

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: P940274

Luminaire Tested: **GLAN-SB3B-735-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940274  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12337 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 109.2  
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

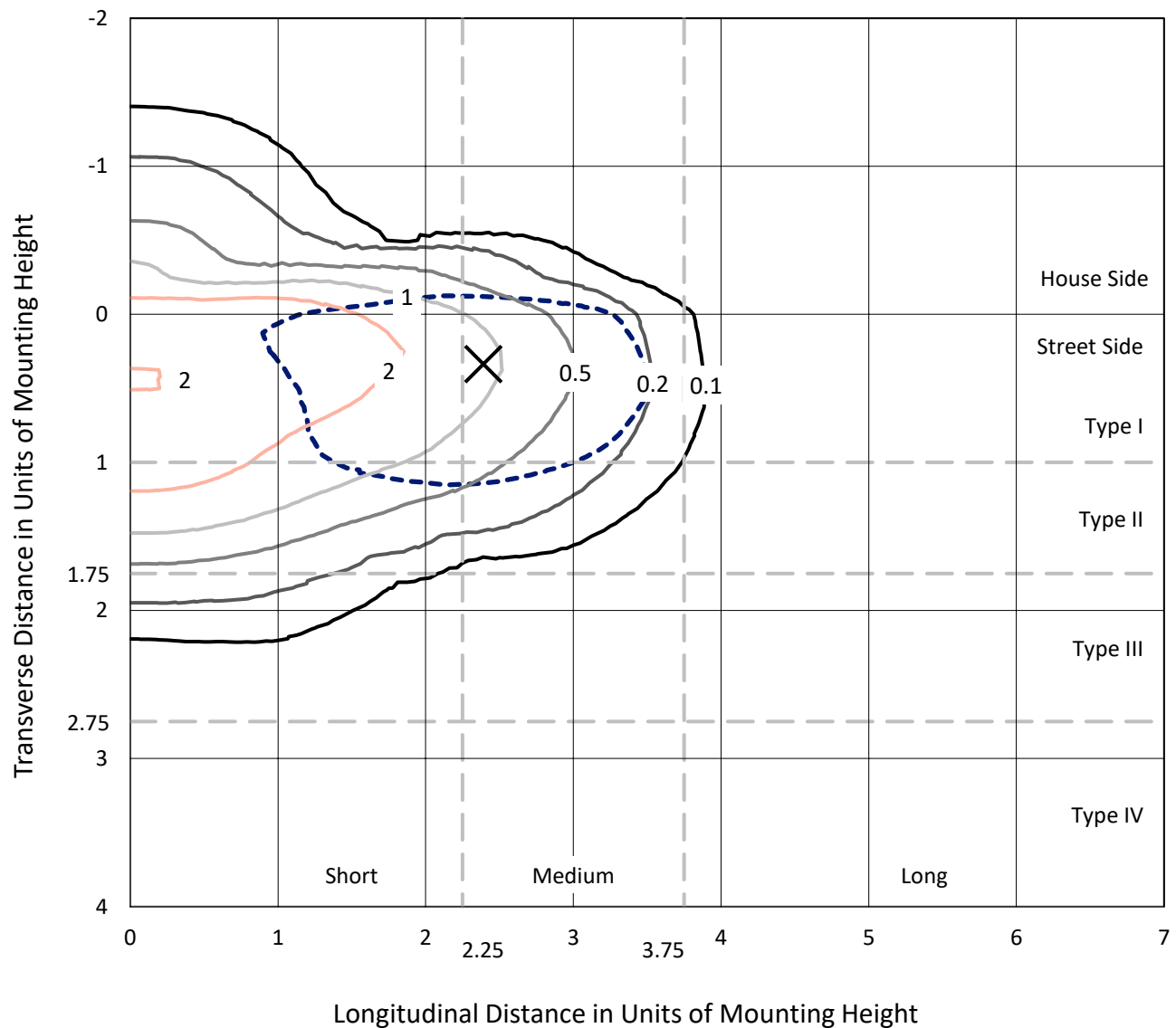


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## Iso-Footcandle Lines of Horizontal Illumination

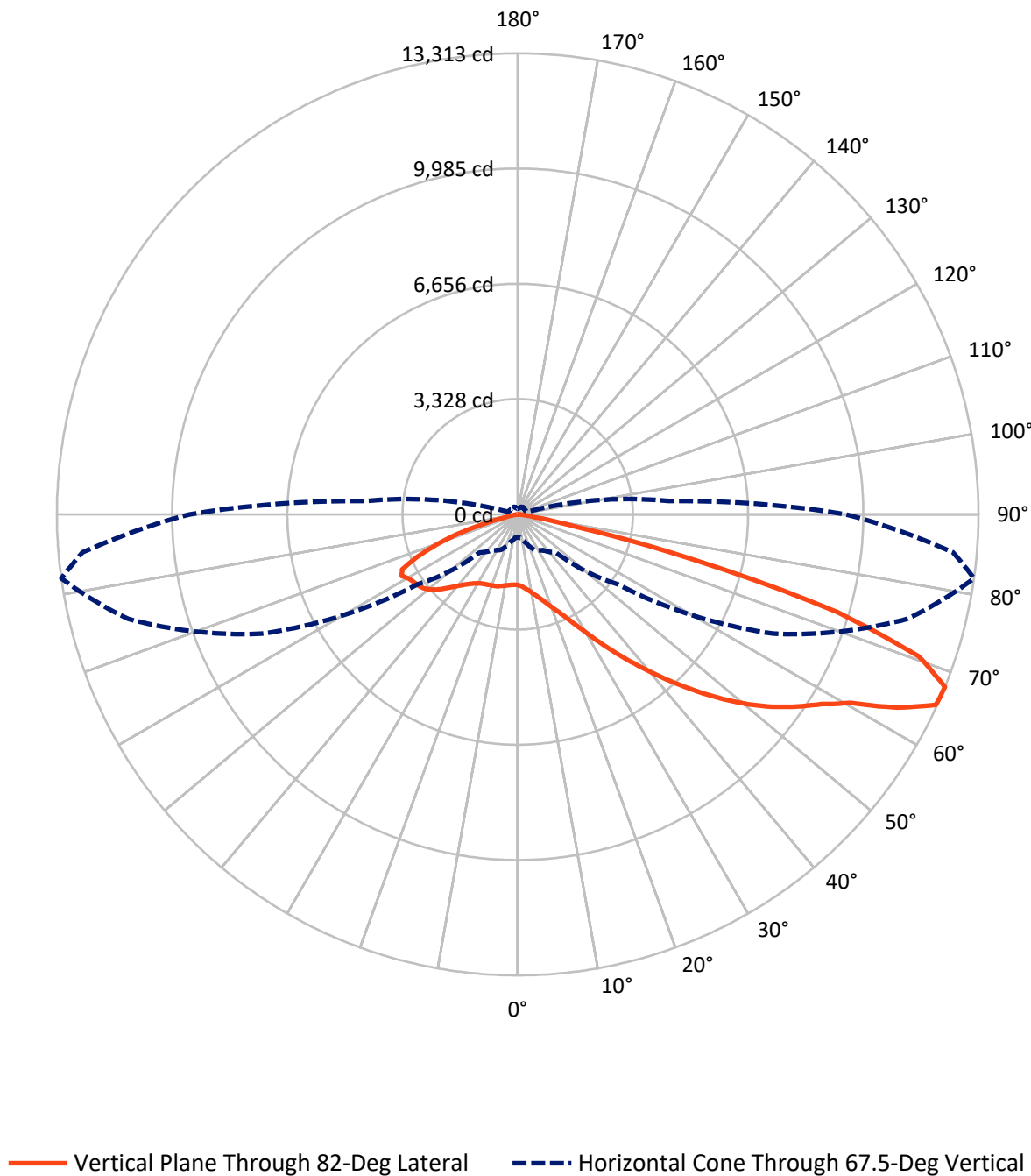
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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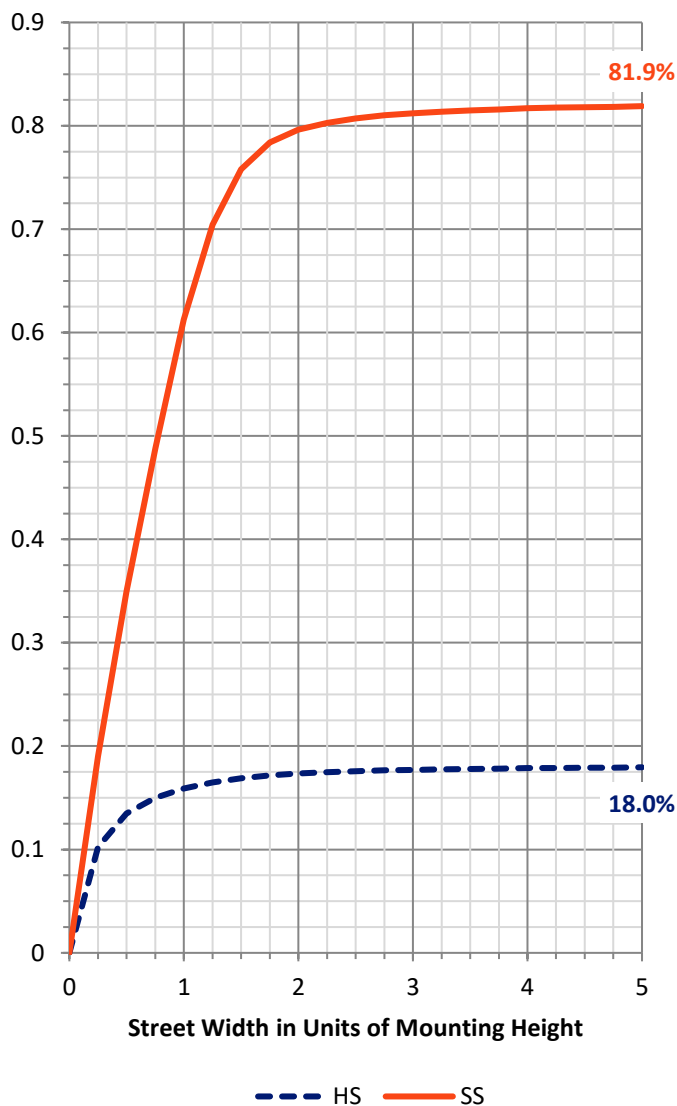
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2234.7   | 0.0    | 2234.7  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 10102.3  | 0.0    | 10102.3 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 12337.0  | 0.0    | 12337.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 182.1   | 1.5       |
| 10°-20°   | 473.2   | 3.8       |
| 20°-30°   | 757.9   | 6.1       |
| 30°-40°   | 1340.2  | 10.9      |
| 40°-50°   | 2348.1  | 19.0      |
| 50°-60°   | 3131.7  | 25.4      |
| 60°-70°   | 2915.5  | 23.6      |
| 70°-80°   | 1118.9  | 9.1       |
| 80°-90°   | 69.5    | 0.6       |
| 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°    | 12337.0 | 100.0     |
| 0°-180°   | 12337.0 | 100.0     |

**Coefficient of Utilization**



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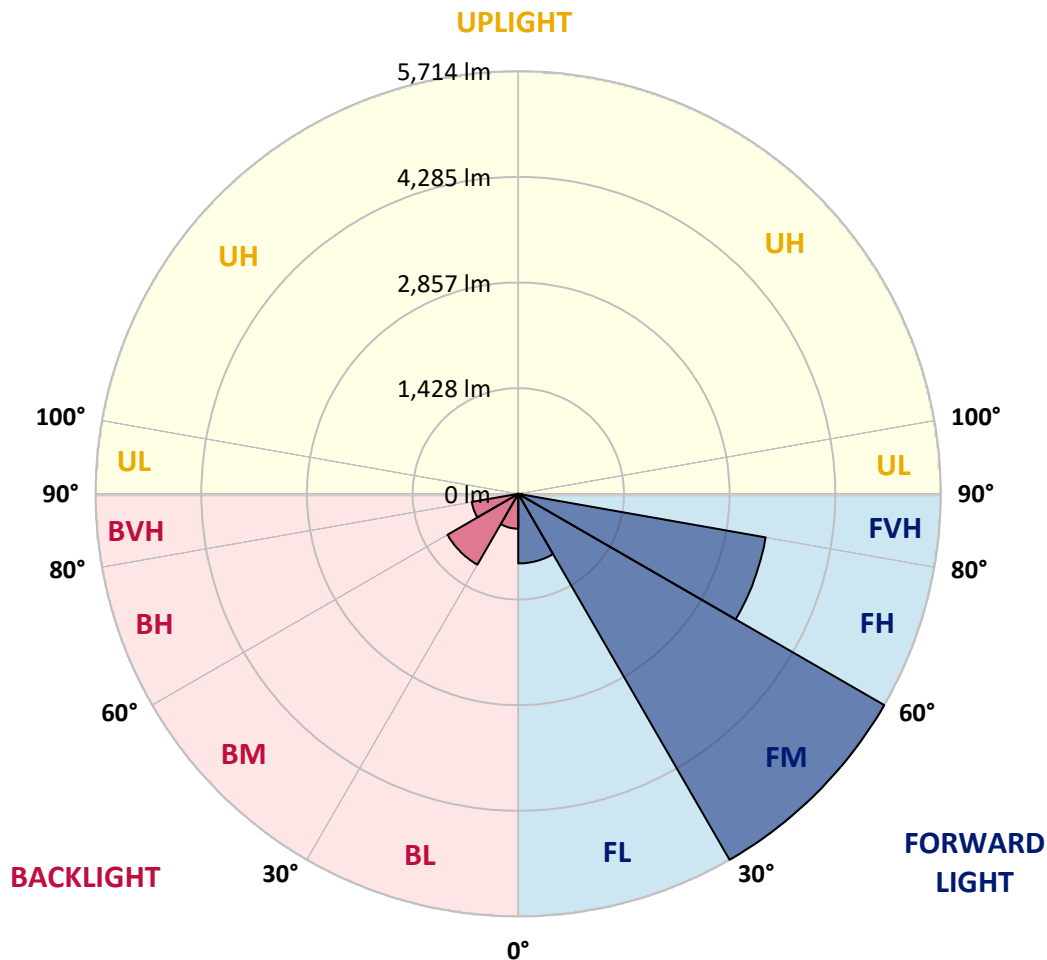
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 941.2  | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 5714.0 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 3396.6 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 50.5   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 472.0  | 3.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1106.0 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 637.8  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 19.0   | 0.2       |                         |      | 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°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 2043.8 | 2043.8 | 2043.8 | 2043.8 | 2043.8 | 2043.8 | 2043.8 | 2043.8 | 2043.8  | 2043.8  |
| 2.5°  | 2160.2 | 2172.6 | 2165.5 | 2162.0 | 2155.7 | 2146.9 | 2139.8 | 2117.5 | 2094.5  | 2079.4  |
| 5°    | 2203.7 | 2216.1 | 2215.3 | 2218.8 | 2223.2 | 2225.9 | 2224.1 | 2199.3 | 2166.4  | 2140.6  |
| 7.5°  | 2166.4 | 2180.6 | 2192.2 | 2209.9 | 2241.0 | 2273.9 | 2289.9 | 2284.5 | 2250.8  | 2215.3  |
| 10°   | 2060.7 | 2075.8 | 2103.3 | 2145.1 | 2210.8 | 2281.9 | 2341.4 | 2368.9 | 2347.6  | 2308.5  |
| 12.5° | 1867.1 | 1882.2 | 1936.3 | 2026.9 | 2137.1 | 2260.6 | 2374.2 | 2448.0 | 2453.3  | 2414.2  |
| 15°   | 1649.4 | 1664.5 | 1722.3 | 1836.0 | 2003.9 | 2201.9 | 2392.0 | 2531.5 | 2578.5  | 2544.8  |
| 17.5° | 1514.4 | 1527.8 | 1571.3 | 1662.8 | 1837.8 | 2084.7 | 2385.8 | 2620.3 | 2727.8  | 2701.1  |
| 20°   | 1473.6 | 1485.1 | 1505.6 | 1569.5 | 1715.2 | 1963.0 | 2344.9 | 2703.8 | 2888.5  | 2873.4  |
| 22.5° | 1517.1 | 1527.8 | 1534.0 | 1562.4 | 1653.9 | 1883.1 | 2293.4 | 2789.1 | 3075.1  | 3076.8  |
| 25°   | 1617.5 | 1628.1 | 1621.0 | 1638.8 | 1678.8 | 1858.2 | 2273.9 | 2889.4 | 3309.6  | 3329.1  |
| 27.5° | 1782.7 | 1783.6 | 1766.7 | 1765.8 | 1772.0 | 1895.5 | 2294.3 | 2996.9 | 3605.3  | 3641.8  |
| 30°   | 2114.0 | 2100.7 | 2035.8 | 1965.7 | 1933.7 | 2007.4 | 2351.2 | 3123.9 | 3954.4  | 4019.3  |
| 32.5° | 2624.7 | 2605.2 | 2486.2 | 2318.3 | 2149.5 | 2187.7 | 2453.3 | 3268.7 | 4334.6  | 4451.8  |
| 35°   | 3179.0 | 3173.7 | 3049.3 | 2799.7 | 2504.8 | 2444.4 | 2619.4 | 3458.8 | 4749.4  | 4935.9  |
| 37.5° | 3694.2 | 3691.5 | 3620.4 | 3326.4 | 2967.6 | 2802.4 | 2885.9 | 3707.5 | 5193.5  | 5463.5  |
| 40°   | 4164.9 | 4172.9 | 4101.9 | 3838.9 | 3477.4 | 3261.6 | 3248.3 | 4014.8 | 5687.4  | 6038.2  |
| 42.5° | 4571.7 | 4580.6 | 4508.7 | 4314.1 | 3981.1 | 3769.7 | 3693.3 | 4391.4 | 6169.7  | 6655.5  |
| 45°   | 4848.0 | 4903.0 | 4892.4 | 4736.9 | 4498.0 | 4278.6 | 4228.0 | 4864.0 | 6719.5  | 7310.2  |
| 47.5° | 4926.1 | 4976.8 | 5056.7 | 5078.0 | 4932.4 | 4716.5 | 4776.9 | 5433.3 | 7275.5  | 7965.7  |
| 50°   | 4733.4 | 4780.5 | 4946.6 | 5167.7 | 5269.0 | 5202.4 | 5310.7 | 6043.5 | 7844.9  | 8619.4  |
| 52.5° | 4353.2 | 4401.2 | 4610.8 | 4960.8 | 5373.8 | 5583.4 | 5846.3 | 6644.9 | 8396.5  | 9238.5  |
| 55°   | 3803.4 | 3854.0 | 4123.2 | 4519.3 | 5174.0 | 5740.6 | 6293.1 | 7245.3 | 8901.9  | 9795.4  |
| 57.5° | 3055.5 | 3092.8 | 3372.6 | 3926.9 | 4671.2 | 5584.3 | 6622.7 | 7900.8 | 9378.0  | 10342.6 |
| 60°   | 1991.4 | 2024.3 | 2349.4 | 2967.6 | 3838.1 | 5062.0 | 6688.4 | 8631.8 | 10010.4 | 11054.1 |
| 62.5° | 1324.4 | 1346.6 | 1539.3 | 1993.2 | 2702.9 | 4059.2 | 6303.8 | 9215.4 | 10937.7 | 12292.3 |
| 65°   | 908.7  | 930.9  | 1123.6 | 1439.8 | 1746.3 | 2685.1 | 5197.9 | 9138.1 | 11778.0 | 13275.5 |
| 67.5° | 648.4  | 667.1  | 830.5  | 1128.9 | 1264.0 | 1559.7 | 3523.6 | 8150.4 | 11657.2 | 13312.8 |
| 70°   | 464.5  | 475.2  | 610.2  | 879.4  | 1004.6 | 937.1  | 1959.4 | 6233.6 | 10206.7 | 12293.1 |
| 72.5° | 325.1  | 328.6  | 423.7  | 669.7  | 809.2  | 683.9  | 932.6  | 4156.0 | 7719.6  | 9648.9  |
| 75°   | 220.3  | 224.7  | 285.1  | 491.2  | 649.3  | 522.3  | 493.9  | 2228.6 | 4531.8  | 5340.9  |
| 77.5° | 135.0  | 136.8  | 183.9  | 335.8  | 485.9  | 397.9  | 318.0  | 944.2  | 1753.4  | 1721.4  |
| 80°   | 76.4   | 76.4   | 117.2  | 208.7  | 331.3  | 256.7  | 222.9  | 401.5  | 555.1   | 487.6   |
| 82.5° | 42.6   | 43.5   | 85.3   | 129.7  | 219.4  | 151.9  | 122.6  | 185.6  | 239.8   | 212.3   |
| 85°   | 17.8   | 19.5   | 52.4   | 61.3   | 104.8  | 75.5   | 49.7   | 78.2   | 88.8    | 79.1    |
| 87.5° | 1.8    | 2.7    | 16.0   | 11.5   | 12.4   | 15.1   | 7.1    | 15.1   | 12.4    | 12.4    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2043.8  | 0°    | 2043.8 | 2043.8 | 2043.8 | 2043.8 | 2043.8 | 2043.8 | 2043.8 | 2043.8 | 2043.8 | 2043.8 |
| 2074.0  | 2.5°  | 2057.1 | 2043.8 | 2010.1 | 1971.0 | 1919.5 | 1894.6 | 1860.8 | 1837.8 | 1818.2 | 1820.0 |
| 2125.5  | 5°    | 2097.1 | 2063.4 | 1987.9 | 1893.7 | 1776.5 | 1693.0 | 1604.1 | 1542.9 | 1493.1 | 1482.5 |
| 2196.6  | 7.5°  | 2152.2 | 2098.9 | 1966.5 | 1796.9 | 1598.8 | 1448.7 | 1314.6 | 1228.4 | 1167.1 | 1147.6 |
| 2282.8  | 10°   | 2223.2 | 2146.0 | 1939.0 | 1675.2 | 1390.1 | 1199.1 | 1055.2 | 987.7  | 946.0  | 931.8  |
| 2384.0  | 12.5° | 2305.9 | 2200.2 | 1902.6 | 1526.9 | 1175.1 | 991.3  | 899.8  | 866.0  | 852.7  | 848.3  |
| 2508.4  | 15°   | 2409.8 | 2267.7 | 1847.5 | 1351.0 | 993.0  | 864.3  | 825.2  | 820.7  | 822.5  | 820.7  |
| 2657.6  | 17.5° | 2533.2 | 2341.4 | 1757.8 | 1169.8 | 870.5  | 799.4  | 785.2  | 788.8  | 793.2  | 792.3  |
| 2824.6  | 20°   | 2668.3 | 2414.2 | 1643.2 | 1009.0 | 787.0  | 753.2  | 745.2  | 748.8  | 752.3  | 750.6  |
| 3017.3  | 22.5° | 2821.9 | 2492.4 | 1516.2 | 883.8  | 731.0  | 710.6  | 701.7  | 702.6  | 702.6  | 699.0  |
| 3261.6  | 25°   | 3005.8 | 2578.5 | 1383.0 | 795.0  | 688.4  | 672.4  | 661.7  | 658.2  | 652.9  | 642.2  |
| 3558.3  | 27.5° | 3225.2 | 2670.0 | 1255.1 | 732.8  | 654.6  | 639.5  | 627.1  | 618.2  | 604.9  | 587.1  |
| 3914.4  | 30°   | 3472.1 | 2781.1 | 1146.7 | 693.7  | 628.0  | 612.9  | 598.7  | 585.3  | 565.8  | 543.6  |
| 4323.9  | 32.5° | 3762.6 | 2900.1 | 1067.7 | 668.0  | 604.0  | 588.0  | 571.1  | 555.1  | 533.8  | 511.6  |
| 4784.0  | 35°   | 4109.0 | 3044.0 | 1021.5 | 650.2  | 585.3  | 564.0  | 545.4  | 527.6  | 511.6  | 492.1  |
| 5284.1  | 37.5° | 4484.7 | 3196.7 | 1007.3 | 641.3  | 572.9  | 540.0  | 518.7  | 506.3  | 504.5  | 493.0  |
| 5825.0  | 40°   | 4895.9 | 3377.9 | 1017.9 | 636.0  | 559.6  | 517.0  | 493.9  | 491.2  | 495.6  | 475.2  |
| 6403.3  | 42.5° | 5331.2 | 3592.9 | 1035.7 | 629.8  | 540.9  | 493.9  | 471.7  | 471.7  | 468.1  | 439.7  |
| 7014.4  | 45°   | 5801.9 | 3840.7 | 1053.4 | 614.7  | 518.7  | 470.8  | 453.9  | 447.7  | 432.6  | 405.0  |
| 7629.0  | 47.5° | 6276.3 | 4093.0 | 1066.8 | 587.1  | 492.1  | 451.2  | 436.1  | 421.9  | 399.7  | 374.8  |
| 8232.1  | 50°   | 6726.6 | 4319.5 | 1052.6 | 546.3  | 461.9  | 432.6  | 416.6  | 397.0  | 373.1  | 356.2  |
| 8803.3  | 52.5° | 7129.0 | 4515.8 | 992.2  | 498.3  | 429.9  | 413.0  | 398.8  | 378.4  | 358.8  | 341.1  |
| 9318.4  | 55°   | 7478.9 | 4674.8 | 885.6  | 453.0  | 401.5  | 396.2  | 381.9  | 356.2  | 329.5  | 314.4  |
| 9829.2  | 57.5° | 7814.7 | 4795.6 | 752.3  | 415.7  | 375.7  | 377.5  | 356.2  | 333.1  | 308.2  | 292.2  |
| 10517.6 | 60°   | 8261.5 | 4957.2 | 617.3  | 381.1  | 348.2  | 353.5  | 330.4  | 313.5  | 282.5  | 262.0  |
| 11698.0 | 62.5° | 8975.6 | 5208.6 | 490.3  | 338.4  | 316.2  | 318.0  | 308.2  | 287.8  | 250.5  | 226.5  |
| 12572.9 | 65°   | 9542.3 | 5116.2 | 386.4  | 292.2  | 279.8  | 282.5  | 282.5  | 260.3  | 220.3  | 192.7  |
| 12620.0 | 67.5° | 9478.3 | 4380.8 | 308.2  | 246.9  | 245.2  | 246.9  | 253.1  | 234.5  | 195.4  | 173.2  |
| 11658.9 | 70°   | 8731.3 | 3484.5 | 246.9  | 205.2  | 213.2  | 208.7  | 226.5  | 214.1  | 175.9  | 153.7  |
| 9038.7  | 72.5° | 7124.5 | 2510.1 | 188.3  | 169.7  | 163.4  | 170.5  | 204.3  | 192.7  | 146.6  | 121.7  |
| 4787.6  | 75°   | 4163.1 | 1339.5 | 140.3  | 134.1  | 118.1  | 142.1  | 181.2  | 164.3  | 111.9  | 89.7   |
| 1467.4  | 77.5° | 1355.4 | 467.2  | 103.0  | 98.6   | 87.9   | 114.6  | 154.6  | 138.6  | 91.5   | 71.1   |
| 429.9   | 80°   | 363.3  | 141.2  | 70.2   | 64.8   | 56.8   | 85.3   | 122.6  | 110.1  | 65.7   | 46.2   |
| 184.8   | 82.5° | 145.7  | 59.5   | 40.9   | 36.4   | 31.1   | 58.6   | 96.8   | 88.8   | 48.9   | 29.3   |
| 57.7    | 85°   | 47.1   | 19.5   | 15.1   | 11.5   | 14.2   | 36.4   | 57.7   | 60.4   | 34.6   | 15.1   |
| 8.9     | 87.5° | 6.2    | 2.7    | 2.7    | 3.6    | 2.7    | 6.2    | 17.8   | 16.9   | 9.8    | 1.8    |
| 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°   |
|--------|
| 2043.8 |
| 1802.2 |
| 1458.5 |
| 1128.1 |
| 921.1  |
| 845.6  |
| 819.8  |
| 790.5  |
| 749.7  |
| 697.3  |
| 640.4  |
| 585.3  |
| 541.8  |
| 512.5  |
| 490.3  |
| 492.1  |
| 476.1  |
| 439.7  |
| 404.1  |
| 373.9  |
| 353.5  |
| 339.3  |
| 312.7  |
| 290.5  |
| 259.4  |
| 224.7  |
| 190.1  |
| 169.7  |
| 151.0  |
| 119.0  |
| 87.0   |
| 68.4   |
| 45.3   |
| 29.3   |
| 11.5   |
| 0.0    |
| 0.0    |