

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: P943134

Luminaire Tested: **GLAN-SB7C-722-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943134  
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-SB7C-722-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 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: 32128 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 350.5  
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



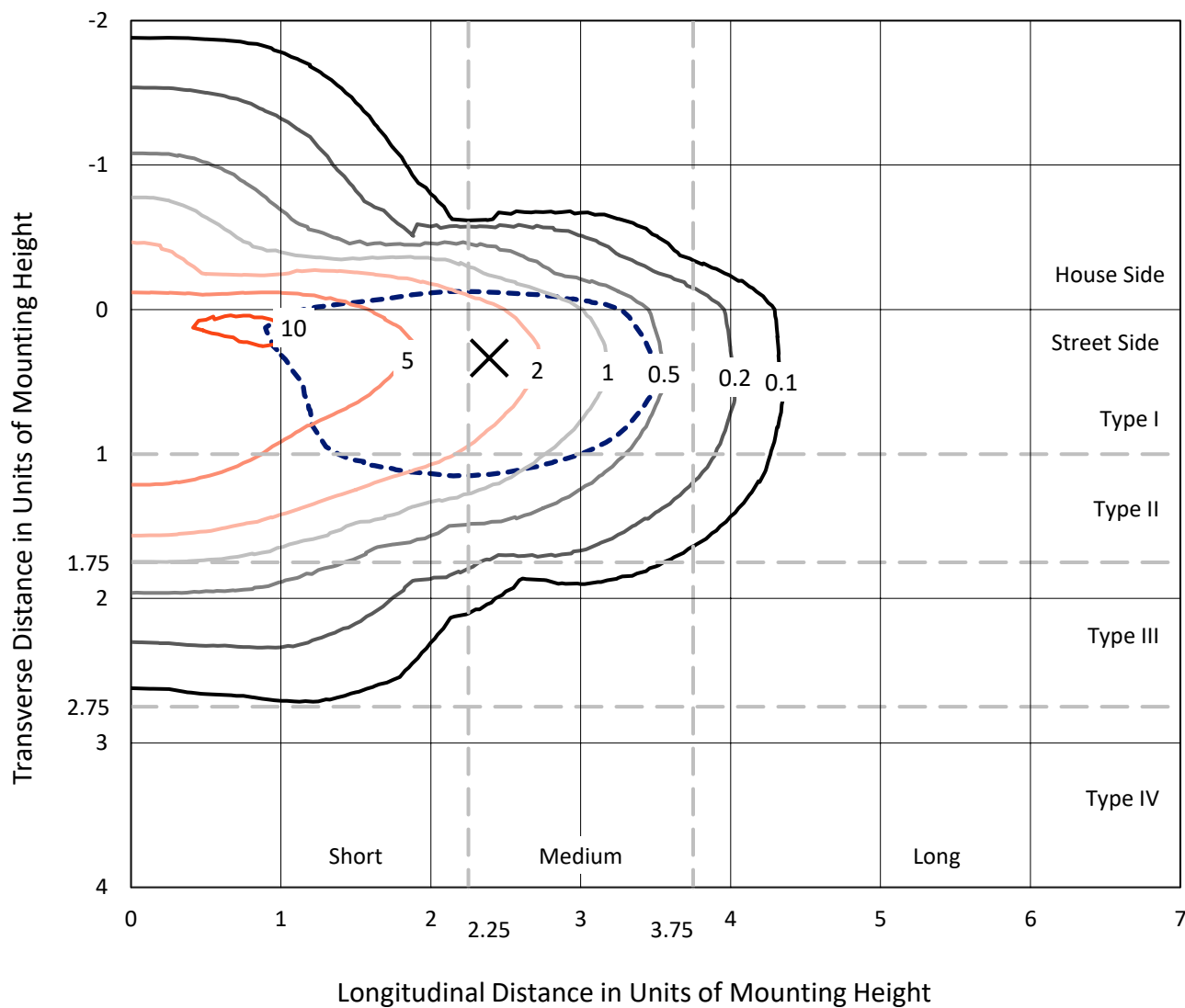
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

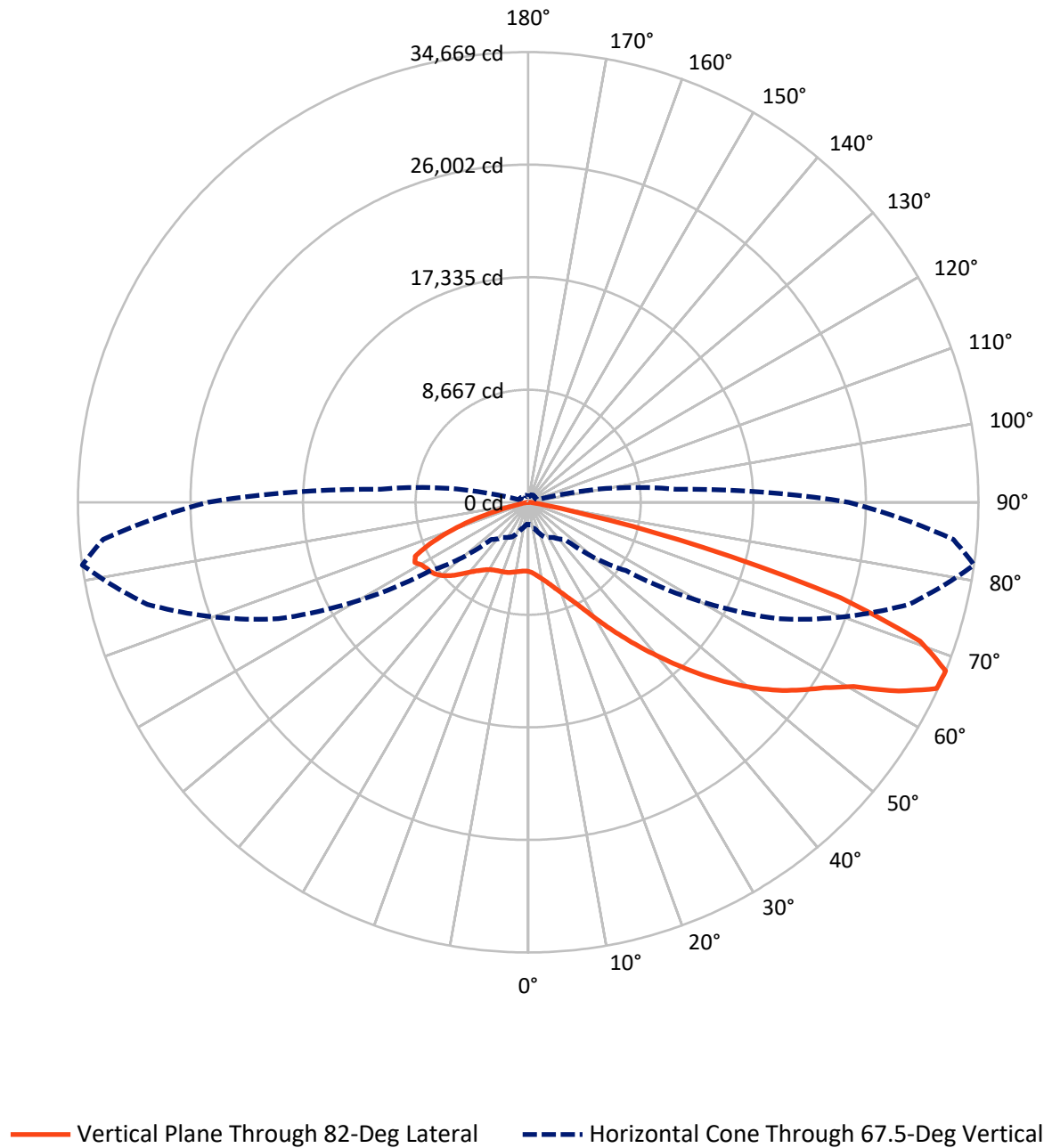


Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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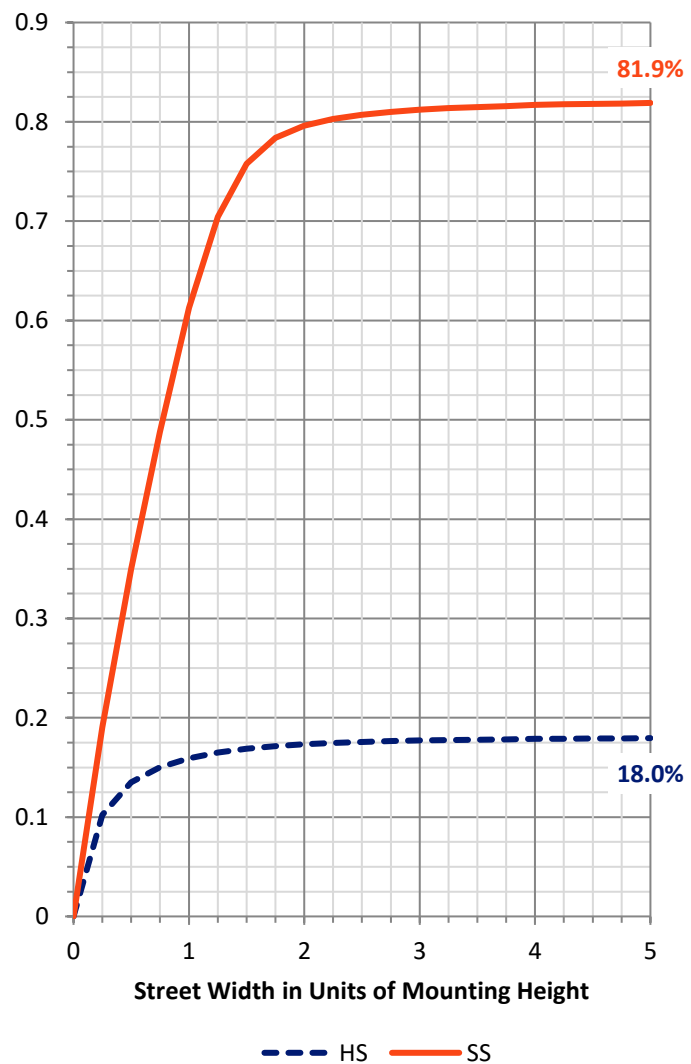
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5819.7   | 0.0    | 5819.7  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 26308.3  | 0.0    | 26308.3 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 32128.0  | 0.0    | 32128.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 474.2   | 1.5       |
| 10°-20°   | 1232.2  | 3.8       |
| 20°-30°   | 1973.7  | 6.1       |
| 30°-40°   | 3490.0  | 10.9      |
| 40°-50°   | 6114.9  | 19.0      |
| 50°-60°   | 8155.6  | 25.4      |
| 60°-70°   | 7592.4  | 23.6      |
| 70°-80°   | 2914.0  | 9.1       |
| 80°-90°   | 181.0   | 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°    | 32128.0 | 100.0     |
| 0°-180°   | 32128.0 | 100.0     |

**Coefficient of Utilization**



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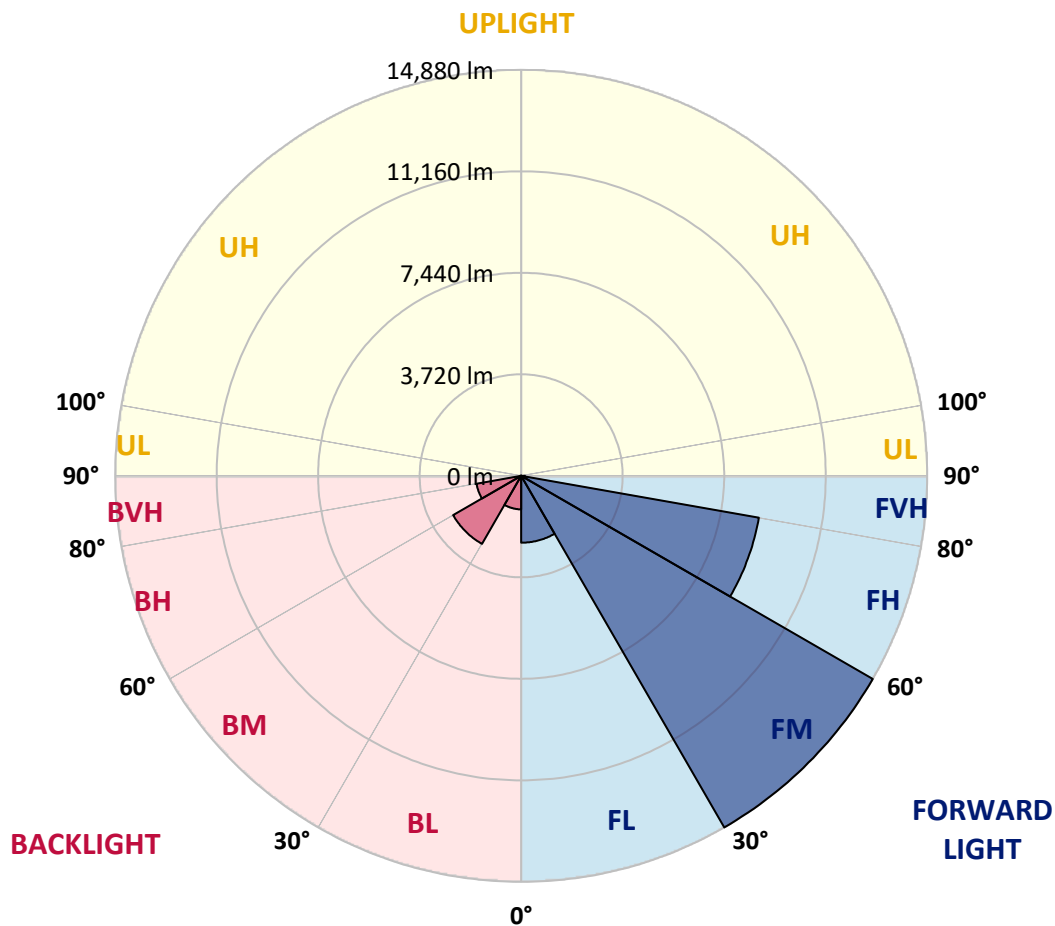
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2451.0  | 7.6       |                         |      |          |
| FM   | (30°-60°)   | 14880.4 | 46.3      |                         |      |          |
| FH   | (60°-80°)   | 8845.3  | 27.5      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 131.6   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1229.1  | 3.8       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2880.1  | 9.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1661.1  | 5.2       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 49.4    | 0.2       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5322.5  | 5322.5  | 5322.5  | 5322.5  | 5322.5  | 5322.5  | 5322.5  | 5322.5  | 5322.5  | 5322.5  |
| 2.5°  | 5625.5  | 5657.9  | 5639.4  | 5630.2  | 5614.0  | 5590.8  | 5572.3  | 5514.5  | 5454.4  | 5415.0  |
| 5°    | 5738.9  | 5771.3  | 5769.0  | 5778.2  | 5789.8  | 5796.7  | 5792.1  | 5727.3  | 5641.7  | 5574.7  |
| 7.5°  | 5641.7  | 5678.7  | 5708.8  | 5755.1  | 5836.0  | 5921.6  | 5963.3  | 5949.4  | 5861.5  | 5769.0  |
| 10°   | 5366.5  | 5405.8  | 5477.5  | 5586.2  | 5757.4  | 5942.4  | 6097.4  | 6169.1  | 6113.6  | 6011.8  |
| 12.5° | 4862.2  | 4901.5  | 5042.6  | 5278.6  | 5565.4  | 5886.9  | 6183.0  | 6375.0  | 6388.9  | 6287.1  |
| 15°   | 4295.5  | 4334.8  | 4485.2  | 4781.2  | 5218.4  | 5734.3  | 6229.3  | 6592.4  | 6715.0  | 6627.1  |
| 17.5° | 3943.9  | 3978.6  | 4091.9  | 4330.2  | 4785.9  | 5428.9  | 6213.1  | 6823.7  | 7103.6  | 7034.2  |
| 20°   | 3837.5  | 3867.6  | 3920.8  | 4087.3  | 4466.7  | 5112.0  | 6106.7  | 7041.2  | 7522.3  | 7483.0  |
| 22.5° | 3950.8  | 3978.6  | 3994.8  | 4068.8  | 4307.1  | 4903.8  | 5972.5  | 7263.2  | 8008.1  | 8012.7  |
| 25°   | 4212.2  | 4240.0  | 4221.5  | 4267.7  | 4371.8  | 4839.1  | 5921.6  | 7524.6  | 8618.7  | 8669.6  |
| 27.5° | 4642.5  | 4644.8  | 4600.8  | 4598.5  | 4614.7  | 4936.2  | 5974.8  | 7804.5  | 9389.0  | 9483.9  |
| 30°   | 5505.3  | 5470.6  | 5301.7  | 5119.0  | 5035.7  | 5227.7  | 6122.9  | 8135.3  | 10298.1 | 10466.9 |
| 32.5° | 6835.3  | 6784.4  | 6474.5  | 6037.3  | 5597.8  | 5697.3  | 6388.9  | 8512.3  | 11288.1 | 11593.4 |
| 35°   | 8278.7  | 8264.8  | 7941.0  | 7291.0  | 6523.0  | 6365.7  | 6821.4  | 9007.3  | 12368.3 | 12854.1 |
| 37.5° | 9620.3  | 9613.4  | 9428.3  | 8662.7  | 7728.2  | 7297.9  | 7515.4  | 9655.0  | 13524.9 | 14228.1 |
| 40°   | 10846.3 | 10867.1 | 10682.1 | 9997.4  | 9055.9  | 8493.8  | 8459.1  | 10455.4 | 14811.0 | 15724.7 |
| 42.5° | 11905.7 | 11928.8 | 11741.5 | 11234.9 | 10367.5 | 9816.9  | 9618.0  | 11436.1 | 16067.0 | 17332.3 |
| 45°   | 12625.1 | 12768.5 | 12740.7 | 12335.9 | 11713.7 | 11142.4 | 11010.5 | 12666.7 | 17498.9 | 19037.1 |
| 47.5° | 12828.6 | 12960.5 | 13168.7 | 13224.2 | 12844.8 | 12282.7 | 12440.0 | 14149.4 | 18946.9 | 20744.2 |
| 50°   | 12326.7 | 12449.3 | 12881.8 | 13457.8 | 13721.5 | 13548.0 | 13830.2 | 15738.6 | 20429.6 | 22446.7 |
| 52.5° | 11336.7 | 11461.6 | 12007.5 | 12918.9 | 13994.5 | 14540.4 | 15225.1 | 17304.6 | 21866.1 | 24058.9 |
| 55°   | 9904.8  | 10036.7 | 10737.6 | 11769.2 | 13474.0 | 14949.8 | 16388.6 | 18868.2 | 23182.2 | 25509.2 |
| 57.5° | 7957.2  | 8054.3  | 8783.0  | 10226.4 | 12164.8 | 14542.7 | 17246.7 | 20575.3 | 24422.1 | 26934.1 |
| 60°   | 5186.0  | 5271.6  | 6118.2  | 7728.2  | 9995.1  | 13182.6 | 17417.9 | 22479.0 | 26069.0 | 28787.0 |
| 62.5° | 3448.9  | 3506.7  | 4008.7  | 5190.7  | 7038.9  | 10571.0 | 16416.3 | 23998.8 | 28483.9 | 32011.5 |
| 65°   | 2366.3  | 2424.2  | 2926.1  | 3749.6  | 4547.6  | 6992.6  | 13536.5 | 23797.5 | 30672.2 | 34572.1 |
| 67.5° | 1688.6  | 1737.2  | 2162.8  | 2940.0  | 3291.6  | 4061.9  | 9176.2  | 21225.3 | 30357.6 | 34669.3 |
| 70°   | 1209.8  | 1237.5  | 1589.1  | 2290.0  | 2616.2  | 2440.4  | 5102.8  | 16233.6 | 26580.2 | 32013.8 |
| 72.5° | 846.6   | 855.9   | 1103.4  | 1744.1  | 2107.3  | 1781.1  | 2428.8  | 10823.2 | 20103.5 | 25127.6 |
| 75°   | 573.7   | 585.2   | 742.5   | 1279.2  | 1690.9  | 1360.1  | 1286.1  | 5803.7  | 11801.6 | 13908.9 |
| 77.5° | 351.6   | 356.2   | 478.8   | 874.4   | 1265.3  | 1036.3  | 828.1   | 2458.9  | 4566.1  | 4482.9  |
| 80°   | 198.9   | 198.9   | 305.3   | 543.6   | 862.8   | 668.5   | 580.6   | 1045.5  | 1445.7  | 1269.9  |
| 82.5° | 111.0   | 113.3   | 222.1   | 337.7   | 571.3   | 395.5   | 319.2   | 483.4   | 624.5   | 552.8   |
| 85°   | 46.3    | 50.9    | 136.5   | 159.6   | 272.9   | 196.6   | 129.5   | 203.6   | 231.3   | 205.9   |
| 87.5° | 4.6     | 6.9     | 41.6    | 30.1    | 32.4    | 39.3    | 18.5    | 39.3    | 32.4    | 32.4    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5322.5  | 0°    | 5322.5  | 5322.5  | 5322.5 | 5322.5 | 5322.5 | 5322.5 | 5322.5 | 5322.5 | 5322.5 | 5322.5 |
| 5401.2  | 2.5°  | 5357.2  | 5322.5  | 5234.6 | 5132.8 | 4998.7 | 4933.9 | 4846.0 | 4785.9 | 4735.0 | 4739.6 |
| 5535.3  | 5°    | 5461.3  | 5373.4  | 5176.8 | 4931.6 | 4626.3 | 4408.8 | 4177.5 | 4017.9 | 3888.4 | 3860.6 |
| 5720.4  | 7.5°  | 5604.7  | 5465.9  | 5121.3 | 4679.5 | 4163.6 | 3772.7 | 3423.4 | 3199.1 | 3039.5 | 2988.6 |
| 5944.8  | 10°   | 5789.8  | 5588.5  | 5049.6 | 4362.6 | 3620.1 | 3122.7 | 2748.0 | 2572.2 | 2463.5 | 2426.5 |
| 6208.5  | 12.5° | 6004.9  | 5729.6  | 4954.7 | 3976.3 | 3060.3 | 2581.5 | 2343.2 | 2255.3 | 2220.6 | 2209.0 |
| 6532.3  | 15°   | 6275.5  | 5905.4  | 4811.3 | 3518.3 | 2586.1 | 2250.7 | 2148.9 | 2137.3 | 2142.0 | 2137.3 |
| 6920.9  | 17.5° | 6597.1  | 6097.4  | 4577.7 | 3046.4 | 2266.9 | 2081.8 | 2044.8 | 2054.1 | 2065.6 | 2063.3 |
| 7355.8  | 20°   | 6948.7  | 6287.1  | 4279.3 | 2627.7 | 2049.4 | 1961.5 | 1940.7 | 1950.0 | 1959.2 | 1954.6 |
| 7857.7  | 22.5° | 7348.8  | 6490.7  | 3948.5 | 2301.6 | 1903.7 | 1850.5 | 1827.4 | 1829.7 | 1829.7 | 1820.4 |
| 8493.8  | 25°   | 7827.6  | 6715.0  | 3601.6 | 2070.3 | 1792.7 | 1751.0 | 1723.3 | 1714.0 | 1700.2 | 1672.4 |
| 9266.4  | 27.5° | 8399.0  | 6953.3  | 3268.5 | 1908.3 | 1704.8 | 1665.5 | 1633.1 | 1609.9 | 1575.2 | 1529.0 |
| 10194.0 | 30°   | 9042.0  | 7242.4  | 2986.3 | 1806.6 | 1635.4 | 1596.1 | 1559.1 | 1524.4 | 1473.5 | 1415.6 |
| 11260.3 | 32.5° | 9798.4  | 7552.4  | 2780.4 | 1739.5 | 1572.9 | 1531.3 | 1487.3 | 1445.7 | 1390.2 | 1332.4 |
| 12458.5 | 35°   | 10700.6 | 7927.1  | 2660.1 | 1693.2 | 1524.4 | 1468.8 | 1420.3 | 1374.0 | 1332.4 | 1281.5 |
| 13760.8 | 37.5° | 11679.0 | 8325.0  | 2623.1 | 1670.1 | 1492.0 | 1406.4 | 1350.9 | 1318.5 | 1313.9 | 1283.8 |
| 15169.5 | 40°   | 12750.0 | 8796.9  | 2650.9 | 1656.2 | 1457.3 | 1346.2 | 1286.1 | 1279.2 | 1290.7 | 1237.5 |
| 16675.4 | 42.5° | 13883.4 | 9356.6  | 2697.1 | 1640.0 | 1408.7 | 1286.1 | 1228.3 | 1228.3 | 1219.0 | 1145.0 |
| 18266.8 | 45°   | 15109.4 | 10002.0 | 2743.4 | 1600.7 | 1350.9 | 1226.0 | 1182.0 | 1165.8 | 1126.5 | 1054.8 |
| 19867.5 | 47.5° | 16344.6 | 10658.9 | 2778.1 | 1529.0 | 1281.5 | 1175.1 | 1135.7 | 1098.7 | 1040.9 | 976.1  |
| 21438.1 | 50°   | 17517.4 | 11248.8 | 2741.1 | 1422.6 | 1202.8 | 1126.5 | 1084.9 | 1034.0 | 971.5  | 927.6  |
| 22925.5 | 52.5° | 18565.2 | 11760.0 | 2583.8 | 1297.7 | 1119.6 | 1075.6 | 1038.6 | 985.4  | 934.5  | 888.2  |
| 24267.1 | 55°   | 19476.6 | 12174.0 | 2306.2 | 1179.7 | 1045.5 | 1031.7 | 994.6  | 927.6  | 858.2  | 818.8  |
| 25597.1 | 57.5° | 20351.0 | 12488.6 | 1959.2 | 1082.5 | 978.5  | 983.1  | 927.6  | 867.4  | 802.7  | 761.0  |
| 27389.8 | 60°   | 21514.5 | 12909.6 | 1607.6 | 992.3  | 906.7  | 920.6  | 860.5  | 816.5  | 735.6  | 682.4  |
| 30464.0 | 62.5° | 23374.2 | 13564.2 | 1276.9 | 881.3  | 823.5  | 828.1  | 802.7  | 749.5  | 652.3  | 589.8  |
| 32742.4 | 65°   | 24850.0 | 13323.7 | 1006.2 | 761.0  | 728.6  | 735.6  | 735.6  | 677.7  | 573.7  | 502.0  |
| 32865.0 | 67.5° | 24683.5 | 11408.4 | 802.7  | 643.1  | 638.4  | 643.1  | 659.2  | 610.7  | 508.9  | 451.1  |
| 30362.2 | 70°   | 22738.1 | 9074.4  | 643.1  | 534.3  | 555.2  | 543.6  | 589.8  | 557.5  | 458.0  | 400.2  |
| 23538.5 | 72.5° | 18553.7 | 6536.9  | 490.4  | 441.8  | 425.6  | 444.1  | 532.0  | 502.0  | 381.7  | 316.9  |
| 12467.8 | 75°   | 10841.7 | 3488.2  | 365.5  | 349.3  | 307.6  | 370.1  | 471.9  | 427.9  | 291.5  | 233.6  |
| 3821.3  | 77.5° | 3529.8  | 1216.7  | 268.3  | 256.8  | 229.0  | 298.4  | 402.5  | 360.8  | 238.3  | 185.1  |
| 1119.6  | 80°   | 946.1   | 367.8   | 182.7  | 168.9  | 148.0  | 222.1  | 319.2  | 286.8  | 171.2  | 120.3  |
| 481.1   | 82.5° | 379.4   | 155.0   | 106.4  | 94.8   | 81.0   | 152.7  | 252.1  | 231.3  | 127.2  | 76.3   |
| 150.4   | 85°   | 122.6   | 50.9    | 39.3   | 30.1   | 37.0   | 94.8   | 150.4  | 157.3  | 90.2   | 39.3   |
| 23.1    | 87.5° | 16.2    | 6.9     | 6.9    | 9.3    | 6.9    | 16.2   | 46.3   | 43.9   | 25.4   | 4.6    |
| 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°   |
|--------|
| 5322.5 |
| 4693.3 |
| 3798.2 |
| 2937.7 |
| 2398.7 |
| 2202.1 |
| 2135.0 |
| 2058.7 |
| 1952.3 |
| 1815.8 |
| 1667.8 |
| 1524.4 |
| 1411.0 |
| 1334.7 |
| 1276.9 |
| 1281.5 |
| 1239.8 |
| 1145.0 |
| 1052.5 |
| 973.8  |
| 920.6  |
| 883.6  |
| 814.2  |
| 756.4  |
| 675.4  |
| 585.2  |
| 495.0  |
| 441.8  |
| 393.2  |
| 310.0  |
| 226.7  |
| 178.1  |
| 118.0  |
| 76.3   |
| 30.1   |
| 0.0    |
| 0.0    |

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