

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: P197565

Luminaire Tested: **TT-C3-LED-E1-CQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-CQ-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5437.1 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 45
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



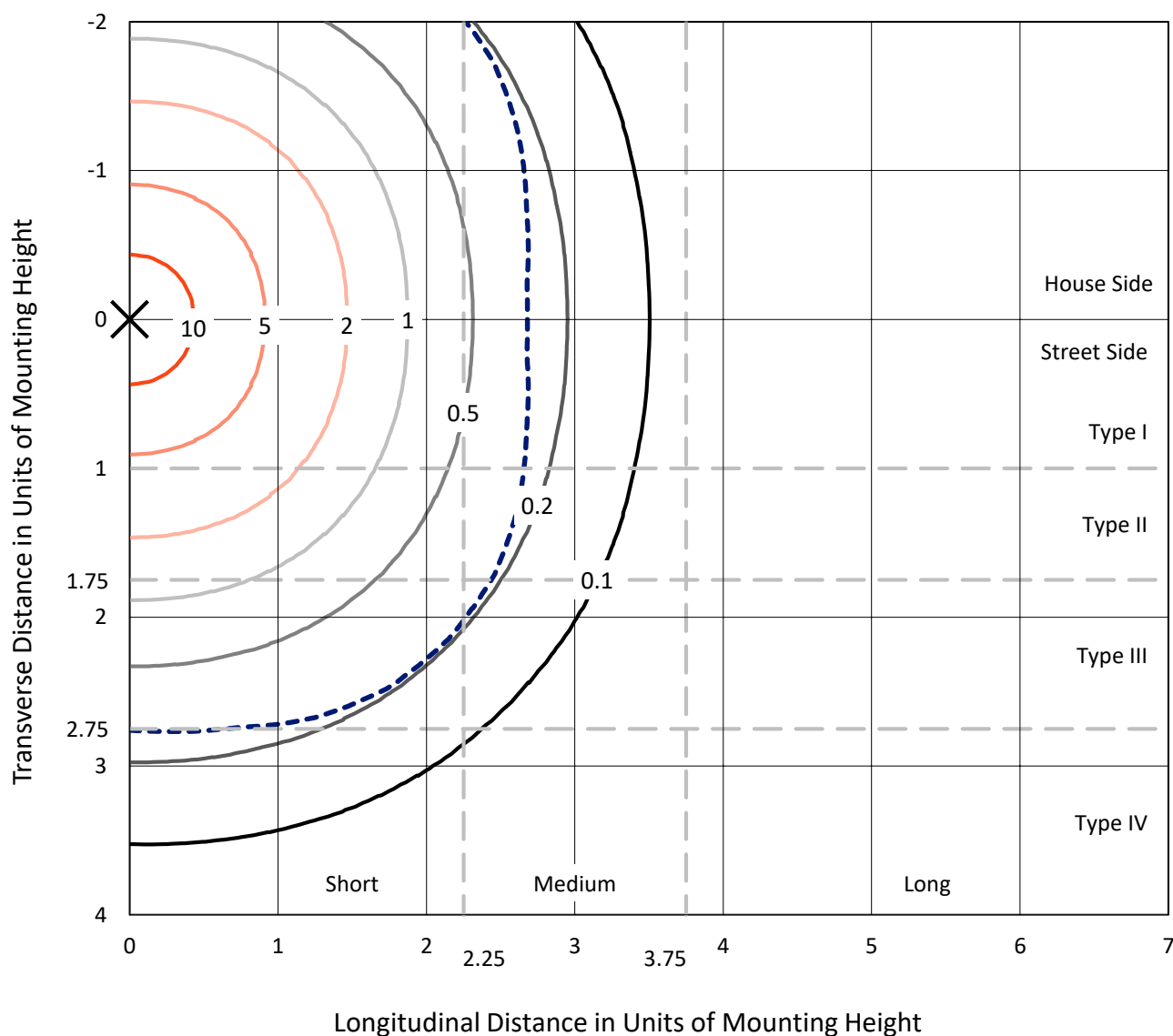
REPORT NUMBER: P197565

CATALOG NUMBER: TT-C3-LED-E1-CQ-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

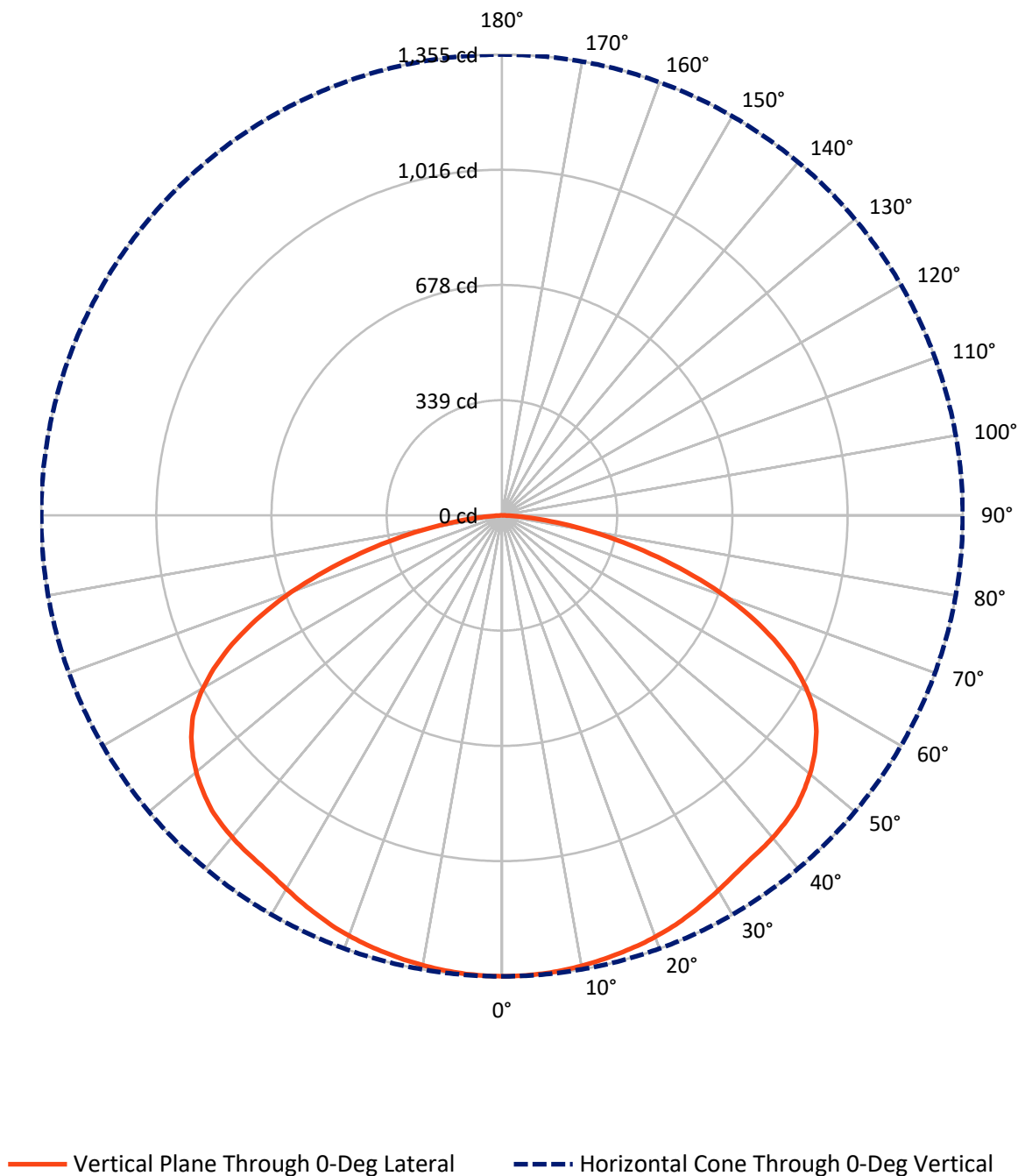


Based on 10 foot mounting height. Maximum calculated value = 13.6 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197565

CATALOG NUMBER: TT-C3-LED-E1-CQ-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P197565

CATALOG NUMBER: TT-C3-LED-E1-CQ-8030

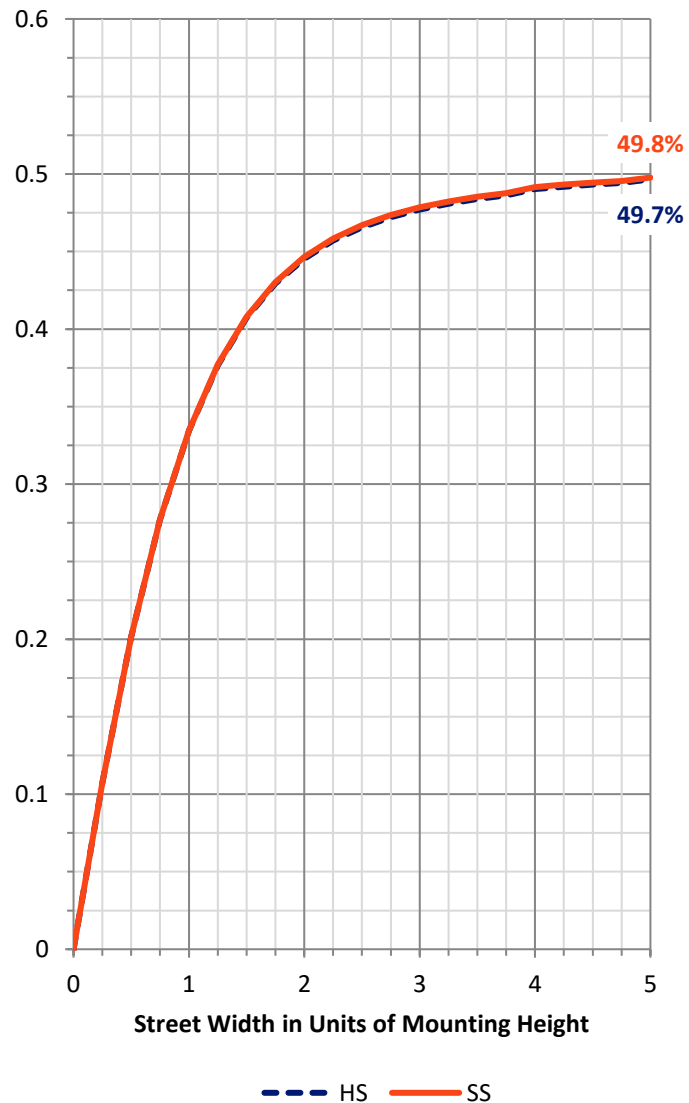
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2718.6	0.0	2718.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2718.6	0.0	2718.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5437.1	0.0	5437.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.8	2.4
10°-20°	377.1	6.9
20°-30°	599.9	11.0
30°-40°	793.4	14.6
40°-50°	968.1	17.8
50°-60°	1045.5	19.2
60°-70°	905.4	16.7
70°-80°	513.4	9.4
80°-90°	105.6	1.9
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°	5437.1	100.0
0°-180°	5437.1	100.0

Coefficient of Utilization



REPORT NUMBER: P197565

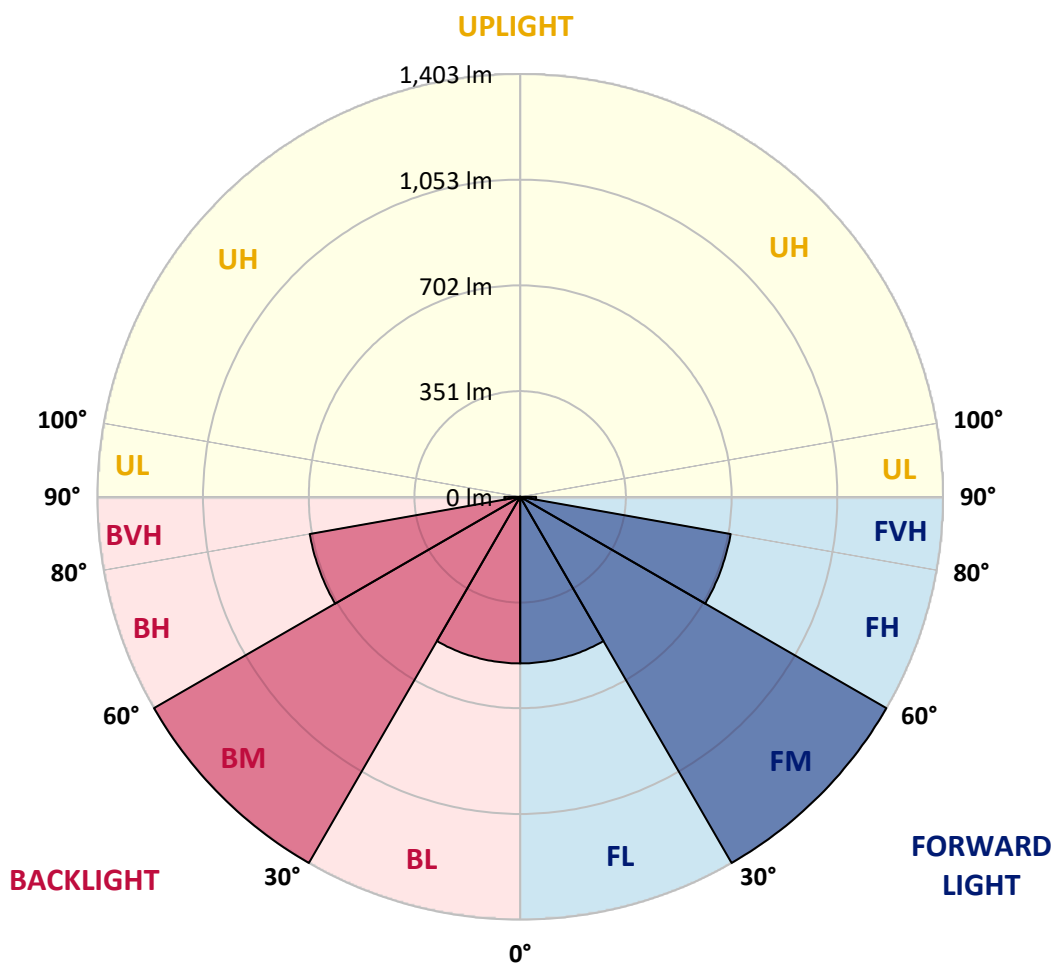
CATALOG NUMBER: TT-C3-LED-E1-CQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	552.9	10.2			
FM	(30°-60°)	1403.5	25.8			
FH	(60°-80°)	709.4	13.0			G1/1800
FVH	(80°-90°)	52.8	1.0			G1/100
BL	(0°-30°)	552.9	10.2	B2/1000		
BM	(30°-60°)	1403.5	25.8	B2/2500		
BH	(60°-80°)	709.4	13.0	B2/1000		G1/1800
BVH	(80°-90°)	52.8	1.0			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: P197565

CATALOG NUMBER: TT-C3-LED-E1-CQ-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0
2.5°	1354.1	1354.1	1354.1	1354.1	1354.1	1354.1	1354.1	1354.1	1354.1	1354.1	1354.1
5°	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2	1352.2
7.5°	1348.5	1348.5	1348.5	1348.5	1348.5	1349.4	1348.5	1348.5	1348.5	1348.5	1349.4
10°	1343.8	1343.8	1344.7	1344.7	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8
12.5°	1338.2	1338.2	1338.2	1338.2	1338.2	1338.2	1338.2	1338.2	1337.2	1337.2	1337.2
15°	1331.6	1331.6	1331.6	1332.5	1332.5	1332.5	1332.5	1331.6	1330.7	1329.7	1330.7
17.5°	1325.1	1325.1	1326.0	1326.9	1326.9	1326.9	1326.9	1325.1	1324.1	1323.2	1323.2
20°	1316.6	1317.6	1317.6	1318.5	1319.4	1319.4	1319.4	1318.5	1316.6	1314.8	1314.8
22.5°	1307.3	1308.2	1309.2	1310.1	1311.0	1310.1	1310.1	1309.2	1307.3	1306.3	1305.4
25°	1295.1	1295.1	1297.0	1298.9	1299.8	1299.8	1299.8	1297.9	1296.1	1295.1	1294.2
27.5°	1283.0	1283.0	1284.8	1287.6	1288.6	1289.5	1287.6	1286.7	1283.9	1282.0	1282.0
30°	1269.9	1269.9	1272.7	1276.4	1279.2	1280.1	1279.2	1275.5	1271.7	1269.9	1269.9
32.5°	1257.7	1258.6	1261.4	1267.0	1271.7	1273.6	1272.7	1268.0	1263.3	1259.6	1258.6
35°	1248.3	1249.3	1254.9	1261.4	1268.9	1271.7	1268.9	1264.2	1256.8	1251.1	1251.1
37.5°	1242.7	1242.7	1250.2	1261.4	1269.9	1273.6	1269.9	1263.3	1253.0	1245.5	1245.5
40°	1236.2	1238.0	1247.4	1261.4	1273.6	1279.2	1274.5	1265.2	1252.1	1242.7	1241.8
42.5°	1227.7	1230.5	1240.8	1259.6	1274.5	1283.0	1278.3	1267.0	1251.1	1240.8	1239.9
45°	1216.5	1217.4	1230.5	1253.0	1272.7	1283.9	1280.1	1266.1	1248.3	1236.2	1234.3
47.5°	1198.7	1200.6	1216.5	1242.7	1267.0	1279.2	1276.4	1260.5	1238.0	1224.0	1221.2
50°	1178.1	1180.0	1198.7	1228.7	1255.8	1269.9	1265.2	1245.5	1221.2	1202.5	1200.6
52.5°	1152.9	1156.6	1177.2	1210.9	1239.9	1253.0	1245.5	1220.3	1192.2	1171.6	1169.7
55°	1122.0	1125.7	1149.1	1184.7	1213.7	1224.0	1213.7	1183.8	1153.8	1130.4	1125.7
57.5°	1083.6	1086.4	1108.9	1146.3	1174.4	1182.8	1169.7	1138.8	1103.3	1078.0	1075.2
60°	1027.5	1031.2	1057.4	1092.1	1120.1	1130.4	1117.3	1079.9	1041.5	1016.3	1015.3
62.5°	960.1	966.7	989.1	1026.5	1051.8	1065.9	1048.1	1009.7	971.3	942.3	942.3
65°	878.7	883.4	907.7	944.2	968.5	980.7	962.9	927.4	885.2	860.0	857.2
67.5°	785.1	788.9	810.4	847.8	874.0	884.3	864.7	831.0	791.7	764.5	761.7
70°	681.2	686.9	702.8	737.4	760.8	766.4	751.4	719.6	684.1	659.7	657.9
72.5°	568.0	572.7	593.3	620.4	639.1	641.0	631.7	608.3	571.8	552.1	549.3
75°	452.0	459.5	477.2	500.6	514.7	514.7	509.1	492.2	460.4	445.4	445.4
77.5°	342.5	346.2	365.0	380.9	392.1	397.7	391.2	376.2	350.9	340.6	335.0
80°	238.6	242.4	250.8	263.0	274.2	277.9	270.4	258.3	244.2	236.8	233.0
82.5°	146.0	149.7	154.4	161.0	168.4	172.2	167.5	160.0	147.9	146.9	146.0
85°	70.2	72.1	75.8	77.7	81.4	82.3	83.3	79.5	75.8	71.1	73.0
87.5°	21.5	21.5	22.5	23.4	25.3	25.3	25.3	24.3	22.5	21.5	21.5
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)