

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: P198107

Luminaire Tested: **TT-C6-LED-E1-RW-SG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-RW-SG-LWR-LW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8407.6 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 108
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

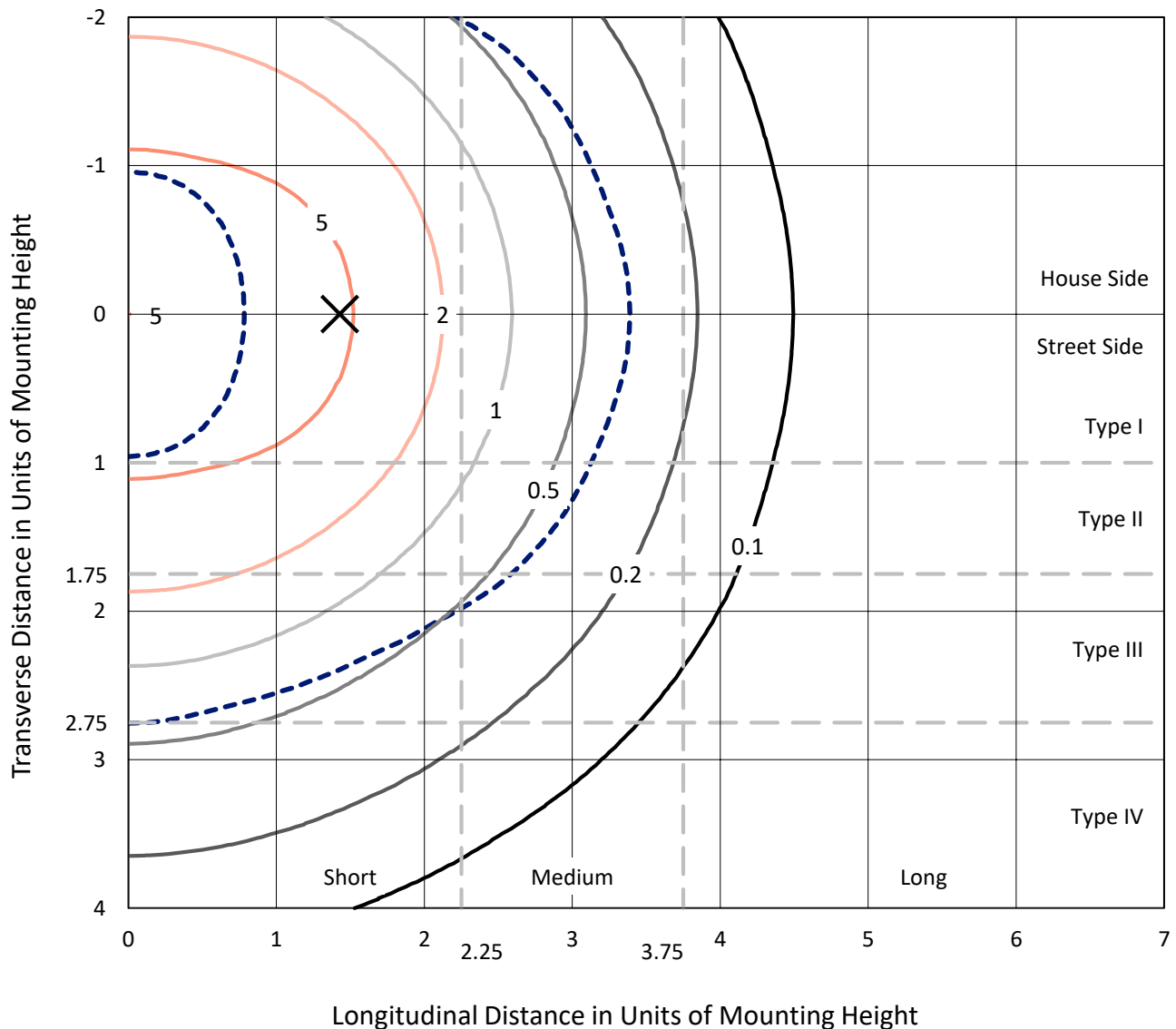


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

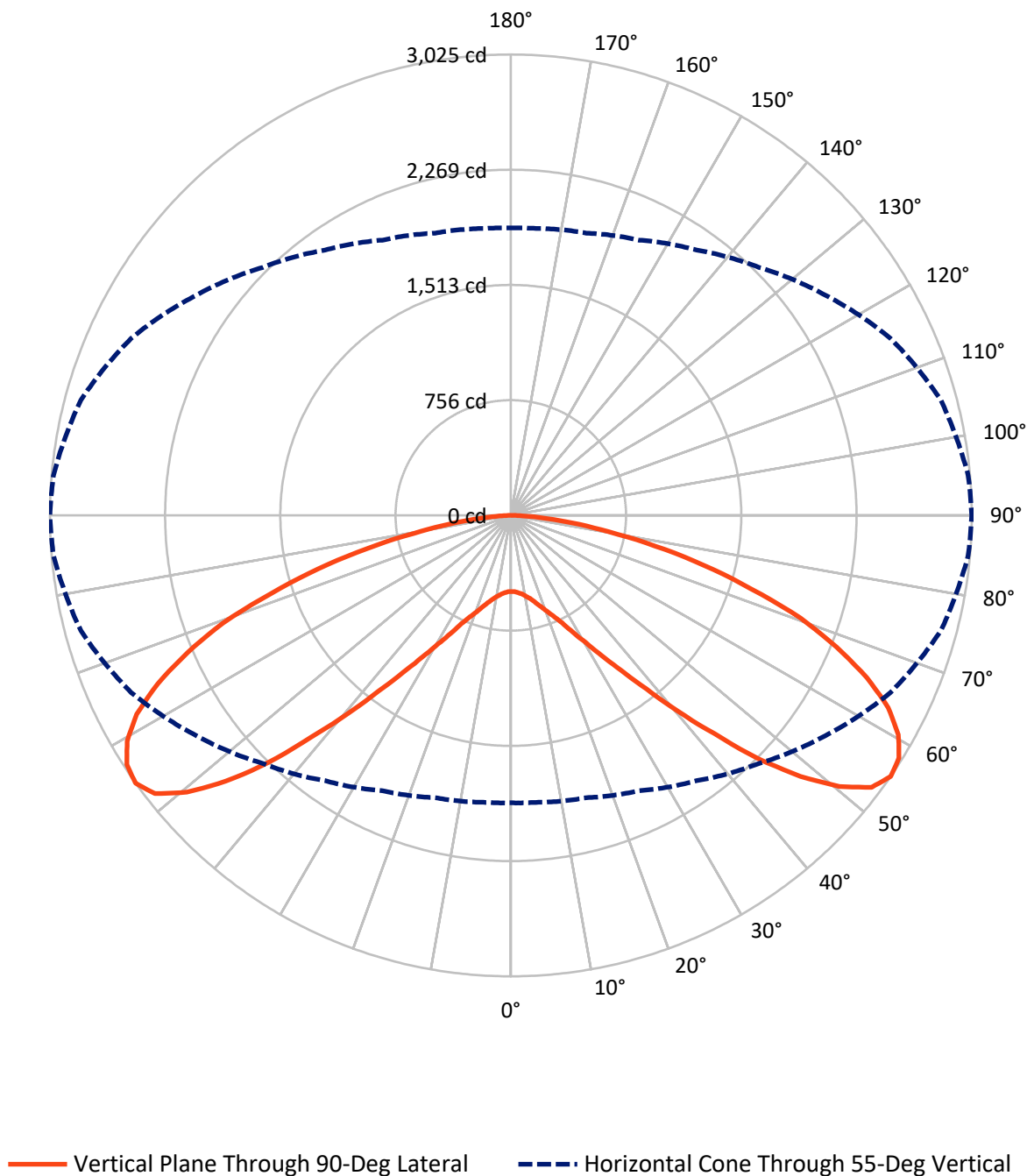


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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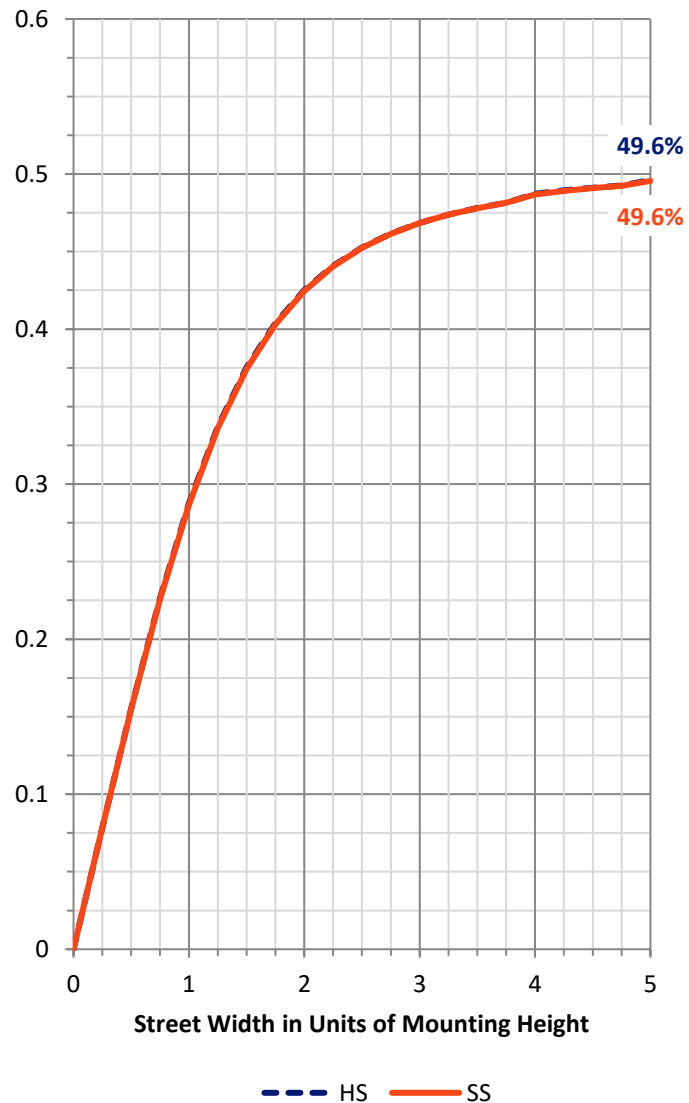
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4203.8	0.0	4203.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4203.8	0.0	4203.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	8407.6	0.0	8407.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	0.6
10°-20°	171.6	2.0
20°-30°	374.9	4.5
30°-40°	753.9	9.0
40°-50°	1424.9	16.9
50°-60°	2101.8	25.0
60°-70°	2070.2	24.6
70°-80°	1205.5	14.3
80°-90°	255.2	3.0
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°	8407.6	100.0
0°-180°	8407.6	100.0

Coefficient of Utilization



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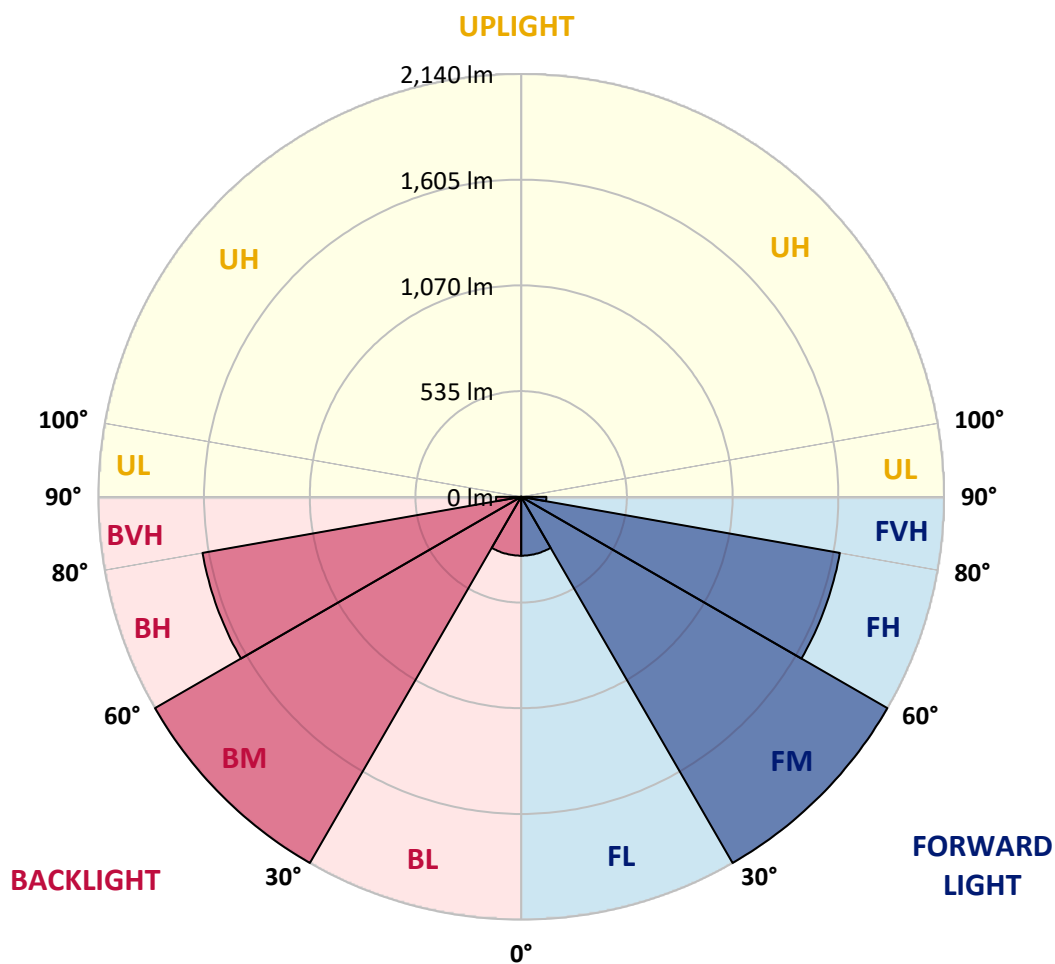
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.1	3.5			
FM	(30°-60°)	2140.3	25.5			
FH	(60°-80°)	1637.8	19.5			G1/1800
FVH	(80°-90°)	127.6	1.5			G2/225
BL	(0°-30°)	298.1	3.5	B1/500		
BM	(30°-60°)	2140.3	25.5	B2/2500		
BH	(60°-80°)	1637.8	19.5	B3/2500		G3/2500
BVH	(80°-90°)	127.6	1.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	499.4	499.4	499.4	499.4	499.4	499.4	499.4	499.4	499.4	499.4	499.4
2.5°	503.3	503.3	503.3	503.3	501.3	503.3	501.3	501.3	501.3	501.3	501.3
5°	509.1	511.0	509.1	509.1	509.1	509.1	509.1	509.1	507.1	507.1	509.1
7.5°	522.7	522.7	522.7	522.7	520.7	522.7	520.7	520.7	520.7	520.7	520.7
10°	542.1	542.1	542.1	542.1	540.2	540.2	540.2	538.2	538.2	538.2	538.2
12.5°	565.4	567.4	567.4	565.4	563.5	563.5	561.5	561.5	561.5	561.5	559.6
15°	600.4	598.5	598.5	594.6	594.6	590.7	592.6	590.7	588.8	586.8	588.8
17.5°	635.4	637.3	637.3	633.4	631.5	629.6	625.7	625.7	623.7	625.7	625.7
20°	689.8	689.8	685.9	682.0	676.2	674.2	670.4	670.4	666.5	670.4	670.4
22.5°	744.2	744.2	740.3	738.4	730.6	724.8	722.8	720.9	718.9	722.8	718.9
25°	812.2	812.2	808.3	800.5	792.8	790.8	785.0	785.0	786.9	788.9	781.1
27.5°	882.2	884.1	880.2	874.4	866.6	858.8	858.8	860.8	862.7	870.5	868.6
30°	967.7	965.7	959.9	952.1	948.2	942.4	944.3	952.1	959.9	967.7	967.7
32.5°	1055.1	1053.1	1051.2	1043.4	1041.5	1039.5	1049.3	1064.8	1080.3	1086.2	1095.9
35°	1148.4	1148.4	1146.4	1140.6	1144.5	1154.2	1169.7	1198.9	1222.2	1249.4	1249.4
37.5°	1251.3	1247.5	1249.4	1249.4	1259.1	1276.6	1313.5	1369.9	1418.4	1445.6	1445.6
40°	1358.2	1352.4	1354.3	1364.0	1381.5	1424.3	1488.4	1566.1	1643.8	1678.8	1690.5
42.5°	1461.2	1455.4	1463.1	1472.9	1515.6	1581.7	1676.9	1795.4	1906.2	1960.6	1958.6
45°	1556.4	1560.3	1570.0	1593.3	1655.5	1752.7	1888.7	2048.0	2191.8	2255.9	2279.2
47.5°	1651.6	1653.6	1667.2	1708.0	1795.4	1917.8	2083.0	2294.8	2454.1	2529.9	2559.0
50°	1741.0	1744.9	1768.2	1826.5	1929.5	2077.1	2281.2	2506.6	2681.4	2770.8	2796.1
52.5°	1820.7	1824.5	1851.8	1923.6	2046.1	2217.0	2430.8	2662.0	2846.6	2949.6	2965.1
55°	1886.7	1890.6	1917.8	1993.6	2125.7	2302.5	2520.2	2749.5	2922.4	3013.7	3025.4
57.5°	1925.6	1927.5	1956.7	2034.4	2164.6	2329.7	2539.6	2761.1	2912.7	2994.3	3004.0
60°	1927.5	1931.4	1958.6	2028.6	2149.0	2300.6	2500.7	2698.9	2836.9	2910.7	2922.4
62.5°	1892.6	1894.5	1917.8	1972.2	2075.2	2207.3	2391.9	2570.7	2695.0	2766.9	2780.5
65°	1812.9	1812.9	1824.5	1865.4	1945.0	2057.7	2215.1	2380.3	2494.9	2561.0	2568.7
67.5°	1680.8	1680.8	1682.7	1709.9	1764.3	1853.7	1987.8	2125.7	2228.7	2294.8	2304.5
70°	1511.7	1509.8	1494.2	1511.7	1546.7	1622.5	1741.0	1845.9	1929.5	1981.9	2016.9
72.5°	1298.0	1290.2	1278.5	1274.7	1309.6	1375.7	1472.9	1544.7	1591.4	1647.7	1651.6
75°	1049.3	1045.4	1029.8	1029.8	1064.8	1117.3	1195.0	1243.6	1266.9	1303.8	1311.6
77.5°	783.1	781.1	786.9	788.9	808.3	864.7	909.4	944.3	938.5	961.8	969.6
80°	547.9	551.8	551.8	549.9	569.3	590.7	639.3	649.0	641.2	649.0	649.0
82.5°	347.8	345.9	342.0	347.8	363.4	380.8	400.3	402.2	408.0	402.2	406.1
85°	174.9	172.9	176.8	178.8	186.5	196.3	213.7	217.6	207.9	207.9	204.0
87.5°	60.2	64.1	60.2	62.2	62.2	71.9	70.0	70.0	70.0	70.0	73.8
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)