

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: P944524

Luminaire Tested: **GLAN-SB9C-735-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944524  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 49811 lumens  
Efficiency: N/A  
Efficacy: 110.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

Input Watts (W): 449.8  
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

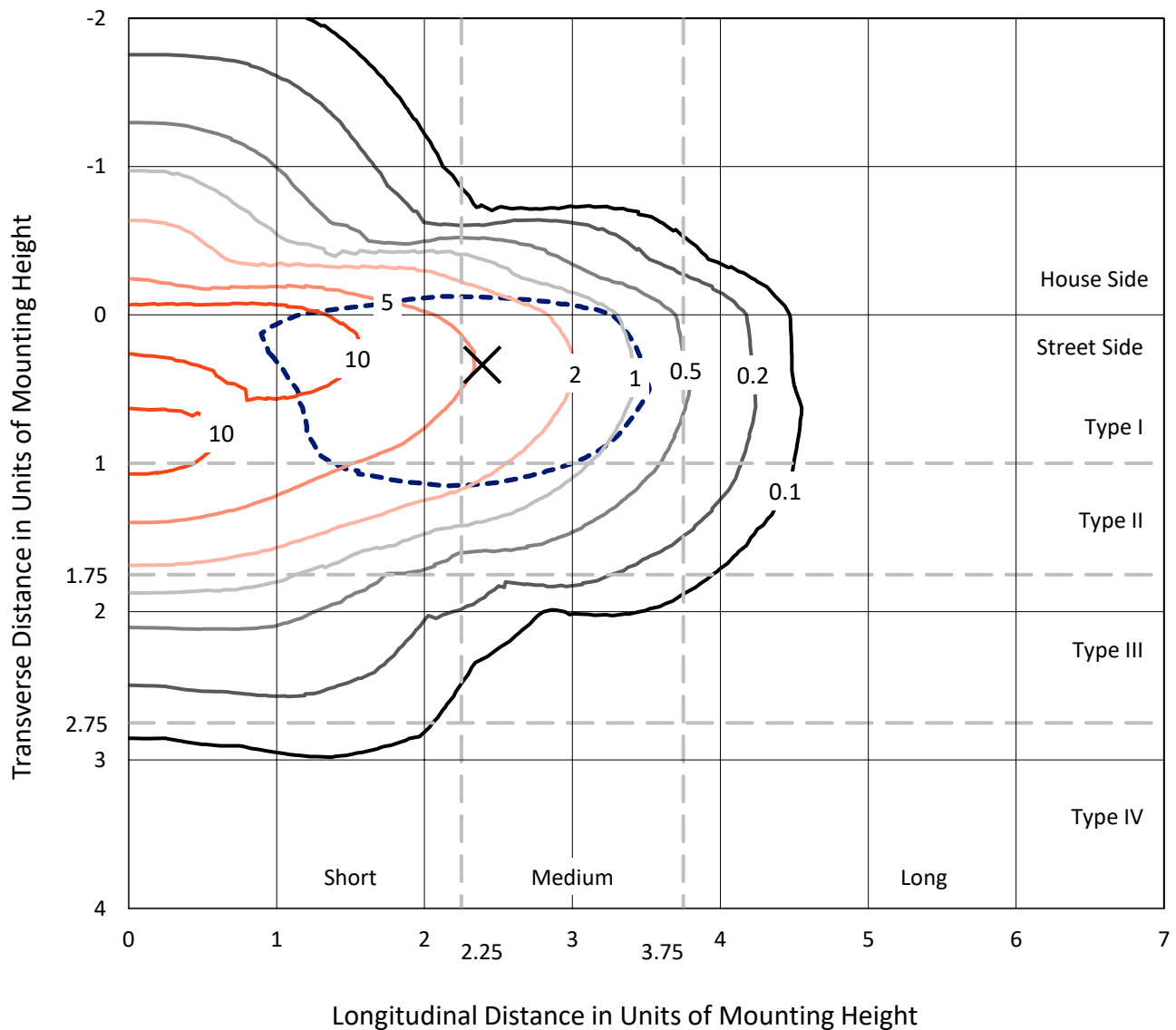


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## Iso-Footcandle Lines of Horizontal Illumination

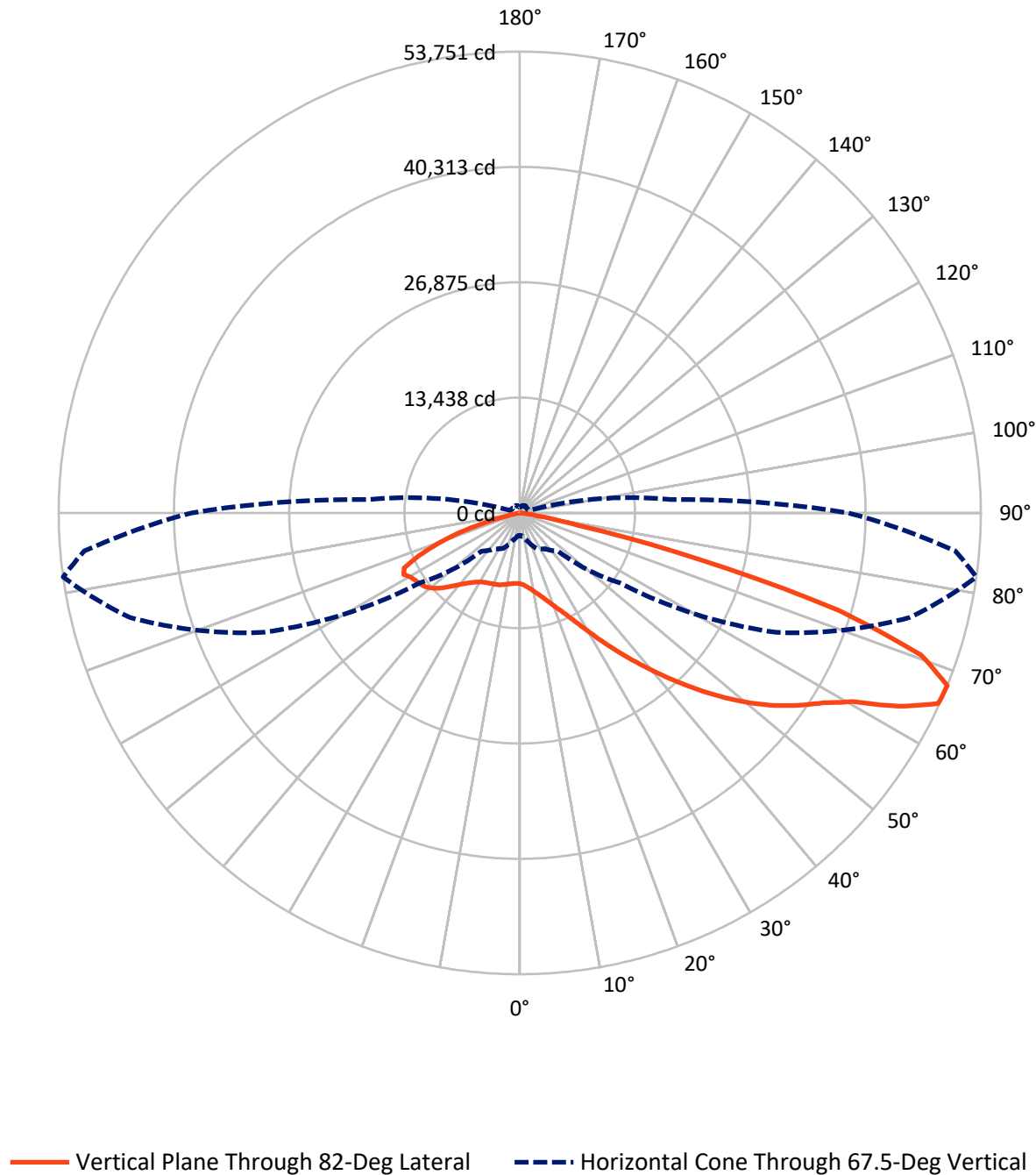
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.5 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9022.8   | 0.0    | 9022.8  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 40788.2  | 0.0    | 40788.2 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 49811.0  | 0.0    | 49811.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 735.2   | 1.5       |
| 10°-20°   | 1910.5  | 3.8       |
| 20°-30°   | 3060.0  | 6.1       |
| 30°-40°   | 5410.9  | 10.9      |
| 40°-50°   | 9480.5  | 19.0      |
| 50°-60°   | 12644.3 | 25.4      |
| 60°-70°   | 11771.2 | 23.6      |
| 70°-80°   | 4517.8  | 9.1       |
| 80°-90°   | 280.6   | 0.6       |
| 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°    | 49811.0 | 100.0     |
| 0°-180°   | 49811.0 | 100.0     |

**Coefficient of Utilization**



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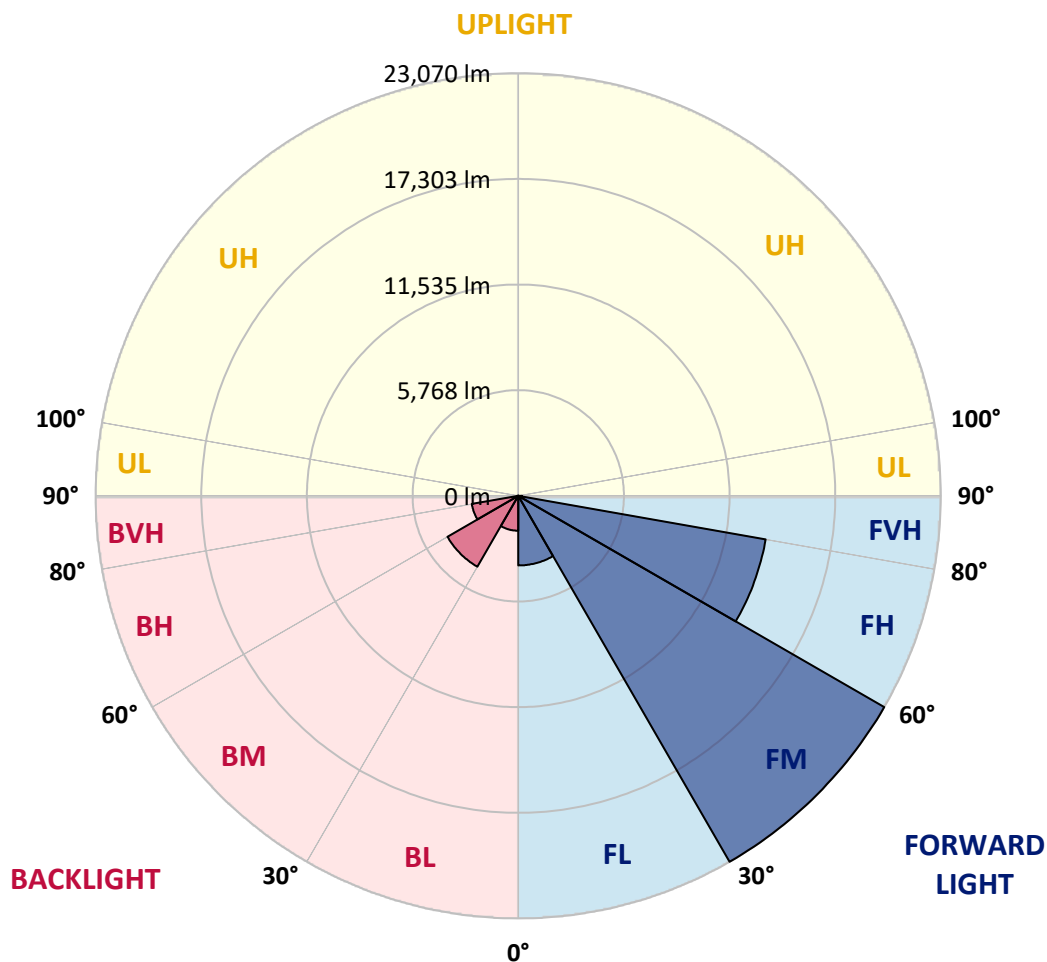
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3800.0  | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 23070.4 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 13713.7 | 27.5      |                         |      | G5      |
| FVH  | (80°-90°)   | 204.0   | 0.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1905.6  | 3.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4465.4  | 9.0       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2575.3  | 5.2       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 76.6    | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8252.0  | 8252.0  | 8252.0  | 8252.0  | 8252.0  | 8252.0  | 8252.0  | 8252.0  | 8252.0  | 8252.0  |
| 2.5°  | 8721.8  | 8772.0  | 8743.3  | 8729.0  | 8703.9  | 8668.0  | 8639.3  | 8549.7  | 8456.4  | 8395.4  |
| 5°    | 8897.5  | 8947.7  | 8944.1  | 8958.5  | 8976.4  | 8987.2  | 8980.0  | 8879.6  | 8746.9  | 8642.9  |
| 7.5°  | 8746.9  | 8804.3  | 8850.9  | 8922.6  | 9048.1  | 9180.8  | 9245.4  | 9223.9  | 9087.6  | 8944.1  |
| 10°   | 8320.1  | 8381.1  | 8492.3  | 8660.8  | 8926.2  | 9213.1  | 9453.4  | 9564.6  | 9478.5  | 9320.7  |
| 12.5° | 7538.3  | 7599.3  | 7818.1  | 8183.9  | 8628.6  | 9127.0  | 9586.1  | 9883.7  | 9905.3  | 9747.5  |
| 15°   | 6659.7  | 6720.7  | 6953.8  | 7412.8  | 8090.6  | 8890.4  | 9657.8  | 10220.9 | 10410.9 | 10274.7 |
| 17.5° | 6114.6  | 6168.4  | 6344.1  | 6713.5  | 7420.0  | 8417.0  | 9632.7  | 10579.5 | 11013.4 | 10905.8 |
| 20°   | 5949.6  | 5996.2  | 6078.7  | 6336.9  | 6925.1  | 7925.6  | 9467.7  | 10916.6 | 11662.5 | 11601.6 |
| 22.5° | 6125.3  | 6168.4  | 6193.5  | 6308.2  | 6677.6  | 7602.9  | 9259.7  | 11260.9 | 12415.7 | 12422.8 |
| 25°   | 6530.6  | 6573.6  | 6544.9  | 6616.7  | 6778.0  | 7502.5  | 9180.8  | 11666.1 | 13362.4 | 13441.3 |
| 27.5° | 7197.6  | 7201.2  | 7133.1  | 7129.5  | 7154.6  | 7653.1  | 9263.3  | 12100.1 | 14556.7 | 14703.7 |
| 30°   | 8535.3  | 8481.5  | 8219.7  | 7936.4  | 7807.3  | 8105.0  | 9492.8  | 12612.9 | 15966.1 | 16227.9 |
| 32.5° | 10597.4 | 10518.5 | 10038.0 | 9360.2  | 8678.8  | 8833.0  | 9905.3  | 13197.5 | 17501.0 | 17974.4 |
| 35°   | 12835.2 | 12813.7 | 12311.6 | 11303.9 | 10113.3 | 9869.4  | 10575.9 | 13964.9 | 19175.8 | 19928.9 |
| 37.5° | 14915.3 | 14904.5 | 14617.6 | 13430.6 | 11981.7 | 11314.7 | 11651.8 | 14969.1 | 20968.9 | 22059.1 |
| 40°   | 16816.0 | 16848.3 | 16561.4 | 15499.8 | 14040.2 | 13168.8 | 13115.0 | 16209.9 | 22962.9 | 24379.4 |
| 42.5° | 18458.5 | 18494.4 | 18203.9 | 17418.5 | 16073.6 | 15220.1 | 14911.7 | 17730.5 | 24910.2 | 26871.9 |
| 45°   | 19573.8 | 19796.2 | 19753.2 | 19125.6 | 18160.8 | 17275.0 | 17070.6 | 19638.4 | 27130.1 | 29515.0 |
| 47.5° | 19889.4 | 20093.8 | 20416.6 | 20502.7 | 19914.5 | 19043.1 | 19286.9 | 21937.2 | 29375.1 | 32161.6 |
| 50°   | 19111.2 | 19301.3 | 19971.9 | 20864.9 | 21273.7 | 21004.8 | 21442.3 | 24401.0 | 31673.9 | 34801.1 |
| 52.5° | 17576.3 | 17769.9 | 18616.3 | 20029.3 | 21696.9 | 22543.3 | 23604.8 | 26828.9 | 33901.0 | 37300.7 |
| 55°   | 15356.4 | 15560.8 | 16647.4 | 18246.9 | 20890.0 | 23178.0 | 25408.7 | 29253.2 | 35941.6 | 39549.3 |
| 57.5° | 12336.8 | 12487.4 | 13617.1 | 15854.9 | 18860.2 | 22546.9 | 26739.2 | 31899.8 | 37863.8 | 41758.5 |
| 60°   | 8040.4  | 8173.1  | 9485.7  | 11981.7 | 15496.3 | 20438.1 | 27004.6 | 34851.3 | 40417.2 | 44631.1 |
| 62.5° | 5347.1  | 5436.8  | 6215.0  | 8047.6  | 10913.0 | 16389.2 | 25451.7 | 37207.5 | 44161.3 | 49630.3 |
| 65°   | 3668.7  | 3758.4  | 4536.6  | 5813.3  | 7050.6  | 10841.3 | 20986.8 | 36895.5 | 47553.9 | 53600.3 |
| 67.5° | 2618.0  | 2693.3  | 3353.2  | 4558.1  | 5103.3  | 6297.5  | 14226.7 | 32907.6 | 47066.1 | 53750.9 |
| 70°   | 1875.6  | 1918.7  | 2463.8  | 3550.4  | 4056.1  | 3783.5  | 7911.3  | 25168.4 | 41209.8 | 49633.9 |
| 72.5° | 1312.6  | 1326.9  | 1710.6  | 2704.0  | 3267.1  | 2761.4  | 3765.6  | 16780.1 | 31168.2 | 38957.6 |
| 75°   | 889.4   | 907.3   | 1151.2  | 1983.2  | 2621.6  | 2108.7  | 1994.0  | 8997.9  | 18297.1 | 21564.2 |
| 77.5° | 545.1   | 552.3   | 742.4   | 1355.6  | 1961.7  | 1606.6  | 1283.9  | 3812.2  | 7079.3  | 6950.2  |
| 80°   | 308.4   | 308.4   | 473.4   | 842.8   | 1337.7  | 1036.4  | 900.2   | 1621.0  | 2241.4  | 1968.9  |
| 82.5° | 172.1   | 175.7   | 344.3   | 523.6   | 885.8   | 613.3   | 494.9   | 749.5   | 968.3   | 857.1   |
| 85°   | 71.7    | 78.9    | 211.6   | 247.5   | 423.2   | 304.8   | 200.8   | 315.6   | 358.6   | 319.2   |
| 87.5° | 7.2     | 10.8    | 64.6    | 46.6    | 50.2    | 61.0    | 28.7    | 61.0    | 50.2    | 50.2    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8252.0  | 0°    | 8252.0  | 8252.0  | 8252.0 | 8252.0 | 8252.0 | 8252.0 | 8252.0 | 8252.0 | 8252.0 | 8252.0 |
| 8373.9  | 2.5°  | 8305.8  | 8252.0  | 8115.7 | 7957.9 | 7749.9 | 7649.5 | 7513.2 | 7420.0 | 7341.1 | 7348.3 |
| 8581.9  | 5°    | 8467.2  | 8330.9  | 8026.1 | 7645.9 | 7172.5 | 6835.4 | 6476.8 | 6229.3 | 6028.5 | 5985.5 |
| 8868.8  | 7.5°  | 8689.5  | 8474.3  | 7940.0 | 7255.0 | 6455.3 | 5849.2 | 5307.7 | 4959.8 | 4712.4 | 4633.5 |
| 9216.7  | 10°   | 8976.4  | 8664.4  | 7828.8 | 6763.7 | 5612.5 | 4841.5 | 4260.5 | 3987.9 | 3819.4 | 3762.0 |
| 9625.5  | 12.5° | 9309.9  | 8883.2  | 7681.8 | 6164.8 | 4744.6 | 4002.3 | 3632.9 | 3496.6 | 3442.8 | 3424.9 |
| 10127.6 | 15°   | 9729.5  | 9155.7  | 7459.4 | 5454.7 | 4009.4 | 3489.4 | 3331.6 | 3313.7 | 3320.9 | 3313.7 |
| 10730.1 | 17.5° | 10228.0 | 9453.4  | 7097.2 | 4723.1 | 3514.5 | 3227.6 | 3170.3 | 3184.6 | 3202.5 | 3198.9 |
| 11404.3 | 20°   | 10773.1 | 9747.5  | 6634.6 | 4074.0 | 3177.4 | 3041.2 | 3008.9 | 3023.2 | 3037.6 | 3030.4 |
| 12182.5 | 22.5° | 11393.6 | 10063.1 | 6121.8 | 3568.3 | 2951.5 | 2869.0 | 2833.1 | 2836.7 | 2836.7 | 2822.4 |
| 13168.8 | 25°   | 12135.9 | 10410.9 | 5583.8 | 3209.7 | 2779.4 | 2714.8 | 2671.8 | 2657.4 | 2635.9 | 2592.9 |
| 14366.6 | 27.5° | 13021.7 | 10780.3 | 5067.4 | 2958.7 | 2643.1 | 2582.1 | 2531.9 | 2496.0 | 2442.2 | 2370.5 |
| 15804.7 | 30°   | 14018.7 | 11228.6 | 4629.9 | 2800.9 | 2535.5 | 2474.5 | 2417.1 | 2363.3 | 2284.5 | 2194.8 |
| 17457.9 | 32.5° | 15191.4 | 11709.2 | 4310.7 | 2696.9 | 2438.7 | 2374.1 | 2306.0 | 2241.4 | 2155.3 | 2065.7 |
| 19315.6 | 35°   | 16590.1 | 12290.1 | 4124.2 | 2625.1 | 2363.3 | 2277.3 | 2202.0 | 2130.2 | 2065.7 | 1986.8 |
| 21334.7 | 37.5° | 18107.1 | 12907.0 | 4066.8 | 2589.3 | 2313.1 | 2180.4 | 2094.4 | 2044.2 | 2037.0 | 1990.4 |
| 23518.7 | 40°   | 19767.5 | 13638.6 | 4109.9 | 2567.8 | 2259.3 | 2087.2 | 1994.0 | 1983.2 | 2001.1 | 1918.7 |
| 25853.4 | 42.5° | 21524.8 | 14506.4 | 4181.6 | 2542.7 | 2184.0 | 1994.0 | 1904.3 | 1904.3 | 1890.0 | 1775.2 |
| 28320.7 | 45°   | 23425.5 | 15507.0 | 4253.3 | 2481.7 | 2094.4 | 1900.7 | 1832.6 | 1807.5 | 1746.5 | 1635.3 |
| 30802.4 | 47.5° | 25340.6 | 16525.5 | 4307.1 | 2370.5 | 1986.8 | 1821.8 | 1760.9 | 1703.5 | 1613.8 | 1513.4 |
| 33237.5 | 50°   | 27158.8 | 17440.0 | 4249.7 | 2205.6 | 1864.9 | 1746.5 | 1682.0 | 1603.1 | 1506.2 | 1438.1 |
| 35543.5 | 52.5° | 28783.4 | 18232.6 | 4005.9 | 2011.9 | 1735.8 | 1667.6 | 1610.2 | 1527.7 | 1448.9 | 1377.1 |
| 37623.5 | 55°   | 30196.4 | 18874.5 | 3575.5 | 1829.0 | 1621.0 | 1599.5 | 1542.1 | 1438.1 | 1330.5 | 1269.5 |
| 39685.6 | 57.5° | 31552.0 | 19362.2 | 3037.6 | 1678.4 | 1517.0 | 1524.2 | 1438.1 | 1344.8 | 1244.4 | 1179.9 |
| 42465.0 | 60°   | 33355.9 | 20014.9 | 2492.5 | 1538.5 | 1405.8 | 1427.3 | 1334.1 | 1266.0 | 1140.4 | 1057.9 |
| 47231.1 | 62.5° | 36239.2 | 21029.9 | 1979.6 | 1366.4 | 1276.7 | 1283.9 | 1244.4 | 1162.0 | 1011.3 | 914.5  |
| 50763.6 | 65°   | 38527.3 | 20656.9 | 1560.0 | 1179.9 | 1129.7 | 1140.4 | 1140.4 | 1050.8 | 889.4  | 778.2  |
| 50953.7 | 67.5° | 38269.0 | 17687.5 | 1244.4 | 997.0  | 989.8  | 997.0  | 1022.1 | 946.8  | 789.0  | 699.3  |
| 47073.3 | 70°   | 35253.0 | 14068.9 | 997.0  | 828.4  | 860.7  | 842.8  | 914.5  | 864.3  | 710.1  | 620.4  |
| 36493.8 | 72.5° | 28765.4 | 10134.8 | 760.3  | 685.0  | 659.9  | 688.6  | 824.8  | 778.2  | 591.7  | 491.3  |
| 19330.0 | 75°   | 16808.8 | 5408.1  | 566.6  | 541.5  | 477.0  | 573.8  | 731.6  | 663.5  | 451.9  | 362.2  |
| 5924.5  | 77.5° | 5472.6  | 1886.4  | 416.0  | 398.1  | 355.0  | 462.6  | 624.0  | 559.5  | 369.4  | 286.9  |
| 1735.8  | 80°   | 1466.8  | 570.2   | 283.3  | 261.8  | 229.5  | 344.3  | 494.9  | 444.7  | 265.4  | 186.5  |
| 745.9   | 82.5° | 588.1   | 240.3   | 165.0  | 147.0  | 125.5  | 236.7  | 390.9  | 358.6  | 197.2  | 118.3  |
| 233.1   | 85°   | 190.1   | 78.9    | 61.0   | 46.6   | 57.4   | 147.0  | 233.1  | 243.9  | 139.9  | 61.0   |
| 35.9    | 87.5° | 25.1    | 10.8    | 10.8   | 14.3   | 10.8   | 25.1   | 71.7   | 68.1   | 39.4   | 7.2    |
| 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°   |
|--------|
| 8252.0 |
| 7276.5 |
| 5888.6 |
| 4554.6 |
| 3719.0 |
| 3414.1 |
| 3310.1 |
| 3191.8 |
| 3026.8 |
| 2815.2 |
| 2585.7 |
| 2363.3 |
| 2187.6 |
| 2069.3 |
| 1979.6 |
| 1986.8 |
| 1922.2 |
| 1775.2 |
| 1631.8 |
| 1509.8 |
| 1427.3 |
| 1370.0 |
| 1262.4 |
| 1172.7 |
| 1047.2 |
| 907.3  |
| 767.5  |
| 685.0  |
| 609.7  |
| 480.6  |
| 351.5  |
| 276.1  |
| 182.9  |
| 118.3  |
| 46.6   |
| 0.0    |
| 0.0    |