

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: STREETWORKS

Report Number: P560239

Luminaire Tested: **SDL-PA1-30-750-U-T4W-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560239  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-30-750-U-T4W-HSS-A  
Description: Springdale  
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2578.7 lumens  
Efficiency: N/A  
Efficacy: 85.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type IV - Medium  
BUG Rating: B0 - U3 - G1

Input Watts (W): 30.1  
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: 24 FT

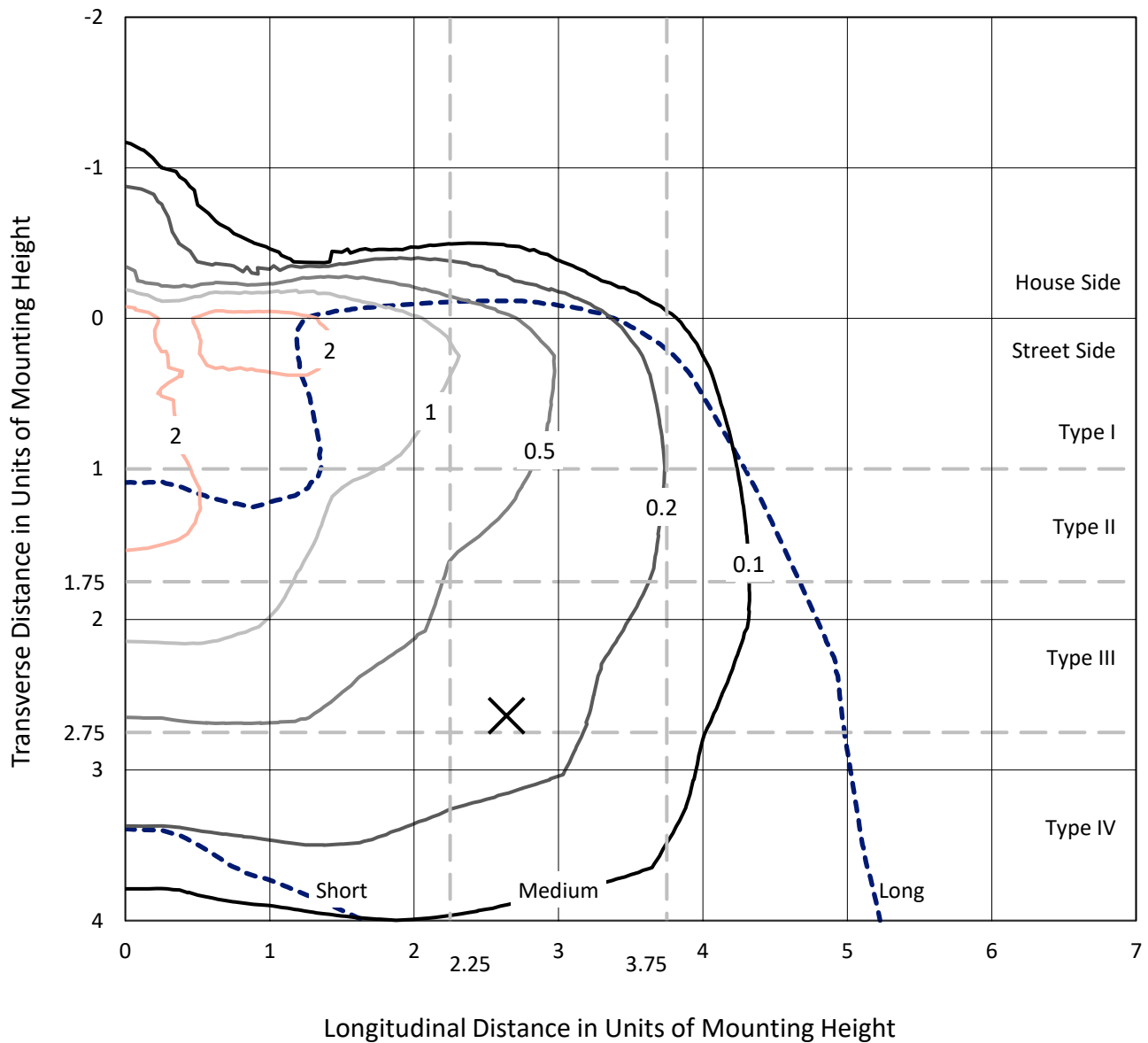


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

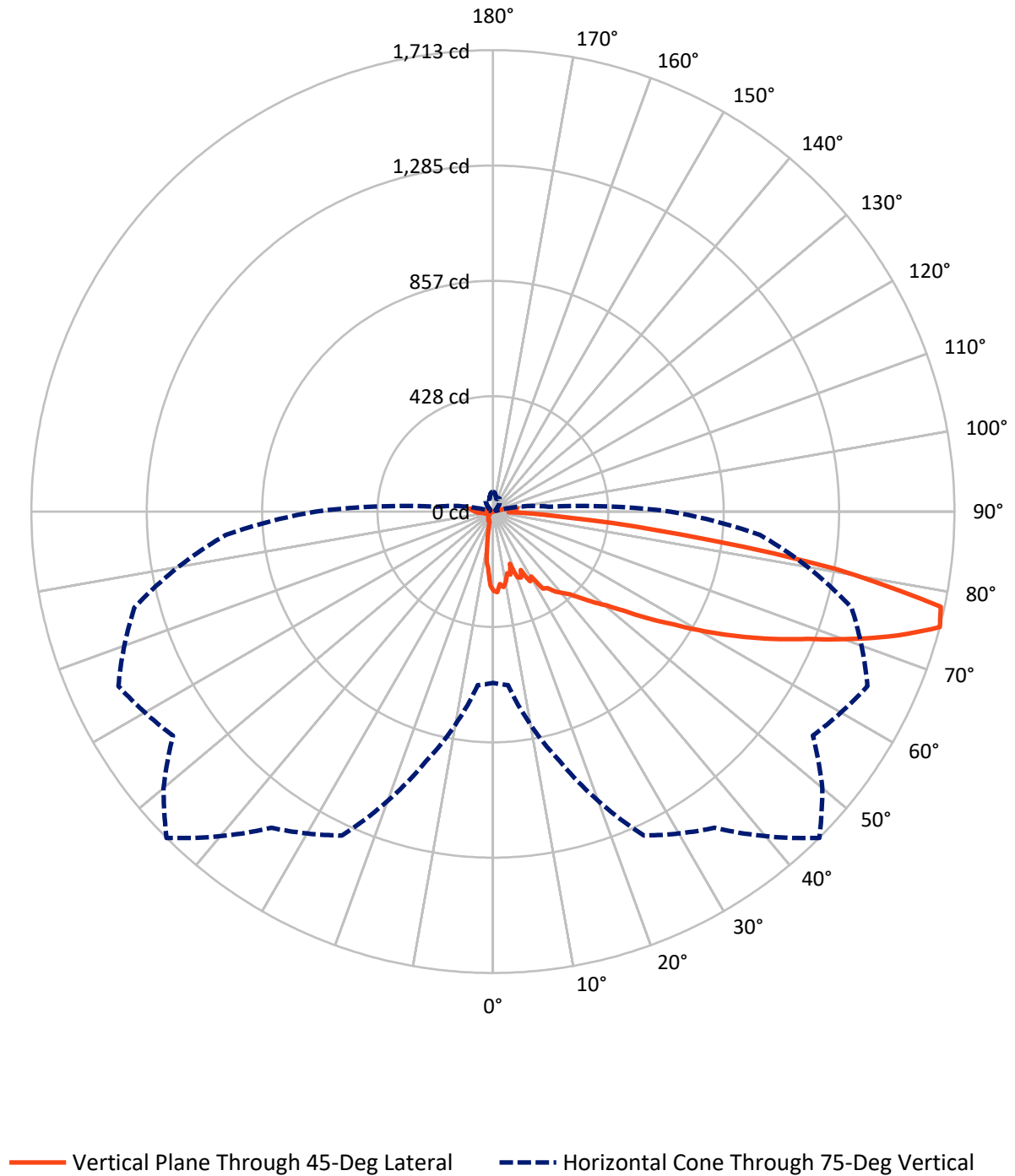


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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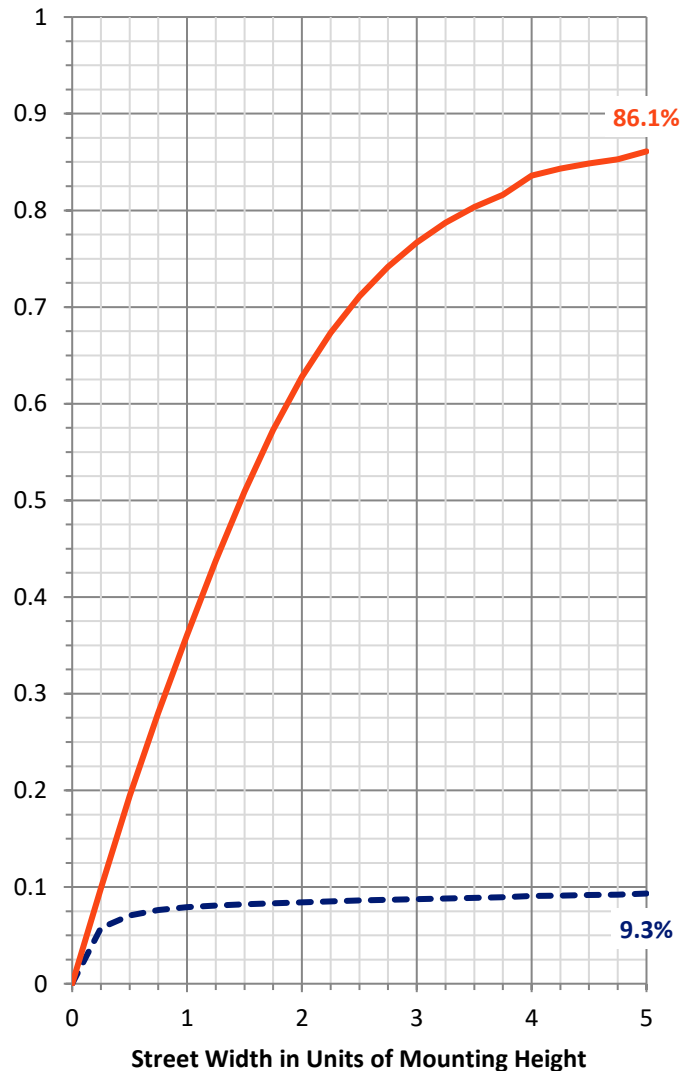
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 264.6    | 46.3   | 310.9  |
|                    | % Fixture | 10.3     | 1.8    | 12.1   |
| <b>Street Side</b> | Lumens    | 2232.0   | 35.8   | 2267.8 |
|                    | % Fixture | 86.6     | 1.4    | 87.9   |
| <b>Total</b>       | Lumens    | 2496.6   | 82.1   | 2578.7 |
|                    | % Fixture | 96.8     | 3.2    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 22.8   | 0.9       |
| 10°-20°   | 49.3   | 1.9       |
| 20°-30°   | 82.8   | 3.2       |
| 30°-40°   | 153.5  | 6.0       |
| 40°-50°   | 258.7  | 10.0      |
| 50°-60°   | 464.3  | 18.0      |
| 60°-70°   | 697.1  | 27.0      |
| 70°-80°   | 637.8  | 24.7      |
| 80°-90°   | 130.4  | 5.1       |
| 90°-100°  | 62.4   | 2.4       |
| 100°-110° | 13.3   | 0.5       |
| 110°-120° | 2.5    | 0.1       |
| 120°-130° | 2.0    | 0.1       |
| 130°-140° | 0.9    | 0.0       |
| 140°-150° | 0.5    | 0.0       |
| 150°-160° | 0.4    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2496.6 | 96.8      |
| 0°-180°   | 2578.7 | 100.0     |



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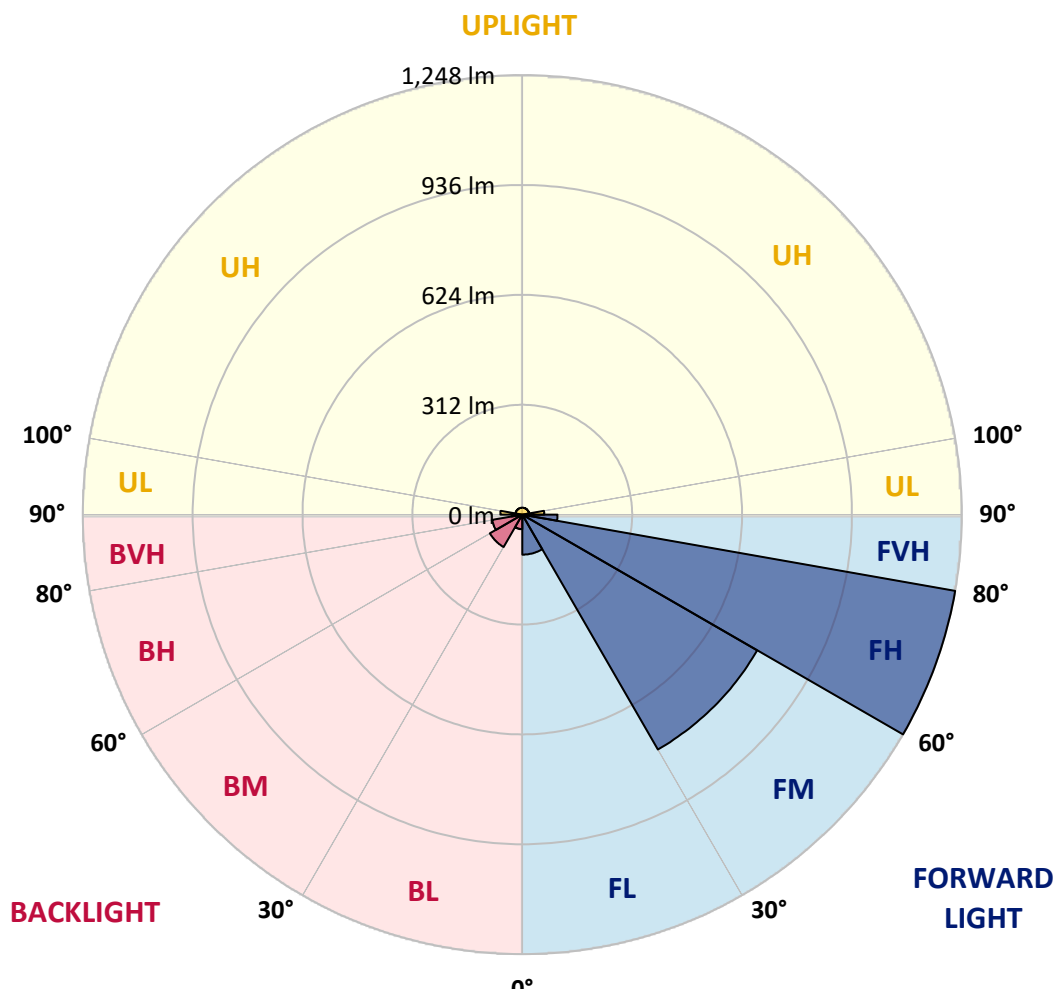
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 113.6  | 4.4       |                         |        |         |
| FM   | (30°-60°)   | 770.2  | 29.9      |                         |        |         |
| FH   | (60°-80°)   | 1248.2 | 48.4      |                         |        | G1/1800 |
| FVH  | (80°-90°)   | 100.0  | 3.9       |                         |        | G1/100  |
| BL   | (0°-30°)    | 41.3   | 1.6       | B0/110                  |        |         |
| BM   | (30°-60°)   | 106.2  | 4.1       | B0/220                  |        |         |
| BH   | (60°-80°)   | 86.7   | 3.4       | B0/110                  |        | G0/110  |
| BVH  | (80°-90°)   | 30.4   | 1.2       |                         |        | G1/100  |
| UL   | (90°-100°)  | 62.4   | 2.4       |                         | U3/500 |         |
| UH   | (100°-180°) | 19.7   | 0.8       |                         | U2/50  |         |

**BUG Rating: B0-U3-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 50°    | 55°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 293.8  | 293.8  | 293.8  | 293.8  | 293.8  | 293.8  | 293.8  | 293.8  | 293.8  | 293.8  | 293.8  |
| 2.5°   | 285.5  | 299.3  | 295.2  | 302.1  | 300.7  | 299.3  | 299.3  | 300.7  | 299.3  | 296.6  | 293.8  |
| 5°     | 291.1  | 286.9  | 284.2  | 282.8  | 277.3  | 270.4  | 267.6  | 264.8  | 293.8  | 293.8  | 288.3  |
| 7.5°   | 299.3  | 299.3  | 293.8  | 289.7  | 289.7  | 282.8  | 275.9  | 270.4  | 256.6  | 252.4  | 252.4  |
| 10°    | 318.6  | 315.9  | 311.7  | 303.5  | 262.1  | 263.5  | 248.3  | 217.9  | 204.2  | 209.7  | 217.9  |
| 12.5°  | 322.8  | 321.4  | 315.9  | 314.5  | 275.9  | 234.5  | 194.5  | 217.9  | 208.3  | 173.8  | 193.1  |
| 15°    | 346.2  | 343.5  | 332.4  | 313.1  | 235.9  | 242.8  | 226.2  | 194.5  | 186.2  | 212.4  | 227.6  |
| 17.5°  | 295.2  | 295.2  | 331.1  | 303.5  | 256.6  | 204.2  | 202.8  | 226.2  | 204.2  | 190.4  | 189.0  |
| 20°    | 362.8  | 362.8  | 347.6  | 248.3  | 263.5  | 260.7  | 209.7  | 237.3  | 200.0  | 226.2  | 241.4  |
| 22.5°  | 302.1  | 300.7  | 311.7  | 307.6  | 252.4  | 266.2  | 215.2  | 216.6  | 238.6  | 204.2  | 175.2  |
| 25°    | 368.3  | 368.3  | 360.0  | 267.6  | 286.9  | 240.0  | 245.5  | 259.3  | 212.4  | 258.0  | 260.7  |
| 27.5°  | 317.3  | 315.9  | 300.7  | 306.2  | 267.6  | 293.8  | 223.5  | 244.2  | 260.7  | 278.6  | 306.2  |
| 30°    | 387.6  | 390.4  | 383.5  | 291.1  | 298.0  | 280.0  | 266.2  | 282.8  | 315.9  | 371.1  | 389.0  |
| 32.5°  | 478.7  | 481.4  | 408.3  | 350.4  | 299.3  | 340.7  | 285.5  | 311.7  | 362.8  | 389.0  | 408.3  |
| 35°    | 532.5  | 511.8  | 480.0  | 391.8  | 322.8  | 349.0  | 328.3  | 332.4  | 378.0  | 419.3  | 433.1  |
| 37.5°  | 578.0  | 550.4  | 513.1  | 404.2  | 340.7  | 376.6  | 342.1  | 347.6  | 409.7  | 446.9  | 464.9  |
| 40°    | 593.2  | 576.6  | 555.9  | 431.8  | 362.8  | 397.3  | 358.6  | 371.1  | 440.0  | 482.8  | 510.4  |
| 42.5°  | 630.4  | 631.8  | 619.4  | 470.4  | 386.2  | 419.3  | 386.2  | 394.5  | 480.0  | 532.5  | 572.5  |
| 45°    | 729.7  | 732.5  | 718.7  | 536.6  | 415.2  | 458.0  | 430.4  | 434.5  | 525.6  | 608.3  | 659.4  |
| 47.5°  | 856.6  | 847.0  | 833.2  | 624.9  | 459.3  | 502.1  | 481.4  | 477.3  | 579.4  | 707.6  | 753.2  |
| 50°    | 984.9  | 967.0  | 938.0  | 746.3  | 535.2  | 547.6  | 533.8  | 531.1  | 644.2  | 809.7  | 859.4  |
| 52.5°  | 1118.7 | 1104.9 | 1044.2 | 860.8  | 648.3  | 613.8  | 598.7  | 613.8  | 728.3  | 922.8  | 968.4  |
| 55°    | 1189.1 | 1175.3 | 1136.6 | 983.5  | 757.3  | 699.4  | 673.2  | 700.7  | 858.0  | 1029.0 | 1088.4 |
| 57.5°  | 1247.0 | 1242.9 | 1224.9 | 1111.8 | 889.7  | 790.4  | 764.2  | 790.4  | 961.5  | 1128.4 | 1198.7 |
| 60°    | 1329.8 | 1313.2 | 1329.8 | 1236.0 | 1018.0 | 902.1  | 866.3  | 893.9  | 1088.4 | 1215.3 | 1320.1 |
| 62.5°  | 1389.1 | 1384.9 | 1418.0 | 1375.3 | 1125.6 | 1019.4 | 967.0  | 993.2  | 1200.1 | 1307.7 | 1440.1 |
| 65°    | 1325.6 | 1346.3 | 1478.7 | 1466.3 | 1247.0 | 1139.4 | 1084.2 | 1075.9 | 1291.1 | 1407.0 | 1568.4 |
| 67.5°  | 1212.5 | 1226.3 | 1419.4 | 1513.2 | 1353.2 | 1260.8 | 1194.6 | 1156.0 | 1375.3 | 1496.7 | 1670.5 |
| 70°    | 1104.9 | 1121.5 | 1298.0 | 1516.0 | 1404.3 | 1416.7 | 1324.2 | 1252.5 | 1459.4 | 1597.4 | 1692.5 |
| 72.5°  | 1019.4 | 1034.6 | 1193.2 | 1482.9 | 1422.2 | 1572.5 | 1466.3 | 1354.6 | 1540.8 | 1600.1 | 1478.7 |
| 75°    | 635.9  | 646.9  | 960.1  | 1327.0 | 1433.2 | 1713.2 | 1596.0 | 1449.8 | 1533.9 | 1378.0 | 994.6  |
| 77.5°  | 195.9  | 200.0  | 411.1  | 875.9  | 1245.6 | 1699.4 | 1573.9 | 1362.9 | 1285.6 | 874.6  | 453.8  |
| 80°    | 67.6   | 69.0   | 106.2  | 311.7  | 744.9  | 1289.8 | 1200.1 | 1002.8 | 768.3  | 322.8  | 171.0  |
| 82.5°  | 31.7   | 34.5   | 49.7   | 104.8  | 303.5  | 704.9  | 709.0  | 595.9  | 322.8  | 143.5  | 115.9  |
| 85°    | 11.0   | 11.0   | 20.7   | 45.5   | 117.3  | 271.7  | 258.0  | 240.0  | 169.7  | 129.7  | 107.6  |
| 87.5°  | 4.1    | 4.1    | 6.9    | 12.4   | 29.0   | 57.9   | 73.1   | 89.7   | 89.7   | 91.0   | 109.0  |
| 90°    | 4.1    | 4.1    | 2.8    | 2.8    | 20.7   | 60.7   | 73.1   | 81.4   | 74.5   | 82.8   | 118.6  |
| 92.5°  | 4.1    | 4.1    | 2.8    | 2.8    | 22.1   | 70.4   | 81.4   | 88.3   | 78.6   | 88.3   | 131.0  |
| 95°    | 4.1    | 4.1    | 2.8    | 2.8    | 24.8   | 85.5   | 95.2   | 93.8   | 78.6   | 92.4   | 140.7  |
| 97.5°  | 5.5    | 5.5    | 2.8    | 1.4    | 22.1   | 91.0   | 102.1  | 99.3   | 67.6   | 70.4   | 110.4  |
| 100°   | 5.5    | 5.5    | 2.8    | 1.4    | 13.8   | 67.6   | 81.4   | 80.0   | 44.1   | 11.0   | 31.7   |
| 102.5° | 5.5    | 5.5    | 2.8    | 1.4    | 2.8    | 31.7   | 38.6   | 40.0   | 26.2   | 4.1    | 5.5    |
| 105°   | 6.9    | 6.9    | 2.8    | 1.4    | 1.4    | 5.5    | 12.4   | 16.6   | 9.7    | 2.8    | 5.5    |
| 107.5° | 6.9    | 6.9    | 2.8    | 1.4    | 1.4    | 2.8    | 2.8    | 4.1    | 4.1    | 2.8    | 6.9    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 50° | 55° | 65° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 5.5 | 5.5 | 1.4 | 2.8 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.8 | 6.9 |
| 115°   | 2.8 | 2.8 | 1.4 | 1.4 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 2.8 | 5.5 |
| 117.5° | 1.4 | 1.4 | 0.0 | 1.4 | 0.0 | 1.4 | 1.4 | 1.4 | 2.8 | 2.8 | 6.9 |
| 120°   | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 4.1 | 8.3 |
| 122.5° | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 4.1 | 8.3 |
| 125°   | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 4.1 | 8.3 |
| 127.5° | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 4.1 | 6.9 |
| 130°   | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 2.8 | 5.5 |
| 132.5° | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 2.8 | 4.1 |
| 135°   | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 2.8 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 147.5° | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 150°   | 4.1 | 4.1 | 2.8 | 1.4 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 152.5° | 2.8 | 2.8 | 4.1 | 1.4 | 0.0 | 0.0 | 1.4 | 1.4 | 2.8 | 1.4 | 1.4 |
| 155°   | 2.8 | 2.8 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 2.8 | 2.8 |
| 157.5° | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 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°     | 293.8  | 293.8 | 293.8 | 293.8 | 293.8 | 293.8 | 293.8 | 293.8 | 293.8 | 293.8 | 293.8 |
| 2.5°   | 291.1  | 289.7 | 285.5 | 282.8 | 278.6 | 274.5 | 253.8 | 241.4 | 240.0 | 238.6 | 240.0 |
| 5°     | 285.5  | 281.4 | 274.5 | 242.8 | 227.6 | 213.8 | 209.7 | 206.9 | 200.0 | 200.0 | 201.4 |
| 7.5°   | 246.9  | 244.2 | 222.1 | 212.4 | 200.0 | 187.6 | 176.6 | 168.3 | 147.6 | 140.7 | 137.9 |
| 10°    | 216.6  | 211.1 | 172.4 | 153.1 | 140.7 | 126.9 | 126.9 | 115.9 | 110.4 | 106.2 | 104.8 |
| 12.5°  | 187.6  | 183.5 | 151.7 | 139.3 | 104.8 | 91.0  | 84.1  | 77.2  | 73.1  | 70.4  | 69.0  |
| 15°    | 219.3  | 212.4 | 162.8 | 111.7 | 77.2  | 64.8  | 51.0  | 49.7  | 62.1  | 64.8  | 66.2  |
| 17.5°  | 175.2  | 179.3 | 144.8 | 97.9  | 63.5  | 40.0  | 44.1  | 52.4  | 59.3  | 59.3  | 57.9  |
| 20°    | 233.1  | 223.5 | 157.3 | 78.6  | 45.5  | 40.0  | 42.8  | 38.6  | 55.2  | 59.3  | 59.3  |
| 22.5°  | 169.7  | 161.4 | 129.7 | 73.1  | 35.9  | 38.6  | 35.9  | 45.5  | 51.0  | 45.5  | 46.9  |
| 25°    | 252.4  | 240.0 | 150.4 | 51.0  | 37.2  | 33.1  | 41.4  | 35.9  | 49.7  | 53.8  | 55.2  |
| 27.5°  | 313.1  | 271.7 | 147.6 | 48.3  | 33.1  | 37.2  | 34.5  | 41.4  | 40.0  | 42.8  | 42.8  |
| 30°    | 373.8  | 350.4 | 166.9 | 44.1  | 33.1  | 31.7  | 35.9  | 35.9  | 45.5  | 49.7  | 49.7  |
| 32.5°  | 400.0  | 372.4 | 146.2 | 42.8  | 33.1  | 31.7  | 31.7  | 38.6  | 42.8  | 51.0  | 51.0  |
| 35°    | 427.6  | 390.4 | 122.8 | 40.0  | 31.7  | 30.3  | 30.3  | 38.6  | 45.5  | 51.0  | 52.4  |
| 37.5°  | 464.9  | 409.7 | 99.3  | 38.6  | 30.3  | 29.0  | 26.2  | 34.5  | 48.3  | 53.8  | 55.2  |
| 40°    | 511.8  | 437.3 | 77.2  | 35.9  | 27.6  | 26.2  | 24.8  | 34.5  | 41.4  | 48.3  | 48.3  |
| 42.5°  | 584.9  | 467.6 | 60.7  | 34.5  | 26.2  | 23.5  | 23.5  | 29.0  | 40.0  | 45.5  | 45.5  |
| 45°    | 659.4  | 503.5 | 51.0  | 33.1  | 24.8  | 22.1  | 22.1  | 29.0  | 30.3  | 38.6  | 38.6  |
| 47.5°  | 742.1  | 539.4 | 46.9  | 31.7  | 24.8  | 19.3  | 19.3  | 26.2  | 26.2  | 35.9  | 37.2  |
| 50°    | 827.7  | 569.7 | 44.1  | 30.3  | 22.1  | 17.9  | 22.1  | 17.9  | 22.1  | 34.5  | 37.2  |
| 52.5°  | 902.1  | 594.5 | 41.4  | 27.6  | 20.7  | 16.6  | 20.7  | 17.9  | 22.1  | 31.7  | 31.7  |
| 55°    | 978.0  | 608.3 | 40.0  | 26.2  | 19.3  | 13.8  | 20.7  | 19.3  | 20.7  | 29.0  | 29.0  |
| 57.5°  | 1045.6 | 612.5 | 38.6  | 26.2  | 16.6  | 12.4  | 19.3  | 23.5  | 17.9  | 23.5  | 26.2  |
| 60°    | 1106.3 | 608.3 | 34.5  | 23.5  | 12.4  | 12.4  | 20.7  | 27.6  | 24.8  | 27.6  | 27.6  |
| 62.5°  | 1162.9 | 593.2 | 27.6  | 19.3  | 9.7   | 12.4  | 26.2  | 30.3  | 23.5  | 29.0  | 31.7  |
| 65°    | 1211.1 | 572.5 | 20.7  | 15.2  | 6.9   | 13.8  | 27.6  | 34.5  | 27.6  | 33.1  | 35.9  |
| 67.5°  | 1233.2 | 544.9 | 16.6  | 12.4  | 6.9   | 15.2  | 29.0  | 38.6  | 31.7  | 37.2  | 40.0  |
| 70°    | 1196.0 | 488.3 | 13.8  | 12.4  | 5.5   | 17.9  | 30.3  | 41.4  | 35.9  | 46.9  | 48.3  |
| 72.5°  | 993.2  | 383.5 | 12.4  | 12.4  | 9.7   | 22.1  | 38.6  | 46.9  | 44.1  | 63.5  | 62.1  |
| 75°    | 658.0  | 209.7 | 12.4  | 11.0  | 12.4  | 26.2  | 46.9  | 55.2  | 48.3  | 71.7  | 71.7  |
| 77.5°  | 303.5  | 92.4  | 11.0  | 12.4  | 13.8  | 29.0  | 53.8  | 66.2  | 55.2  | 81.4  | 80.0  |
| 80°    | 132.4  | 56.6  | 11.0  | 11.0  | 15.2  | 31.7  | 60.7  | 74.5  | 60.7  | 89.7  | 89.7  |
| 82.5°  | 99.3   | 51.0  | 9.7   | 11.0  | 20.7  | 35.9  | 70.4  | 82.8  | 67.6  | 96.6  | 95.2  |
| 85°    | 92.4   | 48.3  | 11.0  | 12.4  | 23.5  | 45.5  | 82.8  | 89.7  | 70.4  | 99.3  | 99.3  |
| 87.5°  | 93.8   | 46.9  | 11.0  | 12.4  | 31.7  | 57.9  | 93.8  | 96.6  | 77.2  | 104.8 | 104.8 |
| 90°    | 96.6   | 48.3  | 12.4  | 13.8  | 35.9  | 63.5  | 104.8 | 103.5 | 86.9  | 110.4 | 110.4 |
| 92.5°  | 103.5  | 48.3  | 13.8  | 15.2  | 38.6  | 70.4  | 114.5 | 106.2 | 93.8  | 114.5 | 111.7 |
| 95°    | 107.6  | 48.3  | 15.2  | 16.6  | 45.5  | 77.2  | 121.4 | 103.5 | 99.3  | 106.2 | 103.5 |
| 97.5°  | 80.0   | 35.9  | 17.9  | 19.3  | 46.9  | 86.9  | 111.7 | 88.3  | 64.8  | 63.5  | 64.8  |
| 100°   | 26.2   | 12.4  | 19.3  | 20.7  | 30.3  | 60.7  | 82.8  | 63.5  | 34.5  | 26.2  | 26.2  |
| 102.5° | 6.9    | 6.9   | 17.9  | 19.3  | 16.6  | 26.2  | 48.3  | 41.4  | 23.5  | 1.4   | 2.8   |
| 105°   | 6.9    | 5.5   | 11.0  | 15.2  | 9.7   | 6.9   | 19.3  | 23.5  | 17.9  | 1.4   | 1.4   |
| 107.5° | 6.9    | 5.5   | 5.5   | 8.3   | 2.8   | 2.8   | 5.5   | 5.5   | 5.5   | 1.4   | 1.4   |



REPORT NUMBER: P560239

CATALOG NUMBER: SDL-PA1-30-750-U-T4W-HSS-A

**CANDELA DISTRIBUTION (continued):**

|        | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 8.3 | 5.5 | 2.8  | 2.8  | 2.8  | 1.4  | 1.4  | 1.4  | 1.4  | 4.1  | 5.5  |
| 115°   | 6.9 | 5.5 | 1.4  | 2.8  | 1.4  | 1.4  | 1.4  | 1.4  | 2.8  | 5.5  | 6.9  |
| 117.5° | 6.9 | 5.5 | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 2.8  | 6.9  | 8.3  |
| 120°   | 8.3 | 6.9 | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 2.8  | 8.3  | 8.3  |
| 122.5° | 8.3 | 6.9 | 1.4  | 1.4  | 1.4  | 1.4  | 0.0  | 1.4  | 4.1  | 8.3  | 8.3  |
| 125°   | 8.3 | 6.9 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 1.4  | 4.1  | 8.3  | 9.7  |
| 127.5° | 6.9 | 5.5 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 1.4  | 2.8  | 6.9  | 8.3  |
| 130°   | 5.5 | 4.1 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 2.8  | 6.9  | 6.9  |
| 132.5° | 4.1 | 2.8 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 2.8  | 5.5  | 5.5  |
| 135°   | 2.8 | 2.8 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 1.4  | 4.1  | 4.1  |
| 137.5° | 1.4 | 1.4 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 1.4  | 1.4  | 1.4  |
| 140°   | 1.4 | 1.4 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 1.4 | 1.4 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 1.4 | 1.4 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 1.4 | 1.4 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 1.4 | 1.4 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 1.4 | 1.4 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 2.8 | 2.8 | 1.4  | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 1.4 | 1.4 | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 1.4 | 1.4 | 1.4  | 1.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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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110° | 6.9 6.9 2.8 2.8 1.4 1.4 1.4 2.8 2.8 6.9





|      |     |     |     |     |     |     |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 6.9 | 5.5 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 1.4 | 1.4 | 2.8 | 2.8 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

(END OF REPORT)