

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: P945731

Luminaire Tested: **GLAN-SB1C-830-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945731  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-830-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5185 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 54.4  
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



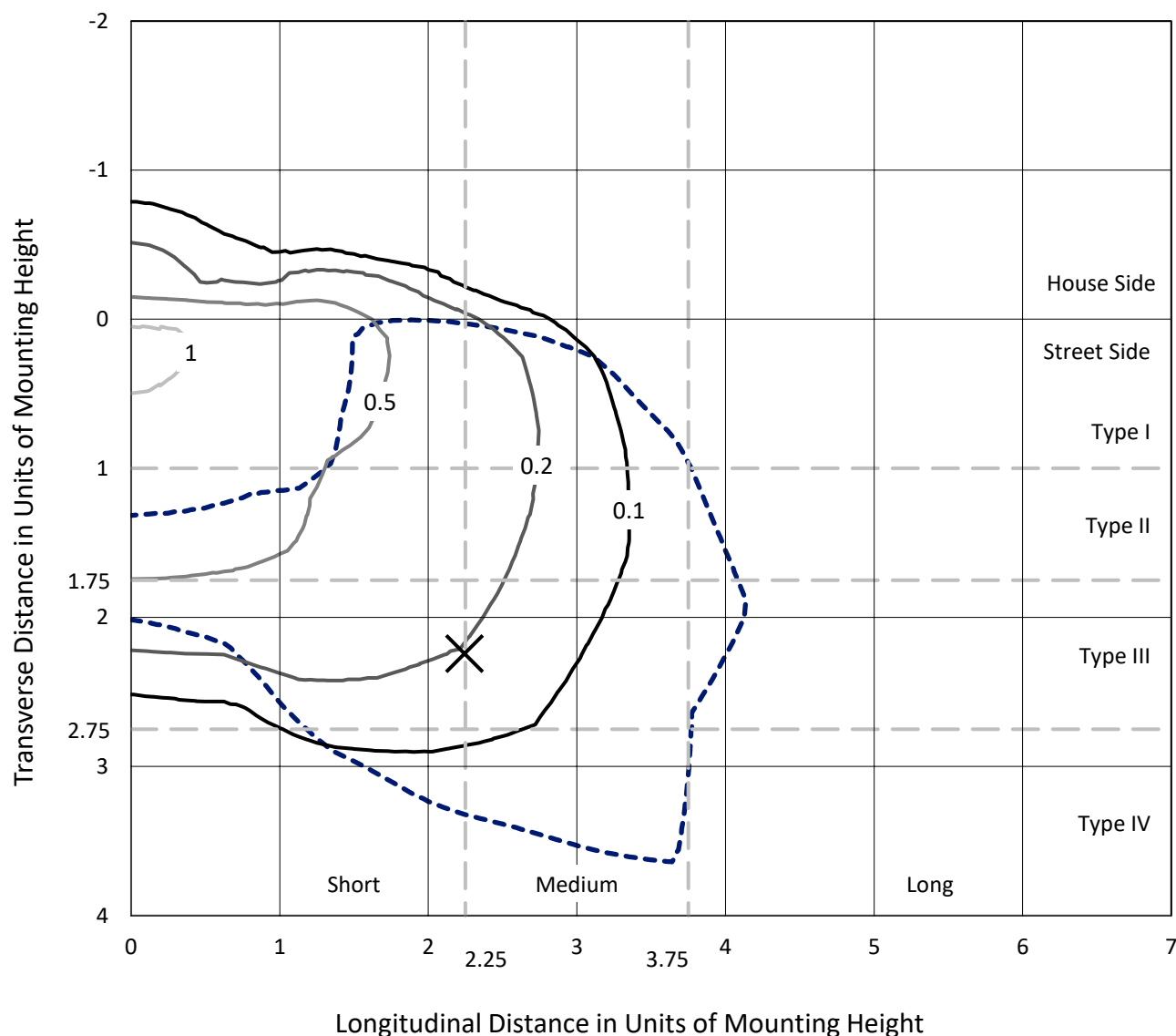
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

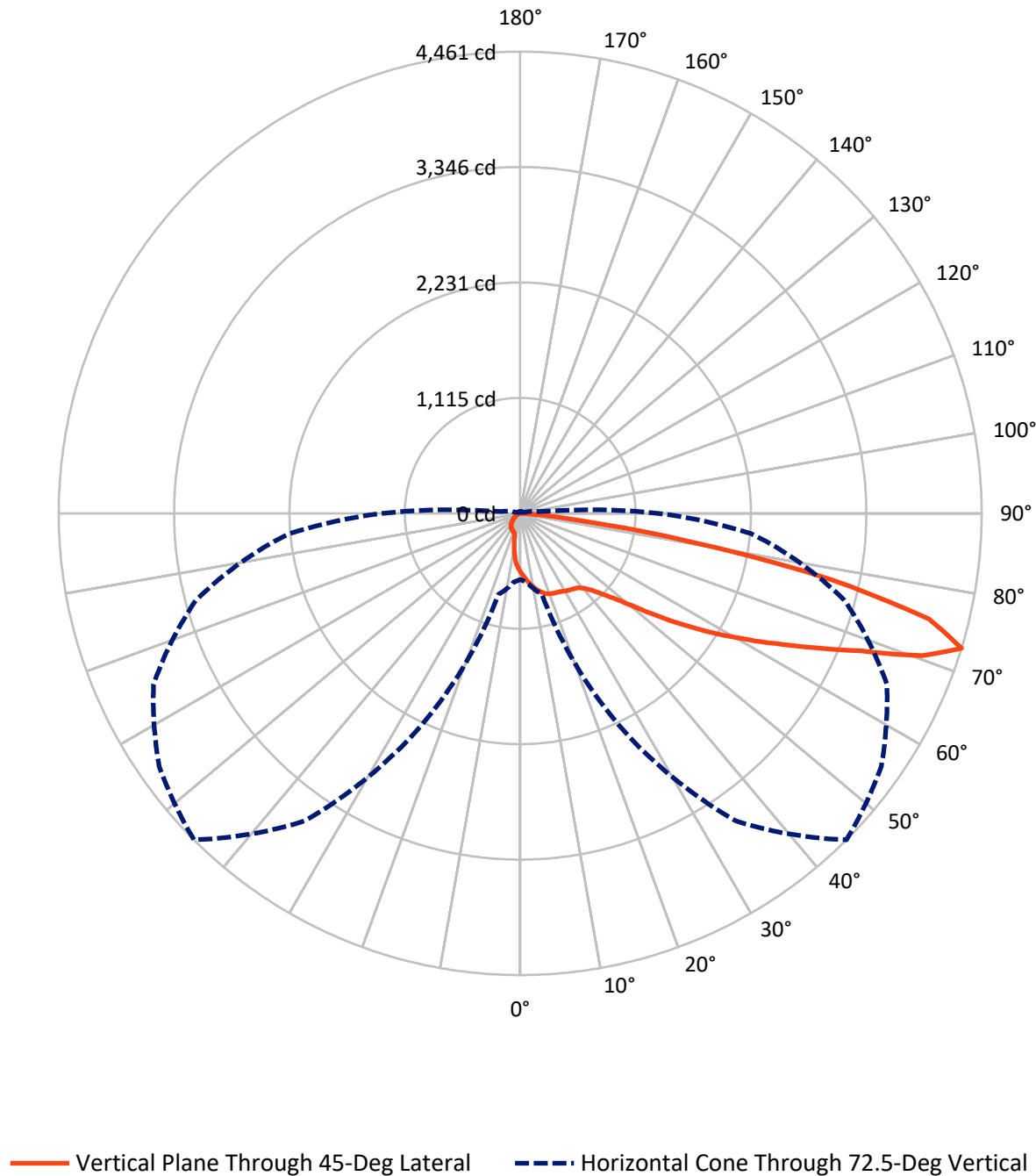


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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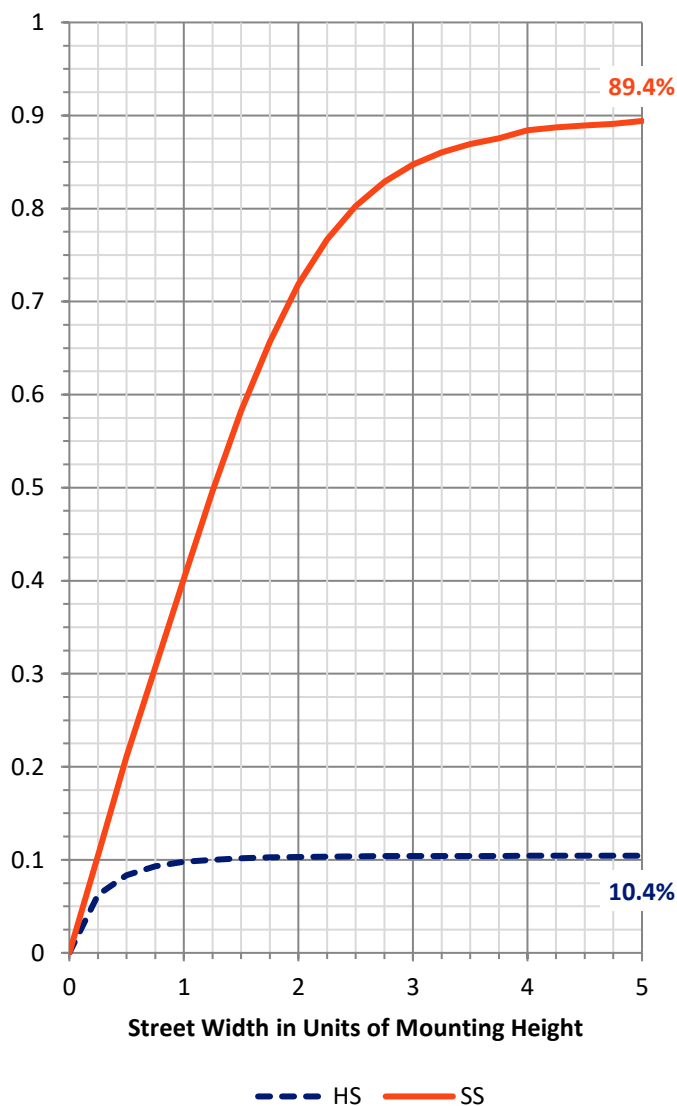
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 544.8    | 0.0    | 544.8  |
|                    | % Fixture | 10.5     | 0.0    | 10.5   |
| <b>Street Side</b> | Lumens    | 4640.2   | 0.0    | 4640.2 |
|                    | % Fixture | 89.5     | 0.0    | 89.5   |
| <b>Total</b>       | Lumens    | 5185.0   | 0.0    | 5185.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 53.5   | 1.0       |
| 10°-20°   | 156.4  | 3.0       |
| 20°-30°   | 256.9  | 5.0       |
| 30°-40°   | 364.3  | 7.0       |
| 40°-50°   | 602.1  | 11.6      |
| 50°-60°   | 1081.7 | 20.9      |
| 60°-70°   | 1501.9 | 29.0      |
| 70°-80°   | 1089.5 | 21.0      |
| 80°-90°   | 78.8   | 1.5       |
| 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°    | 5185.0 | 100.0     |
| 0°-180°   | 5185.0 | 100.0     |

**Coefficient of Utilization**



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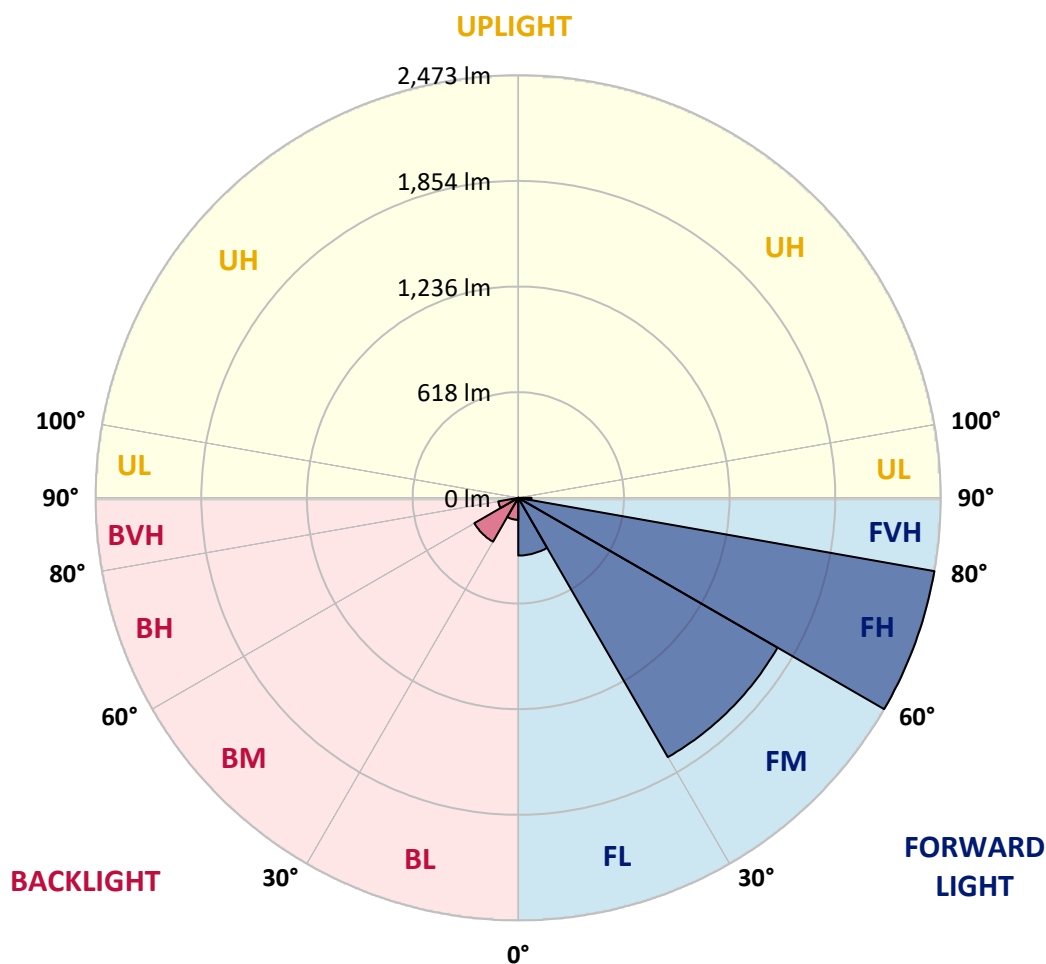
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 337.7  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 1751.8 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 2472.6 | 47.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 78.1   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 129.0  | 2.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 296.3  | 5.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 118.8  | 2.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 0.7    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 46°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 568.0  | 568.0  | 568.0  | 568.0  | 568.0  | 568.0  | 568.0  | 568.0  | 568.0  | 568.0  |
| 2.5°  | 620.4  | 621.5  | 620.8  | 616.5  | 609.4  | 605.5  | 603.4  | 596.3  | 591.7  | 583.6  |
| 5°    | 677.4  | 681.6  | 679.2  | 670.7  | 657.2  | 647.7  | 644.8  | 630.3  | 617.2  | 602.0  |
| 7.5°  | 737.9  | 740.0  | 735.4  | 724.5  | 706.4  | 690.1  | 687.6  | 667.5  | 646.6  | 623.2  |
| 10°   | 790.3  | 792.8  | 785.7  | 769.8  | 749.2  | 729.1  | 725.5  | 703.2  | 678.4  | 649.8  |
| 12.5° | 834.2  | 836.6  | 827.4  | 808.3  | 785.7  | 764.8  | 761.3  | 737.9  | 710.7  | 678.8  |
| 15°   | 867.4  | 872.0  | 859.7  | 839.1  | 814.7  | 793.8  | 792.1  | 769.0  | 742.5  | 707.1  |
| 17.5° | 886.9  | 891.5  | 879.8  | 855.0  | 834.2  | 816.5  | 814.4  | 795.2  | 770.5  | 736.5  |
| 20°   | 890.1  | 894.3  | 881.9  | 860.4  | 843.0  | 828.9  | 827.8  | 814.0  | 795.9  | 763.4  |
| 22.5° | 880.5  | 885.8  | 874.5  | 857.2  | 845.1  | 837.7  | 836.3  | 828.5  | 818.2  | 790.6  |
| 25°   | 870.6  | 874.9  | 866.4  | 851.2  | 844.8  | 844.1  | 845.1  | 843.7  | 841.6  | 818.2  |
| 27.5° | 869.9  | 874.5  | 865.0  | 850.4  | 846.9  | 854.3  | 855.4  | 862.1  | 863.9  | 843.4  |
| 30°   | 875.9  | 879.1  | 869.9  | 854.7  | 852.9  | 869.9  | 870.3  | 882.3  | 885.1  | 864.6  |
| 32.5° | 889.0  | 892.6  | 883.4  | 861.1  | 858.6  | 882.3  | 883.4  | 899.3  | 903.9  | 887.3  |
| 35°   | 919.8  | 924.1  | 913.4  | 878.8  | 869.9  | 894.0  | 897.2  | 915.9  | 925.1  | 911.3  |
| 37.5° | 996.6  | 984.2  | 969.7  | 914.5  | 895.7  | 912.4  | 917.7  | 939.6  | 955.9  | 940.0  |
| 40°   | 1187.4 | 1148.4 | 1103.1 | 975.4  | 941.1  | 951.7  | 955.9  | 977.9  | 1000.2 | 984.6  |
| 42.5° | 1473.7 | 1427.7 | 1354.8 | 1115.5 | 1009.4 | 1014.7 | 1017.8 | 1037.0 | 1068.5 | 1056.1 |
| 45°   | 1728.9 | 1712.2 | 1637.9 | 1354.8 | 1137.1 | 1110.9 | 1114.8 | 1124.7 | 1171.1 | 1166.5 |
| 47.5° | 1924.9 | 1915.4 | 1858.0 | 1629.4 | 1353.0 | 1228.8 | 1239.8 | 1244.4 | 1311.2 | 1327.5 |
| 50°   | 2075.7 | 2072.2 | 2020.8 | 1873.6 | 1635.1 | 1402.6 | 1406.4 | 1396.5 | 1496.7 | 1537.0 |
| 52.5° | 2218.0 | 2230.0 | 2192.1 | 2100.5 | 1936.2 | 1630.1 | 1629.4 | 1582.7 | 1717.9 | 1778.8 |
| 55°   | 2346.4 | 2350.7 | 2354.6 | 2331.9 | 2239.2 | 1889.2 | 1882.5 | 1806.0 | 1974.5 | 2037.5 |
| 57.5° | 2467.1 | 2468.9 | 2503.6 | 2549.9 | 2554.5 | 2167.4 | 2155.0 | 2063.3 | 2254.8 | 2299.7 |
| 60°   | 2548.2 | 2556.3 | 2629.6 | 2758.4 | 2814.7 | 2454.4 | 2447.7 | 2354.2 | 2540.0 | 2560.9 |
| 62.5° | 2431.4 | 2480.9 | 2665.7 | 2921.2 | 3060.3 | 2772.5 | 2769.4 | 2681.6 | 2840.1 | 2823.2 |
| 65°   | 1968.1 | 2052.0 | 2376.9 | 3031.3 | 3301.3 | 3127.9 | 3132.5 | 3039.0 | 3148.4 | 3093.2 |
| 67.5° | 1376.7 | 1465.2 | 1849.5 | 3040.1 | 3570.6 | 3545.1 | 3571.7 | 3425.2 | 3475.8 | 3351.9 |
| 70°   | 952.0  | 997.7  | 1247.9 | 2849.7 | 3780.5 | 4119.9 | 4119.2 | 3899.4 | 3801.4 | 3469.7 |
| 72.5° | 640.2  | 663.9  | 810.5  | 2260.8 | 3626.2 | 4461.4 | 4440.9 | 4261.8 | 3911.1 | 3245.0 |
| 75°   | 270.0  | 287.4  | 375.1  | 1270.5 | 2868.8 | 4081.7 | 4026.1 | 3766.3 | 3475.1 | 2555.2 |
| 77.5° | 85.6   | 93.1   | 147.9  | 454.8  | 1580.2 | 3068.1 | 3009.3 | 2352.1 | 2329.1 | 1281.9 |
| 80°   | 40.7   | 47.4   | 83.2   | 182.6  | 621.8  | 1668.7 | 1660.6 | 1067.0 | 1001.9 | 346.1  |
| 82.5° | 17.7   | 20.9   | 46.0   | 97.7   | 278.2  | 595.3  | 607.3  | 363.1  | 300.5  | 131.3  |
| 85°   | 5.7    | 7.4    | 21.2   | 44.9   | 117.5  | 147.9  | 146.2  | 86.4   | 121.0  | 71.5   |
| 87.5° | 0.0    | 0.0    | 7.1    | 10.3   | 12.0   | 8.5    | 9.6    | 7.4    | 33.6   | 19.8   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 568.0  | 0°    | 568.0  | 568.0  | 568.0 | 568.0 | 568.0 | 568.0 | 568.0 | 568.0 | 568.0 | 568.0 |
| 575.1  | 2.5°  | 570.9  | 565.2  | 555.3 | 546.1 | 537.9 | 529.8 | 524.9 | 517.8 | 517.1 | 517.1 |
| 584.3  | 5°    | 574.8  | 565.6  | 547.9 | 529.1 | 507.5 | 487.0 | 466.5 | 446.6 | 440.3 | 435.7 |
| 599.2  | 7.5°  | 586.1  | 571.6  | 543.6 | 507.9 | 466.8 | 421.9 | 390.4 | 356.4 | 343.3 | 336.2 |
| 619.0  | 10°   | 602.4  | 582.5  | 540.1 | 477.4 | 410.9 | 349.7 | 304.7 | 267.9 | 253.8 | 247.7 |
| 640.6  | 12.5° | 620.4  | 596.0  | 533.7 | 439.6 | 349.7 | 276.4 | 232.5 | 215.5 | 213.4 | 213.4 |
| 666.4  | 15°   | 642.0  | 612.3  | 522.7 | 395.0 | 285.6 | 218.7 | 203.1 | 203.9 | 206.0 | 207.4 |
| 691.5  | 17.5° | 664.3  | 629.6  | 505.4 | 345.1 | 229.0 | 196.8 | 197.1 | 198.2 | 200.0 | 201.4 |
| 718.8  | 20°   | 688.4  | 647.0  | 482.4 | 292.0 | 196.4 | 190.4 | 191.5 | 192.5 | 193.9 | 194.7 |
| 744.3  | 22.5° | 714.2  | 663.2  | 455.1 | 240.0 | 185.4 | 185.1 | 185.4 | 186.5 | 188.3 | 188.3 |
| 774.0  | 25°   | 741.8  | 681.3  | 424.0 | 202.1 | 179.8 | 179.8 | 180.5 | 181.2 | 182.6 | 182.6 |
| 802.7  | 27.5° | 770.1  | 697.9  | 391.1 | 182.3 | 174.8 | 174.5 | 174.5 | 175.5 | 176.2 | 176.6 |
| 831.0  | 30°   | 801.3  | 717.4  | 358.2 | 178.0 | 170.9 | 169.2 | 168.1 | 168.8 | 169.5 | 169.9 |
| 860.7  | 32.5° | 833.1  | 736.1  | 328.8 | 179.8 | 167.0 | 163.9 | 160.3 | 159.6 | 159.6 | 161.0 |
| 891.5  | 35°   | 868.5  | 756.7  | 306.1 | 185.8 | 164.9 | 156.1 | 150.4 | 147.2 | 147.6 | 149.7 |
| 928.3  | 37.5° | 911.0  | 781.4  | 289.5 | 191.1 | 163.5 | 147.2 | 138.0 | 134.1 | 131.7 | 134.1 |
| 978.9  | 40°   | 966.5  | 817.9  | 277.5 | 195.4 | 161.7 | 137.0 | 124.6 | 118.2 | 113.6 | 115.0 |
| 1057.5 | 42.5° | 1048.3 | 875.2  | 272.9 | 195.7 | 157.8 | 124.9 | 110.8 | 102.3 | 95.6  | 95.9  |
| 1175.7 | 45°   | 1163.0 | 965.8  | 296.6 | 191.1 | 149.4 | 111.8 | 96.3  | 84.9  | 80.7  | 79.6  |
| 1352.3 | 47.5° | 1320.1 | 1097.8 | 351.4 | 181.6 | 137.0 | 99.1  | 82.1  | 72.6  | 69.4  | 67.6  |
| 1584.1 | 50°   | 1530.7 | 1267.4 | 412.3 | 170.9 | 124.6 | 87.1  | 70.4  | 64.4  | 62.3  | 60.5  |
| 1859.1 | 52.5° | 1774.9 | 1439.4 | 462.2 | 160.3 | 112.2 | 76.4  | 63.0  | 59.5  | 57.7  | 56.3  |
| 2124.5 | 55°   | 1998.9 | 1557.9 | 459.4 | 149.0 | 100.2 | 68.0  | 57.7  | 55.6  | 53.4  | 52.0  |
| 2353.2 | 57.5° | 2138.3 | 1574.6 | 378.7 | 136.6 | 86.4  | 61.2  | 52.7  | 51.3  | 48.8  | 47.1  |
| 2551.0 | 60°   | 2202.4 | 1479.7 | 265.4 | 120.3 | 72.6  | 54.9  | 47.4  | 46.7  | 43.5  | 41.1  |
| 2738.2 | 62.5° | 2214.1 | 1303.5 | 177.0 | 100.2 | 60.5  | 48.8  | 42.1  | 41.1  | 36.8  | 32.6  |
| 2890.4 | 65°   | 2166.6 | 1051.5 | 122.5 | 78.2  | 51.7  | 42.5  | 36.1  | 34.0  | 29.4  | 25.1  |
| 2926.5 | 67.5° | 2016.6 | 738.3  | 85.3  | 56.3  | 43.9  | 33.6  | 28.7  | 28.0  | 24.4  | 20.9  |
| 2742.5 | 70°   | 1741.6 | 420.8  | 57.0  | 42.1  | 34.7  | 23.0  | 22.7  | 23.4  | 19.8  | 17.0  |
| 2240.6 | 72.5° | 1335.3 | 192.5  | 35.4  | 30.8  | 23.7  | 15.6  | 18.0  | 18.4  | 15.2  | 12.7  |
| 1397.9 | 75°   | 786.0  | 82.5   | 22.3  | 19.8  | 12.0  | 10.3  | 13.1  | 13.4  | 10.3  | 8.1   |
| 511.0  | 77.5° | 267.6  | 31.1   | 14.2  | 11.7  | 6.0   | 5.7   | 8.5   | 8.5   | 5.7   | 3.2   |
| 102.6  | 80°   | 60.9   | 11.7   | 7.1   | 4.6   | 2.8   | 2.5   | 2.8   | 2.5   | 1.4   | 0.4   |
| 31.5   | 82.5° | 17.3   | 4.6    | 2.8   | 1.8   | 1.1   | 1.1   | 0.4   | 0.0   | 0.0   | 0.0   |
| 11.0   | 85°   | 5.0    | 2.1    | 0.7   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 3.9    | 87.5° | 2.1    | 0.4    | 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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| 180°  |
|-------|
| 568.0 |
| 518.8 |
| 437.8 |
| 337.3 |
| 247.7 |
| 213.4 |
| 207.4 |
| 201.4 |
| 195.0 |
| 189.0 |
| 183.0 |
| 177.0 |
| 170.6 |
| 162.1 |
| 150.8 |
| 133.4 |
| 114.3 |
| 94.5  |
| 78.2  |
| 66.5  |
| 60.2  |
| 55.9  |
| 51.3  |
| 46.7  |
| 40.3  |
| 30.4  |
| 23.7  |
| 19.8  |
| 15.6  |
| 11.3  |
| 7.1   |
| 2.5   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |