

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: STREETWORKS

Report Number: P639401

Luminaire Tested: **USSL-M-PA6D-730-U-5WQ**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-PA6D-730-U-5WQ
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE V WIDE OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63822 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B5 - U0 - G5

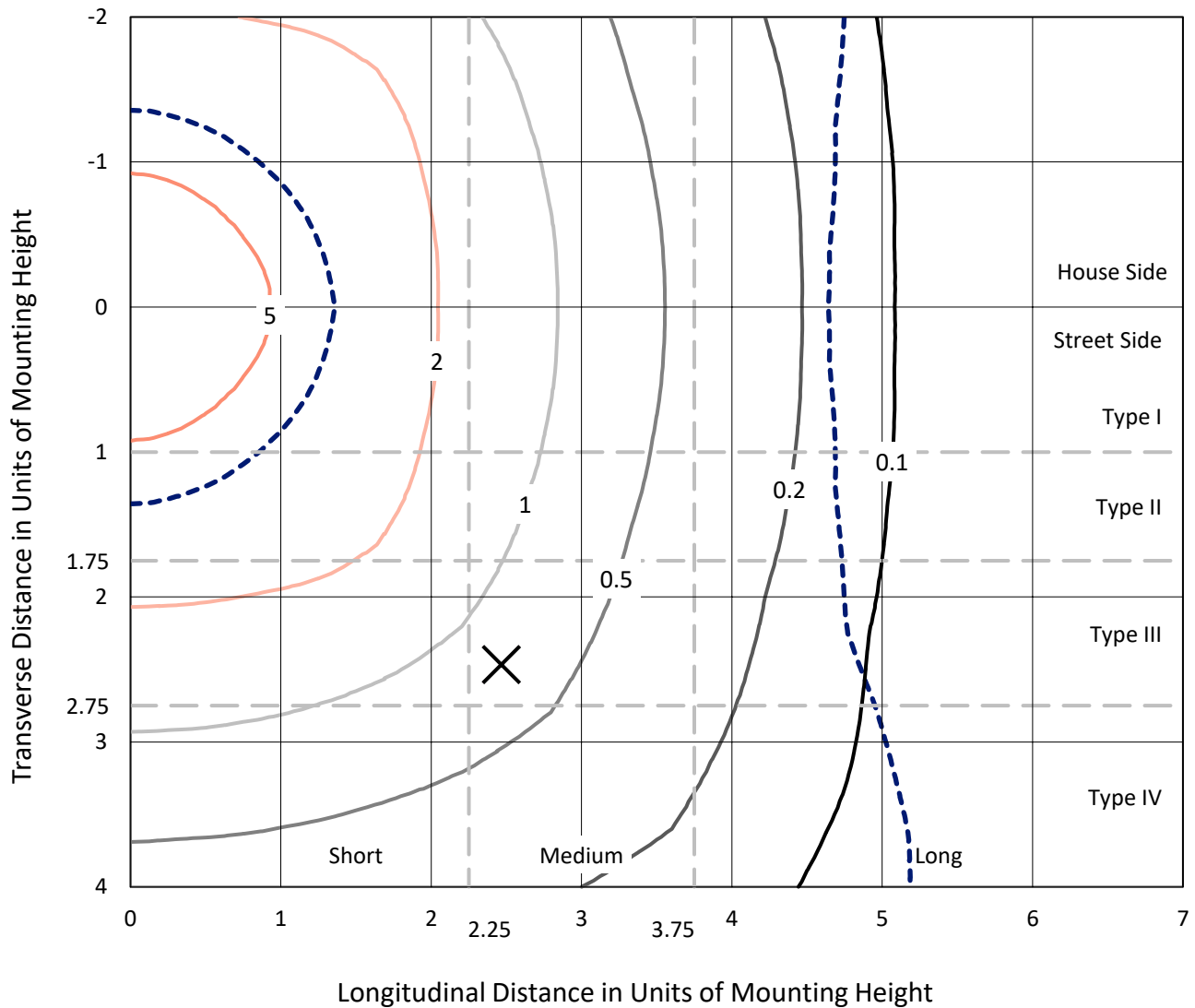
Input Watts (W): 544
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P639401
 CATALOG NUMBER: USSL-M-PA6D-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

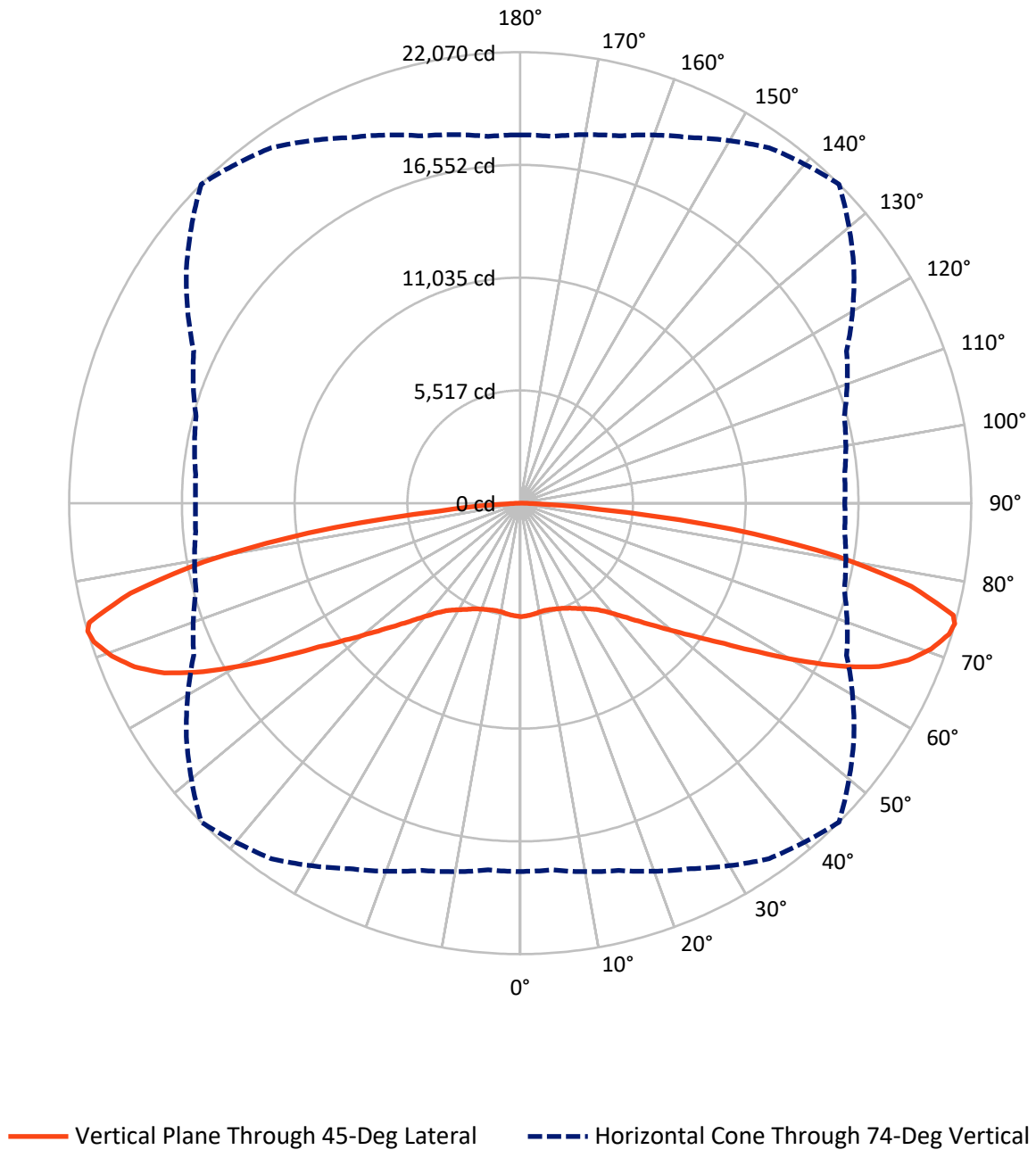
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Medium - N/A

REPORT NUMBER: P639401
CATALOG NUMBER: USSL-M-PA6D-730-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P639401

CATALOG NUMBER: USSL-M-PA6D-730-U-5WQ

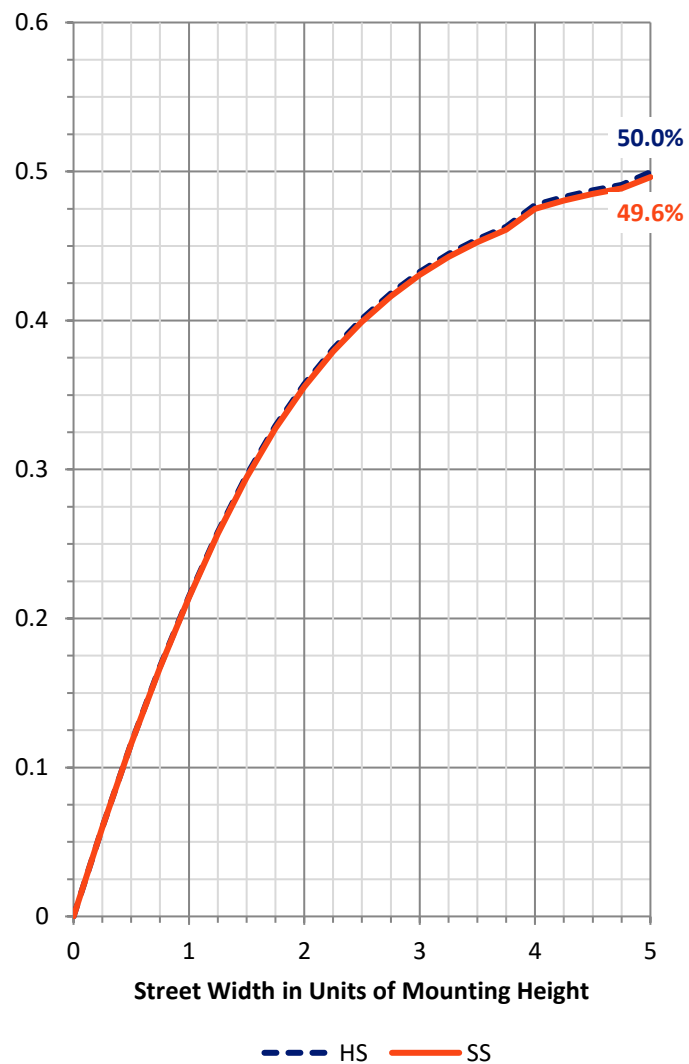
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31911.0	0.0	31911.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31911.0	0.0	31911.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	63822.0	0.0	63822.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.4	0.8
10°-20°	1549.2	2.4
20°-30°	2661.2	4.2
30°-40°	4094.6	6.4
40°-50°	6563.3	10.3
50°-60°	10716.5	16.8
60°-70°	16710.2	26.2
70°-80°	17824.0	27.9
80°-90°	3180.7	5.0
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°	63822.0	100.0
0°-180°	63822.0	100.0

Coefficient of Utilization



REPORT NUMBER: P639401

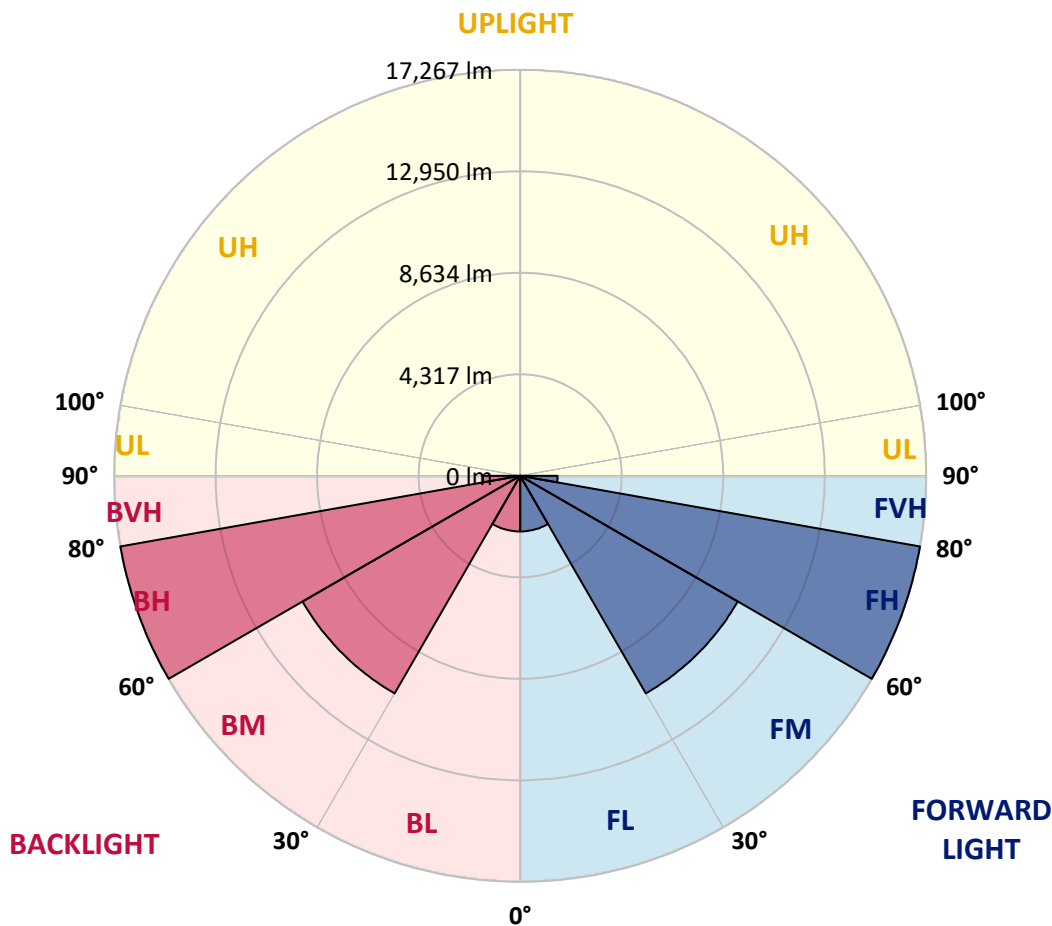
CATALOG NUMBER: USSL-M-PA6D-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2366.4	3.7			
FM	(30°-60°)	10687.2	16.7			
FH	(60°-80°)	17267.1	27.1			G5
FVH	(80°-90°)	1590.4	2.5			G5
BL	(0°-30°)	2366.4	3.7	B3/2500		
BM	(30°-60°)	10687.2	16.7	B5		
BH	(60°-80°)	17267.1	27.1	B5		G5
BVH	(80°-90°)	1590.4	2.5			G5
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Medium



REPORT NUMBER: P639401

CATALOG NUMBER: USSL-M-PA6D-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5553.4	5553.4	5553.4	5553.4	5553.4	5553.4	5553.4	5553.4	5553.4	5553.4	5553.4
2.5°	5547.5	5556.4	5549.0	5535.6	5529.6	5525.2	5528.2	5537.1	5547.5	5551.9	5547.5
5°	5491.0	5498.4	5495.5	5488.0	5491.0	5492.5	5498.4	5510.3	5519.2	5522.2	5522.2
7.5°	5425.6	5433.0	5434.5	5431.6	5443.4	5447.9	5456.8	5468.7	5479.1	5486.5	5488.0
10°	5410.8	5410.8	5406.3	5397.4	5400.4	5403.3	5415.2	5436.0	5456.8	5467.2	5473.2
12.5°	5436.0	5436.0	5421.2	5398.9	5387.0	5385.5	5397.4	5427.1	5462.8	5485.1	5485.1
15°	5480.6	5476.1	5455.3	5427.1	5410.8	5403.3	5412.2	5442.0	5486.5	5516.3	5519.2
17.5°	5519.2	5519.2	5498.4	5468.7	5450.9	5447.9	5449.4	5473.2	5519.2	5554.9	5562.3
20°	5562.3	5563.8	5544.5	5517.8	5505.9	5504.4	5508.8	5522.2	5563.8	5602.5	5609.9
22.5°	5636.6	5635.1	5612.9	5584.6	5580.2	5583.1	5586.1	5596.5	5638.1	5679.7	5676.8
25°	5739.2	5745.1	5716.9	5690.1	5688.6	5691.6	5694.6	5708.0	5749.6	5791.2	5788.2
27.5°	5864.0	5871.4	5840.2	5819.4	5825.4	5835.8	5831.3	5837.3	5867.0	5910.1	5901.2
30°	6009.6	6000.7	5982.9	5976.9	5987.3	5987.3	5981.4	5979.9	5999.2	6039.4	6029.0
32.5°	6192.4	6188.0	6165.7	6161.2	6168.6	6161.2	6158.2	6165.7	6189.5	6229.6	6223.6
35°	6465.9	6455.5	6427.2	6406.4	6404.9	6387.1	6394.5	6422.8	6467.3	6501.5	6501.5
37.5°	6788.3	6807.7	6777.9	6739.3	6714.0	6703.6	6715.5	6763.1	6834.4	6868.6	6868.6
40°	7259.4	7265.4	7223.7	7177.7	7149.4	7131.6	7145.0	7200.0	7293.6	7338.2	7317.4
42.5°	7803.3	7803.3	7764.7	7705.2	7660.7	7656.2	7668.1	7732.0	7833.0	7879.1	7850.9
45°	8475.0	8428.9	8393.3	8326.4	8280.3	8281.8	8295.2	8357.6	8446.8	8512.2	8481.0
47.5°	9170.5	9134.8	9103.6	9029.3	9002.6	9005.5	9015.9	9081.3	9154.1	9235.9	9207.6
50°	9898.7	9886.8	9889.7	9839.2	9857.1	9868.9	9864.5	9903.1	9961.1	10001.2	9949.2
52.5°	10659.5	10650.6	10739.8	10757.6	10851.2	10886.9	10843.8	10812.6	10802.2	10736.8	10662.5
55°	11466.5	11463.5	11650.7	11791.9	12037.1	12120.3	12013.3	11829.1	11683.4	11522.9	11448.6
57.5°	12386.3	12404.2	12641.9	12964.4	13474.1	13723.8	13423.6	12976.3	12664.2	12410.1	12332.8
60°	13377.5	13376.0	13732.7	14252.8	15122.2	15608.1	15007.7	14208.2	13707.4	13350.8	13245.3
62.5°	14319.7	14324.2	14756.6	15526.4	16825.2	17563.8	16548.8	15342.1	14686.8	14246.9	14156.2
65°	15533.8	15529.4	15915.7	16747.9	18351.4	19298.0	17984.3	16529.5	15737.4	15258.9	15140.0
67.5°	17155.1	17107.6	17465.7	18217.6	19614.5	20494.3	19238.6	17721.3	16865.3	16415.0	16325.9
70°	18431.6	18452.4	18928.0	19685.9	20694.9	21339.9	20100.5	18690.2	17795.6	17271.0	17174.4
72.5°	18589.2	18581.7	19147.9	20168.8	21333.9	21935.8	20373.9	18505.9	17306.7	16725.6	16654.3
74°	18023.0	18015.5	18607.0	19737.9	21234.3	22069.5	19937.0	17626.2	16421.0	15938.0	15883.0
75°	17361.7	17214.5	17921.9	19150.9	20861.3	21883.8	19283.1	16883.2	15801.3	15322.8	15260.4
77.5°	12872.3	12622.6	13909.5	16217.4	18621.8	19565.5	16997.6	14318.2	12851.5	11928.6	11796.4
80°	6381.2	6188.0	7522.4	10479.7	13747.6	15737.4	13205.2	9510.8	7486.8	6251.9	6094.3
82.5°	1542.5	1566.3	2359.9	4303.6	7483.8	10460.4	7749.8	4122.3	2728.4	1954.2	1769.9
85°	374.5	378.9	688.0	1059.6	2466.9	3935.1	2532.3	1208.2	961.5	723.7	705.9
87.5°	107.0	114.4	230.3	277.9	429.5	581.1	564.7	548.4	560.2	402.7	337.3
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)