

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: P945978

Luminaire Tested: **GLAN-SB1D-735-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945978  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-735-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10368 lumens  
Efficiency: N/A  
Efficacy: 130.3 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

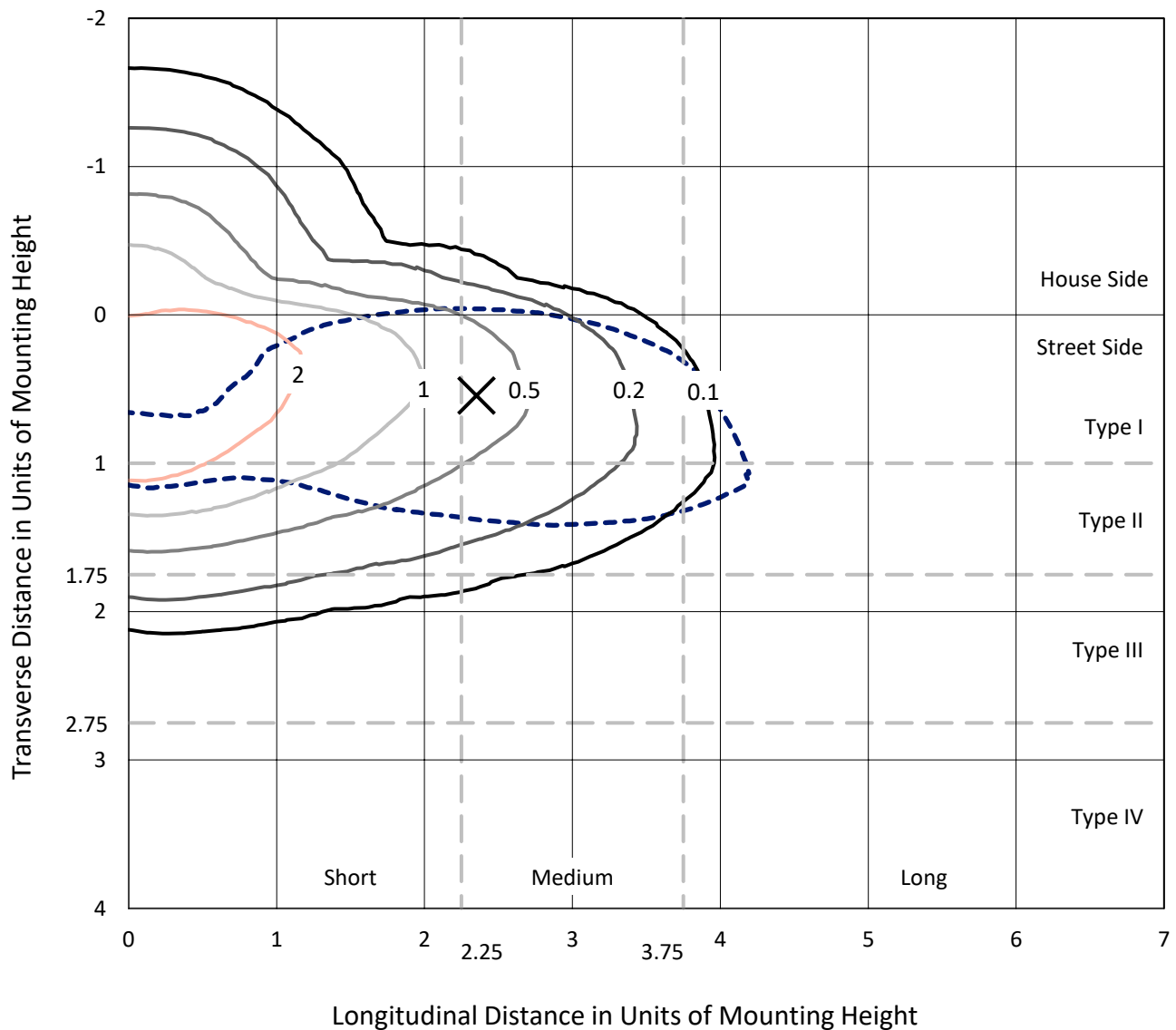
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

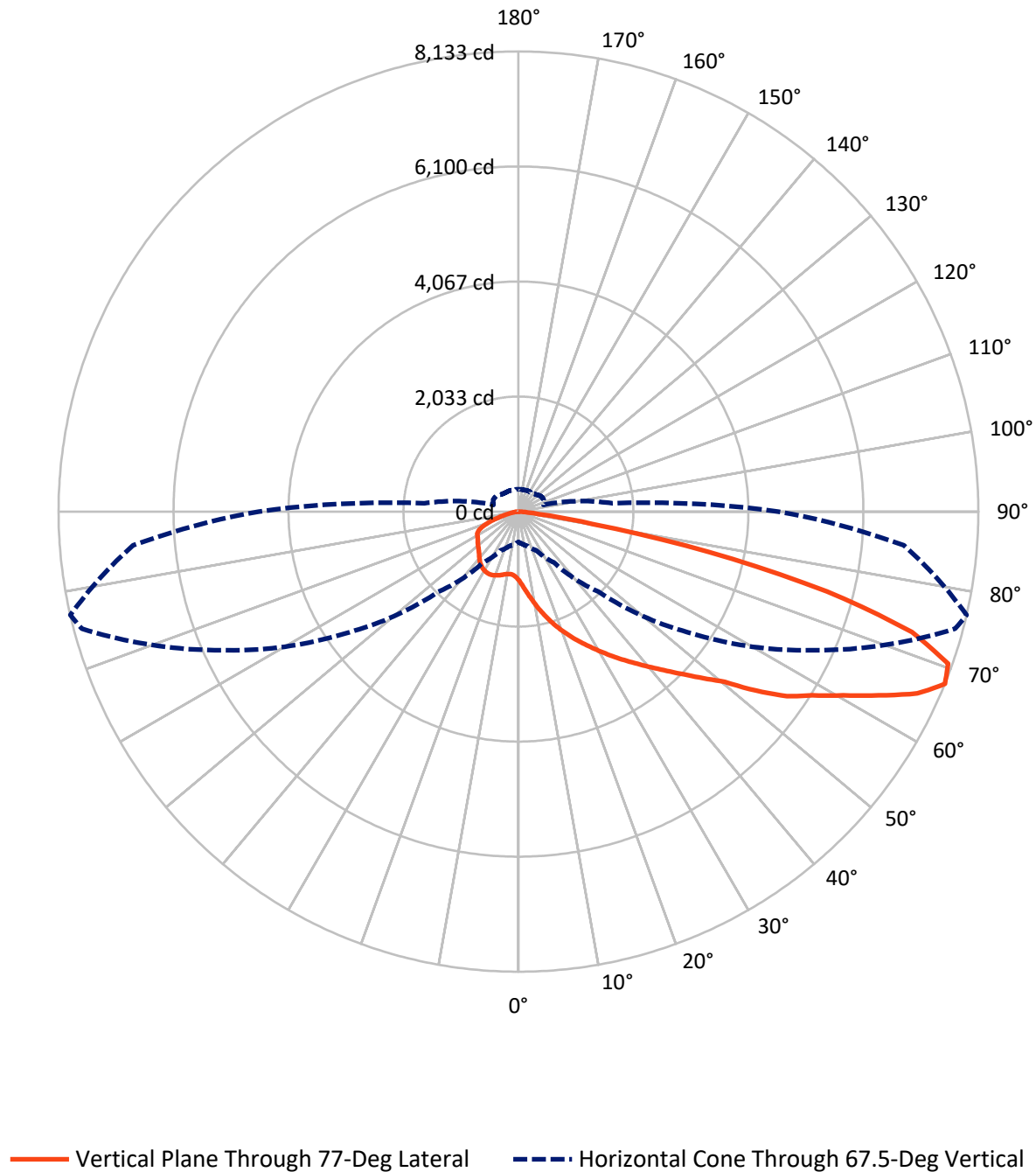
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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    | 1961.2   | 0.0    | 1961.2  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 8406.8   | 0.0    | 8406.8  |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 10368.0  | 0.0    | 10368.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 130.4   | 1.3       |
| 10°-20°   | 468.4   | 4.5       |
| 20°-30°   | 884.5   | 8.5       |
| 30°-40°   | 1424.9  | 13.7      |
| 40°-50°   | 1948.9  | 18.8      |
| 50°-60°   | 2198.4  | 21.2      |
| 60°-70°   | 2052.0  | 19.8      |
| 70°-80°   | 1124.8  | 10.8      |
| 80°-90°   | 135.7   | 1.3       |
| 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°    | 10368.0 | 100.0     |
| 0°-180°   | 10368.0 | 100.0     |

**Coefficient of Utilization**



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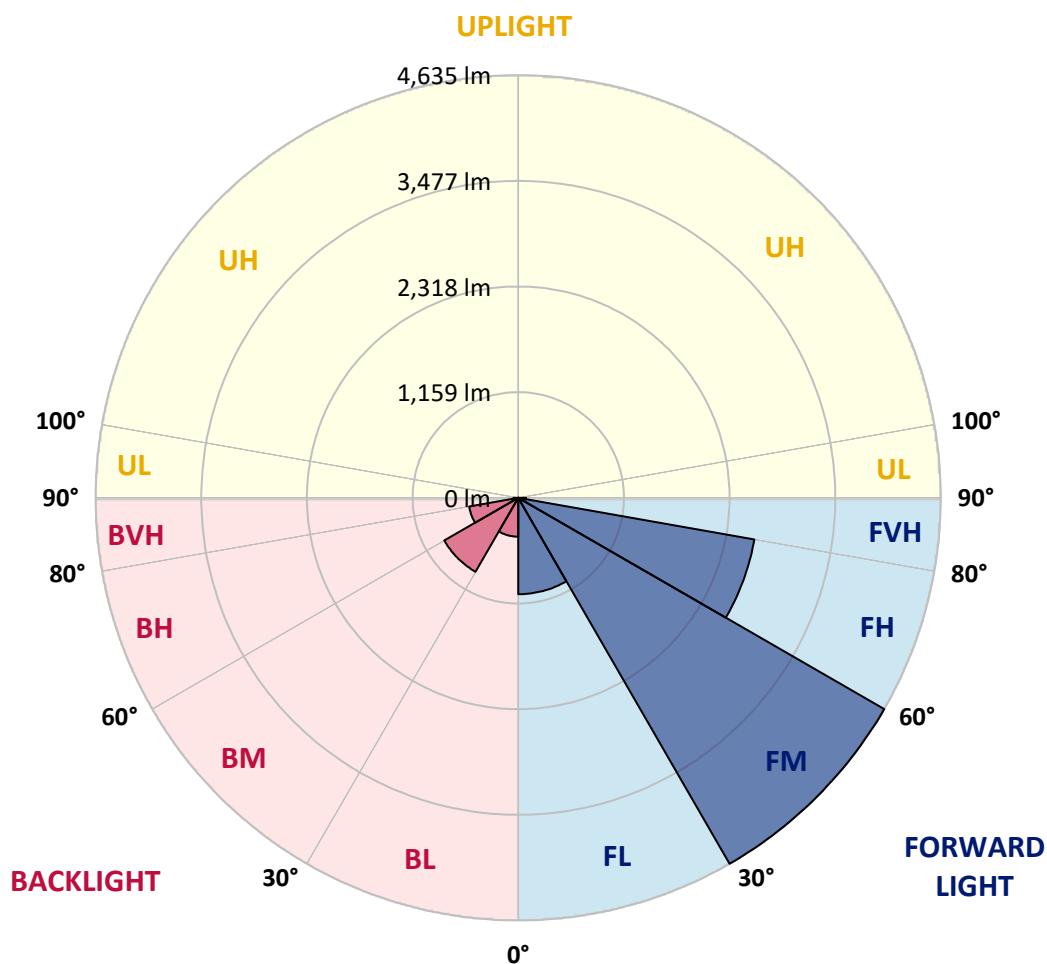
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1056.9 | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 4635.4 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 2629.6 | 25.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 84.8   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 426.4  | 4.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 936.8  | 9.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 547.1  | 5.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 50.8   | 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°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 |
| 2.5°  | 1523.2 | 1533.9 | 1520.5 | 1520.5 | 1475.5 | 1452.0 | 1407.0 | 1372.8 | 1311.2 | 1300.5 |
| 5°    | 1800.4 | 1813.8 | 1795.0 | 1787.0 | 1734.0 | 1685.3 | 1609.9 | 1535.5 | 1425.7 | 1414.5 |
| 7.5°  | 2015.0 | 2032.1 | 2015.5 | 2007.0 | 1959.9 | 1905.3 | 1817.0 | 1713.1 | 1558.5 | 1536.5 |
| 10°   | 2190.0 | 2192.7 | 2187.3 | 2190.5 | 2153.6 | 2108.7 | 2018.2 | 1897.3 | 1704.0 | 1674.1 |
| 12.5° | 2289.0 | 2301.3 | 2312.0 | 2331.3 | 2324.9 | 2297.0 | 2215.7 | 2071.2 | 1858.2 | 1819.6 |
| 15°   | 2335.6 | 2357.0 | 2381.1 | 2425.5 | 2461.3 | 2468.3 | 2406.2 | 2258.0 | 2015.0 | 1968.4 |
| 17.5° | 2352.2 | 2372.5 | 2410.5 | 2474.7 | 2551.8 | 2603.7 | 2575.9 | 2439.4 | 2170.2 | 2116.7 |
| 20°   | 2436.2 | 2442.1 | 2465.1 | 2526.1 | 2609.6 | 2695.8 | 2716.6 | 2613.9 | 2323.8 | 2263.3 |
| 22.5° | 2616.0 | 2604.2 | 2610.7 | 2638.5 | 2698.4 | 2781.9 | 2829.6 | 2768.0 | 2481.7 | 2412.1 |
| 25°   | 2913.0 | 2878.8 | 2844.5 | 2812.4 | 2842.9 | 2890.0 | 2944.1 | 2922.1 | 2647.1 | 2558.7 |
| 27.5° | 3288.2 | 3246.5 | 3171.0 | 3065.6 | 3028.6 | 3045.2 | 3069.3 | 3065.0 | 2800.1 | 2710.7 |
| 30°   | 3657.5 | 3608.8 | 3518.9 | 3366.3 | 3268.9 | 3225.1 | 3206.9 | 3194.6 | 2966.6 | 2871.3 |
| 32.5° | 3952.4 | 3913.8 | 3825.5 | 3654.8 | 3513.5 | 3438.6 | 3378.1 | 3334.2 | 3140.5 | 3045.2 |
| 35°   | 4210.3 | 4174.5 | 4073.3 | 3887.1 | 3733.5 | 3653.7 | 3574.5 | 3480.9 | 3321.4 | 3225.1 |
| 37.5° | 4445.8 | 4410.0 | 4271.4 | 4077.6 | 3922.9 | 3867.8 | 3797.2 | 3638.2 | 3502.8 | 3411.8 |
| 40°   | 4594.6 | 4586.6 | 4457.1 | 4237.6 | 4077.1 | 4049.8 | 4026.2 | 3820.7 | 3704.1 | 3619.5 |
| 42.5° | 4632.6 | 4650.3 | 4547.5 | 4367.2 | 4214.1 | 4192.1 | 4247.3 | 4027.3 | 3929.9 | 3849.1 |
| 45°   | 4541.1 | 4591.9 | 4524.5 | 4401.9 | 4311.5 | 4299.7 | 4443.2 | 4253.2 | 4179.8 | 4106.0 |
| 47.5° | 4309.4 | 4395.5 | 4367.7 | 4350.6 | 4337.7 | 4388.6 | 4615.5 | 4492.9 | 4463.0 | 4398.7 |
| 50°   | 3841.6 | 4004.8 | 4053.5 | 4161.6 | 4285.8 | 4457.6 | 4772.3 | 4754.6 | 4793.7 | 4728.9 |
| 52.5° | 3032.9 | 3257.7 | 3540.3 | 3811.1 | 4126.3 | 4434.6 | 4944.6 | 5130.3 | 5295.2 | 5259.9 |
| 55°   | 2503.6 | 2604.8 | 2822.1 | 3318.7 | 3817.0 | 4337.7 | 5022.2 | 5433.8 | 5792.9 | 5761.3 |
| 57.5° | 2096.9 | 2187.3 | 2321.1 | 2735.9 | 3349.2 | 4117.8 | 5070.4 | 5619.0 | 6133.8 | 6130.6 |
| 60°   | 1660.7 | 1756.5 | 1893.5 | 2187.3 | 2802.8 | 3737.8 | 5059.7 | 5829.8 | 6568.9 | 6595.7 |
| 62.5° | 1168.3 | 1273.8 | 1425.7 | 1699.8 | 2244.6 | 3245.4 | 4841.3 | 5982.4 | 7081.1 | 7153.9 |
| 65°   | 768.0  | 837.6  | 952.1  | 1188.7 | 1672.5 | 2612.3 | 4424.4 | 6002.2 | 7629.1 | 7752.2 |
| 67.5° | 538.4  | 565.2  | 632.6  | 761.0  | 1102.5 | 2003.2 | 3760.2 | 5797.2 | 7994.7 | 8133.3 |
| 70°   | 420.1  | 433.5  | 467.8  | 519.1  | 692.5  | 1347.1 | 2881.5 | 5264.1 | 7916.5 | 8061.0 |
| 72.5° | 362.9  | 375.7  | 388.5  | 395.0  | 464.5  | 831.7  | 1951.8 | 4401.4 | 7180.7 | 7278.6 |
| 75°   | 329.1  | 332.4  | 343.1  | 340.9  | 354.3  | 539.5  | 1126.6 | 3206.9 | 5665.5 | 5631.8 |
| 77.5° | 276.7  | 281.0  | 298.6  | 296.0  | 314.7  | 368.7  | 585.0  | 2069.6 | 3673.0 | 3444.0 |
| 80°   | 234.4  | 236.6  | 255.8  | 252.6  | 273.5  | 267.1  | 298.6  | 1054.9 | 1557.9 | 1319.8 |
| 82.5° | 81.3   | 100.6  | 195.3  | 201.2  | 208.7  | 161.6  | 172.3  | 430.3  | 475.8  | 364.5  |
| 85°   | 39.6   | 42.3   | 99.5   | 141.3  | 140.8  | 81.3   | 84.0   | 153.6  | 149.9  | 117.7  |
| 87.5° | 6.4    | 8.0    | 11.8   | 55.1   | 43.9   | 21.4   | 28.9   | 30.0   | 31.0   | 26.8   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1216.5 | 0°    | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 |
| 1259.8 | 2.5°  | 1229.9 | 1203.1 | 1146.9 | 1095.0 | 1054.3 | 1015.3 | 993.3  | 974.6  | 963.9  | 961.7  |
| 1318.7 | 5°    | 1263.1 | 1207.9 | 1105.7 | 1019.5 | 963.3  | 921.6  | 899.7  | 885.7  | 878.8  | 874.5  |
| 1397.9 | 7.5°  | 1310.7 | 1229.9 | 1084.3 | 986.4  | 927.5  | 897.5  | 886.3  | 884.1  | 883.6  | 884.1  |
| 1493.7 | 10°   | 1376.5 | 1265.7 | 1082.2 | 978.3  | 929.1  | 912.5  | 912.0  | 912.5  | 914.6  | 915.2  |
| 1598.1 | 12.5° | 1447.7 | 1302.7 | 1090.7 | 985.3  | 949.4  | 940.3  | 938.7  | 938.2  | 939.8  | 940.9  |
| 1703.5 | 15°   | 1525.3 | 1351.4 | 1105.2 | 1000.3 | 971.9  | 962.3  | 960.7  | 957.5  | 956.9  | 956.4  |
| 1814.3 | 17.5° | 1605.0 | 1399.5 | 1121.2 | 1016.3 | 986.4  | 973.0  | 967.1  | 959.6  | 953.7  | 952.1  |
| 1928.8 | 20°   | 1685.9 | 1447.2 | 1132.5 | 1024.4 | 987.4  | 968.7  | 956.9  | 944.1  | 933.9  | 928.0  |
| 2044.4 | 22.5° | 1772.0 | 1496.9 | 1139.4 | 1022.2 | 977.8  | 952.1  | 930.7  | 915.7  | 900.2  | 890.0  |
| 2161.1 | 25°   | 1856.0 | 1540.3 | 1138.9 | 1011.0 | 959.1  | 926.4  | 899.1  | 879.9  | 858.4  | 847.7  |
| 2281.5 | 27.5° | 1936.9 | 1579.3 | 1125.5 | 991.2  | 932.3  | 895.9  | 863.3  | 840.2  | 819.4  | 809.2  |
| 2403.0 | 30°   | 2020.3 | 1612.0 | 1104.6 | 962.3  | 900.7  | 860.6  | 824.7  | 804.9  | 786.2  | 776.6  |
| 2531.5 | 32.5° | 2103.3 | 1642.0 | 1075.2 | 926.4  | 864.3  | 825.8  | 790.5  | 772.3  | 761.0  | 761.0  |
| 2669.5 | 35°   | 2191.1 | 1662.8 | 1036.1 | 884.7  | 825.8  | 788.9  | 761.0  | 750.3  | 749.3  | 742.8  |
| 2815.6 | 37.5° | 2283.7 | 1676.2 | 988.5  | 841.9  | 787.8  | 753.0  | 744.5  | 731.6  | 720.9  | 707.0  |
| 2976.2 | 40°   | 2381.1 | 1689.6 | 931.2  | 797.4  | 747.7  | 728.4  | 724.6  | 707.5  | 677.0  | 642.8  |
| 3158.2 | 42.5° | 2499.3 | 1698.7 | 871.8  | 753.0  | 705.4  | 699.0  | 704.3  | 674.9  | 626.2  | 600.5  |
| 3377.6 | 45°   | 2636.3 | 1713.7 | 817.2  | 709.1  | 662.0  | 662.0  | 684.5  | 646.0  | 605.8  | 589.8  |
| 3628.1 | 47.5° | 2814.0 | 1748.5 | 766.4  | 661.0  | 621.9  | 632.6  | 640.6  | 611.2  | 588.7  | 568.9  |
| 3933.1 | 50°   | 3070.9 | 1832.0 | 713.9  | 612.3  | 591.4  | 612.8  | 601.6  | 584.4  | 558.2  | 542.1  |
| 4418.0 | 52.5° | 3389.9 | 1881.2 | 667.4  | 568.4  | 565.2  | 586.6  | 570.5  | 554.5  | 534.7  | 513.2  |
| 4785.7 | 55°   | 3607.2 | 1890.3 | 628.3  | 536.3  | 547.5  | 545.4  | 539.5  | 525.0  | 514.3  | 486.0  |
| 5148.5 | 57.5° | 3850.2 | 1908.5 | 596.2  | 517.0  | 536.3  | 512.7  | 510.6  | 498.3  | 484.3  | 465.1  |
| 5591.1 | 60°   | 4140.8 | 1936.9 | 568.4  | 509.5  | 526.6  | 491.3  | 480.6  | 475.8  | 461.9  | 452.2  |
| 6123.7 | 62.5° | 4457.6 | 1962.5 | 540.0  | 510.6  | 515.4  | 470.4  | 454.4  | 452.8  | 444.2  | 441.0  |
| 6623.5 | 65°   | 4673.8 | 1892.4 | 504.7  | 509.5  | 497.7  | 449.0  | 428.7  | 428.2  | 421.2  | 420.1  |
| 6840.3 | 67.5° | 4598.4 | 1670.3 | 457.1  | 494.5  | 479.5  | 427.6  | 405.1  | 403.0  | 393.9  | 394.4  |
| 6613.9 | 70°   | 4220.5 | 1353.5 | 391.2  | 457.6  | 457.1  | 408.4  | 380.5  | 373.6  | 361.3  | 363.4  |
| 5750.6 | 72.5° | 3511.9 | 1002.9 | 302.9  | 396.0  | 421.2  | 390.7  | 352.2  | 340.9  | 325.4  | 327.5  |
| 4245.1 | 75°   | 2536.3 | 681.8  | 220.5  | 301.3  | 366.6  | 369.8  | 324.3  | 305.1  | 286.3  | 289.5  |
| 2362.9 | 77.5° | 1297.8 | 386.4  | 162.2  | 207.7  | 287.9  | 336.1  | 299.2  | 273.5  | 269.2  | 299.2  |
| 681.3  | 80°   | 423.3  | 193.7  | 112.4  | 145.6  | 188.9  | 275.1  | 262.2  | 232.8  | 231.7  | 238.7  |
| 142.9  | 82.5° | 126.3  | 81.9   | 72.3   | 95.8   | 104.4  | 210.9  | 226.4  | 176.1  | 151.5  | 159.5  |
| 47.6   | 85°   | 43.4   | 39.6   | 41.2   | 47.6   | 49.8   | 123.6  | 158.4  | 116.7  | 110.2  | 121.5  |
| 10.7   | 87.5° | 10.2   | 13.9   | 11.8   | 10.7   | 10.7   | 30.0   | 61.5   | 48.7   | 67.4   | 45.0   |
| 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°   |
|--------|
| 1216.5 |
| 961.7  |
| 874.0  |
| 885.7  |
| 915.7  |
| 941.4  |
| 955.9  |
| 953.7  |
| 930.2  |
| 890.6  |
| 847.7  |
| 808.7  |
| 776.0  |
| 761.6  |
| 741.2  |
| 704.8  |
| 637.9  |
| 601.0  |
| 592.5  |
| 568.4  |
| 540.5  |
| 509.0  |
| 486.5  |
| 458.7  |
| 454.9  |
| 441.0  |
| 419.6  |
| 394.4  |
| 365.5  |
| 327.0  |
| 290.6  |
| 294.9  |
| 205.0  |
| 164.8  |
| 119.9  |
| 43.4   |
| 0.0    |