

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: P955210

Luminaire Tested: **GLAN-SB8B-727-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955210  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-727-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 41978 lumens  
Efficiency: N/A  
Efficacy: 143.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 292.8  
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



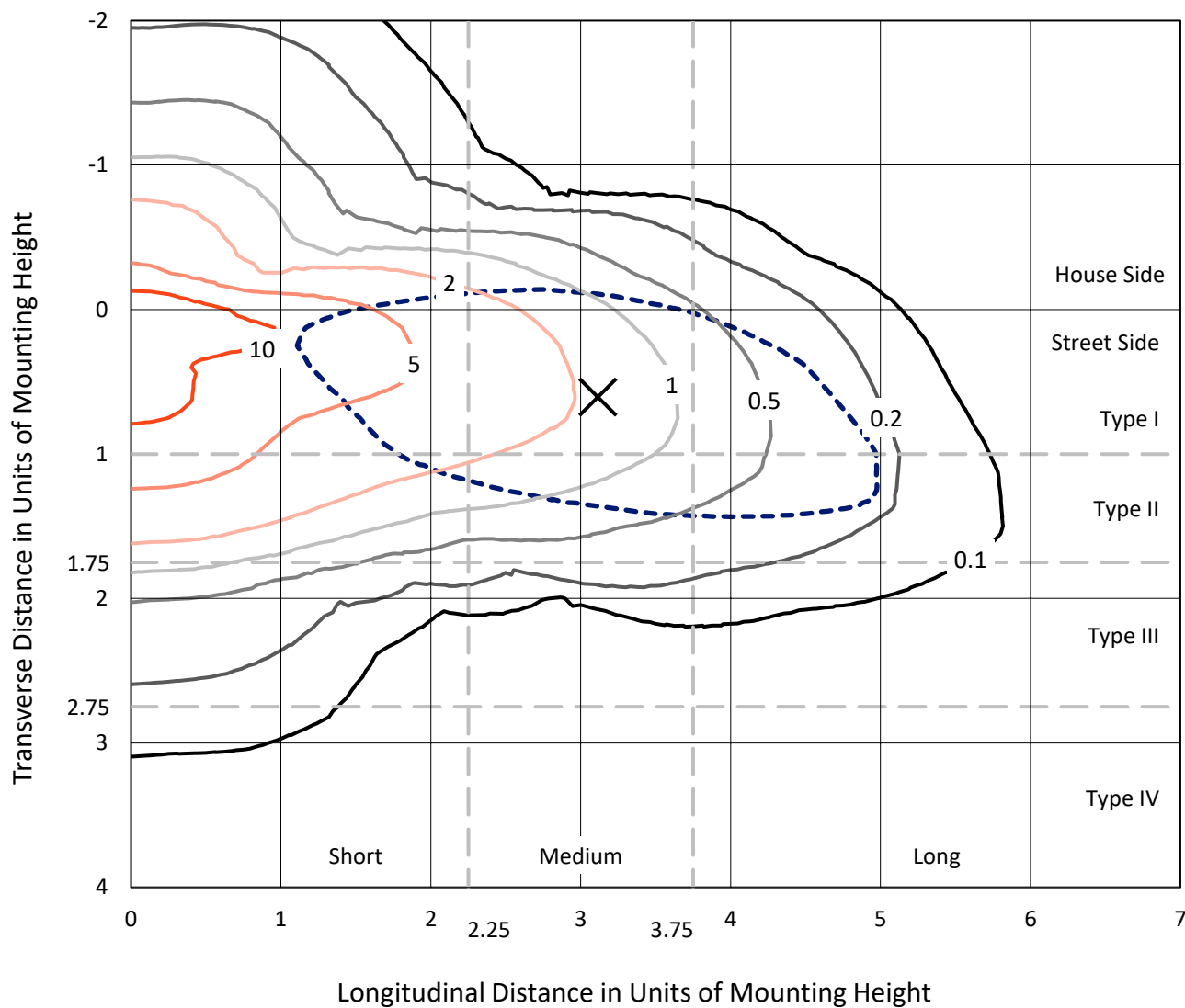
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## Iso-Footcandle Lines of Horizontal Illumination

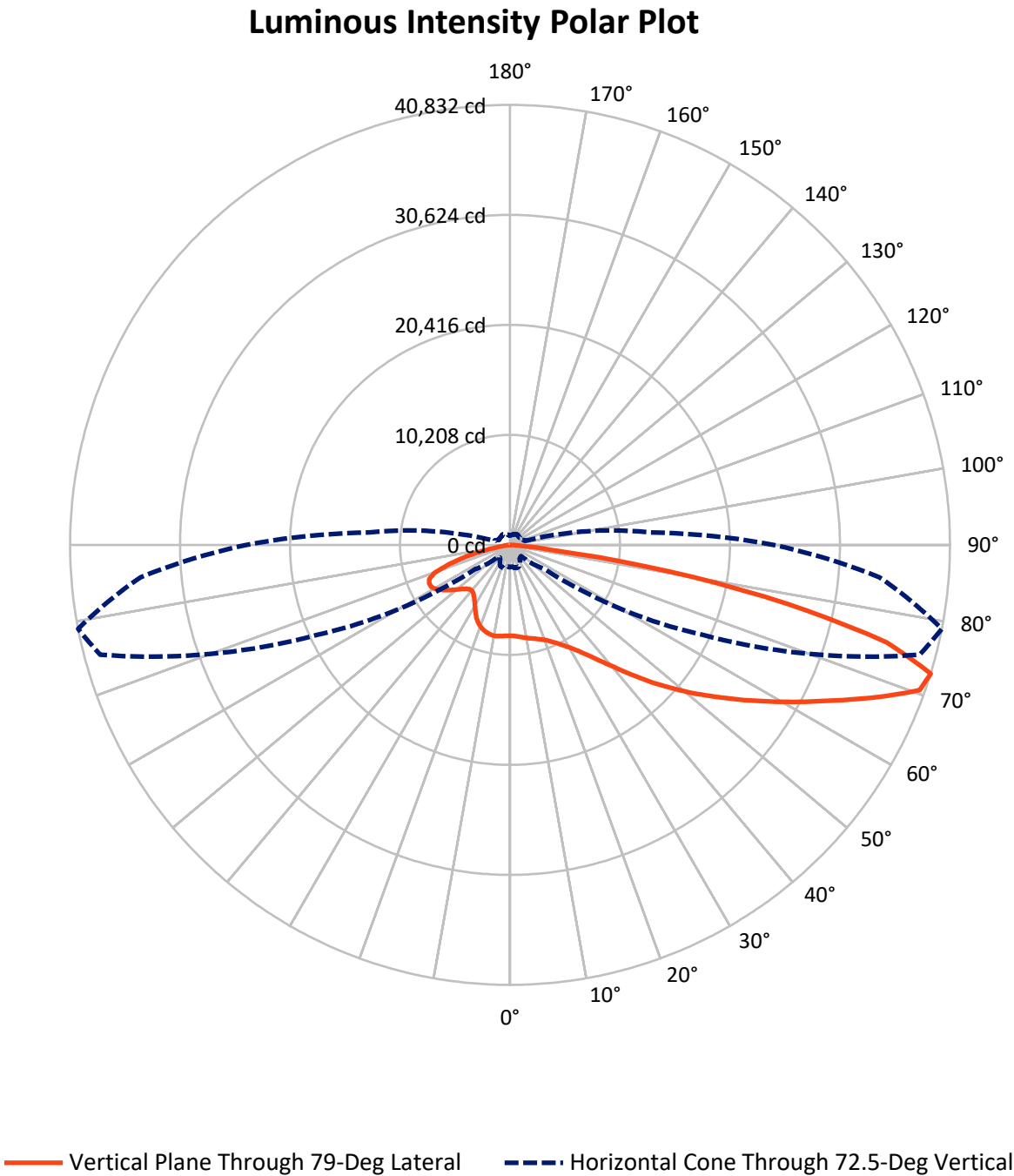
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc  
 Type II - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9237.5   | 0.0    | 9237.5  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 32740.5  | 0.0    | 32740.5 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 41978.0  | 0.0    | 41978.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 764.9   | 1.8       |
| 10°-20°   | 1999.8  | 4.8       |
| 20°-30°   | 3226.9  | 7.7       |
| 30°-40°   | 4843.1  | 11.5      |
| 40°-50°   | 6870.3  | 16.4      |
| 50°-60°   | 8676.2  | 20.7      |
| 60°-70°   | 8811.9  | 21.0      |
| 70°-80°   | 6005.7  | 14.3      |
| 80°-90°   | 779.2   | 1.9       |
| 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°    | 41978.0 | 100.0     |
| 0°-180°   | 41978.0 | 100.0     |

**Coefficient of Utilization**



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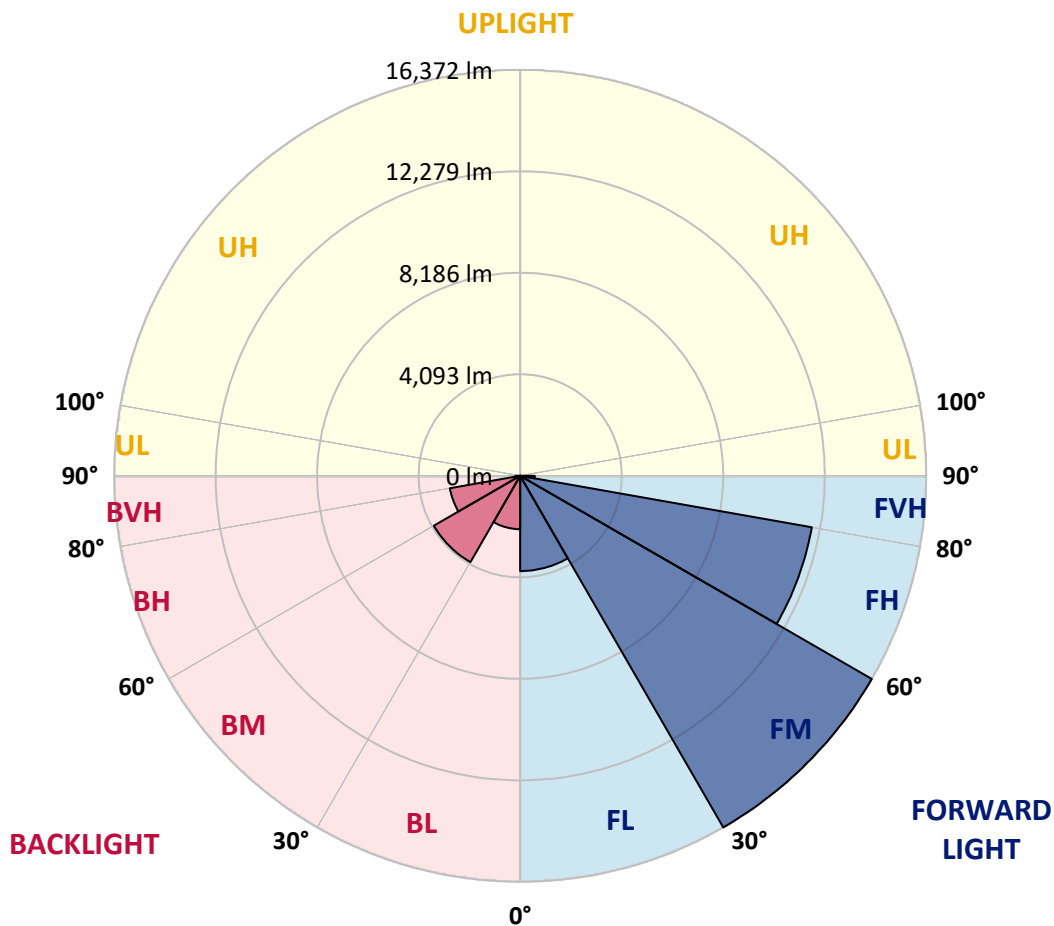
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3840.0  | 9.1       |                         |      |          |
| FM   | (30°-60°)   | 16372.3 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 11941.3 | 28.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 587.0   | 1.4       |                         |      | G4/750   |
| BL   | (0°-30°)    | 2151.7  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4017.3  | 9.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2876.2  | 6.9       | B4/5000                 |      | G4/5000  |
| BVH  | (80°-90°)   | 192.2   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8426.7  | 8426.7  | 8426.7  | 8426.7  | 8426.7  | 8426.7  | 8426.7  | 8426.7  | 8426.7  | 8426.7  |
| 2.5°  | 8431.1  | 8391.2  | 8415.6  | 8406.7  | 8417.8  | 8431.1  | 8435.6  | 8442.2  | 8464.4  | 8462.2  |
| 5°    | 8413.4  | 8373.4  | 8406.7  | 8395.6  | 8424.5  | 8455.6  | 8482.2  | 8506.6  | 8542.1  | 8557.7  |
| 7.5°  | 8375.6  | 8349.0  | 8382.3  | 8415.6  | 8468.9  | 8515.5  | 8553.3  | 8608.8  | 8659.8  | 8668.7  |
| 10°   | 8155.8  | 8135.8  | 8213.5  | 8300.1  | 8446.7  | 8573.2  | 8655.4  | 8719.8  | 8775.3  | 8784.2  |
| 12.5° | 7927.1  | 7902.7  | 7989.3  | 8106.9  | 8344.5  | 8573.2  | 8746.4  | 8830.8  | 8879.7  | 8908.5  |
| 15°   | 7889.3  | 7869.3  | 7918.2  | 8020.3  | 8218.0  | 8513.3  | 8808.6  | 8964.0  | 9006.2  | 9039.5  |
| 17.5° | 8071.4  | 8033.7  | 8053.6  | 8089.2  | 8204.6  | 8457.8  | 8857.5  | 9115.0  | 9179.4  | 9215.0  |
| 20°   | 8493.3  | 8440.0  | 8408.9  | 8337.9  | 8317.9  | 8466.7  | 8853.0  | 9297.1  | 9381.5  | 9425.9  |
| 22.5° | 9055.1  | 9019.5  | 8952.9  | 8773.1  | 8577.7  | 8575.5  | 8937.4  | 9530.3  | 9687.9  | 9730.1  |
| 25°   | 9734.5  | 9681.3  | 9596.9  | 9352.6  | 8977.4  | 8790.8  | 9079.5  | 9827.8  | 10092.0 | 10103.1 |
| 27.5° | 10516.1 | 10436.2 | 10320.7 | 9998.8  | 9492.5  | 9128.4  | 9297.1  | 10169.8 | 10556.1 | 10551.7 |
| 30°   | 11339.9 | 11260.0 | 11137.9 | 10747.1 | 10109.8 | 9583.5  | 9599.1  | 10538.4 | 11106.8 | 11082.4 |
| 32.5° | 11941.7 | 11881.7 | 11857.3 | 11555.3 | 10820.4 | 10120.9 | 9945.5  | 10946.9 | 11786.3 | 11764.1 |
| 35°   | 12403.5 | 12325.8 | 12354.7 | 12201.5 | 11595.3 | 10722.7 | 10369.6 | 11433.2 | 12612.3 | 12610.1 |
| 37.5° | 12861.0 | 12792.1 | 12816.6 | 12714.4 | 12312.5 | 11486.5 | 10887.0 | 12028.3 | 13635.9 | 13684.8 |
| 40°   | 13278.4 | 13205.1 | 13302.8 | 13207.4 | 12869.8 | 12299.2 | 11475.4 | 12701.1 | 14821.6 | 14914.9 |
| 42.5° | 13529.3 | 13471.6 | 13633.7 | 13635.9 | 13353.9 | 12985.3 | 12121.5 | 13442.7 | 16193.9 | 16402.6 |
| 45°   | 13615.9 | 13595.9 | 13840.2 | 13891.3 | 13782.5 | 13382.8 | 12703.3 | 14251.0 | 17672.7 | 18045.8 |
| 47.5° | 13522.7 | 13484.9 | 13822.4 | 14011.2 | 14097.8 | 13569.3 | 13185.2 | 15125.8 | 19182.6 | 19728.9 |
| 50°   | 13051.9 | 12978.6 | 13480.5 | 13877.9 | 14186.6 | 13691.4 | 13671.4 | 16136.2 | 20899.1 | 21496.4 |
| 52.5° | 12205.9 | 12150.4 | 12721.1 | 13411.6 | 13991.2 | 13751.4 | 14217.7 | 17239.7 | 22528.9 | 23301.6 |
| 55°   | 11124.6 | 11051.3 | 11679.7 | 12581.2 | 13504.9 | 13731.4 | 14763.9 | 18474.3 | 24451.8 | 25235.6 |
| 57.5° | 9410.4  | 9263.8  | 10058.7 | 11124.6 | 12712.2 | 13707.0 | 15332.3 | 19702.2 | 26405.8 | 27345.1 |
| 60°   | 6910.1  | 6692.5  | 7667.3  | 8930.7  | 11162.3 | 13469.4 | 16036.2 | 21078.9 | 28750.6 | 29596.6 |
| 62.5° | 4023.5  | 3896.9  | 4534.2  | 5713.3  | 8413.4  | 12070.5 | 16431.5 | 22679.9 | 31055.5 | 31943.7 |
| 65°   | 3124.2  | 3088.7  | 3144.2  | 3235.2  | 4683.0  | 9037.3  | 15212.4 | 24240.9 | 33986.5 | 34608.2 |
| 67.5° | 2857.7  | 2831.1  | 2855.5  | 2684.5  | 2375.9  | 5033.8  | 12034.9 | 24636.1 | 37126.3 | 37503.7 |
| 70°   | 2540.2  | 2509.1  | 2589.1  | 2442.5  | 1869.6  | 2289.3  | 7776.1  | 23201.7 | 39624.3 | 40332.6 |
| 72.5° | 2069.5  | 2034.0  | 2220.5  | 2153.9  | 1574.3  | 1470.0  | 3905.8  | 19793.3 | 39362.3 | 40832.2 |
| 75°   | 1589.9  | 1569.9  | 1791.9  | 1847.4  | 1283.4  | 1156.9  | 1874.1  | 14712.8 | 34639.3 | 36120.4 |
| 77.5° | 1234.6  | 1219.0  | 1332.3  | 1534.3  | 1034.7  | 897.1   | 1152.4  | 9332.6  | 26103.8 | 26363.6 |
| 80°   | 925.9   | 881.5   | 985.9   | 1188.0  | 806.0   | 655.0   | 781.6   | 5442.4  | 16500.3 | 14957.1 |
| 82.5° | 579.5   | 557.3   | 643.9   | 792.7   | 568.4   | 450.8   | 508.5   | 3006.5  | 6612.6  | 3894.7  |
| 85°   | 330.9   | 322.0   | 350.8   | 453.0   | 308.6   | 259.8   | 290.9   | 1327.8  | 1207.9  | 830.5   |
| 87.5° | 133.2   | 128.8   | 159.9   | 202.1   | 113.2   | 95.5    | 102.1   | 319.7   | 266.5   | 246.5   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8426.7  | 0°    | 8426.7  | 8426.7  | 8426.7 | 8426.7 | 8426.7 | 8426.7 | 8426.7 | 8426.7 | 8426.7 | 8426.7 |
| 8460.0  | 2.5°  | 8451.1  | 8451.1  | 8420.0 | 8371.2 | 8315.7 | 8280.1 | 8222.4 | 8206.9 | 8146.9 | 8129.1 |
| 8535.5  | 5°    | 8553.3  | 8535.5  | 8440.0 | 8302.3 | 8113.6 | 7940.4 | 7749.4 | 7629.5 | 7460.8 | 7400.8 |
| 8684.3  | 7.5°  | 8682.0  | 8633.2  | 8468.9 | 8166.9 | 7771.6 | 7383.1 | 6978.9 | 6672.5 | 6379.4 | 6275.0 |
| 8806.4  | 10°   | 8799.7  | 8730.9  | 8451.1 | 7922.6 | 7238.7 | 6565.9 | 5922.0 | 5471.2 | 5129.3 | 4989.4 |
| 8941.8  | 12.5° | 8917.4  | 8790.8  | 8333.4 | 7516.3 | 6481.6 | 5568.9 | 4882.8 | 4532.0 | 4321.0 | 4152.3 |
| 9052.9  | 15°   | 9028.4  | 8850.8  | 8151.3 | 6972.3 | 5651.1 | 4725.2 | 4218.9 | 3939.1 | 3770.4 | 3659.3 |
| 9215.0  | 17.5° | 9157.2  | 8901.9  | 7878.2 | 6281.7 | 4860.6 | 4141.2 | 3728.2 | 3559.4 | 3526.1 | 3512.8 |
| 9437.0  | 20°   | 9337.1  | 8948.5  | 7518.5 | 5509.0 | 4278.8 | 3674.9 | 3461.7 | 3446.2 | 3443.9 | 3437.3 |
| 9703.5  | 22.5° | 9530.3  | 9004.0  | 7043.3 | 4807.3 | 3783.7 | 3384.0 | 3346.2 | 3315.2 | 3295.2 | 3293.0 |
| 10025.4 | 25°   | 9759.0  | 9021.8  | 6448.2 | 4232.2 | 3361.8 | 3246.3 | 3201.9 | 3155.3 | 3142.0 | 3142.0 |
| 10391.8 | 27.5° | 9981.0  | 8961.8  | 5755.5 | 3732.6 | 3124.2 | 3119.8 | 3062.0 | 3046.5 | 3044.3 | 3050.9 |
| 10809.2 | 30°   | 10203.1 | 8848.6  | 5067.1 | 3270.8 | 2986.5 | 2986.5 | 2966.5 | 2977.7 | 2986.5 | 3008.7 |
| 11382.1 | 32.5° | 10502.8 | 8728.7  | 4492.0 | 2928.8 | 2866.6 | 2844.4 | 2864.4 | 2886.6 | 2895.5 | 2924.4 |
| 12134.9 | 35°   | 10942.5 | 8644.3  | 4034.6 | 2742.3 | 2742.3 | 2713.4 | 2724.5 | 2720.1 | 2700.1 | 2686.8 |
| 13045.3 | 37.5° | 11524.2 | 8639.8  | 3657.1 | 2655.7 | 2637.9 | 2633.5 | 2635.7 | 2606.8 | 2529.1 | 2435.9 |
| 14146.6 | 40°   | 12223.7 | 8759.8  | 3366.2 | 2595.7 | 2582.4 | 2609.1 | 2595.7 | 2518.0 | 2304.8 | 2142.8 |
| 15501.1 | 42.5° | 13162.9 | 9101.7  | 3179.7 | 2522.5 | 2562.4 | 2595.7 | 2542.4 | 2273.8 | 2129.4 | 2020.6 |
| 17044.3 | 45°   | 14268.7 | 9656.8  | 3084.2 | 2444.7 | 2524.7 | 2564.6 | 2307.1 | 2189.4 | 2073.9 | 1942.9 |
| 18727.4 | 47.5° | 15521.1 | 10356.3 | 3062.0 | 2371.5 | 2440.3 | 2464.7 | 2207.1 | 2153.9 | 2022.8 | 1880.7 |
| 20419.4 | 50°   | 16884.5 | 11184.5 | 3122.0 | 2284.9 | 2318.2 | 2233.8 | 2173.8 | 2125.0 | 1989.5 | 1849.7 |
| 22153.6 | 52.5° | 18294.5 | 12097.1 | 3241.9 | 2167.2 | 2196.0 | 2102.8 | 2160.5 | 2118.3 | 1969.6 | 1780.8 |
| 23945.6 | 55°   | 19680.0 | 13016.4 | 3357.4 | 2029.5 | 2071.7 | 1985.1 | 2122.8 | 2091.7 | 1878.5 | 1665.4 |
| 25857.4 | 57.5° | 21087.8 | 13931.2 | 3470.6 | 1907.4 | 1951.8 | 1871.9 | 2062.8 | 2020.6 | 1776.4 | 1558.8 |
| 27944.6 | 60°   | 22551.1 | 14819.4 | 3523.9 | 1789.7 | 1820.8 | 1767.5 | 1971.8 | 1898.5 | 1660.9 | 1450.0 |
| 29996.3 | 62.5° | 23921.1 | 15558.8 | 3437.3 | 1672.0 | 1692.0 | 1669.8 | 1851.9 | 1754.2 | 1545.4 | 1327.8 |
| 32134.6 | 65°   | 25295.6 | 15998.5 | 3170.8 | 1556.5 | 1561.0 | 1549.9 | 1683.1 | 1598.7 | 1410.0 | 1221.3 |
| 34006.5 | 67.5° | 26541.3 | 16245.0 | 2746.7 | 1432.2 | 1421.1 | 1416.7 | 1525.5 | 1430.0 | 1279.0 | 1114.7 |
| 35429.8 | 70°   | 26805.5 | 15618.8 | 2098.3 | 1285.7 | 1285.7 | 1274.5 | 1352.3 | 1254.6 | 1134.7 | 1001.4 |
| 34410.6 | 72.5° | 24482.9 | 13138.5 | 1489.9 | 1119.1 | 1136.9 | 1114.7 | 1179.1 | 1096.9 | 988.1  | 899.3  |
| 29656.6 | 75°   | 19742.2 | 9634.6  | 1083.6 | 948.1  | 979.2  | 941.5  | 1001.4 | 943.7  | 850.4  | 848.2  |
| 20437.2 | 77.5° | 13564.9 | 5957.5  | 786.0  | 781.6  | 803.8  | 755.0  | 823.8  | 792.7  | 708.3  | 670.6  |
| 8895.2  | 80°   | 5788.8  | 2375.9  | 572.9  | 604.0  | 604.0  | 559.6  | 639.5  | 648.4  | 575.1  | 557.3  |
| 1716.4  | 82.5° | 1152.4  | 675.0   | 401.9  | 415.2  | 390.8  | 377.5  | 453.0  | 501.8  | 692.8  | 770.5  |
| 517.4   | 85°   | 346.4   | 248.7   | 242.0  | 226.5  | 199.8  | 202.1  | 266.5  | 504.0  | 621.7  | 355.3  |
| 171.0   | 87.5° | 95.5    | 62.2    | 64.4   | 51.1   | 42.2   | 55.5   | 91.0   | 381.9  | 208.7  | 88.8   |
| 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°   |
|--------|
| 8426.7 |
| 8158.0 |
| 7445.2 |
| 6288.4 |
| 5020.5 |
| 4207.8 |
| 3679.3 |
| 3521.7 |
| 3459.5 |
| 3317.4 |
| 3155.3 |
| 3068.7 |
| 3024.3 |
| 2948.8 |
| 2717.9 |
| 2438.1 |
| 2138.3 |
| 2016.2 |
| 1934.0 |
| 1869.6 |
| 1834.1 |
| 1767.5 |
| 1654.3 |
| 1554.3 |
| 1443.3 |
| 1325.6 |
| 1207.9 |
| 1101.4 |
| 997.0  |
| 872.6  |
| 763.8  |
| 628.4  |
| 557.3  |
| 772.7  |
| 306.4  |
| 75.5   |
| 0.0    |

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