

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: P940568

Luminaire Tested: **GLAN-SB3C-940-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940568  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-940-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12328 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 149.1  
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

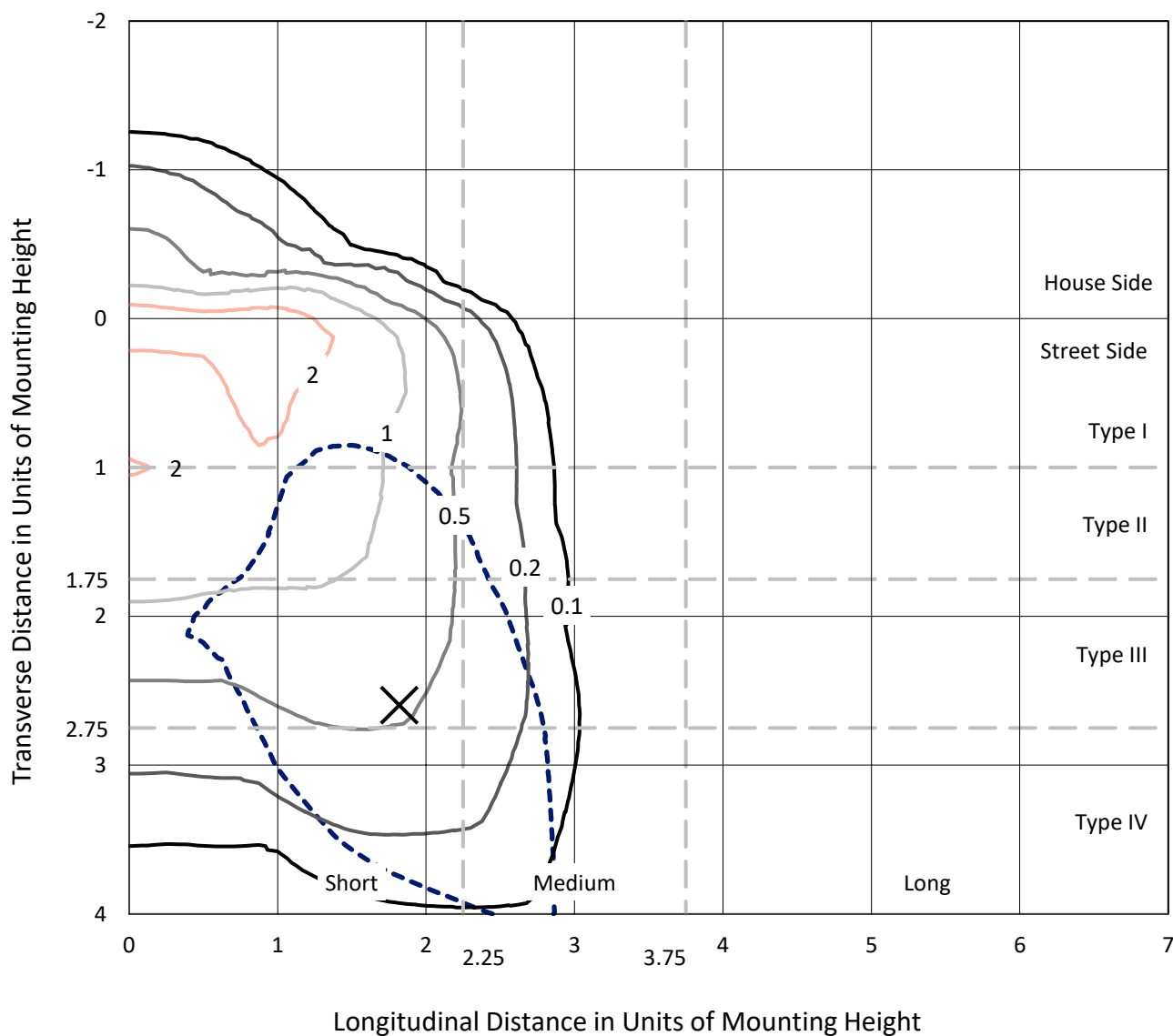


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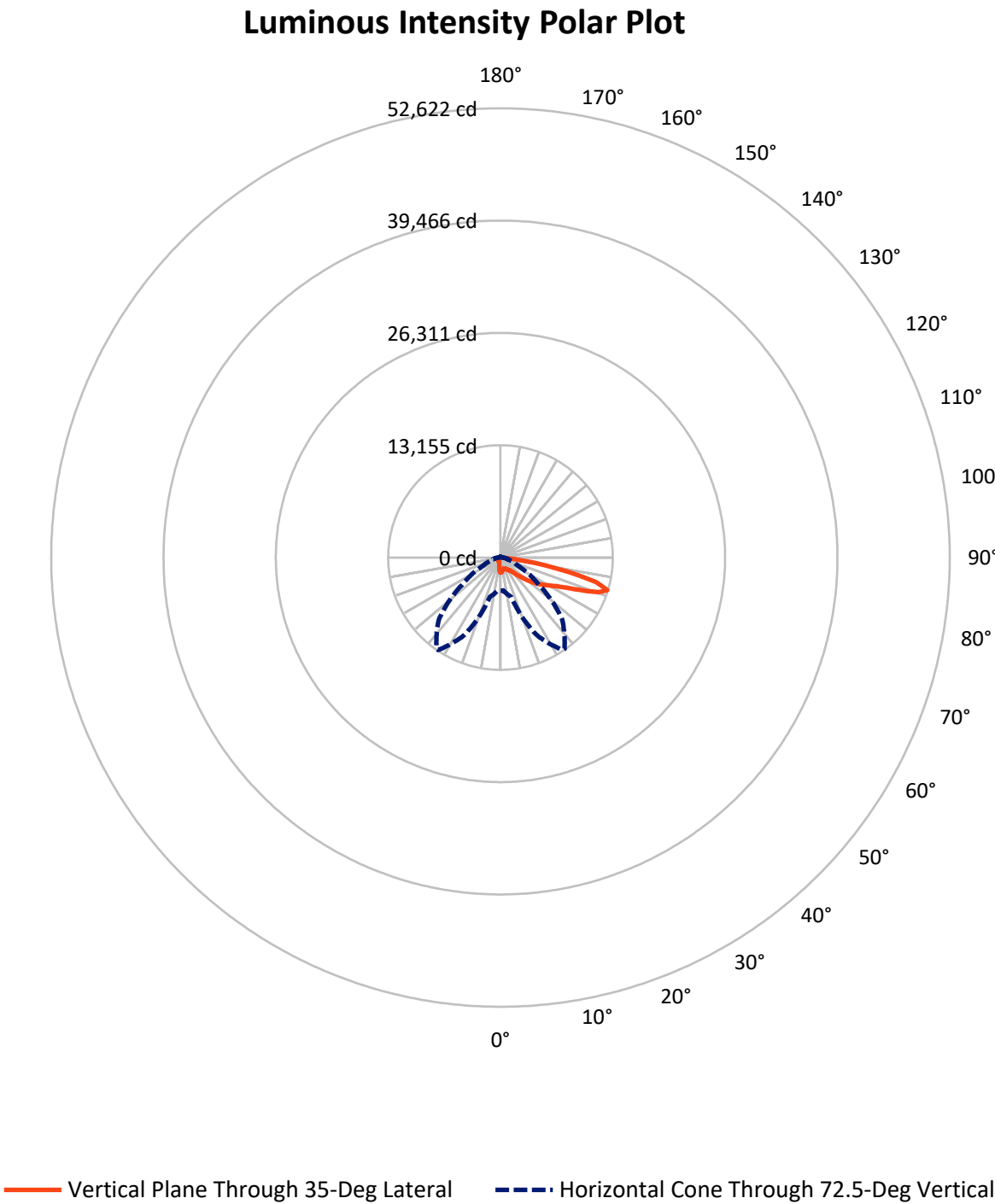
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
Type IV - Short - N/A

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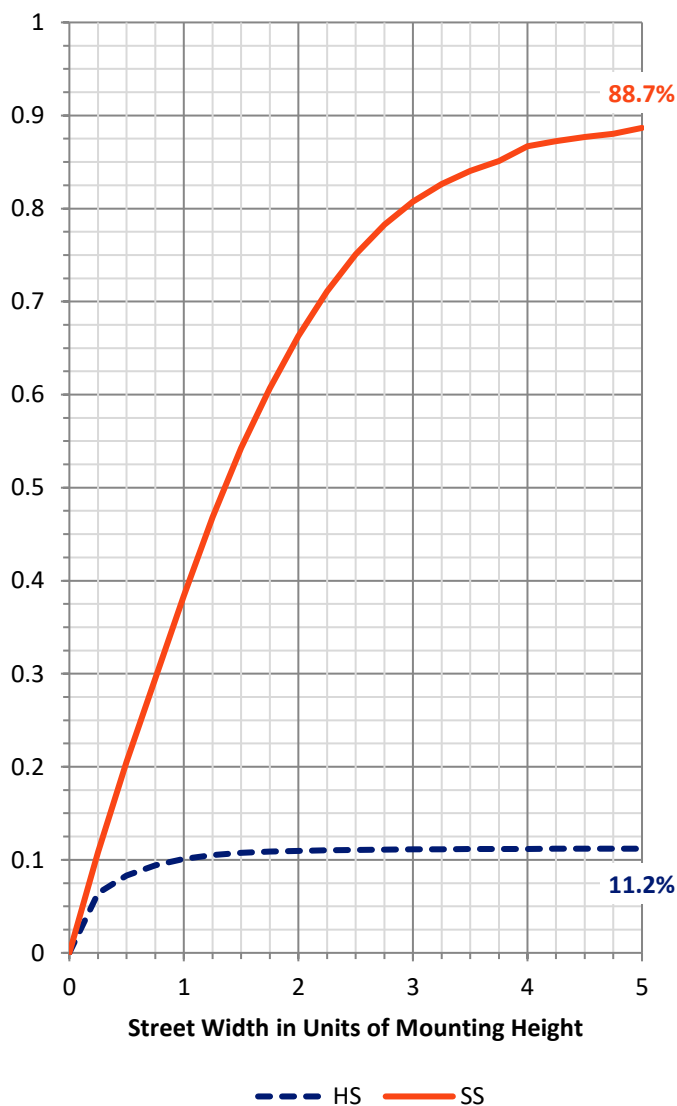
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1387.5   | 0.0    | 1387.5  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 10940.5  | 0.0    | 10940.5 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 12328.0  | 0.0    | 12328.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 146.8   | 1.2       |
| 10°-20°   | 343.5   | 2.8       |
| 20°-30°   | 558.0   | 4.5       |
| 30°-40°   | 931.0   | 7.6       |
| 40°-50°   | 1761.4  | 14.3      |
| 50°-60°   | 2798.8  | 22.7      |
| 60°-70°   | 3462.4  | 28.1      |
| 70°-80°   | 2152.2  | 17.5      |
| 80°-90°   | 173.9   | 1.4       |
| 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°    | 12328.0 | 100.0     |
| 0°-180°   | 12328.0 | 100.0     |

**Coefficient of Utilization**



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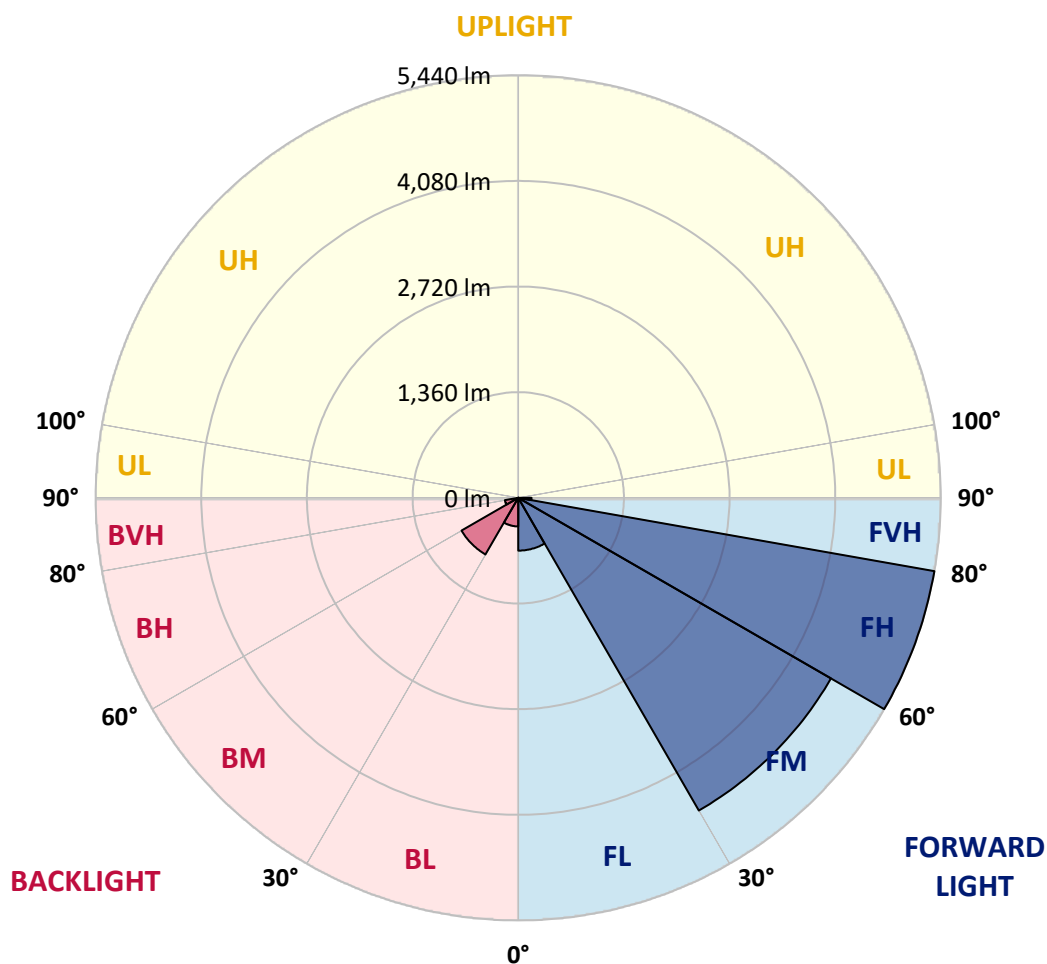
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 679.6  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 4648.9 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 5440.5 | 44.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 171.6  | 1.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 368.7  | 3.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 842.3  | 6.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 174.1  | 1.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.4    | 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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 34°     | 35°     | 45°     | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 1786.7 | 1786.7 | 1786.7 | 1786.7  | 1786.7  | 1786.7  | 1786.7  | 1786.7 | 1786.7 | 1786.7 |
| 2.5°  | 1707.2 | 1721.7 | 1724.4 | 1728.9  | 1728.9  | 1734.3  | 1743.4  | 1756.0 | 1776.8 | 1787.6 |
| 5°    | 1573.6 | 1584.4 | 1597.9 | 1608.8  | 1629.6  | 1632.3  | 1667.5  | 1701.8 | 1749.7 | 1785.8 |
| 7.5°  | 1439.0 | 1451.6 | 1469.7 | 1495.9  | 1523.0  | 1531.1  | 1584.4  | 1642.2 | 1718.1 | 1785.8 |
| 10°   | 1344.1 | 1345.0 | 1361.3 | 1387.5  | 1430.8  | 1440.8  | 1505.8  | 1588.0 | 1682.9 | 1775.0 |
| 12.5° | 1290.8 | 1297.1 | 1304.4 | 1324.2  | 1365.8  | 1372.1  | 1441.7  | 1538.3 | 1647.6 | 1768.7 |
| 15°   | 1290.8 | 1295.3 | 1299.9 | 1309.8  | 1343.2  | 1348.6  | 1410.1  | 1506.7 | 1629.6 | 1771.4 |
| 17.5° | 1304.4 | 1311.6 | 1308.0 | 1319.7  | 1355.0  | 1358.6  | 1412.8  | 1497.7 | 1628.7 | 1788.5 |
| 20°   | 1336.9 | 1342.3 | 1335.1 | 1342.3  | 1377.5  | 1384.8  | 1440.8  | 1514.8 | 1644.0 | 1818.4 |
| 22.5° | 1388.4 | 1391.1 | 1373.9 | 1379.3  | 1415.5  | 1424.5  | 1489.6  | 1563.6 | 1681.1 | 1866.2 |
| 25°   | 1453.4 | 1458.8 | 1432.6 | 1439.0  | 1473.3  | 1484.1  | 1559.1  | 1636.8 | 1739.8 | 1932.2 |
| 27.5° | 1528.4 | 1531.1 | 1508.5 | 1507.6  | 1551.9  | 1567.2  | 1643.1  | 1727.1 | 1818.4 | 2015.3 |
| 30°   | 1614.2 | 1622.3 | 1600.7 | 1597.0  | 1653.1  | 1665.7  | 1740.7  | 1838.2 | 1934.0 | 2139.9 |
| 32.5° | 1682.0 | 1688.3 | 1675.6 | 1684.7  | 1741.6  | 1751.5  | 1859.0  | 1995.4 | 2115.5 | 2317.0 |
| 35°   | 1779.5 | 1783.1 | 1754.2 | 1770.5  | 1835.5  | 1860.8  | 2020.7  | 2215.8 | 2344.1 | 2539.2 |
| 37.5° | 2132.7 | 2132.7 | 2009.9 | 1929.5  | 1991.8  | 2014.4  | 2242.0  | 2493.1 | 2625.9 | 2837.3 |
| 40°   | 2621.4 | 2613.3 | 2433.5 | 2269.1  | 2261.0  | 2305.2  | 2557.3  | 2842.7 | 2989.9 | 3195.0 |
| 42.5° | 3142.6 | 3130.0 | 2885.2 | 2722.6  | 2695.5  | 2710.8  | 2921.3  | 3273.6 | 3423.5 | 3631.3 |
| 45°   | 3605.1 | 3601.5 | 3377.5 | 3158.9  | 3110.1  | 3158.9  | 3375.7  | 3777.6 | 3885.1 | 4103.7 |
| 47.5° | 3992.6 | 3992.6 | 3829.1 | 3686.4  | 3661.1  | 3690.0  | 3990.8  | 4336.8 | 4326.8 | 4606.9 |
| 50°   | 4438.8 | 4435.2 | 4279.9 | 4218.4  | 4244.6  | 4285.3  | 4699.0  | 4925.7 | 4783.9 | 5101.0 |
| 52.5° | 4751.4 | 4773.1 | 4719.8 | 4709.8  | 4843.5  | 4914.0  | 5418.0  | 5502.0 | 5193.1 | 5569.8 |
| 55°   | 4998.9 | 5024.2 | 5085.6 | 5155.2  | 5412.6  | 5504.8  | 6114.5  | 6048.5 | 5535.5 | 5976.3 |
| 57.5° | 5349.4 | 5313.2 | 5408.1 | 5545.4  | 5961.8  | 6072.9  | 6789.3  | 6564.3 | 5811.0 | 6306.0 |
| 60°   | 5774.8 | 5780.3 | 5796.5 | 5970.0  | 6510.1  | 6652.9  | 7454.1  | 7052.1 | 5988.0 | 6508.3 |
| 62.5° | 6286.1 | 6294.2 | 6327.7 | 6594.1  | 7246.3  | 7380.9  | 8162.3  | 7451.4 | 6069.3 | 6451.4 |
| 65°   | 6250.9 | 6285.2 | 6658.3 | 7569.7  | 8365.5  | 8498.3  | 8988.8  | 7731.4 | 5946.5 | 5931.1 |
| 67.5° | 5694.4 | 5750.5 | 6374.6 | 8735.0  | 10052.9 | 10201.0 | 9987.9  | 7786.5 | 5416.2 | 4612.3 |
| 70°   | 4964.6 | 4984.4 | 5735.1 | 9782.8  | 12006.8 | 12156.7 | 10882.1 | 7180.4 | 4110.0 | 2572.6 |
| 72.5° | 3877.0 | 3881.5 | 4762.2 | 10025.8 | 13067.2 | 13075.4 | 10180.3 | 5330.4 | 2210.4 | 988.2  |
| 75°   | 2769.5 | 2742.4 | 3189.6 | 8130.7  | 11496.4 | 11588.5 | 7632.0  | 2500.4 | 844.6  | 467.0  |
| 77.5° | 1485.0 | 1514.8 | 1804.8 | 4821.9  | 7941.9  | 8099.0  | 4164.2  | 720.8  | 430.0  | 318.0  |
| 80°   | 458.9  | 484.2  | 739.8  | 2207.7  | 4498.5  | 4593.3  | 1543.8  | 320.7  | 299.9  | 226.7  |
| 82.5° | 144.5  | 149.9  | 345.1  | 927.7   | 1867.1  | 1910.5  | 447.1   | 181.6  | 205.1  | 149.9  |
| 85°   | 41.6   | 42.5   | 153.6  | 346.0   | 461.6   | 470.6   | 125.6   | 70.5   | 117.4  | 93.0   |
| 87.5° | 4.5    | 14.5   | 57.8   | 57.8    | 40.6    | 39.7    | 13.5    | 15.4   | 33.4   | 11.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1786.7 | 0°    | 1786.7 | 1786.7 | 1786.7 | 1786.7 | 1786.7 | 1786.7 | 1786.7 | 1786.7 | 1786.7 | 1786.7 |
| 1794.9 | 2.5°  | 1790.4 | 1791.3 | 1779.5 | 1759.6 | 1738.0 | 1719.9 | 1697.3 | 1679.2 | 1666.6 | 1663.0 |
| 1811.1 | 5°    | 1803.0 | 1796.7 | 1763.3 | 1702.7 | 1630.5 | 1568.1 | 1498.6 | 1443.5 | 1407.4 | 1392.0 |
| 1828.3 | 7.5°  | 1822.0 | 1803.9 | 1730.7 | 1611.5 | 1473.3 | 1350.4 | 1225.8 | 1129.1 | 1067.7 | 1037.0 |
| 1844.6 | 10°   | 1838.2 | 1802.1 | 1676.5 | 1479.6 | 1268.2 | 1082.2 | 914.1  | 797.6  | 732.6  | 701.9  |
| 1863.5 | 12.5° | 1853.6 | 1801.2 | 1606.1 | 1323.3 | 1037.0 | 809.4  | 653.1  | 595.3  | 577.2  | 570.9  |
| 1894.2 | 15°   | 1882.5 | 1803.9 | 1517.6 | 1144.5 | 806.7  | 611.5  | 554.6  | 553.7  | 557.3  | 555.5  |
| 1941.2 | 17.5° | 1922.2 | 1806.6 | 1417.3 | 954.8  | 622.4  | 539.3  | 536.6  | 544.7  | 550.1  | 547.4  |
| 1999.9 | 20°   | 1973.7 | 1817.5 | 1310.7 | 766.9  | 534.8  | 521.2  | 527.5  | 534.8  | 539.3  | 534.8  |
| 2078.5 | 22.5° | 2046.0 | 1836.4 | 1194.2 | 616.1  | 506.8  | 510.4  | 515.8  | 523.9  | 528.4  | 522.1  |
| 2178.8 | 25°   | 2134.5 | 1866.2 | 1079.5 | 535.7  | 493.2  | 497.7  | 505.9  | 514.9  | 520.3  | 514.0  |
| 2305.2 | 27.5° | 2249.2 | 1914.1 | 973.8  | 517.6  | 479.7  | 482.4  | 494.1  | 507.7  | 514.9  | 506.8  |
| 2485.0 | 30°   | 2415.4 | 1992.7 | 882.5  | 525.7  | 471.5  | 465.2  | 481.5  | 500.4  | 508.6  | 501.3  |
| 2729.8 | 32.5° | 2635.8 | 2103.8 | 826.5  | 538.4  | 467.9  | 445.3  | 460.7  | 485.1  | 498.6  | 494.1  |
| 3049.6 | 35°   | 2924.9 | 2272.7 | 804.8  | 552.8  | 465.2  | 424.6  | 435.4  | 461.6  | 485.1  | 489.6  |
| 3452.4 | 37.5° | 3275.4 | 2507.6 | 811.2  | 559.1  | 457.1  | 407.4  | 412.8  | 435.4  | 466.1  | 480.6  |
| 3905.9 | 40°   | 3673.7 | 2781.3 | 847.3  | 552.8  | 448.0  | 392.9  | 393.8  | 411.0  | 438.1  | 459.8  |
| 4393.7 | 42.5° | 4084.8 | 3101.1 | 914.1  | 529.3  | 439.9  | 380.3  | 377.6  | 389.3  | 407.4  | 422.7  |
| 4880.6 | 45°   | 4475.9 | 3429.9 | 980.1  | 496.8  | 430.0  | 367.6  | 361.3  | 365.8  | 369.5  | 375.8  |
| 5354.8 | 47.5° | 4817.3 | 3661.1 | 961.1  | 467.0  | 416.4  | 353.2  | 342.4  | 340.5  | 329.7  | 328.8  |
| 5778.5 | 50°   | 5053.1 | 3711.7 | 853.6  | 437.2  | 396.6  | 336.9  | 319.8  | 308.9  | 290.0  | 280.9  |
| 6095.5 | 52.5° | 5128.1 | 3512.1 | 697.4  | 407.4  | 364.0  | 315.3  | 290.9  | 273.7  | 250.2  | 242.1  |
| 6278.0 | 55°   | 5028.7 | 3120.9 | 557.3  | 371.3  | 318.9  | 286.3  | 259.2  | 236.7  | 217.7  | 207.8  |
| 6297.9 | 57.5° | 4785.7 | 2623.2 | 440.8  | 328.8  | 271.0  | 253.8  | 226.7  | 204.1  | 187.9  | 178.0  |
| 6077.4 | 60°   | 4382.8 | 2083.0 | 348.7  | 278.2  | 231.2  | 218.6  | 190.6  | 176.1  | 161.7  | 149.9  |
| 5508.4 | 62.5° | 3771.3 | 1486.8 | 273.7  | 220.4  | 193.3  | 178.9  | 162.6  | 151.8  | 134.6  | 118.3  |
| 4484.9 | 65°   | 2943.0 | 909.6  | 211.4  | 161.7  | 155.4  | 148.1  | 138.2  | 128.3  | 107.5  | 91.2   |
| 2925.8 | 67.5° | 1856.3 | 430.9  | 150.9  | 121.9  | 122.8  | 119.2  | 114.7  | 106.6  | 91.2   | 76.8   |
| 1310.7 | 70°   | 817.5  | 208.7  | 99.4   | 93.0   | 91.2   | 91.2   | 94.8   | 92.1   | 77.7   | 64.1   |
| 455.3  | 72.5° | 278.2  | 112.0  | 74.1   | 70.5   | 65.9   | 65.0   | 79.5   | 76.8   | 62.3   | 49.7   |
| 226.7  | 75°   | 145.4  | 75.0   | 54.2   | 50.6   | 39.7   | 47.9   | 63.2   | 59.6   | 44.3   | 32.5   |
| 149.9  | 77.5° | 94.8   | 53.3   | 37.0   | 32.5   | 22.6   | 31.6   | 47.0   | 41.6   | 26.2   | 16.3   |
| 98.5   | 80°   | 59.6   | 35.2   | 21.7   | 15.4   | 10.8   | 17.2   | 25.3   | 18.1   | 9.9    | 3.6    |
| 57.8   | 82.5° | 31.6   | 18.1   | 8.1    | 5.4    | 4.5    | 5.4    | 6.3    | 4.5    | 1.8    | 0.0    |
| 29.8   | 85°   | 12.6   | 6.3    | 2.7    | 1.8    | 0.9    | 0.0    | 1.8    | 0.9    | 0.0    | 0.0    |
| 5.4    | 87.5° | 4.5    | 0.9    | 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    |

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| 180°   |
|--------|
| 1786.7 |
| 1669.3 |
| 1397.4 |
| 1041.5 |
| 702.8  |
| 569.1  |
| 554.6  |
| 546.5  |
| 533.9  |
| 521.2  |
| 513.1  |
| 506.8  |
| 500.4  |
| 494.1  |
| 489.6  |
| 484.2  |
| 467.0  |
| 429.1  |
| 379.4  |
| 327.9  |
| 281.8  |
| 241.2  |
| 207.8  |
| 176.1  |
| 147.2  |
| 115.6  |
| 88.5   |
| 75.0   |
| 61.4   |
| 47.0   |
| 29.8   |
| 14.5   |
| 2.7    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |