

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: P151333

Luminaire Tested: **TMU-F01-LED-E-U-SL3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P151333
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-F01-LED-E-U-SL3-8030
Description: TALON MEDIUM LED AREA LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2115.4 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

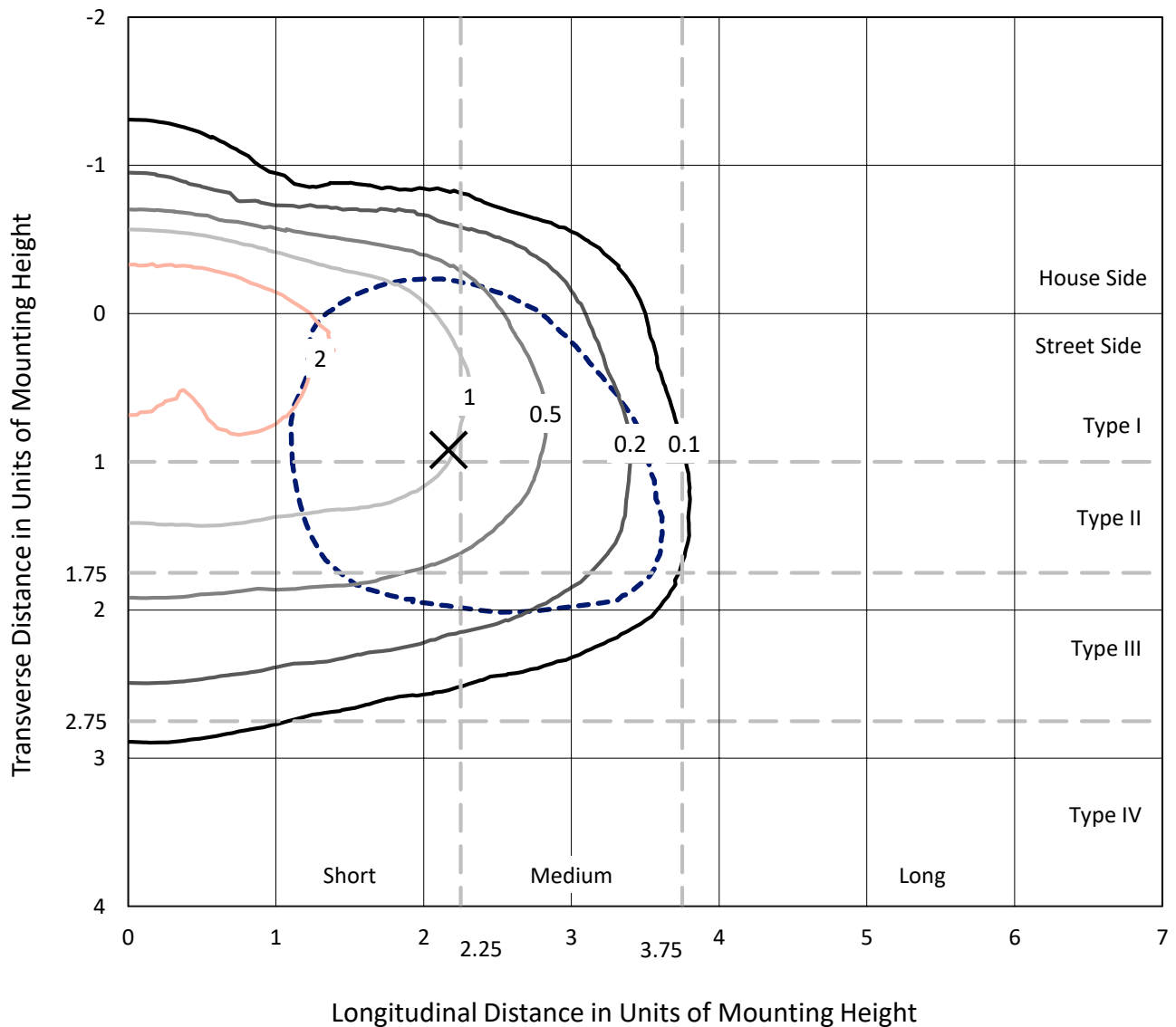
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

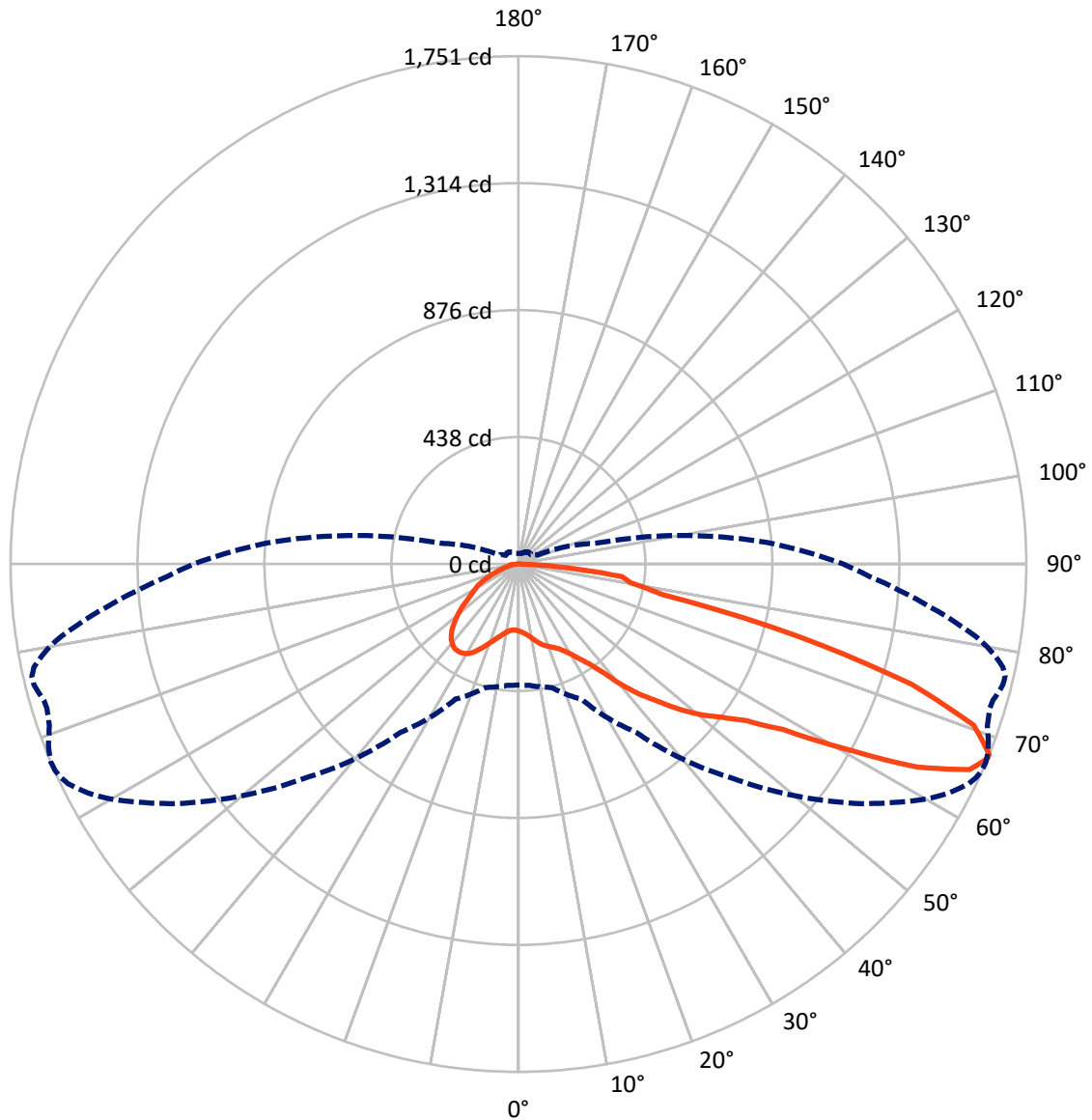
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 488.1 | 0.0 | 488.1 |
| | % Fixture | 23.1 | 0.0 | 23.1 |
| Street Side | Lumens | 1627.2 | 0.0 | 1627.2 |
| | % Fixture | 76.9 | 0.0 | 76.9 |
| Total | Lumens | 2115.4 | 0.0 | 2115.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 23.0 | 1.1 |
| 10°-20° | 78.9 | 3.7 |
| 20°-30° | 139.3 | 6.6 |
| 30°-40° | 199.9 | 9.5 |
| 40°-50° | 303.7 | 14.4 |
| 50°-60° | 447.1 | 21.1 |
| 60°-70° | 594.2 | 28.1 |
| 70°-80° | 290.7 | 13.7 |
| 80°-90° | 38.6 | 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° | 2115.4 | 100.0 |
| 0°-180° | 2115.4 | 100.0 |



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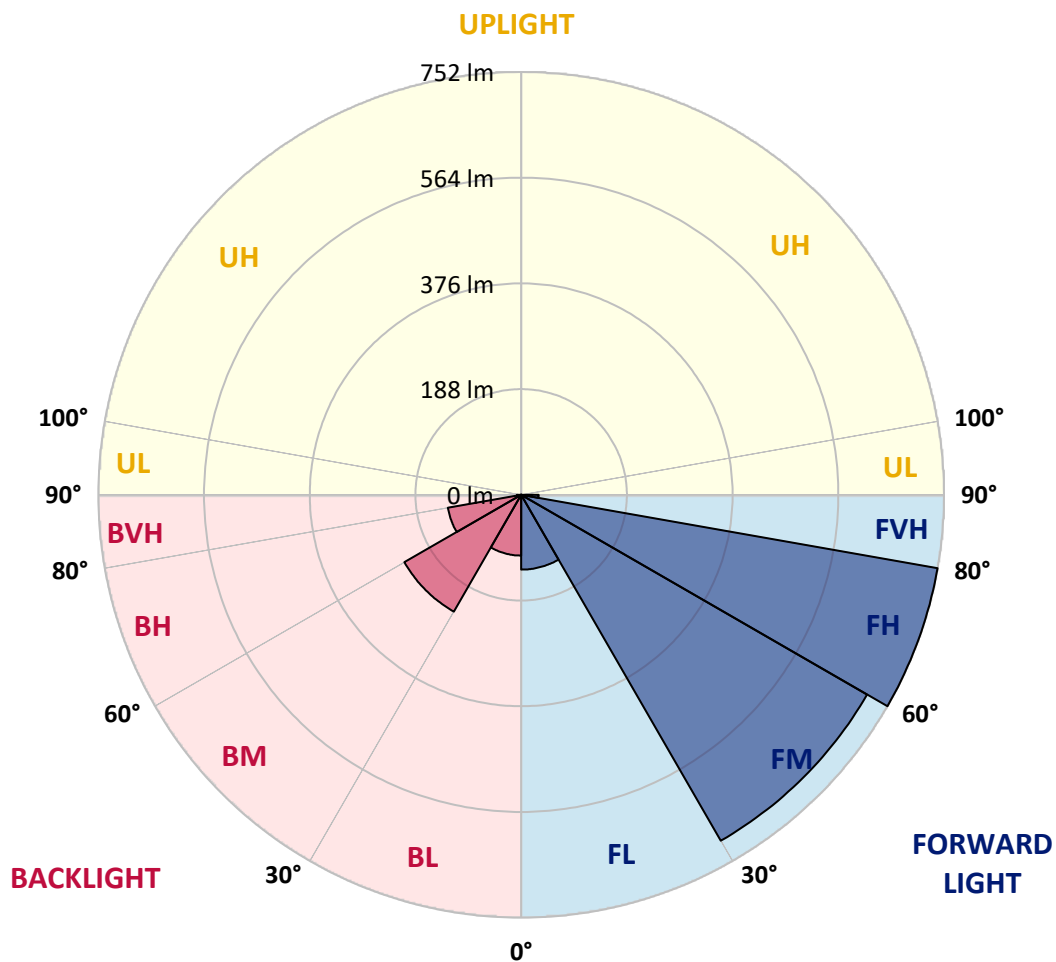
CATALOG NUMBER: TMU-F01-LED-E-U-SL3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 133.1 | 6.3 | | | |
| FM | (30°-60°) | 710.7 | 33.6 | | | |
| FH | (60°-80°) | 752.4 | 35.6 | | | G1/1800 |
| FVH | (80°-90°) | 31.0 | 1.5 | | | G1/100 |
| BL | (0°-30°) | 108.1 | 5.1 | B0/110 | | |
| BM | (30°-60°) | 240.0 | 11.3 | B1/1000 | | |
| BH | (60°-80°) | 132.4 | 6.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 7.6 | 0.4 | | | 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 III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 |
| 2.5° | 242.0 | 242.2 | 241.8 | 241.5 | 240.1 | 238.7 | 237.8 | 236.7 | 236.7 | 236.7 | 236.2 |
| 5° | 255.7 | 254.8 | 255.5 | 253.8 | 251.1 | 248.5 | 245.9 | 243.9 | 243.4 | 243.4 | 242.5 |
| 7.5° | 272.2 | 271.0 | 270.6 | 268.2 | 264.1 | 260.3 | 255.2 | 253.1 | 252.0 | 251.5 | 251.1 |
| 10° | 292.2 | 292.2 | 289.1 | 285.2 | 279.6 | 273.1 | 267.5 | 263.8 | 263.6 | 263.6 | 261.5 |
| 12.5° | 312.6 | 313.1 | 309.1 | 305.2 | 296.1 | 287.5 | 281.0 | 276.8 | 276.6 | 275.7 | 274.5 |
| 15° | 331.4 | 330.3 | 327.7 | 321.9 | 311.9 | 301.7 | 293.6 | 289.4 | 288.4 | 287.5 | 286.8 |
| 17.5° | 347.0 | 345.8 | 342.6 | 335.1 | 324.7 | 312.6 | 302.6 | 298.2 | 297.7 | 297.3 | 296.3 |
| 20° | 356.7 | 355.8 | 351.2 | 342.6 | 331.6 | 319.3 | 308.7 | 305.6 | 304.7 | 304.7 | 304.2 |
| 22.5° | 362.3 | 360.9 | 354.2 | 342.8 | 332.1 | 323.1 | 314.2 | 312.4 | 311.7 | 311.9 | 311.9 |
| 25° | 365.1 | 363.9 | 354.4 | 338.1 | 327.9 | 325.4 | 321.7 | 320.5 | 320.7 | 321.0 | 321.4 |
| 27.5° | 365.6 | 363.9 | 352.8 | 332.1 | 322.6 | 329.8 | 332.3 | 334.2 | 334.2 | 335.1 | 336.8 |
| 30° | 362.1 | 360.2 | 349.5 | 327.5 | 320.3 | 338.6 | 348.8 | 353.7 | 355.6 | 355.1 | 358.8 |
| 32.5° | 356.0 | 354.9 | 346.3 | 327.5 | 326.8 | 356.0 | 374.1 | 381.1 | 382.0 | 382.5 | 386.7 |
| 35° | 353.9 | 353.7 | 350.0 | 338.6 | 347.0 | 386.7 | 414.3 | 419.7 | 420.8 | 420.8 | 423.8 |
| 37.5° | 353.5 | 354.6 | 358.8 | 359.5 | 382.5 | 432.2 | 468.4 | 476.6 | 476.6 | 478.9 | 478.9 |
| 40° | 353.5 | 356.0 | 371.8 | 390.6 | 425.9 | 491.4 | 541.6 | 550.9 | 550.9 | 553.4 | 552.0 |
| 42.5° | 367.2 | 370.9 | 396.9 | 432.7 | 480.7 | 552.5 | 610.1 | 620.6 | 621.3 | 620.6 | 622.6 |
| 45° | 394.1 | 397.4 | 429.0 | 480.3 | 537.2 | 618.0 | 675.6 | 688.1 | 685.6 | 687.2 | 687.9 |
| 47.5° | 429.9 | 435.0 | 471.0 | 532.3 | 592.2 | 678.6 | 749.0 | 760.4 | 759.4 | 760.1 | 757.1 |
| 50° | 468.0 | 473.3 | 513.5 | 583.9 | 647.0 | 727.4 | 808.0 | 824.9 | 823.3 | 824.5 | 826.1 |
| 52.5° | 501.6 | 504.9 | 543.7 | 622.6 | 688.6 | 772.9 | 853.3 | 874.4 | 878.1 | 878.6 | 879.7 |
| 55° | 521.6 | 525.6 | 561.1 | 641.9 | 718.8 | 817.5 | 905.1 | 937.1 | 944.3 | 946.2 | 951.3 |
| 57.5° | 528.6 | 532.8 | 565.1 | 644.7 | 735.3 | 859.3 | 977.3 | 1033.7 | 1039.8 | 1049.7 | 1066.0 |
| 60° | 528.4 | 532.8 | 560.9 | 638.4 | 752.0 | 911.1 | 1089.7 | 1184.2 | 1214.9 | 1225.1 | 1248.3 |
| 62.5° | 506.8 | 511.9 | 540.4 | 619.4 | 773.4 | 977.3 | 1256.9 | 1402.3 | 1441.8 | 1460.4 | 1485.4 |
| 65° | 459.4 | 463.1 | 489.8 | 571.1 | 767.3 | 1042.5 | 1396.7 | 1578.1 | 1614.1 | 1641.3 | 1686.1 |
| 67° | 417.3 | 419.7 | 440.6 | 514.0 | 708.3 | 1044.9 | 1440.8 | 1621.8 | 1653.1 | 1681.9 | 1728.1 |
| 67.5° | 406.7 | 411.5 | 427.8 | 496.5 | 686.3 | 1031.6 | 1437.8 | 1615.0 | 1647.1 | 1677.0 | 1725.8 |
| 70° | 330.9 | 337.9 | 346.0 | 392.3 | 539.5 | 867.9 | 1331.2 | 1498.4 | 1526.5 | 1554.4 | 1622.5 |
| 72.5° | 204.1 | 216.7 | 218.3 | 247.6 | 351.2 | 599.9 | 1077.2 | 1263.6 | 1284.8 | 1304.8 | 1374.4 |
| 75° | 120.3 | 122.2 | 128.0 | 151.7 | 206.0 | 358.6 | 722.7 | 938.7 | 958.2 | 968.0 | 1022.6 |
| 77.5° | 67.1 | 69.0 | 73.9 | 94.3 | 158.4 | 241.5 | 420.8 | 551.6 | 563.4 | 575.7 | 566.9 |
| 80° | 27.9 | 30.4 | 32.7 | 38.1 | 74.1 | 190.7 | 289.4 | 350.7 | 358.4 | 365.6 | 374.6 |
| 82.5° | 13.5 | 14.4 | 17.7 | 20.2 | 26.9 | 78.3 | 226.9 | 304.0 | 313.1 | 323.5 | 344.7 |
| 85° | 6.3 | 7.0 | 9.8 | 11.6 | 13.0 | 19.7 | 75.9 | 147.9 | 160.5 | 162.8 | 167.0 |
| 87.5° | 0.5 | 0.5 | 1.2 | 1.6 | 2.3 | 2.6 | 7.9 | 11.1 | 12.5 | 11.4 | 14.4 |
| 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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CATALOG NUMBER: TMU-F01-LED-E-U-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 |
| 2.5° | 236.0 | 235.7 | 235.3 | 235.3 | 235.0 | 235.0 | 235.0 | 234.6 | 234.6 | 234.6 | 234.3 |
| 5° | 242.2 | 242.0 | 241.3 | 241.3 | 240.8 | 240.8 | 240.1 | 239.9 | 239.4 | 239.4 | 239.2 |
| 7.5° | 250.4 | 250.1 | 249.2 | 249.2 | 248.5 | 248.3 | 247.8 | 247.1 | 247.1 | 246.6 | 246.2 |
| 10° | 261.5 | 260.8 | 260.6 | 259.4 | 259.7 | 259.2 | 258.7 | 258.0 | 257.6 | 257.1 | 256.6 |
| 12.5° | 274.0 | 274.0 | 272.9 | 272.2 | 272.7 | 272.2 | 271.3 | 271.0 | 270.3 | 270.3 | 269.6 |
| 15° | 285.9 | 285.9 | 285.4 | 284.5 | 284.7 | 284.0 | 283.8 | 283.3 | 282.4 | 282.6 | 282.4 |
| 17.5° | 296.1 | 296.1 | 295.4 | 295.0 | 295.0 | 294.3 | 294.5 | 294.0 | 293.6 | 293.3 | 292.6 |
| 20° | 304.2 | 304.2 | 303.8 | 303.3 | 303.5 | 303.5 | 302.8 | 302.8 | 302.8 | 302.4 | 302.4 |
| 22.5° | 312.1 | 312.4 | 312.4 | 312.4 | 312.6 | 312.8 | 312.6 | 313.1 | 312.8 | 313.3 | 313.3 |
| 25° | 322.6 | 323.3 | 323.7 | 323.7 | 324.9 | 325.1 | 325.4 | 326.1 | 326.1 | 326.8 | 327.0 |
| 27.5° | 338.1 | 338.6 | 340.5 | 340.9 | 341.2 | 343.0 | 343.3 | 344.2 | 345.1 | 345.3 | 345.6 |
| 30° | 359.5 | 360.7 | 362.1 | 363.0 | 363.0 | 365.3 | 366.3 | 365.8 | 368.3 | 369.0 | 370.0 |
| 32.5° | 388.1 | 389.0 | 390.4 | 391.3 | 392.3 | 393.4 | 393.7 | 394.8 | 396.9 | 398.8 | 397.6 |
| 35° | 424.1 | 426.4 | 424.1 | 426.6 | 427.3 | 429.0 | 428.5 | 429.9 | 430.8 | 431.5 | 431.3 |
| 37.5° | 476.3 | 475.2 | 474.7 | 473.8 | 472.2 | 477.7 | 474.9 | 474.7 | 473.3 | 477.3 | 474.7 |
| 40° | 545.1 | 545.8 | 546.5 | 542.8 | 540.7 | 540.7 | 540.0 | 537.4 | 536.3 | 539.7 | 539.3 |
| 42.5° | 616.8 | 617.5 | 614.3 | 612.0 | 606.6 | 605.9 | 602.7 | 602.0 | 600.8 | 602.7 | 600.8 |
| 45° | 682.1 | 682.6 | 675.4 | 676.5 | 672.3 | 673.0 | 667.9 | 670.0 | 667.2 | 669.1 | 672.6 |
| 47.5° | 755.0 | 756.0 | 749.7 | 752.2 | 748.1 | 745.5 | 745.3 | 746.7 | 743.6 | 745.5 | 746.4 |
| 50° | 821.2 | 820.1 | 816.8 | 817.5 | 815.6 | 816.1 | 813.3 | 815.9 | 812.4 | 816.1 | 815.6 |
| 52.5° | 880.0 | 878.6 | 877.9 | 880.2 | 878.6 | 878.6 | 877.0 | 878.1 | 878.6 | 884.2 | 885.3 |
| 55° | 951.3 | 952.4 | 953.6 | 957.8 | 959.6 | 956.6 | 959.6 | 965.4 | 965.7 | 978.9 | 986.1 |
| 57.5° | 1065.8 | 1073.9 | 1078.1 | 1080.6 | 1091.6 | 1090.4 | 1097.4 | 1111.3 | 1112.7 | 1143.3 | 1161.2 |
| 60° | 1265.5 | 1279.9 | 1293.6 | 1286.2 | 1308.2 | 1315.0 | 1319.2 | 1345.2 | 1353.3 | 1382.3 | 1397.9 |
| 62.5° | 1517.7 | 1519.3 | 1540.7 | 1534.0 | 1546.5 | 1543.5 | 1548.6 | 1560.5 | 1571.1 | 1595.1 | 1609.7 |
| 65° | 1693.8 | 1701.4 | 1709.8 | 1701.2 | 1701.0 | 1690.7 | 1684.2 | 1684.0 | 1690.5 | 1695.6 | 1711.9 |
| 67° | 1741.6 | 1749.3 | 1751.4 | 1745.1 | 1736.0 | 1723.0 | 1711.0 | 1704.7 | 1700.5 | 1702.8 | 1713.0 |
| 67.5° | 1741.1 | 1748.3 | 1750.9 | 1744.9 | 1732.3 | 1721.4 | 1708.6 | 1701.4 | 1695.9 | 1697.0 | 1705.6 |
| 70° | 1642.2 | 1657.8 | 1666.1 | 1668.0 | 1666.4 | 1647.3 | 1636.4 | 1629.9 | 1625.3 | 1613.9 | 1613.2 |
| 72.5° | 1391.4 | 1410.2 | 1416.7 | 1427.1 | 1431.8 | 1403.7 | 1391.8 | 1399.0 | 1382.8 | 1346.8 | 1348.4 |
| 75° | 1021.6 | 1023.0 | 1001.2 | 997.0 | 981.5 | 917.8 | 898.8 | 881.4 | 853.5 | 810.1 | 769.2 |
| 77.5° | 532.5 | 532.3 | 507.2 | 494.4 | 475.9 | 437.5 | 435.7 | 404.6 | 382.7 | 343.0 | 328.6 |
| 80° | 378.3 | 384.4 | 392.7 | 396.9 | 390.4 | 375.5 | 355.1 | 333.0 | 307.7 | 282.9 | 253.1 |
| 82.5° | 351.9 | 355.6 | 360.0 | 343.7 | 334.7 | 313.8 | 298.2 | 266.2 | 248.3 | 219.9 | 190.0 |
| 85° | 171.2 | 182.5 | 173.7 | 163.5 | 160.0 | 125.2 | 121.0 | 101.0 | 91.7 | 75.5 | 70.4 |
| 87.5° | 10.9 | 13.5 | 12.1 | 10.9 | 9.5 | 5.3 | 7.2 | 5.1 | 5.3 | 3.9 | 3.5 |
| 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):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 |
| 2.5° | 234.3 | 234.1 | 233.9 | 233.6 | 233.4 | 233.4 | 233.2 | 232.9 | 232.7 | 232.2 | 232.2 |
| 5° | 238.7 | 238.7 | 238.5 | 238.1 | 238.1 | 237.6 | 236.9 | 236.7 | 236.7 | 236.2 | 235.7 |
| 7.5° | 245.9 | 245.7 | 245.3 | 245.0 | 244.6 | 244.1 | 243.6 | 243.2 | 242.9 | 242.2 | 242.0 |
| 10° | 256.9 | 256.4 | 255.2 | 254.8 | 254.5 | 254.1 | 253.6 | 253.1 | 252.5 | 252.0 | 251.8 |
| 12.5° | 269.2 | 268.9 | 268.0 | 268.5 | 267.3 | 266.8 | 266.4 | 265.2 | 265.7 | 264.8 | 264.3 |
| 15° | 281.5 | 281.7 | 281.2 | 281.2 | 280.3 | 279.6 | 279.2 | 278.2 | 278.0 | 277.5 | 277.1 |
| 17.5° | 292.4 | 292.9 | 292.2 | 291.7 | 291.2 | 290.8 | 289.8 | 288.9 | 288.9 | 288.0 | 287.5 |
| 20° | 302.4 | 302.8 | 302.6 | 302.2 | 301.5 | 301.2 | 300.8 | 300.1 | 300.1 | 299.6 | 298.9 |
| 22.5° | 313.8 | 314.0 | 314.0 | 313.8 | 313.1 | 313.3 | 312.8 | 312.1 | 312.4 | 311.4 | 311.4 |
| 25° | 327.5 | 327.9 | 328.4 | 328.6 | 328.2 | 328.4 | 327.9 | 327.5 | 327.2 | 327.5 | 327.2 |
| 27.5° | 346.3 | 346.7 | 348.1 | 347.0 | 348.1 | 348.4 | 347.7 | 346.7 | 347.4 | 348.6 | 347.9 |
| 30° | 371.1 | 370.7 | 372.5 | 372.8 | 372.5 | 372.8 | 372.3 | 371.6 | 372.1 | 374.1 | 373.0 |
| 32.5° | 399.0 | 399.9 | 400.4 | 400.9 | 401.6 | 402.5 | 401.8 | 401.1 | 402.2 | 401.6 | 403.2 |
| 35° | 432.7 | 434.8 | 435.5 | 434.8 | 435.2 | 436.9 | 436.6 | 436.9 | 439.2 | 436.9 | 439.9 |
| 37.5° | 475.2 | 477.3 | 478.9 | 478.0 | 479.1 | 479.1 | 481.0 | 486.1 | 482.8 | 487.0 | 490.3 |
| 40° | 537.0 | 540.2 | 540.4 | 540.2 | 541.4 | 542.8 | 544.6 | 550.2 | 546.5 | 550.9 | 553.9 |
| 42.5° | 600.6 | 604.5 | 605.9 | 603.6 | 606.2 | 609.2 | 609.4 | 614.3 | 614.5 | 615.2 | 616.8 |
| 45° | 672.3 | 675.8 | 678.6 | 677.5 | 677.7 | 681.6 | 680.7 | 685.4 | 681.9 | 681.9 | 682.8 |
| 47.5° | 748.8 | 752.0 | 753.9 | 755.7 | 753.4 | 756.9 | 758.5 | 757.6 | 753.4 | 752.5 | 746.9 |
| 50° | 818.4 | 821.2 | 824.0 | 829.1 | 828.9 | 830.5 | 831.7 | 827.5 | 826.6 | 821.5 | 815.2 |
| 52.5° | 892.3 | 899.5 | 905.8 | 916.4 | 918.1 | 923.6 | 921.5 | 914.6 | 913.4 | 905.1 | 896.7 |
| 55° | 995.2 | 1015.8 | 1024.9 | 1041.4 | 1052.5 | 1052.3 | 1047.7 | 1046.5 | 1037.7 | 1020.9 | 1011.0 |
| 57.5° | 1174.2 | 1206.5 | 1222.1 | 1243.4 | 1246.9 | 1244.8 | 1238.8 | 1228.1 | 1212.8 | 1184.7 | 1166.6 |
| 60° | 1432.7 | 1452.7 | 1470.8 | 1475.9 | 1478.5 | 1474.5 | 1453.4 | 1429.7 | 1399.7 | 1361.0 | 1328.7 |
| 62.5° | 1628.0 | 1648.5 | 1661.9 | 1659.9 | 1643.8 | 1623.6 | 1592.7 | 1553.0 | 1511.0 | 1467.6 | 1419.3 |
| 65° | 1727.4 | 1736.0 | 1733.9 | 1717.7 | 1690.3 | 1655.0 | 1609.9 | 1560.9 | 1511.5 | 1460.1 | 1410.0 |
| 67° | 1722.1 | 1722.3 | 1708.2 | 1676.6 | 1641.5 | 1597.2 | 1542.1 | 1488.7 | 1430.6 | 1376.7 | 1317.1 |
| 67.5° | 1712.6 | 1711.6 | 1691.9 | 1657.3 | 1619.4 | 1573.7 | 1516.6 | 1461.3 | 1401.1 | 1346.8 | 1285.0 |
| 70° | 1604.8 | 1591.8 | 1547.2 | 1491.9 | 1439.2 | 1377.4 | 1317.5 | 1254.1 | 1186.3 | 1139.6 | 1068.6 |
| 72.5° | 1318.7 | 1274.8 | 1197.9 | 1140.1 | 1083.7 | 1002.8 | 965.4 | 886.7 | 839.1 | 809.4 | 755.7 |
| 75° | 763.6 | 726.9 | 667.5 | 613.4 | 586.0 | 538.1 | 515.4 | 457.5 | 445.4 | 445.0 | 426.4 |
| 77.5° | 291.5 | 254.3 | 216.0 | 174.0 | 147.9 | 117.5 | 103.6 | 92.7 | 84.3 | 90.1 | 81.8 |
| 80° | 218.5 | 179.8 | 140.5 | 102.2 | 72.9 | 53.9 | 46.2 | 42.7 | 40.6 | 39.0 | 37.9 |
| 82.5° | 162.8 | 128.4 | 99.6 | 65.0 | 45.5 | 34.4 | 29.7 | 27.9 | 26.9 | 25.3 | 23.9 |
| 85° | 55.0 | 44.1 | 34.8 | 24.2 | 19.0 | 15.6 | 14.4 | 13.9 | 13.2 | 12.1 | 11.4 |
| 87.5° | 3.0 | 2.8 | 3.0 | 2.3 | 2.8 | 2.3 | 2.6 | 2.6 | 2.6 | 2.3 | 2.3 |
| 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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CATALOG NUMBER: TMU-F01-LED-E-U-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 | 231.1 |
| 2.5° | 232.0 | 232.0 | 232.0 | 231.5 | 230.9 | 229.5 | 228.1 | 226.9 | 225.7 | 225.0 | 224.6 |
| 5° | 235.5 | 235.0 | 234.8 | 234.6 | 232.9 | 230.2 | 227.6 | 225.3 | 223.0 | 221.1 | 220.4 |
| 7.5° | 241.8 | 240.8 | 240.6 | 239.9 | 237.8 | 233.6 | 229.9 | 226.2 | 223.0 | 220.4 | 219.2 |
| 10° | 251.3 | 251.3 | 249.9 | 249.0 | 246.6 | 241.1 | 235.7 | 230.9 | 226.4 | 223.7 | 223.0 |
| 12.5° | 263.4 | 263.4 | 262.2 | 261.5 | 258.7 | 251.5 | 245.0 | 239.2 | 235.0 | 232.2 | 232.0 |
| 15° | 275.9 | 275.7 | 274.7 | 273.8 | 270.8 | 263.1 | 256.6 | 251.5 | 248.0 | 244.8 | 243.9 |
| 17.5° | 287.1 | 287.1 | 285.9 | 285.0 | 281.9 | 275.4 | 269.6 | 265.9 | 262.0 | 255.2 | 250.1 |
| 20° | 298.2 | 298.4 | 297.5 | 296.6 | 294.0 | 288.4 | 285.9 | 282.2 | 273.4 | 258.7 | 246.6 |
| 22.5° | 310.5 | 311.4 | 310.3 | 309.4 | 307.3 | 304.9 | 304.0 | 295.2 | 276.6 | 253.1 | 235.5 |
| 25° | 326.3 | 327.9 | 326.5 | 326.1 | 324.9 | 325.6 | 322.8 | 302.4 | 272.0 | 241.1 | 219.0 |
| 27.5° | 347.9 | 347.9 | 348.1 | 348.1 | 347.7 | 350.2 | 340.0 | 302.6 | 261.7 | 225.5 | 199.3 |
| 30° | 373.2 | 374.6 | 374.1 | 374.1 | 376.0 | 377.6 | 349.5 | 297.5 | 248.7 | 206.2 | 175.1 |
| 32.5° | 403.6 | 404.8 | 405.3 | 403.2 | 410.6 | 402.2 | 353.0 | 288.2 | 232.7 | 182.3 | 146.3 |
| 35° | 440.3 | 442.0 | 443.1 | 443.4 | 448.2 | 423.6 | 351.2 | 274.5 | 209.7 | 152.4 | 114.7 |
| 37.5° | 488.2 | 491.4 | 494.0 | 495.1 | 495.4 | 441.7 | 346.0 | 256.4 | 179.8 | 118.9 | 85.5 |
| 40° | 551.8 | 555.3 | 554.6 | 556.9 | 543.7 | 452.4 | 334.4 | 230.2 | 142.6 | 87.3 | 66.0 |
| 42.5° | 613.1 | 613.6 | 614.5 | 612.4 | 585.5 | 458.0 | 318.2 | 198.1 | 106.8 | 65.3 | 56.4 |
| 45° | 681.6 | 677.7 | 673.3 | 670.0 | 624.0 | 460.1 | 295.9 | 159.1 | 75.5 | 54.8 | 52.3 |
| 47.5° | 746.0 | 740.6 | 731.6 | 722.3 | 658.4 | 456.8 | 267.3 | 119.1 | 57.4 | 50.2 | 49.5 |
| 50° | 809.1 | 799.2 | 786.4 | 775.7 | 691.4 | 451.9 | 235.7 | 85.9 | 50.2 | 47.8 | 47.1 |
| 52.5° | 887.4 | 870.7 | 854.0 | 840.0 | 734.4 | 444.3 | 202.5 | 65.3 | 47.1 | 46.0 | 45.1 |
| 55° | 994.7 | 971.5 | 944.5 | 925.0 | 792.7 | 432.7 | 167.7 | 55.3 | 45.8 | 44.8 | 43.4 |
| 57.5° | 1143.3 | 1108.5 | 1078.1 | 1046.3 | 872.3 | 420.8 | 137.7 | 51.3 | 45.5 | 44.1 | 42.3 |
| 60° | 1295.2 | 1253.4 | 1214.6 | 1169.1 | 953.6 | 409.0 | 116.8 | 50.9 | 46.2 | 44.1 | 41.3 |
| 62.5° | 1374.2 | 1331.0 | 1284.3 | 1238.1 | 988.7 | 381.1 | 102.4 | 51.6 | 47.8 | 44.8 | 41.3 |
| 65° | 1356.1 | 1303.4 | 1256.0 | 1208.8 | 948.0 | 328.4 | 86.6 | 52.5 | 51.1 | 47.6 | 42.0 |
| 67° | 1265.0 | 1210.0 | 1164.5 | 1119.4 | 857.4 | 275.0 | 74.3 | 53.4 | 54.6 | 50.9 | 43.4 |
| 67.5° | 1233.0 | 1177.9 | 1133.1 | 1089.2 | 830.7 | 263.8 | 71.3 | 53.9 | 55.3 | 51.8 | 43.9 |
| 70° | 1022.3 | 981.9 | 934.3 | 900.4 | 672.6 | 195.3 | 58.5 | 54.8 | 59.5 | 57.1 | 46.0 |
| 72.5° | 735.8 | 697.2 | 661.4 | 642.6 | 495.4 | 136.6 | 49.2 | 53.9 | 62.0 | 60.2 | 46.9 |
| 75° | 391.1 | 388.8 | 375.8 | 385.1 | 306.6 | 89.2 | 43.4 | 50.4 | 59.2 | 55.0 | 43.7 |
| 77.5° | 79.0 | 81.3 | 95.5 | 94.1 | 98.9 | 49.7 | 37.2 | 43.2 | 45.8 | 40.4 | 35.5 |
| 80° | 36.7 | 36.0 | 35.3 | 35.8 | 35.1 | 31.8 | 30.2 | 33.9 | 31.8 | 26.0 | 23.7 |
| 82.5° | 22.8 | 22.3 | 21.6 | 21.4 | 23.7 | 25.3 | 26.5 | 26.7 | 21.1 | 18.1 | 17.4 |
| 85° | 10.9 | 10.9 | 10.7 | 11.1 | 13.9 | 20.7 | 22.3 | 19.7 | 14.2 | 13.0 | 12.3 |
| 87.5° | 2.1 | 2.1 | 2.3 | 2.1 | 2.8 | 4.9 | 5.6 | 6.5 | 5.3 | 5.6 | 6.3 |
| 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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CATALOG NUMBER: TMU-F01-LED-E-U-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|-------|-------|-------|
| 0° | 231.1 | 231.1 | 231.1 |
| 2.5° | 224.1 | 223.7 | 223.7 |
| 5° | 219.5 | 219.2 | 219.2 |
| 7.5° | 218.3 | 218.5 | 218.3 |
| 10° | 222.7 | 222.5 | 223.4 |
| 12.5° | 232.5 | 233.2 | 232.9 |
| 15° | 242.7 | 243.2 | 243.2 |
| 17.5° | 245.7 | 244.1 | 243.9 |
| 20° | 237.8 | 234.8 | 234.1 |
| 22.5° | 223.0 | 217.4 | 217.6 |
| 25° | 204.1 | 197.4 | 197.9 |
| 27.5° | 182.3 | 175.1 | 174.9 |
| 30° | 156.1 | 148.2 | 144.2 |
| 32.5° | 124.5 | 115.0 | 115.0 |
| 35° | 93.6 | 85.9 | 83.1 |
| 37.5° | 71.1 | 66.7 | 65.3 |
| 40° | 59.2 | 57.1 | 56.7 |
| 42.5° | 53.9 | 53.2 | 53.0 |
| 45° | 51.1 | 50.6 | 50.4 |
| 47.5° | 48.5 | 48.3 | 48.1 |
| 50° | 46.7 | 46.4 | 46.2 |
| 52.5° | 45.1 | 44.6 | 44.4 |
| 55° | 42.7 | 42.7 | 42.7 |
| 57.5° | 41.3 | 41.3 | 41.1 |
| 60° | 39.9 | 39.7 | 39.7 |
| 62.5° | 38.8 | 38.3 | 38.6 |
| 65° | 38.1 | 37.4 | 37.4 |
| 67° | 37.6 | 36.2 | 36.2 |
| 67.5° | 37.6 | 35.8 | 35.8 |
| 70° | 36.9 | 33.9 | 33.4 |
| 72.5° | 36.2 | 31.8 | 31.1 |
| 75° | 34.4 | 30.2 | 29.5 |
| 77.5° | 29.5 | 26.9 | 26.5 |
| 80° | 22.8 | 19.7 | 20.2 |
| 82.5° | 16.5 | 14.2 | 13.9 |
| 85° | 11.8 | 10.2 | 10.2 |
| 87.5° | 6.3 | 5.3 | 5.6 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)