

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: P944906

Luminaire Tested: **GLAN-SB1A-735-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944906  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-735-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3799 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 30.9  
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



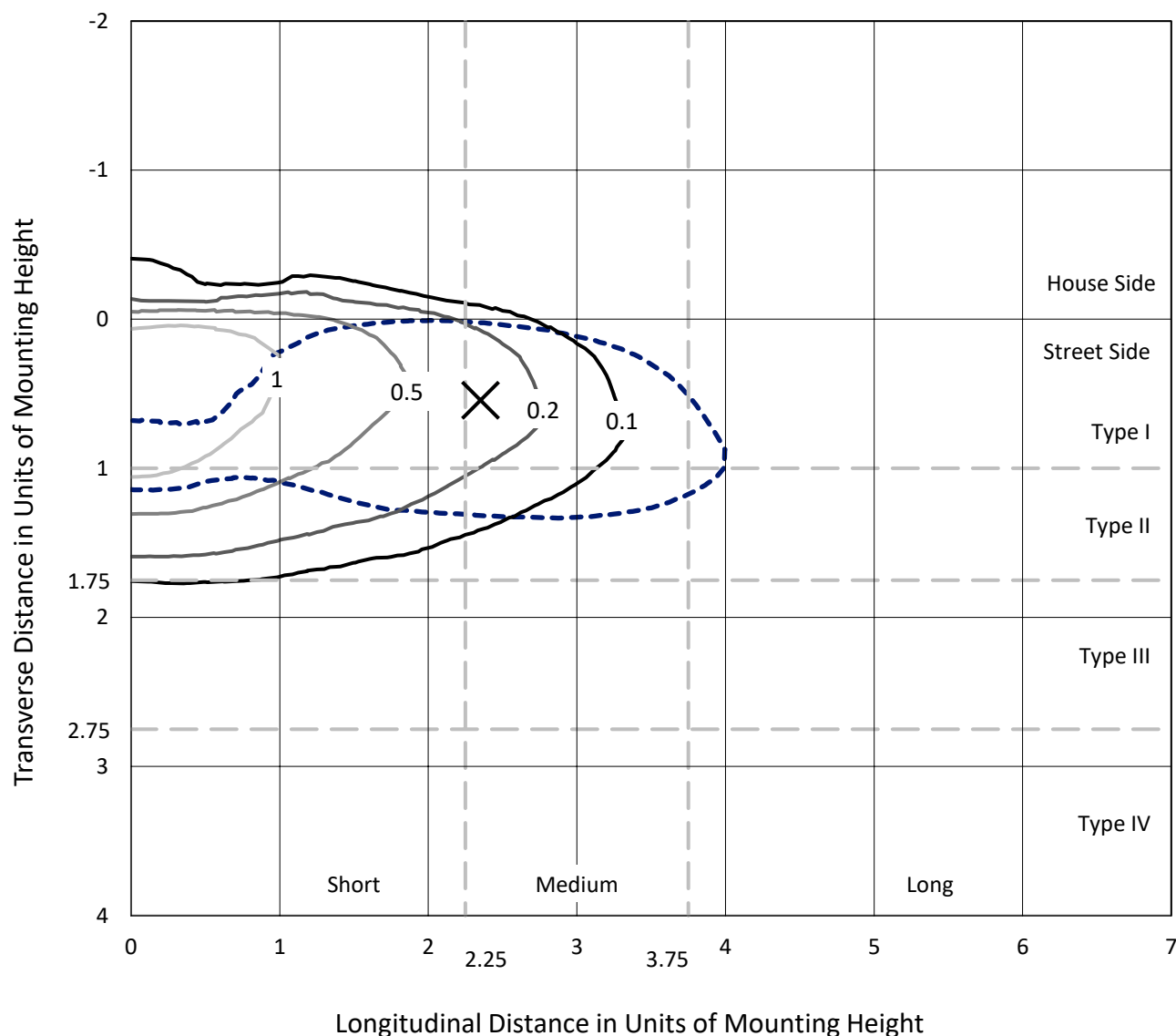
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

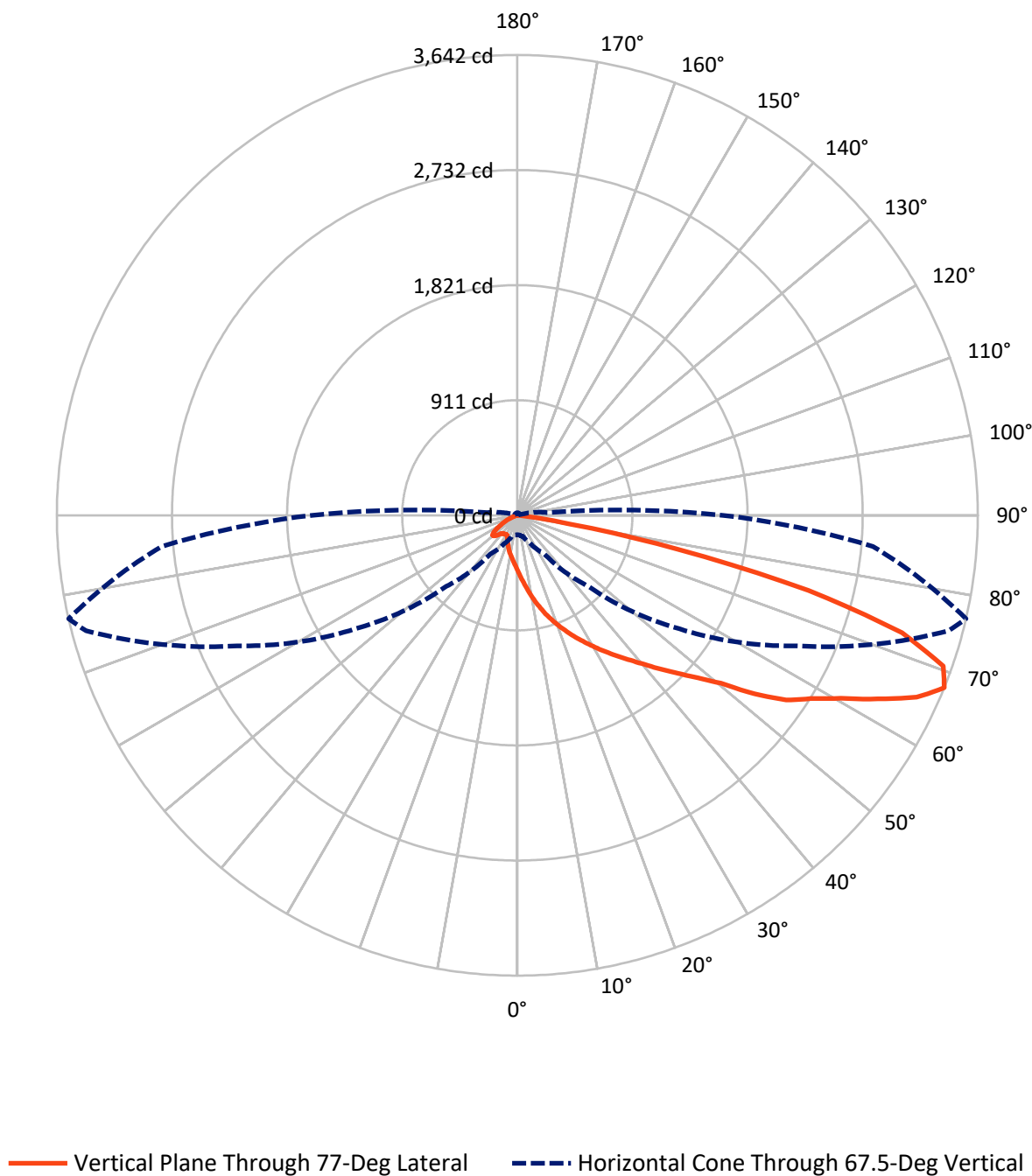
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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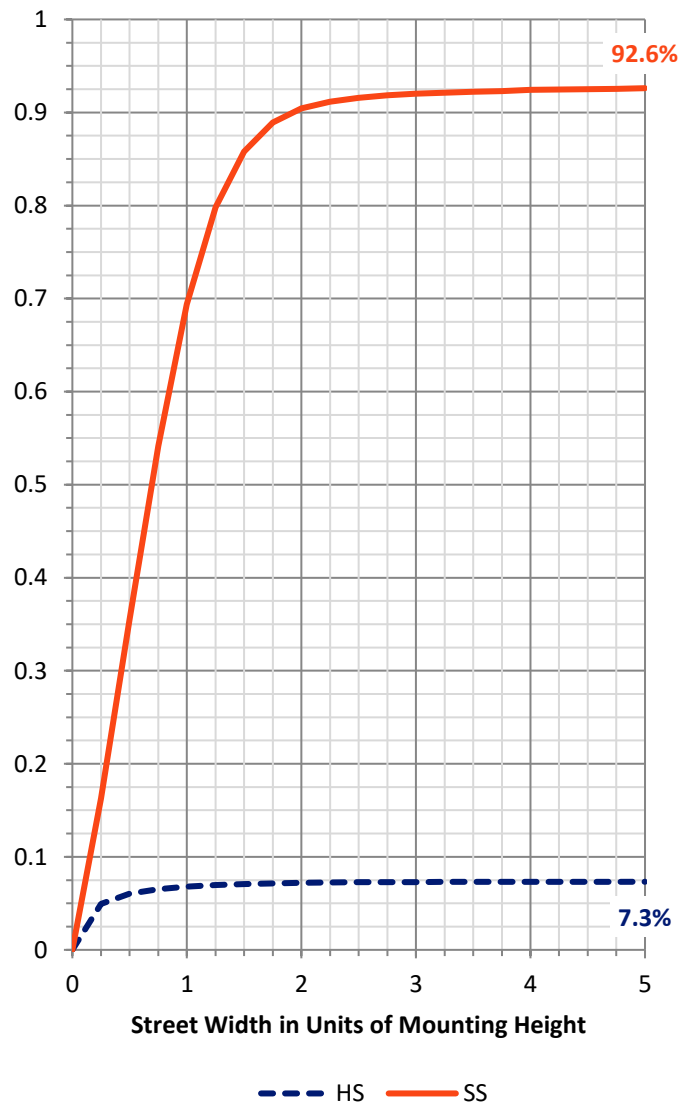
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 279.5    | 0.0    | 279.5  |
|                    | % Fixture | 7.4      | 0.0    | 7.4    |
| <b>Street Side</b> | Lumens    | 3519.5   | 0.0    | 3519.5 |
|                    | % Fixture | 92.6     | 0.0    | 92.6   |
| <b>Total</b>       | Lumens    | 3799.0   | 0.0    | 3799.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 44.7   | 1.2       |
| 10°-20°   | 156.6  | 4.1       |
| 20°-30°   | 302.2  | 8.0       |
| 30°-40°   | 524.6  | 13.8      |
| 40°-50°   | 761.6  | 20.0      |
| 50°-60°   | 874.6  | 23.0      |
| 60°-70°   | 759.4  | 20.0      |
| 70°-80°   | 357.7  | 9.4       |
| 80°-90°   | 17.7   | 0.5       |
| 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°    | 3799.0 | 100.0     |
| 0°-180°   | 3799.0 | 100.0     |

**Coefficient of Utilization**



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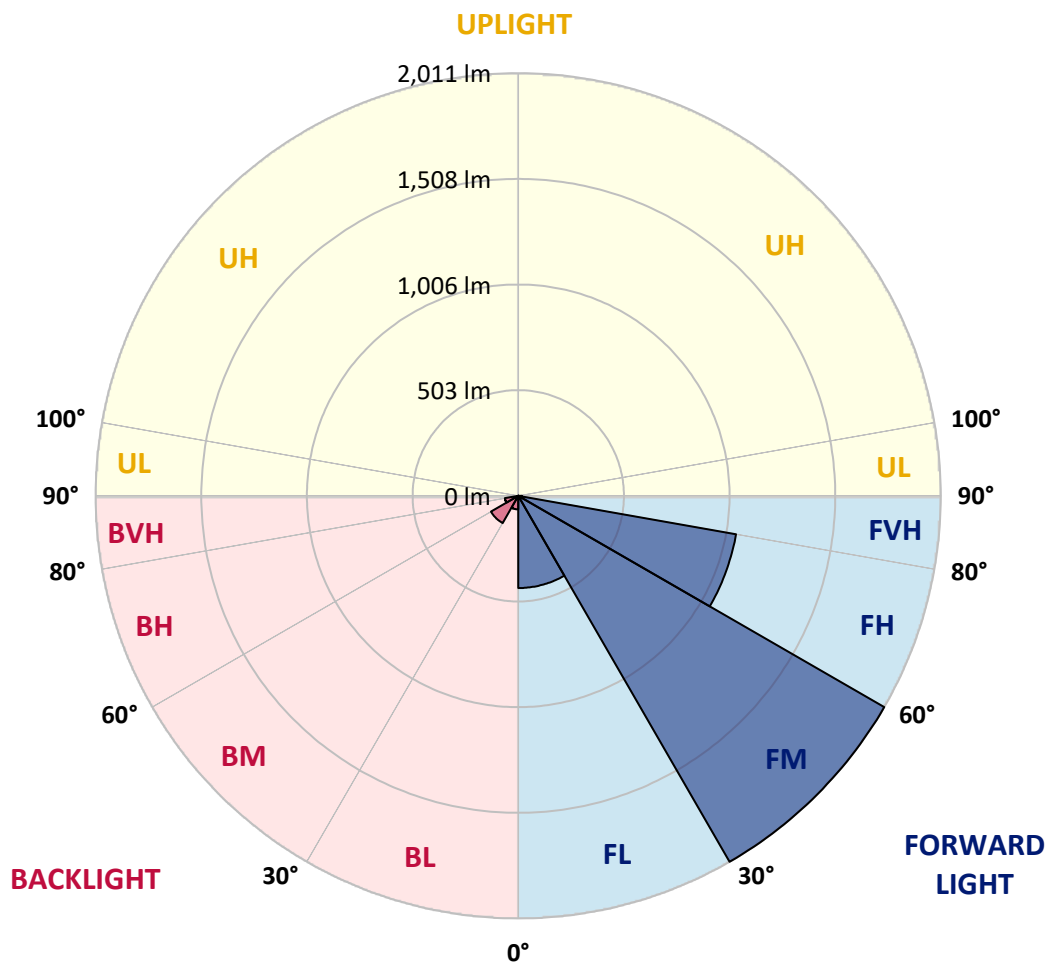
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 438.7  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 2011.1 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 1052.3 | 27.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 17.4   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 64.7   | 1.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 149.8  | 3.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 64.7   | 1.7       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.3    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 438.1  | 438.1  | 438.1  | 438.1  | 438.1  | 438.1  | 438.1  | 438.1  | 438.1  | 438.1  |
| 2.5°  | 606.5  | 610.3  | 604.9  | 594.5  | 578.9  | 568.8  | 544.0  | 520.6  | 494.7  | 486.4  |
| 5°    | 739.3  | 742.6  | 736.5  | 725.2  | 704.4  | 684.6  | 652.0  | 603.2  | 552.5  | 536.2  |
| 7.5°  | 837.7  | 839.6  | 837.2  | 826.9  | 807.0  | 784.6  | 748.3  | 690.5  | 615.2  | 597.3  |
| 10°   | 908.5  | 914.6  | 913.9  | 909.9  | 896.7  | 878.5  | 839.8  | 774.0  | 685.5  | 662.4  |
| 12.5° | 955.4  | 962.3  | 966.3  | 975.2  | 974.5  | 963.0  | 929.0  | 859.4  | 755.6  | 728.5  |
| 15°   | 969.1  | 976.4  | 991.8  | 1012.5 | 1030.9 | 1036.8 | 1013.0 | 943.2  | 832.8  | 798.1  |
| 17.5° | 961.3  | 972.6  | 991.0  | 1023.8 | 1064.2 | 1090.8 | 1088.2 | 1024.1 | 902.8  | 863.2  |
| 20°   | 978.5  | 989.4  | 1003.8 | 1031.4 | 1078.3 | 1126.7 | 1146.0 | 1101.5 | 972.4  | 930.9  |
| 22.5° | 1073.9 | 1072.0 | 1073.4 | 1077.9 | 1105.9 | 1153.8 | 1193.7 | 1171.8 | 1041.3 | 998.8  |
| 25°   | 1224.8 | 1216.3 | 1201.9 | 1177.7 | 1170.6 | 1193.7 | 1235.2 | 1234.0 | 1114.0 | 1068.4 |
| 27.5° | 1398.0 | 1396.6 | 1362.8 | 1304.3 | 1271.3 | 1262.3 | 1282.2 | 1294.7 | 1185.9 | 1137.3 |
| 30°   | 1563.8 | 1567.6 | 1522.1 | 1457.0 | 1396.3 | 1361.2 | 1343.3 | 1352.2 | 1259.0 | 1211.6 |
| 32.5° | 1708.2 | 1712.2 | 1662.7 | 1586.5 | 1511.5 | 1469.0 | 1431.3 | 1409.1 | 1338.8 | 1287.1 |
| 35°   | 1830.2 | 1834.2 | 1777.3 | 1693.1 | 1613.1 | 1574.7 | 1532.0 | 1471.4 | 1419.0 | 1370.9 |
| 37.5° | 1939.2 | 1938.0 | 1861.8 | 1776.9 | 1698.3 | 1667.9 | 1645.5 | 1548.0 | 1501.6 | 1455.1 |
| 40°   | 2003.6 | 2008.5 | 1943.4 | 1849.8 | 1773.6 | 1751.4 | 1750.0 | 1643.1 | 1596.9 | 1551.8 |
| 42.5° | 2022.4 | 2031.2 | 1984.0 | 1907.1 | 1838.0 | 1813.9 | 1850.9 | 1746.0 | 1707.7 | 1663.9 |
| 45°   | 1988.5 | 1997.0 | 1975.5 | 1922.2 | 1881.8 | 1866.3 | 1937.7 | 1852.6 | 1826.2 | 1782.8 |
| 47.5° | 1889.4 | 1900.0 | 1905.2 | 1893.9 | 1893.4 | 1909.2 | 2015.6 | 1964.9 | 1966.8 | 1922.4 |
| 50°   | 1697.6 | 1715.5 | 1763.2 | 1803.3 | 1865.3 | 1943.2 | 2091.3 | 2086.6 | 2125.3 | 2087.1 |
| 52.5° | 1348.9 | 1374.4 | 1538.6 | 1648.3 | 1787.7 | 1936.8 | 2174.6 | 2281.9 | 2403.4 | 2347.5 |
| 55°   | 1084.0 | 1084.0 | 1217.5 | 1422.8 | 1636.3 | 1894.8 | 2210.9 | 2408.9 | 2592.9 | 2579.7 |
| 57.5° | 883.7  | 894.3  | 979.5  | 1160.9 | 1417.1 | 1794.8 | 2233.3 | 2488.6 | 2745.5 | 2735.8 |
| 60°   | 545.4  | 568.3  | 729.2  | 908.2  | 1167.7 | 1616.7 | 2219.2 | 2569.3 | 2930.7 | 2938.5 |
| 62.5° | 307.2  | 315.6  | 387.4  | 653.5  | 908.0  | 1377.2 | 2110.9 | 2614.3 | 3167.5 | 3200.6 |
| 65°   | 212.1  | 216.3  | 243.9  | 406.7  | 629.4  | 1096.5 | 1899.3 | 2586.3 | 3404.9 | 3471.6 |
| 67.5° | 154.0  | 156.2  | 173.4  | 248.4  | 373.4  | 795.0  | 1567.6 | 2444.7 | 3530.6 | 3642.2 |
| 70°   | 118.4  | 119.8  | 132.3  | 163.2  | 220.6  | 490.7  | 1138.5 | 2163.3 | 3439.5 | 3572.8 |
| 72.5° | 96.3   | 97.7   | 107.3  | 120.8  | 146.3  | 290.2  | 690.0  | 1756.8 | 3037.5 | 3181.5 |
| 75°   | 81.2   | 83.0   | 91.8   | 100.5  | 114.7  | 186.4  | 323.7  | 1223.4 | 2284.3 | 2378.7 |
| 77.5° | 45.1   | 41.5   | 74.5   | 83.3   | 96.7   | 118.0  | 151.5  | 720.0  | 1279.3 | 1305.5 |
| 80°   | 28.1   | 29.0   | 59.2   | 67.0   | 74.3   | 59.4   | 69.4   | 277.2  | 443.5  | 421.3  |
| 82.5° | 1.7    | 3.8    | 45.5   | 48.4   | 51.0   | 25.5   | 26.2   | 94.1   | 106.9  | 98.1   |
| 85°   | 0.0    | 0.0    | 20.8   | 16.7   | 17.7   | 7.3    | 7.5    | 21.9   | 14.4   | 15.6   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.5    | 0.0    | 0.7    | 1.4    | 1.9    | 0.7    | 0.9    |
| 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°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 438.1  | 0°    | 438.1  | 438.1 | 438.1 | 438.1 | 438.1 | 438.1 | 438.1 | 438.1 | 438.1 | 438.1 |
| 460.5  | 2.5°  | 444.0  | 427.5 | 394.0 | 361.2 | 334.5 | 309.7 | 292.1 | 275.3 | 266.8 | 266.3 |
| 490.2  | 5°    | 457.4  | 422.7 | 355.7 | 296.5 | 248.9 | 210.7 | 185.9 | 168.2 | 159.2 | 156.2 |
| 526.8  | 7.5°  | 476.3  | 424.2 | 322.2 | 239.9 | 183.8 | 151.0 | 136.8 | 131.2 | 129.3 | 127.2 |
| 568.1  | 10°   | 500.1  | 427.5 | 292.3 | 193.2 | 144.8 | 128.3 | 122.7 | 120.3 | 118.9 | 117.5 |
| 614.5  | 12.5° | 526.8  | 430.5 | 262.6 | 160.4 | 127.4 | 118.9 | 114.9 | 112.1 | 110.2 | 108.5 |
| 662.2  | 15°   | 552.7  | 432.4 | 231.7 | 137.5 | 118.4 | 111.6 | 107.3 | 104.3 | 101.7 | 99.8  |
| 708.9  | 17.5° | 578.4  | 435.0 | 202.6 | 123.9 | 111.1 | 104.3 | 100.0 | 96.3  | 94.1  | 92.0  |
| 758.0  | 20°   | 607.0  | 434.5 | 175.3 | 114.2 | 103.8 | 97.0  | 92.5  | 88.9  | 86.8  | 84.5  |
| 809.9  | 22.5° | 633.4  | 432.2 | 151.2 | 105.9 | 96.3  | 89.6  | 84.7  | 81.2  | 79.0  | 77.1  |
| 863.0  | 25°   | 663.8  | 430.3 | 131.2 | 98.4  | 89.2  | 82.6  | 77.1  | 73.8  | 71.5  | 69.8  |
| 916.3  | 27.5° | 693.1  | 427.5 | 116.5 | 91.5  | 82.3  | 76.0  | 70.8  | 67.0  | 64.9  | 63.7  |
| 971.2  | 30°   | 721.9  | 426.8 | 111.1 | 84.9  | 76.2  | 69.8  | 64.6  | 61.1  | 59.4  | 59.0  |
| 1031.6 | 32.5° | 756.6  | 428.6 | 113.5 | 82.6  | 70.5  | 64.2  | 59.2  | 56.6  | 55.0  | 55.0  |
| 1098.9 | 35°   | 793.6  | 428.2 | 117.0 | 84.7  | 66.8  | 58.5  | 54.7  | 53.1  | 51.4  | 51.4  |
| 1173.4 | 37.5° | 840.1  | 428.9 | 119.8 | 88.2  | 65.3  | 53.8  | 51.7  | 49.5  | 48.6  | 48.6  |
| 1255.0 | 40°   | 909.4  | 452.2 | 118.4 | 91.3  | 64.9  | 50.5  | 46.2  | 45.5  | 44.8  | 44.8  |
| 1347.3 | 42.5° | 994.4  | 503.0 | 120.3 | 91.5  | 64.6  | 48.1  | 42.5  | 43.9  | 42.2  | 42.0  |
| 1451.3 | 45°   | 1087.3 | 558.4 | 132.3 | 86.6  | 64.4  | 46.9  | 40.6  | 42.2  | 39.6  | 39.6  |
| 1571.9 | 47.5° | 1179.5 | 613.4 | 144.6 | 79.5  | 63.7  | 46.7  | 38.9  | 38.0  | 37.3  | 37.5  |
| 1729.0 | 50°   | 1306.7 | 658.2 | 149.3 | 69.8  | 62.0  | 46.2  | 35.9  | 36.1  | 35.6  | 36.1  |
| 1950.5 | 52.5° | 1445.2 | 667.6 | 143.7 | 59.0  | 57.3  | 44.8  | 33.7  | 34.7  | 34.4  | 34.9  |
| 2106.4 | 55°   | 1531.5 | 657.5 | 118.7 | 49.1  | 50.0  | 39.2  | 31.6  | 33.5  | 33.5  | 33.5  |
| 2258.8 | 57.5° | 1620.7 | 614.3 | 84.2  | 39.9  | 41.5  | 32.1  | 29.7  | 32.3  | 32.1  | 31.8  |
| 2442.4 | 60°   | 1684.9 | 544.5 | 55.4  | 32.8  | 33.0  | 26.4  | 27.6  | 30.4  | 30.2  | 29.0  |
| 2631.6 | 62.5° | 1732.7 | 467.3 | 35.6  | 27.8  | 25.2  | 23.8  | 25.2  | 27.6  | 26.7  | 24.1  |
| 2792.0 | 65°   | 1727.3 | 360.5 | 27.4  | 23.8  | 20.8  | 20.8  | 21.9  | 24.1  | 21.2  | 17.0  |
| 2822.6 | 67.5° | 1626.6 | 243.9 | 22.6  | 20.1  | 17.5  | 17.2  | 18.2  | 20.1  | 18.2  | 14.4  |
| 2665.5 | 70°   | 1446.6 | 159.5 | 18.2  | 15.6  | 13.9  | 12.7  | 14.6  | 17.2  | 15.3  | 11.6  |
| 2269.2 | 72.5° | 1174.1 | 97.2  | 13.7  | 11.3  | 10.1  | 8.3   | 11.6  | 14.2  | 12.3  | 8.5   |
| 1578.0 | 75°   | 759.6  | 49.5  | 9.4   | 7.3   | 5.4   | 5.0   | 8.5   | 10.6  | 8.5   | 5.2   |
| 700.2  | 77.5° | 290.6  | 20.8  | 5.2   | 3.3   | 2.8   | 2.4   | 4.7   | 6.4   | 3.5   | 1.2   |
| 135.6  | 80°   | 55.9   | 8.7   | 2.6   | 1.7   | 1.4   | 0.9   | 0.7   | 0.5   | 0.0   | 0.0   |
| 24.1   | 82.5° | 9.7    | 2.8   | 0.9   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 4.7    | 85°   | 3.3    | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 1.7    | 87.5° | 1.2    | 0.0   | 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°  |
|-------|
| 438.1 |
| 265.9 |
| 155.7 |
| 126.7 |
| 117.0 |
| 108.0 |
| 99.6  |
| 91.8  |
| 84.2  |
| 76.9  |
| 69.6  |
| 63.7  |
| 58.7  |
| 55.0  |
| 51.4  |
| 48.6  |
| 44.8  |
| 41.8  |
| 39.6  |
| 37.5  |
| 36.1  |
| 34.9  |
| 33.5  |
| 31.8  |
| 29.0  |
| 23.6  |
| 16.5  |
| 13.9  |
| 11.1  |
| 8.0   |
| 4.5   |
| 0.9   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |