

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: CORELITE

Report Number: P286905

Luminaire Tested: **DWI-WD-25L840-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (ITL87015-GONIOPHOTOMETRY)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DWI-WD-25L840-1D-UNV-STD-W-WM-4
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE
WAVESTREAM DIFFUSE OPTIC, ASYMMETRIC
Light Source: (154) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2542.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.5 / 1.34 / 1.55
Luminous Opening: Rectangular (W 3.86' x L: 0.36' x H: 0')
CIE Type: General Diffuse

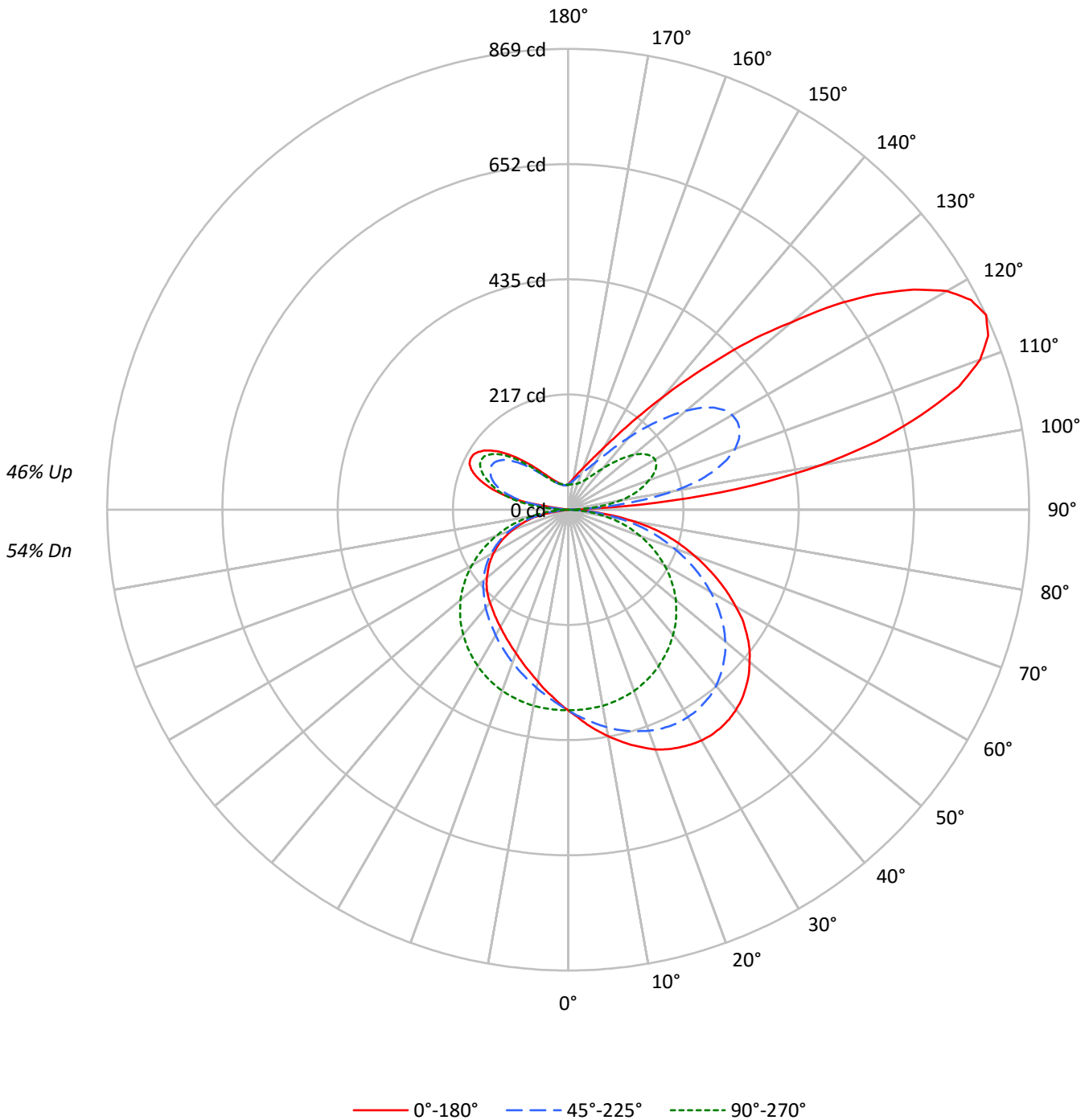
Input Watts (W): 19
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P286905

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	98	93	89	85	91	87	83	80	74	72	69	63	61	59	52	51	49	44
2	89	81	74	69	82	75	69	64	64	60	56	54	51	48	45	43	41	36
3	81	70	63	56	74	65	59	53	56	51	46	47	43	40	39	36	34	30
4	73	62	54	47	68	58	50	44	49	44	39	42	37	34	35	31	29	25
5	67	55	46	40	62	51	43	38	44	38	33	37	32	29	31	27	24	21
6	62	49	40	34	57	46	38	32	39	33	29	33	29	25	28	24	21	18
7	57	44	36	30	52	41	34	28	35	29	25	30	25	22	25	22	19	16
8	53	40	32	26	49	37	30	25	32	26	22	28	23	19	23	19	17	14
9	49	36	29	23	45	34	27	22	29	24	20	25	21	17	21	18	15	13
10	46	33	26	21	42	31	24	20	27	21	18	23	19	15	20	16	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	2889	2889	2889
5°	3116	2894	2705
10°	3364	2914	2551
15°	3631	2930	2432
20°	3913	2957	2341
25°	4172	2980	2284
30°	4434	3005	2254
35°	4679	3035	2256
40°	4911	3067	2285
45°	5117	3110	2338
50°	5306	3148	2379
55°	5480	3177	2428
60°	5571	3203	2472
65°	5620	3218	2509
70°	5651	3216	2473
75°	5759	3217	2415
80°	5508	3075	1685
85°	3953	2393	0



TEST NUMBER: P286905

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	1.4
10°-20°	106.8	4.2
20°-30°	170.4	6.7
30°-40°	219.3	8.6
40°-50°	245.3	9.7
50°-60°	240.4	9.5
60°-70°	200.4	7.9
70°-80°	129.9	5.1
80°-90°	32.2	1.3
90°-100°	75.7	3.0
100°-110°	255.9	10.1
110°-120°	307.3	12.1
120°-130°	251.6	9.9
130°-140°	147.6	5.8
140°-150°	69.1	2.7
150°-160°	33.2	1.3
160°-170°	16.0	0.6
170°-180°	4.7	0.2
0°-30°	313.4	12.3
0°-40°	532.7	21.0
0°-60°	1018.5	40.1
0°-90°	1381.0	54.3
90°-120°	638.9	25.1
90°-150°	1107.2	43.6
90°-180°	1161.0	45.7
0°-180°	2542.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	378	378	378	378	378	
5°	406	398	377	360	353	40
15°	459	432	370	324	308	131
25°	495	451	354	290	271	229
35°	502	446	325	257	242	314
45°	474	413	288	225	216	365
55°	411	352	238	190	182	367
65°	311	263	178	145	139	307
75°	195	160	109	88	82	203
85°	45	38	27	2	0	54
90°	8	5	0	0	0	9
95°	198	79	47	3	0	220
105°	689	286	136	123	146	716
115°	869	357	182	162	205	846
125°	709	336	181	161	194	631
135°	402	233	131	121	140	318
145°	189	133	79	78	86	124
155°	104	84	57	57	60	50
165°	71	63	50	49	49	21
175°	53	50	48	46	46	5
180°	47	47	47	47	47	



TEST NUMBER: P286905

CATALOG NUMBER: DWI-WD-25L840-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2
2.5°	391.0	391.8	391.8	391.0	390.1	388.4	386.7	384.2	382.5	379.9	378.2
5°	406.3	406.3	406.3	403.8	401.2	397.8	393.5	389.3	385.0	380.8	377.4
7.5°	420.0	420.8	419.1	416.5	412.3	407.2	401.2	394.4	387.6	379.9	376.5
10°	433.6	434.4	431.9	429.3	423.4	416.5	408.0	397.8	388.4	379.1	375.7
12.5°	446.4	447.2	444.7	441.2	434.4	425.1	414.0	401.2	389.3	379.1	373.1
15°	459.1	459.1	456.6	452.3	443.0	431.9	419.1	403.8	389.3	376.5	370.5
17.5°	470.2	469.4	466.8	460.8	450.6	437.8	422.5	404.6	388.4	374.0	367.1
20°	481.3	480.4	477.0	470.2	459.1	443.8	426.8	406.3	387.6	371.4	363.7
22.5°	489.0	488.1	484.7	477.0	465.1	448.1	428.5	405.5	385.0	368.0	358.6
25°	494.9	494.9	490.7	483.0	469.4	450.6	429.3	404.6	382.5	362.9	353.5
27.5°	499.2	499.2	494.9	486.4	471.9	452.3	428.5	402.9	378.2	357.8	347.5
30°	502.6	501.7	497.5	487.2	472.8	451.5	426.8	399.5	374.0	351.8	340.7
32.5°	503.4	502.6	497.5	487.2	471.1	449.8	424.2	395.3	368.0	345.0	333.1
35°	501.7	500.9	495.8	484.7	467.7	445.5	419.1	389.3	361.2	337.3	325.4
37.5°	498.3	498.3	492.4	481.3	464.2	441.2	414.0	383.3	354.4	328.8	316.9
40°	492.4	492.4	486.4	474.5	457.4	433.6	406.3	375.7	345.8	319.4	307.5
42.5°	484.7	483.8	477.0	465.1	447.2	424.2	397.0	365.4	336.5	309.2	298.1
45°	473.6	472.8	466.8	454.9	436.1	413.1	385.9	355.2	326.3	299.0	287.9
47.5°	461.7	460.8	454.0	442.1	424.2	401.2	374.0	344.1	315.2	288.8	276.0
50°	446.4	446.4	439.5	427.6	409.7	386.7	359.5	330.5	302.4	276.0	264.9
52.5°	431.0	429.3	422.5	409.7	392.7	370.5	344.1	316.0	288.8	263.2	252.1
55°	411.4	408.9	402.9	391.0	374.0	351.8	327.1	299.8	274.3	249.6	238.5
57.5°	391.0	388.4	380.8	368.8	352.7	332.2	308.4	282.8	259.0	235.1	224.9
60°	364.6	364.6	356.9	345.0	329.7	310.1	288.8	264.9	241.9	219.8	209.6
62.5°	338.2	339.0	331.4	319.4	305.0	287.1	267.5	245.3	224.0	204.4	194.2
65°	310.9	310.9	303.3	292.2	279.4	263.2	244.5	224.9	205.3	187.4	178.0
67.5°	282.0	282.0	276.0	264.1	252.1	237.7	221.5	204.4	186.6	169.5	161.0
70°	253.0	252.1	247.0	236.0	224.9	212.1	197.6	183.1	167.0	151.6	144.0
72.5°	224.0	223.2	218.9	207.8	198.5	186.6	174.6	161.0	147.4	133.7	126.9
75°	195.1	193.4	189.1	178.9	170.4	160.1	148.2	138.8	126.9	115.0	109.0
77.5°	162.7	161.8	157.6	147.4	140.6	132.0	122.7	114.1	105.6	94.6	90.3
80°	125.2	123.5	121.0	112.4	108.2	101.4	94.6	88.6	81.8	74.1	69.9
82.5°	83.5	82.6	81.8	77.5	73.3	69.9	65.6	61.3	57.1	51.1	49.4
85°	45.1	46.0	45.1	42.6	40.0	38.3	37.5	34.9	33.2	29.0	27.3
87.5°	13.6	14.5	14.5	14.5	14.5	14.5	14.5	12.8	11.9	10.2	8.5
90°	7.7	7.7	7.7	6.8	6.8	5.1	4.3	2.6	1.7	0.0	0.0
92.5°	40.0	41.7	43.4	39.2	30.7	23.0	20.4	21.3	19.6	18.7	16.2
95°	197.6	196.8	190.0	164.4	120.1	79.2	63.9	61.3	55.4	52.0	46.9
97.5°	349.3	346.7	330.5	282.8	219.8	142.3	107.3	97.1	87.7	81.8	75.0
100°	483.8	480.4	455.7	394.4	305.0	203.6	149.1	129.5	116.7	106.5	99.7
102.5°	596.3	592.9	560.5	482.1	369.7	250.4	184.0	157.6	140.6	127.8	120.1
105°	689.1	686.6	645.7	551.1	419.1	286.2	211.3	179.7	160.1	144.0	136.3
107.5°	771.8	761.5	708.7	603.9	454.0	313.5	233.4	199.3	177.2	159.3	149.9
110°	826.3	816.1	756.4	638.0	476.2	334.8	253.8	216.4	192.5	172.1	161.8



TEST NUMBER: P286905

CATALOG NUMBER: DWI-WD-25L840-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	856.9	850.1	783.7	655.9	488.1	348.4	269.2	230.8	205.3	184.0	173.8
115°	868.9	859.5	788.8	655.1	489.0	356.9	281.1	242.8	216.4	191.7	182.3
117.5°	856.1	845.9	773.5	638.9	481.3	359.5	288.8	249.6	221.5	197.6	187.4
120°	824.6	812.6	740.2	611.6	466.8	356.9	292.2	253.0	224.9	200.2	189.1
122.5°	772.6	761.5	691.7	572.4	444.7	349.3	288.8	251.3	223.2	197.6	187.4
125°	708.7	696.8	633.8	528.1	417.4	335.6	281.1	244.5	216.4	192.5	181.4
127.5°	634.6	621.8	570.7	477.9	385.0	315.2	267.5	232.6	205.3	183.1	172.9
130°	549.4	545.2	501.7	425.1	351.8	290.5	247.9	215.5	190.8	170.4	161.0
132.5°	478.7	466.0	431.9	371.4	312.6	262.4	224.9	195.9	172.9	155.0	146.5
135°	402.1	392.7	366.3	319.4	274.3	232.6	200.2	174.6	154.2	138.0	131.2
137.5°	334.8	329.7	307.5	274.3	236.8	204.4	176.3	153.3	135.4	121.8	115.8
140°	276.0	272.6	257.3	230.8	202.7	177.2	153.3	133.7	118.4	106.5	101.4
142.5°	227.4	224.9	213.8	194.2	173.8	153.3	132.9	117.6	103.1	93.7	89.4
145°	189.1	187.4	178.9	165.3	148.2	132.9	116.7	103.1	91.1	82.6	79.2
147.5°	158.4	157.6	151.6	142.3	129.5	115.8	103.1	91.1	80.9	74.1	70.7
150°	135.4	134.6	131.2	122.7	113.3	103.1	92.0	82.6	73.3	67.3	64.7
152.5°	117.6	116.7	114.1	108.2	101.4	92.8	83.5	75.8	68.1	62.2	60.5
155°	103.9	103.1	101.4	97.1	91.1	84.3	76.7	69.9	63.0	58.8	57.1
157.5°	92.8	92.8	91.1	87.7	82.6	77.5	71.6	65.6	59.6	56.2	54.5
160°	84.3	84.3	82.6	79.2	76.7	71.6	66.4	61.3	57.1	54.5	52.8
162.5°	76.7	76.7	75.0	73.3	70.7	66.4	63.0	58.8	55.4	52.8	51.1
165°	70.7	70.7	69.9	68.1	65.6	63.0	59.6	56.2	52.8	51.1	50.3
167.5°	64.7	65.6	64.7	63.0	61.3	58.8	56.2	53.7	52.0	50.3	49.4
170°	60.5	60.5	59.6	58.8	57.9	55.4	54.5	52.8	50.3	49.4	48.6
172.5°	56.2	56.2	55.4	55.4	54.5	53.7	52.0	51.1	49.4	48.6	48.6
175°	52.8	52.8	52.0	52.0	52.0	50.3	50.3	49.4	48.6	48.6	47.7
177.5°	50.3	50.3	50.3	49.4	49.4	49.4	49.4	48.6	47.7	47.7	46.9
180°	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9



TEST NUMBER: P286905

CATALOG NUMBER: DWI-WD-25L840-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	378.2	378.2	378.2	378.2
2.5°	374.0	368.8	366.3	366.3
5°	368.0	359.5	354.4	352.7
7.5°	362.9	350.1	343.3	341.6
10°	356.1	341.6	332.2	328.8
12.5°	349.3	332.2	322.0	317.7
15°	341.6	323.7	311.8	307.5
17.5°	334.8	315.2	302.4	297.3
20°	327.1	306.7	293.0	287.9
22.5°	320.3	298.1	284.5	279.4
25°	312.6	289.6	276.0	270.9
27.5°	305.0	282.0	267.5	263.2
30°	296.4	273.4	259.8	255.5
32.5°	289.6	264.9	253.0	248.7
35°	281.1	257.3	245.3	241.9
37.5°	272.6	249.6	238.5	235.1
40°	263.2	241.9	231.7	229.1
42.5°	254.7	233.4	224.9	223.2
45°	245.3	224.9	218.1	216.4
47.5°	236.0	217.2	210.4	208.7
50°	225.7	208.7	201.9	200.2
52.5°	214.7	199.3	192.5	190.8
55°	204.4	190.0	183.1	182.3
57.5°	192.5	179.7	172.9	172.1
60°	180.6	168.7	162.7	161.8
62.5°	167.8	156.7	150.8	150.8
65°	155.0	144.8	138.8	138.8
67.5°	141.4	132.0	126.9	125.2
70°	127.8	118.4	111.6	110.7
72.5°	114.1	103.9	96.3	96.3
75°	98.0	87.7	81.8	81.8
77.5°	82.6	70.7	65.6	65.6
80°	64.7	52.0	45.1	38.3
82.5°	43.4	30.7	1.7	0.0
85°	22.1	1.7	0.0	0.0
87.5°	2.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	2.6	0.0	0.0	0.0
95°	32.4	2.6	0.9	0.0
97.5°	63.0	48.6	5.1	0.0
100°	88.6	79.2	80.9	80.9
102.5°	106.5	103.9	114.1	120.1
105°	120.1	122.7	138.0	146.5
107.5°	131.2	138.0	157.6	167.8
110°	141.4	149.1	172.9	184.8



TEST NUMBER: P286905

CATALOG NUMBER: DWI-WD-25L840-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	149.9	156.7	184.0	197.6
115°	156.7	161.8	190.0	205.3
117.5°	161.0	165.3	192.5	207.8
120°	162.7	167.0	191.7	207.0
122.5°	161.0	165.3	187.4	201.9
125°	156.7	161.0	180.6	194.2
127.5°	149.9	154.2	172.1	183.1
130°	139.7	144.0	160.1	170.4
132.5°	128.6	132.9	147.4	155.0
135°	115.8	121.0	132.9	139.7
137.5°	103.1	108.2	118.4	124.4
140°	92.0	96.3	104.8	109.9
142.5°	81.8	86.0	92.8	97.1
145°	73.3	77.5	82.6	86.0
147.5°	66.4	70.7	75.0	77.5
150°	61.3	64.7	69.0	69.9
152.5°	57.9	60.5	63.0	64.7
155°	54.5	57.1	59.6	60.5
157.5°	52.0	54.5	55.4	57.1
160°	50.3	52.0	53.7	53.7
162.5°	49.4	50.3	51.1	52.0
165°	48.6	49.4	49.4	49.4
167.5°	47.7	47.7	47.7	47.7
170°	47.7	46.9	46.9	46.9
172.5°	46.9	46.9	46.0	46.9
175°	46.9	46.0	46.0	46.0
177.5°	46.9	46.9	46.9	46.9
180°	46.9	46.9	46.9	46.9

(END OF REPORT)