

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208510

Luminaire Tested: UPW-SA1-070-727-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-727-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6962 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 67
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: 28.75 FT



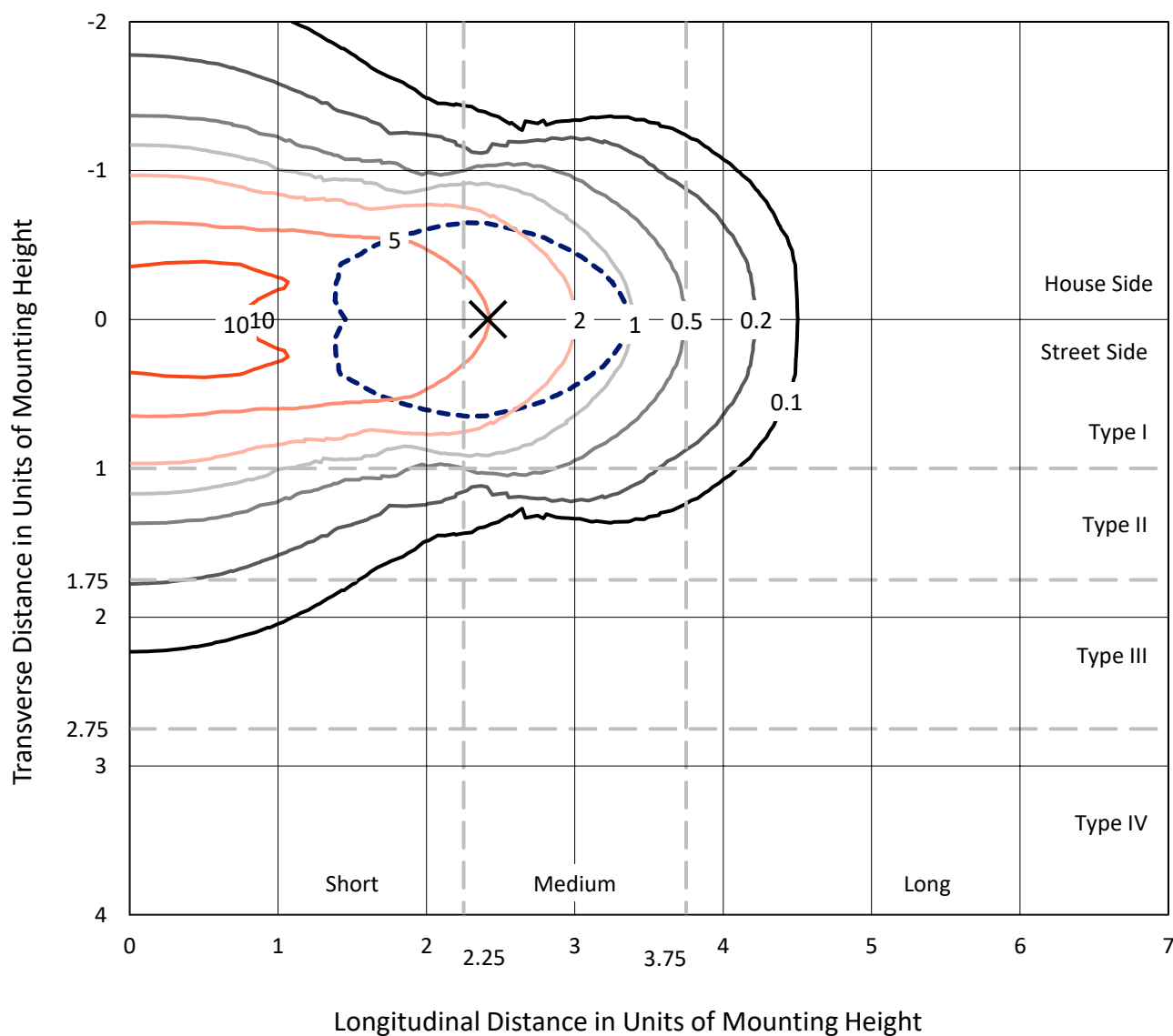
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



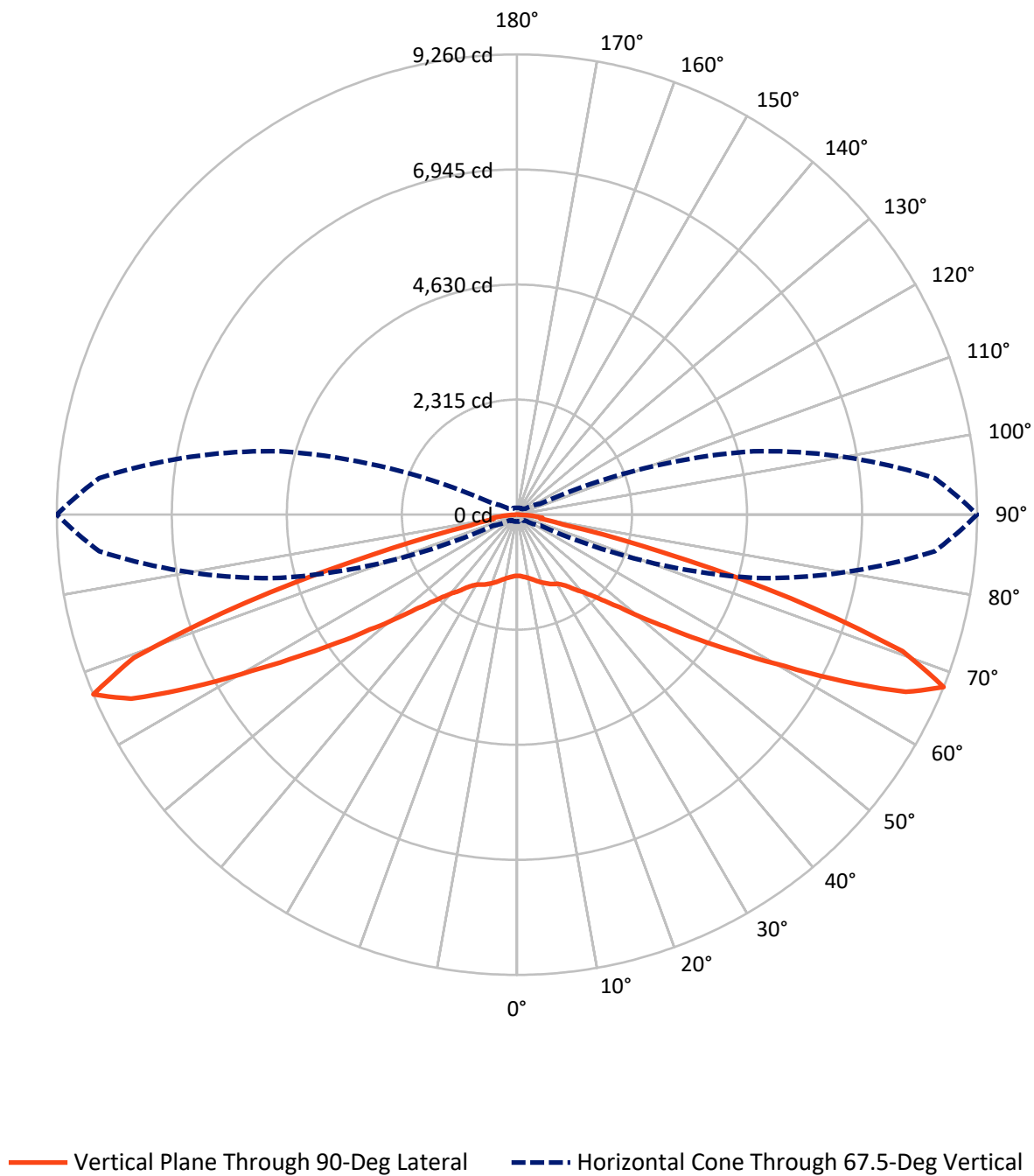
Based on 10 foot mounting height. Maximum calculated value = 12.9 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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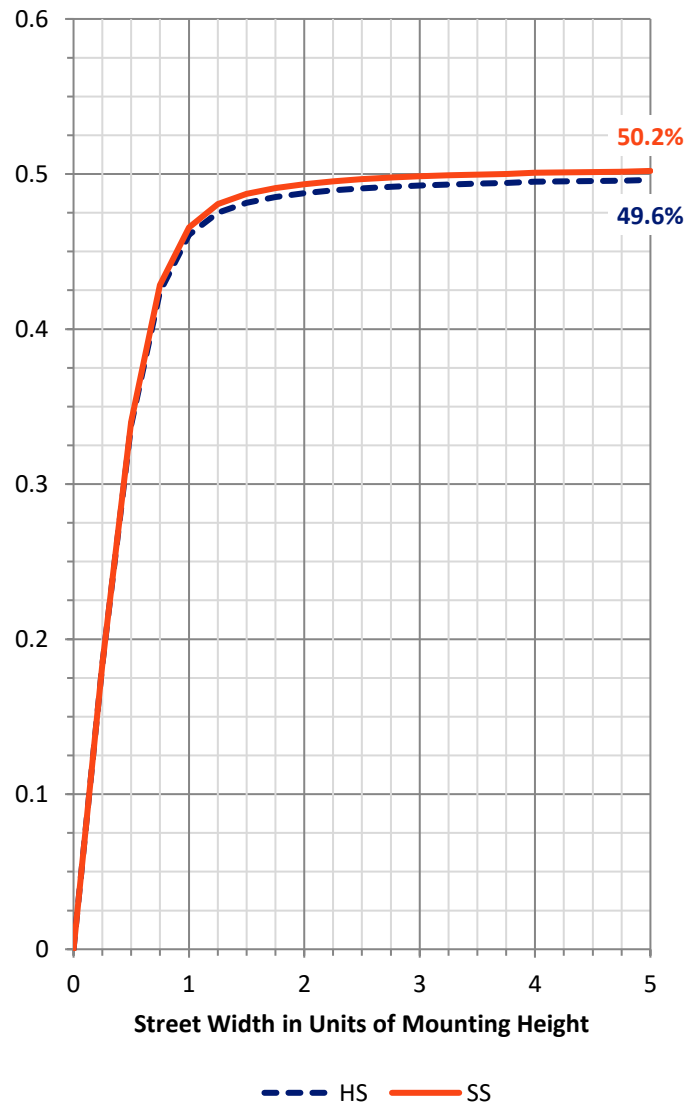
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3481.0	0.0	3481.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3481.0	0.0	3481.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6962.0	0.0	6962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	1.8
10°-20°	393.1	5.6
20°-30°	658.0	9.5
30°-40°	891.5	12.8
40°-50°	1129.2	16.2
50°-60°	1410.6	20.3
60°-70°	1658.1	23.8
70°-80°	634.3	9.1
80°-90°	64.3	0.9
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°	6962.0	100.0
0°-180°	6962.0	100.0

Coefficient of Utilization



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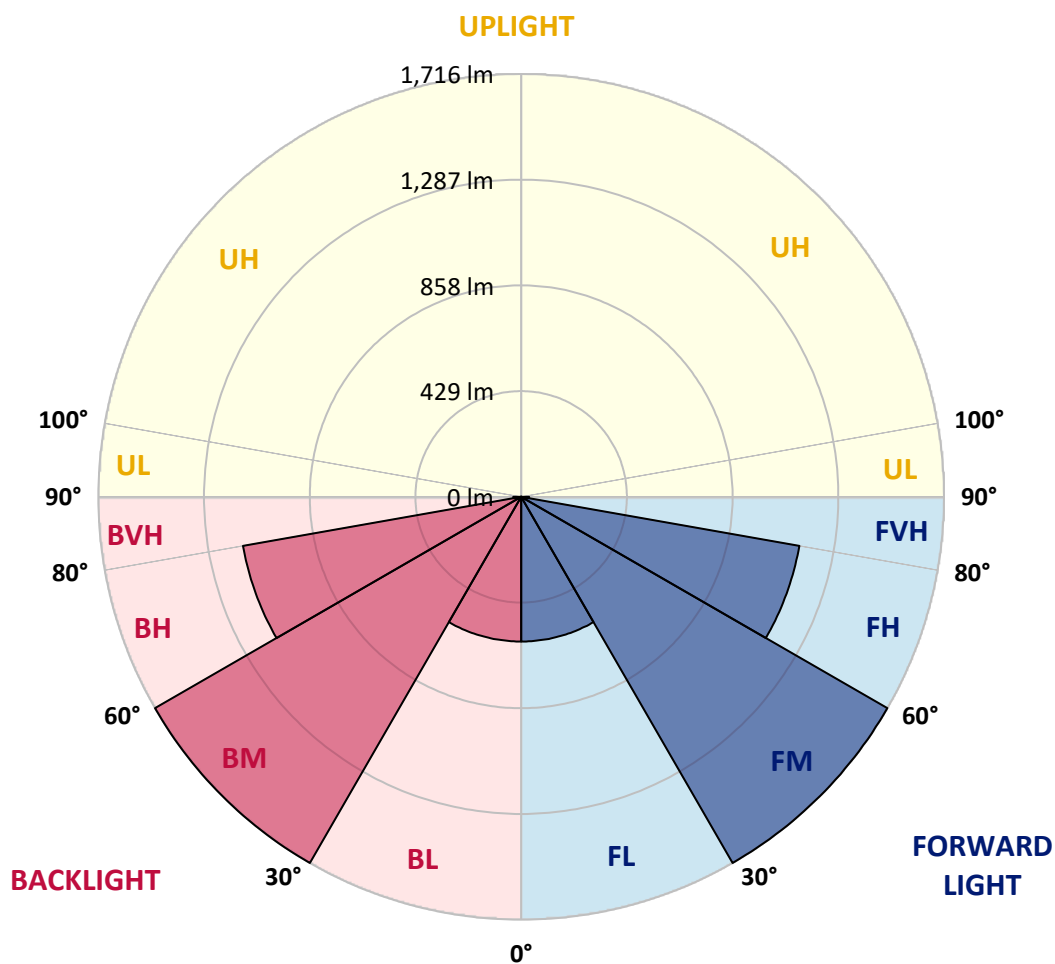
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	587.0	8.4			
FM	(30°-60°)	1715.6	24.6			
FH	(60°-80°)	1146.2	16.5			G1/1800
FVH	(80°-90°)	32.1	0.5			G1/100
BL	(0°-30°)	587.0	8.4	B2/1000		
BM	(30°-60°)	1715.6	24.6	B2/2500		
BH	(60°-80°)	1146.2	16.5	B3/2500		G3/2500
BVH	(80°-90°)	32.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1232.5	1232.5	1232.5	1232.5	1232.5	1232.5	1232.5	1232.5	1232.5	1232.5	1232.5
2.5°	1248.3	1247.5	1247.9	1247.5	1248.7	1247.9	1243.3	1239.4	1236.3	1236.7	1235.6
5°	1274.9	1275.3	1275.7	1273.7	1276.4	1274.9	1267.6	1261.4	1255.2	1252.9	1252.2
7.5°	1296.9	1298.8	1300.0	1301.9	1306.5	1306.5	1302.7	1293.8	1280.3	1272.6	1272.2
10°	1318.8	1320.4	1323.9	1330.0	1337.7	1345.1	1343.5	1331.6	1314.2	1301.1	1298.0
12.5°	1326.6	1328.5	1340.0	1357.8	1375.1	1389.4	1389.4	1379.8	1357.4	1337.4	1331.6
15°	1299.6	1303.0	1323.9	1361.6	1407.1	1438.4	1445.3	1431.8	1407.9	1377.1	1370.1
17.5°	1246.0	1254.5	1284.9	1340.8	1416.4	1481.1	1501.2	1494.6	1463.8	1424.5	1416.4
20°	1188.5	1197.8	1230.2	1304.2	1408.7	1506.2	1564.4	1566.0	1527.8	1470.7	1458.8
22.5°	1125.3	1132.3	1173.9	1260.6	1385.5	1512.0	1618.8	1645.4	1593.7	1517.0	1500.0
25°	1054.4	1062.1	1105.7	1199.3	1342.0	1505.4	1668.5	1727.1	1662.7	1566.3	1544.8
27.5°	986.5	989.6	1036.3	1131.5	1284.5	1488.5	1705.1	1802.3	1739.1	1607.2	1579.8
30°	921.4	928.7	970.0	1064.0	1218.6	1455.3	1736.7	1887.9	1821.2	1650.0	1614.9
32.5°	852.4	861.2	906.0	1001.2	1152.7	1405.6	1756.0	1981.5	1935.7	1719.4	1682.0
35°	786.1	791.8	837.0	929.5	1088.3	1347.8	1759.5	2087.2	2083.3	1824.6	1774.9
37.5°	718.2	726.7	772.2	860.9	1020.1	1286.5	1742.1	2199.4	2261.4	1970.8	1917.2
40°	653.1	660.4	705.1	794.5	942.6	1211.7	1700.9	2301.9	2469.2	2121.1	2045.2
42.5°	582.1	584.1	633.0	724.0	866.6	1124.9	1641.5	2393.3	2700.9	2322.7	2228.3
45°	501.6	506.6	552.1	641.5	779.5	1027.8	1560.9	2468.8	2994.7	2602.2	2473.5
47.5°	421.0	425.2	466.9	555.1	684.3	916.4	1436.8	2535.1	3296.2	2957.3	2788.4
50°	342.3	344.7	378.6	456.8	577.1	799.2	1283.0	2556.3	3636.9	3460.0	3244.5
52.5°	270.6	274.1	299.9	361.2	462.6	660.8	1116.8	2503.9	4034.8	4056.0	3752.2
55°	219.4	220.5	239.8	284.9	361.6	515.8	916.4	2357.8	4462.7	4819.7	4432.3
57.5°	188.9	189.7	200.5	225.5	278.3	389.0	710.9	2081.4	4847.1	5714.5	5216.4
60°	171.6	171.9	178.1	192.8	220.5	298.4	509.3	1691.3	5226.4	6710.3	6191.0
62.5°	160.8	160.8	165.0	173.1	186.6	229.0	368.9	1220.2	5486.3	7720.7	7392.2
65°	150.4	150.4	153.4	159.2	166.5	187.4	272.6	795.7	5479.7	8456.7	8600.4
67.5°	138.4	138.4	140.7	146.5	150.7	161.1	210.5	521.2	4922.3	8440.5	9259.7
70°	124.1	124.1	127.2	132.2	135.7	142.3	166.2	356.6	3616.1	7206.8	8235.0
72.5°	109.9	110.3	112.2	117.2	119.9	123.8	138.0	249.8	2218.3	4907.2	5758.0
75°	94.1	94.8	96.8	101.8	104.1	105.6	116.4	178.1	1122.2	2645.8	3012.4
77.5°	75.9	77.5	78.6	84.0	85.6	87.9	96.0	128.8	492.7	950.7	959.2
80°	55.5	57.4	60.9	65.9	67.1	68.6	73.2	91.4	223.2	434.1	471.5
82.5°	40.9	43.6	39.3	45.9	45.9	43.9	51.7	61.3	102.5	429.8	514.3
85°	22.4	22.7	20.4	23.5	25.1	24.7	27.4	30.1	49.7	286.8	295.7
87.5°	5.4	5.8	6.2	7.3	8.9	8.9	9.6	8.5	16.2	92.9	53.2
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)