

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: P939592

Luminaire Tested: **GLAN-SB2B-735-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939592  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 11163 lumens  
Efficiency: N/A  
Efficacy: 151.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

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



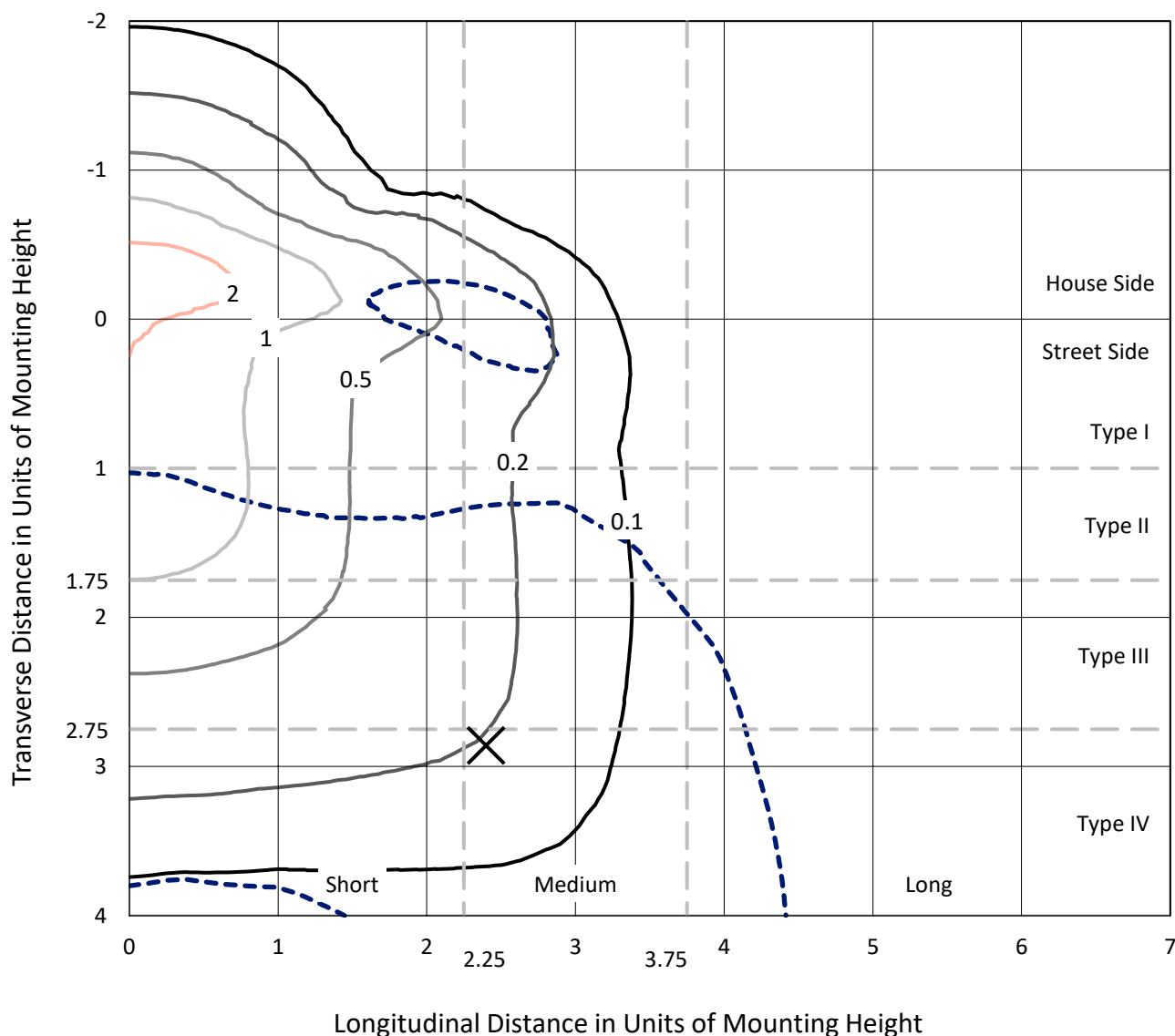
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

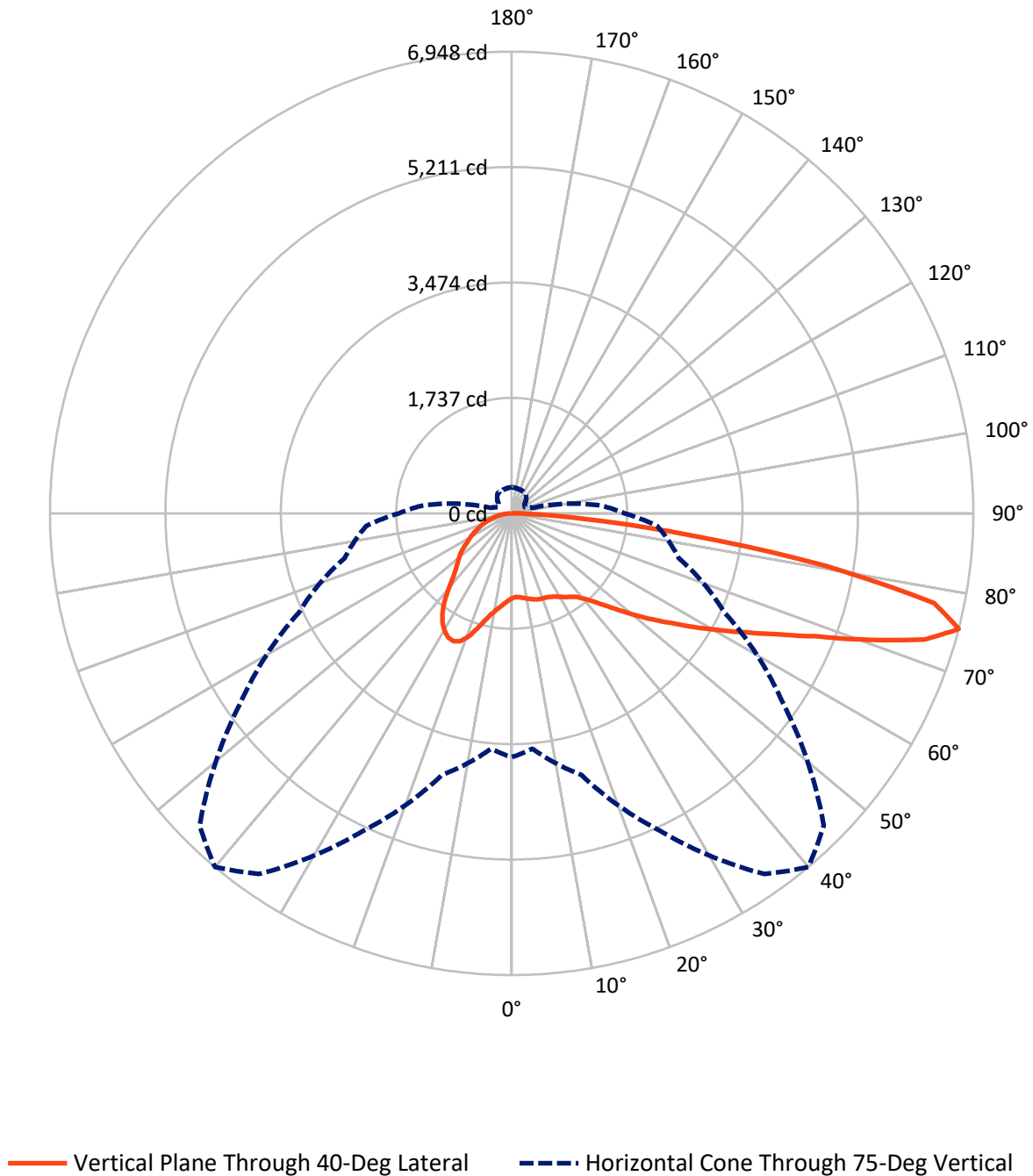
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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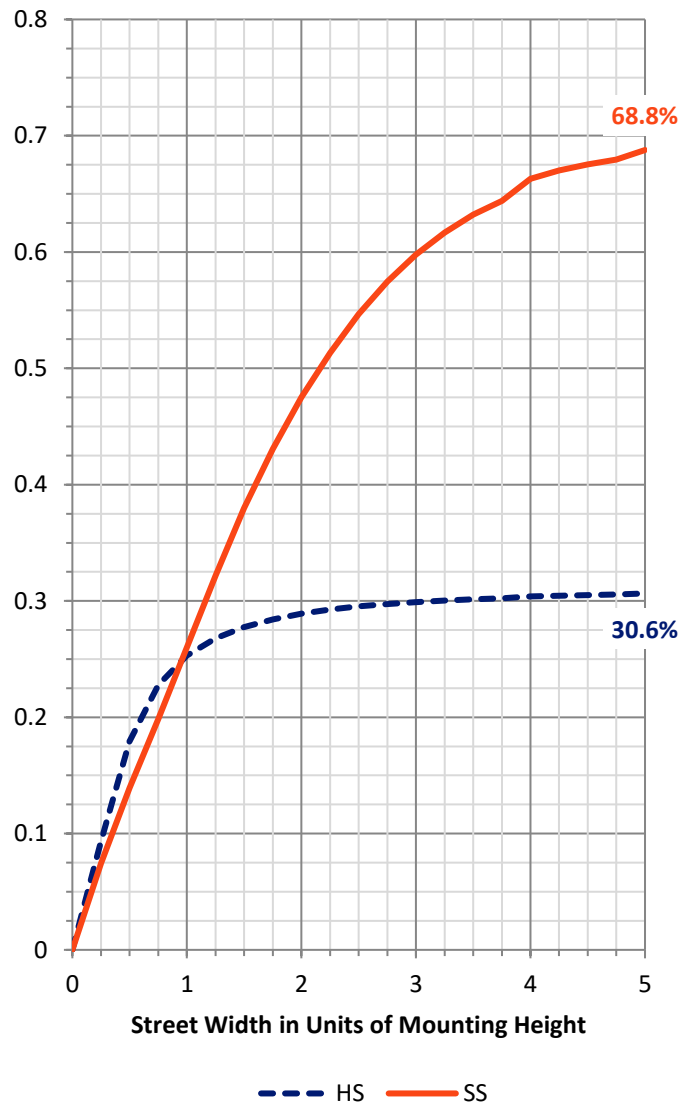
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3458.7   | 0.0    | 3458.7  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 7704.3   | 0.0    | 7704.3  |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 11163.0  | 0.0    | 11163.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 127.4   | 1.1       |
| 10°-20°   | 427.8   | 3.8       |
| 20°-30°   | 781.1   | 7.0       |
| 30°-40°   | 1107.9  | 9.9       |
| 40°-50°   | 1496.0  | 13.4      |
| 50°-60°   | 2012.5  | 18.0      |
| 60°-70°   | 2554.3  | 22.9      |
| 70°-80°   | 2318.2  | 20.8      |
| 80°-90°   | 337.9   | 3.0       |
| 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°    | 11163.0 | 100.0     |
| 0°-180°   | 11163.0 | 100.0     |

**Coefficient of Utilization**



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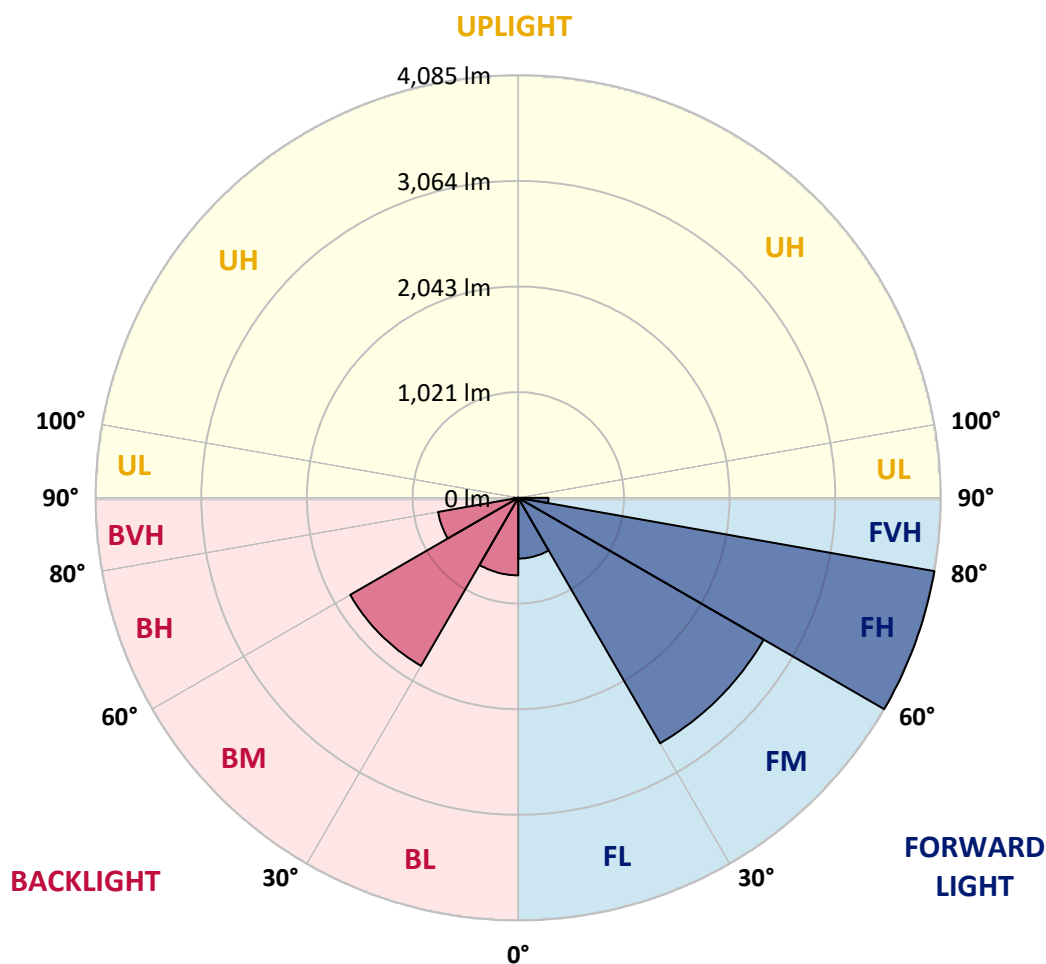
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 587.2  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 2740.3 | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 4085.5 | 36.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 291.4  | 2.6       |                         |      | G3/500  |
| BL   | (0°-30°)    | 749.2  | 6.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1876.0 | 16.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 786.9  | 7.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 46.5   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 |
| 2.5°  | 1257.0 | 1264.1 | 1262.3 | 1259.9 | 1259.9 | 1260.5 | 1259.9 | 1264.1 | 1268.2 | 1272.4 |
| 5°    | 1270.0 | 1277.1 | 1273.5 | 1270.6 | 1268.2 | 1267.6 | 1265.8 | 1265.3 | 1267.6 | 1273.0 |
| 7.5°  | 1295.5 | 1302.6 | 1297.2 | 1291.9 | 1287.2 | 1284.8 | 1282.4 | 1278.9 | 1277.1 | 1280.1 |
| 10°   | 1323.9 | 1331.0 | 1324.5 | 1315.0 | 1307.3 | 1304.3 | 1302.0 | 1298.4 | 1296.0 | 1297.8 |
| 12.5° | 1352.3 | 1359.4 | 1350.5 | 1337.5 | 1327.4 | 1325.6 | 1322.7 | 1321.5 | 1320.9 | 1320.3 |
| 15°   | 1378.9 | 1384.9 | 1373.6 | 1358.2 | 1347.6 | 1344.6 | 1341.6 | 1343.4 | 1346.4 | 1349.9 |
| 17.5° | 1399.7 | 1405.6 | 1389.0 | 1368.9 | 1358.8 | 1357.6 | 1355.8 | 1361.8 | 1370.1 | 1378.9 |
| 20°   | 1418.6 | 1424.5 | 1403.2 | 1376.0 | 1364.1 | 1364.1 | 1364.7 | 1377.2 | 1389.0 | 1402.0 |
| 22.5° | 1445.2 | 1450.0 | 1423.9 | 1386.6 | 1369.5 | 1370.6 | 1375.4 | 1387.8 | 1402.6 | 1420.4 |
| 25°   | 1484.9 | 1488.5 | 1456.5 | 1406.8 | 1387.2 | 1390.8 | 1394.9 | 1400.8 | 1415.0 | 1435.8 |
| 27.5° | 1548.9 | 1551.8 | 1509.8 | 1442.3 | 1412.7 | 1418.6 | 1424.5 | 1420.4 | 1426.9 | 1444.7 |
| 30°   | 1638.9 | 1640.6 | 1587.3 | 1497.9 | 1455.9 | 1458.9 | 1460.0 | 1442.9 | 1430.4 | 1444.7 |
| 32.5° | 1745.4 | 1744.8 | 1681.5 | 1565.4 | 1505.0 | 1502.1 | 1492.0 | 1458.3 | 1429.3 | 1441.7 |
| 35°   | 1910.6 | 1904.1 | 1822.4 | 1660.2 | 1560.7 | 1542.3 | 1518.7 | 1475.4 | 1435.2 | 1438.7 |
| 37.5° | 2184.1 | 2164.0 | 2050.9 | 1815.3 | 1643.6 | 1596.8 | 1561.9 | 1503.3 | 1448.2 | 1437.5 |
| 40°   | 2492.6 | 2467.2 | 2342.8 | 2027.8 | 1767.9 | 1692.7 | 1636.5 | 1542.9 | 1469.5 | 1442.9 |
| 42.5° | 2858.5 | 2822.4 | 2688.6 | 2278.3 | 1925.4 | 1816.5 | 1731.8 | 1593.3 | 1500.9 | 1460.0 |
| 45°   | 3307.9 | 3259.9 | 3070.5 | 2560.7 | 2123.8 | 1978.7 | 1865.6 | 1669.6 | 1548.9 | 1493.2 |
| 47.5° | 3762.0 | 3773.9 | 3504.5 | 2884.0 | 2361.8 | 2178.8 | 2033.2 | 1784.5 | 1618.7 | 1546.5 |
| 50°   | 4244.6 | 4252.8 | 3936.1 | 3242.2 | 2631.8 | 2405.0 | 2221.4 | 1913.0 | 1715.8 | 1622.3 |
| 52.5° | 4621.1 | 4622.3 | 4328.0 | 3617.0 | 2913.0 | 2653.7 | 2424.5 | 2059.8 | 1828.3 | 1722.9 |
| 55°   | 4856.8 | 4853.8 | 4602.8 | 3971.6 | 3236.3 | 2914.8 | 2649.5 | 2226.8 | 1965.7 | 1841.3 |
| 57.5° | 5027.9 | 5019.0 | 4792.2 | 4276.5 | 3580.8 | 3223.2 | 2904.1 | 2416.2 | 2127.9 | 1982.3 |
| 60°   | 5093.0 | 5087.7 | 4920.7 | 4540.0 | 3943.2 | 3564.3 | 3197.8 | 2628.2 | 2312.0 | 2148.6 |
| 62.5° | 5117.9 | 5127.9 | 5046.8 | 4795.2 | 4331.0 | 3942.0 | 3520.5 | 2881.6 | 2519.3 | 2336.9 |
| 65°   | 5205.5 | 5223.8 | 5207.3 | 5129.1 | 4769.1 | 4384.3 | 3948.5 | 3183.0 | 2745.4 | 2538.8 |
| 67.5° | 5379.0 | 5397.3 | 5404.4 | 5528.8 | 5304.4 | 4935.5 | 4482.6 | 3558.3 | 3010.1 | 2748.4 |
| 70°   | 5374.8 | 5369.5 | 5495.0 | 5846.7 | 5974.6 | 5698.7 | 5202.5 | 4020.2 | 3325.7 | 2922.5 |
| 72.5° | 4892.3 | 4849.6 | 5146.3 | 5843.1 | 6532.3 | 6495.6 | 6081.7 | 4615.8 | 3598.0 | 2943.8 |
| 75°   | 3670.2 | 3556.6 | 4080.5 | 5265.9 | 6625.3 | 6947.9 | 6640.7 | 4985.2 | 3533.5 | 2601.0 |
| 77.5° | 1569.6 | 1455.3 | 2072.8 | 3898.2 | 5929.6 | 6495.0 | 6127.9 | 4349.3 | 2820.6 | 1720.0 |
| 80°   | 410.9  | 410.3  | 626.4  | 1767.3 | 4032.6 | 4796.4 | 4207.8 | 2808.8 | 1611.6 | 614.6  |
| 82.5° | 169.9  | 165.8  | 230.3  | 687.4  | 1970.4 | 2691.6 | 2196.6 | 1252.8 | 582.0  | 166.4  |
| 85°   | 63.4   | 62.8   | 111.9  | 237.4  | 695.1  | 1110.1 | 803.4  | 320.3  | 145.1  | 81.1   |
| 87.5° | 17.8   | 17.2   | 24.3   | 82.3   | 169.3  | 257.0  | 137.4  | 52.7   | 40.9   | 32.0   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1276.5 | 0°    | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 |
| 1278.9 | 2.5°  | 1280.6 | 1283.6 | 1288.9 | 1293.1 | 1298.4 | 1304.3 | 1312.6 | 1317.9 | 1323.3 | 1326.8 |
| 1281.8 | 5°    | 1286.0 | 1292.5 | 1306.1 | 1319.7 | 1335.7 | 1350.5 | 1367.7 | 1380.1 | 1390.2 | 1393.1 |
| 1292.5 | 7.5°  | 1297.8 | 1308.5 | 1331.6 | 1354.7 | 1380.1 | 1404.4 | 1429.3 | 1450.6 | 1467.7 | 1474.3 |
| 1311.4 | 10°   | 1318.5 | 1332.8 | 1365.3 | 1397.9 | 1431.6 | 1468.9 | 1500.9 | 1531.7 | 1556.0 | 1566.0 |
| 1333.9 | 12.5° | 1344.6 | 1362.4 | 1405.0 | 1450.0 | 1496.8 | 1548.3 | 1589.7 | 1627.6 | 1657.8 | 1671.4 |
| 1365.3 | 15°   | 1378.3 | 1401.4 | 1455.9 | 1516.3 | 1585.0 | 1656.6 | 1709.3 | 1751.3 | 1785.1 | 1801.7 |
| 1397.9 | 17.5° | 1415.0 | 1445.8 | 1514.5 | 1605.7 | 1704.0 | 1798.1 | 1859.7 | 1890.5 | 1925.4 | 1941.4 |
| 1428.1 | 20°   | 1450.6 | 1488.5 | 1586.7 | 1719.4 | 1850.2 | 1950.3 | 2000.0 | 2008.3 | 2010.7 | 2012.4 |
| 1456.5 | 22.5° | 1487.3 | 1538.2 | 1677.3 | 1862.7 | 2003.0 | 2072.2 | 2079.4 | 2043.8 | 1994.1 | 1971.0 |
| 1484.3 | 25°   | 1527.5 | 1595.0 | 1795.7 | 2020.7 | 2134.4 | 2142.7 | 2088.2 | 2001.8 | 1907.7 | 1864.4 |
| 1506.8 | 27.5° | 1566.6 | 1660.8 | 1937.8 | 2171.7 | 2229.1 | 2156.3 | 2039.1 | 1916.5 | 1802.9 | 1757.3 |
| 1522.8 | 30°   | 1605.7 | 1736.0 | 2094.7 | 2303.7 | 2272.4 | 2122.6 | 1961.5 | 1824.8 | 1710.5 | 1662.5 |
| 1537.0 | 32.5° | 1645.4 | 1823.6 | 2275.3 | 2399.1 | 2264.7 | 2050.9 | 1865.0 | 1721.7 | 1621.1 | 1570.8 |
| 1549.4 | 35°   | 1690.4 | 1931.3 | 2446.4 | 2451.2 | 2213.2 | 1945.5 | 1737.7 | 1598.6 | 1511.0 | 1470.7 |
| 1564.3 | 37.5° | 1749.0 | 2068.1 | 2597.4 | 2464.2 | 2123.2 | 1791.0 | 1579.6 | 1452.9 | 1380.7 | 1362.4 |
| 1586.2 | 40°   | 1821.8 | 2232.7 | 2712.9 | 2443.5 | 1989.9 | 1603.3 | 1406.8 | 1305.5 | 1264.7 | 1268.8 |
| 1615.8 | 42.5° | 1916.5 | 2416.8 | 2794.0 | 2390.2 | 1804.6 | 1409.7 | 1255.2 | 1210.2 | 1229.7 | 1246.3 |
| 1660.2 | 45°   | 2039.7 | 2608.1 | 2844.3 | 2299.6 | 1595.0 | 1245.7 | 1165.8 | 1176.4 | 1191.2 | 1193.0 |
| 1731.8 | 47.5° | 2197.2 | 2801.7 | 2877.5 | 2162.8 | 1381.3 | 1130.3 | 1108.9 | 1111.3 | 1108.4 | 1095.9 |
| 1839.0 | 50°   | 2393.7 | 2990.0 | 2907.1 | 1981.7 | 1199.5 | 1058.0 | 1029.6 | 1021.3 | 980.5  | 940.2  |
| 1981.7 | 52.5° | 2617.5 | 3162.8 | 2919.5 | 1756.7 | 1058.0 | 997.6  | 951.5  | 899.4  | 823.0  | 810.5  |
| 2161.1 | 55°   | 2866.2 | 3322.7 | 2887.5 | 1480.2 | 939.0  | 920.1  | 850.2  | 787.5  | 779.2  | 768.5  |
| 2397.3 | 57.5° | 3163.4 | 3495.0 | 2822.4 | 1171.7 | 817.1  | 829.5  | 761.4  | 768.5  | 753.7  | 737.1  |
| 2701.0 | 60°   | 3488.5 | 3673.2 | 2708.1 | 890.5  | 690.9  | 716.4  | 738.3  | 737.7  | 733.6  | 720.0  |
| 3021.3 | 62.5° | 3781.0 | 3790.4 | 2483.1 | 682.1  | 580.2  | 628.8  | 688.6  | 688.0  | 684.4  | 676.7  |
| 3355.9 | 65°   | 3955.0 | 3772.7 | 2107.8 | 537.0  | 489.1  | 556.5  | 621.1  | 625.8  | 626.4  | 625.8  |
| 3607.5 | 67.5° | 3924.2 | 3564.9 | 1592.7 | 427.5  | 413.9  | 483.1  | 554.2  | 560.7  | 565.4  | 566.6  |
| 3639.5 | 70°   | 3576.1 | 3108.4 | 1038.5 | 341.0  | 347.0  | 418.6  | 490.8  | 497.3  | 501.5  | 506.2  |
| 3158.1 | 72.5° | 2787.5 | 2285.4 | 594.4  | 275.9  | 288.3  | 362.9  | 428.1  | 435.8  | 438.1  | 447.0  |
| 2197.8 | 75°   | 1698.7 | 1344.0 | 320.9  | 217.3  | 236.8  | 310.2  | 365.9  | 374.8  | 378.9  | 389.6  |
| 1079.3 | 77.5° | 807.6  | 582.0  | 182.9  | 169.3  | 190.6  | 253.4  | 309.1  | 319.1  | 307.9  | 313.8  |
| 297.8  | 80°   | 272.9  | 216.1  | 115.5  | 129.1  | 145.6  | 197.8  | 247.5  | 257.6  | 233.9  | 232.7  |
| 98.9   | 82.5° | 95.3   | 87.6   | 73.4   | 85.9   | 94.1   | 141.5  | 187.1  | 200.1  | 174.1  | 173.5  |
| 44.4   | 85°   | 37.3   | 35.5   | 40.9   | 46.8   | 56.2   | 87.0   | 123.2  | 129.7  | 107.2  | 86.4   |
| 13.0   | 87.5° | 7.7    | 8.3    | 10.1   | 10.7   | 17.2   | 30.2   | 44.4   | 54.5   | 43.2   | 36.7   |
| 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°   |
|--------|
| 1276.5 |
| 1324.5 |
| 1394.3 |
| 1474.8 |
| 1566.6 |
| 1671.4 |
| 1800.5 |
| 1940.8 |
| 2017.2 |
| 1977.5 |
| 1870.9 |
| 1762.6 |
| 1667.9 |
| 1577.3 |
| 1479.6 |
| 1375.4 |
| 1283.0 |
| 1261.7 |
| 1204.9 |
| 1105.4 |
| 945.5  |
| 814.7  |
| 770.3  |
| 734.2  |
| 715.2  |
| 673.8  |
| 625.8  |
| 567.8  |
| 508.6  |
| 450.6  |
| 390.8  |
| 309.1  |
| 230.3  |
| 165.2  |
| 85.3   |
| 33.7   |
| 0.0    |