

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: P628850

Luminaire Tested: GWS-SA1A-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-740-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1663.3 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

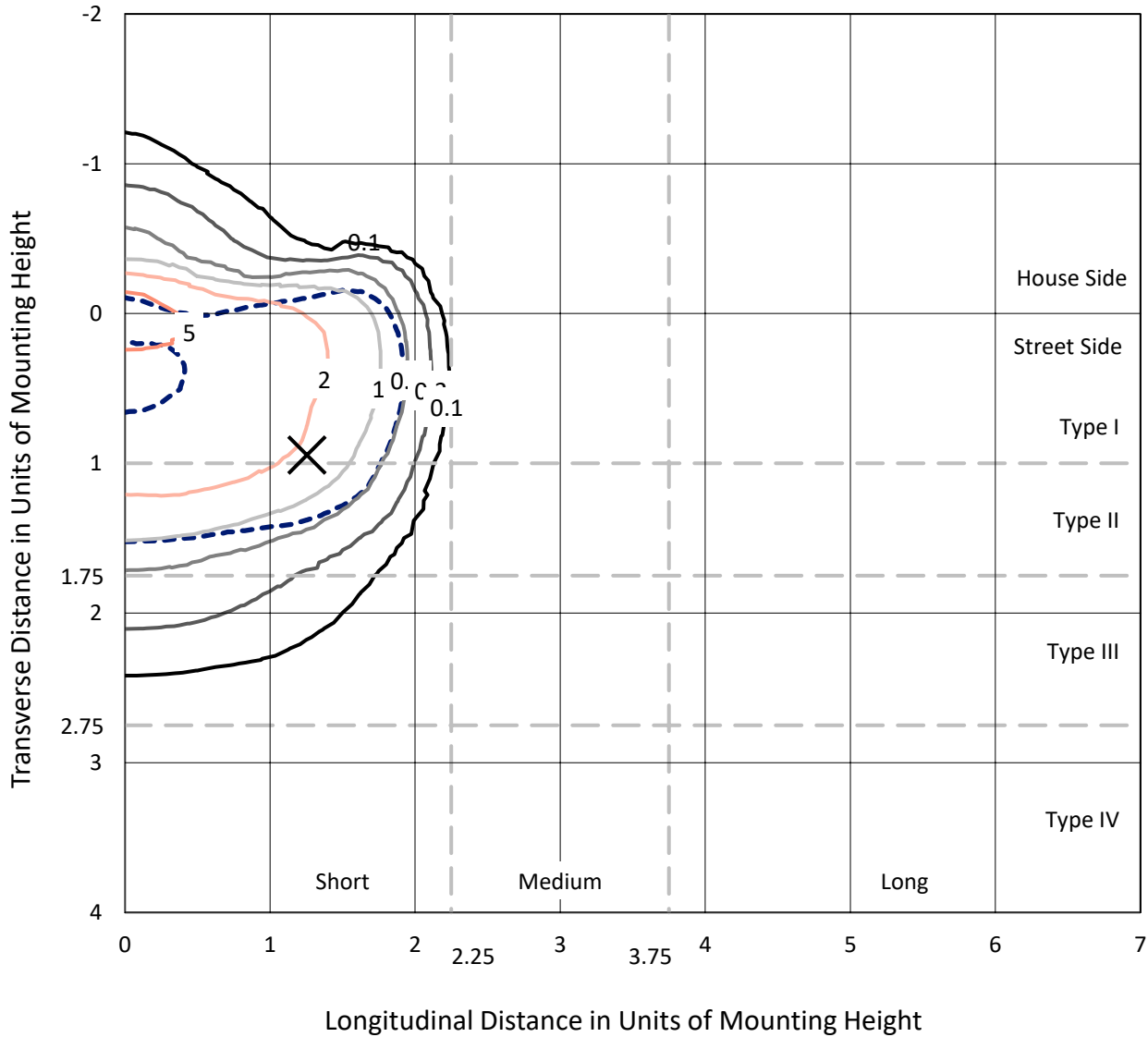
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628850
 CATALOG NUMBER: GWS-SA1A-740-U-SL3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

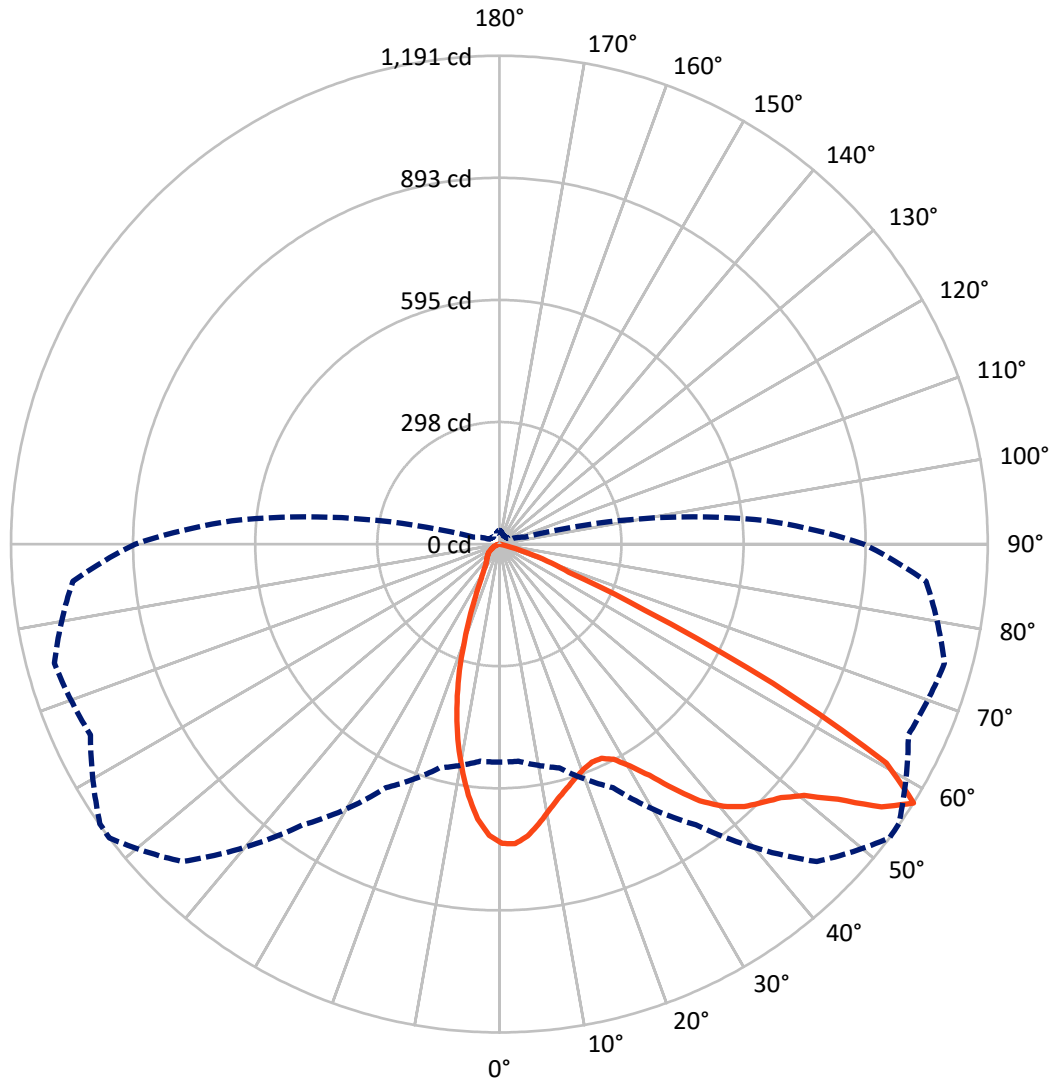
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - N/A

REPORT NUMBER: P628850
CATALOG NUMBER: GWS-SA1A-740-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P628850
 CATALOG NUMBER: GWS-SA1A-740-U-SL3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	274.8	0.0	274.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	1388.5	0.0	1388.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	1663.3	0.0	1663.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	3.8
10°-20°	137.0	8.2
20°-30°	178.5	10.7
30°-40°	259.0	15.6
40°-50°	373.7	22.5
50°-60°	451.9	27.2
60°-70°	184.2	11.1
70°-80°	16.5	1.0
80°-90°	0.0	0.0
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°	1663.3	100.0
0°-180°	1663.3	100.0

Coefficient of Utilization



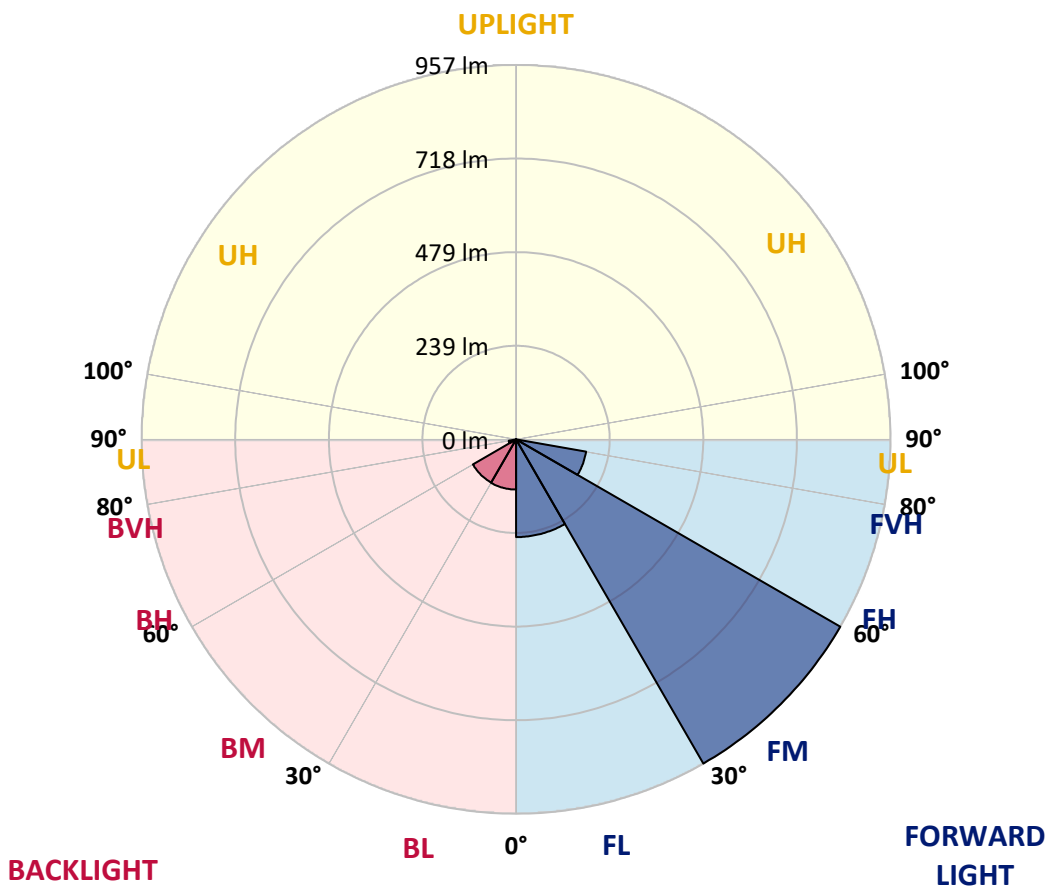
REPORT NUMBER: P628850

CATALOG NUMBER: GWS-SA1A-740-U-SL3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.8	15.0			
FM (30°-60°)	957.0	57.5			
FH (60°-80°)	181.7	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	128.2	7.7	B1/500		
BM (30°-60°)	127.5	7.7	B0/220		
BH (60°-80°)	19.0	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





REPORT NUMBER: P628850

CATALOG NUMBER: GWS-SA1A-740-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6
2.5°	719.4	721.1	723.9	727.6	730.0	731.2	731.2	734.7	732.5	730.6	728.6
5°	688.6	690.3	694.1	700.1	706.0	710.3	715.1	718.8	720.2	720.2	716.8
7.5°	645.2	647.5	649.9	658.1	670.9	680.5	688.8	694.1	701.9	704.3	699.4
10°	598.5	600.8	606.3	617.5	632.2	646.4	660.7	667.4	680.7	687.6	682.1
12.5°	559.0	560.0	567.3	580.8	599.6	619.1	636.5	643.4	662.1	672.5	666.0
15°	526.4	527.0	534.3	549.2	570.8	594.9	616.7	623.8	646.9	662.5	652.8
17.5°	501.7	501.9	508.2	524.3	547.0	573.7	599.6	608.3	638.1	657.0	642.4
20°	489.3	488.7	493.1	507.2	528.6	555.3	585.9	596.7	633.2	656.2	634.4
22.5°	489.5	488.0	489.9	499.9	518.0	543.1	577.3	589.6	633.6	659.7	627.7
25°	501.1	499.1	499.5	504.8	517.6	540.4	578.6	591.6	641.8	671.3	625.2
27.5°	520.7	518.4	518.4	521.1	528.0	548.8	593.8	608.7	663.6	693.9	630.3
30°	545.9	543.7	542.9	545.5	551.2	570.4	627.9	643.4	700.9	731.0	646.6
32.5°	574.9	572.2	573.7	577.3	582.8	609.3	671.7	692.3	747.6	781.0	676.0
35°	605.5	603.2	609.7	617.7	626.3	663.4	732.3	750.2	804.8	843.2	720.9
37.5°	634.6	633.6	647.3	664.0	681.7	728.2	793.8	807.7	854.0	910.9	775.7
40°	663.8	663.6	687.0	716.4	744.7	792.8	840.5	851.9	883.9	963.4	828.3
42.5°	696.4	696.4	728.8	767.9	805.7	847.4	874.8	879.9	897.4	993.8	867.8
45°	727.6	729.4	766.9	812.4	857.0	890.1	898.4	898.8	902.9	1011.8	900.7
47.5°	752.2	753.9	798.7	851.1	899.2	922.5	923.7	921.9	917.4	1028.9	925.9
50°	772.2	774.7	821.6	877.0	928.2	953.7	963.0	961.2	949.8	1047.2	943.7
52.5°	782.0	785.5	829.5	889.9	960.4	1007.1	1033.2	1037.4	998.3	1057.4	960.6
55°	703.7	708.8	749.4	832.0	978.3	1089.6	1130.6	1129.8	1050.9	1087.8	1001.8
57.5°	531.5	531.1	564.7	655.0	835.6	1094.3	1190.5	1188.9	1100.0	1123.1	1044.0
60°	361.9	359.4	368.4	412.0	584.3	891.5	1083.5	1105.5	1065.2	1037.4	886.4
62.5°	297.8	295.6	292.7	280.7	335.6	555.3	748.6	782.0	776.7	721.1	555.9
65°	243.8	245.7	253.6	248.5	233.4	284.8	388.6	408.3	373.3	314.1	194.3
67.5°	179.8	180.6	191.0	217.9	209.8	189.6	182.9	186.1	109.1	50.1	32.4
70°	106.2	106.8	116.4	152.5	170.2	145.6	123.5	121.7	43.2	13.5	14.7
72.5°	60.1	58.9	60.8	72.6	92.8	77.3	63.6	57.9	13.0	7.5	7.5
75°	28.5	27.7	23.9	22.4	20.4	13.0	8.2	6.9	3.3	3.1	3.1
77.5°	0.2	0.6	0.4	0.6	0.6	0.4	0.2	0.2	0.6	0.6	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P628850

CATALOG NUMBER: GWS-SA1A-740-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6
2.5°	724.9	718.8	717.4	717.0	711.3	705.2	698.8	696.4	692.7	690.5	692.3
5°	711.3	702.5	694.8	687.6	675.0	661.1	649.1	641.3	634.0	629.1	630.3
7.5°	691.9	680.5	662.8	644.6	621.4	600.6	577.3	563.1	549.8	542.5	545.9
10°	671.3	656.2	627.9	597.1	560.6	528.0	494.8	467.7	452.0	437.1	438.7
12.5°	651.1	631.2	588.8	542.1	496.0	447.9	397.7	360.2	334.5	316.0	313.1
15°	632.4	606.7	550.6	489.1	426.3	362.3	298.2	244.6	214.9	196.5	195.3
17.5°	615.7	583.9	511.1	433.6	354.9	273.0	199.4	159.2	142.1	134.1	133.3
20°	599.6	560.8	470.7	377.3	277.0	191.6	137.6	119.1	113.6	110.3	110.7
22.5°	584.1	535.7	428.3	315.0	207.7	134.5	106.6	99.5	98.9	99.3	99.5
25°	571.0	512.7	384.7	254.8	148.2	102.5	89.1	87.0	88.9	91.5	91.9
27.5°	564.3	494.0	342.1	194.3	107.2	83.4	77.3	78.1	81.3	84.2	84.6
30°	566.1	479.9	298.0	140.9	82.6	70.3	68.3	69.9	73.2	75.8	76.2
32.5°	579.2	472.8	253.0	102.5	67.9	61.4	60.5	61.8	64.6	66.7	66.9
35°	605.1	474.4	210.2	78.5	58.3	54.6	54.4	55.2	56.7	58.1	58.3
37.5°	643.2	487.6	168.0	65.2	52.8	50.1	49.3	49.3	50.4	51.0	51.4
40°	684.2	507.6	134.5	57.7	48.9	46.1	44.4	43.8	44.6	45.5	45.7
42.5°	718.0	527.6	109.3	52.4	45.9	42.0	40.0	39.5	40.6	42.0	42.4
45°	743.9	543.1	91.1	48.1	42.4	38.1	35.9	35.9	37.7	40.2	40.6
47.5°	767.5	555.5	77.7	44.2	39.1	34.7	32.4	32.8	35.9	39.1	39.8
50°	783.6	565.5	67.7	40.8	36.5	31.8	29.8	30.6	34.2	38.1	38.7
52.5°	801.0	577.7	61.2	37.7	34.0	29.6	27.7	28.3	32.4	36.7	37.5
55°	848.9	618.7	61.0	33.6	29.8	26.5	25.7	25.9	30.0	34.9	35.9
57.5°	888.0	654.8	65.0	28.3	24.9	23.2	22.8	23.0	26.7	32.2	33.4
60°	734.7	508.8	53.8	23.4	20.8	20.4	19.8	20.2	23.6	28.5	29.6
62.5°	434.8	290.9	25.7	17.9	17.7	17.3	16.7	17.5	20.8	25.1	25.7
65°	148.6	86.2	16.3	14.7	15.1	14.5	13.9	14.7	17.5	20.0	20.2
67.5°	28.5	22.8	13.0	12.2	12.4	11.2	11.0	11.8	13.5	13.9	13.7
70°	14.9	13.3	10.0	10.0	9.6	8.0	8.0	8.8	8.8	8.2	8.0
72.5°	7.7	7.3	6.5	7.3	6.1	4.9	4.9	5.3	4.9	4.1	4.1
75°	3.1	3.1	2.9	3.7	2.7	2.2	2.0	2.4	1.8	1.4	1.4
77.5°	0.8	0.8	0.8	1.0	0.6	0.6	0.4	0.4	0.2	0.0	0.0
80°	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)