

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: P946095

Luminaire Tested: **GLAN-SB1D-835-U-SL2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946095  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-835-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7653 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

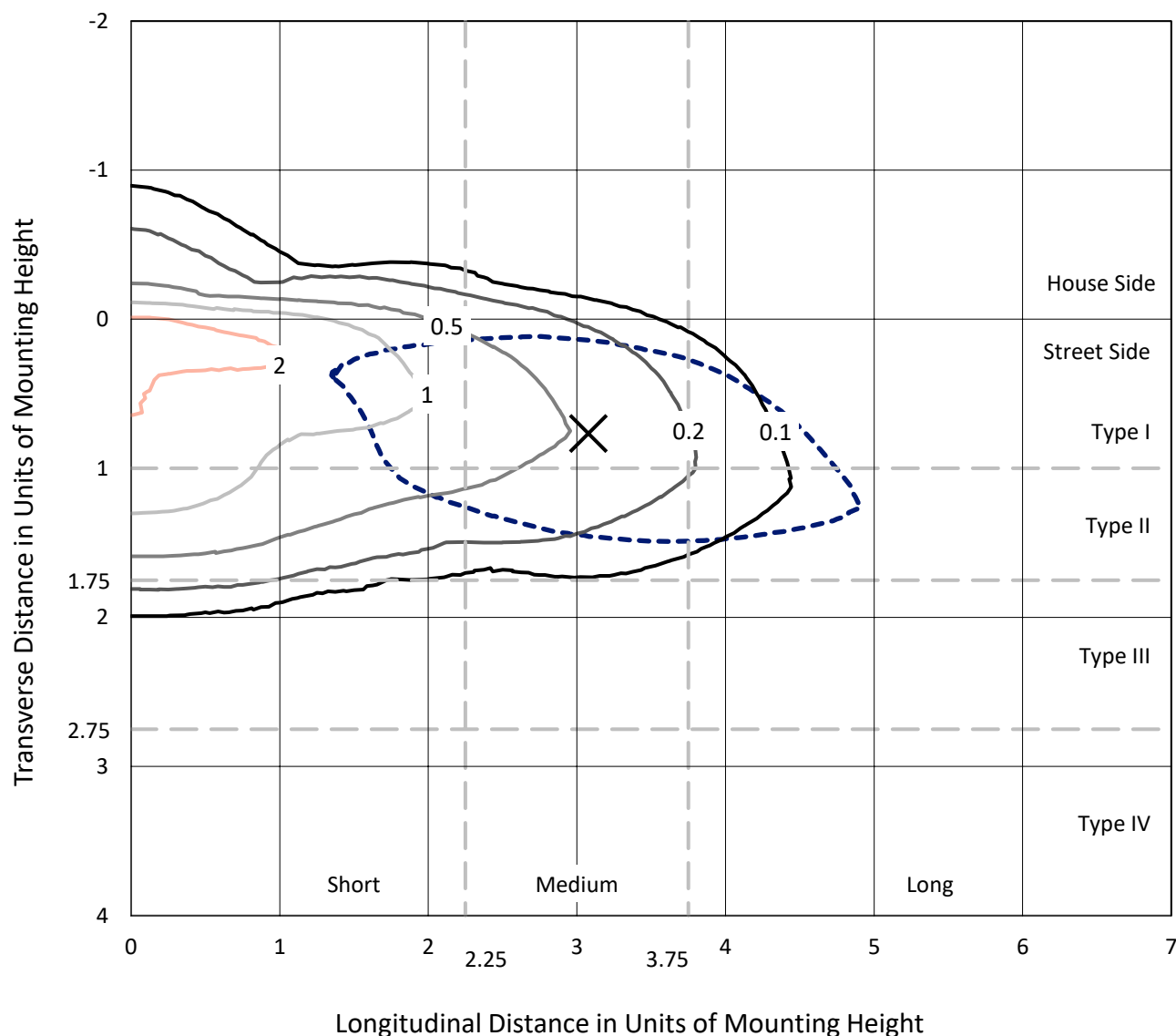
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

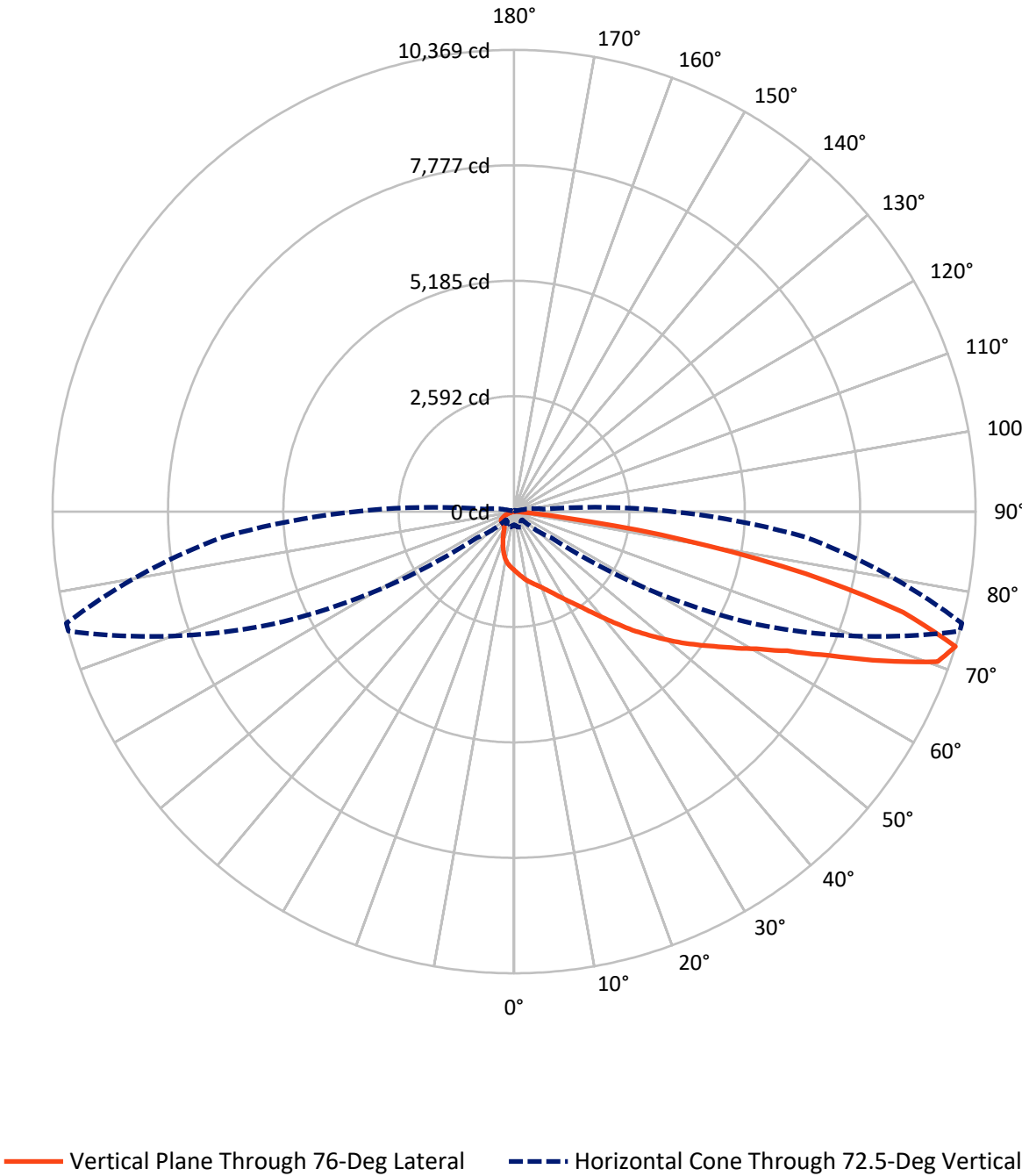
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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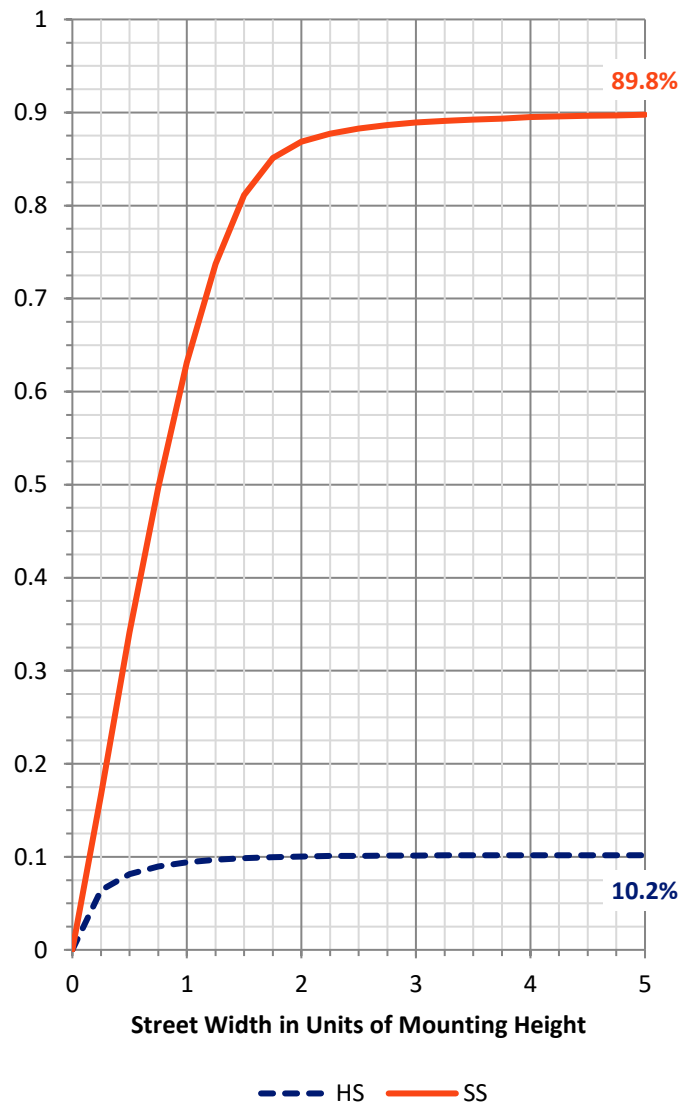
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 783.3    | 0.0    | 783.3  |
|                    | % Fixture | 10.2     | 0.0    | 10.2   |
| <b>Street Side</b> | Lumens    | 6869.7   | 0.0    | 6869.7 |
|                    | % Fixture | 89.8     | 0.0    | 89.8   |
| <b>Total</b>       | Lumens    | 7653.0   | 0.0    | 7653.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 120.3  | 1.6       |
| 10°-20°   | 322.5  | 4.2       |
| 20°-30°   | 510.4  | 6.7       |
| 30°-40°   | 789.7  | 10.3      |
| 40°-50°   | 1199.5 | 15.7      |
| 50°-60°   | 1653.6 | 21.6      |
| 60°-70°   | 1746.9 | 22.8      |
| 70°-80°   | 1198.4 | 15.7      |
| 80°-90°   | 111.5  | 1.5       |
| 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°    | 7653.0 | 100.0     |
| 0°-180°   | 7653.0 | 100.0     |

**Coefficient of Utilization**



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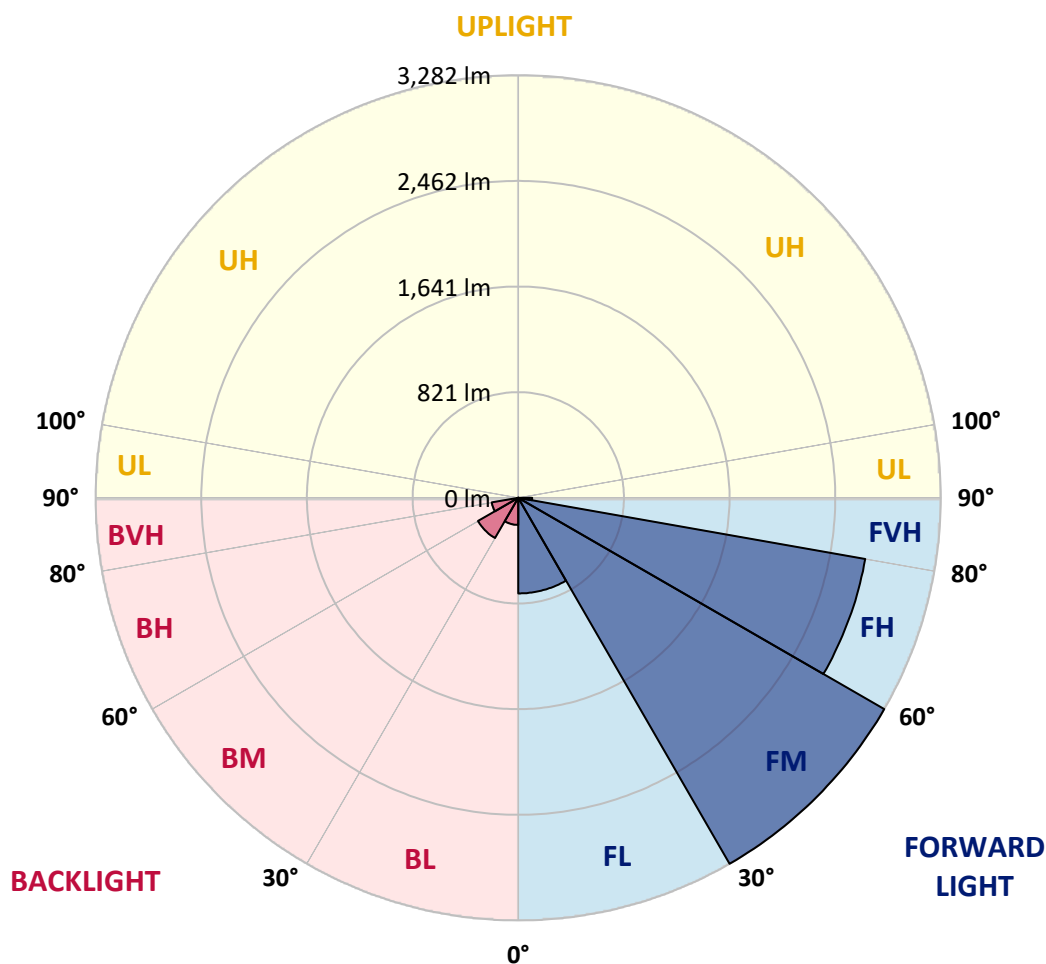
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 742.7  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 3282.2 | 42.9      |                         |      |         |
| FH   | (60°-80°)   | 2736.3 | 35.8      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 108.5  | 1.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 210.5  | 2.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 360.6  | 4.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 209.1  | 2.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 3.0    | 0.0       |                         |      | G0/10   |
| 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°     | 76°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 1322.5 | 1322.5 | 1322.5 | 1322.5 | 1322.5 | 1322.5 | 1322.5 | 1322.5 | 1322.5  | 1322.5  |
| 2.5°  | 1537.5 | 1517.1 | 1521.1 | 1500.7 | 1491.3 | 1468.5 | 1444.6 | 1413.4 | 1378.6  | 1378.6  |
| 5°    | 1699.3 | 1686.4 | 1686.4 | 1662.6 | 1644.2 | 1608.5 | 1565.8 | 1510.7 | 1445.1  | 1438.7  |
| 7.5°  | 1798.6 | 1790.6 | 1795.6 | 1781.7 | 1766.8 | 1729.6 | 1678.9 | 1607.0 | 1514.1  | 1506.2  |
| 10°   | 1817.9 | 1817.5 | 1831.4 | 1835.3 | 1845.3 | 1826.4 | 1781.2 | 1698.3 | 1582.1  | 1570.7  |
| 12.5° | 1743.0 | 1733.6 | 1767.8 | 1808.0 | 1864.6 | 1889.9 | 1866.6 | 1781.7 | 1644.2  | 1628.3  |
| 15°   | 1619.9 | 1621.9 | 1654.6 | 1716.7 | 1811.0 | 1901.3 | 1931.6 | 1863.1 | 1707.2  | 1688.4  |
| 17.5° | 1549.4 | 1541.9 | 1570.2 | 1625.8 | 1730.1 | 1857.7 | 1961.9 | 1939.1 | 1774.3  | 1752.9  |
| 20°   | 1540.9 | 1540.4 | 1546.9 | 1572.2 | 1651.6 | 1795.1 | 1958.4 | 2013.0 | 1853.2  | 1828.4  |
| 22.5° | 1599.5 | 1598.5 | 1593.1 | 1588.1 | 1609.9 | 1734.1 | 1943.5 | 2083.5 | 1947.5  | 1920.7  |
| 25°   | 1689.4 | 1687.9 | 1679.4 | 1649.2 | 1627.8 | 1701.3 | 1929.6 | 2149.1 | 2059.2  | 2029.4  |
| 27.5° | 1799.1 | 1798.1 | 1782.7 | 1737.0 | 1681.9 | 1704.3 | 1922.7 | 2216.6 | 2188.3  | 2159.0  |
| 30°   | 1933.6 | 1931.6 | 1899.9 | 1835.3 | 1763.3 | 1751.4 | 1932.1 | 2292.5 | 2322.8  | 2300.5  |
| 32.5° | 2102.4 | 2096.9 | 2055.2 | 1957.9 | 1857.2 | 1814.5 | 1950.0 | 2370.5 | 2482.2  | 2461.3  |
| 35°   | 2233.0 | 2224.5 | 2200.2 | 2114.3 | 1965.9 | 1891.9 | 1991.7 | 2462.8 | 2673.8  | 2655.4  |
| 37.5° | 2345.2 | 2336.7 | 2316.9 | 2246.4 | 2121.8 | 1990.7 | 2058.7 | 2585.9 | 2900.2  | 2891.2  |
| 40°   | 2466.3 | 2452.4 | 2443.0 | 2367.5 | 2254.8 | 2133.2 | 2154.5 | 2729.9 | 3160.8  | 3161.8  |
| 42.5° | 2559.6 | 2554.2 | 2555.2 | 2497.1 | 2383.4 | 2302.0 | 2281.6 | 2892.2 | 3473.1  | 3482.5  |
| 45°   | 2639.5 | 2635.1 | 2653.4 | 2612.7 | 2513.0 | 2412.7 | 2430.5 | 3075.9 | 3814.6  | 3834.0  |
| 47.5° | 2701.1 | 2706.1 | 2732.4 | 2706.1 | 2647.5 | 2490.6 | 2562.6 | 3274.0 | 4173.5  | 4176.0  |
| 50°   | 2762.7 | 2764.7 | 2808.3 | 2795.4 | 2771.6 | 2589.4 | 2684.2 | 3495.4 | 4551.8  | 4556.3  |
| 52.5° | 2782.0 | 2779.0 | 2848.5 | 2880.3 | 2881.3 | 2711.5 | 2841.6 | 3736.7 | 4922.7  | 4937.1  |
| 55°   | 2682.7 | 2691.2 | 2803.4 | 2932.4 | 2983.6 | 2880.3 | 3054.1 | 4042.0 | 5317.8  | 5323.8  |
| 57.5° | 2197.2 | 2243.9 | 2492.1 | 2791.5 | 3049.6 | 3122.1 | 3359.4 | 4398.9 | 5774.0  | 5768.6  |
| 60°   | 1333.4 | 1389.0 | 1685.9 | 2341.2 | 2834.2 | 3364.8 | 3809.2 | 4951.9 | 6272.5  | 6257.1  |
| 62.5° | 745.6  | 762.5  | 857.3  | 1401.4 | 2155.5 | 3210.5 | 4248.5 | 5662.3 | 6941.7  | 6889.5  |
| 65°   | 549.6  | 555.0  | 577.4  | 686.6  | 1059.4 | 2469.3 | 4152.2 | 6511.7 | 7881.9  | 7789.1  |
| 67.5° | 477.6  | 483.0  | 504.9  | 519.8  | 473.1  | 1297.2 | 3420.9 | 6982.9 | 9075.8  | 8954.2  |
| 70°   | 402.1  | 405.1  | 440.3  | 450.3  | 338.6  | 493.5  | 2197.7 | 6837.4 | 10180.9 | 10094.0 |
| 72.5° | 299.8  | 311.8  | 362.9  | 386.7  | 271.6  | 262.1  | 1034.6 | 5978.1 | 10368.1 | 10369.1 |
| 75°   | 203.5  | 214.5  | 273.0  | 318.2  | 209.5  | 183.7  | 417.5  | 4464.0 | 9028.2  | 9028.2  |
| 77.5° | 139.0  | 147.9  | 190.1  | 249.7  | 158.9  | 126.1  | 216.4  | 2833.2 | 6477.0  | 6704.9  |
| 80°   | 61.6   | 67.0   | 122.6  | 181.2  | 120.6  | 81.4   | 122.6  | 1551.4 | 3916.9  | 3868.7  |
| 82.5° | 30.3   | 34.8   | 78.4   | 113.2  | 77.9   | 50.1   | 64.5   | 737.7  | 1269.4  | 1206.3  |
| 85°   | 6.0    | 7.9    | 42.2   | 48.2   | 36.2   | 22.3   | 24.3   | 226.9  | 152.9   | 174.7   |
| 87.5° | 0.0    | 0.0    | 12.9   | 8.9    | 4.0    | 5.0    | 5.0    | 20.4   | 11.9    | 13.9    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1322.5 | 0°    | 1322.5 | 1322.5 | 1322.5 | 1322.5 | 1322.5 | 1322.5 | 1322.5 | 1322.5 | 1322.5 | 1322.5 |
| 1344.8 | 2.5°  | 1327.0 | 1308.6 | 1268.4 | 1228.7 | 1188.0 | 1150.7 | 1124.9 | 1099.1 | 1083.2 | 1076.3 |
| 1374.6 | 5°    | 1337.4 | 1300.2 | 1215.8 | 1127.4 | 1040.0 | 954.6  | 890.6  | 830.5  | 811.7  | 780.4  |
| 1409.9 | 7.5°  | 1353.8 | 1293.2 | 1160.2 | 1011.2 | 869.3  | 744.2  | 653.8  | 581.8  | 553.0  | 525.2  |
| 1440.2 | 10°   | 1364.7 | 1280.3 | 1086.7 | 887.6  | 695.5  | 555.0  | 468.6  | 416.5  | 397.6  | 380.8  |
| 1468.5 | 12.5° | 1369.2 | 1256.5 | 1002.3 | 749.1  | 541.1  | 423.0  | 371.3  | 347.0  | 340.6  | 334.6  |
| 1495.3 | 15°   | 1373.1 | 1233.1 | 908.0  | 615.6  | 427.4  | 354.0  | 333.6  | 325.7  | 321.2  | 317.2  |
| 1522.6 | 17.5° | 1376.6 | 1203.4 | 800.3  | 500.4  | 360.9  | 326.2  | 316.2  | 307.8  | 304.3  | 299.8  |
| 1561.8 | 20°   | 1388.5 | 1174.6 | 703.9  | 413.0  | 324.7  | 306.3  | 295.4  | 286.4  | 283.5  | 280.5  |
| 1617.4 | 22.5° | 1410.9 | 1151.2 | 610.6  | 354.0  | 302.8  | 285.9  | 272.0  | 262.1  | 260.1  | 258.1  |
| 1684.9 | 25°   | 1437.7 | 1122.4 | 522.7  | 315.7  | 281.5  | 262.6  | 247.2  | 238.8  | 236.8  | 237.3  |
| 1762.8 | 27.5° | 1471.9 | 1090.7 | 447.3  | 291.4  | 262.6  | 240.8  | 223.4  | 216.9  | 217.9  | 219.9  |
| 1852.7 | 30°   | 1509.7 | 1061.4 | 388.2  | 274.5  | 245.7  | 221.4  | 204.0  | 199.6  | 203.0  | 206.0  |
| 1972.8 | 32.5° | 1565.8 | 1035.6 | 347.0  | 261.1  | 230.8  | 205.5  | 191.6  | 186.2  | 190.1  | 194.1  |
| 2126.2 | 35°   | 1642.2 | 1022.7 | 323.7  | 249.7  | 217.9  | 193.1  | 179.2  | 175.2  | 179.2  | 180.2  |
| 2313.4 | 37.5° | 1736.0 | 1021.7 | 313.7  | 240.3  | 206.0  | 182.7  | 167.3  | 165.8  | 168.8  | 169.3  |
| 2538.3 | 40°   | 1857.2 | 1028.1 | 306.3  | 233.3  | 193.6  | 170.8  | 156.4  | 154.9  | 155.9  | 159.4  |
| 2808.8 | 42.5° | 2010.6 | 1054.9 | 295.9  | 224.4  | 180.2  | 158.9  | 147.4  | 144.0  | 143.5  | 147.4  |
| 3111.7 | 45°   | 2203.2 | 1114.0 | 282.0  | 210.0  | 168.3  | 148.9  | 137.5  | 133.5  | 132.1  | 133.0  |
| 3424.4 | 47.5° | 2413.2 | 1186.5 | 268.1  | 196.6  | 159.9  | 141.0  | 129.6  | 124.6  | 122.1  | 122.1  |
| 3716.8 | 50°   | 2616.7 | 1268.4 | 258.6  | 182.7  | 153.9  | 133.5  | 121.1  | 116.2  | 112.2  | 111.2  |
| 4017.7 | 52.5° | 2818.3 | 1348.8 | 251.2  | 168.8  | 146.9  | 124.1  | 113.2  | 107.7  | 103.3  | 101.3  |
| 4315.5 | 55°   | 3001.9 | 1425.3 | 238.3  | 155.4  | 138.0  | 114.2  | 105.2  | 99.8   | 94.3   | 90.8   |
| 4617.3 | 57.5° | 3178.2 | 1488.8 | 214.5  | 141.5  | 124.1  | 104.7  | 96.8   | 90.8   | 84.4   | 79.9   |
| 4922.7 | 60°   | 3338.5 | 1521.6 | 184.7  | 126.6  | 110.2  | 94.8   | 87.4   | 81.9   | 73.5   | 66.0   |
| 5223.0 | 62.5° | 3460.7 | 1508.7 | 152.4  | 109.7  | 95.8   | 85.9   | 76.5   | 71.0   | 61.1   | 52.1   |
| 5582.9 | 65°   | 3585.8 | 1438.2 | 121.6  | 91.8   | 83.9   | 74.0   | 64.0   | 58.6   | 47.2   | 37.7   |
| 6069.9 | 67.5° | 3748.1 | 1287.8 | 95.8   | 76.5   | 72.5   | 58.6   | 50.1   | 46.7   | 38.7   | 29.8   |
| 6592.7 | 70°   | 3852.3 | 1000.3 | 74.5   | 62.1   | 59.6   | 42.7   | 38.7   | 38.2   | 30.8   | 22.8   |
| 6557.4 | 72.5° | 3566.4 | 655.8  | 57.1   | 47.2   | 42.7   | 27.8   | 29.8   | 29.8   | 22.3   | 15.4   |
| 5748.2 | 75°   | 2977.1 | 383.7  | 41.2   | 33.8   | 24.3   | 17.9   | 20.4   | 20.4   | 13.9   | 7.4    |
| 4097.1 | 77.5° | 2126.2 | 204.5  | 27.3   | 20.9   | 12.4   | 7.9    | 10.9   | 10.4   | 4.5    | 0.5    |
| 1606.0 | 80°   | 813.2  | 70.5   | 12.9   | 8.4    | 3.5    | 1.5    | 1.0    | 0.5    | 0.5    | 0.0    |
| 250.7  | 82.5° | 124.1  | 18.4   | 2.5    | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 53.1   | 85°   | 22.3   | 2.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 13.9   | 87.5° | 5.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O



| 180°   |
|--------|
| 1322.5 |
| 1077.3 |
| 782.4  |
| 524.7  |
| 380.3  |
| 334.6  |
| 317.2  |
| 299.8  |
| 281.0  |
| 256.7  |
| 236.3  |
| 218.9  |
| 205.0  |
| 193.1  |
| 179.7  |
| 168.3  |
| 158.9  |
| 146.9  |
| 134.5  |
| 122.1  |
| 110.7  |
| 100.3  |
| 89.4   |
| 77.9   |
| 64.0   |
| 48.7   |
| 35.2   |
| 27.8   |
| 20.4   |
| 13.4   |
| 6.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |