

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: P270781

Luminaire Tested: **NVN-AF-01-LED-U-T2R-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P270781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24459)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-AF-01-LED-U-T2R-7027  
Description: NAVION ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5562.1 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

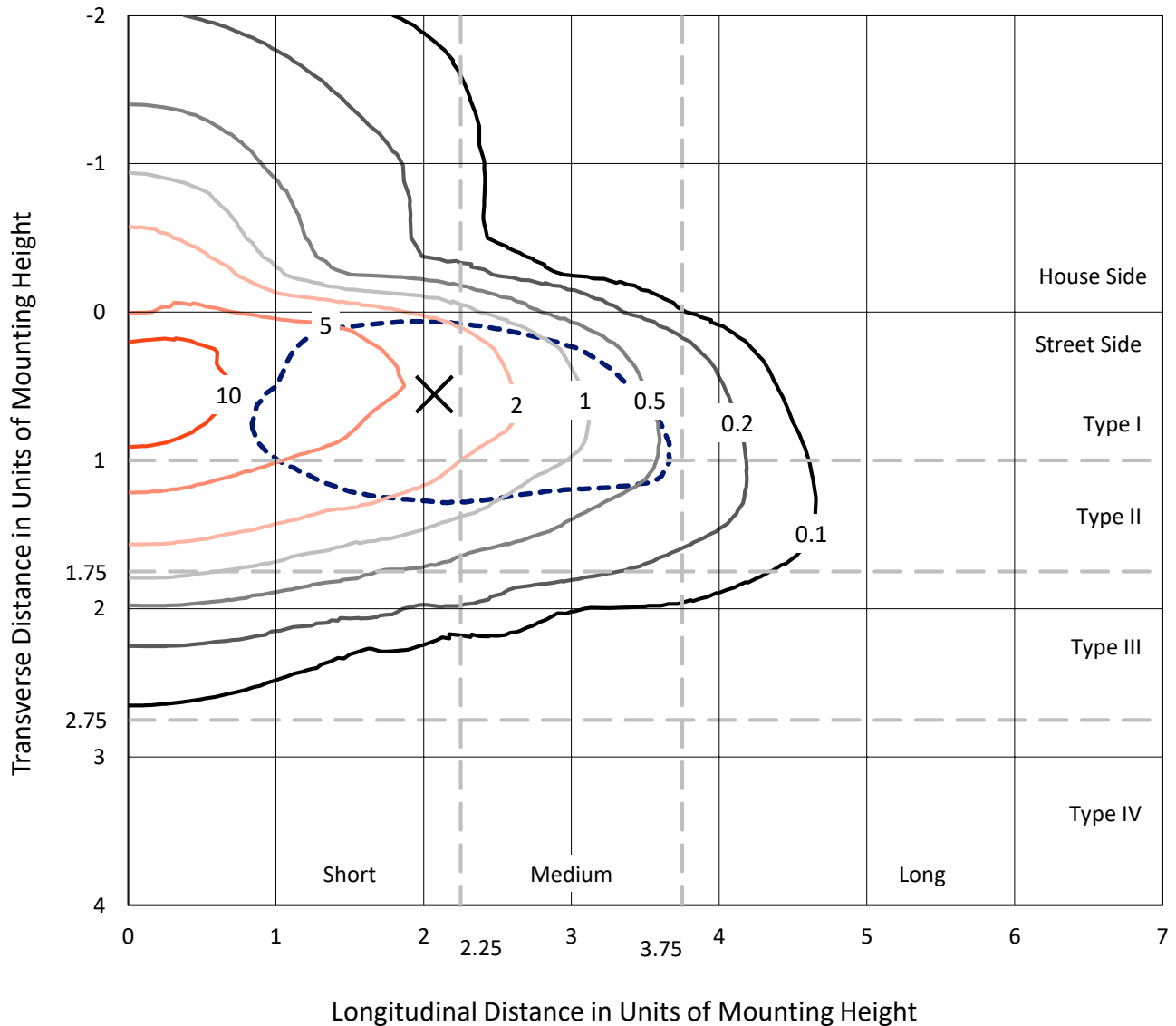
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

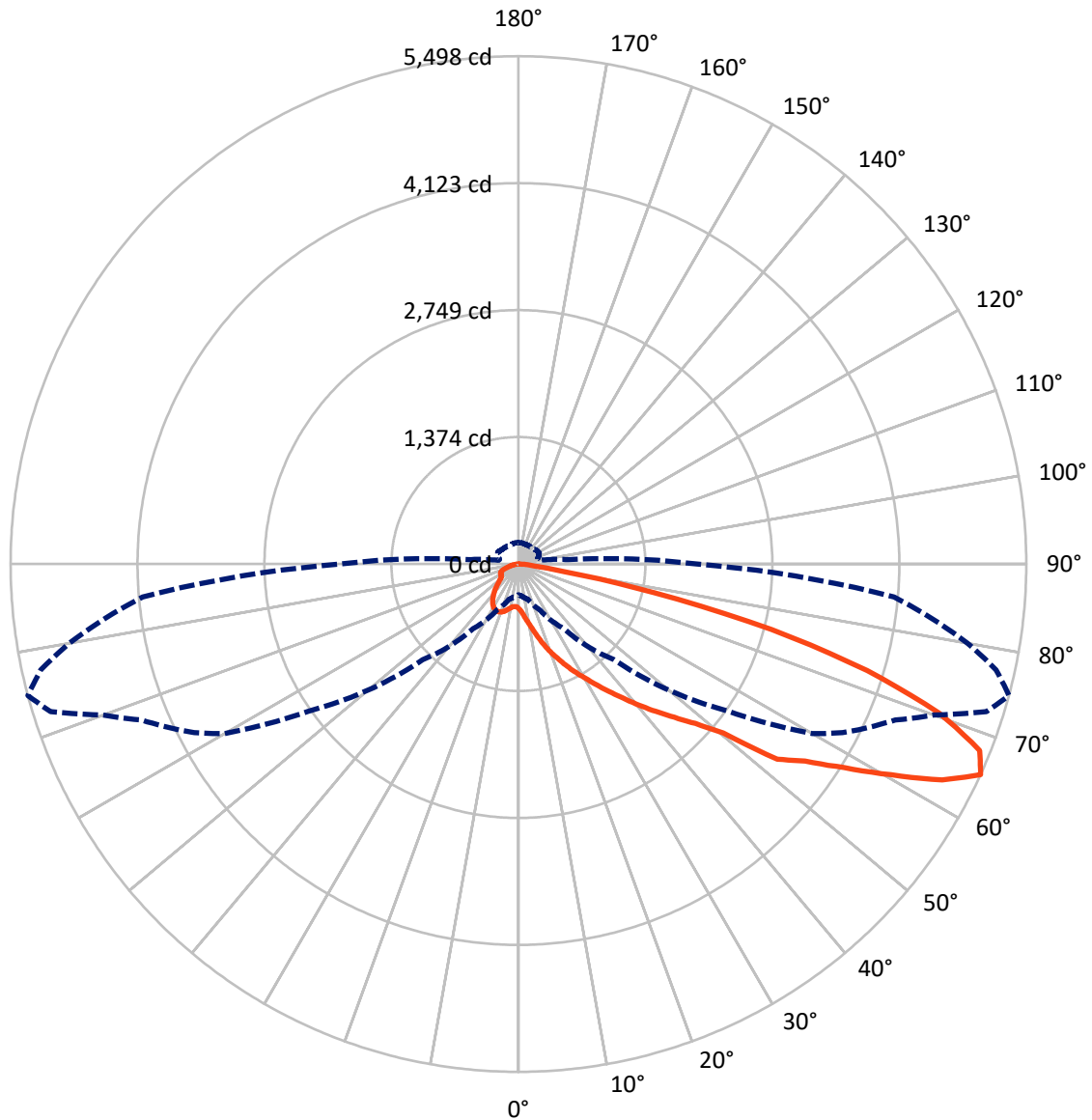
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 835.8    | 0.0    | 835.8  |
|                    | % Fixture | 15.0     | 0.0    | 15.0   |
| <b>Street Side</b> | Lumens    | 4726.3   | 0.0    | 4726.3 |
|                    | % Fixture | 85.0     | 0.0    | 85.0   |
| <b>Total</b>       | Lumens    | 5562.1   | 0.0    | 5562.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 56.9   | 1.0       |
| 10°-20°   | 217.3  | 3.9       |
| 20°-30°   | 438.5  | 7.9       |
| 30°-40°   | 744.8  | 13.4      |
| 40°-50°   | 1038.8 | 18.7      |
| 50°-60°   | 1273.2 | 22.9      |
| 60°-70°   | 1197.9 | 21.5      |
| 70°-80°   | 525.2  | 9.4       |
| 80°-90°   | 69.5   | 1.2       |
| 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°    | 5562.1 | 100.0     |
| 0°-180°   | 5562.1 | 100.0     |

**Coefficient of Utilization**



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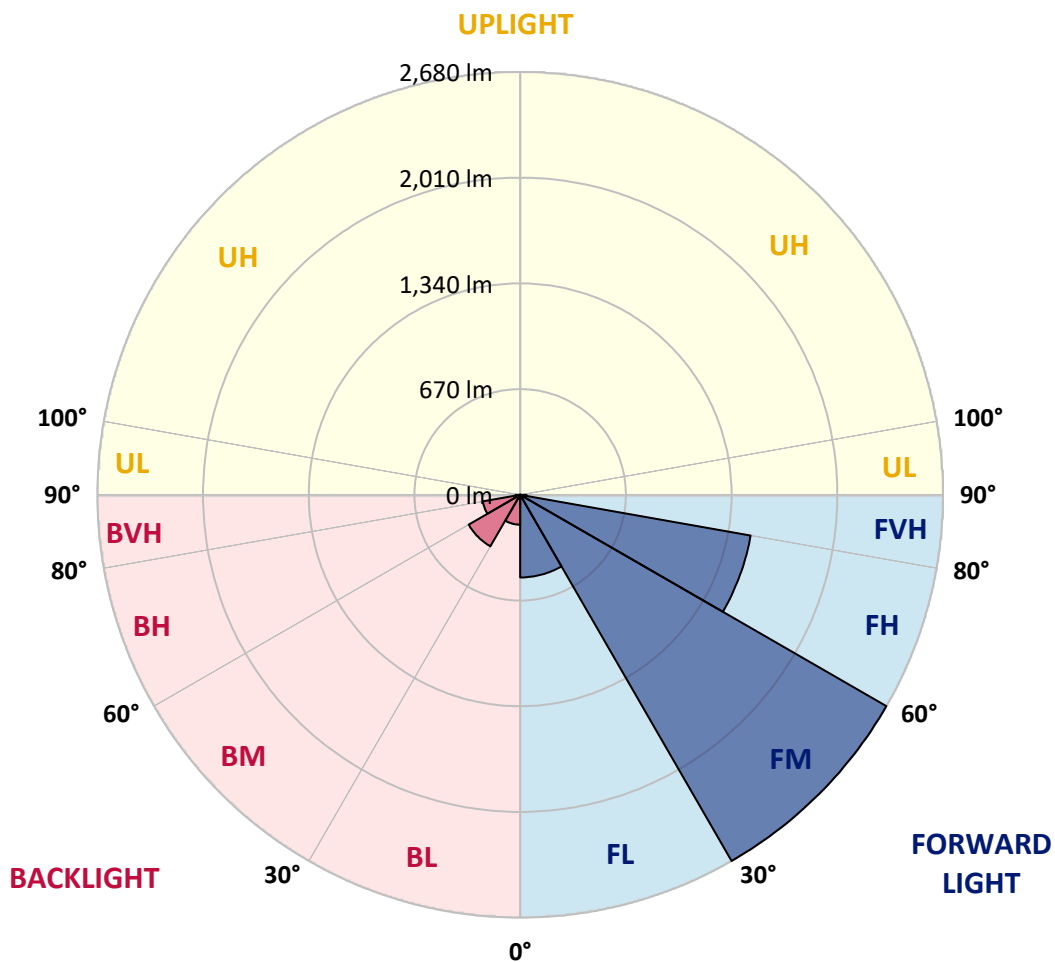
CATALOG NUMBER: NVN-AF-01-LED-U-T2R-7027

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 523.5  | 9.4       |                         |      |         |
| FM (30°-60°)   | 2679.5 | 48.2      |                         |      |         |
| FH (60°-80°)   | 1482.9 | 26.7      |                         |      | G1/1800 |
| FVH (80°-90°)  | 40.3   | 0.7       |                         |      | G1/100  |
| BL (0°-30°)    | 189.2  | 3.4       | B1/500                  |      |         |
| BM (30°-60°)   | 377.2  | 6.8       | B1/1000                 |      |         |
| BH (60°-80°)   | 240.2  | 4.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 29.2   | 0.5       |                         |      | 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 II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 57.5°  | 60°    | 62.5°  | 65°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 481.9  | 481.9  | 481.9  | 481.9  | 481.9  | 481.9  | 481.9  | 481.9  | 481.9  | 481.9  | 481.9  |
| 2.5°  | 606.9  | 599.8  | 600.4  | 590.5  | 576.1  | 560.2  | 547.0  | 539.9  | 534.0  | 532.2  | 522.3  |
| 5°    | 793.7  | 784.8  | 781.6  | 759.0  | 725.0  | 684.7  | 644.7  | 629.2  | 616.3  | 608.6  | 589.5  |
| 7.5°  | 946.5  | 942.0  | 937.7  | 916.8  | 883.2  | 831.6  | 767.2  | 744.1  | 722.9  | 699.5  | 676.6  |
| 10°   | 1050.5 | 1048.7 | 1047.0 | 1032.5 | 1004.6 | 959.6  | 890.2  | 865.1  | 838.6  | 808.8  | 778.8  |
| 12.5° | 1129.1 | 1129.1 | 1130.4 | 1118.5 | 1101.5 | 1066.7 | 1003.9 | 980.5  | 953.6  | 922.4  | 888.2  |
| 15°   | 1181.8 | 1183.2 | 1190.7 | 1194.1 | 1185.4 | 1163.0 | 1107.8 | 1087.3 | 1061.8 | 1031.1 | 997.1  |
| 17.5° | 1216.8 | 1219.7 | 1230.6 | 1242.3 | 1253.7 | 1245.8 | 1204.7 | 1185.8 | 1162.6 | 1134.4 | 1102.5 |
| 20°   | 1298.2 | 1294.6 | 1295.0 | 1291.6 | 1308.1 | 1314.1 | 1291.6 | 1275.6 | 1257.2 | 1231.3 | 1202.3 |
| 22.5° | 1469.1 | 1462.4 | 1445.1 | 1400.7 | 1380.7 | 1378.4 | 1365.1 | 1356.6 | 1342.4 | 1326.2 | 1297.2 |
| 25°   | 1692.0 | 1684.2 | 1649.8 | 1577.1 | 1516.9 | 1461.4 | 1436.6 | 1431.3 | 1422.0 | 1411.1 | 1390.1 |
| 27.5° | 1922.4 | 1913.8 | 1869.6 | 1777.7 | 1699.1 | 1586.9 | 1509.8 | 1502.8 | 1494.2 | 1489.6 | 1479.7 |
| 30°   | 2125.1 | 2115.9 | 2072.4 | 1979.0 | 1884.1 | 1750.3 | 1608.5 | 1583.7 | 1569.2 | 1570.6 | 1564.9 |
| 32.5° | 2303.1 | 2295.0 | 2246.1 | 2150.9 | 2054.8 | 1924.9 | 1736.7 | 1698.1 | 1665.5 | 1653.5 | 1657.7 |
| 35°   | 2452.5 | 2444.9 | 2391.6 | 2295.7 | 2198.7 | 2090.7 | 1901.5 | 1843.4 | 1790.4 | 1757.2 | 1753.2 |
| 37.5° | 2540.1 | 2535.9 | 2498.4 | 2417.0 | 2320.9 | 2241.5 | 2086.3 | 2021.7 | 1943.7 | 1895.2 | 1873.9 |
| 40°   | 2535.1 | 2539.8 | 2533.4 | 2496.6 | 2422.0 | 2364.2 | 2278.7 | 2215.0 | 2138.5 | 2066.5 | 2023.3 |
| 42.5° | 2463.1 | 2469.4 | 2498.0 | 2517.1 | 2497.0 | 2462.0 | 2446.8 | 2399.4 | 2330.7 | 2254.2 | 2194.5 |
| 45°   | 2363.9 | 2369.5 | 2406.7 | 2475.8 | 2533.4 | 2543.3 | 2593.9 | 2570.2 | 2512.2 | 2447.2 | 2381.2 |
| 47.5° | 2212.2 | 2223.1 | 2266.2 | 2375.9 | 2513.3 | 2608.8 | 2717.5 | 2728.4 | 2694.7 | 2640.9 | 2579.5 |
| 50°   | 1992.4 | 2007.0 | 2067.4 | 2223.5 | 2436.8 | 2676.1 | 2901.0 | 2942.8 | 2929.4 | 2874.8 | 2812.7 |
| 52.5° | 1767.3 | 1781.9 | 1862.5 | 2028.6 | 2313.8 | 2703.5 | 3081.8 | 3188.8 | 3265.9 | 3322.1 | 3333.2 |
| 55°   | 1533.1 | 1549.4 | 1637.9 | 1828.9 | 2149.6 | 2668.5 | 3211.0 | 3332.4 | 3410.5 | 3469.3 | 3493.0 |
| 57.5° | 1268.9 | 1287.2 | 1372.9 | 1566.0 | 1917.4 | 2527.8 | 3354.7 | 3526.7 | 3643.0 | 3733.6 | 3784.6 |
| 60°   | 965.6  | 988.7  | 1077.3 | 1272.0 | 1612.4 | 2258.2 | 3418.7 | 3673.1 | 3858.2 | 3994.0 | 4074.7 |
| 62.5° | 612.1  | 635.6  | 727.8  | 929.8  | 1265.4 | 1889.9 | 3237.5 | 3608.8 | 3924.3 | 4125.3 | 4273.1 |
| 65°   | 334.0  | 344.3  | 395.6  | 547.7  | 853.1  | 1466.3 | 2778.3 | 3216.0 | 3670.7 | 3955.4 | 4182.7 |
| 67.5° | 250.4  | 252.0  | 257.3  | 294.4  | 454.4  | 990.0  | 2172.2 | 2573.0 | 3078.0 | 3444.6 | 3715.8 |
| 70°   | 219.4  | 219.4  | 220.1  | 220.4  | 246.7  | 536.4  | 1471.6 | 1840.6 | 2303.4 | 2674.3 | 3011.5 |
| 72.5° | 196.6  | 194.7  | 193.9  | 189.6  | 193.1  | 274.9  | 801.1  | 1132.7 | 1522.8 | 1939.0 | 2253.6 |
| 75°   | 169.8  | 169.5  | 169.5  | 165.3  | 167.4  | 193.6  | 347.5  | 543.5  | 846.1  | 1233.5 | 1543.1 |
| 77.5° | 146.9  | 144.4  | 144.6  | 142.2  | 148.9  | 148.3  | 164.8  | 223.9  | 368.3  | 647.9  | 904.8  |
| 80°   | 121.0  | 119.3  | 120.4  | 118.8  | 129.4  | 109.8  | 111.1  | 136.9  | 183.0  | 284.1  | 400.6  |
| 82.5° | 89.6   | 90.2   | 96.9   | 96.3   | 109.0  | 73.9   | 81.3   | 102.2  | 123.2  | 141.6  | 153.9  |
| 85°   | 52.5   | 53.4   | 69.7   | 73.2   | 79.9   | 38.9   | 49.9   | 60.8   | 68.6   | 76.0   | 79.3   |
| 87.5° | 5.7    | 7.5    | 38.9   | 40.0   | 35.8   | 11.7   | 20.1   | 25.5   | 27.3   | 29.0   | 25.5   |
| 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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CATALOG NUMBER: NVN-AF-01-LED-U-T2R-7027

**CANDELA DISTRIBUTION (continued):**

|       | 67.5°  | 70°    | 72.5°  | 75°    | 77.5°  | 80°    | 85°    | 90°    | 95°   | 100°  | 102.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 0°    | 481.9  | 481.9  | 481.9  | 481.9  | 481.9  | 481.9  | 481.9  | 481.9  | 481.9 | 481.9 | 481.9  |
| 2.5°  | 519.1  | 514.5  | 509.5  | 506.6  | 501.8  | 497.5  | 489.7  | 483.4  | 476.2 | 471.3 | 469.2  |
| 5°    | 579.9  | 568.9  | 557.3  | 548.8  | 538.2  | 529.0  | 511.2  | 490.0  | 483.4 | 469.2 | 465.6  |
| 7.5°  | 659.1  | 639.4  | 619.6  | 603.3  | 584.8  | 569.6  | 539.9  | 501.8  | 496.9 | 474.1 | 469.2  |
| 10°   | 752.2  | 723.2  | 693.9  | 668.8  | 641.8  | 618.6  | 574.6  | 520.8  | 515.5 | 486.5 | 481.6  |
| 12.5° | 856.3  | 821.0  | 783.1  | 745.6  | 713.7  | 680.7  | 621.0  | 550.5  | 542.0 | 507.7 | 501.1  |
| 15°   | 963.5  | 925.3  | 881.3  | 836.1  | 796.8  | 753.3  | 678.0  | 589.5  | 573.8 | 533.6 | 524.4  |
| 17.5° | 1069.3 | 1027.9 | 981.8  | 931.4  | 885.3  | 833.3  | 739.6  | 632.9  | 606.0 | 559.0 | 547.3  |
| 20°   | 1171.5 | 1129.3 | 1080.9 | 1031.4 | 974.1  | 914.7  | 802.5  | 675.9  | 634.8 | 580.2 | 565.0  |
| 22.5° | 1264.6 | 1228.5 | 1180.1 | 1123.2 | 1065.0 | 998.1  | 866.5  | 718.6  | 659.9 | 596.6 | 577.2  |
| 25°   | 1362.5 | 1329.8 | 1281.6 | 1226.7 | 1159.2 | 1084.9 | 932.7  | 759.2  | 680.0 | 605.4 | 581.4  |
| 27.5° | 1461.7 | 1433.3 | 1388.2 | 1330.4 | 1257.8 | 1175.4 | 1000.0 | 796.8  | 696.4 | 608.2 | 579.2  |
| 30°   | 1567.5 | 1545.5 | 1503.9 | 1439.4 | 1366.1 | 1274.9 | 1073.1 | 833.6  | 706.5 | 604.3 | 569.6  |
| 32.5° | 1667.7 | 1666.8 | 1629.7 | 1563.0 | 1484.0 | 1383.5 | 1150.3 | 870.7  | 711.8 | 593.4 | 553.0  |
| 35°   | 1771.6 | 1786.1 | 1758.3 | 1694.6 | 1611.4 | 1499.9 | 1235.6 | 910.4  | 712.3 | 573.8 | 531.4  |
| 37.5° | 1889.9 | 1915.6 | 1903.2 | 1842.8 | 1755.4 | 1632.6 | 1335.7 | 955.0  | 710.1 | 547.0 | 499.9  |
| 40°   | 2024.3 | 2059.6 | 2059.4 | 2008.3 | 1914.9 | 1781.2 | 1452.1 | 1004.8 | 705.2 | 513.4 | 462.7  |
| 42.5° | 2178.2 | 2220.3 | 2232.0 | 2181.8 | 2087.2 | 1943.7 | 1585.5 | 1059.7 | 697.4 | 480.1 | 423.6  |
| 45°   | 2354.4 | 2391.6 | 2413.4 | 2366.8 | 2272.0 | 2120.4 | 1738.7 | 1122.1 | 687.8 | 437.4 | 378.5  |
| 47.5° | 2543.0 | 2586.1 | 2619.1 | 2579.0 | 2477.9 | 2322.2 | 1920.2 | 1202.3 | 684.2 | 388.4 | 330.1  |
| 50°   | 2776.9 | 2821.4 | 2892.5 | 2874.5 | 2819.1 | 2693.7 | 2304.2 | 1392.0 | 685.8 | 342.2 | 289.4  |
| 52.5° | 3357.1 | 3459.5 | 3549.3 | 3509.3 | 3377.3 | 3162.6 | 2616.3 | 1497.5 | 656.0 | 304.3 | 261.1  |
| 55°   | 3532.2 | 3648.3 | 3781.1 | 3764.3 | 3637.7 | 3421.1 | 2862.9 | 1585.5 | 627.3 | 276.7 | 242.7  |
| 57.5° | 3838.6 | 3975.7 | 4161.0 | 4157.5 | 4002.2 | 3758.4 | 3180.2 | 1691.0 | 615.0 | 260.8 | 233.5  |
| 60°   | 4163.1 | 4337.6 | 4593.8 | 4633.7 | 4464.9 | 4211.3 | 3555.3 | 1820.4 | 616.7 | 252.0 | 228.2  |
| 62.5° | 4400.3 | 4656.1 | 5028.6 | 5148.2 | 4949.4 | 4669.8 | 3944.5 | 1950.0 | 606.0 | 241.6 | 221.8  |
| 65°   | 4414.7 | 4783.0 | 5311.7 | 5497.8 | 5296.4 | 4937.4 | 4081.8 | 1924.4 | 542.4 | 227.9 | 211.6  |
| 67.5° | 4060.9 | 4540.8 | 5183.0 | 5387.0 | 5181.2 | 4772.4 | 3841.2 | 1682.4 | 440.9 | 203.8 | 193.9  |
| 70°   | 3382.3 | 3939.2 | 4605.8 | 4833.3 | 4663.1 | 4249.5 | 3343.0 | 1343.9 | 329.4 | 171.9 | 167.4  |
| 72.5° | 2613.8 | 3133.2 | 3738.6 | 3949.0 | 3819.0 | 3455.2 | 2636.7 | 979.4  | 235.3 | 139.3 | 135.9  |
| 75°   | 1868.6 | 2310.9 | 2750.3 | 2830.6 | 2702.2 | 2368.2 | 1710.8 | 611.7  | 164.8 | 114.3 | 109.4  |
| 77.5° | 1157.0 | 1444.7 | 1602.4 | 1499.2 | 1335.4 | 1109.9 | 696.4  | 302.2  | 109.8 | 93.1  | 88.2   |
| 80°   | 513.4  | 602.6  | 562.6  | 501.3  | 396.0  | 325.5  | 212.7  | 134.0  | 70.7  | 71.9  | 69.0   |
| 82.5° | 172.7  | 182.5  | 177.7  | 176.5  | 159.2  | 139.3  | 90.2   | 58.0   | 39.6  | 46.1  | 44.9   |
| 85°   | 84.3   | 88.2   | 88.5   | 91.6   | 79.6   | 62.0   | 24.4   | 22.9   | 17.0  | 24.8  | 25.8   |
| 87.5° | 25.5   | 25.8   | 23.4   | 25.5   | 20.5   | 14.2   | 4.6    | 6.4    | 3.1   | 6.0   | 6.0    |
| 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):**

|       | 105°  | 107.5° | 110°  | 112.5° | 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  |
|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 0°    | 481.9 | 481.9  | 481.9 | 481.9  | 481.9 | 481.9  | 481.9 | 481.9  | 481.9 | 481.9  | 481.9 |
| 2.5°  | 465.3 | 463.9  | 461.4 | 458.6  | 457.9 | 454.4  | 453.3 | 451.5  | 450.4 | 448.7  | 447.3 |
| 5°    | 461.0 | 458.6  | 455.7 | 452.6  | 452.6 | 447.5  | 445.5 | 443.4  | 443.4 | 440.2  | 438.7 |
| 7.5°  | 465.3 | 462.1  | 458.9 | 456.1  | 457.1 | 451.5  | 449.3 | 447.3  | 446.8 | 443.8  | 442.2 |
| 10°   | 477.3 | 474.1  | 470.3 | 467.4  | 466.3 | 461.8  | 459.3 | 456.1  | 454.0 | 451.8  | 449.7 |
| 12.5° | 495.8 | 491.5  | 486.5 | 480.6  | 478.0 | 474.1  | 470.3 | 466.0  | 461.0 | 458.9  | 455.7 |
| 15°   | 517.7 | 510.5  | 503.9 | 496.5  | 489.7 | 485.9  | 480.6 | 473.8  | 467.1 | 464.2  | 460.0 |
| 17.5° | 535.7 | 528.3  | 518.7 | 509.9  | 497.8 | 494.6  | 487.2 | 479.1  | 468.1 | 467.1  | 460.7 |
| 20°   | 550.9 | 539.6  | 527.9 | 517.3  | 498.9 | 497.1  | 487.9 | 478.3  | 462.7 | 462.7  | 455.0 |
| 22.5° | 559.5 | 543.8  | 530.0 | 515.8  | 492.9 | 491.5  | 480.9 | 469.5  | 450.4 | 451.0  | 441.5 |
| 25°   | 560.8 | 542.0  | 524.7 | 507.7  | 481.2 | 478.7  | 465.3 | 452.8  | 432.1 | 430.6  | 420.6 |
| 27.5° | 555.2 | 533.2  | 513.0 | 492.5  | 463.9 | 458.6  | 443.8 | 428.9  | 408.3 | 404.7  | 394.1 |
| 30°   | 542.0 | 516.3  | 493.6 | 470.0  | 439.8 | 431.4  | 415.7 | 400.6  | 379.7 | 375.0  | 365.2 |
| 32.5° | 521.1 | 491.8  | 466.7 | 443.0  | 409.7 | 399.1  | 383.5 | 368.3  | 348.2 | 344.6  | 335.4 |
| 35°   | 493.6 | 460.7  | 434.2 | 409.0  | 375.9 | 364.8  | 349.9 | 336.4  | 318.1 | 316.7  | 310.4 |
| 37.5° | 458.9 | 424.5  | 396.3 | 372.3  | 340.7 | 335.1  | 319.8 | 309.9  | 294.7 | 296.1  | 292.9 |
| 40°   | 419.7 | 384.7  | 357.7 | 336.4  | 309.2 | 304.3  | 295.2 | 287.6  | 274.6 | 278.5  | 278.8 |
| 42.5° | 380.1 | 344.9  | 320.5 | 301.6  | 278.1 | 274.9  | 268.6 | 264.3  | 254.4 | 262.1  | 265.4 |
| 45°   | 335.1 | 302.5  | 281.7 | 267.2  | 249.8 | 249.8  | 246.7 | 246.2  | 239.6 | 250.4  | 253.7 |
| 47.5° | 291.6 | 266.1  | 251.5 | 242.7  | 230.8 | 236.3  | 235.3 | 238.1  | 233.2 | 244.5  | 247.4 |
| 50°   | 258.6 | 240.9  | 232.1 | 227.9  | 219.4 | 228.2  | 230.3 | 234.3  | 230.0 | 239.8  | 242.1 |
| 52.5° | 237.8 | 226.2  | 221.2 | 220.1  | 214.1 | 225.0  | 228.6 | 232.1  | 227.1 | 236.3  | 236.1 |
| 55°   | 226.2 | 218.3  | 216.5 | 218.6  | 214.1 | 224.7  | 228.2 | 230.8  | 226.5 | 232.8  | 232.5 |
| 57.5° | 221.8 | 217.6  | 218.6 | 221.8  | 218.6 | 227.5  | 229.2 | 232.1  | 227.9 | 230.8  | 232.1 |
| 60°   | 221.5 | 221.5  | 225.7 | 230.0  | 227.9 | 234.3  | 235.3 | 234.9  | 231.0 | 231.5  | 232.1 |
| 62.5° | 219.4 | 224.7  | 231.8 | 238.5  | 237.8 | 245.5  | 246.2 | 241.6  | 238.5 | 234.9  | 233.9 |
| 65°   | 212.7 | 221.5  | 231.8 | 240.9  | 242.4 | 254.4  | 255.7 | 251.3  | 249.1 | 243.1  | 238.5 |
| 67.5° | 197.7 | 209.1  | 221.2 | 232.5  | 234.9 | 251.3  | 254.4 | 256.1  | 257.3 | 253.3  | 247.4 |
| 70°   | 172.7 | 184.3  | 196.6 | 209.8  | 213.3 | 231.5  | 238.1 | 246.2  | 252.7 | 258.4  | 256.1 |
| 72.5° | 140.4 | 151.1  | 161.8 | 173.7  | 179.0 | 197.7  | 206.6 | 220.9  | 230.8 | 245.1  | 251.3 |
| 75°   | 111.5 | 117.8  | 124.1 | 131.6  | 135.9 | 154.2  | 165.3 | 182.3  | 195.7 | 215.9  | 229.2 |
| 77.5° | 87.8  | 91.0   | 94.1  | 97.2   | 99.1  | 109.4  | 118.1 | 135.1  | 150.7 | 176.2  | 196.0 |
| 80°   | 67.6  | 69.3   | 69.7  | 70.7   | 70.1  | 75.0   | 78.2  | 88.5   | 101.9 | 127.0  | 150.3 |
| 82.5° | 43.5  | 44.9   | 45.6  | 47.4   | 43.8  | 50.2   | 52.5  | 53.4   | 60.5  | 79.0   | 95.5  |
| 85°   | 24.4  | 24.8   | 25.2  | 25.8   | 20.9  | 27.3   | 27.6  | 25.8   | 25.2  | 32.6   | 36.8  |
| 87.5° | 6.0   | 5.7    | 6.0   | 6.0    | 2.4   | 5.7    | 5.7   | 4.0    | 2.9   | 5.3    | 4.2   |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5°  | 444.0 | 443.4 | 443.8 | 442.0 | 441.2 | 441.5 |
| 5°    | 436.9 | 435.6 | 435.6 | 434.5 | 433.2 | 433.2 |
| 7.5°  | 440.2 | 437.4 | 436.2 | 434.2 | 432.1 | 432.4 |
| 10°   | 445.1 | 440.2 | 436.7 | 433.4 | 430.9 | 430.9 |
| 12.5° | 448.3 | 439.5 | 434.2 | 429.8 | 427.1 | 427.1 |
| 15°   | 449.1 | 435.6 | 427.9 | 423.2 | 420.3 | 420.3 |
| 17.5° | 444.8 | 427.9 | 417.9 | 411.9 | 408.6 | 409.4 |
| 20°   | 434.2 | 413.3 | 401.6 | 395.3 | 392.0 | 392.4 |
| 22.5° | 417.5 | 393.5 | 380.1 | 372.5 | 369.5 | 369.5 |
| 25°   | 394.9 | 368.7 | 354.2 | 348.2 | 345.4 | 345.4 |
| 27.5° | 369.1 | 342.2 | 329.4 | 324.7 | 323.0 | 323.0 |
| 30°   | 340.0 | 317.7 | 308.6 | 305.3 | 302.5 | 302.5 |
| 32.5° | 315.7 | 299.7 | 296.5 | 292.3 | 284.9 | 284.5 |
| 35°   | 296.1 | 294.4 | 291.9 | 279.2 | 268.6 | 267.2 |
| 37.5° | 285.5 | 296.1 | 280.6 | 258.6 | 250.2 | 249.8 |
| 40°   | 279.9 | 289.9 | 262.9 | 252.2 | 251.3 | 251.3 |
| 42.5° | 266.4 | 273.5 | 261.9 | 255.7 | 255.7 | 256.1 |
| 45°   | 252.2 | 258.4 | 264.3 | 259.0 | 260.8 | 261.1 |
| 47.5° | 242.4 | 254.4 | 264.3 | 259.7 | 263.3 | 265.4 |
| 50°   | 233.2 | 250.8 | 259.0 | 259.0 | 262.9 | 263.3 |
| 52.5° | 231.0 | 246.0 | 254.0 | 258.0 | 258.4 | 256.6 |
| 55°   | 231.5 | 242.1 | 250.2 | 255.1 | 253.1 | 253.1 |
| 57.5° | 231.0 | 239.8 | 246.9 | 248.7 | 249.8 | 249.8 |
| 60°   | 231.5 | 237.1 | 242.7 | 242.1 | 245.5 | 245.5 |
| 62.5° | 232.5 | 233.2 | 236.1 | 235.3 | 240.6 | 240.6 |
| 65°   | 234.9 | 228.2 | 226.5 | 227.1 | 233.5 | 233.2 |
| 67.5° | 239.6 | 221.5 | 215.9 | 216.2 | 225.4 | 223.9 |
| 70°   | 246.2 | 212.3 | 203.8 | 201.7 | 217.3 | 214.8 |
| 72.5° | 248.4 | 201.7 | 188.3 | 186.0 | 195.3 | 188.3 |
| 75°   | 238.5 | 193.1 | 171.5 | 164.5 | 160.6 | 158.6 |
| 77.5° | 212.7 | 187.8 | 154.2 | 139.3 | 133.4 | 132.1 |
| 80°   | 176.2 | 177.0 | 131.6 | 113.9 | 132.3 | 132.1 |
| 82.5° | 133.0 | 152.8 | 105.5 | 98.8  | 95.8  | 79.9  |
| 85°   | 64.4  | 115.1 | 81.0  | 67.9  | 40.8  | 38.5  |
| 87.5° | 5.7   | 48.1  | 46.7  | 30.5  | 13.8  | 13.0  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)