

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: P939286

Luminaire Tested: **GLAN-SB1D-760-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-760-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 5700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8446 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

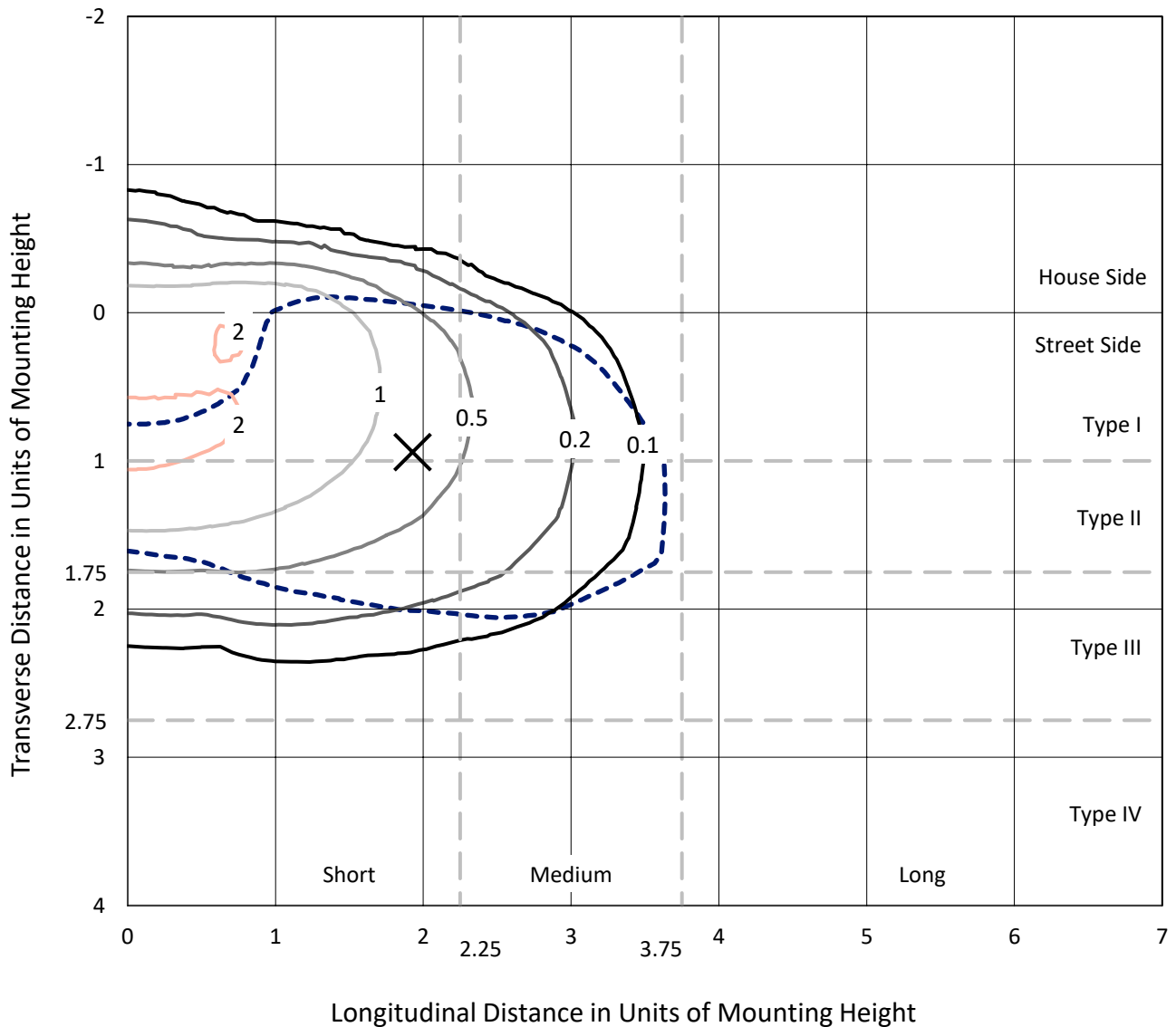
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

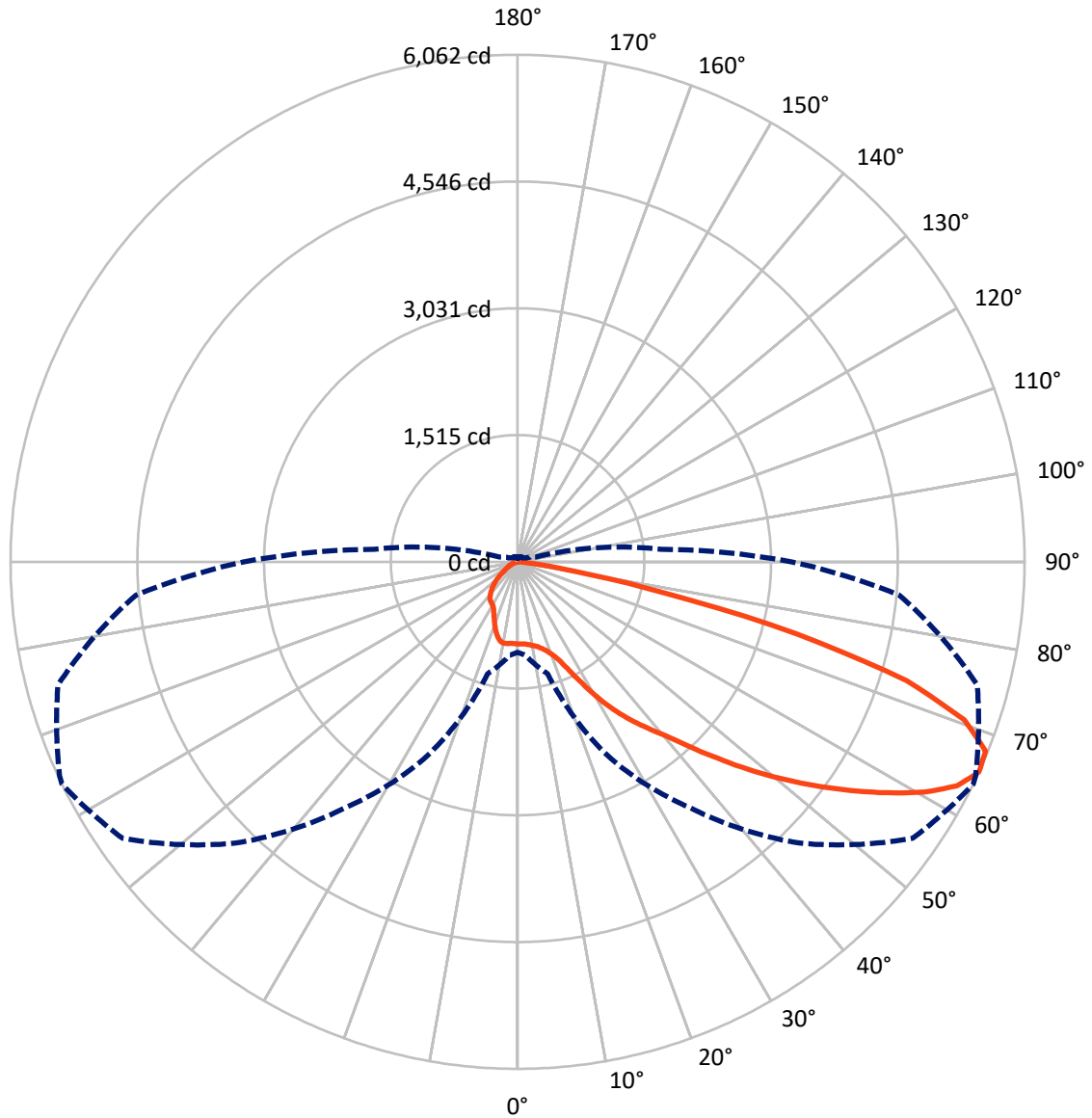
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1129.5   | 0.0    | 1129.5 |
|                    | % Fixture | 13.4     | 0.0    | 13.4   |
| <b>Street Side</b> | Lumens    | 7316.5   | 0.0    | 7316.5 |
|                    | % Fixture | 86.6     | 0.0    | 86.6   |
| <b>Total</b>       | Lumens    | 8446.0   | 0.0    | 8446.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.6   | 1.1       |
| 10°-20°   | 245.8  | 2.9       |
| 20°-30°   | 465.8  | 5.5       |
| 30°-40°   | 942.6  | 11.2      |
| 40°-50°   | 1605.7 | 19.0      |
| 50°-60°   | 2183.6 | 25.9      |
| 60°-70°   | 2050.5 | 24.3      |
| 70°-80°   | 821.5  | 9.7       |
| 80°-90°   | 39.8   | 0.5       |
| 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°    | 8446.0 | 100.0     |
| 0°-180°   | 8446.0 | 100.0     |

**Coefficient of Utilization**



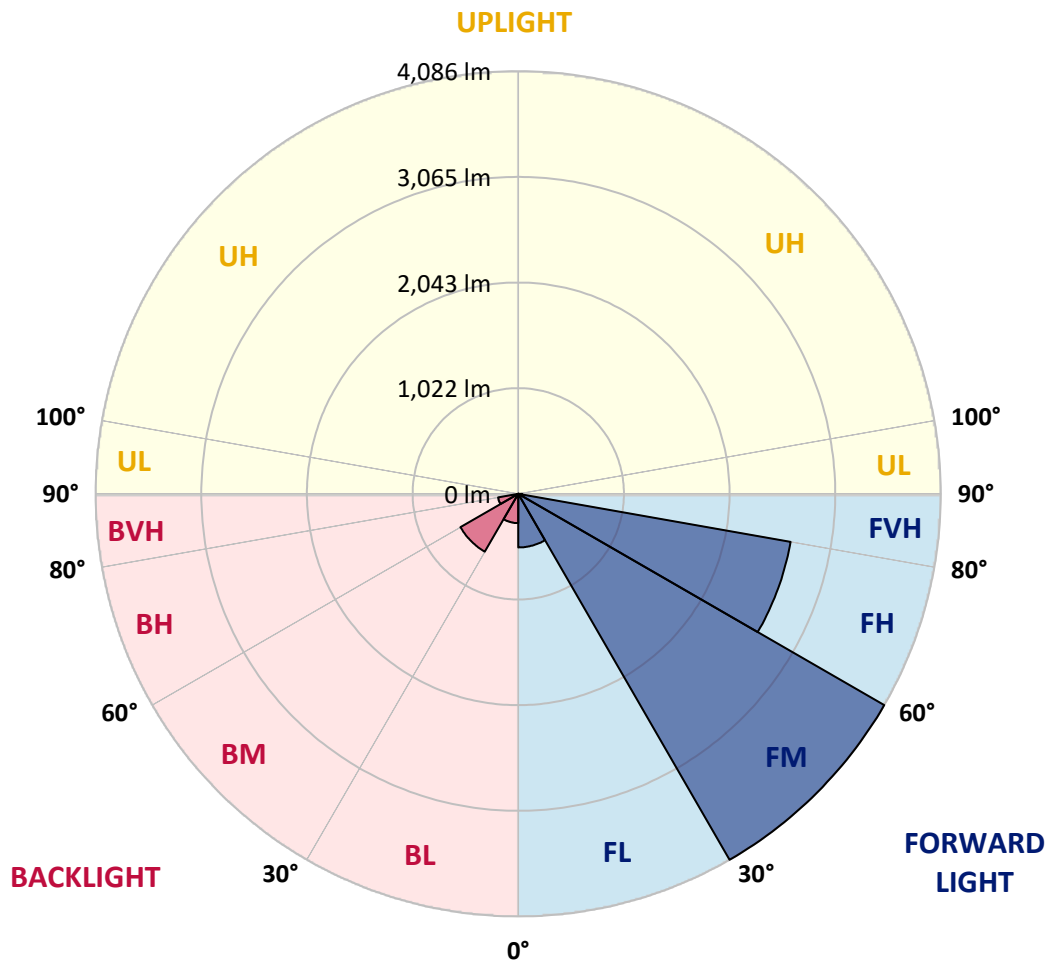
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 518.7  | 6.1       |                         |      |         |
| FM (30°-60°)   | 4086.2 | 48.4      |                         |      |         |
| FH (60°-80°)   | 2673.8 | 31.7      |                         |      | G2/5000 |
| FVH (80°-90°)  | 37.9   | 0.4       |                         |      | G1/100  |
| BL (0°-30°)    | 283.6  | 3.4       | B1/500                  |      |         |
| BM (30°-60°)   | 645.7  | 7.6       | B1/1000                 |      |         |
| BH (60°-80°)   | 198.2  | 2.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 1.9    | 0.0       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 982.4  | 982.4  | 982.4  | 982.4  | 982.4  | 982.4  | 982.4  | 982.4  | 982.4  | 982.4  |
| 2.5°  | 979.0  | 985.8  | 984.1  | 982.4  | 981.8  | 982.9  | 983.5  | 982.9  | 982.9  | 982.9  |
| 5°    | 960.3  | 965.9  | 965.9  | 969.9  | 975.6  | 982.4  | 987.5  | 988.6  | 989.7  | 991.4  |
| 7.5°  | 924.6  | 929.1  | 932.5  | 945.6  | 959.7  | 977.8  | 993.1  | 1001.0 | 1002.2 | 1008.4 |
| 10°   | 900.3  | 905.9  | 911.6  | 925.2  | 945.6  | 972.7  | 998.8  | 1018.0 | 1020.9 | 1035.6 |
| 12.5° | 899.1  | 904.8  | 912.1  | 926.9  | 950.7  | 979.5  | 1011.2 | 1039.0 | 1044.1 | 1065.6 |
| 15°   | 911.0  | 917.8  | 924.6  | 942.7  | 968.2  | 1003.3 | 1037.3 | 1071.8 | 1076.9 | 1107.5 |
| 17.5° | 935.4  | 944.4  | 949.5  | 967.6  | 994.8  | 1033.9 | 1078.6 | 1118.2 | 1122.8 | 1158.4 |
| 20°   | 983.5  | 994.2  | 995.9  | 1010.7 | 1037.3 | 1079.2 | 1132.4 | 1181.7 | 1187.3 | 1228.1 |
| 22.5° | 1083.1 | 1098.4 | 1084.8 | 1092.2 | 1116.0 | 1157.9 | 1215.6 | 1277.9 | 1285.8 | 1332.3 |
| 25°   | 1258.7 | 1280.2 | 1245.1 | 1232.6 | 1242.8 | 1286.4 | 1358.9 | 1437.6 | 1446.6 | 1484.0 |
| 27.5° | 1603.5 | 1575.7 | 1522.5 | 1470.4 | 1439.8 | 1464.8 | 1546.3 | 1643.7 | 1655.0 | 1691.2 |
| 30°   | 1982.3 | 1957.9 | 1886.0 | 1770.5 | 1698.0 | 1694.1 | 1769.4 | 1878.1 | 1891.1 | 1925.6 |
| 32.5° | 2361.6 | 2338.4 | 2260.3 | 2118.2 | 1992.5 | 1930.2 | 1982.3 | 2102.9 | 2109.7 | 2131.7 |
| 35°   | 2734.7 | 2711.0 | 2632.8 | 2487.3 | 2332.7 | 2191.2 | 2181.0 | 2316.9 | 2319.2 | 2342.4 |
| 37.5° | 3110.1 | 3090.3 | 3007.1 | 2864.4 | 2712.1 | 2516.8 | 2422.2 | 2519.6 | 2522.4 | 2545.1 |
| 40°   | 3378.0 | 3386.4 | 3329.3 | 3218.8 | 3088.1 | 2874.6 | 2692.8 | 2735.3 | 2718.3 | 2756.3 |
| 42.5° | 3607.8 | 3624.8 | 3575.0 | 3519.5 | 3443.6 | 3255.7 | 3028.0 | 3020.7 | 2993.5 | 3013.9 |
| 45°   | 3806.6 | 3820.7 | 3776.0 | 3763.0 | 3761.3 | 3629.3 | 3394.4 | 3350.2 | 3312.3 | 3308.3 |
| 47.5° | 3879.6 | 3906.8 | 3926.0 | 3969.6 | 4054.6 | 3999.1 | 3773.2 | 3704.6 | 3662.2 | 3631.0 |
| 50°   | 3907.3 | 3936.2 | 4001.9 | 4128.7 | 4329.7 | 4353.5 | 4150.2 | 4073.2 | 4021.2 | 3964.5 |
| 52.5° | 3870.0 | 3921.5 | 4009.8 | 4223.3 | 4514.9 | 4637.7 | 4512.1 | 4444.7 | 4385.2 | 4292.9 |
| 55°   | 3649.7 | 3701.3 | 3881.9 | 4222.2 | 4607.2 | 4837.0 | 4854.0 | 4824.0 | 4757.2 | 4611.7 |
| 57.5° | 3185.4 | 3261.9 | 3547.8 | 4078.3 | 4605.5 | 5008.6 | 5189.2 | 5210.7 | 5136.0 | 4927.6 |
| 60°   | 2542.2 | 2645.9 | 2994.6 | 3759.6 | 4463.4 | 5101.5 | 5483.1 | 5590.7 | 5511.4 | 5239.1 |
| 62.5° | 1773.9 | 1893.9 | 2224.0 | 3260.2 | 4138.4 | 5034.7 | 5697.7 | 5896.4 | 5836.4 | 5517.6 |
| 65°   | 1082.0 | 1120.5 | 1386.6 | 2565.5 | 3585.7 | 4755.0 | 5763.9 | 6061.7 | 6041.9 | 5688.0 |
| 67.5° | 720.8  | 753.0  | 829.5  | 1759.2 | 2783.4 | 4196.1 | 5605.4 | 6032.9 | 6038.5 | 5660.3 |
| 70°   | 434.3  | 462.0  | 511.8  | 1023.1 | 1803.9 | 3321.3 | 5114.5 | 5664.8 | 5697.7 | 5289.4 |
| 72.5° | 178.9  | 197.6  | 242.9  | 463.7  | 934.2  | 2108.0 | 4072.7 | 4863.7 | 4940.1 | 4447.5 |
| 75°   | 101.3  | 111.0  | 142.7  | 232.7  | 405.4  | 982.4  | 2466.9 | 3452.7 | 3565.4 | 3065.4 |
| 77.5° | 67.4   | 71.9   | 92.3   | 150.6  | 228.2  | 335.2  | 1054.3 | 1798.8 | 2014.0 | 1674.3 |
| 80°   | 45.3   | 49.3   | 63.4   | 100.8  | 148.3  | 143.8  | 335.8  | 666.4  | 819.9  | 575.3  |
| 82.5° | 30.6   | 31.1   | 45.3   | 66.2   | 94.0   | 69.6   | 99.1   | 207.2  | 260.5  | 166.5  |
| 85°   | 17.6   | 17.0   | 33.4   | 38.5   | 41.9   | 28.9   | 30.0   | 62.3   | 81.5   | 70.2   |
| 87.5° | 2.3    | 3.4    | 13.0   | 10.2   | 5.7    | 6.2    | 6.2    | 10.8   | 15.9   | 17.0   |
| 90°   | 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):**

| 85°    |       | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 982.4  | 0°    | 982.4  | 982.4  | 982.4  | 982.4 | 982.4 | 982.4 | 982.4 | 982.4 | 982.4 | 982.4 |
| 983.5  | 2.5°  | 983.5  | 982.9  | 981.2  | 979.5 | 975.6 | 973.3 | 974.4 | 973.3 | 972.7 | 973.3 |
| 990.9  | 5°    | 990.9  | 989.2  | 984.6  | 979.0 | 971.0 | 961.4 | 955.2 | 946.1 | 937.6 | 932.5 |
| 1010.7 | 7.5°  | 1010.7 | 1009.0 | 1002.7 | 986.9 | 961.4 | 921.2 | 884.4 | 852.1 | 827.8 | 813.6 |
| 1042.4 | 10°   | 1042.4 | 1039.5 | 1029.9 | 994.8 | 928.0 | 840.2 | 767.2 | 706.6 | 667.0 | 648.3 |
| 1079.7 | 12.5° | 1079.7 | 1076.3 | 1059.4 | 987.5 | 864.6 | 727.6 | 626.8 | 559.4 | 522.6 | 506.2 |
| 1122.8 | 15°   | 1123.9 | 1119.4 | 1086.0 | 952.3 | 772.3 | 603.0 | 510.7 | 460.3 | 436.5 | 421.8 |
| 1177.7 | 17.5° | 1178.8 | 1170.9 | 1105.8 | 899.7 | 672.1 | 507.9 | 439.4 | 401.4 | 380.5 | 366.3 |
| 1249.6 | 20°   | 1250.2 | 1237.1 | 1121.6 | 836.8 | 579.8 | 447.9 | 391.2 | 359.5 | 343.7 | 331.2 |
| 1351.5 | 22.5° | 1349.8 | 1331.1 | 1140.9 | 768.9 | 514.7 | 406.5 | 355.6 | 332.4 | 319.3 | 305.2 |
| 1493.6 | 25°   | 1473.3 | 1451.2 | 1164.7 | 706.1 | 469.9 | 370.9 | 329.5 | 310.3 | 295.0 | 278.6 |
| 1679.9 | 27.5° | 1645.9 | 1606.3 | 1193.0 | 654.5 | 431.4 | 340.3 | 305.7 | 284.2 | 266.7 | 253.1 |
| 1891.1 | 30°   | 1838.5 | 1773.3 | 1217.9 | 623.4 | 396.3 | 312.0 | 274.6 | 253.1 | 236.7 | 227.0 |
| 2080.8 | 32.5° | 2020.8 | 1932.4 | 1234.3 | 609.8 | 364.6 | 279.7 | 240.6 | 217.4 | 205.0 | 202.1 |
| 2266.5 | 35°   | 2192.9 | 2076.3 | 1232.6 | 596.8 | 336.3 | 247.4 | 207.2 | 183.4 | 173.8 | 175.5 |
| 2466.4 | 37.5° | 2391.1 | 2229.7 | 1220.7 | 576.4 | 313.1 | 218.0 | 178.4 | 157.4 | 148.9 | 149.5 |
| 2709.3 | 40°   | 2621.5 | 2406.9 | 1213.4 | 537.9 | 287.6 | 190.8 | 154.6 | 137.6 | 131.4 | 129.1 |
| 2965.2 | 42.5° | 2867.2 | 2578.5 | 1214.5 | 494.3 | 255.9 | 166.5 | 138.2 | 124.0 | 118.3 | 116.6 |
| 3250.0 | 45°   | 3114.1 | 2742.1 | 1216.2 | 449.0 | 222.5 | 147.8 | 126.3 | 114.4 | 111.0 | 108.7 |
| 3538.8 | 47.5° | 3346.2 | 2881.4 | 1184.5 | 400.3 | 189.7 | 133.6 | 116.6 | 108.7 | 105.9 | 103.0 |
| 3828.6 | 50°   | 3562.5 | 2974.3 | 1108.1 | 343.7 | 163.6 | 122.3 | 109.3 | 103.6 | 100.8 | 98.0  |
| 4091.4 | 52.5° | 3730.7 | 2989.0 | 981.8  | 285.4 | 145.5 | 113.8 | 104.7 | 99.7  | 96.3  | 93.4  |
| 4303.7 | 55°   | 3805.4 | 2896.7 | 802.3  | 231.0 | 131.4 | 106.4 | 100.2 | 95.1  | 91.2  | 88.3  |
| 4470.7 | 57.5° | 3786.2 | 2702.5 | 625.7  | 185.7 | 117.8 | 99.1  | 94.6  | 91.2  | 86.6  | 82.1  |
| 4606.0 | 60°   | 3691.6 | 2442.6 | 471.6  | 154.6 | 105.3 | 91.2  | 88.3  | 85.5  | 79.3  | 72.5  |
| 4658.1 | 62.5° | 3528.0 | 2115.9 | 336.3  | 128.0 | 91.7  | 82.1  | 81.0  | 78.7  | 69.6  | 57.2  |
| 4581.1 | 65°   | 3277.7 | 1719.0 | 226.5  | 106.4 | 78.7  | 71.9  | 72.5  | 68.5  | 56.6  | 42.5  |
| 4299.2 | 67.5° | 2912.0 | 1257.0 | 144.9  | 87.2  | 65.7  | 60.0  | 60.6  | 58.3  | 48.1  | 36.2  |
| 3764.7 | 70°   | 2446.0 | 832.3  | 94.6   | 66.2  | 52.7  | 46.4  | 49.8  | 50.4  | 40.8  | 29.4  |
| 2889.3 | 72.5° | 1793.2 | 491.5  | 66.2   | 49.3  | 38.5  | 32.3  | 40.8  | 41.9  | 32.8  | 22.1  |
| 1738.2 | 75°   | 1022.0 | 233.3  | 49.8   | 35.7  | 23.8  | 22.6  | 31.7  | 31.7  | 22.6  | 14.7  |
| 752.5  | 77.5° | 429.2  | 97.4   | 35.1   | 23.2  | 13.6  | 13.0  | 21.5  | 19.8  | 11.3  | 6.8   |
| 183.4  | 80°   | 124.0  | 43.6   | 18.7   | 11.3  | 5.7   | 5.1   | 8.5   | 6.2   | 2.8   | 1.1   |
| 69.6   | 82.5° | 48.7   | 19.3   | 7.4    | 4.5   | 2.3   | 2.3   | 1.1   | 0.0   | 0.0   | 0.0   |
| 39.6   | 85°   | 28.9   | 7.9    | 3.4    | 1.7   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 8.5    | 87.5° | 7.4    | 1.7    | 1.1    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

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|-------|
| 180°  |
| <hr/> |
| 982.4 |
| 975.6 |
| 933.7 |
| 814.2 |
| 646.6 |
| 504.5 |
| 422.4 |
| 365.2 |
| 329.0 |
| 302.9 |
| 276.9 |
| 250.3 |
| 225.3 |
| 203.8 |
| 175.5 |
| 151.7 |
| 128.5 |
| 116.1 |
| 108.7 |
| 103.0 |
| 98.0  |
| 92.9  |
| 87.8  |
| 81.5  |
| 71.3  |
| 56.1  |
| 41.3  |
| 34.5  |
| 28.3  |
| 20.9  |
| 13.6  |
| 6.8   |
| 1.1   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |

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