

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P628937

Luminaire Tested: GWS-SA1A-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2809.8 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

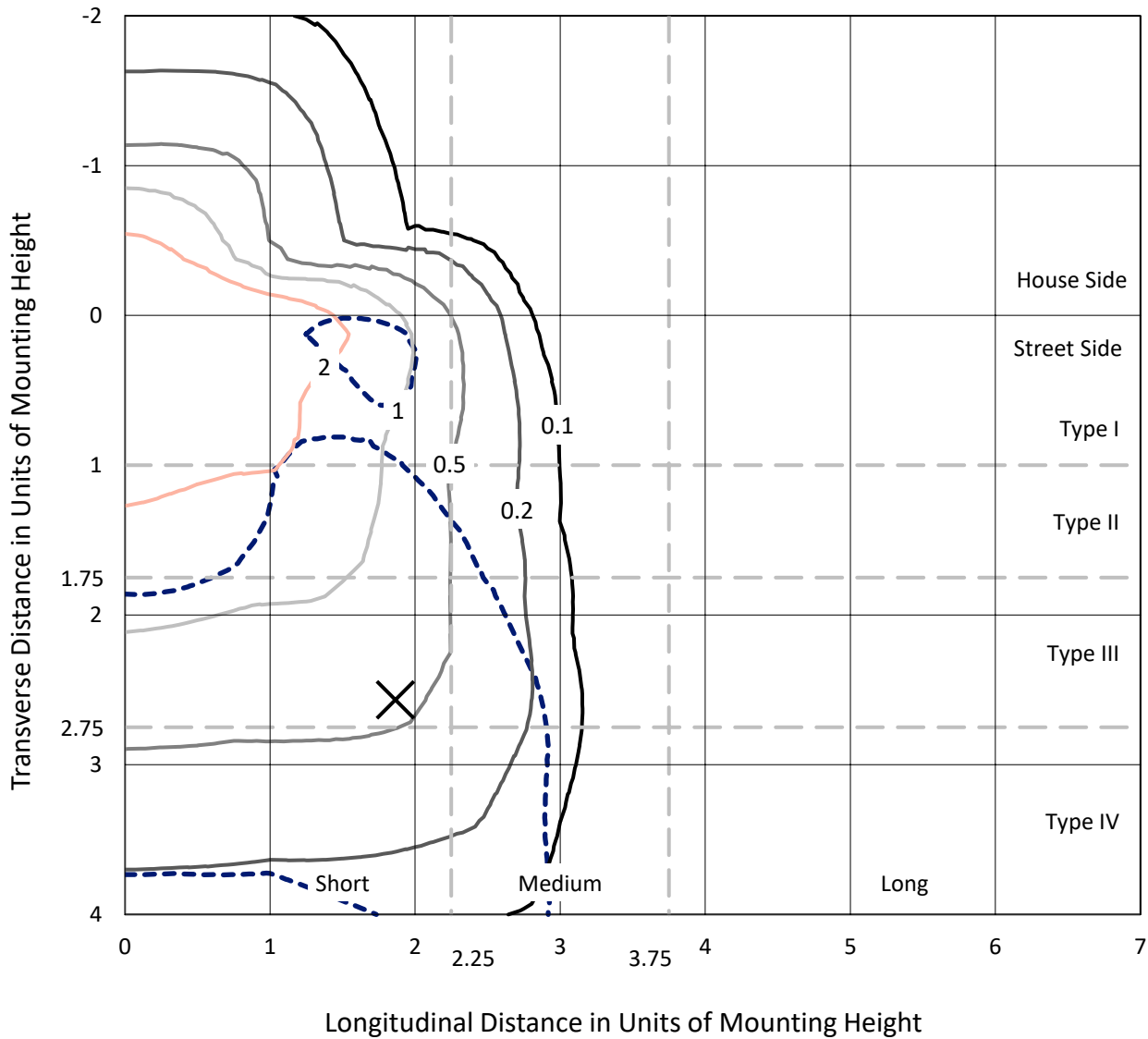
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

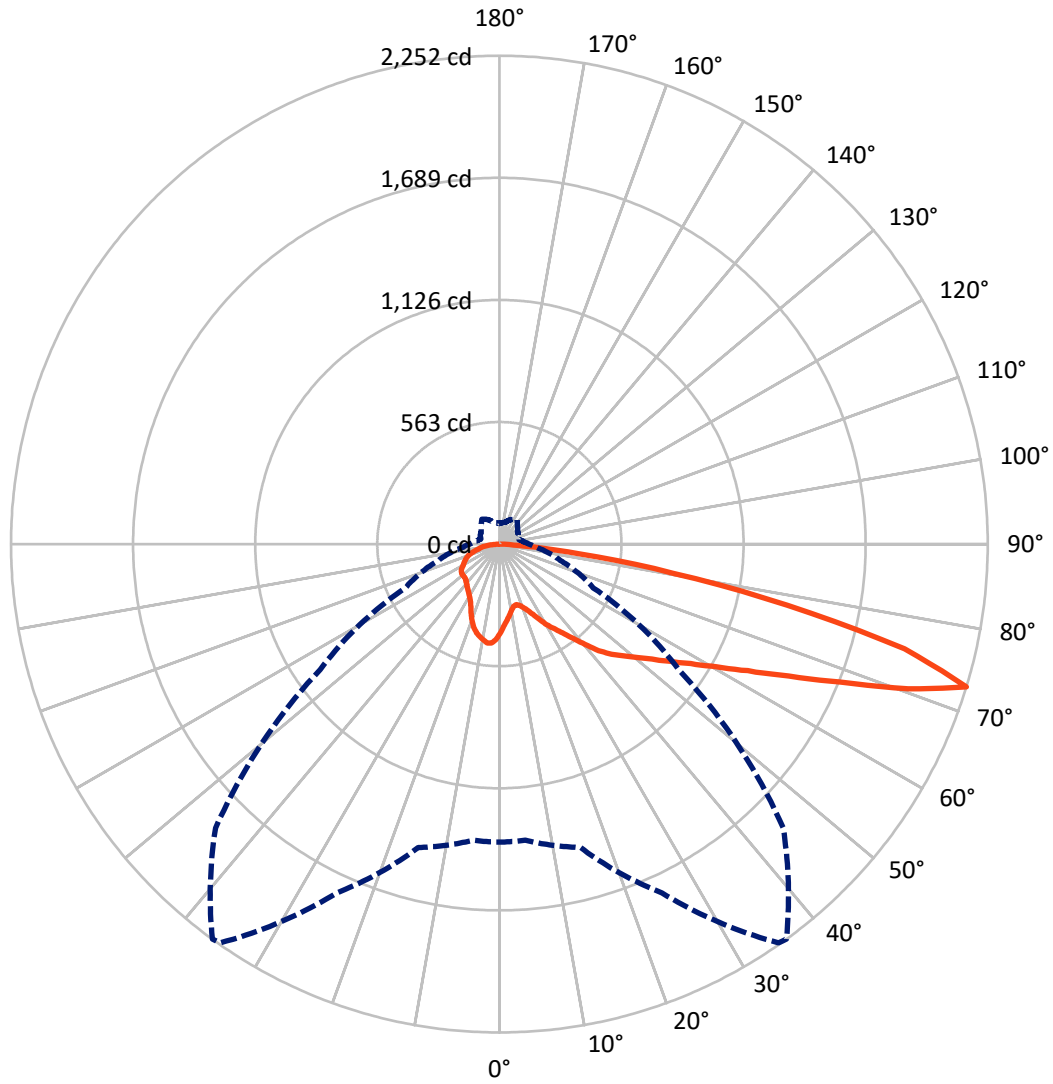
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	647.8	0.0	647.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	2162.0	0.0	2162.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	2809.8	0.0	2809.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	1.4
10°-20°	108.5	3.9
20°-30°	179.6	6.4
30°-40°	269.0	9.6
40°-50°	392.4	14.0
50°-60°	558.5	19.9
60°-70°	705.7	25.1
70°-80°	502.8	17.9
80°-90°	54.9	2.0
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°	2809.8	100.0
0°-180°	2809.8	100.0

Coefficient of Utilization



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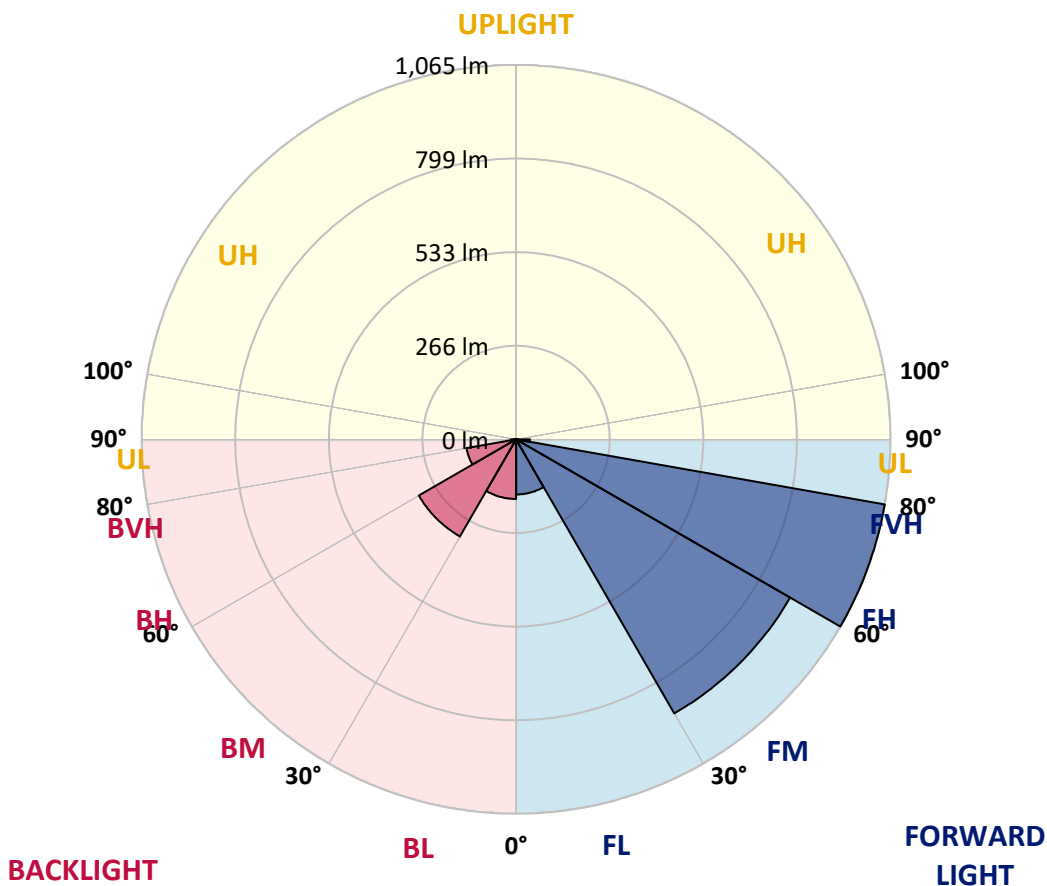
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.9	5.6			
FM (30°-60°)	900.5	32.0			
FH (60°-80°)	1065.3	37.9			G1/1800
FVH (80°-90°)	39.4	1.4			G1/100
BL (0°-30°)	169.6	6.0	B1/500		
BM (30°-60°)	319.4	11.4	B1/1000		
BH (60°-80°)	143.2	5.1	B1/500		G1/500
BVH (80°-90°)	15.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2
2.5°	375.2	374.5	373.3	377.0	380.8	380.4	385.6	390.6	396.0	401.6	409.1
5°	345.1	344.7	343.7	349.3	354.9	354.7	363.3	371.4	382.4	394.5	409.6
7.5°	315.1	314.1	315.5	322.6	330.5	331.4	343.0	356.4	372.4	390.6	411.9
10°	288.6	288.4	289.0	297.0	308.8	309.7	324.7	343.2	364.5	388.7	417.1
12.5°	281.7	281.3	279.6	283.6	292.6	293.8	310.3	333.0	359.1	389.7	424.2
15°	293.0	291.9	286.1	284.2	288.6	289.7	303.6	327.0	356.0	391.6	433.1
17.5°	312.4	311.8	300.7	293.0	295.9	296.7	307.2	325.9	355.1	395.4	444.2
20°	340.7	338.0	320.7	309.0	309.0	310.3	316.6	330.5	356.2	400.0	456.7
22.5°	378.3	372.9	348.5	332.6	328.4	330.1	332.8	342.0	360.6	407.7	472.3
25°	420.4	415.4	386.4	364.1	358.3	358.9	356.6	358.3	370.1	418.3	491.7
27.5°	465.2	461.9	431.0	402.7	393.5	393.5	385.4	381.4	383.5	430.4	513.4
30°	505.3	500.7	474.6	443.5	431.5	431.5	416.0	407.5	402.5	445.2	542.4
32.5°	526.3	523.6	506.3	482.5	467.7	465.4	452.1	442.1	430.4	467.1	581.6
35°	553.9	553.2	542.8	524.3	505.5	502.1	493.0	485.0	464.8	494.4	633.7
37.5°	588.5	587.4	585.8	574.7	552.2	551.6	543.4	533.8	507.6	533.8	696.9
40°	627.3	625.4	623.3	623.1	609.5	607.2	606.6	595.8	559.1	581.4	762.8
42.5°	680.7	674.2	654.6	663.3	673.4	671.3	679.2	662.9	623.3	637.9	825.2
45°	746.3	730.5	691.7	694.2	719.4	723.6	751.1	747.2	694.0	703.2	890.9
47.5°	785.8	772.0	735.9	733.8	765.3	770.5	830.4	837.9	770.1	781.8	972.0
50°	818.1	808.5	778.9	781.8	815.2	820.4	909.0	925.1	841.8	862.3	1066.2
52.5°	857.1	843.3	820.4	834.1	875.0	881.3	996.4	1013.7	906.5	950.7	1163.8
55°	879.0	873.3	873.8	894.8	946.1	954.7	1087.9	1085.0	965.7	1026.4	1237.2
57.5°	929.4	927.3	946.5	954.5	1029.1	1040.2	1179.5	1154.4	1019.5	1085.0	1272.5
60°	1018.5	1013.3	1029.9	1042.0	1131.7	1147.3	1281.6	1222.4	1056.0	1128.6	1260.6
62.5°	1143.6	1137.1	1137.8	1156.9	1269.1	1285.6	1395.3	1279.1	1067.3	1135.3	1185.3
65°	1299.2	1289.8	1279.1	1305.2	1451.6	1465.4	1519.0	1320.4	1040.4	1071.0	1028.1
67.5°	1463.3	1455.6	1443.0	1497.7	1687.9	1696.2	1657.6	1316.9	955.1	899.2	721.1
70°	1472.9	1474.7	1534.0	1731.7	1996.3	1998.4	1788.8	1245.6	773.4	582.8	359.3
72.5°	1374.0	1370.9	1448.1	1774.4	2244.4	2251.5	1850.7	1009.1	478.0	290.7	168.5
75°	1116.1	1121.5	1202.6	1552.5	1923.7	1930.0	1508.7	594.9	227.1	142.2	107.8
77.5°	480.5	510.7	670.6	1093.8	1377.8	1358.4	777.6	241.1	121.2	101.3	82.6
80°	138.7	150.6	239.0	520.1	825.6	811.0	307.8	90.3	84.5	76.1	59.2
82.5°	44.8	49.6	87.6	207.1	369.9	369.5	116.8	53.4	55.3	51.7	38.2
85°	12.5	14.4	26.9	62.8	114.5	112.2	33.8	25.2	29.4	29.8	19.0
87.5°	0.0	0.0	0.2	0.4	0.4	0.4	0.8	3.8	8.5	10.8	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2
2.5°	413.7	413.1	421.7	428.3	434.6	438.8	440.0	440.8	442.5	443.3	442.5
5°	416.6	419.8	434.0	444.4	452.7	457.7	457.9	457.5	458.8	457.7	457.1
7.5°	422.9	429.0	446.9	457.9	463.4	463.6	458.6	452.7	449.8	447.3	446.5
10°	431.2	440.2	459.8	467.1	465.4	457.7	446.7	437.5	432.3	428.5	427.7
12.5°	442.7	452.7	471.3	471.1	460.6	446.9	434.0	422.9	415.4	411.0	409.6
15°	453.6	466.3	479.6	469.8	453.4	436.7	420.0	405.2	395.2	388.3	387.0
17.5°	466.9	480.5	485.7	465.9	444.2	422.7	400.4	381.0	367.4	359.3	358.7
20°	482.3	494.4	488.6	459.0	432.3	404.1	373.9	352.2	337.6	329.7	330.3
22.5°	500.3	509.0	489.4	449.6	415.8	377.9	344.1	323.2	313.4	309.3	309.5
25°	519.5	525.1	488.0	436.9	390.6	345.7	313.4	303.8	303.0	302.0	302.4
27.5°	542.2	540.9	483.6	418.9	356.6	308.4	291.9	294.4	297.8	297.4	297.8
30°	572.6	560.7	478.0	394.1	316.1	277.1	279.2	286.3	290.7	291.1	292.4
32.5°	607.5	582.6	469.0	360.3	277.6	259.6	267.3	275.9	281.1	282.1	283.8
35°	649.0	607.7	453.1	318.2	249.8	249.2	256.3	262.1	267.8	268.2	268.2
37.5°	696.7	632.7	427.9	271.7	232.7	240.2	246.9	248.2	249.6	248.4	249.0
40°	740.5	656.9	392.0	229.4	218.8	232.3	237.9	233.8	229.2	226.0	226.7
42.5°	777.2	673.4	344.5	199.8	204.6	225.2	229.6	221.0	212.1	206.2	207.1
45°	818.5	688.6	288.6	179.8	192.5	220.2	223.1	212.1	200.6	191.9	190.6
47.5°	875.4	719.6	239.0	165.8	183.9	217.5	222.3	207.3	192.3	179.1	177.7
50°	945.7	763.6	197.5	156.6	180.0	216.0	222.1	202.1	184.1	168.7	167.7
52.5°	1022.4	806.6	166.8	149.5	176.0	211.7	221.0	196.2	175.6	158.9	157.7
55°	1073.5	823.5	146.2	142.8	169.5	204.8	216.9	190.6	162.7	147.4	145.6
57.5°	1088.5	801.8	131.8	136.8	161.2	195.2	208.9	178.7	154.7	142.6	141.2
60°	1062.7	747.2	122.8	131.8	152.0	182.9	195.2	171.8	148.5	137.6	136.6
62.5°	989.7	662.9	115.9	126.6	142.6	170.0	186.4	163.5	141.6	133.0	131.6
65°	842.9	543.6	110.3	121.2	133.7	157.7	176.8	155.1	134.1	127.6	126.0
67.5°	589.5	381.8	104.3	114.7	124.7	145.8	166.8	147.4	126.4	121.6	119.9
70°	288.2	202.5	97.0	107.2	115.1	133.7	156.8	138.0	116.2	113.4	111.1
72.5°	137.2	113.2	88.4	97.0	102.0	117.6	140.1	124.5	104.1	98.2	94.3
75°	92.0	80.5	77.2	84.9	86.1	98.6	120.1	107.4	91.8	85.1	81.7
77.5°	69.6	61.5	64.9	71.7	69.2	81.1	98.8	95.7	82.8	76.7	75.1
80°	49.0	44.8	51.5	55.7	53.8	69.0	89.0	82.0	68.2	61.5	60.3
82.5°	30.9	30.0	38.0	38.6	39.2	54.6	73.2	64.4	53.0	43.6	40.5
85°	15.4	17.1	22.7	22.7	22.5	28.2	41.7	36.3	28.6	22.7	22.1
87.5°	5.2	7.3	9.8	7.9	6.0	4.8	5.4	6.7	7.1	6.9	6.9
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)