

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: P850888

Luminaire Tested: **GLAN-SB8C-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850888  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8C-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 50175 lumens  
Efficiency: N/A  
Efficacy: 125.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5

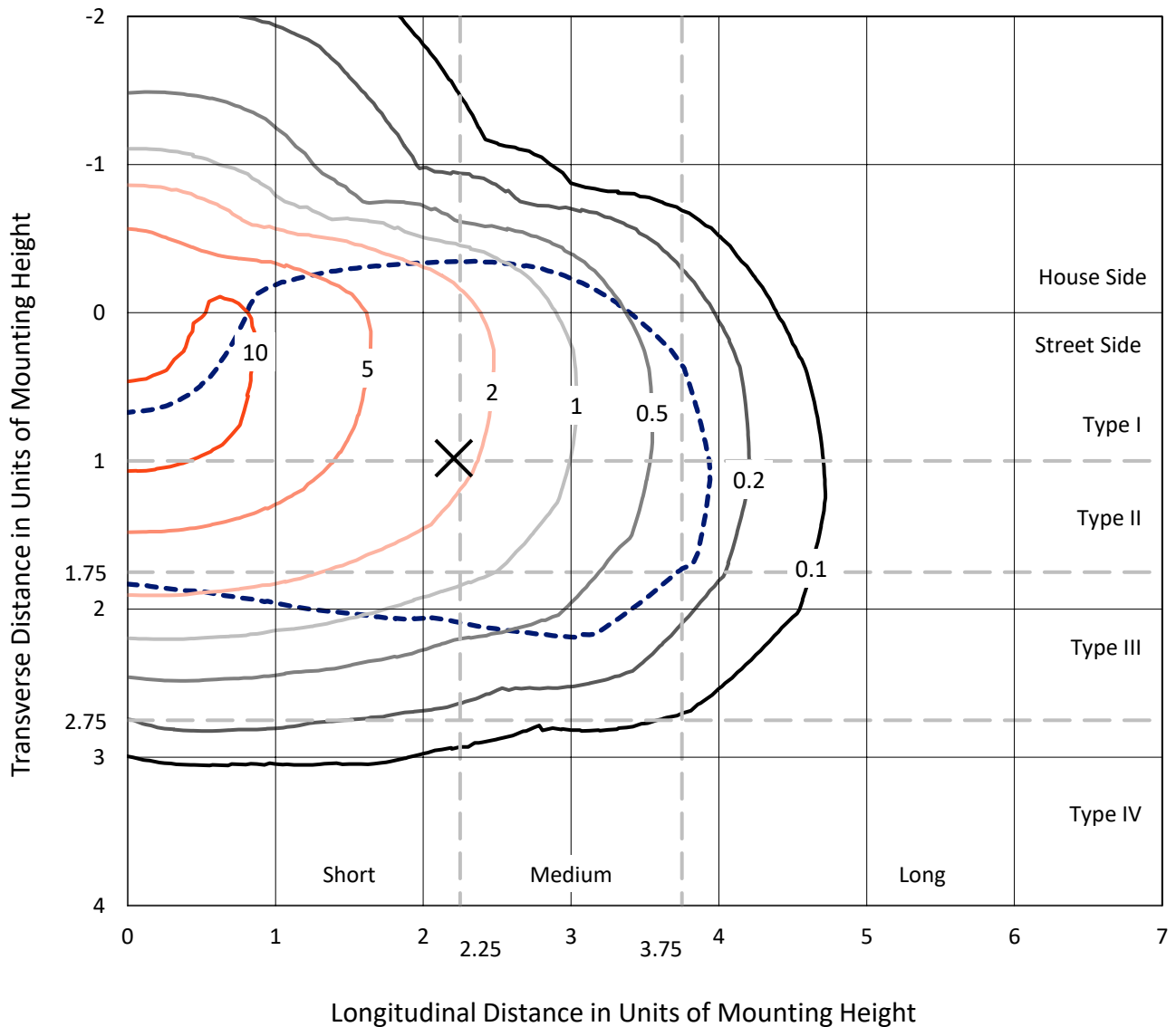
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

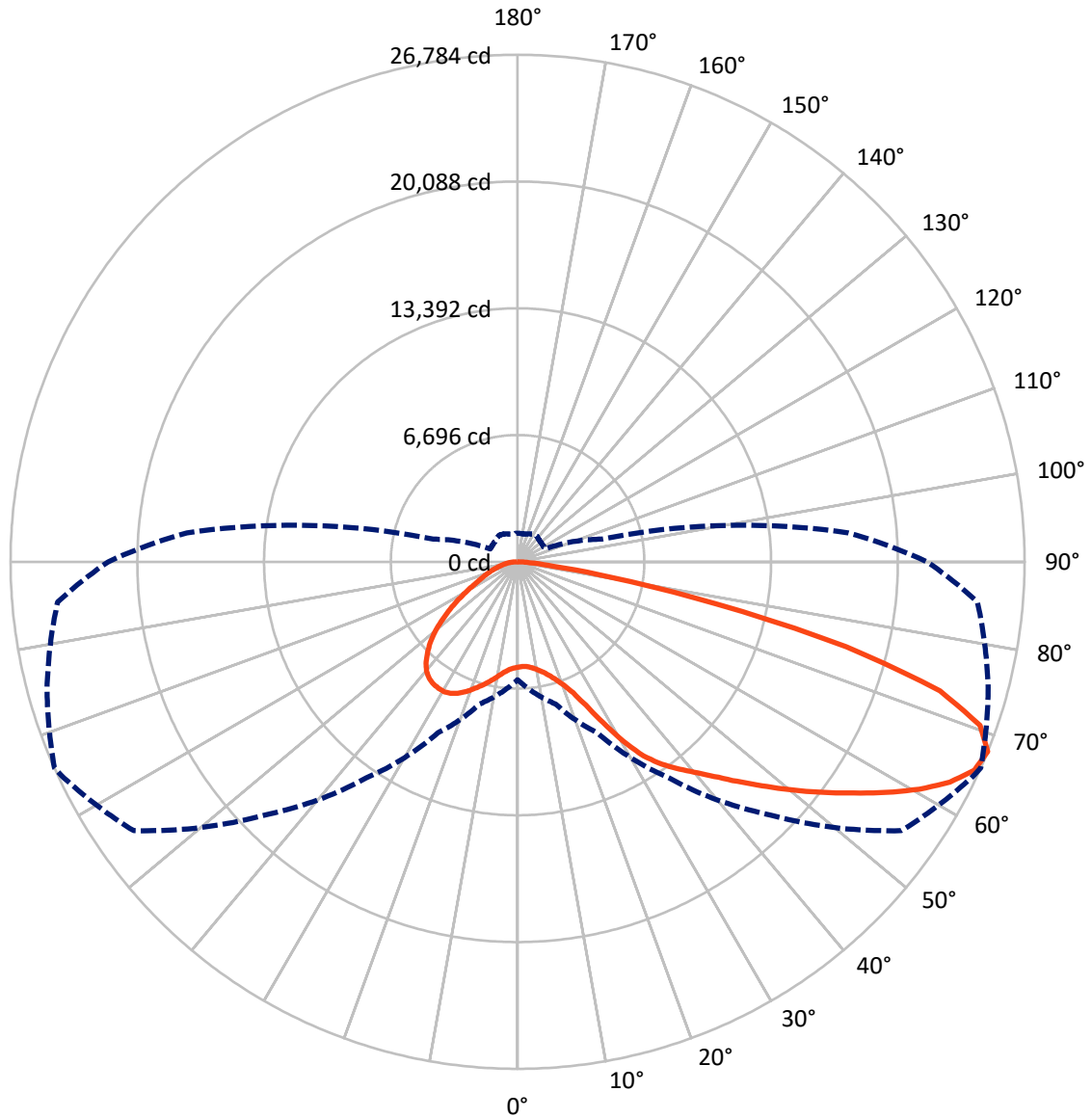
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12475.9  | 0.0    | 12475.9 |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 37699.1  | 0.0    | 37699.1 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 50175.0  | 0.0    | 50175.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 551.8   | 1.1       |
| 10°-20°   | 1822.9  | 3.6       |
| 20°-30°   | 3513.6  | 7.0       |
| 30°-40°   | 6160.6  | 12.3      |
| 40°-50°   | 9158.8  | 18.3      |
| 50°-60°   | 11609.7 | 23.1      |
| 60°-70°   | 11359.8 | 22.6      |
| 70°-80°   | 5418.7  | 10.8      |
| 80°-90°   | 579.1   | 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°    | 50175.0 | 100.0     |
| 0°-180°   | 50175.0 | 100.0     |

**Coefficient of Utilization**



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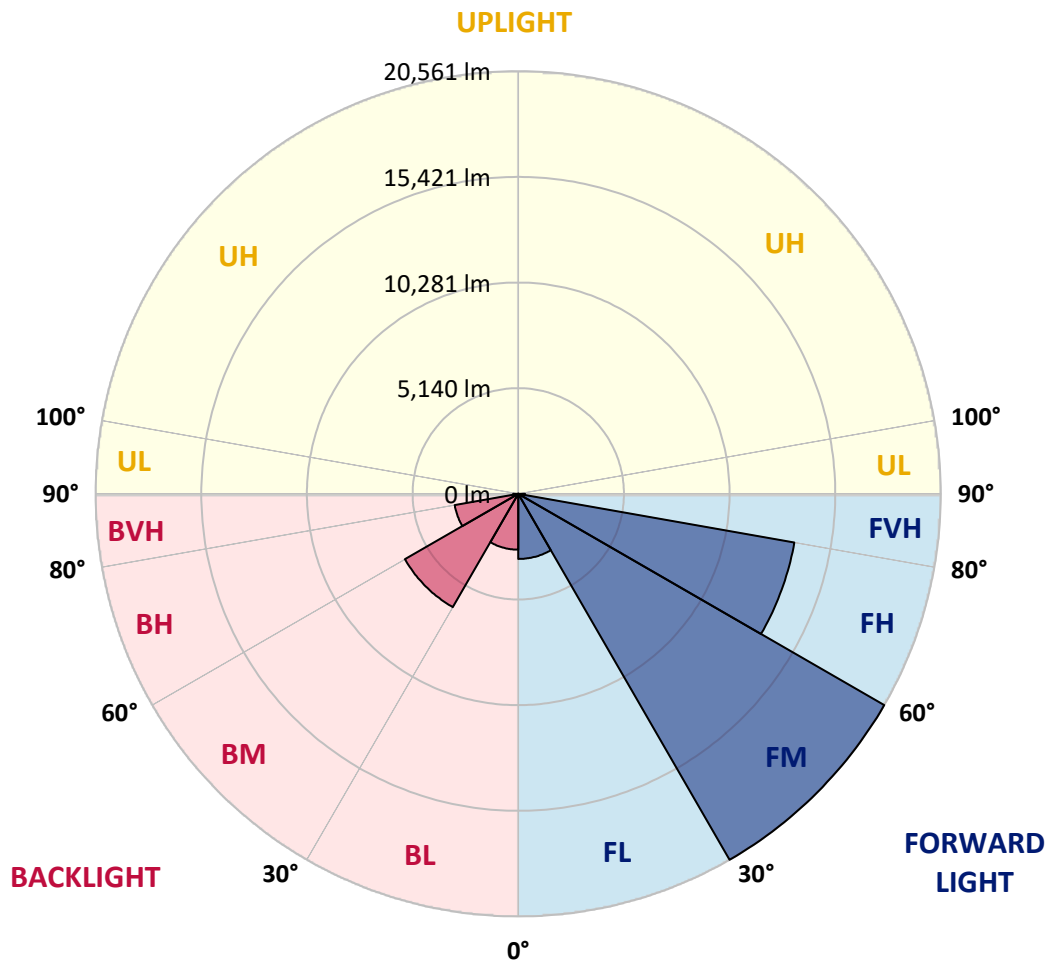
CATALOG NUMBER: GLAN-SB8C-835-U-T3

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3170.6  | 6.3       |                         |      |         |
| FM (30°-60°)   | 20561.3 | 41.0      |                         |      |         |
| FH (60°-80°)   | 13638.9 | 27.2      |                         |      | G5      |
| FVH (80°-90°)  | 328.3   | 0.7       |                         |      | G3/500  |
| BL (0°-30°)    | 2717.7  | 5.4       | B4/5000                 |      |         |
| BM (30°-60°)   | 6367.8  | 12.7      | B4/8500                 |      |         |
| BH (60°-80°)   | 3139.6  | 6.3       | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 250.8   | 0.5       |                         |      | G3/500  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5565.1  | 5565.1  | 5565.1  | 5565.1  | 5565.1  | 5565.1  | 5565.1  | 5565.1  | 5565.1  | 5565.1  |
| 2.5°  | 5507.1  | 5538.7  | 5530.8  | 5517.6  | 5515.0  | 5520.3  | 5528.2  | 5536.1  | 5533.4  | 5546.6  |
| 5°    | 5491.3  | 5522.9  | 5520.3  | 5520.3  | 5530.8  | 5551.9  | 5565.1  | 5578.3  | 5565.1  | 5580.9  |
| 7.5°  | 5501.8  | 5525.5  | 5536.1  | 5546.6  | 5573.0  | 5612.5  | 5644.2  | 5673.2  | 5657.3  | 5675.8  |
| 10°   | 5636.2  | 5654.7  | 5665.2  | 5665.2  | 5683.7  | 5728.5  | 5760.2  | 5812.9  | 5799.7  | 5828.7  |
| 12.5° | 5881.4  | 5899.9  | 5899.9  | 5889.3  | 5902.5  | 5931.5  | 5942.1  | 6000.0  | 5976.3  | 6023.8  |
| 15°   | 6181.9  | 6218.9  | 6189.9  | 6171.4  | 6176.7  | 6205.7  | 6203.0  | 6247.9  | 6224.1  | 6263.7  |
| 17.5° | 6514.1  | 6561.6  | 6514.1  | 6511.5  | 6500.9  | 6532.6  | 6535.2  | 6574.7  | 6532.6  | 6561.6  |
| 20°   | 6906.9  | 6972.8  | 6933.3  | 6946.5  | 6922.7  | 6935.9  | 6949.1  | 7007.1  | 6941.2  | 6962.3  |
| 22.5° | 7460.5  | 7539.6  | 7497.4  | 7547.5  | 7531.7  | 7521.1  | 7518.5  | 7621.3  | 7518.5  | 7526.4  |
| 25°   | 8267.2  | 8362.1  | 8288.3  | 8356.8  | 8356.8  | 8391.1  | 8430.6  | 8562.5  | 8391.1  | 8341.0  |
| 27.5° | 9458.8  | 9553.7  | 9408.7  | 9450.9  | 9437.7  | 9522.0  | 9479.9  | 9806.8  | 9622.2  | 9540.5  |
| 30°   | 10892.9 | 11061.6 | 10787.4 | 10776.9 | 10763.7 | 10898.2 | 10958.8 | 11175.0 | 10987.8 | 10906.1 |
| 32.5° | 12443.0 | 12619.6 | 12292.7 | 12197.8 | 12147.7 | 12229.4 | 12179.4 | 12353.3 | 12224.2 | 12097.6 |
| 35°   | 14082.7 | 14256.7 | 13945.6 | 13761.1 | 13560.7 | 13389.4 | 13210.1 | 13254.9 | 13133.7 | 12941.2 |
| 37.5° | 15632.8 | 15951.8 | 15622.3 | 15424.6 | 15055.5 | 14720.7 | 14219.8 | 14011.5 | 13898.2 | 13721.6 |
| 40°   | 17211.9 | 17393.8 | 17143.4 | 16974.7 | 16573.9 | 16049.3 | 15247.9 | 14807.7 | 14654.8 | 14483.4 |
| 42.5° | 18374.5 | 18548.5 | 18414.0 | 18298.0 | 17984.3 | 17375.4 | 16339.3 | 15788.4 | 15566.9 | 15374.5 |
| 45°   | 19297.2 | 19426.3 | 19342.0 | 19384.2 | 19249.7 | 18659.2 | 17470.3 | 16840.2 | 16610.9 | 16376.2 |
| 47.5° | 19668.9 | 19806.0 | 19940.4 | 20190.8 | 20420.2 | 19985.2 | 18685.6 | 17979.1 | 17736.5 | 17496.6 |
| 50°   | 19626.7 | 19766.4 | 20156.6 | 20689.1 | 21400.9 | 21255.9 | 19966.8 | 19191.7 | 18967.6 | 18693.5 |
| 52.5° | 19289.3 | 19447.4 | 19948.3 | 20834.1 | 21967.7 | 22207.6 | 21271.7 | 20443.9 | 20233.0 | 19906.1 |
| 55°   | 18403.5 | 18498.4 | 19249.7 | 20504.6 | 22102.1 | 22871.9 | 22550.3 | 21777.9 | 21567.0 | 21110.9 |
| 57.5° | 16761.1 | 16898.2 | 17992.2 | 19616.1 | 21764.7 | 23322.7 | 23673.3 | 23180.3 | 22977.3 | 22320.9 |
| 60°   | 14617.9 | 14836.7 | 16088.9 | 18124.0 | 20905.3 | 23320.0 | 24693.5 | 24559.1 | 24390.4 | 23512.5 |
| 62.5° | 12192.5 | 12445.6 | 13650.4 | 16015.1 | 19402.6 | 22658.4 | 25331.5 | 25713.7 | 25626.7 | 24611.8 |
| 65°   | 9363.9  | 9537.9  | 10737.3 | 13286.6 | 17064.3 | 21237.4 | 25405.3 | 26502.0 | 26517.8 | 25447.5 |
| 67.5° | 6234.7  | 6735.6  | 7776.9  | 9970.2  | 13932.4 | 18914.9 | 24756.8 | 26631.1 | 26784.0 | 25734.8 |
| 70°   | 3042.2  | 3701.3  | 4721.5  | 6479.8  | 9970.2  | 15353.4 | 23061.7 | 25571.4 | 25911.5 | 24896.5 |
| 72.5° | 1262.8  | 1476.3  | 2032.5  | 3197.7  | 5723.2  | 10360.4 | 19655.7 | 22697.9 | 23328.0 | 22059.9 |
| 75°   | 851.5   | 922.7   | 1162.6  | 1639.7  | 2607.2  | 5109.0  | 14175.0 | 16924.6 | 17939.5 | 16660.9 |
| 77.5° | 656.4   | 701.2   | 846.2   | 1146.8  | 1550.1  | 1932.4  | 7587.1  | 10199.6 | 10724.2 | 9928.0  |
| 80°   | 516.7   | 551.0   | 632.7   | 835.7   | 1099.3  | 1033.4  | 2586.1  | 4621.3  | 4924.5  | 4131.0  |
| 82.5° | 448.2   | 461.3   | 453.4   | 566.8   | 730.2   | 603.7   | 848.9   | 1705.6  | 1882.3  | 1365.6  |
| 85°   | 324.3   | 361.2   | 377.0   | 350.6   | 387.5   | 305.8   | 348.0   | 603.7   | 664.3   | 593.2   |
| 87.5° | 131.8   | 195.1   | 239.9   | 226.7   | 142.4   | 87.0    | 108.1   | 176.6   | 203.0   | 221.4   |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 5565.1  | 0°    | 5565.1  | 5565.1  | 5565.1  | 5565.1 | 5565.1 | 5565.1 | 5565.1 | 5565.1 | 5565.1 | 5565.1 |
| 5567.7  | 2.5°  | 5570.3  | 5588.8  | 5602.0  | 5617.8 | 5628.3 | 5644.2 | 5675.8 | 5694.2 | 5696.9 | 5710.1 |
| 5609.9  | 5°    | 5620.4  | 5646.8  | 5675.8  | 5718.0 | 5765.4 | 5805.0 | 5865.6 | 5907.8 | 5923.6 | 5936.8 |
| 5712.7  | 7.5°  | 5728.5  | 5765.4  | 5818.1  | 5892.0 | 5960.5 | 6013.2 | 6087.0 | 6137.1 | 6187.2 | 6205.7 |
| 5876.1  | 10°   | 5889.3  | 5942.1  | 6018.5  | 6118.7 | 6192.5 | 6261.0 | 6337.5 | 6379.7 | 6429.8 | 6450.8 |
| 6071.2  | 12.5° | 6089.7  | 6145.0  | 6245.2  | 6384.9 | 6453.5 | 6500.9 | 6527.3 | 6516.7 | 6527.3 | 6545.7 |
| 6305.8  | 15°   | 6319.0  | 6379.7  | 6493.0  | 6643.3 | 6690.7 | 6648.6 | 6590.6 | 6537.8 | 6529.9 | 6535.2 |
| 6590.6  | 17.5° | 6590.6  | 6635.4  | 6767.2  | 6893.7 | 6859.5 | 6685.5 | 6558.9 | 6474.6 | 6432.4 | 6419.2 |
| 6954.4  | 20°   | 6970.2  | 6970.2  | 7078.3  | 7157.4 | 6928.0 | 6632.7 | 6435.0 | 6297.9 | 6210.9 | 6174.0 |
| 7450.0  | 22.5° | 7431.5  | 7389.3  | 7457.9  | 7402.5 | 6914.8 | 6485.1 | 6210.9 | 5973.7 | 5841.9 | 5789.1 |
| 8143.3  | 25°   | 8016.8  | 7966.7  | 7948.2  | 7605.5 | 6819.9 | 6250.5 | 5805.0 | 5517.6 | 5401.6 | 5372.6 |
| 9142.4  | 27.5° | 8899.9  | 8773.4  | 8533.5  | 7716.2 | 6645.9 | 5881.4 | 5330.4 | 5064.2 | 4998.3 | 5000.9 |
| 10426.3 | 30°   | 10075.7 | 9822.6  | 9234.7  | 7734.7 | 6361.2 | 5359.4 | 4845.4 | 4655.6 | 4623.9 | 4637.1 |
| 11504.5 | 32.5° | 11164.4 | 10924.5 | 9951.7  | 7650.3 | 5923.6 | 4848.0 | 4410.4 | 4283.9 | 4236.4 | 4252.2 |
| 12327.0 | 35°   | 12018.5 | 11952.6 | 10616.1 | 7531.7 | 5385.8 | 4368.2 | 4020.2 | 3912.2 | 3819.9 | 3798.8 |
| 13102.0 | 37.5° | 12825.2 | 12798.9 | 11114.3 | 7365.6 | 4853.3 | 4028.2 | 3706.5 | 3564.2 | 3429.7 | 3355.9 |
| 13958.8 | 40°   | 13711.0 | 13684.6 | 11441.2 | 7109.9 | 4381.4 | 3732.9 | 3424.5 | 3237.3 | 3071.2 | 2936.8 |
| 14928.9 | 42.5° | 14707.5 | 14552.0 | 11596.8 | 6743.5 | 3980.7 | 3482.5 | 3195.1 | 2942.0 | 2723.2 | 2599.3 |
| 16025.6 | 45°   | 15796.3 | 15445.6 | 11594.1 | 6276.9 | 3643.3 | 3253.1 | 2949.9 | 2591.4 | 2388.4 | 2272.4 |
| 17151.3 | 47.5° | 16950.9 | 16299.8 | 11451.8 | 5760.2 | 3316.4 | 3000.0 | 2570.3 | 2296.2 | 2161.7 | 2090.5 |
| 18374.5 | 50°   | 18142.5 | 17098.6 | 11209.2 | 5167.0 | 2981.6 | 2712.7 | 2333.1 | 2145.9 | 2043.1 | 1977.2 |
| 19587.2 | 52.5° | 19262.9 | 17823.5 | 10916.6 | 4494.8 | 2641.5 | 2433.2 | 2227.6 | 2082.6 | 1974.5 | 1900.7 |
| 20762.9 | 55°   | 20304.2 | 18448.3 | 10502.7 | 3806.7 | 2364.7 | 2246.1 | 2177.5 | 2056.3 | 1932.4 | 1845.4 |
| 21957.1 | 57.5° | 21229.5 | 18854.3 | 9788.3  | 3160.8 | 2167.0 | 2116.9 | 2124.8 | 2011.4 | 1869.1 | 1795.3 |
| 23132.9 | 60°   | 21999.3 | 19152.2 | 8731.2  | 2562.4 | 2006.2 | 1990.3 | 2043.1 | 1927.1 | 1761.0 | 1676.6 |
| 24126.7 | 62.5° | 22460.6 | 19146.9 | 7434.2  | 2098.4 | 1869.1 | 1874.4 | 1935.0 | 1821.6 | 1652.9 | 1573.8 |
| 24646.1 | 65°   | 22421.1 | 18677.7 | 6010.6  | 1795.3 | 1737.3 | 1742.5 | 1821.6 | 1705.6 | 1563.3 | 1515.8 |
| 24385.1 | 67.5° | 21627.6 | 17533.5 | 4610.8  | 1597.6 | 1592.3 | 1616.0 | 1708.3 | 1626.6 | 1507.9 | 1502.6 |
| 22829.7 | 70°   | 19479.1 | 15158.3 | 3321.6  | 1439.4 | 1442.0 | 1476.3 | 1597.6 | 1576.5 | 1478.9 | 1489.5 |
| 19194.4 | 72.5° | 15619.6 | 11557.2 | 2230.2  | 1273.3 | 1275.9 | 1331.3 | 1492.1 | 1536.9 | 1449.9 | 1589.6 |
| 13618.7 | 75°   | 10402.5 | 7207.4  | 1434.1  | 1096.7 | 1099.3 | 1170.5 | 1399.8 | 1460.5 | 1370.8 | 1584.4 |
| 7086.2  | 77.5° | 4998.3  | 3239.9  | 1038.7  | 922.7  | 922.7  | 988.6  | 1210.0 | 1307.6 | 1167.8 | 1231.1 |
| 2277.7  | 80°   | 1726.7  | 1217.9  | 817.2   | 743.4  | 727.6  | 772.4  | 1020.2 | 1133.6 | 1007.0 | 928.0  |
| 743.4   | 82.5° | 680.1   | 632.7   | 656.4   | 577.3  | 524.6  | 553.6  | 793.5  | 935.9  | 740.8  | 669.6  |
| 419.2   | 85°   | 390.2   | 411.3   | 464.0   | 382.3  | 303.2  | 340.1  | 582.6  | 672.2  | 558.9  | 493.0  |
| 137.1   | 87.5° | 105.4   | 145.0   | 213.5   | 197.7  | 137.1  | 145.0  | 276.8  | 371.7  | 321.6  | 247.8  |
| 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°   |
|--------|
| 5565.1 |
| 5707.4 |
| 5934.1 |
| 6208.3 |
| 6461.4 |
| 6551.0 |
| 6553.7 |
| 6437.7 |
| 6166.1 |
| 5781.2 |
| 5377.9 |
| 5008.8 |
| 4681.9 |
| 4273.3 |
| 3814.6 |
| 3358.6 |
| 2949.9 |
| 2607.2 |
| 2267.2 |
| 2074.7 |
| 1953.4 |
| 1869.1 |
| 1811.1 |
| 1747.8 |
| 1639.7 |
| 1550.1 |
| 1513.2 |
| 1510.6 |
| 1486.8 |
| 1610.7 |
| 1597.6 |
| 1128.3 |
| 870.0  |
| 667.0  |
| 503.5  |
| 255.7  |
| 0.0    |

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