

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: P946723

Luminaire Tested: **GLAN-SB2B-750-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946723  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-750-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12117 lumens  
Efficiency: N/A  
Efficacy: 164.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

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

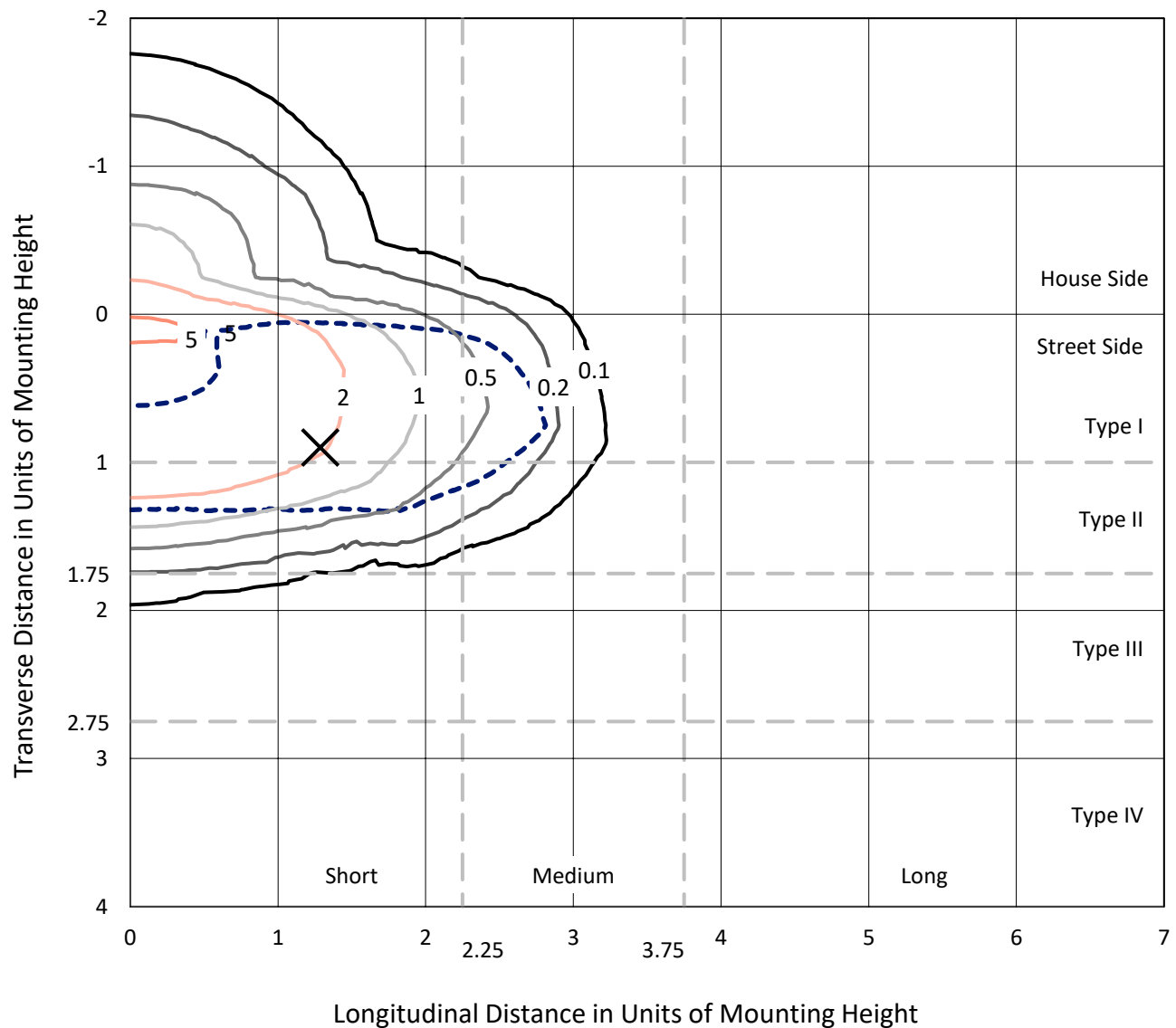


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## Iso-Footcandle Lines of Horizontal Illumination

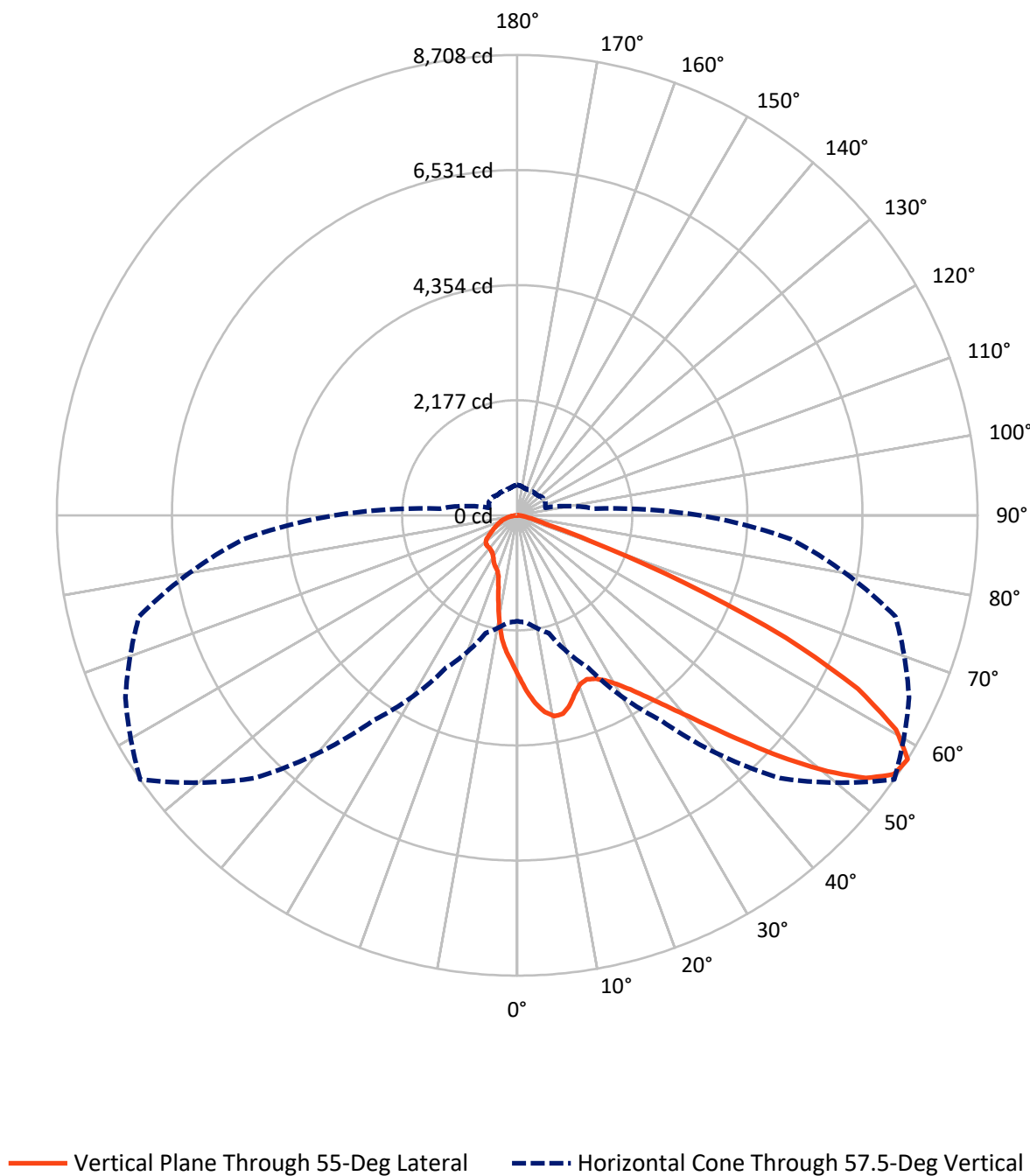
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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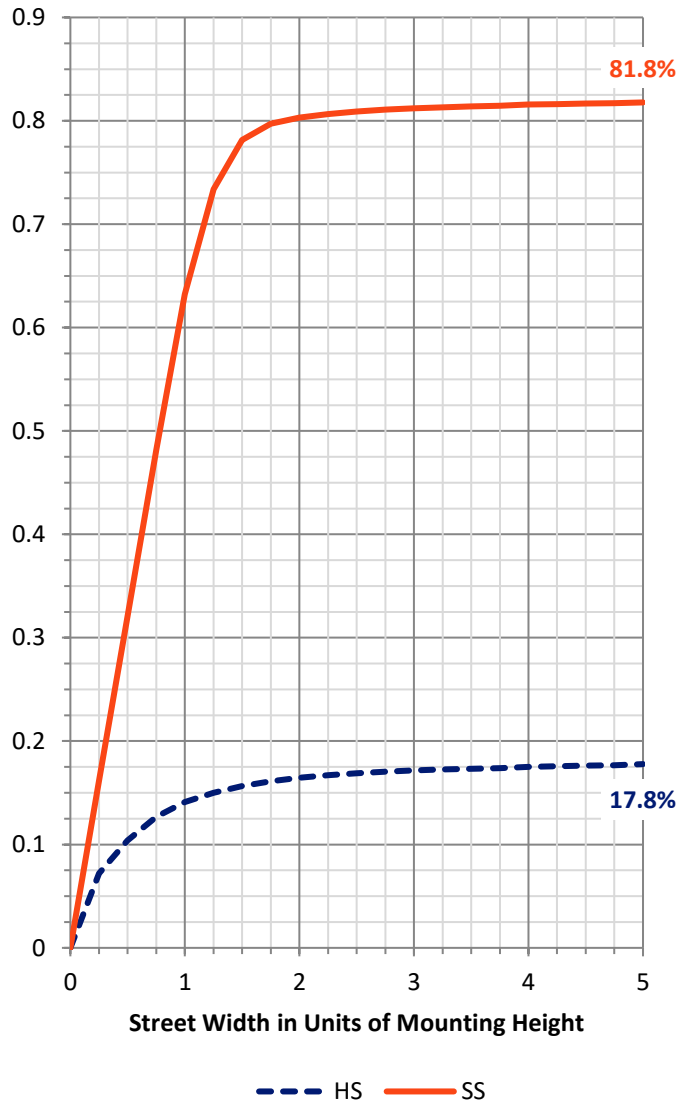
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2192.5   | 0.0    | 2192.5  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 9924.5   | 0.0    | 9924.5  |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 12117.0  | 0.0    | 12117.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 281.7   | 2.3       |
| 10°-20°   | 711.1   | 5.9       |
| 20°-30°   | 1134.7  | 9.4       |
| 30°-40°   | 1796.6  | 14.8      |
| 40°-50°   | 2749.8  | 22.7      |
| 50°-60°   | 2945.3  | 24.3      |
| 60°-70°   | 1852.9  | 15.3      |
| 70°-80°   | 547.9   | 4.5       |
| 80°-90°   | 96.9    | 0.8       |
| 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°    | 12117.0 | 100.0     |
| 0°-180°   | 12117.0 | 100.0     |

**Coefficient of Utilization**



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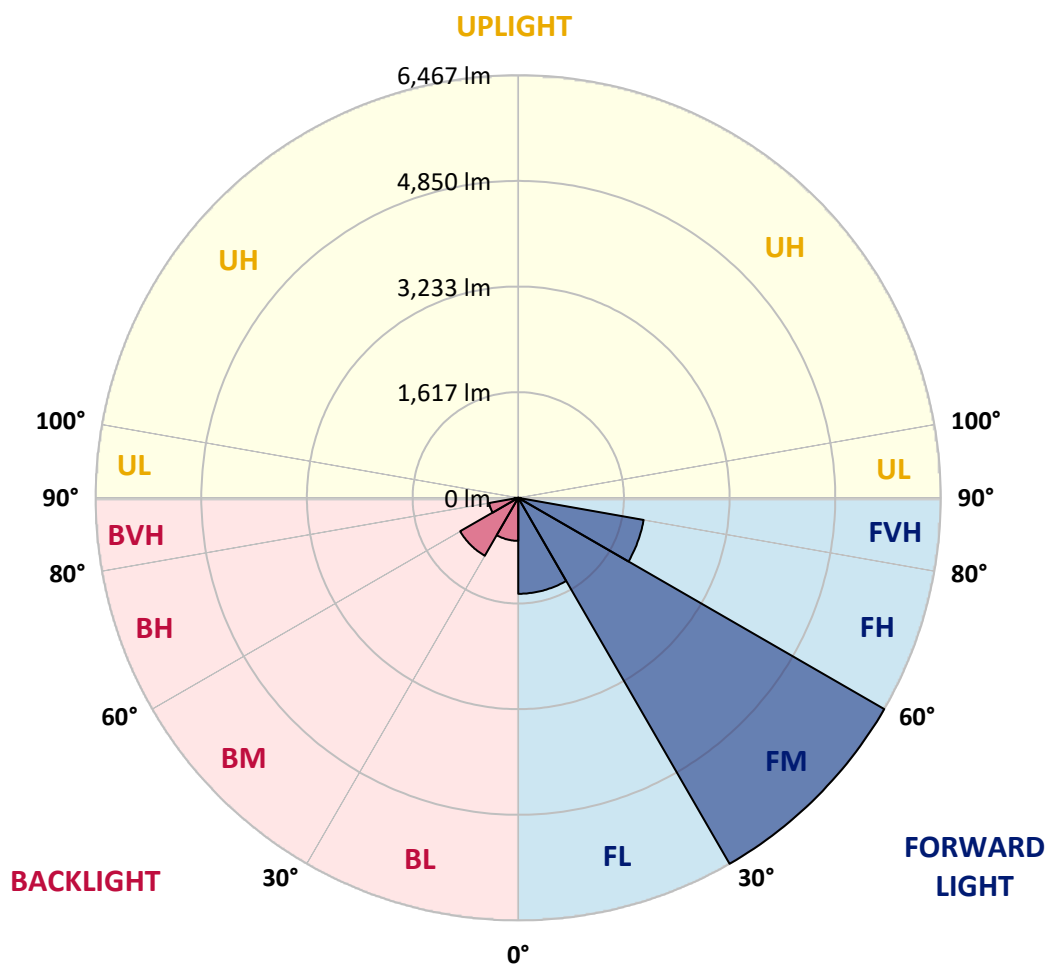
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1468.6 | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 6466.9 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 1948.0 | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 40.9   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 659.0  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1024.8 | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 452.8  | 3.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 55.9   | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 |
| 2.5°  | 3483.4 | 3480.9 | 3494.6 | 3447.7 | 3415.7 | 3372.5 | 3315.5 | 3242.8 | 3164.5 | 3081.9 |
| 5°    | 3797.2 | 3775.3 | 3789.7 | 3754.6 | 3719.5 | 3654.4 | 3569.8 | 3451.4 | 3306.7 | 3142.0 |
| 7.5°  | 3747.7 | 3732.7 | 3769.6 | 3801.0 | 3827.3 | 3819.1 | 3757.1 | 3633.1 | 3446.4 | 3207.1 |
| 10°   | 3348.7 | 3331.8 | 3383.8 | 3492.1 | 3651.2 | 3789.7 | 3864.8 | 3787.8 | 3589.2 | 3278.5 |
| 12.5° | 2996.7 | 2988.5 | 3023.0 | 3110.7 | 3287.3 | 3552.9 | 3851.1 | 3923.1 | 3737.7 | 3363.1 |
| 15°   | 2846.3 | 2836.3 | 2858.2 | 2902.7 | 3015.5 | 3262.9 | 3725.8 | 4015.8 | 3883.6 | 3460.8 |
| 17.5° | 2813.1 | 2801.9 | 2811.3 | 2834.4 | 2907.1 | 3095.6 | 3536.6 | 4061.5 | 4035.9 | 3569.8 |
| 20°   | 2874.5 | 2865.1 | 2866.4 | 2865.1 | 2915.9 | 3065.6 | 3405.1 | 4044.0 | 4168.6 | 3670.0 |
| 22.5° | 3023.0 | 3007.3 | 3007.9 | 2974.7 | 3002.3 | 3118.2 | 3370.6 | 3997.0 | 4287.0 | 3757.7 |
| 25°   | 3264.8 | 3236.6 | 3242.2 | 3157.6 | 3150.1 | 3235.9 | 3424.5 | 3960.7 | 4404.8 | 3827.9 |
| 27.5° | 3595.5 | 3563.5 | 3546.6 | 3420.7 | 3360.6 | 3403.2 | 3534.1 | 3973.2 | 4516.3 | 3888.6 |
| 30°   | 4008.9 | 3970.1 | 3935.6 | 3757.1 | 3648.1 | 3632.5 | 3704.5 | 4055.9 | 4647.8 | 3952.5 |
| 32.5° | 4515.7 | 4470.6 | 4407.9 | 4171.2 | 4017.7 | 3935.6 | 3925.0 | 4203.1 | 4801.9 | 4034.0 |
| 35°   | 5118.9 | 5060.0 | 4971.1 | 4664.7 | 4470.6 | 4302.7 | 4215.6 | 4415.4 | 5013.0 | 4156.7 |
| 37.5° | 5740.3 | 5673.9 | 5592.4 | 5227.9 | 4989.2 | 4741.8 | 4570.2 | 4703.6 | 5294.3 | 4323.4 |
| 40°   | 6313.4 | 6238.9 | 6163.1 | 5838.6 | 5582.4 | 5284.3 | 5004.3 | 5068.1 | 5638.2 | 4522.6 |
| 42.5° | 6651.7 | 6596.5 | 6567.7 | 6392.3 | 6194.4 | 5891.9 | 5544.2 | 5500.4 | 6024.6 | 4751.8 |
| 45°   | 6636.6 | 6614.1 | 6703.0 | 6775.7 | 6728.7 | 6560.8 | 6176.9 | 5978.3 | 6412.4 | 4950.4 |
| 47.5° | 6282.1 | 6297.1 | 6495.7 | 6904.1 | 7083.9 | 7171.6 | 6897.2 | 6447.5 | 6749.4 | 5098.8 |
| 50°   | 5317.5 | 5330.0 | 5789.8 | 6670.5 | 7175.3 | 7669.6 | 7611.9 | 6905.4 | 7010.6 | 5189.7 |
| 52.5° | 4553.9 | 4562.0 | 4759.3 | 5977.7 | 6873.4 | 7920.1 | 8255.9 | 7336.9 | 7201.6 | 5214.7 |
| 55°   | 3430.1 | 3458.3 | 3679.4 | 4689.8 | 6087.9 | 7721.5 | 8648.0 | 7781.7 | 7322.5 | 5217.2 |
| 57.5° | 2003.8 | 2034.5 | 2307.6 | 3183.3 | 4731.8 | 7029.4 | 8707.5 | 8176.3 | 7404.6 | 5197.2 |
| 60°   | 981.6  | 994.7  | 1113.7 | 1673.1 | 2917.7 | 5695.8 | 8228.9 | 8367.4 | 7450.3 | 5186.5 |
| 62.5° | 661.5  | 659.6  | 664.6  | 825.6  | 1437.6 | 3659.4 | 7231.7 | 8032.9 | 7425.9 | 5145.8 |
| 65°   | 568.8  | 561.9  | 543.1  | 579.4  | 744.8  | 1673.7 | 5587.4 | 7034.4 | 7239.9 | 5043.7 |
| 67.5° | 491.7  | 492.3  | 493.0  | 481.7  | 531.8  | 772.3  | 3414.5 | 5541.1 | 6572.1 | 4560.1 |
| 70°   | 407.2  | 412.8  | 415.3  | 415.3  | 433.5  | 506.8  | 1457.6 | 3797.8 | 5184.0 | 3575.5 |
| 72.5° | 370.8  | 358.9  | 360.2  | 353.9  | 353.9  | 385.9  | 586.9  | 2152.9 | 3266.0 | 2011.3 |
| 75°   | 302.5  | 310.1  | 311.3  | 306.9  | 292.5  | 294.4  | 348.3  | 903.3  | 1397.5 | 834.4  |
| 77.5° | 261.2  | 261.2  | 263.7  | 260.6  | 249.3  | 220.5  | 232.4  | 350.2  | 475.4  | 342.0  |
| 80°   | 209.8  | 209.2  | 219.9  | 226.1  | 208.6  | 162.9  | 148.5  | 193.6  | 211.1  | 150.3  |
| 82.5° | 102.1  | 108.4  | 151.0  | 172.3  | 158.5  | 117.8  | 90.8   | 120.3  | 112.8  | 66.4   |
| 85°   | 59.5   | 56.4   | 67.7   | 95.8   | 90.8   | 65.1   | 43.8   | 62.6   | 58.9   | 33.8   |
| 87.5° | 18.8   | 17.5   | 13.8   | 32.6   | 26.3   | 18.2   | 11.9   | 18.2   | 16.3   | 7.5    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3036.1 | 0°    | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 | 3036.1 |
| 3046.1 | 2.5°  | 3001.7 | 2927.8 | 2854.5 | 2787.4 | 2746.7 | 2720.4 | 2694.1 | 2664.7 | 2653.4 | 2636.5 |
| 3054.3 | 5°    | 2971.6 | 2828.8 | 2701.6 | 2592.0 | 2492.4 | 2414.1 | 2335.2 | 2271.3 | 2242.5 | 2261.9 |
| 3080.0 | 7.5°  | 2954.1 | 2747.4 | 2551.3 | 2350.2 | 2156.7 | 2002.0 | 1867.3 | 1772.7 | 1730.1 | 1740.7 |
| 3105.0 | 10°   | 2938.4 | 2655.3 | 2356.5 | 2038.9 | 1760.8 | 1569.1 | 1431.3 | 1359.3 | 1332.3 | 1338.0 |
| 3138.9 | 12.5° | 2924.0 | 2551.9 | 2121.6 | 1703.8 | 1408.1 | 1281.6 | 1242.1 | 1242.8 | 1247.8 | 1251.5 |
| 3192.7 | 15°   | 2921.5 | 2427.3 | 1859.1 | 1410.6 | 1217.7 | 1209.6 | 1252.2 | 1279.1 | 1293.5 | 1297.9 |
| 3237.8 | 17.5° | 2917.7 | 2278.2 | 1591.7 | 1210.8 | 1171.4 | 1226.5 | 1265.9 | 1283.5 | 1294.8 | 1295.4 |
| 3281.7 | 20°   | 2902.7 | 2089.0 | 1344.9 | 1115.6 | 1161.3 | 1208.9 | 1233.4 | 1247.1 | 1256.5 | 1259.7 |
| 3314.9 | 22.5° | 2856.4 | 1878.6 | 1152.6 | 1073.0 | 1121.2 | 1159.5 | 1188.3 | 1203.9 | 1209.6 | 1213.3 |
| 3321.1 | 25°   | 2773.0 | 1643.0 | 1019.8 | 1032.3 | 1065.5 | 1113.7 | 1136.9 | 1140.0 | 1138.2 | 1143.8 |
| 3305.5 | 27.5° | 2664.0 | 1390.6 | 937.1  | 977.2  | 1019.8 | 1061.1 | 1073.6 | 1071.8 | 1068.0 | 1074.3 |
| 3278.5 | 30°   | 2532.5 | 1163.8 | 884.5  | 915.2  | 973.4  | 1011.0 | 1022.3 | 1017.9 | 1010.4 | 1017.3 |
| 3264.8 | 32.5° | 2393.4 | 978.4  | 841.2  | 871.9  | 935.2  | 972.2  | 983.4  | 979.1  | 973.4  | 979.1  |
| 3280.4 | 35°   | 2263.8 | 848.8  | 801.2  | 843.1  | 905.1  | 941.5  | 955.9  | 956.5  | 956.5  | 963.4  |
| 3321.8 | 37.5° | 2144.8 | 773.0  | 768.0  | 825.0  | 884.5  | 917.0  | 937.7  | 939.0  | 912.0  | 913.9  |
| 3391.9 | 40°   | 2034.5 | 741.0  | 752.9  | 813.1  | 864.4  | 895.7  | 897.0  | 826.8  | 777.4  | 776.1  |
| 3472.1 | 42.5° | 1944.3 | 734.8  | 757.3  | 811.8  | 850.0  | 851.3  | 762.9  | 708.5  | 694.7  | 695.3  |
| 3546.0 | 45°   | 1859.8 | 732.9  | 767.3  | 811.8  | 828.7  | 735.4  | 675.9  | 661.5  | 662.7  | 667.7  |
| 3579.2 | 47.5° | 1765.2 | 725.4  | 769.2  | 800.5  | 767.3  | 654.0  | 636.4  | 630.2  | 627.6  | 628.9  |
| 3571.7 | 50°   | 1661.8 | 698.4  | 745.4  | 778.0  | 662.1  | 618.9  | 597.0  | 595.1  | 598.2  | 600.1  |
| 3529.7 | 52.5° | 1552.8 | 654.6  | 704.7  | 737.3  | 613.9  | 588.2  | 563.8  | 568.1  | 581.9  | 586.3  |
| 3485.9 | 55°   | 1481.4 | 603.2  | 650.8  | 655.8  | 580.0  | 559.4  | 538.7  | 548.7  | 574.4  | 582.5  |
| 3459.6 | 57.5° | 1462.6 | 548.7  | 589.4  | 583.8  | 536.8  | 534.3  | 521.8  | 530.6  | 563.1  | 575.0  |
| 3458.3 | 60°   | 1457.0 | 499.9  | 529.3  | 524.9  | 494.9  | 506.8  | 503.6  | 508.0  | 519.3  | 523.0  |
| 3445.8 | 62.5° | 1413.1 | 461.0  | 475.4  | 469.2  | 457.3  | 477.9  | 485.5  | 476.1  | 484.8  | 489.2  |
| 3360.0 | 65°   | 1301.6 | 429.7  | 422.8  | 418.4  | 423.4  | 442.2  | 457.3  | 438.5  | 446.6  | 459.1  |
| 3029.2 | 67.5° | 1117.5 | 387.1  | 368.3  | 373.3  | 389.0  | 399.0  | 418.4  | 397.1  | 404.0  | 425.3  |
| 2439.8 | 70°   | 903.9  | 333.2  | 316.3  | 330.7  | 345.8  | 366.4  | 369.6  | 355.2  | 371.5  | 395.3  |
| 1488.9 | 72.5° | 639.5  | 278.7  | 266.8  | 296.3  | 301.3  | 328.2  | 321.3  | 314.4  | 337.0  | 345.1  |
| 736.0  | 75°   | 443.5  | 224.9  | 218.0  | 240.5  | 258.7  | 281.9  | 276.9  | 285.0  | 332.6  | 336.4  |
| 367.7  | 77.5° | 280.6  | 174.8  | 170.4  | 184.8  | 209.8  | 235.5  | 243.7  | 336.4  | 568.1  | 590.7  |
| 191.0  | 80°   | 162.9  | 130.3  | 125.3  | 136.6  | 158.5  | 182.3  | 234.9  | 412.8  | 374.6  | 370.2  |
| 85.8   | 82.5° | 90.8   | 89.6   | 83.3   | 86.4   | 105.9  | 131.5  | 332.0  | 290.6  | 236.2  | 243.7  |
| 34.5   | 85°   | 42.6   | 52.6   | 45.1   | 43.2   | 59.5   | 154.1  | 221.7  | 166.0  | 110.2  | 107.7  |
| 7.5    | 87.5° | 11.3   | 10.0   | 10.0   | 11.3   | 25.1   | 132.8  | 88.3   | 70.8   | 42.0   | 40.7   |
| 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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