

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: P946222

Luminaire Tested: **GLAN-SB1D-940-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946222  
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-SB1D-940-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7332 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - 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



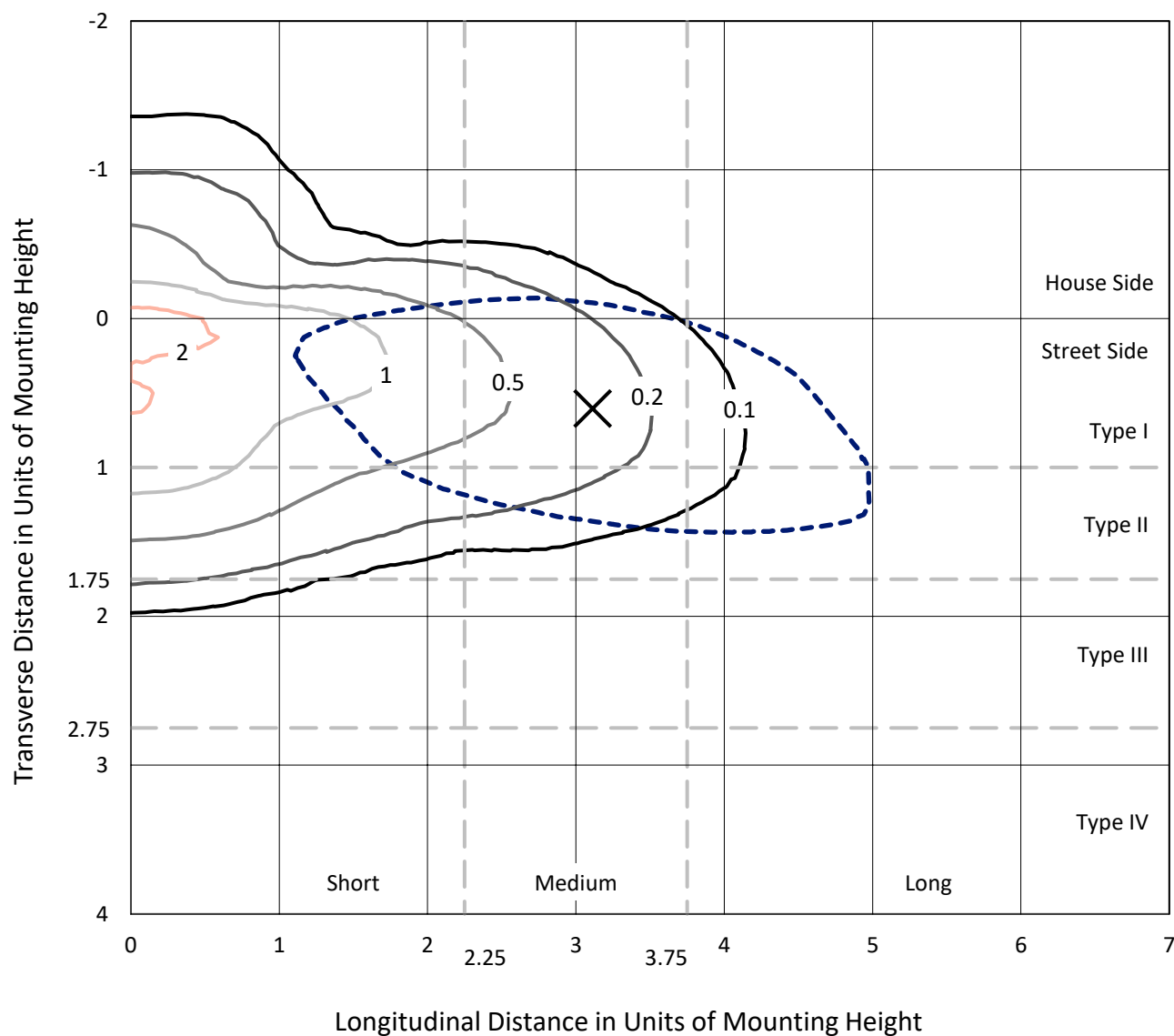
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## Iso-Footcandle Lines of Horizontal Illumination

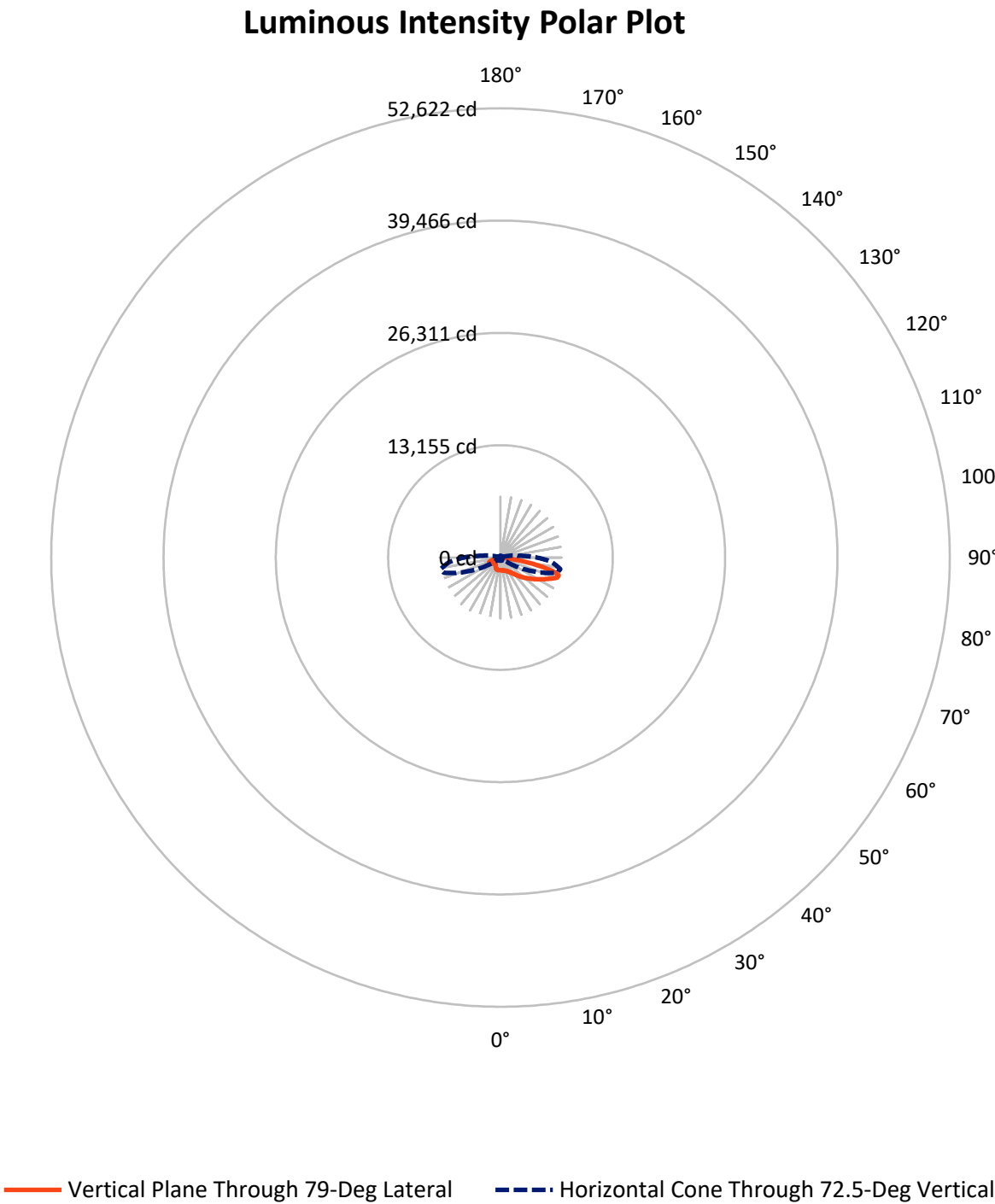
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
Type II - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1613.4   | 0.0    | 1613.4 |
|                    | % Fixture | 22.0     | 0.0    | 22.0   |
| <b>Street Side</b> | Lumens    | 5718.6   | 0.0    | 5718.6 |
|                    | % Fixture | 78.0     | 0.0    | 78.0   |
| <b>Total</b>       | Lumens    | 7332.0   | 0.0    | 7332.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 133.6  | 1.8       |
| 10°-20°   | 349.3  | 4.8       |
| 20°-30°   | 563.6  | 7.7       |
| 30°-40°   | 845.9  | 11.5      |
| 40°-50°   | 1200.0 | 16.4      |
| 50°-60°   | 1515.4 | 20.7      |
| 60°-70°   | 1539.1 | 21.0      |
| 70°-80°   | 1049.0 | 14.3      |
| 80°-90°   | 136.1  | 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°    | 7332.0 | 100.0     |
| 0°-180°   | 7332.0 | 100.0     |

**Coefficient of Utilization**



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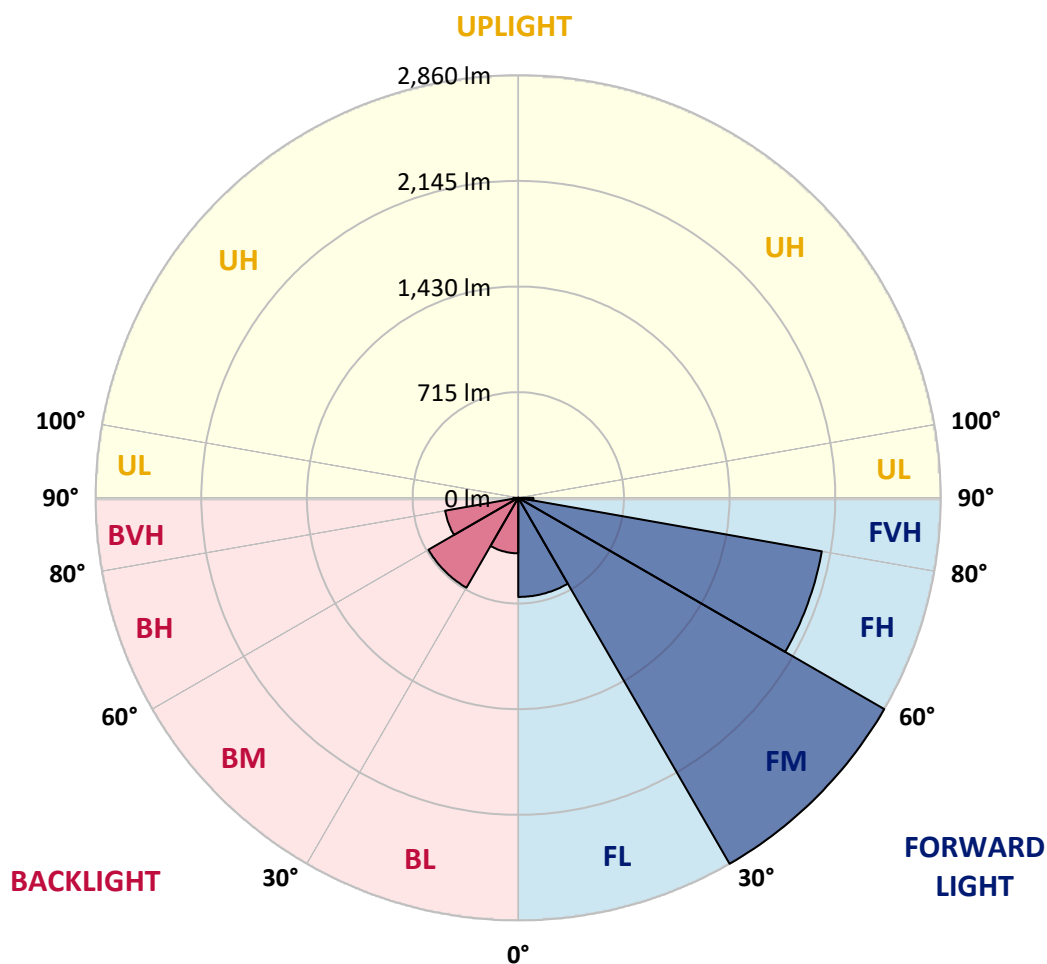
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 670.7  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 2859.6 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 2085.7 | 28.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 102.5  | 1.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 375.8  | 5.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 701.7  | 9.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 502.4  | 6.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 33.6   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 |
| 2.5°  | 1472.6 | 1465.6 | 1469.9 | 1468.3 | 1470.3 | 1472.6 | 1473.4 | 1474.5 | 1478.4 | 1478.0 |
| 5°    | 1469.5 | 1462.5 | 1468.3 | 1466.4 | 1471.4 | 1476.9 | 1481.5 | 1485.8 | 1492.0 | 1494.7 |
| 7.5°  | 1462.9 | 1458.3 | 1464.1 | 1469.9 | 1479.2 | 1487.3 | 1493.9 | 1503.6 | 1512.6 | 1514.1 |
| 10°   | 1424.5 | 1421.0 | 1434.6 | 1449.7 | 1475.3 | 1497.4 | 1511.8 | 1523.0 | 1532.7 | 1534.3 |
| 12.5° | 1384.6 | 1380.3 | 1395.4 | 1416.0 | 1457.5 | 1497.4 | 1527.7 | 1542.4 | 1550.9 | 1556.0 |
| 15°   | 1378.0 | 1374.5 | 1383.0 | 1400.9 | 1435.4 | 1487.0 | 1538.5 | 1565.7 | 1573.1 | 1578.9 |
| 17.5° | 1409.8 | 1403.2 | 1406.7 | 1412.9 | 1433.0 | 1477.3 | 1547.1 | 1592.1 | 1603.3 | 1609.5 |
| 20°   | 1483.5 | 1474.2 | 1468.7 | 1456.3 | 1452.8 | 1478.8 | 1546.3 | 1623.9 | 1638.6 | 1646.4 |
| 22.5° | 1581.6 | 1575.4 | 1563.7 | 1532.3 | 1498.2 | 1497.8 | 1561.0 | 1664.6 | 1692.1 | 1699.5 |
| 25°   | 1700.3 | 1691.0 | 1676.2 | 1633.6 | 1568.0 | 1535.4 | 1585.9 | 1716.6 | 1762.7 | 1764.6 |
| 27.5° | 1836.8 | 1822.8 | 1802.7 | 1746.4 | 1658.0 | 1594.4 | 1623.9 | 1776.3 | 1843.8 | 1843.0 |
| 30°   | 1980.7 | 1966.7 | 1945.4 | 1877.1 | 1765.8 | 1673.9 | 1676.6 | 1840.7 | 1939.9 | 1935.7 |
| 32.5° | 2085.8 | 2075.3 | 2071.0 | 2018.3 | 1889.9 | 1767.7 | 1737.1 | 1912.0 | 2058.6 | 2054.7 |
| 35°   | 2166.4 | 2152.9 | 2157.9 | 2131.1 | 2025.3 | 1872.8 | 1811.2 | 1997.0 | 2202.9 | 2202.5 |
| 37.5° | 2246.3 | 2234.3 | 2238.6 | 2220.7 | 2150.5 | 2006.3 | 1901.5 | 2100.9 | 2381.7 | 2390.2 |
| 40°   | 2319.2 | 2306.4 | 2323.5 | 2306.8 | 2247.9 | 2148.2 | 2004.3 | 2218.4 | 2588.8 | 2605.1 |
| 42.5° | 2363.1 | 2353.0 | 2381.3 | 2381.7 | 2332.4 | 2268.1 | 2117.2 | 2347.9 | 2828.5 | 2864.9 |
| 45°   | 2378.2 | 2374.7 | 2417.4 | 2426.3 | 2407.3 | 2337.5 | 2218.8 | 2489.1 | 3086.8 | 3151.9 |
| 47.5° | 2361.9 | 2355.3 | 2414.3 | 2447.2 | 2462.4 | 2370.1 | 2303.0 | 2641.9 | 3350.5 | 3445.9 |
| 50°   | 2279.7 | 2266.9 | 2354.5 | 2424.0 | 2477.9 | 2391.4 | 2387.9 | 2818.4 | 3650.3 | 3754.6 |
| 52.5° | 2131.9 | 2122.2 | 2221.9 | 2342.5 | 2443.7 | 2401.9 | 2483.3 | 3011.1 | 3935.0 | 4069.9 |
| 55°   | 1943.0 | 1930.2 | 2040.0 | 2197.5 | 2358.8 | 2398.4 | 2578.7 | 3226.8 | 4270.8 | 4407.7 |
| 57.5° | 1643.6 | 1618.0 | 1756.9 | 1943.0 | 2220.3 | 2394.1 | 2678.0 | 3441.2 | 4612.1 | 4776.2 |
| 60°   | 1206.9 | 1168.9 | 1339.2 | 1559.9 | 1949.6 | 2352.6 | 2800.9 | 3681.7 | 5021.7 | 5169.4 |
| 62.5° | 702.8  | 680.6  | 792.0  | 997.9  | 1469.5 | 2108.3 | 2870.0 | 3961.3 | 5424.2 | 5579.4 |
| 65°   | 545.7  | 539.5  | 549.2  | 565.1  | 817.9  | 1578.5 | 2657.0 | 4234.0 | 5936.2 | 6044.8 |
| 67.5° | 499.1  | 494.5  | 498.8  | 468.9  | 415.0  | 879.2  | 2102.1 | 4303.0 | 6484.6 | 6550.5 |
| 70°   | 443.7  | 438.3  | 452.2  | 426.6  | 326.6  | 399.9  | 1358.2 | 4052.5 | 6920.9 | 7044.6 |
| 72.5° | 361.5  | 355.3  | 387.8  | 376.2  | 275.0  | 256.7  | 682.2  | 3457.2 | 6875.1 | 7131.9 |
| 75°   | 277.7  | 274.2  | 313.0  | 322.7  | 224.2  | 202.1  | 327.3  | 2569.8 | 6050.2 | 6308.9 |
| 77.5° | 215.6  | 212.9  | 232.7  | 268.0  | 180.7  | 156.7  | 201.3  | 1630.1 | 4559.4 | 4604.8 |
| 80°   | 161.7  | 154.0  | 172.2  | 207.5  | 140.8  | 114.4  | 136.5  | 950.6  | 2882.0 | 2612.4 |
| 82.5° | 101.2  | 97.3   | 112.5  | 138.5  | 99.3   | 78.7   | 88.8   | 525.1  | 1155.0 | 680.3  |
| 85°   | 57.8   | 56.2   | 61.3   | 79.1   | 53.9   | 45.4   | 50.8   | 231.9  | 211.0  | 145.0  |
| 87.5° | 23.3   | 22.5   | 27.9   | 35.3   | 19.8   | 16.7   | 17.8   | 55.8   | 46.5   | 43.0   |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1471.8 | 0°    | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 | 1471.8 |
| 1477.6 | 2.5°  | 1476.1 | 1476.1 | 1470.7 | 1462.1 | 1452.4 | 1446.2 | 1436.1 | 1433.4 | 1423.0 | 1419.9 |
| 1490.8 | 5°    | 1493.9 | 1490.8 | 1474.2 | 1450.1 | 1417.1 | 1386.9 | 1353.5 | 1332.6 | 1303.1 | 1292.7 |
| 1516.8 | 7.5°  | 1516.4 | 1507.9 | 1479.2 | 1426.5 | 1357.4 | 1289.5 | 1219.0 | 1165.4 | 1114.2 | 1096.0 |
| 1538.1 | 10°   | 1537.0 | 1525.0 | 1476.1 | 1383.8 | 1264.3 | 1146.8 | 1034.4 | 955.6  | 895.9  | 871.5  |
| 1561.8 | 12.5° | 1557.5 | 1535.4 | 1455.5 | 1312.8 | 1132.1 | 972.7  | 852.8  | 791.6  | 754.7  | 725.2  |
| 1581.2 | 15°   | 1576.9 | 1545.9 | 1423.7 | 1217.8 | 987.0  | 825.3  | 736.9  | 688.0  | 658.5  | 639.2  |
| 1609.5 | 17.5° | 1599.4 | 1554.8 | 1376.0 | 1097.2 | 849.0  | 723.3  | 651.2  | 621.7  | 615.9  | 613.6  |
| 1648.3 | 20°   | 1630.8 | 1563.0 | 1313.2 | 962.2  | 747.4  | 641.9  | 604.6  | 601.9  | 601.5  | 600.4  |
| 1694.8 | 22.5° | 1664.6 | 1572.7 | 1230.2 | 839.7  | 660.9  | 591.1  | 584.5  | 579.0  | 575.5  | 575.2  |
| 1751.1 | 25°   | 1704.5 | 1575.8 | 1126.3 | 739.2  | 587.2  | 567.0  | 559.3  | 551.1  | 548.8  | 548.8  |
| 1815.1 | 27.5° | 1743.3 | 1565.3 | 1005.3 | 651.9  | 545.7  | 544.9  | 534.8  | 532.1  | 531.7  | 532.9  |
| 1888.0 | 30°   | 1782.1 | 1545.5 | 885.0  | 571.3  | 521.6  | 521.6  | 518.1  | 520.1  | 521.6  | 525.5  |
| 1988.0 | 32.5° | 1834.5 | 1524.6 | 784.6  | 511.6  | 500.7  | 496.8  | 500.3  | 504.2  | 505.7  | 510.8  |
| 2119.5 | 35°   | 1911.2 | 1509.8 | 704.7  | 479.0  | 479.0  | 473.9  | 475.9  | 475.1  | 471.6  | 469.3  |
| 2278.5 | 37.5° | 2012.9 | 1509.1 | 638.8  | 463.8  | 460.7  | 460.0  | 460.4  | 455.3  | 441.7  | 425.5  |
| 2470.9 | 40°   | 2135.0 | 1530.0 | 588.0  | 453.4  | 451.1  | 455.7  | 453.4  | 439.8  | 402.6  | 374.3  |
| 2707.5 | 42.5° | 2299.1 | 1589.7 | 555.4  | 440.6  | 447.6  | 453.4  | 444.1  | 397.1  | 371.9  | 352.9  |
| 2977.0 | 45°   | 2492.2 | 1686.7 | 538.7  | 427.0  | 441.0  | 447.9  | 403.0  | 382.4  | 362.2  | 339.4  |
| 3271.0 | 47.5° | 2711.0 | 1808.9 | 534.8  | 414.2  | 426.2  | 430.5  | 385.5  | 376.2  | 353.3  | 328.5  |
| 3566.5 | 50°   | 2949.1 | 1953.5 | 545.3  | 399.1  | 404.9  | 390.2  | 379.7  | 371.2  | 347.5  | 323.1  |
| 3869.4 | 52.5° | 3195.4 | 2112.9 | 566.2  | 378.5  | 383.6  | 367.3  | 377.4  | 370.0  | 344.0  | 311.0  |
| 4182.4 | 55°   | 3437.4 | 2273.5 | 586.4  | 354.5  | 361.8  | 346.7  | 370.8  | 365.3  | 328.1  | 290.9  |
| 4516.3 | 57.5° | 3683.3 | 2433.3 | 606.2  | 333.1  | 340.9  | 326.9  | 360.3  | 352.9  | 310.3  | 272.3  |
| 4880.9 | 60°   | 3938.8 | 2588.4 | 615.5  | 312.6  | 318.0  | 308.7  | 344.4  | 331.6  | 290.1  | 253.3  |
| 5239.2 | 62.5° | 4178.1 | 2717.6 | 600.4  | 292.0  | 295.5  | 291.7  | 323.5  | 306.4  | 269.9  | 231.9  |
| 5612.7 | 65°   | 4418.2 | 2794.3 | 553.8  | 271.9  | 272.6  | 270.7  | 294.0  | 279.2  | 246.3  | 213.3  |
| 5939.7 | 67.5° | 4635.8 | 2837.4 | 479.8  | 250.2  | 248.2  | 247.4  | 266.4  | 249.8  | 223.4  | 194.7  |
| 6188.3 | 70°   | 4681.9 | 2728.0 | 366.5  | 224.6  | 224.6  | 222.6  | 236.2  | 219.1  | 198.2  | 174.9  |
| 6010.3 | 72.5° | 4276.3 | 2294.8 | 260.2  | 195.5  | 198.6  | 194.7  | 205.9  | 191.6  | 172.6  | 157.1  |
| 5179.9 | 75°   | 3448.2 | 1682.8 | 189.3  | 165.6  | 171.0  | 164.4  | 174.9  | 164.8  | 148.5  | 148.2  |
| 3569.6 | 77.5° | 2369.3 | 1040.6 | 137.3  | 136.5  | 140.4  | 131.9  | 143.9  | 138.5  | 123.7  | 117.1  |
| 1553.7 | 80°   | 1011.1 | 415.0  | 100.1  | 105.5  | 105.5  | 97.7   | 111.7  | 113.2  | 100.4  | 97.3   |
| 299.8  | 82.5° | 201.3  | 117.9  | 70.2   | 72.5   | 68.3   | 65.9   | 79.1   | 87.7   | 121.0  | 134.6  |
| 90.4   | 85°   | 60.5   | 43.4   | 42.3   | 39.6   | 34.9   | 35.3   | 46.5   | 88.0   | 108.6  | 62.1   |
| 29.9   | 87.5° | 16.7   | 10.9   | 11.2   | 8.9    | 7.4    | 9.7    | 15.9   | 66.7   | 36.5   | 15.5   |
| 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°   |
|--------|
| 1471.8 |
| 1424.9 |
| 1300.4 |
| 1098.3 |
| 876.9  |
| 734.9  |
| 642.6  |
| 615.1  |
| 604.2  |
| 579.4  |
| 551.1  |
| 536.0  |
| 528.2  |
| 515.0  |
| 474.7  |
| 425.8  |
| 373.5  |
| 352.2  |
| 337.8  |
| 326.6  |
| 320.4  |
| 308.7  |
| 288.9  |
| 271.5  |
| 252.1  |
| 231.5  |
| 211.0  |
| 192.4  |
| 174.1  |
| 152.4  |
| 133.4  |
| 109.8  |
| 97.3   |
| 135.0  |
| 53.5   |
| 13.2   |
| 0.0    |