

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: P949629

Luminaire Tested: **GLAN-SB4B-827-U-SLR-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P949629  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-827-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 14977 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 147  
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



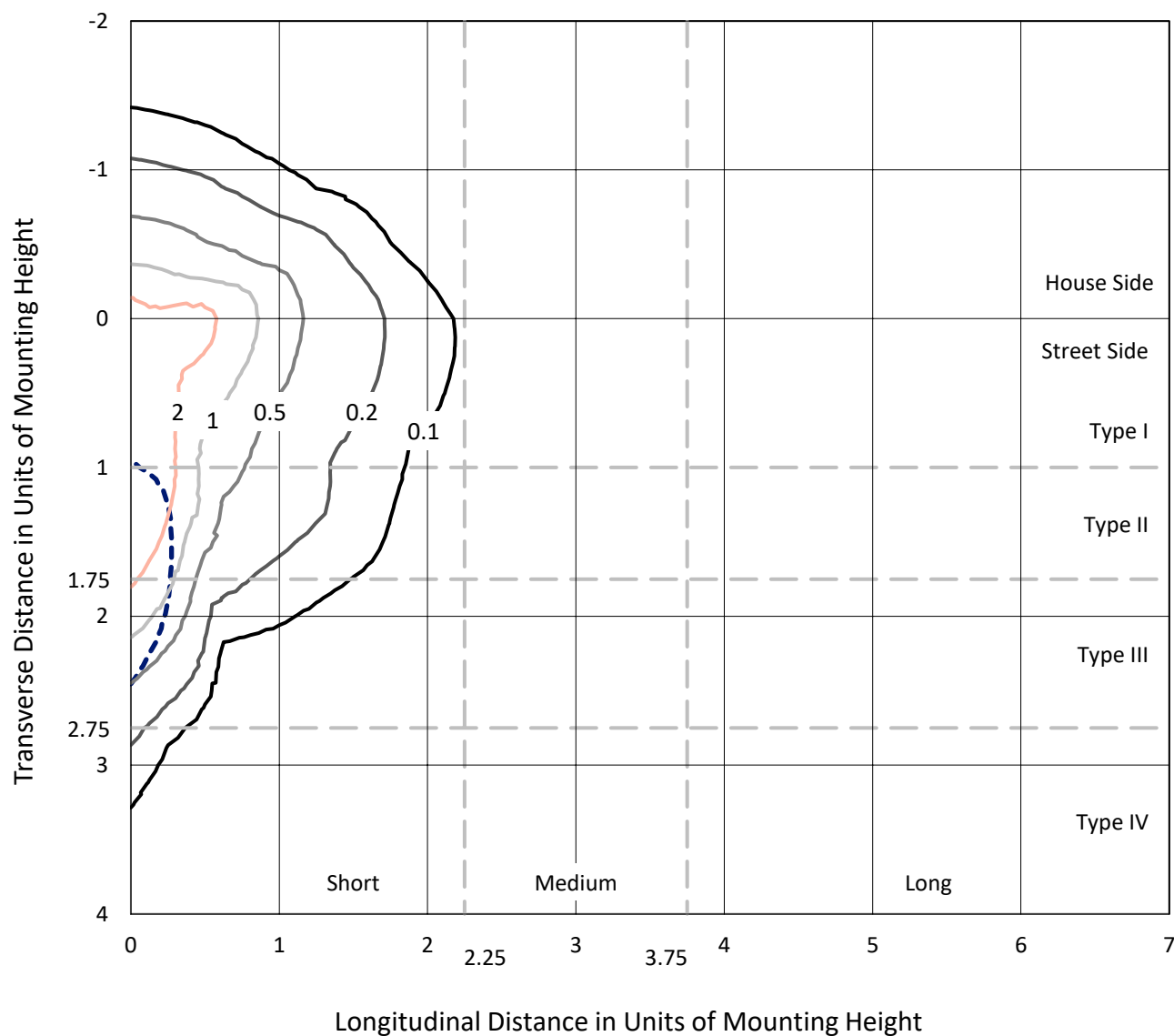
REPORT NUMBER: P949629

CATALOG NUMBER: GLAN-SB4B-827-U-SLR-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

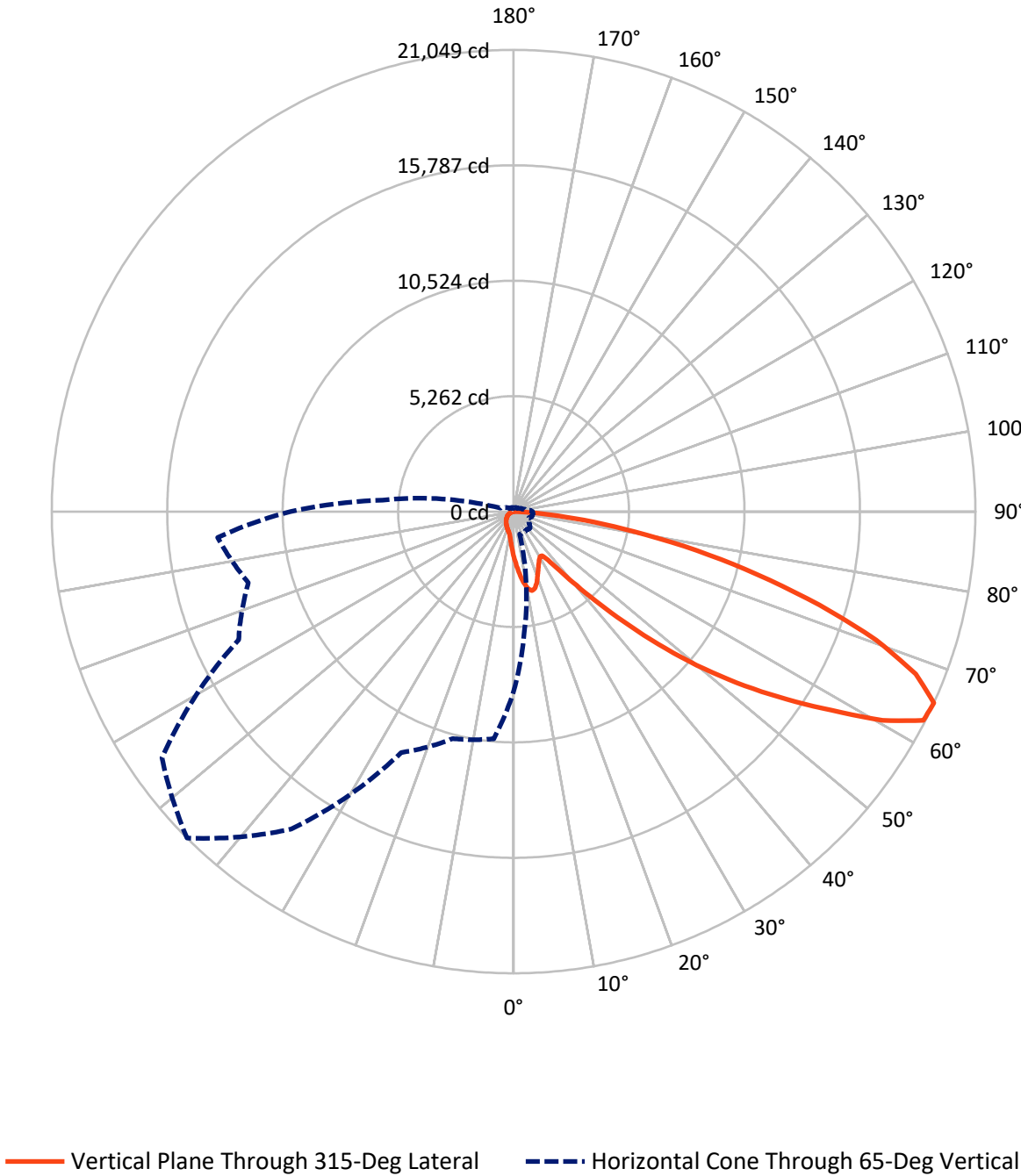


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



REPORT NUMBER: P949629

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2097.4   | 0.0    | 2097.4  |
|                    | % Fixture | 14.0     | 0.0    | 14.0    |
| <b>Street Side</b> | Lumens    | 12879.6  | 0.0    | 12879.6 |
|                    | % Fixture | 86.0     | 0.0    | 86.0    |
| <b>Total</b>       | Lumens    | 14977.0  | 0.0    | 14977.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 204.2   | 1.4       |
| 10°-20°   | 612.1   | 4.1       |
| 20°-30°   | 901.7   | 6.0       |
| 30°-40°   | 1158.4  | 7.7       |
| 40°-50°   | 1873.5  | 12.5      |
| 50°-60°   | 3285.4  | 21.9      |
| 60°-70°   | 4110.9  | 27.4      |
| 70°-80°   | 2402.2  | 16.0      |
| 80°-90°   | 428.6   | 2.9       |
| 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°    | 14977.0 | 100.0     |
| 0°-180°   | 14977.0 | 100.0     |

**Coefficient of Utilization**



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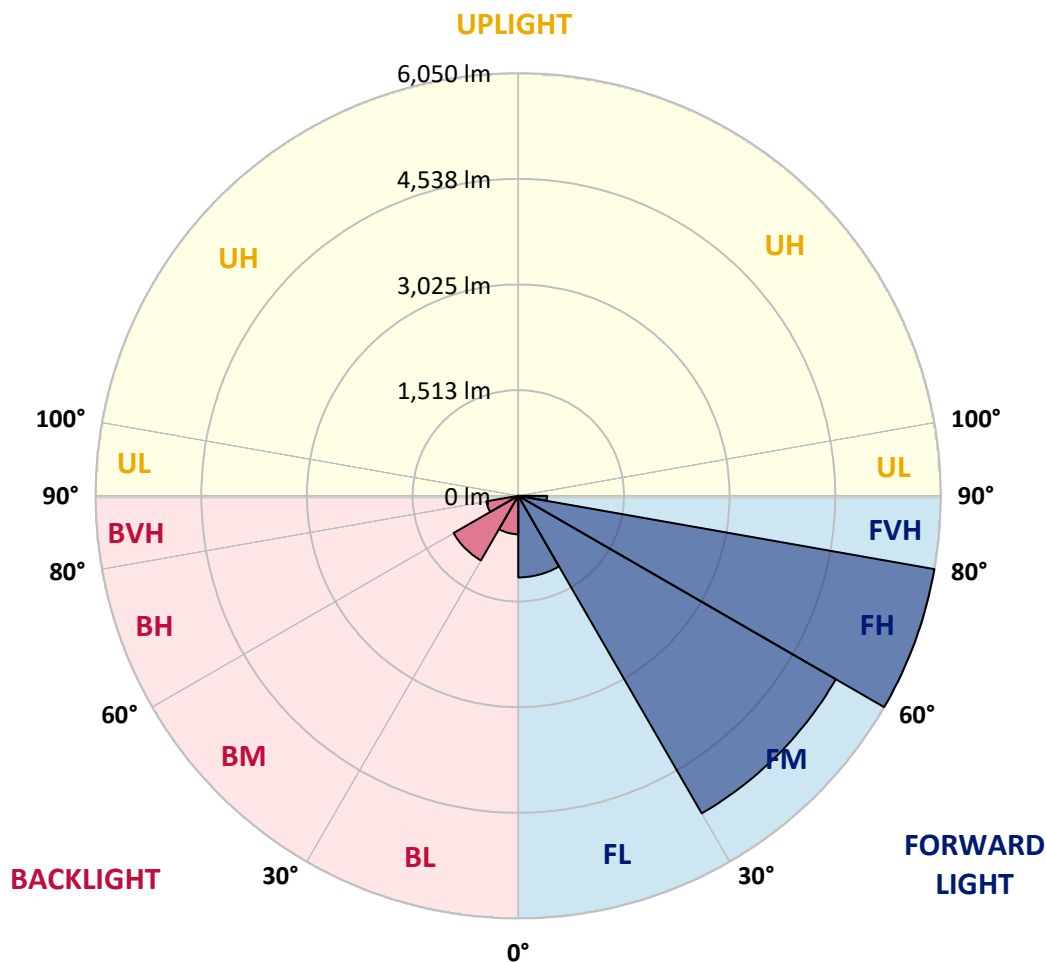
CATALOG NUMBER: GLAN-SB4B-827-U-SLR-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1168.2 | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 5249.3 | 35.0      |                         |      |         |
| FH   | (60°-80°)   | 6050.0 | 40.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 412.1  | 2.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 549.8  | 3.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1068.1 | 7.1       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 463.1  | 3.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 16.5   | 0.1       |                         |      | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2073.8  | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 |
| 2.5°  | 2343.1  | 2302.9 | 2279.2 | 2220.3 | 2161.5 | 2114.1 | 2050.1 | 2007.8 | 1957.2 | 1908.8 |
| 5°    | 2611.4  | 2546.4 | 2468.0 | 2360.7 | 2262.6 | 2162.6 | 2065.6 | 1969.6 | 1868.5 | 1775.7 |
| 7.5°  | 2838.4  | 2744.5 | 2606.2 | 2463.8 | 2339.0 | 2218.3 | 2104.8 | 1977.9 | 1855.1 | 1709.6 |
| 10°   | 3011.7  | 2892.0 | 2710.4 | 2523.7 | 2380.3 | 2258.5 | 2148.1 | 2040.8 | 1917.0 | 1741.6 |
| 12.5° | 3116.9  | 2989.0 | 2773.4 | 2554.6 | 2390.6 | 2254.4 | 2168.8 | 2121.3 | 2072.8 | 1898.4 |
| 15°   | 3194.3  | 3056.1 | 2817.7 | 2576.3 | 2366.9 | 2199.7 | 2136.8 | 2184.2 | 2239.9 | 2128.5 |
| 17.5° | 3274.8  | 3129.3 | 2875.5 | 2585.6 | 2302.9 | 2093.4 | 2066.6 | 2189.4 | 2318.4 | 2313.2 |
| 20°   | 3351.2  | 3206.7 | 2926.1 | 2579.4 | 2199.7 | 1964.5 | 1988.2 | 2145.0 | 2294.6 | 2357.6 |
| 22.5° | 3438.9  | 3286.2 | 2974.6 | 2555.7 | 2065.6 | 1843.8 | 1918.0 | 2074.9 | 2205.9 | 2280.2 |
| 25°   | 3546.2  | 3386.2 | 3042.7 | 2520.6 | 1921.1 | 1743.7 | 1846.8 | 1993.4 | 2099.6 | 2151.2 |
| 27.5° | 3661.7  | 3505.9 | 3133.5 | 2502.0 | 1804.5 | 1672.5 | 1766.4 | 1896.4 | 1991.3 | 2027.4 |
| 30°   | 3805.1  | 3645.2 | 3240.8 | 2481.4 | 1728.2 | 1631.2 | 1682.8 | 1783.9 | 1876.8 | 1912.9 |
| 32.5° | 3962.0  | 3800.0 | 3343.9 | 2431.9 | 1681.8 | 1600.3 | 1601.3 | 1665.3 | 1749.9 | 1793.2 |
| 35°   | 4158.0  | 3985.7 | 3454.3 | 2323.5 | 1644.6 | 1564.1 | 1521.8 | 1552.8 | 1623.0 | 1674.5 |
| 37.5° | 4437.6  | 4229.2 | 3589.5 | 2168.8 | 1589.9 | 1508.4 | 1438.3 | 1445.5 | 1499.1 | 1555.9 |
| 40°   | 4823.5  | 4556.2 | 3748.4 | 2007.8 | 1511.5 | 1430.0 | 1346.4 | 1343.4 | 1382.6 | 1438.3 |
| 42.5° | 5345.5  | 4988.6 | 3939.3 | 1854.1 | 1436.2 | 1335.1 | 1249.5 | 1244.3 | 1275.3 | 1323.7 |
| 45°   | 6034.8  | 5541.6 | 4173.5 | 1722.0 | 1377.4 | 1242.2 | 1157.6 | 1155.6 | 1181.4 | 1223.7 |
| 47.5° | 6916.9  | 6310.2 | 4407.7 | 1632.2 | 1346.4 | 1169.0 | 1082.3 | 1086.4 | 1109.1 | 1147.3 |
| 50°   | 8059.1  | 7312.1 | 4478.9 | 1586.8 | 1346.4 | 1129.8 | 1015.3 | 1035.9 | 1054.5 | 1083.3 |
| 52.5° | 9428.2  | 8273.7 | 4243.6 | 1545.6 | 1354.7 | 1134.9 | 958.5  | 1002.9 | 1016.3 | 1041.0 |
| 55°   | 10697.3 | 8745.2 | 3648.3 | 1488.8 | 1356.8 | 1166.9 | 910.0  | 976.0  | 1000.8 | 1010.1 |
| 57.5° | 11434.0 | 8583.2 | 2949.8 | 1392.9 | 1348.5 | 1188.6 | 879.1  | 943.0  | 990.5  | 996.7  |
| 60°   | 11293.6 | 8014.7 | 2171.9 | 1319.6 | 1287.6 | 1180.3 | 869.8  | 892.5  | 967.8  | 977.1  |
| 62.5° | 10212.3 | 7061.4 | 1507.4 | 1262.9 | 1153.5 | 1144.2 | 866.7  | 813.0  | 918.3  | 941.0  |
| 65°   | 8208.7  | 5559.1 | 1064.8 | 1087.5 | 1011.1 | 1065.8 | 850.2  | 730.5  | 858.4  | 889.4  |
| 67.5° | 5955.3  | 3761.8 | 768.7  | 881.1  | 916.2  | 938.9  | 813.0  | 670.6  | 790.3  | 831.6  |
| 70°   | 3821.6  | 2031.5 | 539.6  | 581.9  | 771.8  | 797.5  | 749.1  | 617.0  | 721.2  | 768.7  |
| 72.5° | 2716.6  | 1199.9 | 387.9  | 407.5  | 620.1  | 664.5  | 659.3  | 557.1  | 640.7  | 698.5  |
| 75°   | 1874.7  | 661.4  | 262.1  | 291.0  | 449.8  | 539.6  | 508.7  | 478.7  | 542.7  | 601.5  |
| 77.5° | 1175.2  | 296.1  | 156.8  | 202.2  | 295.1  | 424.1  | 348.7  | 370.4  | 423.0  | 477.7  |
| 80°   | 654.1   | 114.5  | 87.7   | 134.1  | 161.0  | 308.5  | 192.9  | 238.3  | 311.6  | 350.8  |
| 82.5° | 142.4   | 14.4   | 39.2   | 57.8   | 62.9   | 179.5  | 102.1  | 138.3  | 196.0  | 192.9  |
| 85°   | 0.0     | 0.0    | 7.2    | 8.3    | 4.1    | 77.4   | 37.1   | 45.4   | 64.0   | 59.8   |
| 87.5° | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.1    |
| 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):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2073.8 | 0°    | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 |
| 1865.4 | 2.5°  | 1857.2 | 1806.6 | 1769.5 | 1750.9 | 1735.4 | 1749.9 | 1758.1 | 1758.1 | 1793.2 | 1813.8 |
| 1718.9 | 5°    | 1682.8 | 1592.0 | 1522.9 | 1476.4 | 1448.6 | 1457.9 | 1468.2 | 1479.5 | 1523.9 | 1553.8 |
| 1632.2 | 7.5°  | 1562.1 | 1422.8 | 1317.6 | 1252.6 | 1218.5 | 1223.7 | 1230.9 | 1240.2 | 1283.5 | 1313.4 |
| 1644.6 | 10°   | 1539.4 | 1339.2 | 1190.6 | 1105.0 | 1063.7 | 1056.5 | 1052.4 | 1049.3 | 1075.1 | 1097.8 |
| 1784.9 | 12.5° | 1632.2 | 1343.4 | 1136.0 | 1031.8 | 981.2  | 959.5  | 934.8  | 915.2  | 919.3  | 933.7  |
| 1997.5 | 15°   | 1798.4 | 1396.0 | 1118.4 | 993.6  | 930.6  | 894.5  | 865.6  | 841.9  | 836.8  | 841.9  |
| 2183.2 | 17.5° | 1988.2 | 1467.2 | 1116.4 | 960.6  | 882.2  | 845.0  | 821.3  | 799.6  | 792.4  | 793.4  |
| 2287.4 | 20°   | 2114.1 | 1523.9 | 1110.2 | 923.4  | 835.7  | 802.7  | 782.1  | 760.4  | 753.2  | 755.2  |
| 2258.5 | 22.5° | 2126.5 | 1553.8 | 1100.9 | 882.2  | 789.3  | 761.4  | 740.8  | 721.2  | 720.2  | 720.2  |
| 2150.2 | 25°   | 2059.4 | 1553.8 | 1081.3 | 845.0  | 744.9  | 720.2  | 701.6  | 677.9  | 682.0  | 684.1  |
| 2027.4 | 27.5° | 1955.2 | 1516.7 | 1044.1 | 815.1  | 706.8  | 681.0  | 662.4  | 640.7  | 645.9  | 649.0  |
| 1912.9 | 30°   | 1852.0 | 1469.2 | 999.8  | 781.0  | 670.6  | 640.7  | 627.3  | 608.7  | 610.8  | 614.9  |
| 1799.4 | 32.5° | 1756.1 | 1418.7 | 947.2  | 753.2  | 634.5  | 604.6  | 594.3  | 573.7  | 576.8  | 580.9  |
| 1688.0 | 35°   | 1661.1 | 1363.0 | 885.2  | 720.2  | 601.5  | 571.6  | 563.3  | 539.6  | 541.7  | 547.9  |
| 1576.5 | 37.5° | 1559.0 | 1304.1 | 834.7  | 687.2  | 569.5  | 538.6  | 530.3  | 505.6  | 507.6  | 514.8  |
| 1461.0 | 40°   | 1451.7 | 1246.4 | 785.2  | 652.1  | 535.5  | 504.5  | 497.3  | 470.5  | 472.5  | 480.8  |
| 1347.5 | 42.5° | 1343.4 | 1183.4 | 747.0  | 606.7  | 500.4  | 467.4  | 460.2  | 435.4  | 438.5  | 447.8  |
| 1248.4 | 45°   | 1243.3 | 1108.1 | 722.2  | 556.1  | 467.4  | 430.2  | 423.0  | 400.3  | 406.5  | 416.8  |
| 1164.9 | 47.5° | 1157.6 | 1030.7 | 711.9  | 513.8  | 432.3  | 392.1  | 385.9  | 367.3  | 377.6  | 389.0  |
| 1093.7 | 50°   | 1084.4 | 956.4  | 698.5  | 470.5  | 399.3  | 359.1  | 352.9  | 340.5  | 353.9  | 365.2  |
| 1045.2 | 52.5° | 1031.8 | 871.8  | 669.6  | 431.3  | 370.4  | 331.2  | 329.1  | 322.9  | 335.3  | 345.6  |
| 1009.1 | 55°   | 986.4  | 784.1  | 623.2  | 397.2  | 344.6  | 307.5  | 309.5  | 306.4  | 316.7  | 325.0  |
| 987.4  | 57.5° | 945.1  | 707.8  | 564.4  | 370.4  | 316.7  | 286.8  | 293.0  | 288.9  | 294.1  | 299.2  |
| 964.7  | 60°   | 895.6  | 630.4  | 494.2  | 340.5  | 283.7  | 266.2  | 273.4  | 262.1  | 261.0  | 263.1  |
| 923.4  | 62.5° | 822.3  | 526.2  | 421.0  | 303.3  | 254.8  | 243.5  | 246.6  | 224.9  | 208.4  | 208.4  |
| 862.6  | 65°   | 720.2  | 423.0  | 352.9  | 262.1  | 221.8  | 212.5  | 210.5  | 179.5  | 156.8  | 154.8  |
| 796.5  | 67.5° | 601.5  | 347.7  | 293.0  | 220.8  | 184.7  | 178.5  | 180.6  | 157.9  | 135.2  | 133.1  |
| 730.5  | 70°   | 490.1  | 287.9  | 236.3  | 176.4  | 142.4  | 148.6  | 157.9  | 135.2  | 113.5  | 110.4  |
| 653.1  | 72.5° | 398.3  | 229.1  | 184.7  | 135.2  | 105.2  | 122.8  | 134.1  | 110.4  | 89.8   | 87.7   |
| 557.1  | 75°   | 307.5  | 168.2  | 132.1  | 91.8   | 76.4   | 94.9   | 105.2  | 80.5   | 64.0   | 60.9   |
| 431.3  | 77.5° | 205.3  | 104.2  | 74.3   | 57.8   | 45.4   | 65.0   | 70.2   | 42.3   | 37.1   | 36.1   |
| 313.7  | 80°   | 124.8  | 48.5   | 32.0   | 27.9   | 15.5   | 23.7   | 27.9   | 17.5   | 19.6   | 20.6   |
| 167.1  | 82.5° | 62.9   | 13.4   | 5.2    | 1.0    | 0.0    | 0.0    | 8.3    | 4.1    | 8.3    | 10.3   |
| 45.4   | 85°   | 5.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.1    | 5.2    |
| 0.0    | 87.5° | 0.0    | 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    |

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**CANDELA DISTRIBUTION (continued):**

| 185°   |       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°    | 275°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 2073.8 | 0°    | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8 | 2073.8  | 2073.8  |
| 1822.1 | 2.5°  | 1879.9 | 1923.2 | 1964.5 | 2030.5 | 2098.6 | 2165.7 | 2233.8 | 2299.8 | 2323.5  | 2341.1  |
| 1573.4 | 5°    | 1663.2 | 1744.7 | 1839.6 | 1970.7 | 2111.0 | 2255.4 | 2401.9 | 2536.1 | 2596.9  | 2638.2  |
| 1339.2 | 7.5°  | 1439.3 | 1545.6 | 1681.8 | 1878.8 | 2098.6 | 2328.7 | 2558.8 | 2770.3 | 2868.3  | 2947.7  |
| 1118.4 | 10°   | 1217.5 | 1333.0 | 1505.3 | 1730.3 | 2027.4 | 2357.6 | 2675.4 | 2966.3 | 3093.2  | 3193.3  |
| 959.5  | 12.5° | 1022.5 | 1130.8 | 1311.4 | 1560.0 | 1916.0 | 2334.9 | 2742.4 | 3092.2 | 3241.8  | 3354.2  |
| 846.0  | 15°   | 885.2  | 961.6  | 1121.5 | 1389.8 | 1783.9 | 2261.6 | 2746.5 | 3152.0 | 3316.1  | 3433.7  |
| 798.6  | 17.5° | 808.9  | 834.7  | 938.9  | 1216.4 | 1637.4 | 2165.7 | 2708.4 | 3172.7 | 3348.1  | 3457.4  |
| 756.3  | 20°   | 767.6  | 771.8  | 800.6  | 991.5  | 1449.6 | 2075.9 | 2672.3 | 3193.3 | 3378.0  | 3469.8  |
| 726.4  | 22.5° | 734.6  | 734.6  | 741.8  | 811.0  | 1207.2 | 1968.6 | 2660.9 | 3229.4 | 3419.2  | 3476.0  |
| 692.3  | 25°   | 704.7  | 704.7  | 706.8  | 725.3  | 956.4  | 1804.5 | 2653.7 | 3285.1 | 3476.0  | 3491.5  |
| 658.3  | 27.5° | 673.7  | 674.8  | 674.8  | 685.1  | 770.7  | 1581.7 | 2622.7 | 3357.3 | 3544.1  | 3512.1  |
| 625.2  | 30°   | 642.8  | 644.8  | 644.8  | 652.1  | 682.0  | 1320.7 | 2561.9 | 3444.0 | 3632.8  | 3538.9  |
| 592.2  | 32.5° | 611.8  | 613.9  | 613.9  | 620.1  | 641.8  | 1054.5 | 2485.5 | 3523.5 | 3722.6  | 3550.3  |
| 560.2  | 35°   | 579.8  | 582.9  | 580.9  | 589.1  | 611.8  | 838.8  | 2388.5 | 3602.9 | 3819.6  | 3586.4  |
| 529.3  | 37.5° | 547.9  | 549.9  | 548.9  | 557.1  | 582.9  | 724.3  | 2276.1 | 3662.7 | 3951.6  | 3666.9  |
| 496.3  | 40°   | 515.9  | 514.8  | 514.8  | 524.1  | 552.0  | 691.3  | 2134.7 | 3757.7 | 4141.5  | 3808.2  |
| 463.3  | 42.5° | 482.9  | 482.9  | 480.8  | 491.1  | 525.2  | 666.5  | 1999.5 | 3927.9 | 4418.0  | 4033.1  |
| 432.3  | 45°   | 452.9  | 451.9  | 447.8  | 457.1  | 499.4  | 623.2  | 1952.1 | 4245.7 | 4826.6  | 4397.4  |
| 401.4  | 47.5° | 424.1  | 423.0  | 412.7  | 421.0  | 468.4  | 584.0  | 2129.6 | 4765.7 | 5393.0  | 4932.8  |
| 376.6  | 50°   | 398.3  | 399.3  | 379.7  | 386.9  | 437.5  | 554.1  | 2514.4 | 5440.5 | 6145.2  | 5654.0  |
| 356.0  | 52.5° | 374.5  | 374.5  | 348.7  | 352.9  | 399.3  | 527.2  | 2880.7 | 6172.0 | 7137.7  | 6660.0  |
| 334.3  | 55°   | 350.8  | 348.7  | 319.8  | 321.9  | 361.1  | 489.1  | 2935.4 | 6886.0 | 8491.4  | 8173.6  |
| 310.6  | 57.5° | 324.0  | 319.8  | 293.0  | 293.0  | 326.0  | 461.2  | 2544.3 | 7434.9 | 10171.1 | 10398.1 |
| 266.2  | 60°   | 291.0  | 287.9  | 270.3  | 265.2  | 298.2  | 486.0  | 1795.3 | 7498.8 | 11254.4 | 13356.1 |
| 211.5  | 62.5° | 248.7  | 252.8  | 243.5  | 236.3  | 271.4  | 504.5  | 1063.7 | 6984.0 | 10992.4 | 14297.1 |
| 164.0  | 65°   | 196.0  | 212.5  | 210.5  | 205.3  | 298.2  | 425.1  | 628.3  | 5995.6 | 10188.6 | 13537.7 |
| 143.4  | 67.5° | 167.1  | 178.5  | 175.4  | 175.4  | 312.6  | 322.9  | 395.2  | 4684.2 | 9082.6  | 12637.0 |
| 119.7  | 70°   | 142.4  | 153.7  | 142.4  | 142.4  | 236.3  | 196.0  | 273.4  | 3270.7 | 7888.8  | 11640.3 |
| 96.0   | 72.5° | 117.6  | 129.0  | 116.6  | 108.3  | 188.8  | 146.5  | 200.2  | 2043.9 | 6756.0  | 10602.4 |
| 68.1   | 75°   | 89.8   | 103.2  | 93.9   | 83.6   | 124.8  | 109.4  | 151.7  | 1187.6 | 5597.3  | 9071.2  |
| 41.3   | 77.5° | 56.7   | 74.3   | 70.2   | 58.8   | 91.8   | 79.4   | 109.4  | 706.8  | 4318.9  | 7088.2  |
| 24.8   | 80°   | 35.1   | 38.2   | 39.2   | 37.1   | 52.6   | 53.7   | 74.3   | 402.4  | 2956.0  | 4940.1  |
| 15.5   | 82.5° | 22.7   | 22.7   | 17.5   | 19.6   | 25.8   | 31.0   | 42.3   | 151.7  | 1737.5  | 3007.6  |
| 9.3    | 85°   | 16.5   | 14.4   | 9.3    | 9.3    | 12.4   | 15.5   | 16.5   | 46.4   | 704.7   | 1187.6  |
| 4.1    | 87.5° | 8.3    | 7.2    | 3.1    | 4.1    | 6.2    | 5.2    | 4.1    | 2.1    | 177.5   | 379.7   |
| 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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**CANDELA DISTRIBUTION (continued):**

| 285°    |       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2073.8  | 0°    | 2073.8  | 2073.8  | 2073.8  | 2073.8  | 2073.8  | 2073.8  | 2073.8  | 2073.8  |
| 2380.3  | 2.5°  | 2400.9  | 2432.9  | 2435.0  | 2435.0  | 2407.1  | 2406.1  | 2349.3  | 2343.1  |
| 2731.1  | 5°    | 2827.0  | 2847.7  | 2852.8  | 2842.5  | 2786.8  | 2745.5  | 2635.1  | 2611.4  |
| 3089.1  | 7.5°  | 3217.0  | 3258.3  | 3258.3  | 3233.5  | 3142.7  | 3058.1  | 2898.2  | 2838.4  |
| 3385.2  | 10°   | 3528.6  | 3576.1  | 3565.8  | 3515.2  | 3400.7  | 3284.1  | 3090.1  | 3011.7  |
| 3564.7  | 12.5° | 3680.3  | 3728.8  | 3702.0  | 3644.2  | 3532.7  | 3410.0  | 3205.7  | 3116.9  |
| 3616.3  | 15°   | 3677.2  | 3663.8  | 3635.9  | 3628.7  | 3575.0  | 3482.2  | 3291.3  | 3194.3  |
| 3584.3  | 17.5° | 3546.2  | 3432.7  | 3411.0  | 3483.2  | 3551.3  | 3528.6  | 3365.6  | 3274.8  |
| 3508.0  | 20°   | 3338.8  | 3140.7  | 3121.1  | 3259.3  | 3453.3  | 3552.3  | 3434.7  | 3351.2  |
| 3397.6  | 22.5° | 3120.0  | 2906.5  | 2861.1  | 3013.8  | 3305.8  | 3559.6  | 3522.4  | 3438.9  |
| 3275.8  | 25°   | 2912.7  | 2698.0  | 2652.7  | 2795.0  | 3141.7  | 3547.2  | 3617.3  | 3546.2  |
| 3159.2  | 27.5° | 2739.3  | 2531.9  | 2489.6  | 2632.0  | 2983.8  | 3512.1  | 3712.3  | 3661.7  |
| 3043.7  | 30°   | 2605.2  | 2413.3  | 2382.3  | 2519.6  | 2847.7  | 3468.8  | 3833.0  | 3805.1  |
| 2936.4  | 32.5° | 2526.8  | 2386.5  | 2397.8  | 2510.3  | 2774.4  | 3421.3  | 3948.5  | 3962.0  |
| 2883.8  | 35°   | 2604.2  | 2610.3  | 2709.4  | 2755.8  | 2842.5  | 3414.1  | 4105.4  | 4158.0  |
| 2946.7  | 37.5° | 2989.0  | 3203.6  | 3408.9  | 3370.8  | 3175.8  | 3497.7  | 4339.6  | 4437.6  |
| 3221.2  | 40°   | 3644.2  | 4084.7  | 4418.0  | 4272.5  | 3781.4  | 3753.5  | 4677.0  | 4823.5  |
| 3708.1  | 42.5° | 4444.8  | 5191.8  | 5740.7  | 5350.7  | 4562.4  | 4201.3  | 5158.8  | 5345.5  |
| 4297.3  | 45°   | 5289.8  | 6556.8  | 7421.4  | 6610.5  | 5395.1  | 4828.6  | 5888.2  | 6034.8  |
| 4849.3  | 47.5° | 6180.2  | 8215.9  | 9334.3  | 8007.5  | 6166.8  | 5542.6  | 6882.9  | 6916.9  |
| 5372.4  | 50°   | 7154.2  | 10034.9 | 11284.3 | 9403.5  | 6911.8  | 6360.8  | 8098.3  | 8059.1  |
| 5982.1  | 52.5° | 8081.8  | 11905.5 | 13193.1 | 10805.6 | 7565.9  | 7376.0  | 9508.7  | 9428.2  |
| 6815.8  | 55°   | 8967.0  | 13775.0 | 15113.2 | 12153.1 | 8182.9  | 8717.3  | 11184.3 | 10697.3 |
| 8017.8  | 57.5° | 9993.6  | 15455.7 | 17092.1 | 13506.8 | 9045.4  | 10458.9 | 13057.9 | 11434.0 |
| 10319.7 | 60°   | 11511.3 | 17365.5 | 19330.0 | 15361.9 | 10685.9 | 12289.3 | 13729.6 | 11293.6 |
| 13076.5 | 62.5° | 13449.0 | 19121.6 | 20957.1 | 17179.8 | 12333.6 | 12633.9 | 12740.2 | 10212.3 |
| 12514.2 | 65°   | 13825.6 | 19566.3 | 21048.9 | 17665.8 | 12121.1 | 10716.9 | 10401.2 | 8208.7  |
| 11178.1 | 67.5° | 12826.8 | 18762.5 | 19765.4 | 16760.9 | 10722.0 | 8281.9  | 7805.3  | 5955.3  |
| 10301.1 | 70°   | 11706.3 | 17230.4 | 17528.6 | 15222.6 | 9430.3  | 6091.5  | 5271.3  | 3821.6  |
| 9700.6  | 72.5° | 10558.0 | 15186.5 | 14569.5 | 13219.9 | 8288.1  | 4435.5  | 3802.0  | 2716.6  |
| 8845.3  | 75°   | 9194.0  | 12498.7 | 11476.3 | 10984.1 | 6862.2  | 3481.2  | 2750.7  | 1874.7  |
| 7608.2  | 77.5° | 7362.6  | 8797.8  | 8524.4  | 8514.1  | 5156.7  | 2543.3  | 1835.5  | 1175.2  |
| 5944.0  | 80°   | 5193.9  | 5709.8  | 5570.5  | 6412.4  | 3459.5  | 1844.8  | 1105.0  | 654.1   |
| 4137.4  | 82.5° | 2514.4  | 3157.2  | 3240.8  | 3818.5  | 1682.8  | 1085.4  | 254.8   | 142.4   |
| 1617.8  | 85°   | 984.3   | 1522.9  | 1284.5  | 1449.6  | 472.5   | 302.3   | 6.2     | 0.0     |
| 266.2   | 87.5° | 110.4   | 176.4   | 162.0   | 127.9   | 57.8    | 12.4    | 0.0     | 0.0     |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)