

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: P846625

Luminaire Tested: **GLAN-SB2B-830-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846625  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-830-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 450mA 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: 7061 lumens  
Efficiency: N/A  
Efficacy: 95.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

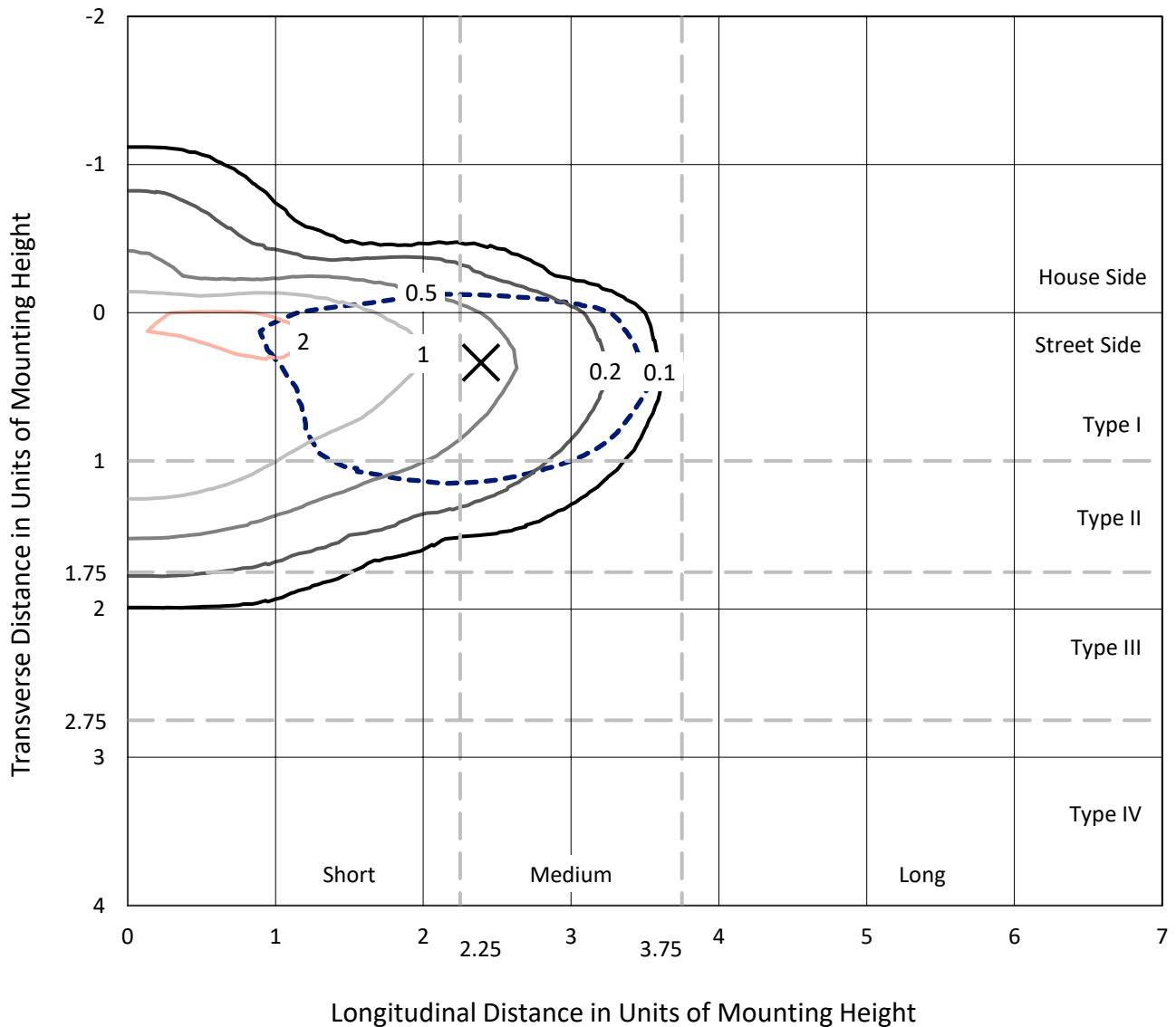
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

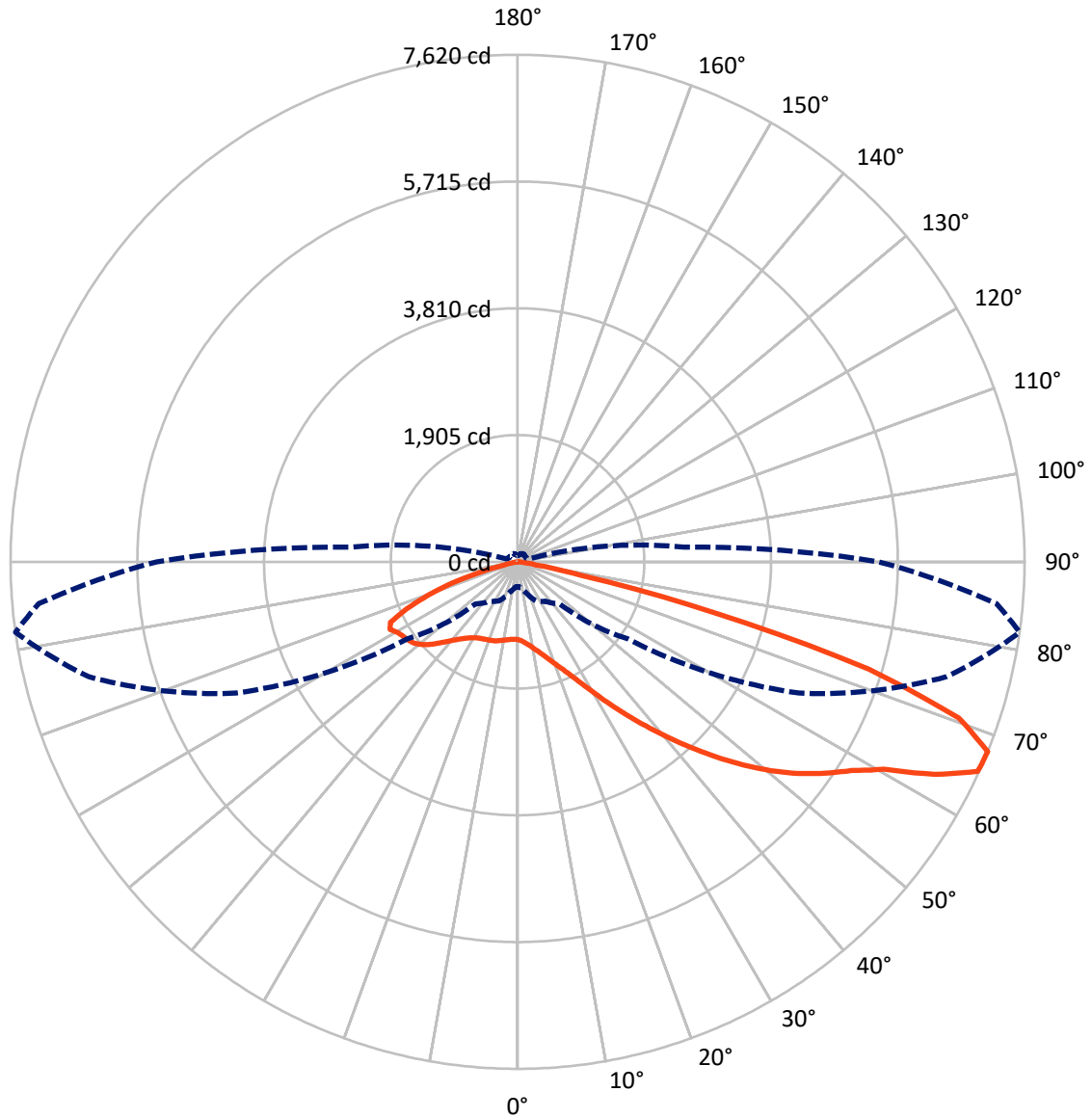
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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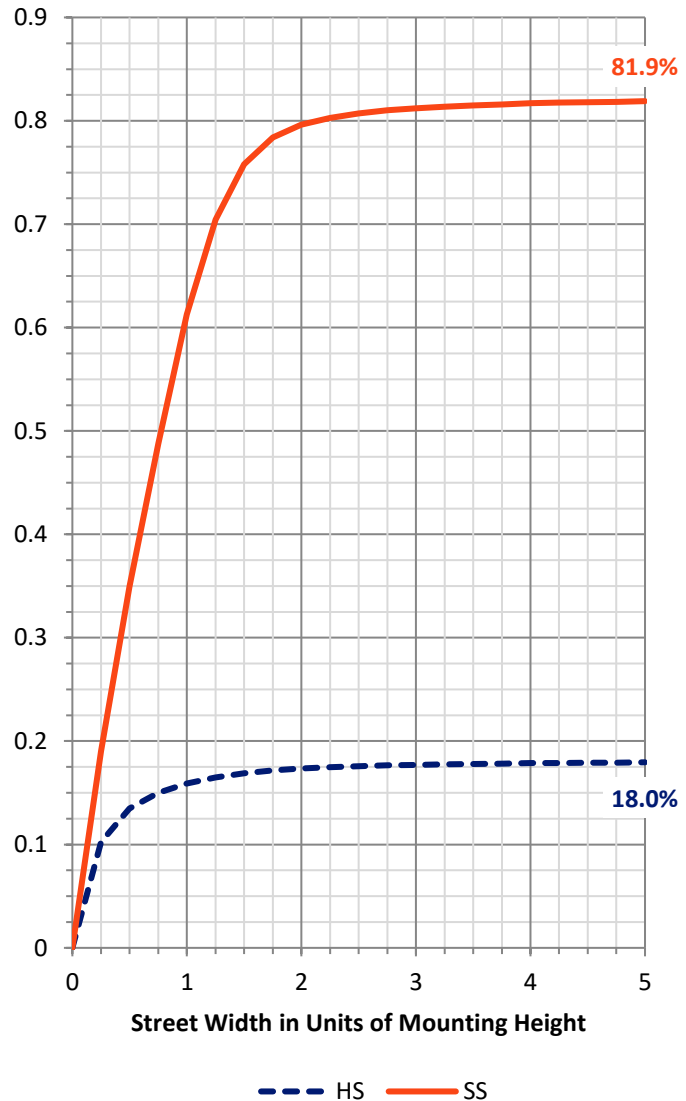
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1279.0   | 0.0    | 1279.0 |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 5782.0   | 0.0    | 5782.0 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 7061.0   | 0.0    | 7061.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 104.2  | 1.5       |
| 10°-20°   | 270.8  | 3.8       |
| 20°-30°   | 433.8  | 6.1       |
| 30°-40°   | 767.0  | 10.9      |
| 40°-50°   | 1343.9 | 19.0      |
| 50°-60°   | 1792.4 | 25.4      |
| 60°-70°   | 1668.6 | 23.6      |
| 70°-80°   | 640.4  | 9.1       |
| 80°-90°   | 39.8   | 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°    | 7061.0 | 100.0     |
| 0°-180°   | 7061.0 | 100.0     |

**Coefficient of Utilization**

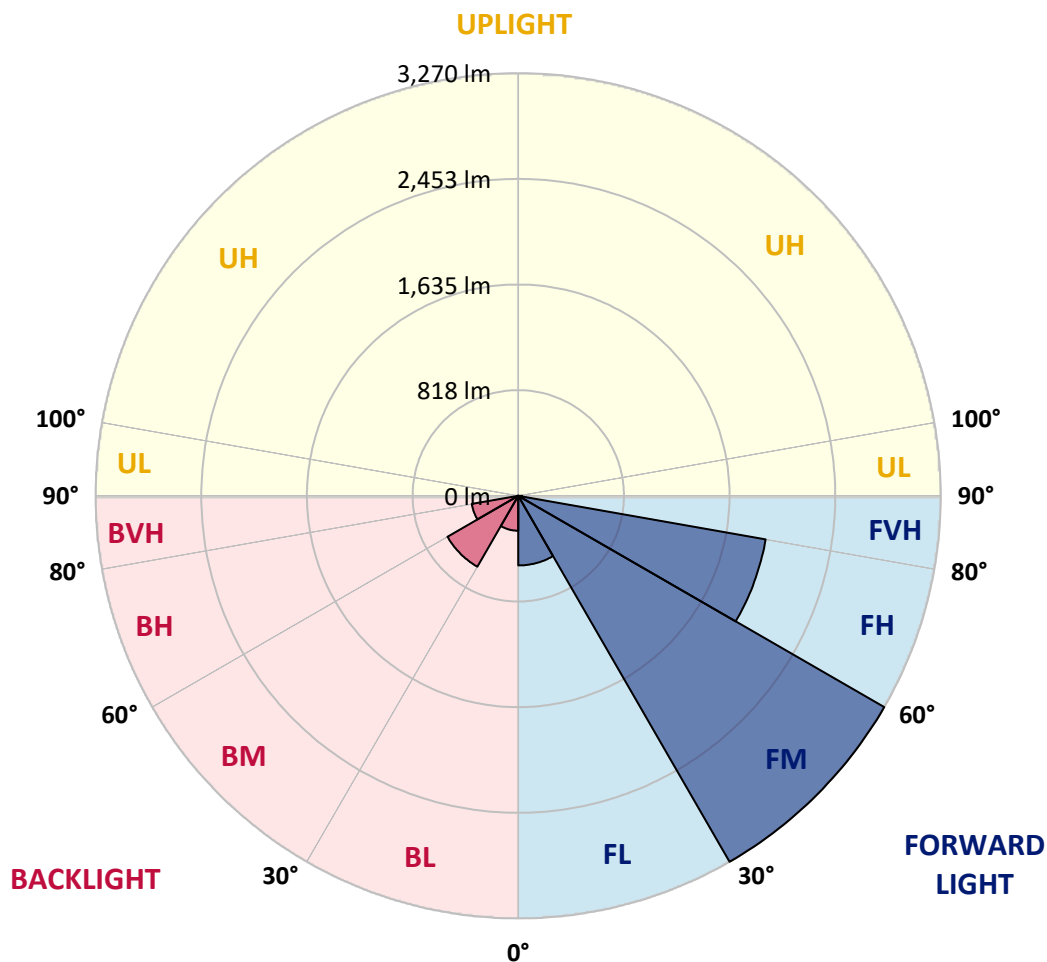


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 538.7  | 7.6       |                         |      |         |
| FM (30°-60°)   | 3270.4 | 46.3      |                         |      |         |
| FH (60°-80°)   | 1944.0 | 27.5      |                         |      | G2/5000 |
| FVH (80°-90°)  | 28.9   | 0.4       |                         |      | G1/100  |
| BL (0°-30°)    | 270.1  | 3.8       | B1/500                  |      |         |
| BM (30°-60°)   | 633.0  | 9.0       | B1/1000                 |      |         |
| BH (60°-80°)   | 365.1  | 5.2       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 10.9   | 0.2       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 |
| 2.5°  | 1236.4 | 1243.5 | 1239.4 | 1237.4 | 1233.8 | 1228.7 | 1224.7 | 1212.0 | 1198.7 | 1190.1 |
| 5°    | 1261.3 | 1268.4 | 1267.9 | 1269.9 | 1272.5 | 1274.0 | 1273.0 | 1258.7 | 1239.9 | 1225.2 |
| 7.5°  | 1239.9 | 1248.1 | 1254.7 | 1264.8 | 1282.6 | 1301.4 | 1310.6 | 1307.5 | 1288.2 | 1267.9 |
| 10°   | 1179.4 | 1188.1 | 1203.8 | 1227.7 | 1265.3 | 1306.0 | 1340.1 | 1355.8 | 1343.6 | 1321.3 |
| 12.5° | 1068.6 | 1077.2 | 1108.3 | 1160.1 | 1223.1 | 1293.8 | 1358.9 | 1401.1 | 1404.1 | 1381.8 |
| 15°   | 944.1  | 952.7  | 985.7  | 1050.8 | 1146.9 | 1260.3 | 1369.1 | 1448.9 | 1475.8 | 1456.5 |
| 17.5° | 866.8  | 874.4  | 899.3  | 951.7  | 1051.8 | 1193.2 | 1365.5 | 1499.7 | 1561.2 | 1546.0 |
| 20°   | 843.4  | 850.0  | 861.7  | 898.3  | 981.7  | 1123.5 | 1342.1 | 1547.5 | 1653.2 | 1644.6 |
| 22.5° | 868.3  | 874.4  | 878.0  | 894.2  | 946.6  | 1077.8 | 1312.6 | 1596.3 | 1760.0 | 1761.0 |
| 25°   | 925.7  | 931.8  | 927.8  | 938.0  | 960.8  | 1063.5 | 1301.4 | 1653.7 | 1894.2 | 1905.4 |
| 27.5° | 1020.3 | 1020.8 | 1011.2 | 1010.6 | 1014.2 | 1084.9 | 1313.1 | 1715.3 | 2063.5 | 2084.3 |
| 30°   | 1209.9 | 1202.3 | 1165.2 | 1125.0 | 1106.7 | 1148.9 | 1345.7 | 1788.0 | 2263.3 | 2300.4 |
| 32.5° | 1502.2 | 1491.1 | 1422.9 | 1326.9 | 1230.3 | 1252.1 | 1404.1 | 1870.8 | 2480.9 | 2548.0 |
| 35°   | 1819.5 | 1816.4 | 1745.2 | 1602.4 | 1433.6 | 1399.0 | 1499.2 | 1979.6 | 2718.3 | 2825.0 |
| 37.5° | 2114.3 | 2112.8 | 2072.1 | 1903.9 | 1698.5 | 1603.9 | 1651.7 | 2122.0 | 2972.5 | 3127.0 |
| 40°   | 2383.8 | 2388.3 | 2347.7 | 2197.2 | 1990.3 | 1866.7 | 1859.1 | 2297.9 | 3255.1 | 3455.9 |
| 42.5° | 2616.6 | 2621.7 | 2580.5 | 2469.2 | 2278.5 | 2157.5 | 2113.8 | 2513.4 | 3531.2 | 3809.2 |
| 45°   | 2774.7 | 2806.2 | 2800.1 | 2711.2 | 2574.4 | 2448.8 | 2419.9 | 2783.9 | 3845.8 | 4183.9 |
| 47.5° | 2819.4 | 2848.4 | 2894.2 | 2906.4 | 2823.0 | 2699.5 | 2734.0 | 3109.7 | 4164.1 | 4559.1 |
| 50°   | 2709.1 | 2736.1 | 2831.1 | 2957.7 | 3015.7 | 2977.5 | 3039.6 | 3459.0 | 4490.0 | 4933.3 |
| 52.5° | 2491.5 | 2519.0 | 2639.0 | 2839.3 | 3075.7 | 3195.6 | 3346.1 | 3803.1 | 4805.7 | 5287.6 |
| 55°   | 2176.9 | 2205.8 | 2359.9 | 2586.6 | 2961.3 | 3285.6 | 3601.8 | 4146.8 | 5094.9 | 5606.3 |
| 57.5° | 1748.8 | 1770.2 | 1930.3 | 2247.5 | 2673.5 | 3196.1 | 3790.4 | 4522.0 | 5367.4 | 5919.5 |
| 60°   | 1139.8 | 1158.6 | 1344.6 | 1698.5 | 2196.7 | 2897.2 | 3828.1 | 4940.4 | 5729.4 | 6326.7 |
| 62.5° | 758.0  | 770.7  | 881.0  | 1140.8 | 1547.0 | 2323.3 | 3607.9 | 5274.4 | 6260.1 | 7035.4 |
| 65°   | 520.1  | 532.8  | 643.1  | 824.1  | 999.5  | 1536.8 | 2975.0 | 5230.2 | 6741.0 | 7598.2 |
| 67.5° | 371.1  | 381.8  | 475.3  | 646.1  | 723.4  | 892.7  | 2016.7 | 4664.8 | 6671.9 | 7619.5 |
| 70°   | 265.9  | 272.0  | 349.3  | 503.3  | 575.0  | 536.3  | 1121.5 | 3567.8 | 5841.7 | 7035.9 |
| 72.5° | 186.1  | 188.1  | 242.5  | 383.3  | 463.1  | 391.4  | 533.8  | 2378.7 | 4418.3 | 5522.5 |
| 75°   | 126.1  | 128.6  | 163.2  | 281.1  | 371.6  | 298.9  | 282.7  | 1275.5 | 2593.7 | 3056.9 |
| 77.5° | 77.3   | 78.3   | 105.2  | 192.2  | 278.1  | 227.8  | 182.0  | 540.4  | 1003.5 | 985.2  |
| 80°   | 43.7   | 43.7   | 67.1   | 119.5  | 189.6  | 146.9  | 127.6  | 229.8  | 317.7  | 279.1  |
| 82.5° | 24.4   | 24.9   | 48.8   | 74.2   | 125.6  | 86.9   | 70.2   | 106.3  | 137.3  | 121.5  |
| 85°   | 10.2   | 11.2   | 30.0   | 35.1   | 60.0   | 43.2   | 28.5   | 44.7   | 50.8   | 45.2   |
| 87.5° | 1.0    | 1.5    | 9.2    | 6.6    | 7.1    | 8.6    | 4.1    | 8.6    | 7.1    | 7.1    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1169.8 | 0°    | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1169.8 |
| 1187.1 | 2.5°  | 1177.4 | 1169.8 | 1150.5 | 1128.1 | 1098.6 | 1084.4 | 1065.0 | 1051.8 | 1040.6 | 1041.7 |
| 1216.5 | 5°    | 1200.3 | 1181.0 | 1137.7 | 1083.9 | 1016.7 | 969.0  | 918.1  | 883.0  | 854.6  | 848.5  |
| 1257.2 | 7.5°  | 1231.8 | 1201.3 | 1125.5 | 1028.4 | 915.1  | 829.2  | 752.4  | 703.1  | 668.0  | 656.8  |
| 1306.5 | 10°   | 1272.5 | 1228.2 | 1109.8 | 958.8  | 795.6  | 686.3  | 603.9  | 565.3  | 541.4  | 533.3  |
| 1364.5 | 12.5° | 1319.7 | 1259.2 | 1088.9 | 873.9  | 672.6  | 567.3  | 515.0  | 495.7  | 488.0  | 485.5  |
| 1435.6 | 15°   | 1379.2 | 1297.9 | 1057.4 | 773.2  | 568.4  | 494.6  | 472.3  | 469.7  | 470.8  | 469.7  |
| 1521.1 | 17.5° | 1449.9 | 1340.1 | 1006.1 | 669.5  | 498.2  | 457.5  | 449.4  | 451.4  | 454.0  | 453.5  |
| 1616.6 | 20°   | 1527.2 | 1381.8 | 940.5  | 577.5  | 450.4  | 431.1  | 426.5  | 428.6  | 430.6  | 429.6  |
| 1726.9 | 22.5° | 1615.1 | 1426.5 | 867.8  | 505.8  | 418.4  | 406.7  | 401.6  | 402.1  | 402.1  | 400.1  |
| 1866.7 | 25°   | 1720.3 | 1475.8 | 791.5  | 455.0  | 394.0  | 384.8  | 378.7  | 376.7  | 373.7  | 367.6  |
| 2036.5 | 27.5° | 1845.9 | 1528.2 | 718.3  | 419.4  | 374.7  | 366.0  | 358.9  | 353.8  | 346.2  | 336.0  |
| 2240.4 | 30°   | 1987.2 | 1591.7 | 656.3  | 397.0  | 359.4  | 350.8  | 342.6  | 335.0  | 323.8  | 311.1  |
| 2474.8 | 32.5° | 2153.5 | 1659.8 | 611.1  | 382.3  | 345.7  | 336.5  | 326.9  | 317.7  | 305.5  | 292.8  |
| 2738.1 | 35°   | 2351.7 | 1742.2 | 584.6  | 372.1  | 335.0  | 322.8  | 312.1  | 302.0  | 292.8  | 281.6  |
| 3024.3 | 37.5° | 2566.8 | 1829.6 | 576.5  | 367.0  | 327.9  | 309.1  | 296.9  | 289.8  | 288.8  | 282.1  |
| 3333.9 | 40°   | 2802.2 | 1933.3 | 582.6  | 364.0  | 320.3  | 295.9  | 282.7  | 281.1  | 283.7  | 272.0  |
| 3664.9 | 42.5° | 3051.3 | 2056.4 | 592.8  | 360.4  | 309.6  | 282.7  | 269.9  | 269.9  | 267.9  | 251.6  |
| 4014.6 | 45°   | 3320.7 | 2198.2 | 602.9  | 351.8  | 296.9  | 269.4  | 259.8  | 256.2  | 247.6  | 231.8  |
| 4366.4 | 47.5° | 3592.2 | 2342.6 | 610.6  | 336.0  | 281.6  | 258.3  | 249.6  | 241.5  | 228.8  | 214.5  |
| 4711.6 | 50°   | 3849.9 | 2472.2 | 602.4  | 312.7  | 264.4  | 247.6  | 238.4  | 227.2  | 213.5  | 203.9  |
| 5038.5 | 52.5° | 4080.2 | 2584.6 | 567.9  | 285.2  | 246.1  | 236.4  | 228.3  | 216.6  | 205.4  | 195.2  |
| 5333.4 | 55°   | 4280.5 | 2675.6 | 506.8  | 259.3  | 229.8  | 226.7  | 218.6  | 203.9  | 188.6  | 180.0  |
| 5625.7 | 57.5° | 4472.7 | 2744.7 | 430.6  | 237.9  | 215.0  | 216.1  | 203.9  | 190.6  | 176.4  | 167.3  |
| 6019.7 | 60°   | 4728.4 | 2837.2 | 353.3  | 218.1  | 199.3  | 202.3  | 189.1  | 179.5  | 161.7  | 150.0  |
| 6695.3 | 62.5° | 5137.1 | 2981.1 | 280.6  | 193.7  | 181.0  | 182.0  | 176.4  | 164.7  | 143.4  | 129.6  |
| 7196.0 | 65°   | 5461.5 | 2928.2 | 221.1  | 167.3  | 160.1  | 161.7  | 161.7  | 149.0  | 126.1  | 110.3  |
| 7223.0 | 67.5° | 5424.9 | 2507.3 | 176.4  | 141.3  | 140.3  | 141.3  | 144.9  | 134.2  | 111.8  | 99.1   |
| 6672.9 | 70°   | 4997.3 | 1994.4 | 141.3  | 117.4  | 122.0  | 119.5  | 129.6  | 122.5  | 100.7  | 87.9   |
| 5173.2 | 72.5° | 4077.7 | 1436.7 | 107.8  | 97.1   | 93.5   | 97.6   | 116.9  | 110.3  | 83.9   | 69.6   |
| 2740.1 | 75°   | 2382.7 | 766.6  | 80.3   | 76.8   | 67.6   | 81.3   | 103.7  | 94.0   | 64.1   | 51.3   |
| 839.8  | 77.5° | 775.8  | 267.4  | 59.0   | 56.4   | 50.3   | 65.6   | 88.5   | 79.3   | 52.4   | 40.7   |
| 246.1  | 80°   | 207.9  | 80.8   | 40.2   | 37.1   | 32.5   | 48.8   | 70.2   | 63.0   | 37.6   | 26.4   |
| 105.7  | 82.5° | 83.4   | 34.1   | 23.4   | 20.8   | 17.8   | 33.6   | 55.4   | 50.8   | 28.0   | 16.8   |
| 33.0   | 85°   | 26.9   | 11.2   | 8.6    | 6.6    | 8.1    | 20.8   | 33.0   | 34.6   | 19.8   | 8.6    |
| 5.1    | 87.5° | 3.6    | 1.5    | 1.5    | 2.0    | 1.5    | 3.6    | 10.2   | 9.7    | 5.6    | 1.0    |
| 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°   |
|--------|
| 1169.8 |
| 1031.5 |
| 834.8  |
| 645.6  |
| 527.2  |
| 484.0  |
| 469.2  |
| 452.5  |
| 429.1  |
| 399.1  |
| 366.5  |
| 335.0  |
| 310.1  |
| 293.3  |
| 280.6  |
| 281.6  |
| 272.5  |
| 251.6  |
| 231.3  |
| 214.0  |
| 202.3  |
| 194.2  |
| 178.9  |
| 166.2  |
| 148.4  |
| 128.6  |
| 108.8  |
| 97.1   |
| 86.4   |
| 68.1   |
| 49.8   |
| 39.1   |
| 25.9   |
| 16.8   |
| 6.6    |
| 0.0    |
| 0.0    |

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