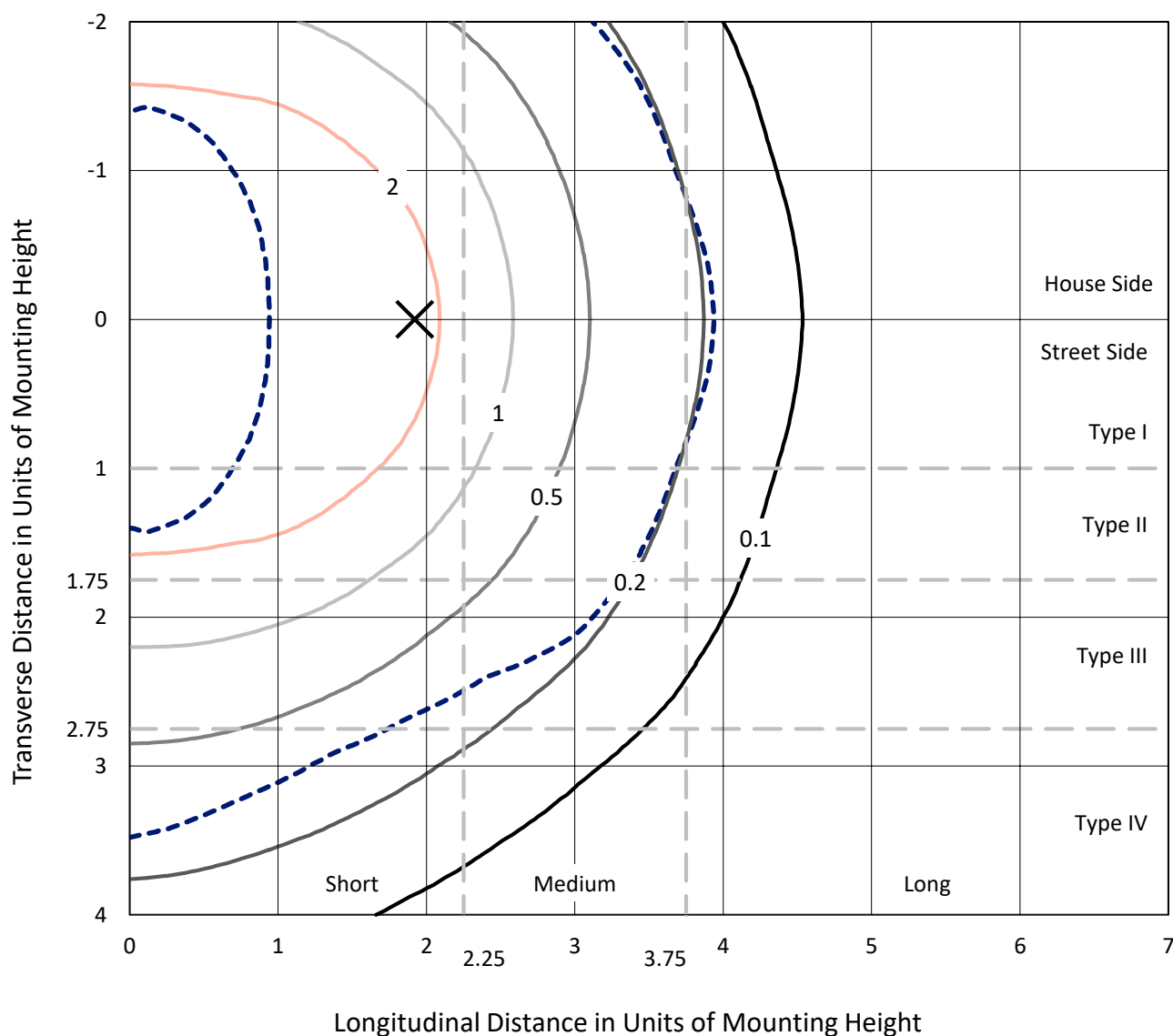


REPORT NUMBER: P198030

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-LWR-LW

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

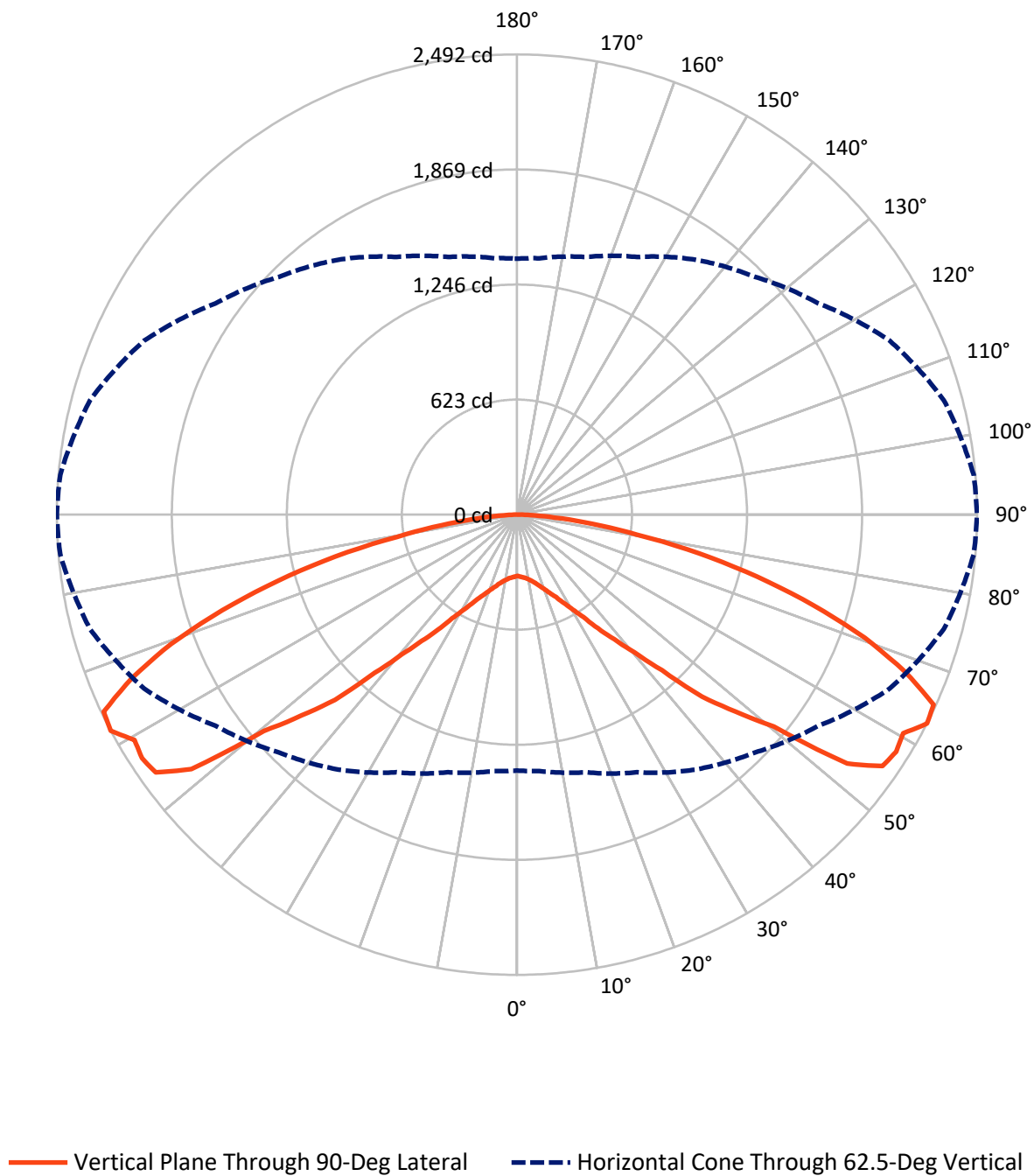


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198030

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-LWR-LW

Luminous Intensity Polar Plot



REPORT NUMBER: P198030

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-LWR-LW

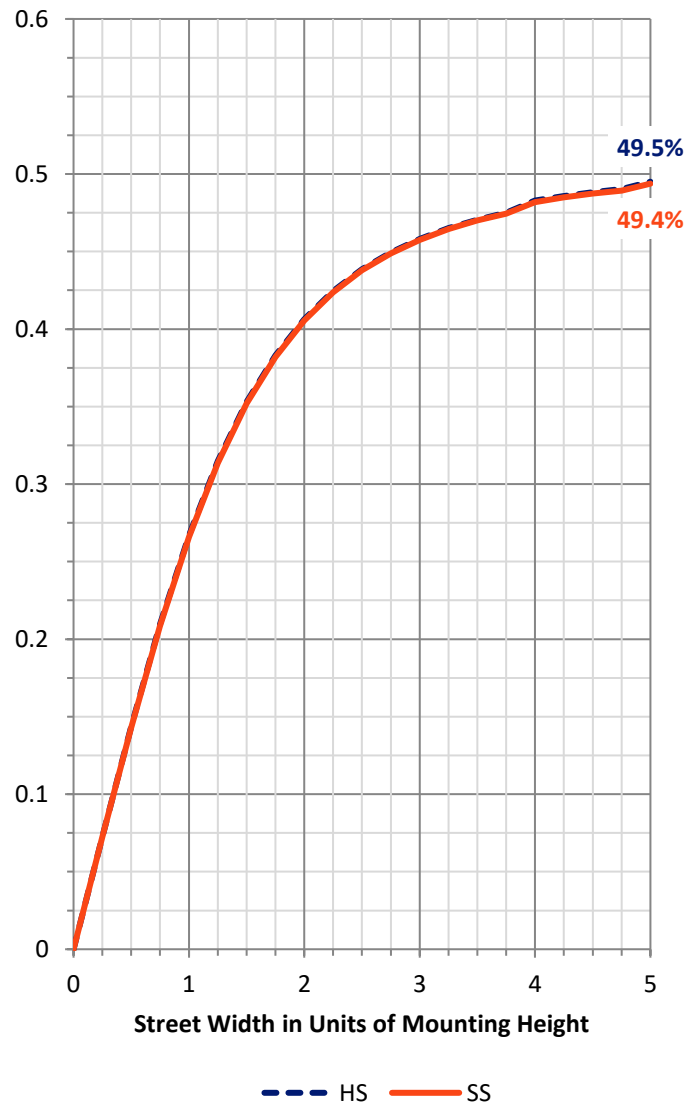
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3277.7	0.0	3277.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3277.7	0.0	3277.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6555.4	0.0	6555.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	0.5
10°-20°	112.8	1.7
20°-30°	241.1	3.7
30°-40°	468.8	7.2
40°-50°	884.0	13.5
50°-60°	1510.6	23.0
60°-70°	1819.1	27.7
70°-80°	1224.1	18.7
80°-90°	261.9	4.0
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°	6555.4	100.0
0°-180°	6555.4	100.0

Coefficient of Utilization



REPORT NUMBER: P198030

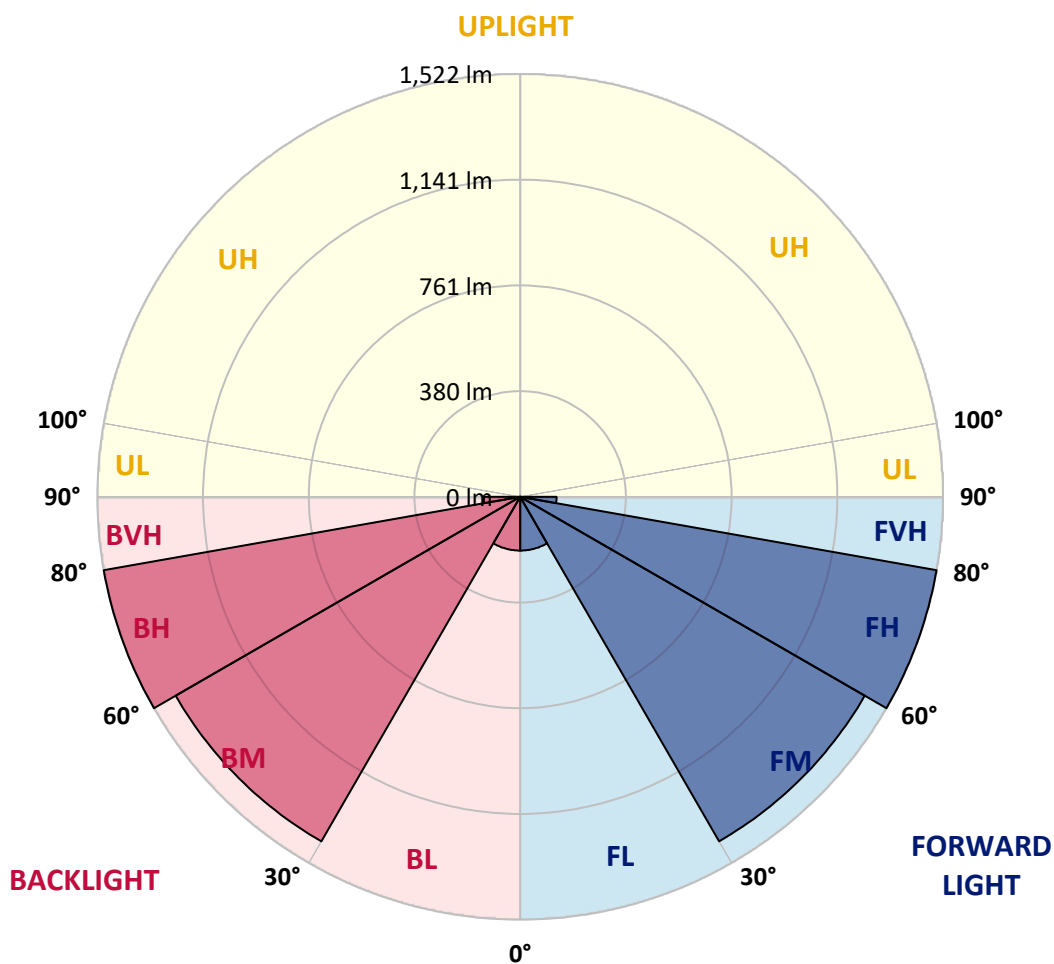
CATALOG NUMBER: TT-C5-LED-E1-RW-CG-LWR-LW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.5	3.0			
FM	(30°-60°)	1431.7	21.8			
FH	(60°-80°)	1521.6	23.2			G1/1800
FVH	(80°-90°)	130.9	2.0			G2/225
BL	(0°-30°)	193.5	3.0	B1/500		
BM	(30°-60°)	1431.7	21.8	B2/2500		
BH	(60°-80°)	1521.6	23.2	B3/2500		G3/2500
BVH	(80°-90°)	130.9	2.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



REPORT NUMBER: P198030

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-LWR-LW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
2.5°	334.5	334.5	334.5	334.5	334.5	334.5	336.1	336.1	336.1	336.1	336.1
5°	339.1	339.1	340.7	340.7	342.2	342.2	342.2	342.2	340.7	340.7	340.7
7.5°	346.8	346.8	348.3	349.9	349.9	348.3	348.3	346.8	346.8	346.8	346.8
10°	359.1	359.1	360.6	360.6	359.1	359.1	359.1	357.5	357.5	357.5	357.5
12.5°	372.9	374.4	376.0	374.4	372.9	371.3	371.3	369.8	369.8	369.8	369.8
15°	392.8	395.9	394.4	394.4	392.8	389.8	388.2	386.7	386.7	386.7	386.7
17.5°	423.5	423.5	418.9	415.8	412.8	411.2	409.7	408.2	408.2	408.2	408.2
20°	455.7	454.2	449.6	445.0	440.4	438.9	434.3	432.7	434.3	432.7	432.7
22.5°	494.1	492.6	486.4	481.8	475.7	469.6	468.0	463.4	461.9	460.3	461.9
25°	532.5	534.0	529.4	524.8	515.6	509.5	503.3	500.2	497.2	495.6	495.6
27.5°	577.0	580.0	577.0	567.8	558.6	554.0	544.7	541.7	540.1	541.7	541.7
30°	624.5	626.1	621.5	616.9	607.7	596.9	590.8	592.3	592.3	596.9	595.4
32.5°	682.9	681.3	675.2	672.1	662.9	653.7	650.6	652.2	658.3	661.4	661.4
35°	747.3	742.7	736.6	730.4	722.7	716.6	718.1	730.4	748.8	753.4	756.5
37.5°	811.7	804.1	804.1	794.9	788.7	793.3	802.5	825.6	839.4	860.9	856.2
40°	871.6	873.1	870.1	862.4	860.9	876.2	896.1	925.3	960.6	982.1	980.5
42.5°	926.8	940.6	931.4	933.0	940.6	965.2	997.4	1054.2	1124.8	1152.4	1152.4
45°	988.2	1005.1	997.4	1002.0	1023.5	1061.9	1130.9	1242.9	1339.6	1405.6	1405.6
47.5°	1051.1	1066.5	1063.4	1072.6	1111.0	1178.5	1284.4	1424.0	1520.7	1585.1	1594.3
50°	1130.9	1124.8	1126.3	1149.3	1215.3	1313.5	1448.6	1586.7	1746.3	1784.6	1803.0
52.5°	1200.0	1181.6	1192.3	1230.7	1325.8	1440.9	1608.2	1852.1	2073.1	2226.6	2238.8
55°	1256.8	1242.9	1264.4	1318.1	1440.9	1592.8	1810.7	2109.9	2292.5	2386.1	2403.0
57.5°	1305.9	1299.7	1335.0	1404.1	1560.6	1746.3	1967.2	2209.7	2337.0	2409.2	2421.4
60°	1350.4	1355.0	1393.3	1485.4	1654.2	1824.5	2002.5	2206.6	2334.0	2390.7	2403.0
62.5°	1385.7	1393.3	1444.0	1539.1	1684.9	1821.4	1993.3	2228.1	2393.8	2482.8	2492.0
65°	1408.7	1416.3	1473.1	1539.1	1675.7	1807.6	2050.1	2249.6	2372.3	2462.9	2479.7
67.5°	1411.7	1422.5	1456.2	1511.5	1626.6	1743.2	1951.9	2096.1	2194.3	2249.6	2264.9
70°	1393.3	1390.3	1402.5	1425.5	1494.6	1574.4	1750.9	1858.3	1928.9	1985.6	1999.4
72.5°	1322.7	1318.1	1289.0	1262.9	1289.0	1351.9	1503.8	1575.9	1623.5	1669.5	1678.7
75°	1187.7	1166.2	1094.1	1057.3	1049.6	1104.8	1221.5	1267.5	1285.9	1338.1	1344.2
77.5°	949.9	940.6	879.3	814.8	808.7	842.4	931.4	951.4	936.0	992.8	1009.7
80°	693.6	681.3	623.0	575.4	563.2	586.2	638.4	643.0	632.2	659.8	659.8
82.5°	443.5	431.2	406.6	371.3	345.3	359.1	399.0	399.0	399.0	406.6	411.2
85°	228.6	224.0	205.6	188.7	179.5	182.6	196.4	198.0	205.6	210.2	204.1
87.5°	64.4	67.5	64.4	56.8	55.2	53.7	59.8	61.4	66.0	69.1	72.1
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)