

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: P940374

Luminaire Tested: **GLAN-SB3B-930-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940374  
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-SB3B-930-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

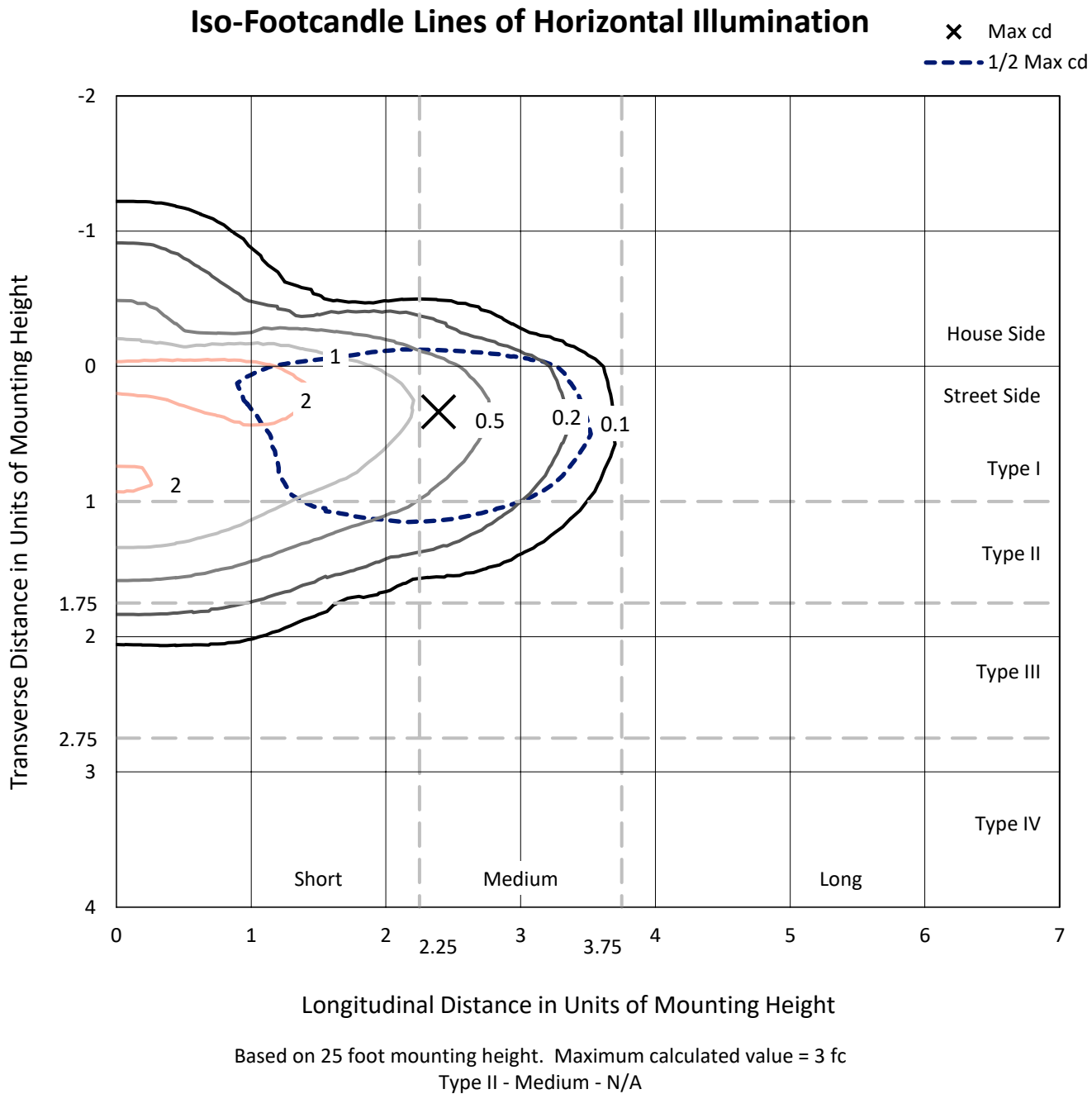
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 8582 lumens  
Efficiency: N/A  
Efficacy: 78.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 109.2  
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



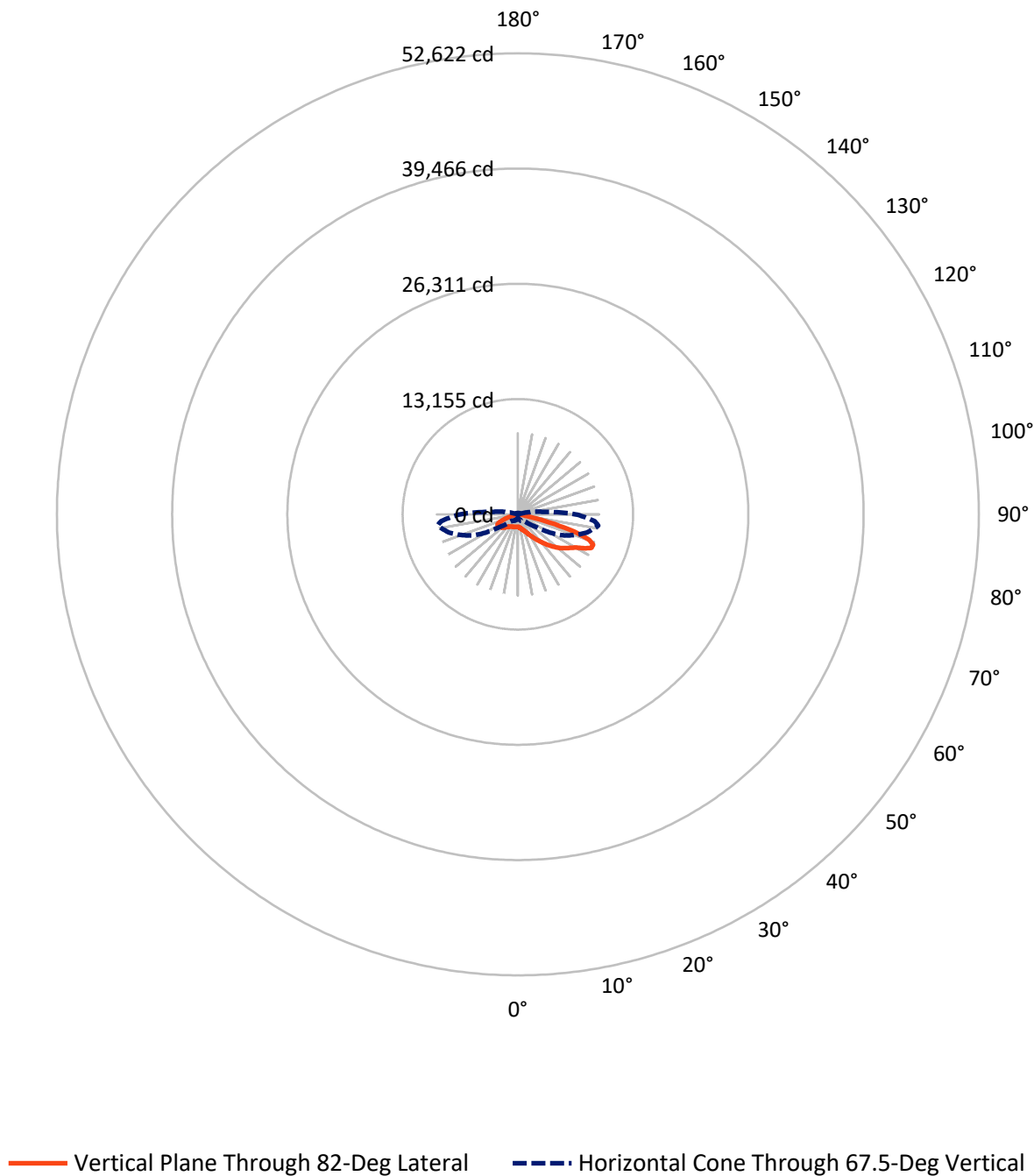
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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1554.6   | 0.0    | 1554.6 |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 7027.4   | 0.0    | 7027.4 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 8582.0   | 0.0    | 8582.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 126.7  | 1.5       |
| 10°-20°   | 329.2  | 3.8       |
| 20°-30°   | 527.2  | 6.1       |
| 30°-40°   | 932.3  | 10.9      |
| 40°-50°   | 1633.4 | 19.0      |
| 50°-60°   | 2178.5 | 25.4      |
| 60°-70°   | 2028.1 | 23.6      |
| 70°-80°   | 778.4  | 9.1       |
| 80°-90°   | 48.3   | 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°    | 8582.0 | 100.0     |
| 0°-180°   | 8582.0 | 100.0     |

**Coefficient of Utilization**



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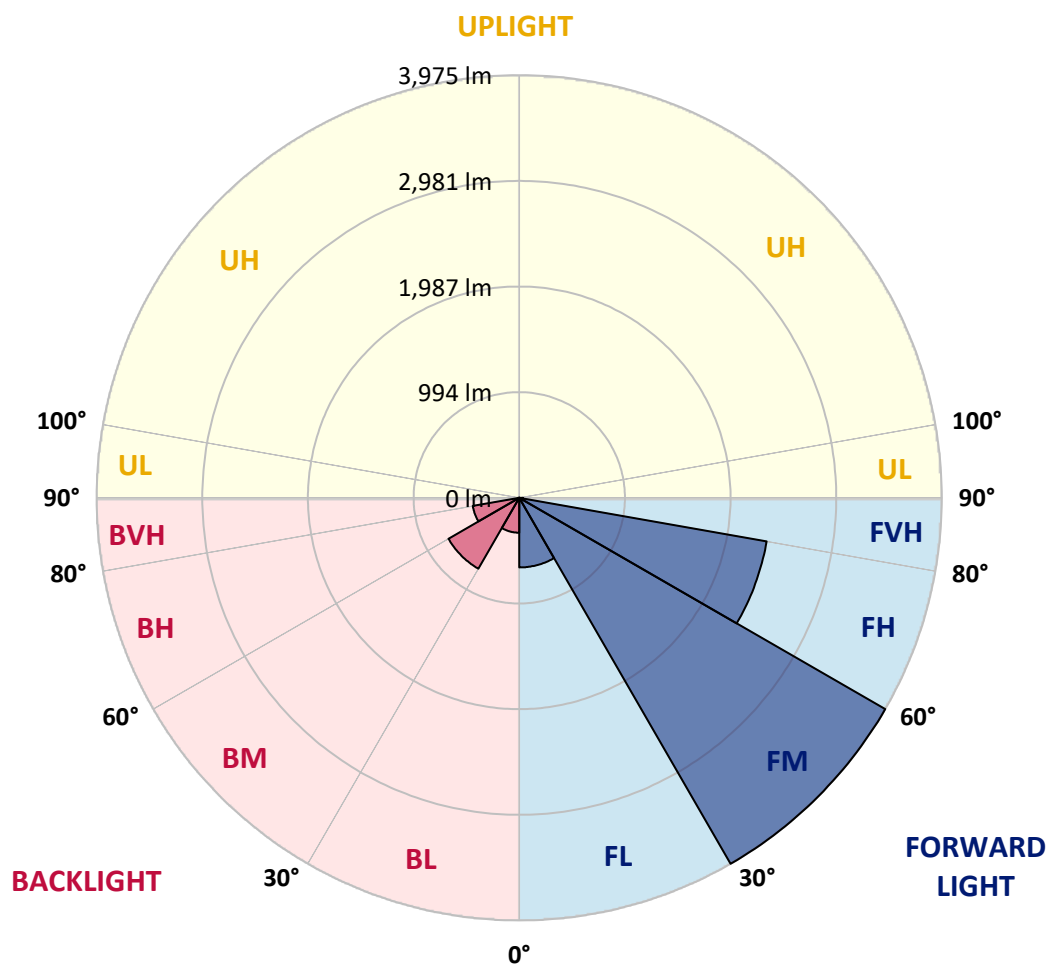
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 654.7  | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 3974.8 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 2362.8 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 35.2   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 328.3  | 3.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 769.3  | 9.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 443.7  | 5.2       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 13.2   | 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°    | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 |
| 2.5°  | 1502.7 | 1511.3 | 1506.4 | 1503.9 | 1499.6 | 1493.4 | 1488.5 | 1473.0 | 1457.0 | 1446.5 |
| 5°    | 1533.0 | 1541.6 | 1541.0 | 1543.5 | 1546.6 | 1548.4 | 1547.2 | 1529.9 | 1507.0 | 1489.1 |
| 7.5°  | 1507.0 | 1516.9 | 1524.9 | 1537.3 | 1558.9 | 1581.8 | 1592.9 | 1589.2 | 1565.7 | 1541.0 |
| 10°   | 1433.5 | 1444.0 | 1463.1 | 1492.2 | 1537.9 | 1587.3 | 1628.7 | 1647.9 | 1633.1 | 1605.9 |
| 12.5° | 1298.8 | 1309.3 | 1347.0 | 1410.0 | 1486.6 | 1572.5 | 1651.6 | 1702.9 | 1706.6 | 1679.4 |
| 15°   | 1147.4 | 1157.9 | 1198.1 | 1277.2 | 1393.9 | 1531.7 | 1664.0 | 1761.0 | 1793.7 | 1770.2 |
| 17.5° | 1053.5 | 1062.8 | 1093.0 | 1156.7 | 1278.4 | 1450.2 | 1659.6 | 1822.8 | 1897.5 | 1879.0 |
| 20°   | 1025.1 | 1033.1 | 1047.3 | 1091.8 | 1193.1 | 1365.5 | 1631.2 | 1880.8 | 2009.4 | 1998.8 |
| 22.5° | 1055.3 | 1062.8 | 1067.1 | 1086.9 | 1150.5 | 1309.9 | 1595.4 | 1940.2 | 2139.1 | 2140.3 |
| 25°   | 1125.2 | 1132.6 | 1127.6 | 1140.0 | 1167.8 | 1292.6 | 1581.8 | 2010.0 | 2302.2 | 2315.8 |
| 27.5° | 1240.1 | 1240.7 | 1229.0 | 1228.3 | 1232.7 | 1318.6 | 1596.0 | 2084.7 | 2508.0 | 2533.3 |
| 30°   | 1470.6 | 1461.3 | 1416.2 | 1367.4 | 1345.1 | 1396.4 | 1635.5 | 2173.1 | 2750.8 | 2795.9 |
| 32.5° | 1825.8 | 1812.2 | 1729.5 | 1612.7 | 1495.3 | 1521.8 | 1706.6 | 2273.8 | 3015.3 | 3096.8 |
| 35°   | 2211.4 | 2207.7 | 2121.2 | 1947.6 | 1742.4 | 1700.4 | 1822.1 | 2406.0 | 3303.8 | 3433.6 |
| 37.5° | 2569.8 | 2567.9 | 2518.5 | 2314.0 | 2064.3 | 1949.4 | 2007.5 | 2579.0 | 3612.8 | 3800.6 |
| 40°   | 2897.2 | 2902.8 | 2853.4 | 2670.5 | 2419.0 | 2268.9 | 2259.6 | 2792.8 | 3956.3 | 4200.4 |
| 42.5° | 3180.2 | 3186.4 | 3136.4 | 3001.1 | 2769.3 | 2622.3 | 2569.2 | 3054.8 | 4291.8 | 4629.8 |
| 45°   | 3372.4 | 3410.7 | 3403.3 | 3295.2 | 3129.0 | 2976.3 | 2941.1 | 3383.5 | 4674.3 | 5085.2 |
| 47.5° | 3426.8 | 3462.0 | 3517.6 | 3532.4 | 3431.1 | 3281.0 | 3323.0 | 3779.6 | 5061.1 | 5541.2 |
| 50°   | 3292.7 | 3325.4 | 3441.0 | 3594.8 | 3665.3 | 3618.9 | 3694.3 | 4204.1 | 5457.1 | 5995.9 |
| 52.5° | 3028.2 | 3061.6 | 3207.4 | 3450.9 | 3738.2 | 3884.0 | 4066.9 | 4622.4 | 5840.8 | 6426.6 |
| 55°   | 2645.8 | 2681.0 | 2868.2 | 3143.8 | 3599.2 | 3993.4 | 4377.7 | 5040.1 | 6192.4 | 6814.0 |
| 57.5° | 2125.5 | 2151.5 | 2346.1 | 2731.7 | 3249.4 | 3884.6 | 4606.9 | 5496.1 | 6523.6 | 7194.6 |
| 60°   | 1385.3 | 1408.2 | 1634.3 | 2064.3 | 2669.9 | 3521.3 | 4652.7 | 6004.6 | 6963.5 | 7689.5 |
| 62.5° | 921.3  | 936.7  | 1070.8 | 1386.5 | 1880.2 | 2823.7 | 4385.1 | 6410.5 | 7608.6 | 8550.9 |
| 65°   | 632.1  | 647.5  | 781.6  | 1001.6 | 1214.8 | 1867.9 | 3615.8 | 6356.8 | 8193.1 | 9234.9 |
| 67.5° | 451.1  | 464.0  | 577.7  | 785.3  | 879.2  | 1085.0 | 2451.1 | 5669.7 | 8109.1 | 9260.8 |
| 70°   | 323.2  | 330.6  | 424.5  | 611.7  | 698.8  | 651.9  | 1363.0 | 4336.3 | 7100.1 | 8551.5 |
| 72.5° | 226.1  | 228.6  | 294.7  | 465.9  | 562.9  | 475.8  | 648.8  | 2891.1 | 5370.0 | 6712.1 |
| 75°   | 153.2  | 156.3  | 198.3  | 341.7  | 451.7  | 363.3  | 343.5  | 1550.3 | 3152.4 | 3715.3 |
| 77.5° | 93.9   | 95.2   | 127.9  | 233.6  | 338.0  | 276.8  | 221.2  | 656.8  | 1219.7 | 1197.5 |
| 80°   | 53.1   | 53.1   | 81.6   | 145.2  | 230.5  | 178.6  | 155.1  | 279.3  | 386.2  | 339.2  |
| 82.5° | 29.7   | 30.3   | 59.3   | 90.2   | 152.6  | 105.7  | 85.3   | 129.1  | 166.8  | 147.7  |
| 85°   | 12.4   | 13.6   | 36.5   | 42.6   | 72.9   | 52.5   | 34.6   | 54.4   | 61.8   | 55.0   |
| 87.5° | 1.2    | 1.9    | 11.1   | 8.0    | 8.7    | 10.5   | 4.9    | 10.5   | 8.7    | 8.7    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1421.7 | 0°    | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 | 1421.7 |
| 1442.8 | 2.5°  | 1431.0 | 1421.7 | 1398.3 | 1371.1 | 1335.2 | 1317.9 | 1294.5 | 1278.4 | 1264.8 | 1266.0 |
| 1478.6 | 5°    | 1458.8 | 1435.3 | 1382.8 | 1317.3 | 1235.8 | 1177.7 | 1115.9 | 1073.3 | 1038.7 | 1031.2 |
| 1528.0 | 7.5°  | 1497.1 | 1460.1 | 1368.0 | 1250.0 | 1112.2 | 1007.8 | 914.5  | 854.5  | 811.9  | 798.3  |
| 1588.0 | 10°   | 1546.6 | 1492.8 | 1348.8 | 1165.3 | 967.0  | 834.1  | 734.0  | 687.1  | 658.0  | 648.2  |
| 1658.4 | 12.5° | 1604.0 | 1530.5 | 1323.5 | 1062.1 | 817.5  | 689.6  | 625.9  | 602.4  | 593.2  | 590.1  |
| 1744.9 | 15°   | 1676.3 | 1577.5 | 1285.2 | 939.8  | 690.8  | 601.2  | 574.0  | 570.9  | 572.2  | 570.9  |
| 1848.7 | 17.5° | 1762.2 | 1628.7 | 1222.8 | 813.8  | 605.5  | 556.1  | 546.2  | 548.7  | 551.8  | 551.2  |
| 1964.9 | 20°   | 1856.1 | 1679.4 | 1143.1 | 701.9  | 547.4  | 524.0  | 518.4  | 520.9  | 523.3  | 522.1  |
| 2098.9 | 22.5° | 1963.0 | 1733.8 | 1054.7 | 614.8  | 508.5  | 494.3  | 488.1  | 488.7  | 488.7  | 486.3  |
| 2268.9 | 25°   | 2090.9 | 1793.7 | 962.0  | 553.0  | 478.9  | 467.7  | 460.3  | 457.9  | 454.1  | 446.7  |
| 2475.2 | 27.5° | 2243.5 | 1857.4 | 873.1  | 509.8  | 455.4  | 444.9  | 436.2  | 430.0  | 420.8  | 408.4  |
| 2723.0 | 30°   | 2415.3 | 1934.6 | 797.7  | 482.6  | 436.8  | 426.3  | 416.5  | 407.2  | 393.6  | 378.1  |
| 3007.9 | 32.5° | 2617.3 | 2017.4 | 742.7  | 464.6  | 420.2  | 409.0  | 397.3  | 386.2  | 371.3  | 355.9  |
| 3327.9 | 35°   | 2858.3 | 2117.5 | 710.6  | 452.3  | 407.2  | 392.4  | 379.4  | 367.0  | 355.9  | 342.3  |
| 3675.8 | 37.5° | 3119.7 | 2223.8 | 700.7  | 446.1  | 398.5  | 375.7  | 360.8  | 352.2  | 351.0  | 342.9  |
| 4052.1 | 40°   | 3405.8 | 2349.8 | 708.1  | 442.4  | 389.3  | 359.6  | 343.5  | 341.7  | 344.8  | 330.6  |
| 4454.3 | 42.5° | 3708.5 | 2499.3 | 720.5  | 438.1  | 376.3  | 343.5  | 328.1  | 328.1  | 325.6  | 305.9  |
| 4879.4 | 45°   | 4036.0 | 2671.7 | 732.8  | 427.6  | 360.8  | 327.5  | 315.7  | 311.4  | 300.9  | 281.8  |
| 5307.0 | 47.5° | 4366.0 | 2847.2 | 742.1  | 408.4  | 342.3  | 313.9  | 303.4  | 293.5  | 278.0  | 260.7  |
| 5726.5 | 50°   | 4679.2 | 3004.8 | 732.2  | 380.0  | 321.3  | 300.9  | 289.8  | 276.2  | 259.5  | 247.8  |
| 6123.8 | 52.5° | 4959.1 | 3141.3 | 690.2  | 346.6  | 299.1  | 287.3  | 277.4  | 263.2  | 249.6  | 237.3  |
| 6482.2 | 55°   | 5202.6 | 3251.9 | 616.0  | 315.1  | 279.3  | 275.6  | 265.7  | 247.8  | 229.2  | 218.7  |
| 6837.5 | 57.5° | 5436.1 | 3335.9 | 523.3  | 289.2  | 261.4  | 262.6  | 247.8  | 231.7  | 214.4  | 203.3  |
| 7316.3 | 60°   | 5746.9 | 3448.4 | 429.4  | 265.1  | 242.2  | 245.9  | 229.9  | 218.1  | 196.5  | 182.3  |
| 8137.5 | 62.5° | 6243.7 | 3623.3 | 341.1  | 235.4  | 220.0  | 221.2  | 214.4  | 200.2  | 174.2  | 157.6  |
| 8746.1 | 65°   | 6637.9 | 3559.0 | 268.8  | 203.3  | 194.6  | 196.5  | 196.5  | 181.0  | 153.2  | 134.1  |
| 8778.9 | 67.5° | 6593.4 | 3047.4 | 214.4  | 171.8  | 170.5  | 171.8  | 176.1  | 163.1  | 135.9  | 120.5  |
| 8110.3 | 70°   | 6073.8 | 2424.0 | 171.8  | 142.7  | 148.3  | 145.2  | 157.6  | 148.9  | 122.3  | 106.9  |
| 6287.6 | 72.5° | 4956.0 | 1746.1 | 131.0  | 118.0  | 113.7  | 118.6  | 142.1  | 134.1  | 102.0  | 84.6   |
| 3330.4 | 75°   | 2896.0 | 931.8  | 97.6   | 93.3   | 82.2   | 98.9   | 126.0  | 114.3  | 77.9   | 62.4   |
| 1020.7 | 77.5° | 942.9  | 325.0  | 71.7   | 68.6   | 61.2   | 79.7   | 107.5  | 96.4   | 63.6   | 49.4   |
| 299.1  | 80°   | 252.7  | 98.2   | 48.8   | 45.1   | 39.5   | 59.3   | 85.3   | 76.6   | 45.7   | 32.1   |
| 128.5  | 82.5° | 101.3  | 41.4   | 28.4   | 25.3   | 21.6   | 40.8   | 67.3   | 61.8   | 34.0   | 20.4   |
| 40.2   | 85°   | 32.7   | 13.6   | 10.5   | 8.0    | 9.9    | 25.3   | 40.2   | 42.0   | 24.1   | 10.5   |
| 6.2    | 87.5° | 4.3    | 1.9    | 1.9    | 2.5    | 1.9    | 4.3    | 12.4   | 11.7   | 6.8    | 1.2    |
| 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°   |
|--------|
| 1421.7 |
| 1253.7 |
| 1014.6 |
| 784.7  |
| 640.7  |
| 588.2  |
| 570.3  |
| 549.9  |
| 521.5  |
| 485.0  |
| 445.5  |
| 407.2  |
| 376.9  |
| 356.5  |
| 341.1  |
| 342.3  |
| 331.2  |
| 305.9  |
| 281.1  |
| 260.1  |
| 245.9  |
| 236.0  |
| 217.5  |
| 202.0  |
| 180.4  |
| 156.3  |
| 132.2  |
| 118.0  |
| 105.0  |
| 82.8   |
| 60.6   |
| 47.6   |
| 31.5   |
| 20.4   |
| 8.0    |
| 0.0    |
| 0.0    |