

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: P155703

Luminaire Tested: **TMU-F02-LED-E-U-T3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155703
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-F02-LED-E-U-T3-8030
Description: TALON MEDIUM LED AREA LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4297.4 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

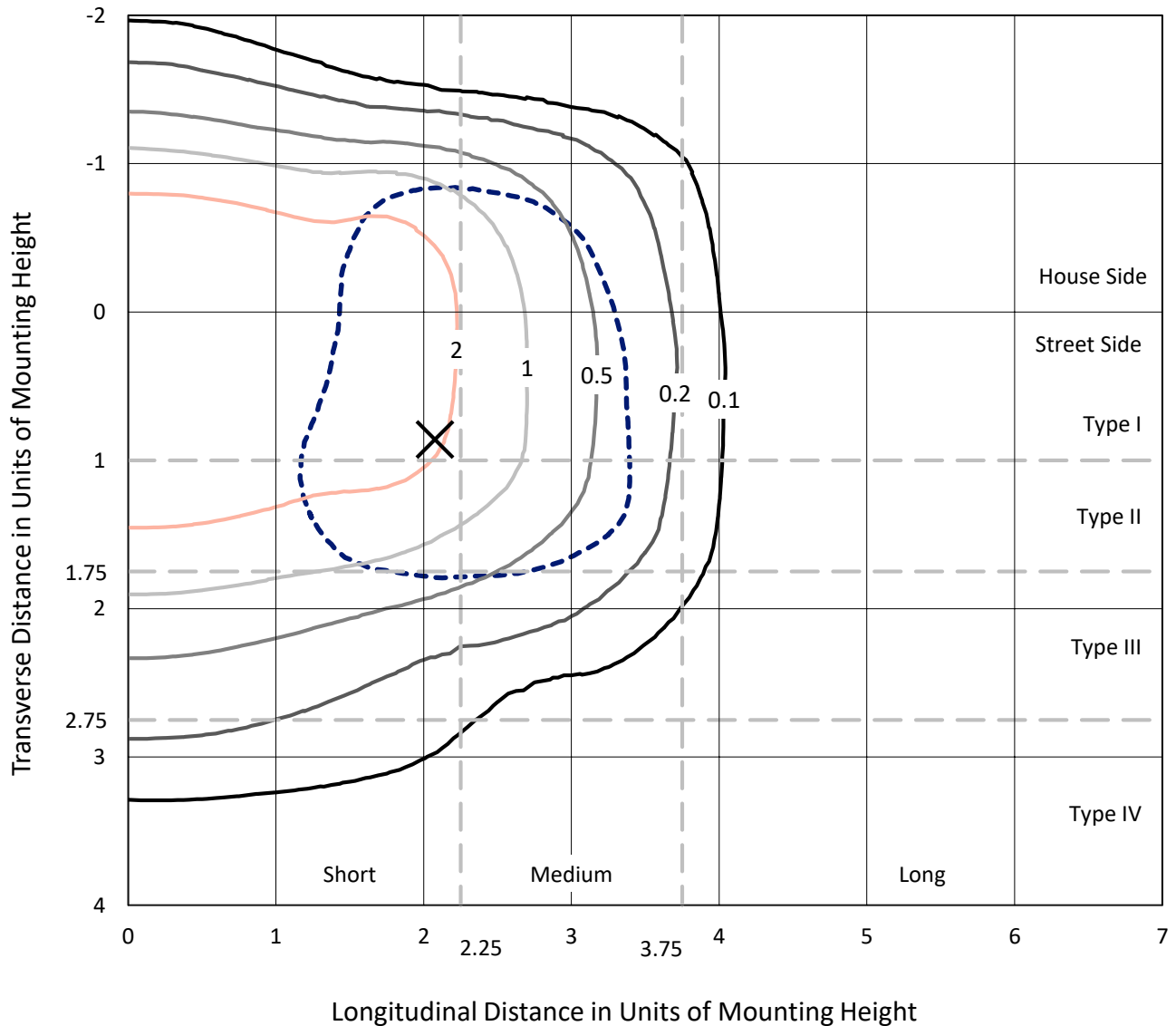
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

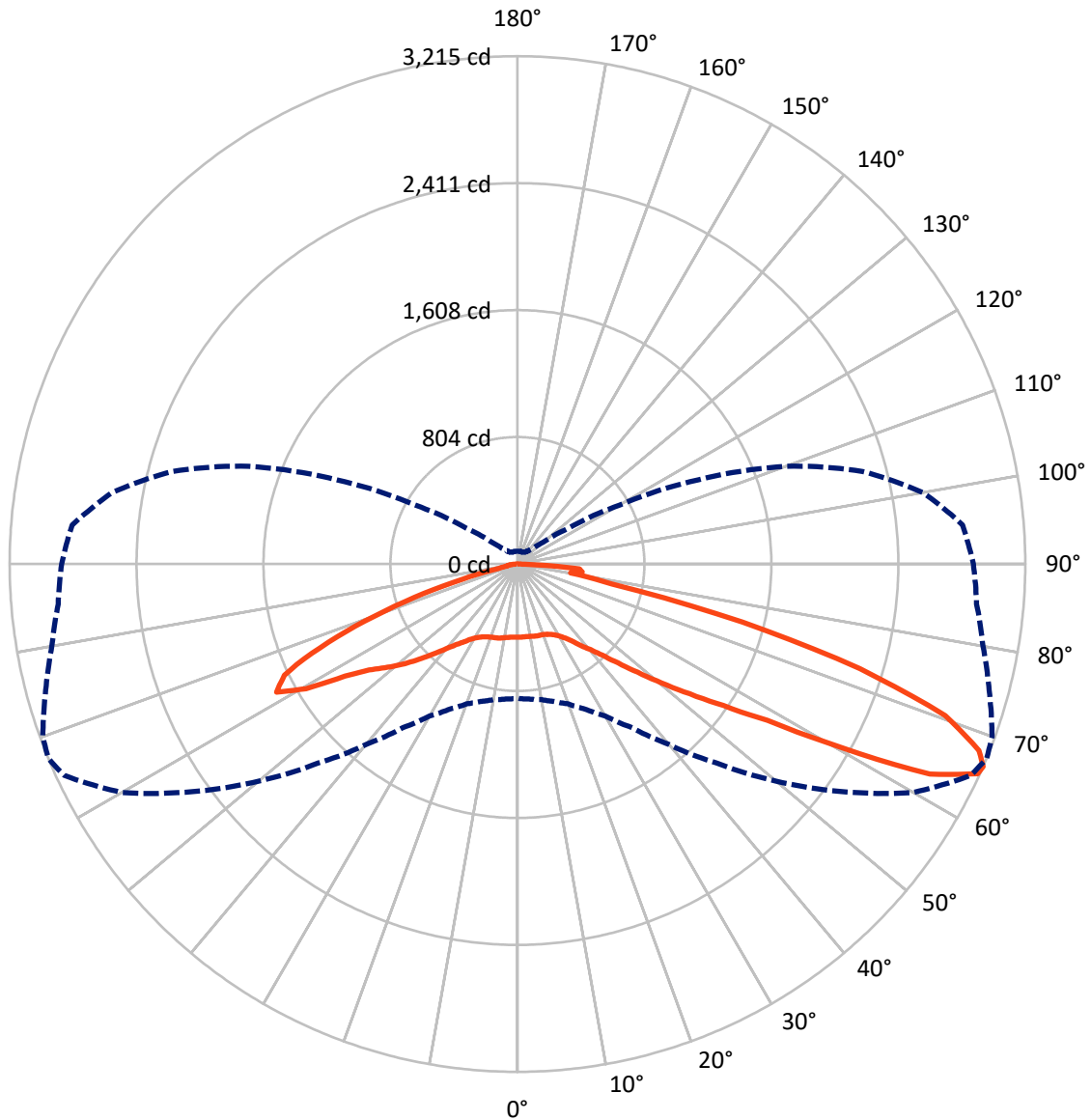
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 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 | 1484.0 | 0.0 | 1484.0 |
| | % Fixture | 34.5 | 0.0 | 34.5 |
| Street Side | Lumens | 2813.3 | 0.0 | 2813.3 |
| | % Fixture | 65.5 | 0.0 | 65.5 |
| Total | Lumens | 4297.4 | 0.0 | 4297.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.4 | 1.0 |
| 10°-20° | 130.9 | 3.0 |
| 20°-30° | 225.0 | 5.2 |
| 30°-40° | 365.3 | 8.5 |
| 40°-50° | 609.9 | 14.2 |
| 50°-60° | 960.3 | 22.3 |
| 60°-70° | 1309.5 | 30.5 |
| 70°-80° | 566.9 | 13.2 |
| 80°-90° | 85.2 | 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° | 4297.4 | 100.0 |
| 0°-180° | 4297.4 | 100.0 |

Coefficient of Utilization



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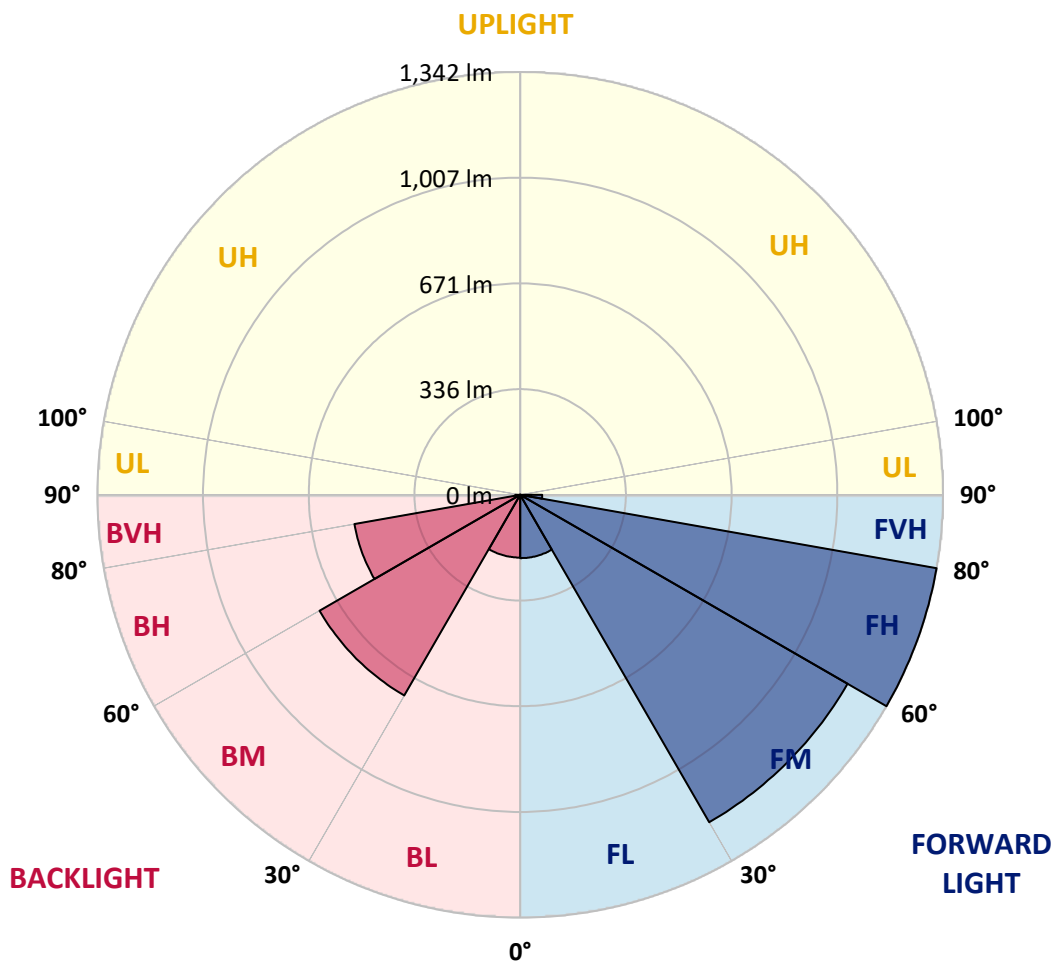
CATALOG NUMBER: TMU-F02-LED-E-U-T3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 201.0 | 4.7 | | | |
| FM | (30°-60°) | 1200.1 | 27.9 | | | |
| FH | (60°-80°) | 1342.2 | 31.2 | | | G1/1800 |
| FVH | (80°-90°) | 70.0 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 199.2 | 4.6 | B1/500 | | |
| BM | (30°-60°) | 735.4 | 17.1 | B1/1000 | | |
| BH | (60°-80°) | 534.2 | 12.4 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 15.2 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type III Short





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CATALOG NUMBER: TMU-F02-LED-E-U-T3-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 |
| 2.5° | 465.0 | 466.8 | 465.0 | 465.4 | 465.9 | 465.4 | 465.0 | 465.0 | 463.6 | 464.5 | 465.4 |
| 5° | 463.1 | 464.5 | 464.0 | 464.5 | 465.0 | 464.5 | 464.0 | 464.5 | 463.6 | 464.0 | 465.4 |
| 7.5° | 460.8 | 460.3 | 460.8 | 461.7 | 462.6 | 462.6 | 462.6 | 463.1 | 462.6 | 462.6 | 464.0 |
| 10° | 453.8 | 454.3 | 455.2 | 456.6 | 457.1 | 458.5 | 458.5 | 459.8 | 460.3 | 461.2 | 463.1 |
| 12.5° | 445.0 | 445.4 | 446.4 | 447.3 | 449.6 | 451.9 | 451.9 | 455.2 | 456.6 | 458.9 | 462.2 |
| 15° | 438.5 | 438.9 | 439.9 | 440.8 | 442.7 | 445.0 | 446.4 | 450.1 | 452.4 | 456.6 | 461.2 |
| 17.5° | 442.2 | 441.7 | 442.7 | 443.1 | 443.1 | 445.0 | 445.0 | 447.8 | 450.6 | 454.3 | 460.3 |
| 20° | 452.9 | 452.9 | 453.8 | 453.8 | 453.3 | 454.3 | 452.4 | 452.4 | 452.9 | 454.7 | 458.9 |
| 22.5° | 463.6 | 463.1 | 465.0 | 465.9 | 466.3 | 467.7 | 465.9 | 465.4 | 463.1 | 461.7 | 463.1 |
| 25° | 473.8 | 473.3 | 475.6 | 477.0 | 479.4 | 480.7 | 480.7 | 480.7 | 478.9 | 476.6 | 475.2 |
| 27.5° | 489.6 | 489.6 | 491.9 | 493.3 | 495.1 | 497.9 | 499.3 | 499.3 | 499.8 | 496.5 | 494.2 |
| 30° | 516.0 | 516.5 | 517.0 | 518.8 | 520.7 | 521.6 | 523.5 | 524.9 | 526.3 | 524.4 | 520.7 |
| 32.5° | 547.6 | 544.8 | 544.8 | 547.6 | 550.0 | 552.7 | 553.7 | 555.5 | 558.3 | 556.9 | 556.5 |
| 35° | 585.3 | 584.3 | 583.4 | 584.3 | 587.1 | 590.4 | 594.1 | 597.3 | 595.5 | 598.3 | 596.9 |
| 37.5° | 641.0 | 641.9 | 642.4 | 642.4 | 641.9 | 642.9 | 644.7 | 648.0 | 647.0 | 648.0 | 649.8 |
| 40° | 733.0 | 729.7 | 726.5 | 726.9 | 722.3 | 723.2 | 715.8 | 719.0 | 719.5 | 716.2 | 717.6 |
| 42.5° | 824.9 | 826.8 | 828.2 | 831.9 | 828.7 | 826.8 | 819.8 | 819.8 | 816.1 | 812.9 | 811.9 |
| 45° | 924.3 | 928.1 | 928.5 | 935.9 | 933.2 | 939.2 | 944.3 | 942.9 | 936.9 | 936.4 | 929.9 |
| 47.5° | 1003.8 | 1009.8 | 1016.3 | 1025.1 | 1032.1 | 1045.6 | 1061.4 | 1069.3 | 1073.9 | 1077.6 | 1070.2 |
| 50° | 1063.2 | 1066.0 | 1082.7 | 1096.7 | 1112.0 | 1134.3 | 1156.1 | 1184.5 | 1207.2 | 1217.9 | 1228.1 |
| 52.5° | 1095.3 | 1102.2 | 1120.4 | 1142.2 | 1169.1 | 1202.6 | 1237.9 | 1282.9 | 1321.9 | 1348.0 | 1371.2 |
| 55° | 1102.2 | 1109.2 | 1129.6 | 1157.5 | 1194.2 | 1239.3 | 1289.9 | 1351.2 | 1409.7 | 1459.9 | 1508.7 |
| 57.5° | 1082.7 | 1090.6 | 1112.5 | 1144.5 | 1187.7 | 1242.5 | 1306.1 | 1386.5 | 1467.3 | 1548.6 | 1620.6 |
| 60° | 1047.0 | 1056.7 | 1076.7 | 1108.3 | 1156.1 | 1217.9 | 1294.1 | 1394.9 | 1508.2 | 1632.7 | 1770.6 |
| 62.5° | 988.0 | 998.2 | 1016.8 | 1051.6 | 1100.8 | 1169.1 | 1257.4 | 1382.8 | 1543.0 | 1739.1 | 1983.8 |
| 65° | 893.2 | 897.9 | 920.6 | 955.9 | 999.6 | 1074.8 | 1171.9 | 1323.3 | 1531.9 | 1804.5 | 2141.8 |
| 66° | 850.5 | 858.4 | 872.3 | 900.6 | 942.5 | 1013.1 | 1110.6 | 1264.3 | 1489.6 | 1781.8 | 2137.6 |
| 67.5° | 783.6 | 789.6 | 798.9 | 818.0 | 843.5 | 895.5 | 988.0 | 1133.4 | 1360.5 | 1666.6 | 2048.9 |
| 70° | 633.6 | 636.4 | 648.9 | 655.4 | 664.2 | 681.4 | 714.9 | 798.5 | 975.4 | 1262.9 | 1653.6 |
| 72.5° | 432.0 | 439.9 | 453.3 | 471.9 | 496.1 | 519.3 | 535.1 | 545.8 | 583.9 | 753.4 | 1101.8 |
| 75° | 316.8 | 325.1 | 342.3 | 366.9 | 409.2 | 457.5 | 507.7 | 530.9 | 515.1 | 493.3 | 613.6 |
| 77.5° | 183.9 | 195.1 | 209.5 | 233.2 | 272.2 | 336.3 | 422.2 | 498.4 | 550.0 | 553.2 | 525.3 |
| 80° | 77.6 | 79.0 | 87.8 | 99.9 | 124.0 | 169.1 | 236.0 | 345.6 | 459.8 | 537.0 | 555.1 |
| 82.5° | 17.7 | 21.8 | 27.9 | 33.0 | 40.4 | 55.7 | 82.7 | 137.5 | 248.5 | 389.7 | 508.2 |
| 85° | 6.5 | 6.5 | 8.8 | 13.0 | 14.9 | 16.7 | 21.8 | 34.8 | 59.5 | 109.6 | 228.5 |
| 87.5° | 0.0 | 0.5 | 0.9 | 0.9 | 1.9 | 2.3 | 3.7 | 5.1 | 4.6 | 4.2 | 13.9 |
| 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-F02-LED-E-U-T3-8030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 |
| 2.5° | 464.5 | 464.0 | 463.1 | 463.1 | 463.1 | 463.1 | 462.2 | 462.6 | 461.7 | 462.2 | 462.2 |
| 5° | 464.0 | 464.0 | 463.6 | 462.6 | 463.1 | 463.1 | 463.6 | 462.6 | 462.6 | 463.1 | 462.6 |
| 7.5° | 464.0 | 463.6 | 463.6 | 463.6 | 464.0 | 463.6 | 464.0 | 464.0 | 464.0 | 464.5 | 464.5 |
| 10° | 464.0 | 464.0 | 465.0 | 465.4 | 465.4 | 465.9 | 467.3 | 467.3 | 467.7 | 468.2 | 469.1 |
| 12.5° | 464.5 | 466.3 | 467.7 | 469.1 | 469.6 | 470.5 | 472.9 | 472.9 | 473.8 | 475.2 | 475.6 |
| 15° | 465.0 | 467.7 | 470.5 | 471.5 | 472.4 | 474.2 | 476.6 | 477.5 | 478.9 | 480.3 | 481.2 |
| 17.5° | 464.5 | 468.2 | 471.5 | 472.9 | 474.2 | 476.6 | 479.4 | 480.3 | 482.1 | 484.0 | 485.9 |
| 20° | 464.0 | 469.1 | 474.2 | 476.1 | 478.0 | 481.2 | 484.9 | 487.3 | 489.1 | 491.9 | 493.8 |
| 22.5° | 466.8 | 472.9 | 479.8 | 482.6 | 485.9 | 490.0 | 495.1 | 497.9 | 500.3 | 503.0 | 504.4 |
| 25° | 475.6 | 480.3 | 488.6 | 493.3 | 497.5 | 504.4 | 511.4 | 514.7 | 517.4 | 519.8 | 520.2 |
| 27.5° | 490.5 | 491.9 | 502.1 | 508.2 | 514.2 | 525.3 | 533.7 | 536.0 | 541.1 | 543.0 | 542.5 |
| 30° | 514.7 | 512.3 | 520.7 | 530.0 | 538.8 | 554.1 | 564.4 | 570.4 | 575.0 | 575.0 | 571.3 |
| 32.5° | 549.5 | 545.8 | 548.1 | 558.8 | 569.0 | 591.3 | 603.4 | 611.3 | 614.5 | 613.6 | 605.7 |
| 35° | 595.0 | 592.7 | 591.3 | 599.7 | 615.9 | 641.9 | 657.7 | 661.9 | 667.0 | 666.1 | 655.9 |
| 37.5° | 648.9 | 647.0 | 647.0 | 656.8 | 672.6 | 711.1 | 728.3 | 731.1 | 730.6 | 723.2 | 704.2 |
| 40° | 712.5 | 711.6 | 707.4 | 713.0 | 726.5 | 776.6 | 799.9 | 803.6 | 798.5 | 786.4 | 764.1 |
| 42.5° | 804.0 | 798.5 | 785.5 | 788.7 | 798.9 | 847.7 | 877.9 | 888.1 | 883.0 | 870.9 | 834.7 |
| 45° | 923.4 | 917.4 | 895.5 | 892.8 | 898.3 | 941.1 | 980.1 | 982.4 | 981.5 | 966.1 | 923.4 |
| 47.5° | 1063.7 | 1054.4 | 1031.2 | 1023.7 | 1021.9 | 1061.4 | 1099.0 | 1102.7 | 1100.4 | 1077.6 | 1020.5 |
| 50° | 1215.6 | 1202.1 | 1186.8 | 1181.7 | 1174.2 | 1202.6 | 1240.7 | 1241.1 | 1231.8 | 1200.2 | 1146.8 |
| 52.5° | 1377.7 | 1373.0 | 1370.2 | 1365.1 | 1361.9 | 1386.5 | 1409.7 | 1395.8 | 1381.9 | 1348.9 | 1302.4 |
| 55° | 1541.2 | 1560.2 | 1579.7 | 1581.6 | 1587.2 | 1613.6 | 1613.2 | 1575.1 | 1564.9 | 1546.8 | 1500.8 |
| 57.5° | 1714.9 | 1785.5 | 1846.8 | 1865.9 | 1884.4 | 1933.7 | 1929.0 | 1891.4 | 1878.4 | 1856.1 | 1818.0 |
| 60° | 1951.3 | 2141.8 | 2318.7 | 2361.0 | 2390.3 | 2449.3 | 2443.7 | 2385.6 | 2412.6 | 2410.7 | 2361.5 |
| 62.5° | 2282.5 | 2599.3 | 2864.5 | 2929.5 | 2950.0 | 2956.5 | 2921.2 | 2858.5 | 2884.9 | 2914.7 | 2763.3 |
| 65° | 2506.9 | 2879.4 | 3151.6 | 3201.7 | 3204.5 | 3126.9 | 3048.5 | 2974.6 | 2968.1 | 2942.5 | 2726.1 |
| 66° | 2512.0 | 2893.3 | 3166.4 | 3215.2 | 3198.0 | 3092.1 | 2992.7 | 2918.4 | 2886.3 | 2830.1 | 2605.8 |
| 67.5° | 2421.9 | 2806.5 | 3100.5 | 3152.0 | 3114.4 | 2964.4 | 2827.4 | 2731.7 | 2669.0 | 2577.9 | 2380.0 |
| 70° | 2034.0 | 2415.3 | 2777.7 | 2873.8 | 2885.9 | 2662.0 | 2472.0 | 2359.6 | 2275.1 | 2150.1 | 1979.7 |
| 72.5° | 1512.4 | 1857.0 | 2176.6 | 2268.6 | 2315.5 | 2136.7 | 1976.4 | 1890.9 | 1775.3 | 1643.8 | 1522.6 |
| 75° | 948.0 | 1191.4 | 1405.5 | 1470.1 | 1426.0 | 1287.6 | 1191.4 | 1155.7 | 1041.9 | 963.4 | 908.1 |
| 77.5° | 542.1 | 618.2 | 635.4 | 610.8 | 558.8 | 427.8 | 304.2 | 225.3 | 195.6 | 216.5 | 238.7 |
| 80° | 529.1 | 484.9 | 386.5 | 340.0 | 308.0 | 211.8 | 124.5 | 85.5 | 71.1 | 72.9 | 79.0 |
| 82.5° | 573.2 | 615.0 | 506.3 | 412.9 | 346.5 | 234.1 | 129.1 | 68.7 | 46.4 | 54.8 | 61.8 |
| 85° | 372.5 | 518.4 | 466.8 | 393.4 | 318.6 | 200.2 | 106.4 | 35.8 | 23.7 | 31.1 | 42.7 |
| 87.5° | 37.6 | 41.3 | 35.3 | 47.8 | 35.8 | 16.7 | 8.4 | 5.1 | 4.6 | 5.6 | 8.4 |
| 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-F02-LED-E-U-T3-8030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 |
| 2.5° | 462.6 | 462.6 | 463.1 | 463.6 | 464.0 | 464.5 | 464.5 | 464.5 | 464.5 | 465.4 | 465.0 |
| 5° | 463.6 | 464.5 | 465.4 | 465.9 | 466.8 | 466.8 | 468.2 | 467.7 | 467.7 | 469.1 | 469.6 |
| 7.5° | 465.4 | 466.8 | 468.7 | 468.2 | 470.1 | 469.6 | 470.5 | 470.5 | 469.1 | 469.6 | 468.7 |
| 10° | 469.6 | 471.5 | 472.4 | 471.0 | 471.5 | 469.6 | 469.1 | 466.8 | 464.0 | 462.6 | 460.8 |
| 12.5° | 476.6 | 478.4 | 478.4 | 476.1 | 473.3 | 469.1 | 465.9 | 460.8 | 456.6 | 454.3 | 451.9 |
| 15° | 482.6 | 484.5 | 484.0 | 480.3 | 476.1 | 469.6 | 465.0 | 458.9 | 452.9 | 449.2 | 446.8 |
| 17.5° | 487.3 | 488.2 | 486.8 | 481.7 | 477.0 | 471.0 | 466.3 | 459.8 | 452.9 | 448.2 | 444.1 |
| 20° | 494.2 | 493.3 | 490.0 | 483.5 | 478.4 | 472.9 | 469.1 | 463.6 | 455.7 | 449.6 | 443.6 |
| 22.5° | 504.4 | 500.7 | 494.7 | 487.7 | 482.6 | 477.5 | 473.8 | 467.7 | 459.8 | 452.4 | 445.4 |
| 25° | 517.9 | 510.5 | 502.1 | 494.7 | 490.0 | 484.5 | 480.3 | 473.8 | 465.4 | 457.1 | 448.7 |
| 27.5° | 537.4 | 524.4 | 513.7 | 507.2 | 502.1 | 495.1 | 490.0 | 481.7 | 472.9 | 463.1 | 453.8 |
| 30° | 559.2 | 541.6 | 531.4 | 526.3 | 520.7 | 513.3 | 505.4 | 494.7 | 484.5 | 473.8 | 462.6 |
| 32.5° | 587.6 | 566.2 | 556.5 | 551.4 | 543.9 | 534.6 | 525.3 | 513.3 | 498.9 | 484.9 | 471.5 |
| 35° | 624.7 | 602.9 | 592.7 | 584.8 | 574.6 | 562.5 | 549.0 | 532.8 | 513.3 | 494.7 | 477.5 |
| 37.5° | 664.7 | 641.0 | 631.2 | 622.9 | 607.6 | 591.8 | 572.7 | 549.0 | 522.6 | 497.9 | 476.6 |
| 40° | 715.3 | 693.5 | 680.9 | 666.5 | 648.4 | 621.0 | 591.3 | 556.9 | 523.0 | 492.8 | 467.7 |
| 42.5° | 779.4 | 757.6 | 739.0 | 716.2 | 684.7 | 642.4 | 600.1 | 555.5 | 514.7 | 480.3 | 453.3 |
| 45° | 864.4 | 837.9 | 805.9 | 765.9 | 714.9 | 655.9 | 600.6 | 546.7 | 498.9 | 460.8 | 432.0 |
| 47.5° | 968.5 | 928.1 | 875.6 | 808.2 | 734.8 | 659.6 | 593.2 | 529.1 | 474.2 | 432.9 | 400.9 |
| 50° | 1092.0 | 1028.4 | 942.0 | 843.1 | 745.0 | 654.0 | 574.6 | 502.6 | 439.4 | 395.3 | 357.2 |
| 52.5° | 1233.2 | 1129.2 | 1001.9 | 868.1 | 744.6 | 635.4 | 543.0 | 462.6 | 393.9 | 344.7 | 308.4 |
| 55° | 1399.0 | 1244.4 | 1063.7 | 886.7 | 731.6 | 601.1 | 494.7 | 406.4 | 337.7 | 292.2 | 258.7 |
| 57.5° | 1642.0 | 1431.1 | 1171.4 | 915.5 | 705.6 | 548.1 | 429.2 | 339.1 | 278.7 | 235.5 | 207.2 |
| 60° | 2086.0 | 1742.8 | 1365.6 | 973.6 | 665.6 | 470.5 | 352.5 | 267.1 | 216.5 | 181.6 | 162.6 |
| 62.5° | 2420.5 | 1983.8 | 1470.6 | 960.6 | 585.3 | 374.8 | 261.5 | 194.6 | 159.3 | 135.6 | 123.6 |
| 65° | 2372.6 | 1909.1 | 1358.6 | 827.3 | 458.9 | 264.3 | 173.7 | 132.4 | 109.6 | 98.5 | 91.5 |
| 66° | 2264.4 | 1811.5 | 1261.6 | 744.6 | 396.7 | 219.7 | 143.1 | 111.0 | 94.3 | 86.4 | 81.8 |
| 67.5° | 2059.1 | 1630.4 | 1087.8 | 610.3 | 304.7 | 159.3 | 107.8 | 87.8 | 76.6 | 73.4 | 70.1 |
| 70° | 1711.6 | 1300.1 | 763.6 | 355.3 | 155.6 | 88.7 | 68.3 | 61.3 | 58.5 | 58.1 | 57.1 |
| 72.5° | 1311.7 | 920.2 | 449.6 | 168.1 | 80.8 | 59.0 | 53.0 | 50.6 | 49.7 | 49.7 | 50.2 |
| 75° | 804.0 | 517.0 | 198.8 | 82.2 | 56.7 | 49.7 | 46.9 | 46.0 | 45.5 | 46.0 | 45.5 |
| 77.5° | 268.5 | 164.4 | 85.0 | 62.2 | 51.6 | 46.0 | 44.1 | 43.2 | 43.2 | 43.2 | 43.2 |
| 80° | 82.2 | 71.5 | 65.0 | 57.6 | 48.8 | 43.7 | 40.9 | 40.4 | 40.9 | 41.3 | 39.9 |
| 82.5° | 61.8 | 58.5 | 54.8 | 51.1 | 44.1 | 39.0 | 38.1 | 38.1 | 38.1 | 36.7 | 34.8 |
| 85° | 45.5 | 45.1 | 37.2 | 34.8 | 32.5 | 32.5 | 32.5 | 32.5 | 31.1 | 28.8 | 26.9 |
| 87.5° | 8.4 | 7.9 | 8.4 | 8.8 | 13.0 | 13.9 | 13.9 | 14.9 | 16.3 | 15.3 | 15.3 |
| 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: P155703

CATALOG NUMBER: TMU-F02-LED-E-U-T3-8030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 |
| 2.5° | 465.0 | 464.5 | 465.9 | 465.0 | 465.4 |
| 5° | 469.1 | 468.7 | 469.6 | 468.7 | 470.1 |
| 7.5° | 467.7 | 466.8 | 466.3 | 466.8 | 467.3 |
| 10° | 458.0 | 457.1 | 456.6 | 456.1 | 456.6 |
| 12.5° | 449.6 | 447.8 | 447.8 | 446.8 | 447.3 |
| 15° | 443.6 | 442.2 | 441.7 | 440.8 | 441.3 |
| 17.5° | 440.8 | 438.5 | 437.5 | 436.6 | 436.6 |
| 20° | 438.9 | 436.2 | 434.8 | 433.8 | 433.4 |
| 22.5° | 438.9 | 434.8 | 432.9 | 432.0 | 431.5 |
| 25° | 440.8 | 435.7 | 432.9 | 431.5 | 431.0 |
| 27.5° | 444.5 | 438.0 | 434.8 | 432.9 | 432.9 |
| 30° | 451.0 | 442.7 | 438.0 | 435.7 | 435.2 |
| 32.5° | 457.5 | 446.4 | 439.9 | 437.1 | 436.2 |
| 35° | 460.8 | 446.4 | 438.5 | 433.8 | 432.9 |
| 37.5° | 457.1 | 440.3 | 430.6 | 423.6 | 422.2 |
| 40° | 445.4 | 427.8 | 417.1 | 410.6 | 409.7 |
| 42.5° | 430.1 | 412.9 | 400.4 | 395.7 | 394.4 |
| 45° | 409.2 | 388.8 | 376.2 | 369.7 | 370.2 |
| 47.5° | 373.5 | 352.5 | 341.4 | 335.4 | 336.3 |
| 50° | 331.2 | 310.7 | 301.0 | 294.5 | 295.9 |
| 52.5° | 284.7 | 266.2 | 256.9 | 253.6 | 252.7 |
| 55° | 236.0 | 221.6 | 215.1 | 211.3 | 209.9 |
| 57.5° | 191.4 | 181.2 | 176.5 | 171.9 | 172.3 |
| 60° | 151.0 | 145.8 | 144.5 | 139.3 | 138.9 |
| 62.5° | 118.9 | 115.7 | 114.3 | 110.5 | 111.0 |
| 65° | 90.1 | 89.2 | 90.1 | 87.8 | 88.7 |
| 66° | 81.3 | 81.8 | 81.8 | 80.4 | 81.3 |
| 67.5° | 70.1 | 71.1 | 72.5 | 71.1 | 72.0 |
| 70° | 58.1 | 59.0 | 59.9 | 59.9 | 59.9 |
| 72.5° | 50.6 | 51.6 | 52.0 | 52.0 | 52.0 |
| 75° | 46.4 | 46.9 | 47.4 | 46.4 | 46.4 |
| 77.5° | 43.7 | 43.7 | 42.7 | 42.3 | 41.8 |
| 80° | 39.5 | 39.0 | 37.6 | 36.7 | 36.7 |
| 82.5° | 33.0 | 32.0 | 31.1 | 29.7 | 29.7 |
| 85° | 25.1 | 24.2 | 23.2 | 21.4 | 20.4 |
| 87.5° | 13.0 | 13.5 | 13.0 | 10.7 | 9.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)