

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: P628959

Luminaire Tested: GWS-SA1A-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2819.4 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

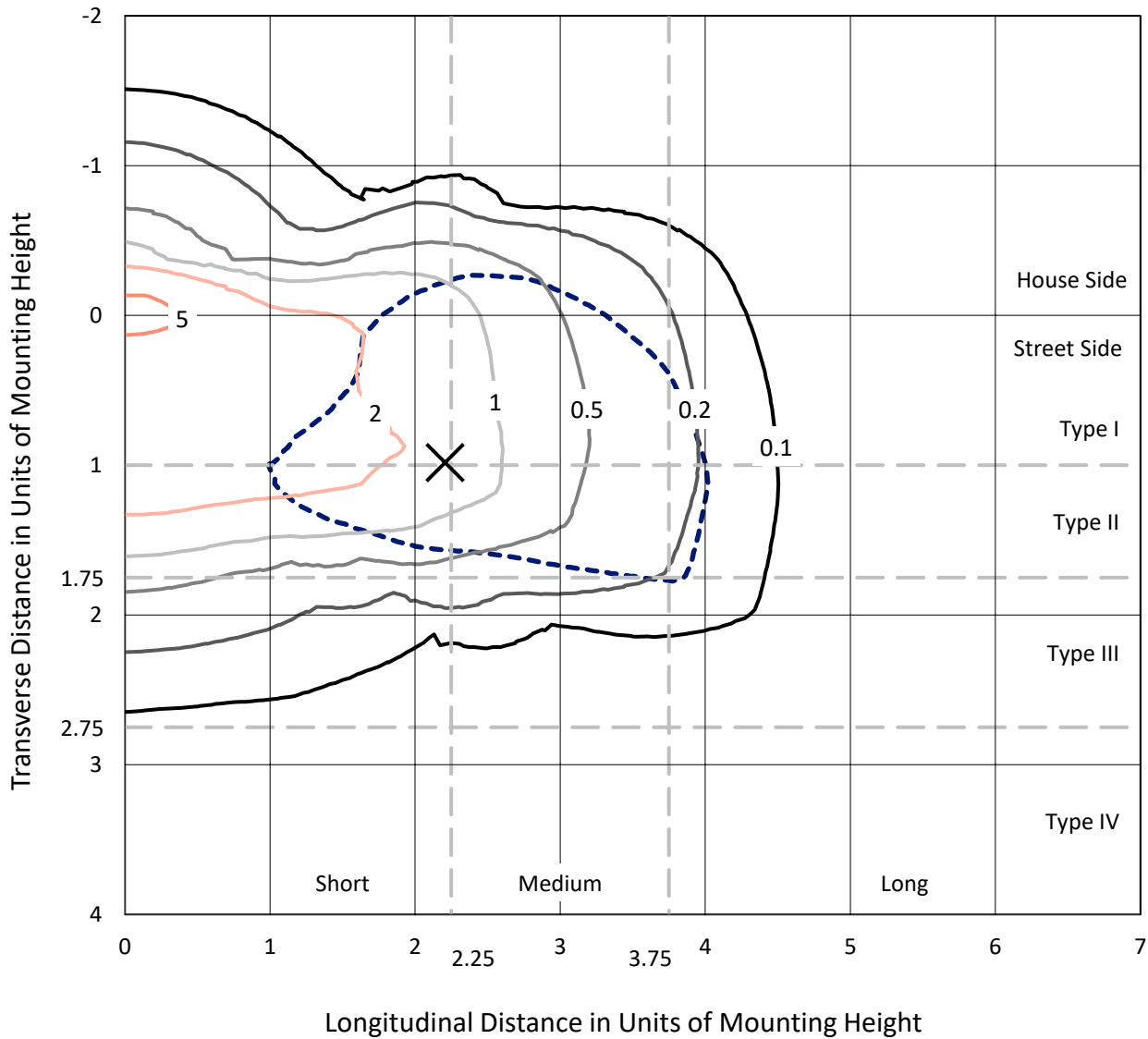
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

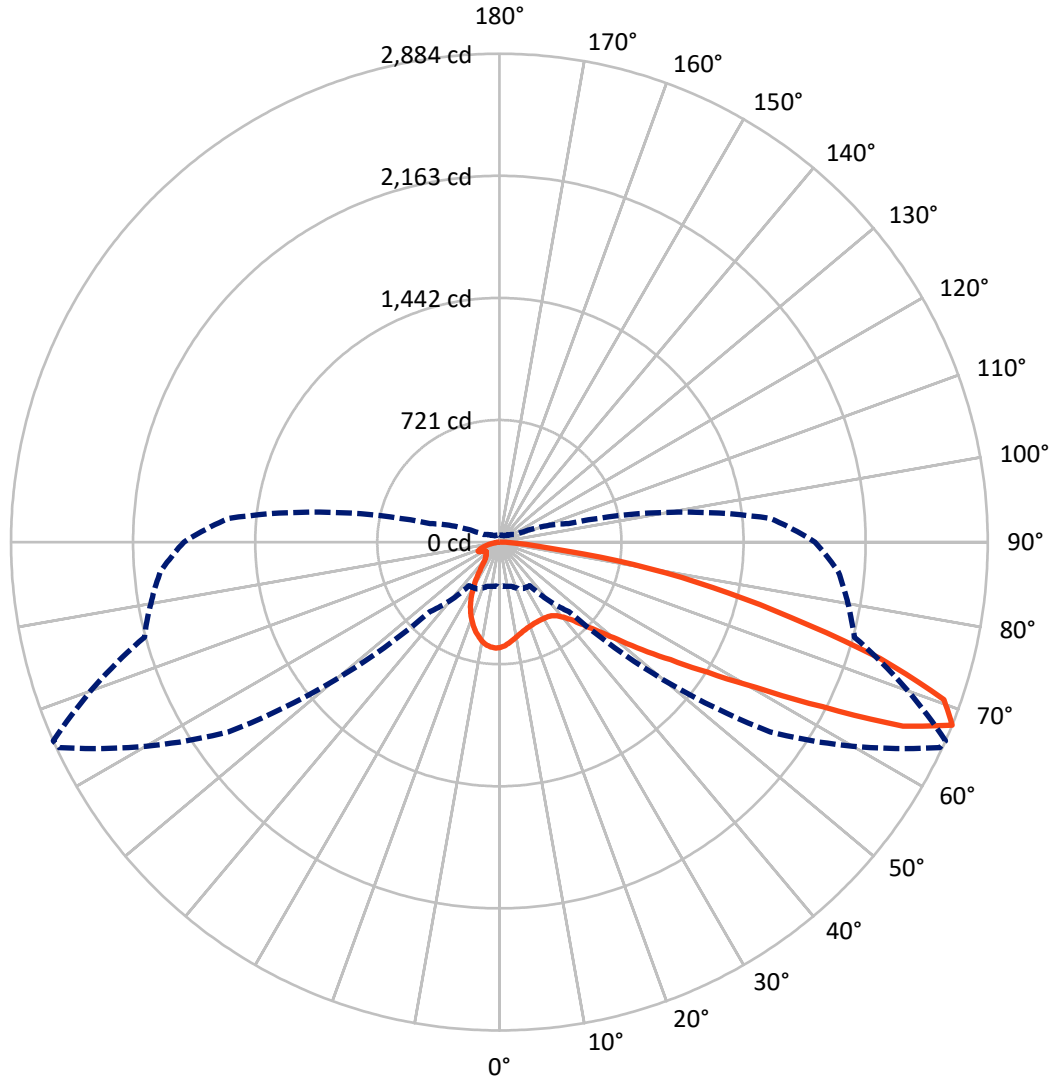
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	572.1	0.0	572.1
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	2247.3	0.0	2247.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	2819.4	0.0	2819.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	1.9
10°-20°	134.4	4.8
20°-30°	184.7	6.6
30°-40°	252.5	9.0
40°-50°	382.6	13.6
50°-60°	594.8	21.1
60°-70°	724.2	25.7
70°-80°	441.1	15.6
80°-90°	50.4	1.8
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°	2819.4	100.0
0°-180°	2819.4	100.0

Coefficient of Utilization



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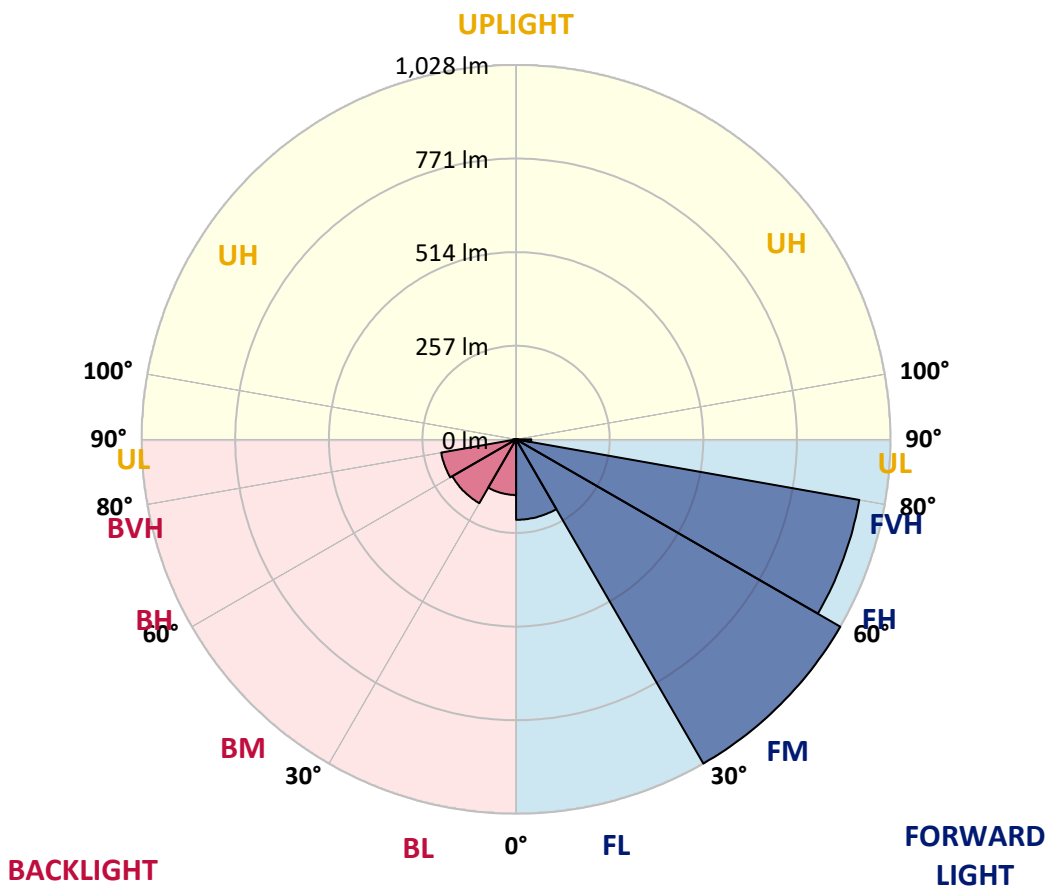
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.9	7.8			
FM (30°-60°)	1027.8	36.5			
FH (60°-80°)	956.7	33.9			G1/1800
FVH (80°-90°)	41.9	1.5			G1/100
BL (0°-30°)	152.8	5.4	B1/500		
BM (30°-60°)	202.2	7.2	B0/220		
BH (60°-80°)	208.6	7.4	B1/500		G1/500
BVH (80°-90°)	8.5	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0
2.5°	583.5	585.6	584.3	592.2	592.6	602.4	608.0	612.7	613.1	619.3	623.4
5°	543.6	544.8	544.8	552.3	557.2	570.4	583.1	596.7	597.7	612.5	623.8
7.5°	511.3	512.6	511.7	521.6	528.0	542.6	558.8	579.6	581.7	605.5	625.3
10°	486.0	485.6	487.7	496.7	504.9	522.4	540.5	564.2	567.3	597.5	626.9
12.5°	468.7	469.2	470.4	479.9	488.7	506.0	524.7	550.4	553.7	588.2	626.1
15°	460.5	459.7	460.7	469.4	477.8	493.0	512.4	538.9	542.2	580.0	626.3
17.5°	458.7	458.1	457.8	464.0	470.4	484.6	503.1	530.0	533.5	574.7	627.5
20°	464.4	463.6	461.3	464.0	466.7	478.6	496.5	523.7	527.6	571.2	630.0
22.5°	480.3	478.8	475.3	472.0	468.5	475.7	492.4	518.9	522.8	568.9	632.5
25°	504.3	503.1	499.4	492.0	479.2	478.0	491.6	516.9	520.8	567.3	633.5
27.5°	537.4	535.6	531.9	521.2	500.4	486.4	494.7	516.7	520.4	565.4	632.5
30°	576.7	575.5	573.4	560.5	532.7	504.3	501.7	518.3	521.2	564.4	630.4
32.5°	616.6	615.4	617.0	610.9	576.7	533.9	516.9	522.8	524.9	564.2	628.6
35°	651.8	653.2	665.2	666.2	632.7	574.1	540.9	533.3	533.7	568.3	629.4
37.5°	688.6	694.2	709.8	723.2	695.2	627.1	576.7	553.1	552.7	578.8	634.5
40°	737.4	739.8	759.8	784.9	767.4	699.9	627.5	585.4	582.5	600.2	648.3
42.5°	784.9	790.8	822.7	851.5	845.8	782.0	691.5	633.7	628.6	638.0	676.7
45°	845.3	851.1	886.9	923.9	934.4	874.8	773.4	702.4	697.3	695.0	728.7
47.5°	905.8	911.8	943.9	997.3	1034.2	990.8	879.9	793.1	784.7	775.8	807.3
50°	946.5	953.5	984.2	1048.4	1134.7	1135.6	1006.2	912.0	901.3	887.3	918.0
52.5°	945.1	949.6	978.8	1052.9	1207.1	1302.0	1175.3	1063.4	1054.7	1024.3	1051.0
55°	870.9	877.6	907.1	999.6	1215.0	1459.7	1423.7	1241.9	1226.5	1172.0	1201.4
57.5°	721.7	727.5	757.1	871.3	1145.6	1540.5	1739.2	1469.4	1448.2	1332.8	1366.7
60°	544.8	537.9	551.8	651.8	979.9	1542.6	2017.7	1777.9	1742.5	1504.8	1533.1
62.5°	408.9	401.9	405.0	433.2	664.3	1418.0	2176.5	2200.0	2141.5	1698.9	1693.4
65°	323.1	319.2	328.1	347.4	387.3	1079.8	2177.7	2656.4	2619.6	1923.9	1857.7
67.5°	263.3	260.8	269.9	305.6	314.1	580.2	1952.7	2869.5	2883.9	2170.3	2010.1
70°	212.1	208.4	222.5	269.6	292.1	351.1	1398.8	2760.9	2784.1	2317.2	1967.1
72.5°	146.4	146.7	153.8	218.4	282.0	303.2	791.3	2298.9	2349.3	2184.1	1729.4
75°	98.7	99.5	101.6	144.2	259.8	294.1	421.6	1740.5	1776.1	1805.3	1429.5
77.5°	59.6	60.1	64.8	87.2	179.1	274.6	285.7	1261.6	1289.6	1190.1	886.1
80°	34.6	36.0	40.3	58.4	120.9	206.3	221.1	773.6	805.2	529.0	281.6
82.5°	15.2	16.2	22.0	33.9	70.5	175.4	172.6	305.6	301.1	147.5	97.7
85°	2.7	3.3	4.7	10.7	25.9	92.6	133.9	134.9	126.9	55.9	40.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	20.2	36.2	36.0	15.8	14.0
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°	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0
2.5°	626.1	620.5	625.5	626.1	625.1	624.2	618.1	612.7	612.1	606.3	606.3
5°	628.4	623.2	625.7	621.0	613.5	605.9	592.8	583.7	579.6	572.2	572.2
7.5°	631.4	626.1	623.2	611.5	594.2	577.6	556.4	538.7	531.5	521.0	520.6
10°	634.3	627.5	617.7	594.8	567.3	540.7	509.9	484.8	467.7	455.2	455.2
12.5°	634.1	625.3	605.7	572.0	533.9	495.5	454.3	416.5	393.9	374.3	373.1
15°	633.7	621.6	590.5	545.5	495.1	441.8	385.9	336.5	303.0	283.8	282.2
17.5°	633.3	616.8	573.4	515.2	447.8	375.2	301.3	247.8	219.9	208.1	208.6
20°	633.3	611.5	555.1	480.5	393.3	295.4	221.1	182.2	175.2	175.9	176.5
22.5°	631.4	604.9	534.8	442.6	332.6	217.2	163.1	149.9	153.6	159.4	160.2
25°	627.1	594.0	511.1	400.7	260.4	158.2	133.1	130.6	137.4	144.6	146.7
27.5°	620.3	581.5	484.6	351.5	191.7	127.1	117.0	116.8	122.2	127.5	129.4
30°	613.1	567.5	456.6	296.8	138.8	110.7	106.7	106.7	109.4	112.7	112.3
32.5°	604.7	553.3	426.6	239.8	113.1	101.4	100.2	99.5	100.0	101.2	101.2
35°	597.5	540.7	395.7	179.6	101.4	96.3	95.0	93.6	93.0	92.1	92.6
37.5°	594.8	530.9	363.8	135.3	95.6	92.6	90.5	88.4	87.0	86.6	86.4
40°	599.1	526.7	332.0	111.5	91.5	88.6	86.4	83.7	82.5	82.5	82.5
42.5°	616.0	529.8	299.5	100.8	88.6	85.4	82.1	79.6	79.2	79.6	79.8
45°	646.9	541.8	265.7	95.4	86.2	82.1	78.2	76.3	76.3	76.7	76.7
47.5°	702.0	573.0	232.4	92.1	83.7	79.4	75.3	73.4	73.2	73.6	73.6
50°	797.4	629.4	202.4	89.9	81.9	77.3	73.2	70.8	70.1	69.9	69.9
52.5°	917.7	727.1	183.3	88.2	79.6	75.1	71.0	67.7	66.4	65.8	65.8
55°	1063.2	857.3	183.3	87.0	76.7	72.4	67.7	64.4	62.5	61.7	61.7
57.5°	1227.9	1008.9	214.9	86.0	74.5	69.3	64.2	60.9	58.8	57.6	57.6
60°	1395.5	1169.1	293.3	84.5	72.4	65.4	60.3	57.2	54.5	53.1	52.9
62.5°	1569.3	1345.6	396.6	85.4	71.0	61.7	56.2	52.7	50.4	49.0	48.7
65°	1728.5	1513.6	486.8	91.7	71.2	58.4	51.4	48.3	46.5	44.6	44.4
67.5°	1863.7	1606.4	423.5	104.7	75.5	54.5	46.7	43.6	42.0	40.7	40.5
70°	1769.1	1464.9	240.2	112.7	81.4	50.4	41.3	39.3	37.6	36.8	36.6
72.5°	1512.8	1240.3	160.6	99.5	74.3	45.0	36.4	34.8	33.5	32.5	32.3
75°	1225.4	983.6	122.8	81.7	57.8	36.6	31.3	30.0	28.8	27.8	27.6
77.5°	725.0	568.3	90.5	64.6	40.7	28.6	25.9	24.9	23.7	22.8	22.6
80°	231.4	197.5	57.4	44.4	26.9	22.0	20.0	19.1	17.9	16.9	16.7
82.5°	88.2	76.3	30.4	22.6	17.9	15.0	13.4	12.5	11.7	10.7	10.5
85°	39.1	36.6	16.9	12.1	9.7	7.4	6.6	6.2	5.1	4.3	4.1
87.5°	13.8	13.8	7.2	3.5	2.1	1.0	0.6	0.2	0.0	0.0	0.0
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)