

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: P195733

Luminaire Tested: **NVN-AF-01-LED-U-SLL-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P195733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24264)
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-SLL-7050
Description: NAVION ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5396 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

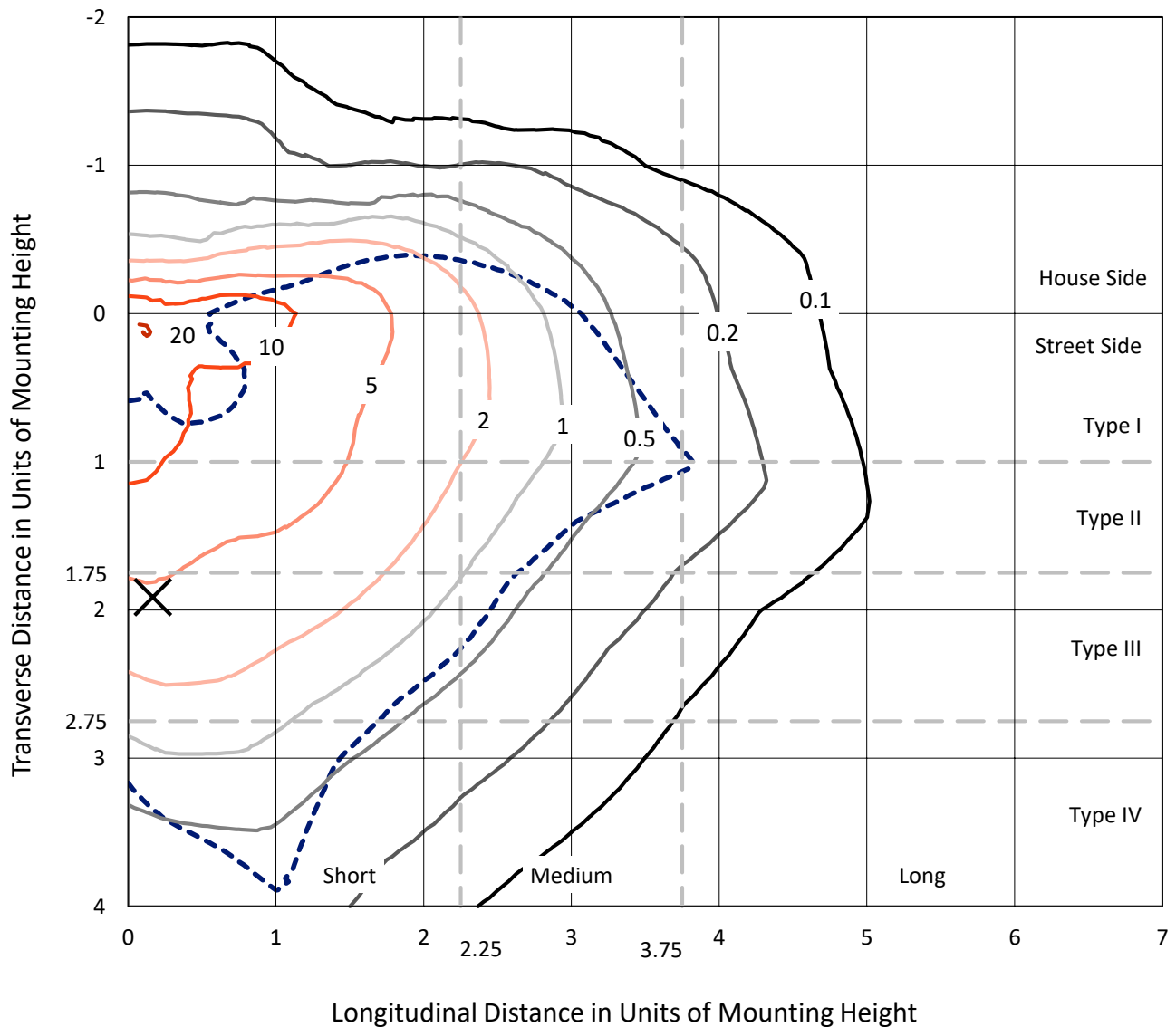
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

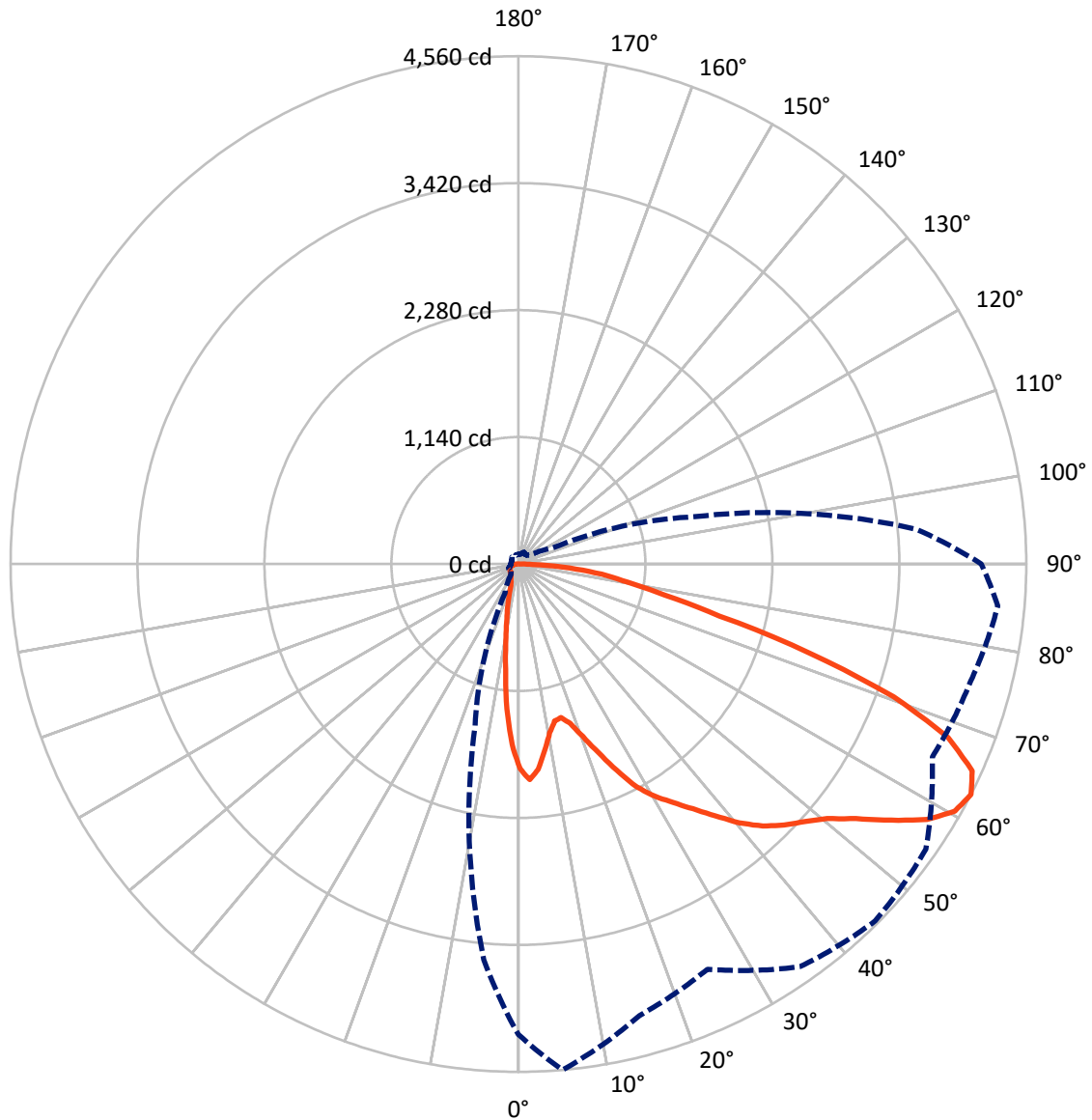


Based on 10 foot mounting height. Maximum calculated value = 21.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 955.9 | 0.0 | 955.9 |
| | % Fixture | 17.7 | 0.0 | 17.7 |
| Street Side | Lumens | 4440.1 | 0.0 | 4440.1 |
| | % Fixture | 82.3 | 0.0 | 82.3 |
| Total | Lumens | 5396.0 | 0.0 | 5396.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 133.8 | 2.5 |
| 10°-20° | 244.4 | 4.5 |
| 20°-30° | 351.5 | 6.5 |
| 30°-40° | 538.3 | 10.0 |
| 40°-50° | 787.0 | 14.6 |
| 50°-60° | 1145.1 | 21.2 |
| 60°-70° | 1326.7 | 24.6 |
| 70°-80° | 691.6 | 12.8 |
| 80°-90° | 177.8 | 3.3 |
| 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° | 5396.0 | 100.0 |
| 0°-180° | 5396.0 | 100.0 |

Coefficient of Utilization



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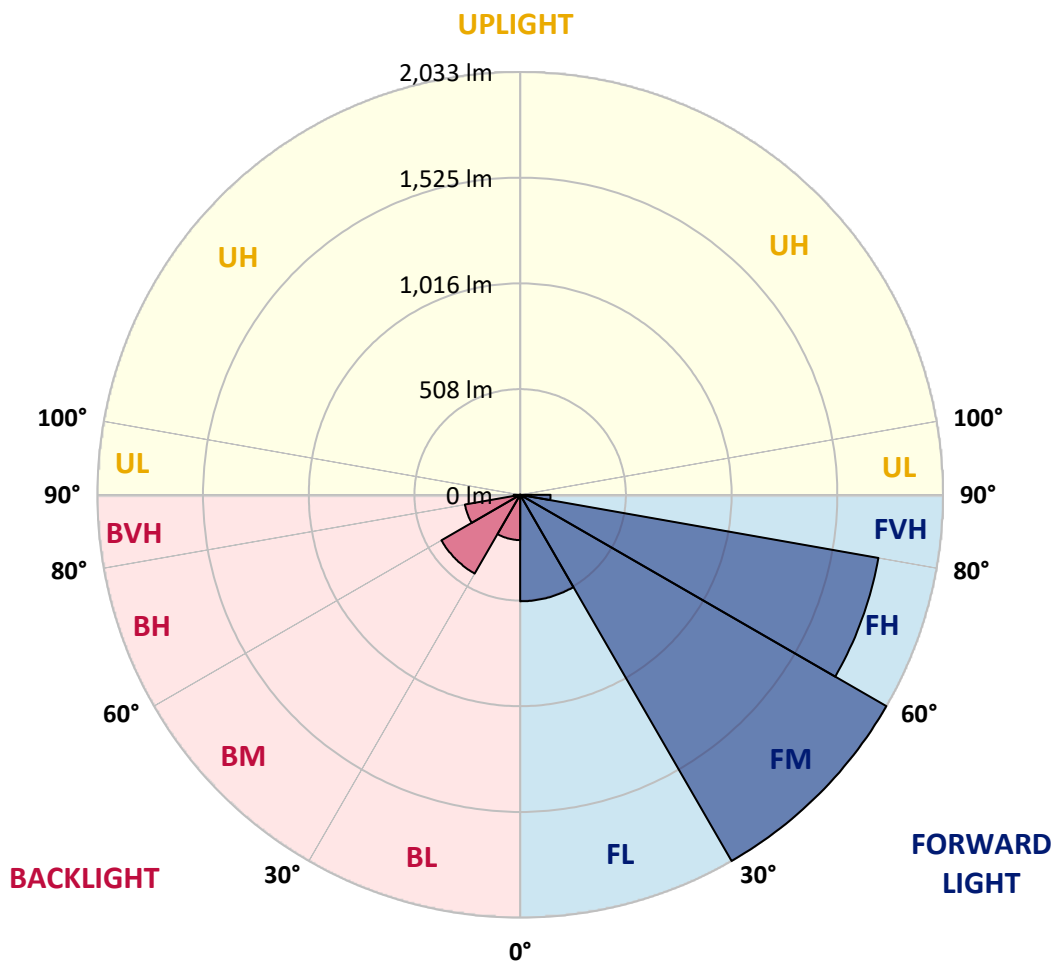
CATALOG NUMBER: NVN-AF-01-LED-U-SLL-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 512.1 | 9.5 | | | |
| FM | (30°-60°) | 2033.0 | 37.7 | | | |
| FH | (60°-80°) | 1748.8 | 32.4 | | | G1/1800 |
| FVH | (80°-90°) | 146.3 | 2.7 | | | G2/225 |
| BL | (0°-30°) | 217.5 | 4.0 | B1/500 | | |
| BM | (30°-60°) | 437.4 | 8.1 | B1/1000 | | |
| BH | (60°-80°) | 269.5 | 5.0 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 31.5 | 0.6 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 |
| 2.5° | 1899.1 | 1939.4 | 1985.5 | 2045.8 | 2086.9 | 2103.3 | 2117.0 | 2093.9 | 2071.6 | 2029.7 | 2014.9 |
| 5° | 1773.9 | 1851.3 | 1978.5 | 2099.4 | 2205.8 | 2266.8 | 2285.6 | 2243.0 | 2167.1 | 2057.5 | 1999.6 |
| 7.5° | 1588.0 | 1690.2 | 1868.9 | 2047.0 | 2199.5 | 2301.3 | 2308.7 | 2224.2 | 2074.7 | 1895.2 | 1801.3 |
| 10° | 1425.7 | 1541.1 | 1748.1 | 1947.2 | 2108.8 | 2212.8 | 2192.5 | 2074.0 | 1893.6 | 1689.4 | 1583.3 |
| 12.5° | 1331.4 | 1446.8 | 1657.7 | 1859.9 | 2012.1 | 2051.7 | 2010.2 | 1910.4 | 1739.4 | 1534.8 | 1428.0 |
| 15° | 1311.4 | 1430.4 | 1625.6 | 1796.2 | 1890.5 | 1865.0 | 1824.0 | 1773.5 | 1651.8 | 1484.4 | 1381.1 |
| 17.5° | 1371.7 | 1504.7 | 1668.2 | 1761.7 | 1757.8 | 1696.8 | 1662.4 | 1672.2 | 1651.4 | 1539.1 | 1431.2 |
| 20° | 1495.7 | 1653.0 | 1776.6 | 1752.4 | 1652.2 | 1566.5 | 1546.6 | 1623.2 | 1719.1 | 1676.5 | 1557.9 |
| 22.5° | 1658.9 | 1838.0 | 1924.5 | 1779.4 | 1597.0 | 1504.7 | 1500.8 | 1620.5 | 1842.3 | 1884.2 | 1739.8 |
| 25° | 1843.1 | 2052.0 | 2073.6 | 1827.1 | 1591.2 | 1499.2 | 1495.7 | 1662.8 | 1990.6 | 2090.0 | 1943.7 |
| 27.5° | 2068.5 | 2268.0 | 2198.0 | 1890.9 | 1617.0 | 1515.3 | 1517.6 | 1734.8 | 2145.2 | 2293.4 | 2173.3 |
| 30° | 2238.3 | 2421.4 | 2274.7 | 1953.5 | 1658.5 | 1543.4 | 1549.3 | 1812.6 | 2228.5 | 2434.7 | 2356.8 |
| 32.5° | 2397.1 | 2552.4 | 2348.2 | 2015.3 | 1719.1 | 1585.3 | 1605.6 | 1909.6 | 2328.7 | 2556.0 | 2530.1 |
| 35° | 2572.8 | 2699.2 | 2430.0 | 2081.4 | 1806.0 | 1658.9 | 1688.2 | 2002.0 | 2428.0 | 2677.2 | 2701.9 |
| 37.5° | 2771.9 | 2867.0 | 2518.8 | 2174.9 | 1931.2 | 1795.0 | 1811.4 | 2096.3 | 2497.3 | 2811.4 | 2886.2 |
| 40° | 2979.3 | 3055.2 | 2615.8 | 2299.7 | 2113.1 | 1978.9 | 1986.7 | 2217.1 | 2551.7 | 2950.3 | 3065.0 |
| 42.5° | 3157.3 | 3216.4 | 2713.2 | 2454.6 | 2322.0 | 2166.3 | 2172.9 | 2347.4 | 2603.7 | 3070.0 | 3208.2 |
| 45° | 3299.7 | 3343.1 | 2805.2 | 2617.8 | 2545.0 | 2400.2 | 2398.7 | 2480.1 | 2673.3 | 3171.0 | 3318.1 |
| 47.5° | 3432.3 | 3455.4 | 2907.7 | 2776.6 | 2776.2 | 2701.5 | 2645.6 | 2636.6 | 2766.1 | 3255.9 | 3413.9 |
| 50° | 3584.1 | 3592.7 | 3043.1 | 2937.0 | 3058.7 | 3047.0 | 2943.7 | 2835.3 | 2886.2 | 3351.3 | 3514.5 |
| 52.5° | 3795.4 | 3795.8 | 3210.9 | 3093.5 | 3370.5 | 3407.7 | 3287.6 | 3060.3 | 3063.8 | 3537.2 | 3688.2 |
| 55° | 4043.8 | 4061.1 | 3429.6 | 3280.9 | 3696.8 | 3760.2 | 3647.1 | 3327.5 | 3318.9 | 3836.9 | 3969.9 |
| 57.5° | 4235.9 | 4327.1 | 3684.3 | 3515.3 | 4001.6 | 4084.1 | 3993.0 | 3604.5 | 3632.3 | 4146.0 | 4202.3 |
| 60° | 4289.9 | 4503.2 | 3938.2 | 3778.2 | 4259.4 | 4383.4 | 4290.7 | 3903.8 | 3939.0 | 4346.7 | 4269.2 |
| 62.5° | 4225.4 | 4559.9 | 4196.8 | 4013.7 | 4412.4 | 4531.3 | 4464.8 | 4099.8 | 4189.0 | 4320.8 | 4156.1 |
| 65° | 4034.1 | 4477.7 | 4421.4 | 4113.9 | 4324.4 | 4366.6 | 4349.0 | 4110.0 | 4324.8 | 4076.7 | 3843.5 |
| 67.5° | 3587.3 | 4160.8 | 4321.2 | 3899.9 | 3913.2 | 3867.8 | 3844.7 | 3830.6 | 4172.2 | 3682.7 | 3350.6 |
| 70° | 2917.5 | 3575.1 | 3843.5 | 3263.7 | 3165.1 | 3121.3 | 3045.4 | 3233.2 | 3750.0 | 3137.7 | 2757.4 |
| 72.5° | 2247.3 | 2735.1 | 3152.6 | 2474.2 | 2269.2 | 2284.1 | 2198.0 | 2472.2 | 3106.4 | 2425.7 | 2105.3 |
| 75° | 1595.9 | 1865.0 | 2516.4 | 1777.8 | 1506.3 | 1505.5 | 1498.8 | 1779.4 | 2451.1 | 1741.0 | 1540.3 |
| 77.5° | 1150.2 | 1342.7 | 1971.5 | 1189.8 | 1068.9 | 1082.6 | 1060.6 | 1209.3 | 1910.8 | 1252.4 | 1141.2 |
| 80° | 917.5 | 994.1 | 1274.3 | 793.4 | 795.8 | 827.9 | 823.2 | 827.1 | 1257.0 | 906.9 | 853.3 |
| 82.5° | 659.2 | 754.7 | 974.2 | 608.0 | 526.2 | 560.3 | 566.9 | 613.5 | 886.9 | 641.2 | 562.6 |
| 85° | 338.0 | 460.1 | 896.3 | 526.6 | 329.0 | 272.7 | 313.8 | 484.0 | 770.3 | 384.2 | 274.3 |
| 87.5° | 65.7 | 127.5 | 656.9 | 292.6 | 147.9 | 74.7 | 123.2 | 205.0 | 448.0 | 69.6 | 34.0 |
| 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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CATALOG NUMBER: NVN-AF-01-LED-U-SLL-7050

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 |
| 2.5° | 1989.4 | 1939.4 | 1892.4 | 1843.9 | 1806.3 | 1760.6 | 1715.6 | 1676.5 | 1638.5 | 1613.5 | 1621.3 |
| 5° | 1940.9 | 1818.9 | 1709.3 | 1607.6 | 1548.1 | 1476.5 | 1412.8 | 1359.2 | 1317.7 | 1291.1 | 1307.1 |
| 7.5° | 1719.9 | 1554.8 | 1410.4 | 1276.2 | 1191.7 | 1099.0 | 1024.7 | 972.2 | 940.1 | 922.1 | 948.4 |
| 10° | 1493.7 | 1308.3 | 1146.3 | 1006.7 | 923.3 | 844.7 | 777.4 | 721.8 | 678.8 | 658.5 | 669.0 |
| 12.5° | 1331.8 | 1125.6 | 955.8 | 861.9 | 790.3 | 719.9 | 650.2 | 585.3 | 530.5 | 505.5 | 500.4 |
| 15° | 1271.1 | 1027.4 | 854.1 | 749.2 | 678.0 | 601.3 | 526.2 | 456.6 | 404.5 | 383.0 | 378.3 |
| 17.5° | 1297.7 | 1006.3 | 793.8 | 669.8 | 566.5 | 473.4 | 388.9 | 323.2 | 284.8 | 272.7 | 273.9 |
| 20° | 1391.2 | 1014.1 | 745.3 | 588.0 | 460.5 | 350.2 | 265.7 | 220.3 | 203.8 | 201.1 | 204.2 |
| 22.5° | 1519.6 | 1046.2 | 710.1 | 517.6 | 367.0 | 254.7 | 197.6 | 176.1 | 171.8 | 171.4 | 174.5 |
| 25° | 1689.0 | 1108.8 | 686.6 | 455.0 | 289.9 | 201.9 | 172.1 | 160.0 | 156.5 | 157.3 | 160.4 |
| 27.5° | 1888.5 | 1188.2 | 671.4 | 401.0 | 238.3 | 180.0 | 160.8 | 150.2 | 146.7 | 147.5 | 149.8 |
| 30° | 2070.8 | 1257.8 | 648.7 | 360.3 | 214.0 | 172.1 | 154.5 | 144.0 | 139.3 | 139.3 | 140.8 |
| 32.5° | 2234.0 | 1318.1 | 622.1 | 329.8 | 191.7 | 154.5 | 140.1 | 131.8 | 128.3 | 129.5 | 130.3 |
| 35° | 2378.7 | 1349.8 | 601.3 | 311.8 | 173.7 | 142.4 | 127.9 | 119.3 | 114.6 | 115.4 | 116.6 |
| 37.5° | 2521.1 | 1361.9 | 587.6 | 302.0 | 160.8 | 135.0 | 121.7 | 114.6 | 109.5 | 108.8 | 108.4 |
| 40° | 2656.5 | 1359.2 | 574.7 | 299.3 | 152.2 | 129.5 | 117.8 | 111.5 | 106.4 | 105.2 | 104.9 |
| 42.5° | 2773.5 | 1350.2 | 562.6 | 291.9 | 146.3 | 125.6 | 114.6 | 109.2 | 104.1 | 102.5 | 101.7 |
| 45° | 2880.3 | 1344.7 | 549.3 | 278.2 | 149.5 | 124.0 | 113.1 | 107.2 | 102.5 | 100.5 | 99.8 |
| 47.5° | 2998.8 | 1364.2 | 534.4 | 263.3 | 148.7 | 124.4 | 113.1 | 106.4 | 101.7 | 99.8 | 99.0 |
| 50° | 3140.1 | 1430.4 | 516.0 | 243.0 | 141.6 | 133.0 | 112.7 | 105.2 | 100.9 | 99.8 | 98.2 |
| 52.5° | 3339.6 | 1537.6 | 490.6 | 216.7 | 136.2 | 142.0 | 112.3 | 103.3 | 99.8 | 97.8 | 95.9 |
| 55° | 3613.1 | 1644.8 | 457.7 | 189.0 | 127.5 | 135.8 | 113.1 | 100.9 | 97.0 | 95.1 | 92.7 |
| 57.5° | 3837.3 | 1726.1 | 416.3 | 165.9 | 119.7 | 128.3 | 111.9 | 98.2 | 93.9 | 91.9 | 90.0 |
| 60° | 3822.8 | 1734.0 | 376.8 | 151.0 | 115.0 | 115.4 | 114.6 | 96.2 | 91.2 | 89.6 | 88.0 |
| 62.5° | 3586.1 | 1637.3 | 340.0 | 143.6 | 111.5 | 105.2 | 117.0 | 93.9 | 88.4 | 86.9 | 85.7 |
| 65° | 3192.1 | 1412.4 | 320.4 | 143.6 | 108.4 | 99.8 | 102.1 | 90.8 | 85.7 | 84.1 | 83.3 |
| 67.5° | 2692.5 | 1135.0 | 302.0 | 146.7 | 104.1 | 95.9 | 92.7 | 87.6 | 82.9 | 81.4 | 80.6 |
| 70° | 2158.1 | 893.2 | 289.1 | 145.1 | 100.2 | 91.5 | 87.6 | 83.3 | 78.6 | 78.2 | 77.5 |
| 72.5° | 1692.9 | 717.5 | 283.3 | 145.1 | 94.3 | 86.5 | 82.6 | 79.4 | 74.7 | 74.3 | 73.2 |
| 75° | 1356.4 | 538.7 | 259.0 | 142.4 | 88.4 | 79.8 | 76.3 | 73.6 | 68.9 | 69.2 | 68.5 |
| 77.5° | 1050.5 | 381.1 | 216.4 | 128.3 | 81.0 | 72.4 | 69.6 | 67.7 | 62.2 | 62.6 | 62.6 |
| 80° | 821.6 | 248.0 | 167.8 | 106.4 | 72.4 | 63.8 | 61.8 | 60.3 | 54.4 | 55.2 | 55.2 |
| 82.5° | 563.0 | 147.5 | 121.7 | 85.7 | 62.2 | 54.4 | 54.0 | 51.6 | 45.4 | 45.8 | 46.6 |
| 85° | 307.5 | 97.0 | 81.0 | 63.4 | 48.9 | 44.2 | 43.4 | 42.3 | 36.4 | 36.4 | 36.8 |
| 87.5° | 56.7 | 52.0 | 47.7 | 41.9 | 32.9 | 31.7 | 30.5 | 31.7 | 27.4 | 26.6 | 26.6 |
| 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-SLL-7050

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 |
| 2.5° | 1602.9 | 1575.9 | 1557.1 | 1540.7 | 1501.2 | 1503.9 | 1509.4 | 1517.2 | 1492.6 | 1505.5 | 1521.5 |
| 5° | 1291.1 | 1268.8 | 1252.0 | 1225.8 | 1170.6 | 1151.0 | 1138.5 | 1133.0 | 1096.3 | 1104.1 | 1121.3 |
| 7.5° | 951.9 | 951.5 | 945.6 | 916.3 | 849.8 | 809.5 | 782.9 | 774.7 | 752.0 | 760.6 | 786.8 |
| 10° | 670.2 | 677.2 | 674.5 | 648.3 | 588.8 | 559.9 | 554.0 | 570.4 | 570.8 | 587.6 | 632.6 |
| 12.5° | 484.4 | 480.4 | 476.9 | 455.4 | 410.8 | 406.1 | 419.4 | 442.1 | 447.6 | 465.6 | 512.5 |
| 15° | 361.5 | 352.1 | 350.2 | 333.3 | 304.0 | 308.3 | 318.1 | 329.8 | 330.2 | 342.7 | 381.5 |
| 17.5° | 271.1 | 271.1 | 274.3 | 263.3 | 242.2 | 240.2 | 235.1 | 232.0 | 227.3 | 232.4 | 253.5 |
| 20° | 210.5 | 220.3 | 228.1 | 221.8 | 202.7 | 193.3 | 183.5 | 177.2 | 173.7 | 174.1 | 180.4 |
| 22.5° | 180.4 | 188.2 | 198.4 | 195.2 | 179.2 | 167.1 | 160.8 | 156.5 | 153.8 | 153.8 | 157.3 |
| 25° | 165.1 | 170.2 | 179.6 | 178.0 | 164.3 | 154.5 | 149.5 | 145.1 | 142.0 | 141.6 | 145.1 |
| 27.5° | 153.0 | 156.1 | 162.4 | 161.6 | 147.5 | 141.2 | 138.1 | 135.4 | 133.4 | 133.0 | 136.5 |
| 30° | 142.0 | 143.6 | 146.7 | 145.5 | 135.0 | 128.7 | 127.5 | 126.4 | 125.2 | 125.6 | 130.7 |
| 32.5° | 132.2 | 133.4 | 135.4 | 133.8 | 123.6 | 118.2 | 116.2 | 114.6 | 113.5 | 114.6 | 120.5 |
| 35° | 121.3 | 124.8 | 127.2 | 126.4 | 115.4 | 108.8 | 104.5 | 100.5 | 99.0 | 100.2 | 106.8 |
| 37.5° | 111.9 | 117.8 | 120.9 | 120.1 | 108.8 | 100.9 | 95.5 | 94.7 | 94.7 | 96.2 | 102.9 |
| 40° | 108.4 | 112.7 | 115.4 | 114.2 | 102.9 | 95.1 | 91.9 | 90.8 | 91.2 | 92.7 | 99.8 |
| 42.5° | 105.2 | 109.2 | 109.9 | 107.6 | 96.2 | 91.2 | 89.2 | 87.6 | 88.4 | 90.4 | 97.4 |
| 45° | 102.5 | 105.6 | 105.2 | 101.7 | 90.8 | 87.2 | 87.2 | 86.1 | 86.5 | 88.0 | 95.5 |
| 47.5° | 100.5 | 102.1 | 101.3 | 97.8 | 86.9 | 84.1 | 85.3 | 85.3 | 86.1 | 87.2 | 94.7 |
| 50° | 97.4 | 98.6 | 97.8 | 94.7 | 83.7 | 81.4 | 82.6 | 84.1 | 84.9 | 86.1 | 92.7 |
| 52.5° | 94.3 | 95.1 | 94.7 | 91.5 | 80.6 | 79.0 | 79.0 | 80.6 | 82.2 | 83.7 | 89.6 |
| 55° | 91.2 | 91.9 | 92.3 | 90.0 | 78.2 | 76.7 | 76.3 | 76.3 | 77.9 | 80.2 | 86.5 |
| 57.5° | 88.8 | 88.8 | 89.6 | 88.0 | 75.9 | 73.9 | 72.0 | 72.4 | 74.3 | 76.3 | 82.6 |
| 60° | 86.1 | 86.5 | 87.6 | 86.1 | 72.8 | 69.6 | 68.1 | 70.0 | 70.8 | 72.8 | 79.4 |
| 62.5° | 83.7 | 83.7 | 84.5 | 83.3 | 70.0 | 66.9 | 65.7 | 67.7 | 67.7 | 69.6 | 76.3 |
| 65° | 81.8 | 81.4 | 81.4 | 81.0 | 67.3 | 64.2 | 63.4 | 64.2 | 64.6 | 66.5 | 73.2 |
| 67.5° | 80.2 | 78.2 | 78.2 | 79.0 | 64.6 | 61.4 | 61.0 | 61.0 | 61.4 | 63.8 | 69.6 |
| 70° | 76.7 | 75.1 | 74.7 | 77.5 | 61.8 | 57.9 | 57.9 | 57.1 | 57.9 | 59.1 | 65.3 |
| 72.5° | 72.8 | 71.6 | 71.2 | 75.1 | 59.1 | 54.0 | 53.2 | 52.8 | 53.2 | 54.4 | 60.3 |
| 75° | 67.7 | 66.9 | 67.7 | 73.6 | 56.3 | 49.7 | 48.5 | 48.1 | 48.1 | 48.5 | 54.8 |
| 77.5° | 61.8 | 61.0 | 66.9 | 68.5 | 54.8 | 44.6 | 43.4 | 42.6 | 41.9 | 41.9 | 48.9 |
| 80° | 54.8 | 54.4 | 64.6 | 57.9 | 52.4 | 39.1 | 37.2 | 36.0 | 35.2 | 34.8 | 41.9 |
| 82.5° | 47.7 | 46.9 | 55.2 | 45.4 | 43.4 | 32.1 | 29.3 | 27.0 | 25.8 | 25.8 | 32.1 |
| 85° | 39.1 | 38.7 | 43.4 | 33.3 | 30.1 | 23.5 | 19.6 | 17.6 | 16.0 | 16.0 | 20.7 |
| 87.5° | 28.6 | 27.8 | 27.0 | 20.0 | 15.3 | 10.6 | 7.4 | 7.0 | 6.3 | 5.9 | 8.6 |
| 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):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 | 1839.6 |
| 2.5° | 1545.4 | 1577.9 | 1639.3 | 1689.8 | 1757.1 | 1811.0 | 1872.5 | 1899.1 |
| 5° | 1153.0 | 1204.2 | 1298.1 | 1378.3 | 1489.4 | 1592.3 | 1709.7 | 1773.9 |
| 7.5° | 827.1 | 903.0 | 974.2 | 1074.3 | 1213.2 | 1351.3 | 1503.1 | 1588.0 |
| 10° | 684.3 | 753.9 | 814.9 | 886.2 | 993.4 | 1148.7 | 1329.8 | 1425.7 |
| 12.5° | 566.9 | 642.0 | 706.6 | 782.9 | 872.9 | 1013.3 | 1219.9 | 1331.4 |
| 15° | 434.7 | 516.4 | 593.9 | 685.8 | 796.2 | 956.6 | 1187.0 | 1311.4 |
| 17.5° | 297.7 | 385.4 | 480.8 | 593.1 | 726.1 | 932.7 | 1218.3 | 1371.7 |
| 20° | 202.3 | 266.4 | 370.1 | 503.1 | 663.1 | 921.4 | 1287.2 | 1495.7 |
| 22.5° | 166.3 | 195.2 | 273.1 | 418.6 | 611.5 | 933.9 | 1399.1 | 1658.9 |
| 25° | 152.6 | 168.2 | 212.4 | 344.3 | 572.0 | 967.1 | 1550.5 | 1843.1 |
| 27.5° | 144.0 | 157.3 | 186.2 | 291.1 | 535.6 | 1012.5 | 1734.8 | 2068.5 |
| 30° | 138.9 | 151.4 | 175.7 | 263.7 | 502.4 | 1051.6 | 1893.2 | 2238.3 |
| 32.5° | 127.5 | 136.9 | 156.9 | 248.0 | 478.5 | 1083.3 | 2032.9 | 2397.1 |
| 35° | 113.9 | 125.2 | 141.6 | 237.9 | 477.7 | 1098.2 | 2164.3 | 2572.8 |
| 37.5° | 108.8 | 119.7 | 131.8 | 232.4 | 482.4 | 1110.7 | 2325.1 | 2771.9 |
| 40° | 105.6 | 115.4 | 125.2 | 231.6 | 486.3 | 1120.5 | 2482.4 | 2979.3 |
| 42.5° | 102.9 | 112.7 | 124.0 | 226.1 | 484.7 | 1133.8 | 2621.7 | 3157.3 |
| 45° | 102.1 | 111.9 | 126.8 | 217.9 | 484.4 | 1154.5 | 2732.4 | 3299.7 |
| 47.5° | 101.3 | 116.2 | 126.0 | 208.9 | 482.8 | 1198.4 | 2857.2 | 3432.3 |
| 50° | 100.5 | 124.0 | 120.5 | 196.4 | 471.1 | 1273.1 | 3025.1 | 3584.1 |
| 52.5° | 100.2 | 125.2 | 114.6 | 179.2 | 449.9 | 1383.8 | 3270.8 | 3795.4 |
| 55° | 98.6 | 118.9 | 104.5 | 156.5 | 419.4 | 1503.1 | 3534.1 | 4043.8 |
| 57.5° | 95.1 | 106.0 | 98.6 | 134.2 | 375.6 | 1586.5 | 3728.5 | 4235.9 |
| 60° | 103.7 | 91.2 | 94.7 | 122.8 | 323.2 | 1601.3 | 3737.1 | 4289.9 |
| 62.5° | 99.0 | 82.9 | 90.8 | 118.9 | 286.4 | 1504.3 | 3566.1 | 4225.4 |
| 65° | 79.0 | 78.6 | 87.2 | 122.8 | 280.9 | 1287.2 | 3277.4 | 4034.1 |
| 67.5° | 72.0 | 75.5 | 83.7 | 127.5 | 284.4 | 1014.1 | 2852.5 | 3587.3 |
| 70° | 67.3 | 71.6 | 79.0 | 131.8 | 290.7 | 798.9 | 2296.6 | 2917.5 |
| 72.5° | 62.6 | 66.1 | 74.3 | 136.2 | 286.4 | 630.3 | 1838.0 | 2247.3 |
| 75° | 56.7 | 59.9 | 67.7 | 124.8 | 245.7 | 463.2 | 1460.5 | 1595.9 |
| 77.5° | 50.1 | 52.8 | 59.5 | 98.6 | 184.7 | 322.4 | 1093.9 | 1150.2 |
| 80° | 43.0 | 44.2 | 49.3 | 72.0 | 120.5 | 192.9 | 832.6 | 917.5 |
| 82.5° | 34.0 | 34.4 | 37.6 | 52.8 | 75.1 | 123.2 | 577.5 | 659.2 |
| 85° | 21.9 | 22.7 | 24.3 | 37.2 | 50.5 | 79.0 | 295.0 | 338.0 |
| 87.5° | 7.4 | 8.6 | 8.6 | 18.0 | 24.6 | 43.8 | 90.4 | 65.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)