

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: P938904

Luminaire Tested: **GLAN-SB1B-730-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P938904  
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-SB1B-730-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH  
HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4113 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 39.8  
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

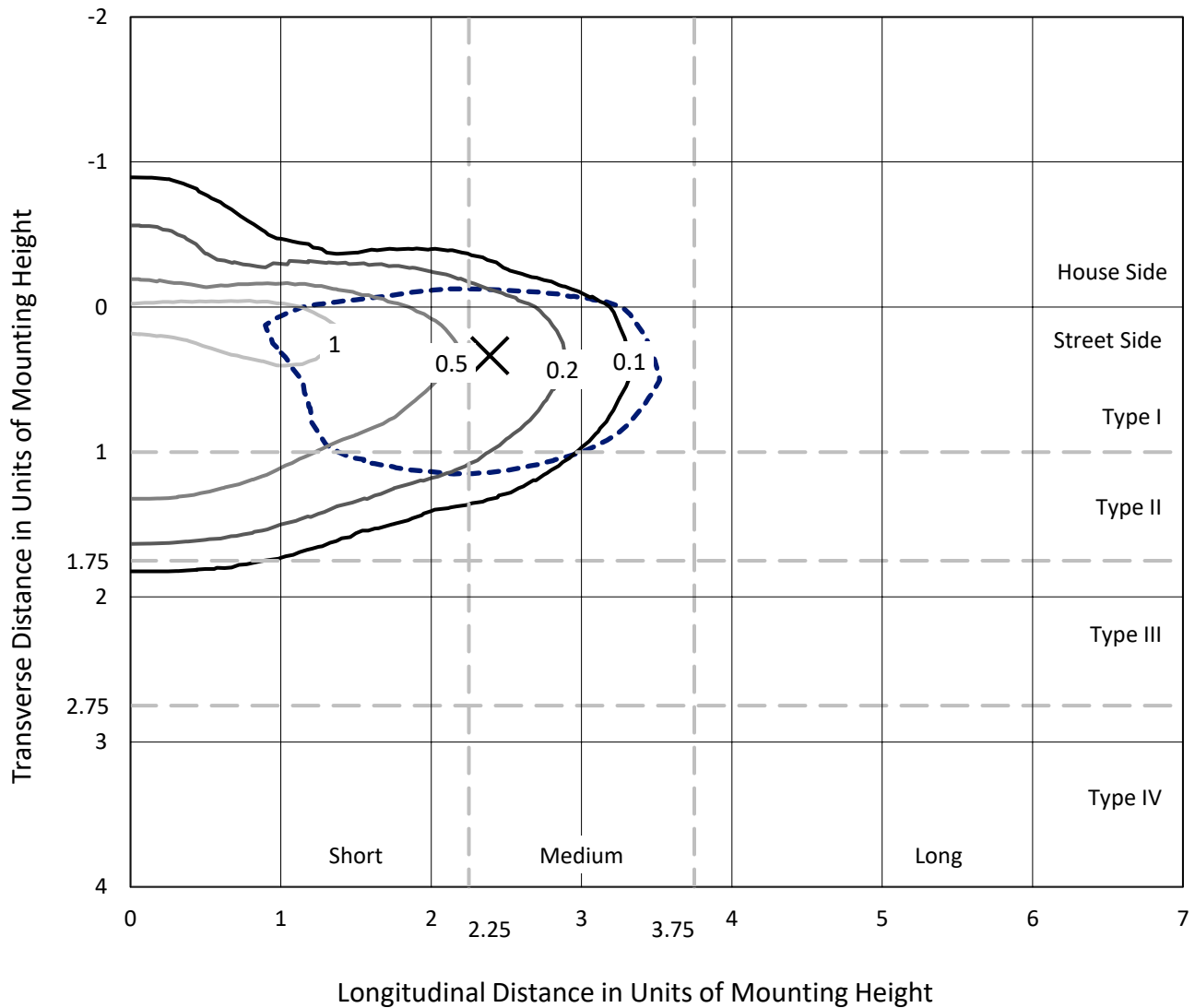


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

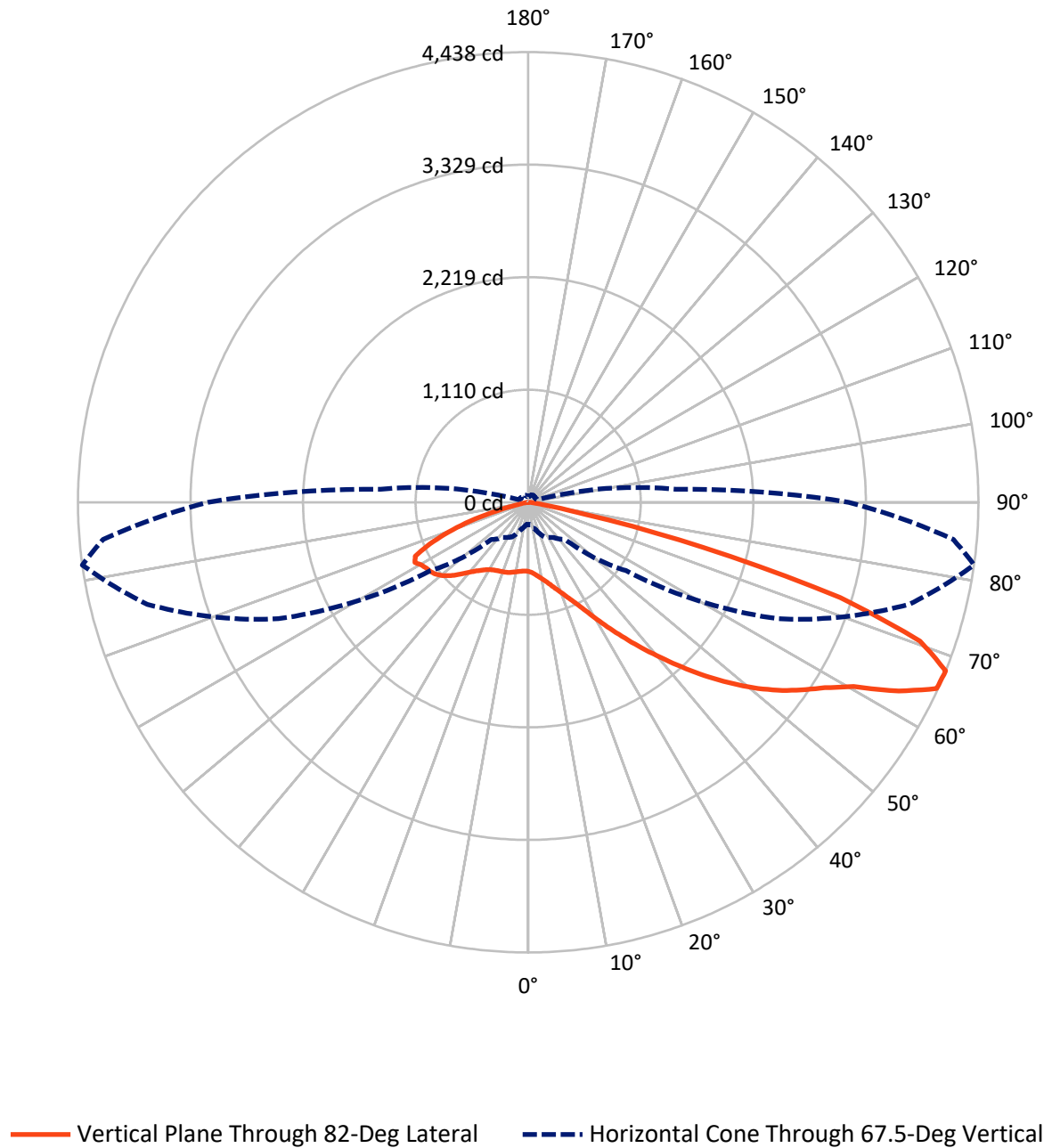


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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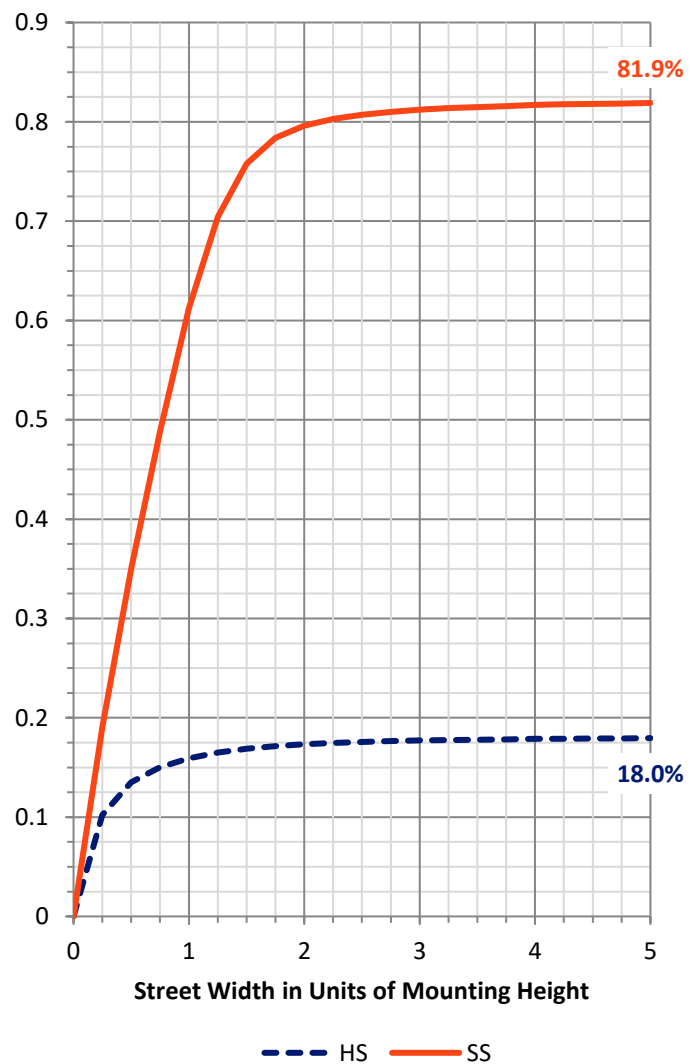
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 745.0    | 0.0    | 745.0  |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 3368.0   | 0.0    | 3368.0 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 4113.0   | 0.0    | 4113.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.7   | 1.5       |
| 10°-20°   | 157.8  | 3.8       |
| 20°-30°   | 252.7  | 6.1       |
| 30°-40°   | 446.8  | 10.9      |
| 40°-50°   | 782.8  | 19.0      |
| 50°-60°   | 1044.1 | 25.4      |
| 60°-70°   | 972.0  | 23.6      |
| 70°-80°   | 373.1  | 9.1       |
| 80°-90°   | 23.2   | 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°    | 4113.0 | 100.0     |
| 0°-180°   | 4113.0 | 100.0     |

**Coefficient of Utilization**



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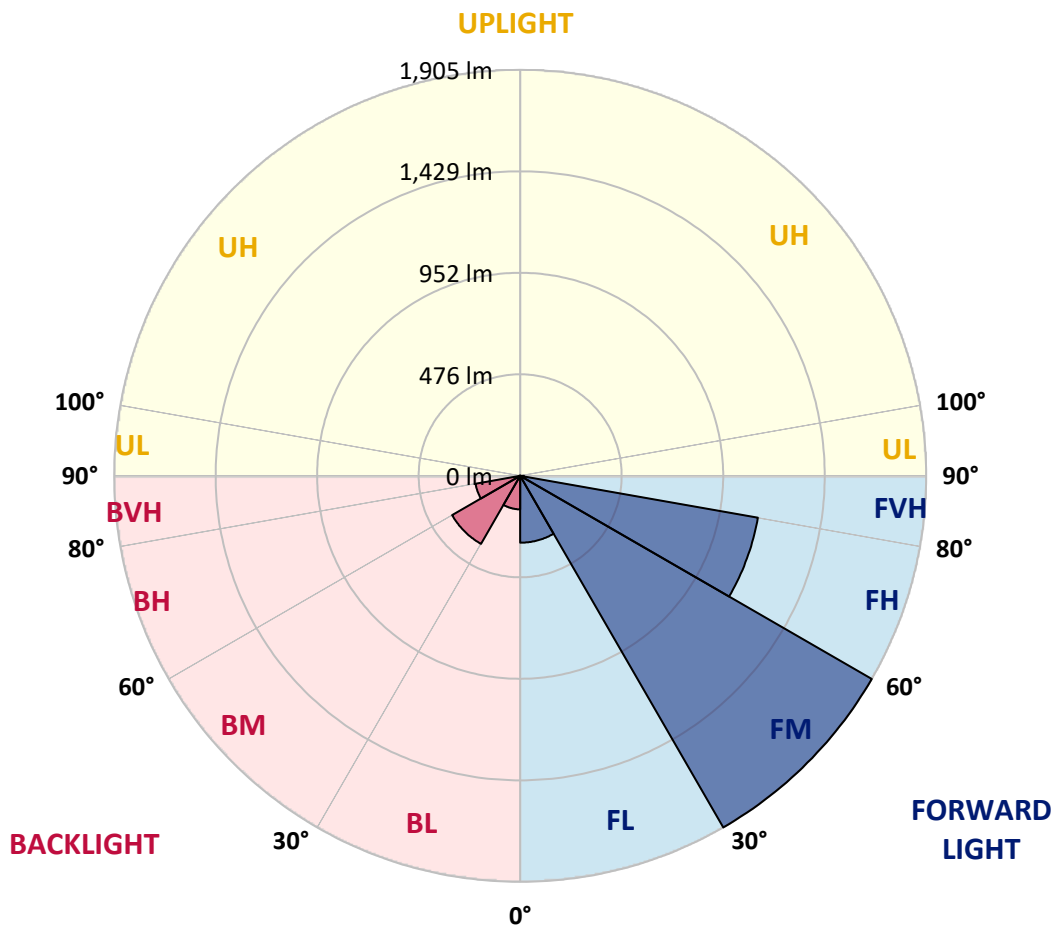
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 313.8  | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 1905.0 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 1132.4 | 27.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 16.8   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 157.3  | 3.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 368.7  | 9.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 212.7  | 5.2       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 6.3    | 0.2       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 681.4  | 681.4  | 681.4  | 681.4  | 681.4  | 681.4  | 681.4  | 681.4  | 681.4  | 681.4  |
| 2.5°  | 720.2  | 724.3  | 722.0  | 720.8  | 718.7  | 715.7  | 713.4  | 706.0  | 698.3  | 693.2  |
| 5°    | 734.7  | 738.8  | 738.5  | 739.7  | 741.2  | 742.1  | 741.5  | 733.2  | 722.3  | 713.7  |
| 7.5°  | 722.3  | 727.0  | 730.8  | 736.8  | 747.1  | 758.1  | 763.4  | 761.6  | 750.4  | 738.5  |
| 10°   | 687.0  | 692.0  | 701.2  | 715.1  | 737.1  | 760.7  | 780.6  | 789.8  | 782.7  | 769.6  |
| 12.5° | 622.5  | 627.5  | 645.6  | 675.8  | 712.5  | 753.6  | 791.5  | 816.1  | 817.9  | 804.9  |
| 15°   | 549.9  | 554.9  | 574.2  | 612.1  | 668.1  | 734.1  | 797.5  | 844.0  | 859.7  | 848.4  |
| 17.5° | 504.9  | 509.3  | 523.8  | 554.3  | 612.7  | 695.0  | 795.4  | 873.6  | 909.4  | 900.5  |
| 20°   | 491.3  | 495.1  | 501.9  | 523.3  | 571.8  | 654.4  | 781.8  | 901.4  | 963.0  | 958.0  |
| 22.5° | 505.8  | 509.3  | 511.4  | 520.9  | 551.4  | 627.8  | 764.6  | 929.8  | 1025.2 | 1025.8 |
| 25°   | 539.2  | 542.8  | 540.4  | 546.4  | 559.7  | 619.5  | 758.1  | 963.3  | 1103.4 | 1109.9 |
| 27.5° | 594.3  | 594.6  | 589.0  | 588.7  | 590.8  | 631.9  | 764.9  | 999.1  | 1202.0 | 1214.1 |
| 30°   | 704.8  | 700.3  | 678.7  | 655.3  | 644.7  | 669.2  | 783.8  | 1041.5 | 1318.4 | 1340.0 |
| 32.5° | 875.1  | 868.5  | 828.9  | 772.9  | 716.6  | 729.4  | 817.9  | 1089.7 | 1445.1 | 1484.2 |
| 35°   | 1059.8 | 1058.1 | 1016.6 | 933.4  | 835.1  | 814.9  | 873.3  | 1153.1 | 1583.4 | 1645.6 |
| 37.5° | 1231.6 | 1230.7 | 1207.0 | 1109.0 | 989.4  | 934.3  | 962.1  | 1236.0 | 1731.4 | 1821.5 |
| 40°   | 1388.5 | 1391.2 | 1367.5 | 1279.9 | 1159.3 | 1087.4 | 1082.9 | 1338.5 | 1896.1 | 2013.1 |
| 42.5° | 1524.2 | 1527.1 | 1503.1 | 1438.3 | 1327.2 | 1256.8 | 1231.3 | 1464.0 | 2056.9 | 2218.9 |
| 45°   | 1616.3 | 1634.6 | 1631.1 | 1579.2 | 1499.6 | 1426.4 | 1409.6 | 1621.6 | 2240.2 | 2437.1 |
| 47.5° | 1642.3 | 1659.2 | 1685.8 | 1692.9 | 1644.4 | 1572.4 | 1592.6 | 1811.4 | 2425.6 | 2655.7 |
| 50°   | 1578.1 | 1593.7 | 1649.1 | 1722.9 | 1756.6 | 1734.4 | 1770.5 | 2014.8 | 2615.4 | 2873.6 |
| 52.5° | 1451.3 | 1467.3 | 1537.2 | 1653.9 | 1791.6 | 1861.4 | 1949.1 | 2215.3 | 2799.3 | 3080.0 |
| 55°   | 1268.0 | 1284.9 | 1374.6 | 1506.7 | 1724.9 | 1913.9 | 2098.0 | 2415.5 | 2967.8 | 3265.7 |
| 57.5° | 1018.7 | 1031.1 | 1124.4 | 1309.2 | 1557.3 | 1861.7 | 2207.9 | 2634.0 | 3126.5 | 3448.1 |
| 60°   | 663.9  | 674.9  | 783.3  | 989.4  | 1279.6 | 1687.6 | 2229.8 | 2877.7 | 3337.3 | 3685.3 |
| 62.5° | 441.5  | 448.9  | 513.2  | 664.5  | 901.1  | 1353.3 | 2101.6 | 3072.3 | 3646.5 | 4098.1 |
| 65°   | 302.9  | 310.3  | 374.6  | 480.0  | 582.2  | 895.2  | 1732.9 | 3046.5 | 3926.6 | 4425.9 |
| 67.5° | 216.2  | 222.4  | 276.9  | 376.4  | 421.4  | 520.0  | 1174.7 | 2717.2 | 3886.4 | 4438.3 |
| 70°   | 154.9  | 158.4  | 203.4  | 293.2  | 334.9  | 312.4  | 653.3  | 2078.2 | 3402.8 | 4098.4 |
| 72.5° | 108.4  | 109.6  | 141.3  | 223.3  | 269.8  | 228.0  | 310.9  | 1385.6 | 2573.6 | 3216.8 |
| 75°   | 73.4   | 74.9   | 95.1   | 163.8  | 216.5  | 174.1  | 164.6  | 743.0  | 1510.8 | 1780.6 |
| 77.5° | 45.0   | 45.6   | 61.3   | 111.9  | 162.0  | 132.7  | 106.0  | 314.8  | 584.6  | 573.9  |
| 80°   | 25.5   | 25.5   | 39.1   | 69.6   | 110.5  | 85.6   | 74.3   | 133.8  | 185.1  | 162.6  |
| 82.5° | 14.2   | 14.5   | 28.4   | 43.2   | 73.1   | 50.6   | 40.9   | 61.9   | 80.0   | 70.8   |
| 85°   | 5.9    | 6.5    | 17.5   | 20.4   | 34.9   | 25.2   | 16.6   | 26.1   | 29.6   | 26.4   |
| 87.5° | 0.6    | 0.9    | 5.3    | 3.8    | 4.1    | 5.0    | 2.4    | 5.0    | 4.1    | 4.1    |
| 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):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 681.4  | 0°    | 681.4  | 681.4  | 681.4 | 681.4 | 681.4 | 681.4 | 681.4 | 681.4 | 681.4 | 681.4 |
| 691.5  | 2.5°  | 685.8  | 681.4  | 670.1 | 657.1 | 639.9 | 631.6 | 620.4 | 612.7 | 606.2 | 606.8 |
| 708.6  | 5°    | 699.2  | 687.9  | 662.7 | 631.3 | 592.3 | 564.4 | 534.8 | 514.4 | 497.8 | 494.2 |
| 732.3  | 7.5°  | 717.5  | 699.7  | 655.6 | 599.1 | 533.0 | 483.0 | 438.3 | 409.5 | 389.1 | 382.6 |
| 761.0  | 10°   | 741.2  | 715.4  | 646.4 | 558.5 | 463.4 | 399.8 | 351.8 | 329.3 | 315.4 | 310.6 |
| 794.8  | 12.5° | 768.7  | 733.5  | 634.3 | 509.0 | 391.8 | 330.5 | 300.0 | 288.7 | 284.3 | 282.8 |
| 836.3  | 15°   | 803.4  | 756.0  | 615.9 | 450.4 | 331.1 | 288.1 | 275.1 | 273.6 | 274.2 | 273.6 |
| 886.0  | 17.5° | 844.6  | 780.6  | 586.0 | 390.0 | 290.2 | 266.5 | 261.8 | 263.0 | 264.4 | 264.1 |
| 941.7  | 20°   | 889.6  | 804.9  | 547.8 | 336.4 | 262.4 | 251.1 | 248.4 | 249.6 | 250.8 | 250.2 |
| 1005.9 | 22.5° | 940.8  | 830.9  | 505.5 | 294.6 | 243.7 | 236.9 | 233.9 | 234.2 | 234.2 | 233.1 |
| 1087.4 | 25°   | 1002.1 | 859.7  | 461.1 | 265.0 | 229.5 | 224.2 | 220.6 | 219.4 | 217.7 | 214.1 |
| 1186.3 | 27.5° | 1075.2 | 890.2  | 418.4 | 244.3 | 218.2 | 213.2 | 209.1 | 206.1 | 201.7 | 195.7 |
| 1305.0 | 30°   | 1157.6 | 927.2  | 382.3 | 231.3 | 209.4 | 204.3 | 199.6 | 195.1 | 188.6 | 181.2 |
| 1441.5 | 32.5° | 1254.4 | 966.8  | 355.9 | 222.7 | 201.4 | 196.0 | 190.4 | 185.1 | 178.0 | 170.6 |
| 1594.9 | 35°   | 1369.9 | 1014.8 | 340.5 | 216.8 | 195.1 | 188.0 | 181.8 | 175.9 | 170.6 | 164.1 |
| 1761.7 | 37.5° | 1495.1 | 1065.8 | 335.8 | 213.8 | 191.0 | 180.0 | 172.9 | 168.8 | 168.2 | 164.3 |
| 1942.0 | 40°   | 1632.2 | 1126.2 | 339.4 | 212.0 | 186.6 | 172.3 | 164.6 | 163.8 | 165.2 | 158.4 |
| 2134.8 | 42.5° | 1777.3 | 1197.8 | 345.3 | 210.0 | 180.3 | 164.6 | 157.2 | 157.2 | 156.1 | 146.6 |
| 2338.5 | 45°   | 1934.3 | 1280.4 | 351.2 | 204.9 | 172.9 | 156.9 | 151.3 | 149.2 | 144.2 | 135.0 |
| 2543.4 | 47.5° | 2092.4 | 1364.5 | 355.6 | 195.7 | 164.1 | 150.4 | 145.4 | 140.7 | 133.3 | 125.0 |
| 2744.5 | 50°   | 2242.6 | 1440.1 | 350.9 | 182.1 | 154.0 | 144.2 | 138.9 | 132.4 | 124.4 | 118.7 |
| 2934.9 | 52.5° | 2376.7 | 1505.5 | 330.8 | 166.1 | 143.3 | 137.7 | 133.0 | 126.1 | 119.6 | 113.7 |
| 3106.7 | 55°   | 2493.4 | 1558.5 | 295.2 | 151.0 | 133.8 | 132.1 | 127.3 | 118.7 | 109.9 | 104.8 |
| 3276.9 | 57.5° | 2605.3 | 1598.8 | 250.8 | 138.6 | 125.3 | 125.9 | 118.7 | 111.0 | 102.8 | 97.4  |
| 3506.4 | 60°   | 2754.3 | 1652.7 | 205.8 | 127.0 | 116.1 | 117.9 | 110.2 | 104.5 | 94.2  | 87.4  |
| 3900.0 | 62.5° | 2992.3 | 1736.5 | 163.5 | 112.8 | 105.4 | 106.0 | 102.8 | 95.9  | 83.5  | 75.5  |
| 4191.7 | 65°   | 3181.3 | 1705.7 | 128.8 | 97.4  | 93.3  | 94.2  | 94.2  | 86.8  | 73.4  | 64.3  |
| 4207.4 | 67.5° | 3160.0 | 1460.5 | 102.8 | 82.3  | 81.7  | 82.3  | 84.4  | 78.2  | 65.1  | 57.7  |
| 3886.9 | 70°   | 2910.9 | 1161.7 | 82.3  | 68.4  | 71.1  | 69.6  | 75.5  | 71.4  | 58.6  | 51.2  |
| 3013.4 | 72.5° | 2375.2 | 836.9  | 62.8  | 56.6  | 54.5  | 56.9  | 68.1  | 64.3  | 48.9  | 40.6  |
| 1596.1 | 75°   | 1387.9 | 446.6  | 46.8  | 44.7  | 39.4  | 47.4  | 60.4  | 54.8  | 37.3  | 29.9  |
| 489.2  | 77.5° | 451.9  | 155.8  | 34.4  | 32.9  | 29.3  | 38.2  | 51.5  | 46.2  | 30.5  | 23.7  |
| 143.3  | 80°   | 121.1  | 47.1   | 23.4  | 21.6  | 19.0  | 28.4  | 40.9  | 36.7  | 21.9  | 15.4  |
| 61.6   | 82.5° | 48.6   | 19.8   | 13.6  | 12.1  | 10.4  | 19.5  | 32.3  | 29.6  | 16.3  | 9.8   |
| 19.2   | 85°   | 15.7   | 6.5    | 5.0   | 3.8   | 4.7   | 12.1  | 19.2  | 20.1  | 11.5  | 5.0   |
| 3.0    | 87.5° | 2.1    | 0.9    | 0.9   | 1.2   | 0.9   | 2.1   | 5.9   | 5.6   | 3.3   | 0.6   |
| 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°  |
|-------|
| 681.4 |
| 600.8 |
| 486.2 |
| 376.1 |
| 307.1 |
| 281.9 |
| 273.3 |
| 263.6 |
| 249.9 |
| 232.5 |
| 213.5 |
| 195.1 |
| 180.6 |
| 170.9 |
| 163.5 |
| 164.1 |
| 158.7 |
| 146.6 |
| 134.7 |
| 124.7 |
| 117.9 |
| 113.1 |
| 104.2 |
| 96.8  |
| 86.5  |
| 74.9  |
| 63.4  |
| 56.6  |
| 50.3  |
| 39.7  |
| 29.0  |
| 22.8  |
| 15.1  |
| 9.8   |
| 3.8   |
| 0.0   |
| 0.0   |

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