

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: P155691

Luminaire Tested: **TMU-E01-LED-E-U-T3-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155691
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-E01-LED-E-U-T3-7050
Description: TALON MEDIUM LED AREA LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3164.4 lumens
Efficiency: N/A
Efficacy: 128.1 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

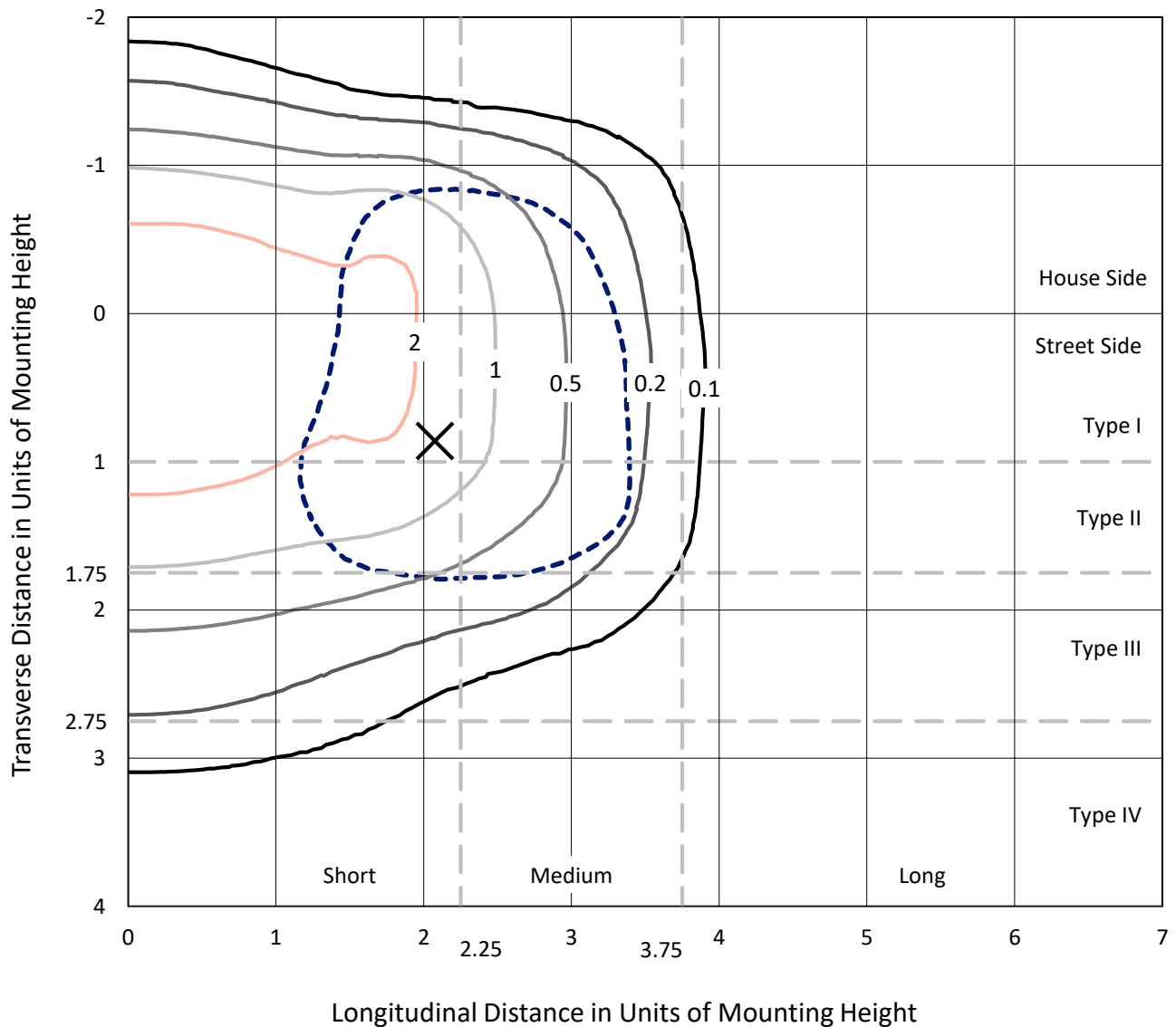
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

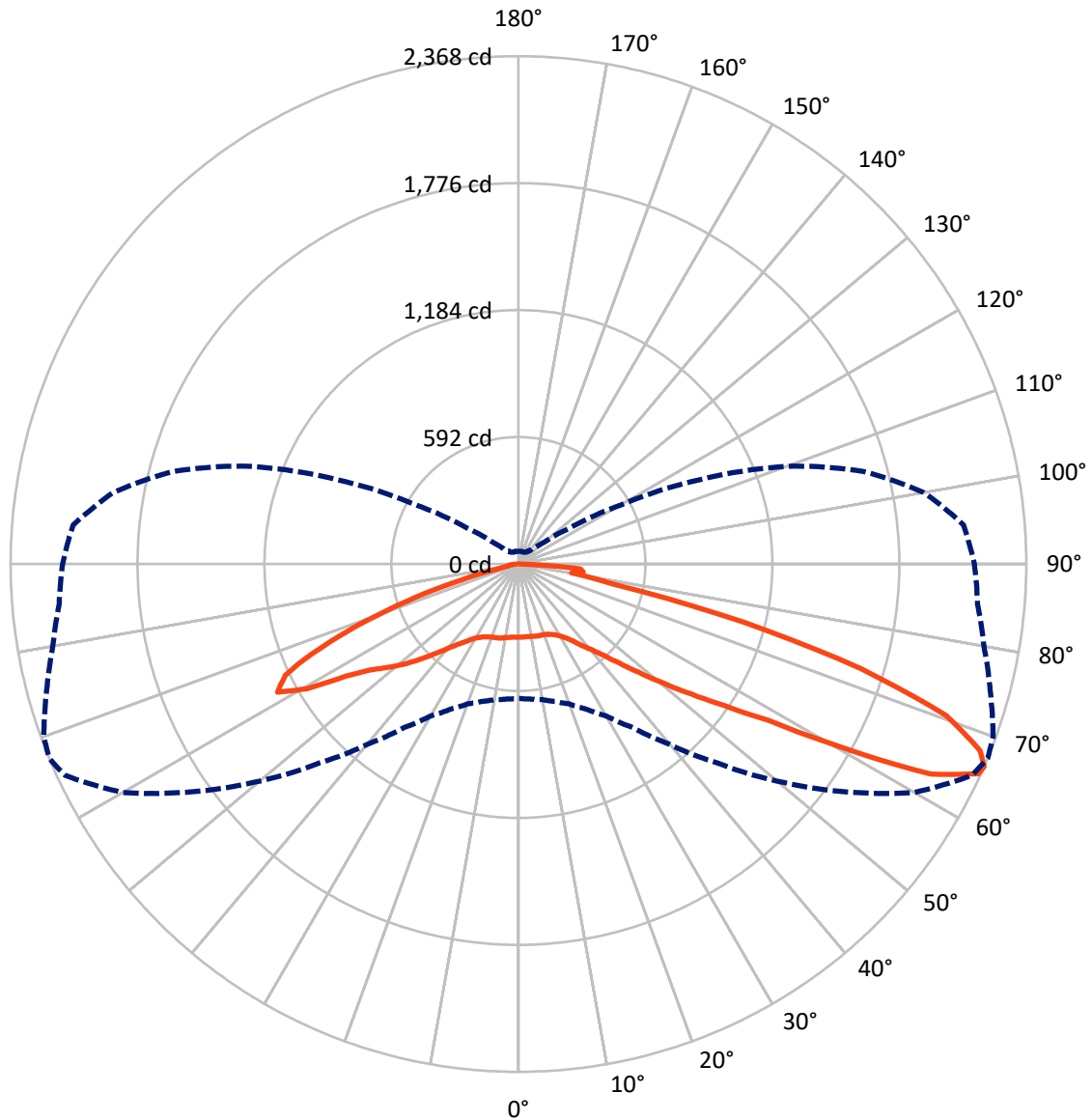
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1092.8 | 0.0 | 1092.8 |
| | % Fixture | 34.5 | 0.0 | 34.5 |
| Street Side | Lumens | 2071.7 | 0.0 | 2071.7 |
| | % Fixture | 65.5 | 0.0 | 65.5 |
| Total | Lumens | 3164.4 | 0.0 | 3164.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.7 | 1.0 |
| 10°-20° | 96.4 | 3.0 |
| 20°-30° | 165.7 | 5.2 |
| 30°-40° | 269.0 | 8.5 |
| 40°-50° | 449.1 | 14.2 |
| 50°-60° | 707.2 | 22.3 |
| 60°-70° | 964.3 | 30.5 |
| 70°-80° | 417.4 | 13.2 |
| 80°-90° | 62.8 | 2.0 |
| 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° | 3164.4 | 100.0 |
| 0°-180° | 3164.4 | 100.0 |



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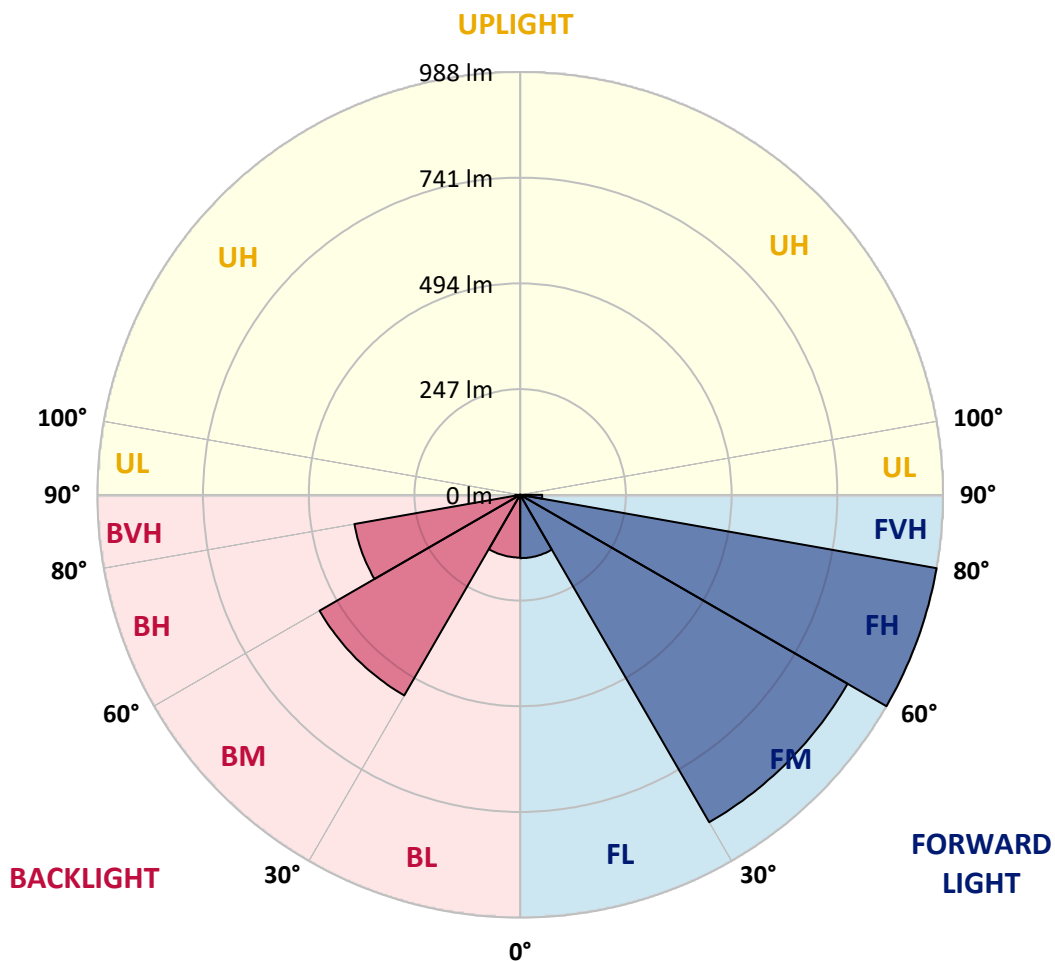
CATALOG NUMBER: TMU-E01-LED-E-U-T3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 148.0 | 4.7 | | | |
| FM | (30°-60°) | 883.7 | 27.9 | | | |
| FH | (60°-80°) | 988.4 | 31.2 | | | G1/1800 |
| FVH | (80°-90°) | 51.5 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 146.7 | 4.6 | B1/500 | | |
| BM | (30°-60°) | 541.5 | 17.1 | B1/1000 | | |
| BH | (60°-80°) | 393.3 | 12.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 11.2 | 0.4 | | | G1/100 |
| 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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CATALOG NUMBER: TMU-E01-LED-E-U-T3-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0° | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 |
| 2.5° | 342.4 | 343.7 | 342.4 | 342.7 | 343.1 | 342.7 | 342.4 | 342.4 | 341.4 | 342.0 | 342.7 |
| 5° | 341.0 | 342.0 | 341.7 | 342.0 | 342.4 | 342.0 | 341.7 | 342.0 | 341.4 | 341.7 | 342.7 |
| 7.5° | 339.3 | 339.0 | 339.3 | 340.0 | 340.7 | 340.7 | 340.7 | 341.0 | 340.7 | 340.7 | 341.7 |
| 10° | 334.2 | 334.5 | 335.2 | 336.2 | 336.6 | 337.6 | 337.6 | 338.6 | 339.0 | 339.6 | 341.0 |
| 12.5° | 327.7 | 328.0 | 328.7 | 329.4 | 331.1 | 332.8 | 332.8 | 335.2 | 336.2 | 337.9 | 340.3 |
| 15° | 322.9 | 323.2 | 323.9 | 324.6 | 326.0 | 327.7 | 328.7 | 331.4 | 333.1 | 336.2 | 339.6 |
| 17.5° | 325.6 | 325.3 | 326.0 | 326.3 | 326.3 | 327.7 | 327.7 | 329.7 | 331.8 | 334.5 | 339.0 |
| 20° | 333.5 | 333.5 | 334.2 | 334.2 | 333.8 | 334.5 | 333.1 | 333.1 | 333.5 | 334.9 | 337.9 |
| 22.5° | 341.4 | 341.0 | 342.4 | 343.1 | 343.4 | 344.4 | 343.1 | 342.7 | 341.0 | 340.0 | 341.0 |
| 25° | 348.9 | 348.5 | 350.2 | 351.3 | 353.0 | 354.0 | 354.0 | 354.0 | 352.6 | 350.9 | 349.9 |
| 27.5° | 360.5 | 360.5 | 362.2 | 363.2 | 364.6 | 366.7 | 367.7 | 367.7 | 368.0 | 365.6 | 363.9 |
| 30° | 380.0 | 380.3 | 380.7 | 382.1 | 383.4 | 384.1 | 385.5 | 386.5 | 387.5 | 386.2 | 383.4 |
| 32.5° | 403.3 | 401.2 | 401.2 | 403.3 | 405.0 | 407.0 | 407.7 | 409.1 | 411.1 | 410.1 | 409.8 |
| 35° | 431.0 | 430.3 | 429.6 | 430.3 | 432.3 | 434.7 | 437.5 | 439.9 | 438.5 | 440.5 | 439.5 |
| 37.5° | 472.0 | 472.7 | 473.0 | 473.0 | 472.7 | 473.4 | 474.7 | 477.1 | 476.5 | 477.1 | 478.5 |
| 40° | 539.7 | 537.3 | 534.9 | 535.3 | 531.9 | 532.5 | 527.1 | 529.5 | 529.8 | 527.4 | 528.4 |
| 42.5° | 607.5 | 608.8 | 609.8 | 612.6 | 610.2 | 608.8 | 603.7 | 603.7 | 601.0 | 598.6 | 597.9 |
| 45° | 680.6 | 683.4 | 683.7 | 689.2 | 687.1 | 691.6 | 695.4 | 694.3 | 689.9 | 689.5 | 684.8 |
| 47.5° | 739.1 | 743.6 | 748.4 | 754.9 | 760.0 | 769.9 | 781.6 | 787.4 | 790.8 | 793.5 | 788.0 |
| 50° | 782.9 | 785.0 | 797.3 | 807.5 | 818.8 | 835.2 | 851.3 | 872.2 | 888.9 | 896.8 | 904.3 |
| 52.5° | 806.5 | 811.6 | 825.0 | 841.1 | 860.9 | 885.5 | 911.5 | 944.7 | 973.4 | 992.6 | 1009.7 |
| 55° | 811.6 | 816.8 | 831.8 | 852.4 | 879.4 | 912.5 | 949.8 | 995.0 | 1038.1 | 1075.0 | 1110.9 |
| 57.5° | 797.3 | 803.1 | 819.2 | 842.8 | 874.6 | 914.9 | 961.8 | 1021.0 | 1080.5 | 1140.3 | 1193.4 |
| 60° | 770.9 | 778.1 | 792.8 | 816.1 | 851.3 | 896.8 | 952.9 | 1027.1 | 1110.6 | 1202.3 | 1303.8 |
| 62.5° | 727.5 | 735.0 | 748.7 | 774.4 | 810.6 | 860.9 | 925.9 | 1018.2 | 1136.2 | 1280.6 | 1460.8 |
| 65° | 657.7 | 661.2 | 677.9 | 703.9 | 736.1 | 791.5 | 863.0 | 974.5 | 1128.0 | 1328.8 | 1577.1 |
| 66° | 626.3 | 632.1 | 642.3 | 663.2 | 694.0 | 746.0 | 817.8 | 931.0 | 1096.9 | 1312.0 | 1574.0 |
| 67.5° | 577.0 | 581.5 | 588.3 | 602.3 | 621.1 | 659.4 | 727.5 | 834.6 | 1001.8 | 1227.2 | 1508.7 |
| 70° | 466.5 | 468.6 | 477.8 | 482.6 | 489.1 | 501.8 | 526.4 | 588.0 | 718.3 | 930.0 | 1217.6 |
| 72.5° | 318.1 | 323.9 | 333.8 | 347.5 | 365.3 | 382.4 | 394.0 | 401.9 | 429.9 | 554.8 | 811.3 |
| 75° | 233.3 | 239.4 | 252.1 | 270.2 | 301.3 | 336.9 | 373.8 | 390.9 | 379.3 | 363.2 | 451.8 |
| 77.5° | 135.4 | 143.7 | 154.3 | 171.7 | 200.4 | 247.6 | 310.9 | 367.0 | 405.0 | 407.4 | 386.8 |
| 80° | 57.1 | 58.1 | 64.6 | 73.5 | 91.3 | 124.5 | 173.8 | 254.5 | 338.6 | 395.4 | 408.7 |
| 82.5° | 13.0 | 16.1 | 20.5 | 24.3 | 29.8 | 41.0 | 60.9 | 101.2 | 183.0 | 287.0 | 374.2 |
| 85° | 4.8 | 4.8 | 6.5 | 9.6 | 10.9 | 12.3 | 16.1 | 25.7 | 43.8 | 80.7 | 168.3 |
| 87.5° | 0.0 | 0.3 | 0.7 | 0.7 | 1.4 | 1.7 | 2.7 | 3.8 | 3.4 | 3.1 | 10.3 |
| 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-E01-LED-E-U-T3-7050

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 |
| 2.5° | 342.0 | 341.7 | 341.0 | 341.0 | 341.0 | 341.0 | 340.3 | 340.7 | 340.0 | 340.3 | 340.3 |
| 5° | 341.7 | 341.7 | 341.4 | 340.7 | 341.0 | 341.0 | 341.4 | 340.7 | 340.7 | 341.0 | 340.7 |
| 7.5° | 341.7 | 341.4 | 341.4 | 341.4 | 341.7 | 341.4 | 341.7 | 341.7 | 341.7 | 342.0 | 342.0 |
| 10° | 341.7 | 341.7 | 342.4 | 342.7 | 342.7 | 343.1 | 344.1 | 344.1 | 344.4 | 344.8 | 345.5 |
| 12.5° | 342.0 | 343.4 | 344.4 | 345.5 | 345.8 | 346.5 | 348.2 | 348.2 | 348.9 | 349.9 | 350.2 |
| 15° | 342.4 | 344.4 | 346.5 | 347.2 | 347.8 | 349.2 | 350.9 | 351.6 | 352.6 | 353.7 | 354.3 |
| 17.5° | 342.0 | 344.8 | 347.2 | 348.2 | 349.2 | 350.9 | 353.0 | 353.7 | 355.0 | 356.4 | 357.8 |
| 20° | 341.7 | 345.5 | 349.2 | 350.6 | 352.0 | 354.3 | 357.1 | 358.8 | 360.2 | 362.2 | 363.6 |
| 22.5° | 343.7 | 348.2 | 353.3 | 355.4 | 357.8 | 360.8 | 364.6 | 366.7 | 368.4 | 370.4 | 371.5 |
| 25° | 350.2 | 353.7 | 359.8 | 363.2 | 366.3 | 371.5 | 376.6 | 379.0 | 381.0 | 382.7 | 383.1 |
| 27.5° | 361.2 | 362.2 | 369.7 | 374.2 | 378.6 | 386.8 | 393.0 | 394.7 | 398.5 | 399.8 | 399.5 |
| 30° | 379.0 | 377.3 | 383.4 | 390.3 | 396.8 | 408.0 | 415.6 | 420.0 | 423.4 | 423.4 | 420.7 |
| 32.5° | 404.6 | 401.9 | 403.6 | 411.5 | 419.0 | 435.4 | 444.3 | 450.1 | 452.5 | 451.8 | 446.0 |
| 35° | 438.1 | 436.4 | 435.4 | 441.6 | 453.5 | 472.7 | 484.3 | 487.4 | 491.2 | 490.5 | 483.0 |
| 37.5° | 477.8 | 476.5 | 476.5 | 483.6 | 495.3 | 523.7 | 536.3 | 538.4 | 538.0 | 532.5 | 518.5 |
| 40° | 524.7 | 524.0 | 520.9 | 525.0 | 534.9 | 571.9 | 589.0 | 591.7 | 588.0 | 579.1 | 562.6 |
| 42.5° | 592.1 | 588.0 | 578.4 | 580.8 | 588.3 | 624.2 | 646.4 | 654.0 | 650.2 | 641.3 | 614.6 |
| 45° | 680.0 | 675.5 | 659.4 | 657.4 | 661.5 | 693.0 | 721.7 | 723.4 | 722.7 | 711.4 | 680.0 |
| 47.5° | 783.3 | 776.4 | 759.3 | 753.8 | 752.5 | 781.6 | 809.3 | 812.0 | 810.3 | 793.5 | 751.5 |
| 50° | 895.1 | 885.2 | 873.9 | 870.1 | 864.7 | 885.5 | 913.6 | 913.9 | 907.1 | 883.8 | 844.5 |
| 52.5° | 1014.5 | 1011.1 | 1009.0 | 1005.2 | 1002.8 | 1021.0 | 1038.1 | 1027.8 | 1017.6 | 993.3 | 959.1 |
| 55° | 1134.9 | 1148.9 | 1163.3 | 1164.6 | 1168.7 | 1188.2 | 1187.9 | 1159.8 | 1152.3 | 1139.0 | 1105.1 |
| 57.5° | 1262.8 | 1314.8 | 1359.9 | 1374.0 | 1387.6 | 1423.9 | 1420.5 | 1392.8 | 1383.2 | 1366.8 | 1338.7 |
| 60° | 1436.9 | 1577.1 | 1707.4 | 1738.6 | 1760.1 | 1803.6 | 1799.4 | 1756.7 | 1776.5 | 1775.2 | 1738.9 |
| 62.5° | 1680.8 | 1914.0 | 2109.3 | 2157.2 | 2172.3 | 2177.1 | 2151.1 | 2104.9 | 2124.4 | 2146.3 | 2034.8 |
| 65° | 1846.0 | 2120.3 | 2320.7 | 2357.6 | 2359.7 | 2302.6 | 2244.8 | 2190.4 | 2185.6 | 2166.8 | 2007.4 |
| 66° | 1849.7 | 2130.5 | 2331.7 | 2367.6 | 2354.9 | 2276.9 | 2203.7 | 2149.0 | 2125.4 | 2084.0 | 1918.8 |
| 67.5° | 1783.4 | 2066.6 | 2283.1 | 2321.1 | 2293.3 | 2182.9 | 2082.0 | 2011.5 | 1965.3 | 1898.3 | 1752.6 |
| 70° | 1497.8 | 1778.6 | 2045.4 | 2116.2 | 2125.1 | 1960.2 | 1820.3 | 1737.5 | 1675.3 | 1583.3 | 1457.8 |
| 72.5° | 1113.7 | 1367.5 | 1602.8 | 1670.5 | 1705.0 | 1573.4 | 1455.4 | 1392.4 | 1307.3 | 1210.5 | 1121.2 |
| 75° | 698.1 | 877.3 | 1035.0 | 1082.5 | 1050.0 | 948.1 | 877.3 | 851.0 | 767.2 | 709.4 | 668.7 |
| 77.5° | 399.2 | 455.2 | 467.9 | 449.8 | 411.5 | 315.0 | 224.0 | 165.9 | 144.0 | 159.4 | 175.8 |
| 80° | 389.6 | 357.1 | 284.6 | 250.4 | 226.8 | 156.0 | 91.7 | 62.9 | 52.3 | 53.7 | 58.1 |
| 82.5° | 422.1 | 452.9 | 372.8 | 304.1 | 255.2 | 172.4 | 95.1 | 50.6 | 34.2 | 40.4 | 45.5 |
| 85° | 274.3 | 381.7 | 343.7 | 289.7 | 234.6 | 147.4 | 78.3 | 26.3 | 17.4 | 22.9 | 31.5 |
| 87.5° | 27.7 | 30.4 | 26.0 | 35.2 | 26.3 | 12.3 | 6.2 | 3.8 | 3.4 | 4.1 | 6.2 |
| 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-E01-LED-E-U-T3-7050

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 |
| 2.5° | 340.7 | 340.7 | 341.0 | 341.4 | 341.7 | 342.0 | 342.0 | 342.0 | 342.0 | 342.7 | 342.4 |
| 5° | 341.4 | 342.0 | 342.7 | 343.1 | 343.7 | 343.7 | 344.8 | 344.4 | 344.4 | 345.5 | 345.8 |
| 7.5° | 342.7 | 343.7 | 345.1 | 344.8 | 346.1 | 345.8 | 346.5 | 346.5 | 345.5 | 345.8 | 345.1 |
| 10° | 345.8 | 347.2 | 347.8 | 346.8 | 347.2 | 345.8 | 345.5 | 343.7 | 341.7 | 340.7 | 339.3 |
| 12.5° | 350.9 | 352.3 | 352.3 | 350.6 | 348.5 | 345.5 | 343.1 | 339.3 | 336.2 | 334.5 | 332.8 |
| 15° | 355.4 | 356.7 | 356.4 | 353.7 | 350.6 | 345.8 | 342.4 | 337.9 | 333.5 | 330.7 | 329.0 |
| 17.5° | 358.8 | 359.5 | 358.5 | 354.7 | 351.3 | 346.8 | 343.4 | 338.6 | 333.5 | 330.1 | 327.0 |
| 20° | 363.9 | 363.2 | 360.8 | 356.1 | 352.3 | 348.2 | 345.5 | 341.4 | 335.5 | 331.1 | 326.6 |
| 22.5° | 371.5 | 368.7 | 364.3 | 359.1 | 355.4 | 351.6 | 348.9 | 344.4 | 338.6 | 333.1 | 328.0 |
| 25° | 381.4 | 375.9 | 369.7 | 364.3 | 360.8 | 356.7 | 353.7 | 348.9 | 342.7 | 336.6 | 330.4 |
| 27.5° | 395.7 | 386.2 | 378.3 | 373.5 | 369.7 | 364.6 | 360.8 | 354.7 | 348.2 | 341.0 | 334.2 |
| 30° | 411.8 | 398.8 | 391.3 | 387.5 | 383.4 | 377.9 | 372.1 | 364.3 | 356.7 | 348.9 | 340.7 |
| 32.5° | 432.7 | 416.9 | 409.8 | 406.0 | 400.5 | 393.7 | 386.8 | 377.9 | 367.3 | 357.1 | 347.2 |
| 35° | 460.0 | 444.0 | 436.4 | 430.6 | 423.1 | 414.2 | 404.3 | 392.3 | 377.9 | 364.3 | 351.6 |
| 37.5° | 489.5 | 472.0 | 464.8 | 458.7 | 447.4 | 435.8 | 421.7 | 404.3 | 384.8 | 366.7 | 350.9 |
| 40° | 526.7 | 510.7 | 501.4 | 490.8 | 477.5 | 457.3 | 435.4 | 410.1 | 385.1 | 362.9 | 344.4 |
| 42.5° | 573.9 | 557.9 | 544.2 | 527.4 | 504.2 | 473.0 | 441.9 | 409.1 | 379.0 | 353.7 | 333.8 |
| 45° | 636.5 | 617.0 | 593.4 | 564.0 | 526.4 | 483.0 | 442.3 | 402.6 | 367.3 | 339.3 | 318.1 |
| 47.5° | 713.1 | 683.4 | 644.7 | 595.1 | 541.1 | 485.7 | 436.8 | 389.6 | 349.2 | 318.8 | 295.2 |
| 50° | 804.1 | 757.3 | 693.6 | 620.8 | 548.6 | 481.6 | 423.1 | 370.1 | 323.6 | 291.1 | 263.0 |
| 52.5° | 908.1 | 831.5 | 737.8 | 639.3 | 548.3 | 467.9 | 399.8 | 340.7 | 290.0 | 253.8 | 227.1 |
| 55° | 1030.2 | 916.3 | 783.3 | 652.9 | 538.7 | 442.6 | 364.3 | 299.3 | 248.7 | 215.1 | 190.5 |
| 57.5° | 1209.1 | 1053.8 | 862.6 | 674.2 | 519.6 | 403.6 | 316.0 | 249.7 | 205.2 | 173.4 | 152.5 |
| 60° | 1536.1 | 1283.3 | 1005.6 | 716.9 | 490.1 | 346.5 | 259.6 | 196.7 | 159.4 | 133.7 | 119.7 |
| 62.5° | 1782.3 | 1460.8 | 1082.9 | 707.3 | 431.0 | 276.0 | 192.6 | 143.3 | 117.3 | 99.9 | 91.0 |
| 65° | 1747.1 | 1405.8 | 1000.5 | 609.2 | 337.9 | 194.6 | 127.9 | 97.5 | 80.7 | 72.5 | 67.4 |
| 66° | 1667.4 | 1333.9 | 929.0 | 548.3 | 292.1 | 161.8 | 105.3 | 81.7 | 69.4 | 63.6 | 60.2 |
| 67.5° | 1516.2 | 1200.5 | 801.0 | 449.4 | 224.4 | 117.3 | 79.4 | 64.6 | 56.4 | 54.0 | 51.6 |
| 70° | 1260.4 | 957.4 | 562.3 | 261.7 | 114.6 | 65.3 | 50.3 | 45.1 | 43.1 | 42.8 | 42.1 |
| 72.5° | 965.9 | 677.6 | 331.1 | 123.8 | 59.5 | 43.4 | 39.0 | 37.3 | 36.6 | 36.6 | 36.9 |
| 75° | 592.1 | 380.7 | 146.4 | 60.5 | 41.7 | 36.6 | 34.5 | 33.9 | 33.5 | 33.9 | 33.5 |
| 77.5° | 197.7 | 121.1 | 62.6 | 45.8 | 38.0 | 33.9 | 32.5 | 31.8 | 31.8 | 31.8 | 31.8 |
| 80° | 60.5 | 52.7 | 47.9 | 42.4 | 35.9 | 32.2 | 30.1 | 29.8 | 30.1 | 30.4 | 29.4 |
| 82.5° | 45.5 | 43.1 | 40.4 | 37.6 | 32.5 | 28.7 | 28.0 | 28.0 | 28.0 | 27.0 | 25.7 |
| 85° | 33.5 | 33.2 | 27.4 | 25.7 | 23.9 | 23.9 | 23.9 | 23.9 | 22.9 | 21.2 | 19.8 |
| 87.5° | 6.2 | 5.8 | 6.2 | 6.5 | 9.6 | 10.3 | 10.3 | 10.9 | 12.0 | 11.3 | 11.3 |
| 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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CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 |
| 2.5° | 342.4 | 342.0 | 343.1 | 342.4 | 342.7 |
| 5° | 345.5 | 345.1 | 345.8 | 345.1 | 346.1 |
| 7.5° | 344.4 | 343.7 | 343.4 | 343.7 | 344.1 |
| 10° | 337.2 | 336.6 | 336.2 | 335.9 | 336.2 |
| 12.5° | 331.1 | 329.7 | 329.7 | 329.0 | 329.4 |
| 15° | 326.6 | 325.6 | 325.3 | 324.6 | 324.9 |
| 17.5° | 324.6 | 322.9 | 322.2 | 321.5 | 321.5 |
| 20° | 323.2 | 321.2 | 320.1 | 319.5 | 319.1 |
| 22.5° | 323.2 | 320.1 | 318.8 | 318.1 | 317.8 |
| 25° | 324.6 | 320.8 | 318.8 | 317.8 | 317.4 |
| 27.5° | 327.3 | 322.5 | 320.1 | 318.8 | 318.8 |
| 30° | 332.1 | 326.0 | 322.5 | 320.8 | 320.5 |
| 32.5° | 336.9 | 328.7 | 323.9 | 321.9 | 321.2 |
| 35° | 339.3 | 328.7 | 322.9 | 319.5 | 318.8 |
| 37.5° | 336.6 | 324.2 | 317.1 | 311.9 | 310.9 |
| 40° | 328.0 | 315.0 | 307.1 | 302.4 | 301.7 |
| 42.5° | 316.7 | 304.1 | 294.8 | 291.4 | 290.4 |
| 45° | 301.3 | 286.3 | 277.0 | 272.3 | 272.6 |
| 47.5° | 275.0 | 259.6 | 251.4 | 246.9 | 247.6 |
| 50° | 243.9 | 228.8 | 221.6 | 216.9 | 217.9 |
| 52.5° | 209.7 | 196.0 | 189.1 | 186.8 | 186.1 |
| 55° | 173.8 | 163.2 | 158.4 | 155.6 | 154.6 |
| 57.5° | 140.9 | 133.4 | 130.0 | 126.6 | 126.9 |
| 60° | 111.2 | 107.4 | 106.4 | 102.6 | 102.3 |
| 62.5° | 87.6 | 85.2 | 84.1 | 81.4 | 81.7 |
| 65° | 66.4 | 65.7 | 66.4 | 64.6 | 65.3 |
| 66° | 59.9 | 60.2 | 60.2 | 59.2 | 59.9 |
| 67.5° | 51.6 | 52.3 | 53.4 | 52.3 | 53.0 |
| 70° | 42.8 | 43.4 | 44.1 | 44.1 | 44.1 |
| 72.5° | 37.3 | 38.0 | 38.3 | 38.3 | 38.3 |
| 75° | 34.2 | 34.5 | 34.9 | 34.2 | 34.2 |
| 77.5° | 32.2 | 32.2 | 31.5 | 31.1 | 30.8 |
| 80° | 29.1 | 28.7 | 27.7 | 27.0 | 27.0 |
| 82.5° | 24.3 | 23.6 | 22.9 | 21.9 | 21.9 |
| 85° | 18.5 | 17.8 | 17.1 | 15.7 | 15.0 |
| 87.5° | 9.6 | 9.9 | 9.6 | 7.9 | 6.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)