

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: P196208

Luminaire Tested: **NVN-AF-02-LED-U-SLL-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P196208
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-02-LED-U-SLL-800
Description: NAVION ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8891.5 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

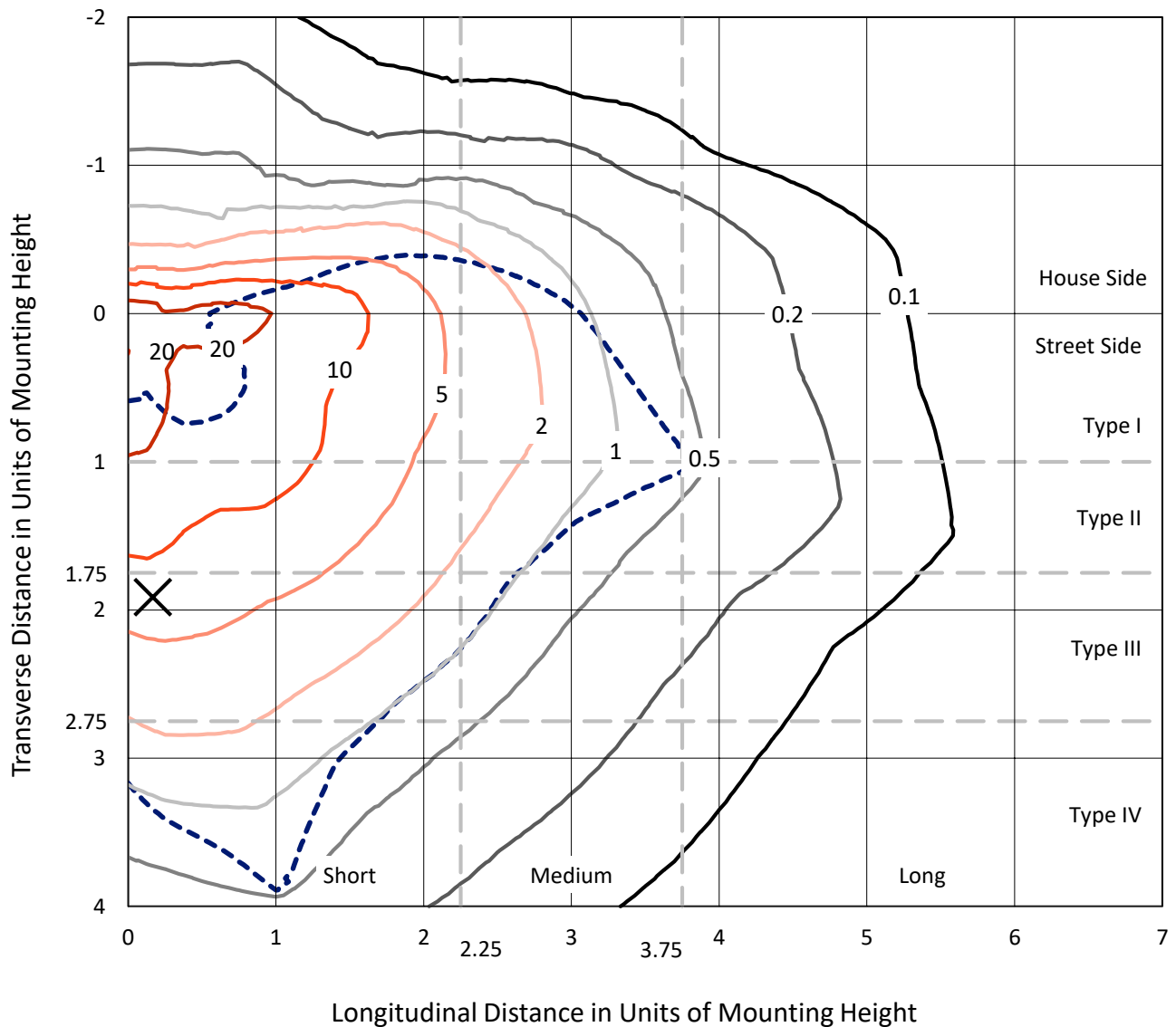
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

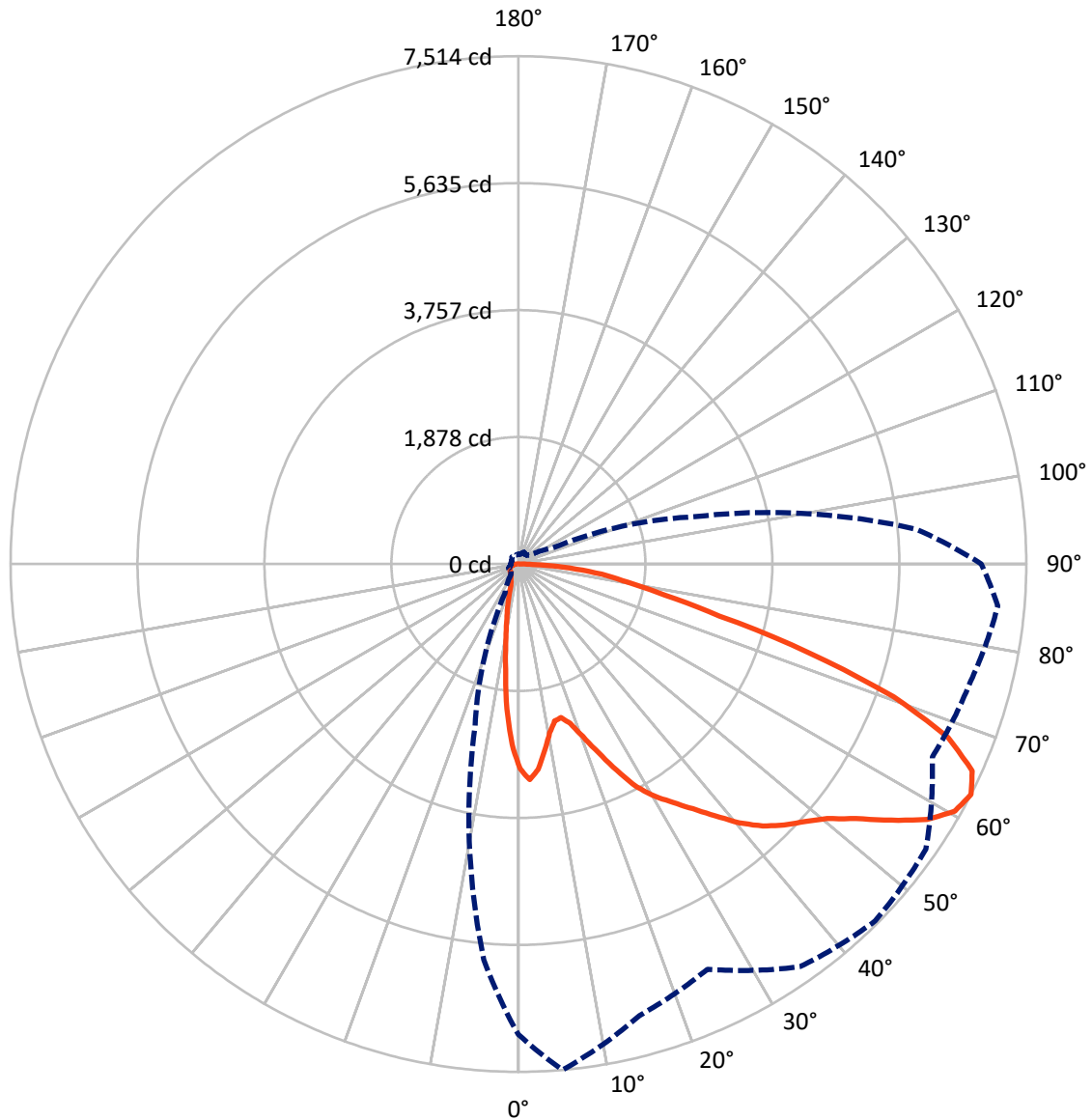
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 34.8 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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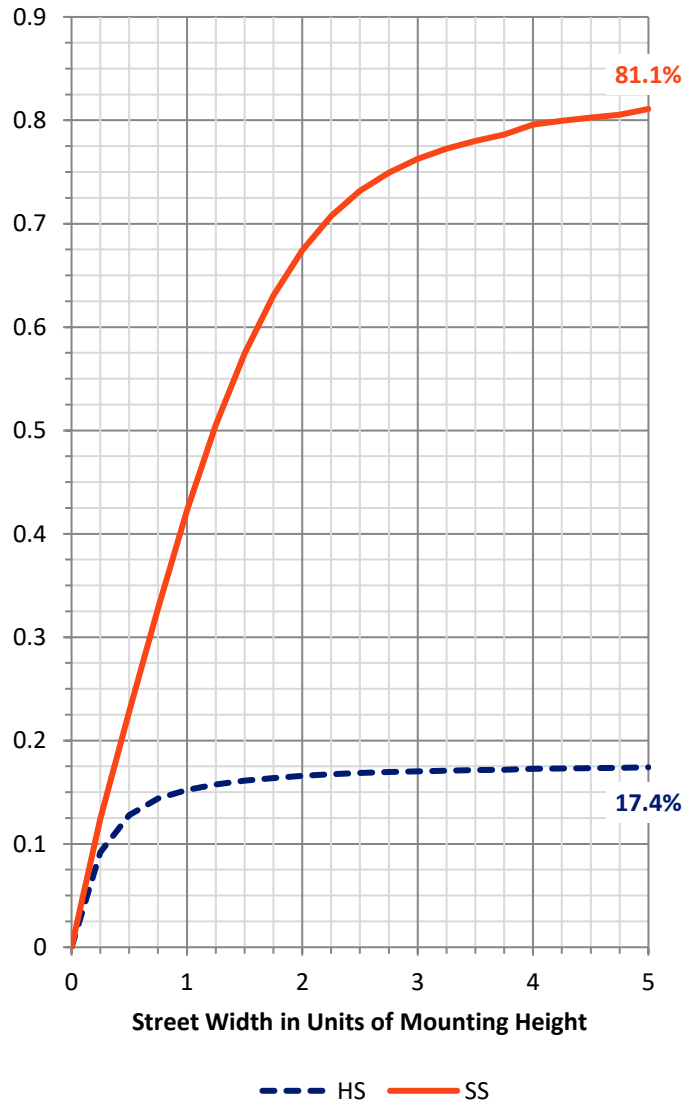
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1575.1 | 0.0 | 1575.1 |
| | % Fixture | 17.7 | 0.0 | 17.7 |
| Street Side | Lumens | 7316.4 | 0.0 | 7316.4 |
| | % Fixture | 82.3 | 0.0 | 82.3 |
| Total | Lumens | 8891.5 | 0.0 | 8891.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 220.4 | 2.5 |
| 10°-20° | 402.6 | 4.5 |
| 20°-30° | 579.1 | 6.5 |
| 30°-40° | 887.0 | 10.0 |
| 40°-50° | 1296.8 | 14.6 |
| 50°-60° | 1886.8 | 21.2 |
| 60°-70° | 2186.1 | 24.6 |
| 70°-80° | 1139.6 | 12.8 |
| 80°-90° | 292.9 | 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° | 8891.5 | 100.0 |
| 0°-180° | 8891.5 | 100.0 |

Coefficient of Utilization



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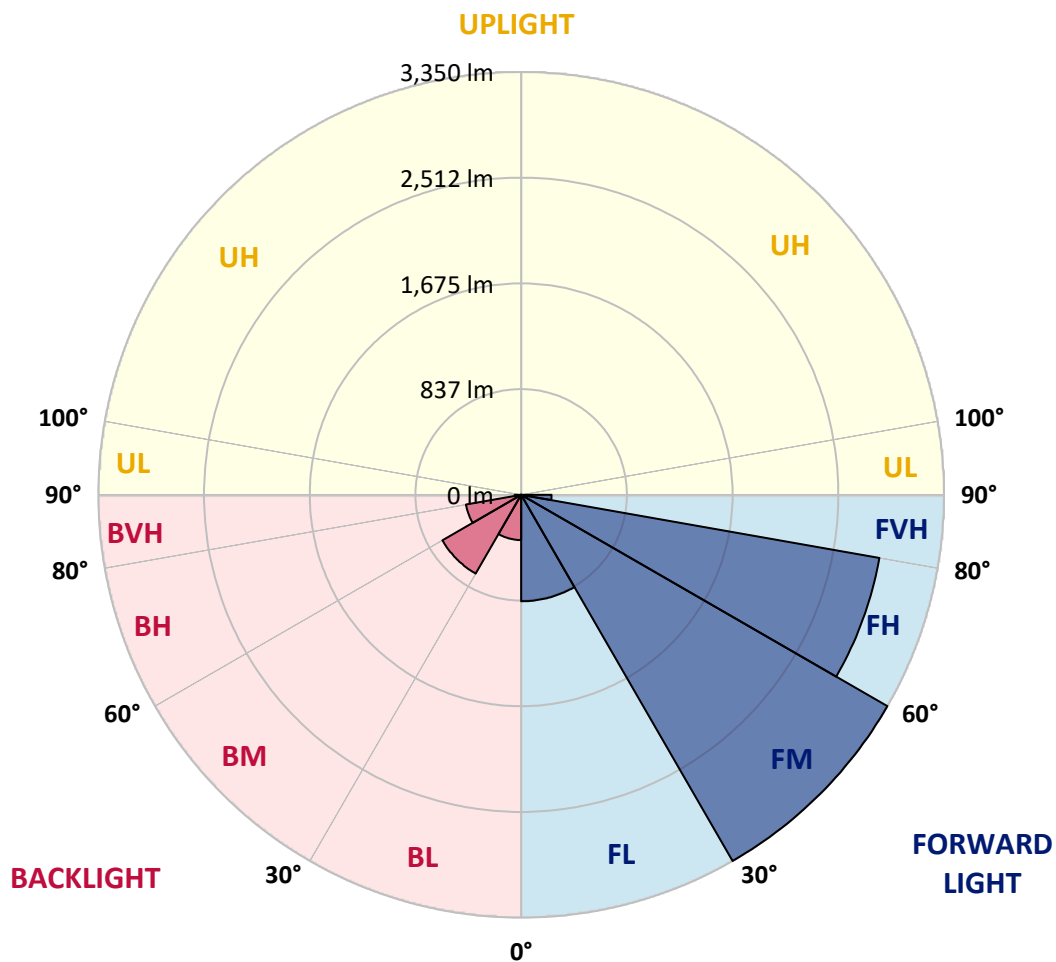
CATALOG NUMBER: NVN-AF-02-LED-U-SLL-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 843.8 | 9.5 | | | |
| FM | (30°-60°) | 3349.9 | 37.7 | | | |
| FH | (60°-80°) | 2881.6 | 32.4 | | | G2/5000 |
| FVH | (80°-90°) | 241.0 | 2.7 | | | G3/500 |
| BL | (0°-30°) | 358.4 | 4.0 | B1/500 | | |
| BM | (30°-60°) | 720.7 | 8.1 | B1/1000 | | |
| BH | (60°-80°) | 444.1 | 5.0 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 51.9 | 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-G3

Type IV Short





REPORT NUMBER: P196208

CATALOG NUMBER: NVN-AF-02-LED-U-SLL-800

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 |
| 2.5° | 3129.3 | 3195.7 | 3271.7 | 3371.0 | 3438.8 | 3465.8 | 3488.4 | 3450.3 | 3413.6 | 3344.6 | 3320.1 |
| 5° | 2923.0 | 3050.6 | 3260.1 | 3459.3 | 3634.7 | 3735.3 | 3766.2 | 3695.9 | 3570.9 | 3390.4 | 3294.9 |
| 7.5° | 2616.7 | 2785.0 | 3079.6 | 3373.0 | 3624.4 | 3792.0 | 3804.3 | 3665.0 | 3418.7 | 3122.9 | 2968.1 |
| 10° | 2349.2 | 2539.4 | 2880.4 | 3208.6 | 3474.9 | 3646.3 | 3612.8 | 3417.5 | 3120.2 | 2783.8 | 2609.0 |
| 12.5° | 2193.8 | 2384.0 | 2731.5 | 3064.8 | 3315.6 | 3380.8 | 3312.4 | 3147.9 | 2866.2 | 2529.0 | 2353.1 |
| 15° | 2161.0 | 2357.0 | 2678.6 | 2959.7 | 3115.1 | 3073.1 | 3005.5 | 2922.4 | 2721.9 | 2445.9 | 2275.8 |
| 17.5° | 2260.2 | 2479.4 | 2748.9 | 2903.0 | 2896.6 | 2795.9 | 2739.3 | 2755.3 | 2721.2 | 2536.2 | 2358.2 |
| 20° | 2464.6 | 2723.8 | 2927.5 | 2887.5 | 2722.5 | 2581.3 | 2548.4 | 2674.8 | 2832.8 | 2762.5 | 2567.1 |
| 22.5° | 2733.4 | 3028.8 | 3171.1 | 2932.0 | 2631.5 | 2479.4 | 2473.0 | 2670.3 | 3035.8 | 3104.8 | 2866.9 |
| 25° | 3037.0 | 3381.4 | 3416.8 | 3010.6 | 2621.9 | 2470.4 | 2464.6 | 2739.9 | 3280.1 | 3443.9 | 3202.8 |
| 27.5° | 3408.5 | 3737.2 | 3621.9 | 3115.7 | 2664.5 | 2496.8 | 2500.7 | 2858.5 | 3534.8 | 3779.1 | 3581.2 |
| 30° | 3688.2 | 3989.9 | 3748.2 | 3218.9 | 2732.8 | 2543.3 | 2553.0 | 2986.8 | 3672.1 | 4011.8 | 3883.5 |
| 32.5° | 3949.9 | 4205.9 | 3869.4 | 3320.7 | 2832.8 | 2612.2 | 2645.8 | 3146.7 | 3837.1 | 4211.7 | 4169.1 |
| 35° | 4239.4 | 4447.7 | 4004.1 | 3429.6 | 2975.9 | 2733.4 | 2781.8 | 3298.8 | 4000.9 | 4411.6 | 4452.2 |
| 37.5° | 4567.6 | 4724.2 | 4150.4 | 3583.8 | 3182.1 | 2957.8 | 2984.9 | 3454.2 | 4115.0 | 4632.6 | 4755.8 |
| 40° | 4909.2 | 5034.4 | 4310.3 | 3789.4 | 3481.9 | 3260.8 | 3273.6 | 3653.4 | 4204.6 | 4861.6 | 5050.4 |
| 42.5° | 5202.5 | 5299.9 | 4470.8 | 4044.7 | 3826.1 | 3569.6 | 3580.5 | 3868.1 | 4290.4 | 5058.8 | 5286.4 |
| 45° | 5437.2 | 5508.8 | 4622.3 | 4313.6 | 4193.7 | 3955.1 | 3952.6 | 4086.6 | 4405.1 | 5225.1 | 5467.6 |
| 47.5° | 5655.8 | 5693.8 | 4791.3 | 4575.2 | 4574.6 | 4451.5 | 4359.3 | 4344.5 | 4557.9 | 5365.1 | 5625.5 |
| 50° | 5905.9 | 5920.1 | 5014.3 | 4839.6 | 5040.1 | 5020.7 | 4850.5 | 4672.0 | 4755.8 | 5522.3 | 5791.1 |
| 52.5° | 6254.0 | 6254.7 | 5290.9 | 5097.5 | 5553.9 | 5615.2 | 5417.2 | 5042.7 | 5048.5 | 5828.6 | 6077.4 |
| 55° | 6663.4 | 6691.7 | 5651.3 | 5406.3 | 6091.6 | 6196.0 | 6009.7 | 5483.0 | 5468.8 | 6322.3 | 6541.6 |
| 57.5° | 6979.9 | 7130.2 | 6070.9 | 5792.5 | 6593.7 | 6729.8 | 6579.6 | 5939.5 | 5985.2 | 6831.7 | 6924.6 |
| 60° | 7068.9 | 7420.3 | 6489.4 | 6225.7 | 7018.7 | 7223.0 | 7070.2 | 6432.6 | 6490.6 | 7162.4 | 7034.7 |
| 62.5° | 6962.5 | 7513.8 | 6915.5 | 6613.8 | 7270.7 | 7466.7 | 7357.1 | 6755.6 | 6902.6 | 7119.8 | 6848.5 |
| 65° | 6647.3 | 7378.3 | 7285.6 | 6778.8 | 7125.7 | 7195.2 | 7166.3 | 6772.3 | 7126.3 | 6717.6 | 6333.3 |
| 67.5° | 5911.1 | 6856.1 | 7120.5 | 6426.2 | 6448.1 | 6373.3 | 6335.2 | 6312.0 | 6874.8 | 6068.3 | 5521.1 |
| 70° | 4807.4 | 5891.1 | 6333.3 | 5378.0 | 5215.4 | 5143.3 | 5018.2 | 5327.6 | 6179.2 | 5170.3 | 4543.7 |
| 72.5° | 3703.1 | 4506.9 | 5194.9 | 4077.0 | 3739.2 | 3763.6 | 3621.9 | 4073.7 | 5118.7 | 3997.0 | 3469.0 |
| 75° | 2629.7 | 3073.1 | 4146.5 | 2929.4 | 2482.0 | 2480.8 | 2469.8 | 2932.0 | 4038.9 | 2868.9 | 2538.1 |
| 77.5° | 1895.3 | 2212.5 | 3248.6 | 1960.5 | 1761.3 | 1783.8 | 1747.7 | 1992.7 | 3148.6 | 2063.6 | 1880.5 |
| 80° | 1511.8 | 1638.2 | 2099.7 | 1307.4 | 1311.3 | 1364.1 | 1356.4 | 1362.9 | 2071.4 | 1494.3 | 1406.0 |
| 82.5° | 1086.3 | 1243.6 | 1605.2 | 1001.9 | 867.1 | 923.2 | 934.2 | 1010.9 | 1461.5 | 1056.6 | 927.1 |
| 85° | 557.0 | 758.1 | 1476.9 | 867.8 | 542.2 | 449.4 | 517.0 | 797.5 | 1269.4 | 633.1 | 451.9 |
| 87.5° | 108.3 | 210.2 | 1082.4 | 482.2 | 243.7 | 123.2 | 203.1 | 337.8 | 738.2 | 114.8 | 56.1 |
| 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-02-LED-U-SLL-800

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 |
| 2.5° | 3278.1 | 3195.7 | 3118.4 | 3038.4 | 2976.5 | 2901.1 | 2826.9 | 2762.5 | 2699.9 | 2658.6 | 2671.5 |
| 5° | 3198.3 | 2997.1 | 2816.6 | 2649.0 | 2551.0 | 2433.0 | 2327.9 | 2239.6 | 2171.3 | 2127.4 | 2153.9 |
| 7.5° | 2834.0 | 2562.0 | 2324.0 | 2103.0 | 1963.7 | 1810.9 | 1688.4 | 1602.0 | 1549.2 | 1519.5 | 1562.7 |
| 10° | 2461.4 | 2155.8 | 1888.9 | 1658.7 | 1521.4 | 1391.8 | 1280.9 | 1189.4 | 1118.5 | 1085.0 | 1102.4 |
| 12.5° | 2194.5 | 1854.7 | 1574.9 | 1420.3 | 1302.2 | 1186.2 | 1071.4 | 964.4 | 874.2 | 832.9 | 824.5 |
| 15° | 2094.6 | 1692.9 | 1407.4 | 1234.6 | 1117.3 | 990.8 | 867.1 | 752.4 | 666.6 | 631.2 | 623.4 |
| 17.5° | 2138.4 | 1658.1 | 1308.0 | 1103.7 | 933.5 | 780.1 | 640.8 | 532.5 | 469.3 | 449.4 | 451.3 |
| 20° | 2292.4 | 1671.0 | 1228.2 | 968.9 | 758.8 | 576.9 | 437.7 | 362.9 | 335.8 | 331.3 | 336.6 |
| 22.5° | 2504.0 | 1723.9 | 1170.1 | 852.9 | 604.7 | 419.7 | 325.6 | 290.1 | 283.1 | 282.3 | 287.6 |
| 25° | 2783.0 | 1827.0 | 1131.4 | 749.7 | 477.7 | 332.7 | 283.7 | 263.7 | 257.9 | 259.1 | 264.3 |
| 27.5° | 3111.9 | 1957.9 | 1106.3 | 660.8 | 392.6 | 296.6 | 264.9 | 247.6 | 241.7 | 243.1 | 246.9 |
| 30° | 3412.3 | 2072.6 | 1068.9 | 593.7 | 352.6 | 283.7 | 254.6 | 237.2 | 229.6 | 229.6 | 232.1 |
| 32.5° | 3681.1 | 2171.9 | 1025.0 | 543.5 | 315.9 | 254.6 | 230.8 | 217.3 | 211.4 | 213.4 | 214.7 |
| 35° | 3919.6 | 2224.1 | 990.8 | 513.8 | 286.2 | 234.7 | 210.8 | 196.6 | 188.9 | 190.2 | 192.1 |
| 37.5° | 4154.3 | 2244.1 | 968.3 | 497.7 | 264.9 | 222.4 | 200.5 | 188.9 | 180.6 | 179.2 | 178.6 |
| 40° | 4377.4 | 2239.6 | 947.0 | 493.2 | 250.8 | 213.4 | 194.1 | 183.7 | 175.3 | 173.4 | 172.8 |
| 42.5° | 4570.1 | 2224.8 | 927.1 | 480.9 | 241.1 | 206.9 | 188.9 | 179.8 | 171.4 | 168.9 | 167.7 |
| 45° | 4746.2 | 2215.8 | 905.1 | 458.4 | 246.2 | 204.4 | 186.3 | 176.7 | 168.9 | 165.7 | 164.4 |
| 47.5° | 4941.5 | 2248.0 | 880.7 | 433.8 | 245.0 | 205.0 | 186.3 | 175.3 | 167.7 | 164.4 | 163.1 |
| 50° | 5174.2 | 2357.0 | 850.4 | 400.4 | 233.3 | 219.2 | 185.7 | 173.4 | 166.3 | 164.4 | 161.8 |
| 52.5° | 5503.0 | 2533.5 | 808.4 | 357.1 | 224.3 | 234.1 | 185.1 | 170.2 | 164.4 | 161.2 | 157.9 |
| 55° | 5953.6 | 2710.2 | 754.3 | 311.4 | 210.2 | 223.7 | 186.3 | 166.3 | 159.9 | 156.6 | 152.8 |
| 57.5° | 6323.1 | 2844.3 | 685.9 | 273.3 | 197.2 | 211.4 | 184.3 | 161.8 | 154.8 | 151.5 | 148.2 |
| 60° | 6299.1 | 2857.2 | 620.8 | 248.9 | 189.6 | 190.2 | 188.9 | 158.6 | 150.2 | 147.6 | 145.1 |
| 62.5° | 5909.2 | 2698.0 | 560.3 | 236.6 | 183.7 | 173.4 | 192.7 | 154.8 | 145.7 | 143.1 | 141.2 |
| 65° | 5259.9 | 2327.3 | 527.9 | 236.6 | 178.6 | 164.4 | 168.3 | 149.6 | 141.2 | 138.6 | 137.3 |
| 67.5° | 4436.6 | 1870.3 | 497.7 | 241.7 | 171.4 | 157.9 | 152.8 | 144.4 | 136.7 | 134.1 | 132.8 |
| 70° | 3556.1 | 1471.8 | 476.4 | 239.2 | 165.0 | 150.9 | 144.4 | 137.3 | 129.6 | 128.9 | 127.7 |
| 72.5° | 2789.5 | 1182.3 | 466.8 | 239.2 | 155.4 | 142.5 | 136.1 | 130.8 | 123.2 | 122.4 | 120.6 |
| 75° | 2235.1 | 887.7 | 426.8 | 234.7 | 145.7 | 131.6 | 125.7 | 121.2 | 113.4 | 114.1 | 112.8 |
| 77.5° | 1730.9 | 627.9 | 356.5 | 211.4 | 133.5 | 119.3 | 114.8 | 111.5 | 102.5 | 103.1 | 103.1 |
| 80° | 1353.9 | 408.8 | 276.6 | 175.3 | 119.3 | 105.1 | 101.9 | 99.3 | 89.6 | 90.9 | 90.9 |
| 82.5° | 927.7 | 243.1 | 200.5 | 141.2 | 102.5 | 89.6 | 89.0 | 85.1 | 74.8 | 75.4 | 76.7 |
| 85° | 506.7 | 159.9 | 133.5 | 104.4 | 80.6 | 72.8 | 71.6 | 69.7 | 59.9 | 59.9 | 60.6 |
| 87.5° | 93.5 | 85.7 | 78.7 | 68.9 | 54.1 | 52.2 | 50.3 | 52.2 | 45.1 | 43.9 | 43.9 |
| 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: NVN-AF-02-LED-U-SLL-800

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 | 3031.3 |
| 2.5° | 2641.3 | 2596.8 | 2565.9 | 2538.8 | 2473.6 | 2478.2 | 2487.2 | 2500.1 | 2459.5 | 2480.8 | 2507.2 |
| 5° | 2127.4 | 2090.7 | 2063.0 | 2019.8 | 1928.9 | 1896.7 | 1876.0 | 1867.0 | 1806.4 | 1819.3 | 1847.7 |
| 7.5° | 1568.5 | 1567.9 | 1558.2 | 1509.9 | 1400.2 | 1333.8 | 1290.0 | 1276.4 | 1239.1 | 1253.2 | 1296.5 |
| 10° | 1104.4 | 1115.9 | 1111.4 | 1068.3 | 970.3 | 922.5 | 912.9 | 940.0 | 940.6 | 968.3 | 1042.5 |
| 12.5° | 798.1 | 791.7 | 785.8 | 750.4 | 676.9 | 669.2 | 691.1 | 728.4 | 737.5 | 767.2 | 844.5 |
| 15° | 595.7 | 580.2 | 576.9 | 549.2 | 500.9 | 508.0 | 524.2 | 543.5 | 544.1 | 564.8 | 628.6 |
| 17.5° | 446.7 | 446.7 | 451.9 | 433.8 | 399.1 | 395.9 | 387.5 | 382.3 | 374.6 | 382.9 | 417.8 |
| 20° | 346.9 | 362.9 | 375.8 | 365.5 | 334.0 | 318.4 | 302.4 | 292.1 | 286.2 | 286.8 | 297.2 |
| 22.5° | 297.2 | 310.1 | 326.8 | 321.7 | 295.2 | 275.3 | 264.9 | 257.9 | 253.4 | 253.4 | 259.1 |
| 25° | 272.1 | 280.4 | 295.9 | 293.3 | 270.8 | 254.6 | 246.2 | 239.2 | 234.1 | 233.3 | 239.2 |
| 27.5° | 252.1 | 257.3 | 267.5 | 266.3 | 243.1 | 232.7 | 227.6 | 223.1 | 219.8 | 219.2 | 224.9 |
| 30° | 234.1 | 236.6 | 241.7 | 239.8 | 222.4 | 212.1 | 210.2 | 208.3 | 206.3 | 206.9 | 215.3 |
| 32.5° | 217.9 | 219.8 | 223.1 | 220.4 | 203.7 | 194.7 | 191.5 | 188.9 | 187.0 | 188.9 | 198.6 |
| 35° | 199.9 | 205.6 | 209.5 | 208.3 | 190.2 | 179.2 | 172.2 | 165.7 | 163.1 | 165.0 | 175.9 |
| 37.5° | 184.3 | 194.1 | 199.2 | 197.9 | 179.2 | 166.3 | 157.3 | 156.0 | 156.0 | 158.6 | 169.5 |
| 40° | 178.6 | 185.7 | 190.2 | 188.2 | 169.5 | 156.6 | 151.5 | 149.6 | 150.2 | 152.8 | 164.4 |
| 42.5° | 173.4 | 179.8 | 181.2 | 177.3 | 158.6 | 150.2 | 147.0 | 144.4 | 145.7 | 148.9 | 160.5 |
| 45° | 168.9 | 174.1 | 173.4 | 167.7 | 149.6 | 143.7 | 143.7 | 141.8 | 142.5 | 145.1 | 157.3 |
| 47.5° | 165.7 | 168.3 | 166.9 | 161.2 | 143.1 | 138.6 | 140.6 | 140.6 | 141.8 | 143.7 | 156.0 |
| 50° | 160.5 | 162.4 | 161.2 | 156.0 | 138.0 | 134.1 | 136.1 | 138.6 | 139.9 | 141.8 | 152.8 |
| 52.5° | 155.4 | 156.6 | 156.0 | 150.9 | 132.8 | 130.2 | 130.2 | 132.8 | 135.3 | 138.0 | 147.6 |
| 55° | 150.2 | 151.5 | 152.1 | 148.2 | 128.9 | 126.3 | 125.7 | 125.7 | 128.3 | 132.2 | 142.5 |
| 57.5° | 146.4 | 146.4 | 147.6 | 145.1 | 125.1 | 121.8 | 118.7 | 119.3 | 122.4 | 125.7 | 136.1 |
| 60° | 141.8 | 142.5 | 144.4 | 141.8 | 119.9 | 114.8 | 112.2 | 115.4 | 116.7 | 119.9 | 130.8 |
| 62.5° | 138.0 | 138.0 | 139.2 | 137.3 | 115.4 | 110.3 | 108.3 | 111.5 | 111.5 | 114.8 | 125.7 |
| 65° | 134.7 | 134.1 | 134.1 | 133.5 | 110.9 | 105.8 | 104.4 | 105.8 | 106.4 | 109.6 | 120.6 |
| 67.5° | 132.2 | 128.9 | 128.9 | 130.2 | 106.4 | 101.2 | 100.6 | 100.6 | 101.2 | 105.1 | 114.8 |
| 70° | 126.3 | 123.8 | 123.2 | 127.7 | 101.9 | 95.4 | 95.4 | 94.1 | 95.4 | 97.4 | 107.6 |
| 72.5° | 119.9 | 117.9 | 117.3 | 123.8 | 97.4 | 89.0 | 87.7 | 87.1 | 87.7 | 89.6 | 99.3 |
| 75° | 111.5 | 110.3 | 111.5 | 121.2 | 92.9 | 81.8 | 79.9 | 79.3 | 79.3 | 79.9 | 90.2 |
| 77.5° | 101.9 | 100.6 | 110.3 | 112.8 | 90.2 | 73.4 | 71.6 | 70.3 | 68.9 | 68.9 | 80.6 |
| 80° | 90.2 | 89.6 | 106.4 | 95.4 | 86.3 | 64.4 | 61.3 | 59.3 | 58.0 | 57.4 | 68.9 |
| 82.5° | 78.7 | 77.3 | 90.9 | 74.8 | 71.6 | 52.9 | 48.4 | 44.5 | 42.6 | 42.6 | 52.9 |
| 85° | 64.4 | 63.8 | 71.6 | 54.8 | 49.6 | 38.7 | 32.2 | 29.1 | 26.4 | 26.4 | 34.2 |
| 87.5° | 47.1 | 45.7 | 44.5 | 32.8 | 25.2 | 17.4 | 12.3 | 11.6 | 10.3 | 9.7 | 14.2 |
| 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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| 72.5° | 103.1 | 108.9 | 122.4 | 224.3 | 471.9 | 1038.6 | 3028.8 | 3703.1 |
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| 77.5° | 82.6 | 87.1 | 98.0 | 162.4 | 304.3 | 531.2 | 1802.5 | 1895.3 |
| 80° | 70.9 | 72.8 | 81.2 | 118.7 | 198.6 | 317.8 | 1371.9 | 1511.8 |
| 82.5° | 56.1 | 56.8 | 61.9 | 87.1 | 123.8 | 203.1 | 951.5 | 1086.3 |
| 85° | 36.1 | 37.4 | 40.0 | 61.3 | 83.2 | 130.2 | 486.1 | 557.0 |
| 87.5° | 12.3 | 14.2 | 14.2 | 29.7 | 40.6 | 72.2 | 148.9 | 108.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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