

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: P945038

Luminaire Tested: **GLAN-SB1A-835-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945038  
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-SB1A-835-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

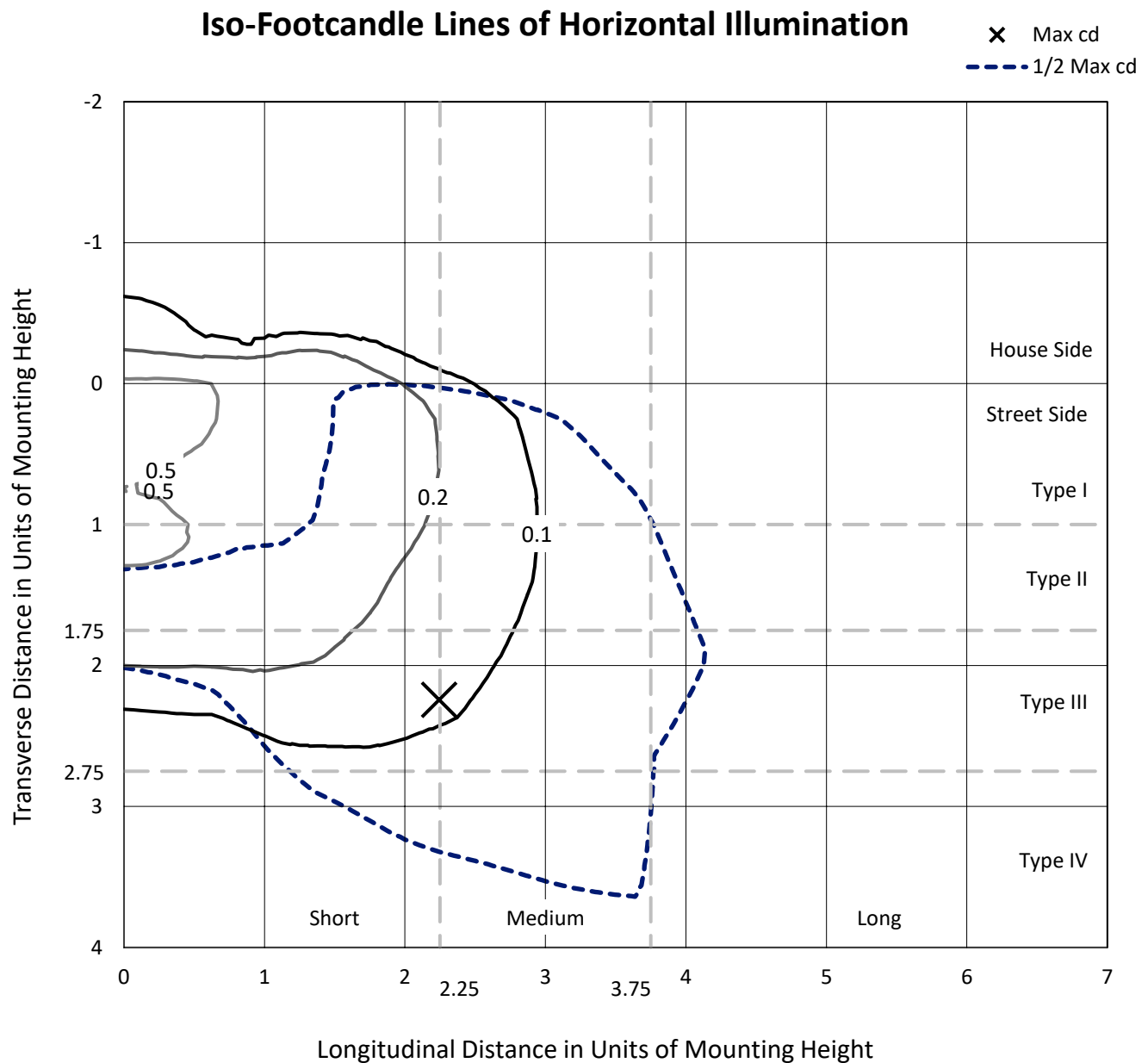
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3206 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
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



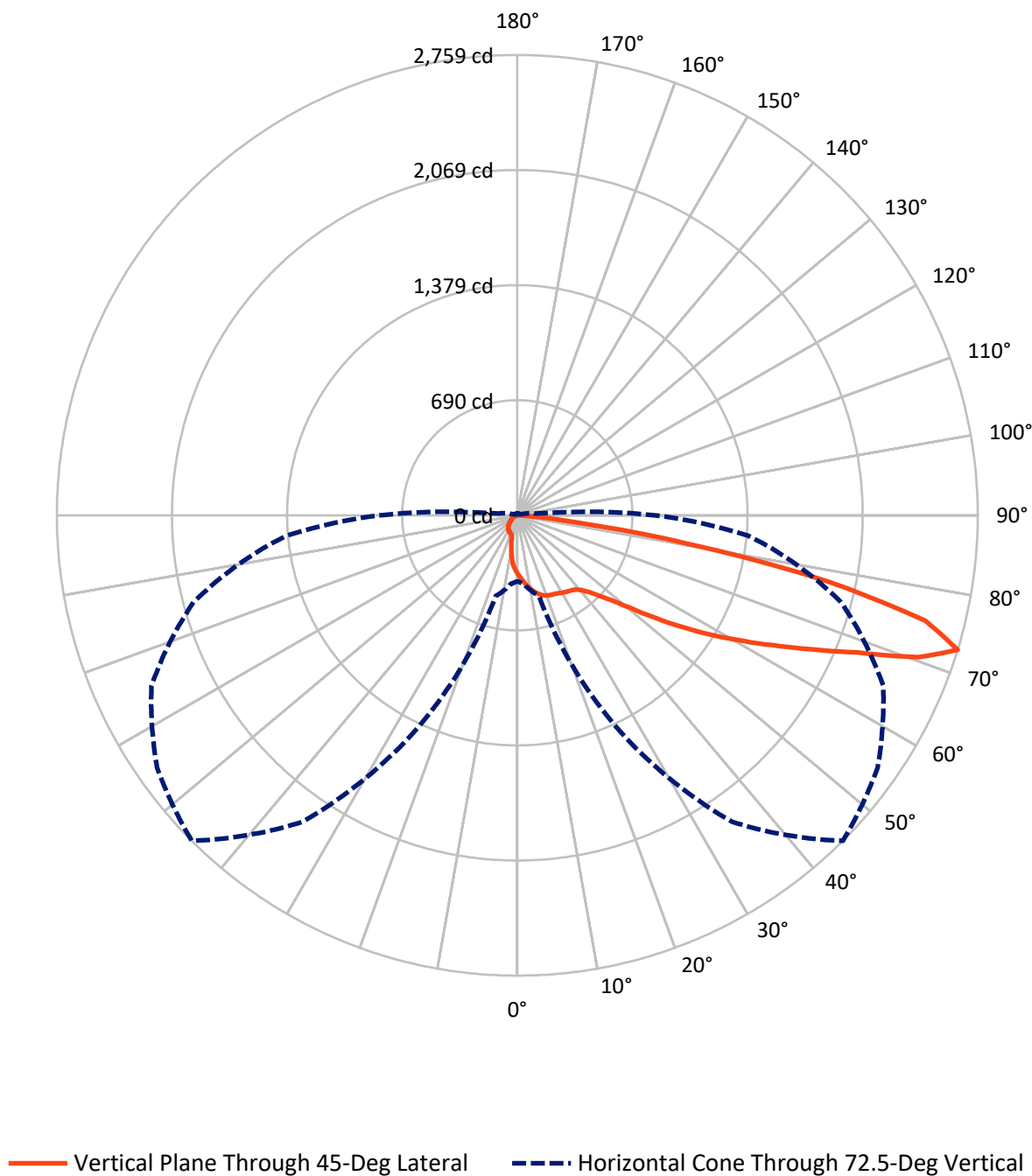
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CATALOG NUMBER: GLAN-SB1A-835-U-T4W-HSS



Based on 25 foot mounting height. Maximum calculated value = 0.8 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    | 336.9    | 0.0    | 336.9  |
|                    | % Fixture | 10.5     | 0.0    | 10.5   |
| <b>Street Side</b> | Lumens    | 2869.1   | 0.0    | 2869.1 |
|                    | % Fixture | 89.5     | 0.0    | 89.5   |
| <b>Total</b>       | Lumens    | 3206.0   | 0.0    | 3206.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.1   | 1.0       |
| 10°-20°   | 96.7   | 3.0       |
| 20°-30°   | 158.8  | 5.0       |
| 30°-40°   | 225.2  | 7.0       |
| 40°-50°   | 372.3  | 11.6      |
| 50°-60°   | 668.8  | 20.9      |
| 60°-70°   | 928.7  | 29.0      |
| 70°-80°   | 673.6  | 21.0      |
| 80°-90°   | 48.7   | 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°    | 3206.0 | 100.0     |
| 0°-180°   | 3206.0 | 100.0     |

**Coefficient of Utilization**



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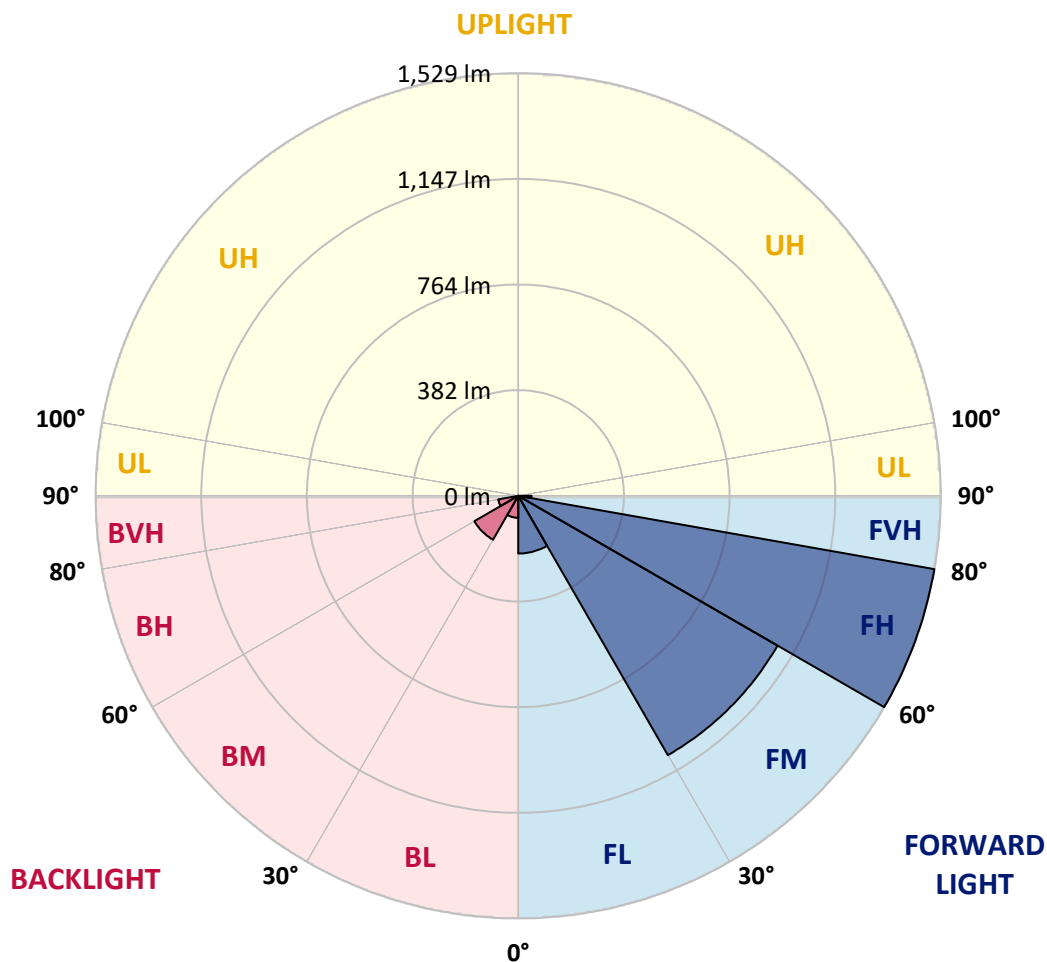
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 208.8  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 1083.2 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 1528.9 | 47.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 48.3   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 79.8   | 2.5       | B0/110                  |      |         |
| BM   | (30°-60°)   | 183.2  | 5.7       | B0/220                  |      |         |
| BH   | (60°-80°)   | 73.5   | 2.3       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.4    | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 46°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 351.2  | 351.2  | 351.2  | 351.2  | 351.2  | 351.2  | 351.2  | 351.2  | 351.2  | 351.2  |
| 2.5°  | 383.6  | 384.3  | 383.8  | 381.2  | 376.8  | 374.4  | 373.1  | 368.7  | 365.9  | 360.9  |
| 5°    | 418.8  | 421.5  | 419.9  | 414.7  | 406.4  | 400.5  | 398.7  | 389.7  | 381.6  | 372.2  |
| 7.5°  | 456.3  | 457.6  | 454.7  | 447.9  | 436.8  | 426.7  | 425.2  | 412.7  | 399.8  | 385.4  |
| 10°   | 488.7  | 490.2  | 485.8  | 476.0  | 463.3  | 450.8  | 448.6  | 434.8  | 419.5  | 401.8  |
| 12.5° | 515.8  | 517.3  | 511.6  | 499.8  | 485.8  | 472.9  | 470.7  | 456.3  | 439.4  | 419.7  |
| 15°   | 536.4  | 539.2  | 531.5  | 518.8  | 503.7  | 490.8  | 489.7  | 475.5  | 459.1  | 437.2  |
| 17.5° | 548.4  | 551.2  | 544.0  | 528.7  | 515.8  | 504.8  | 503.5  | 491.7  | 476.4  | 455.4  |
| 20°   | 550.4  | 553.0  | 545.3  | 532.0  | 521.3  | 512.5  | 511.8  | 503.3  | 492.2  | 472.0  |
| 22.5° | 544.5  | 547.7  | 540.7  | 530.0  | 522.6  | 518.0  | 517.1  | 512.3  | 505.9  | 488.9  |
| 25°   | 538.3  | 541.0  | 535.7  | 526.3  | 522.4  | 521.9  | 522.6  | 521.7  | 520.4  | 505.9  |
| 27.5° | 537.9  | 540.7  | 534.8  | 525.9  | 523.7  | 528.3  | 528.9  | 533.1  | 534.2  | 521.5  |
| 30°   | 541.6  | 543.6  | 537.9  | 528.5  | 527.4  | 537.9  | 538.1  | 545.5  | 547.3  | 534.6  |
| 32.5° | 549.7  | 551.9  | 546.2  | 532.4  | 530.9  | 545.5  | 546.2  | 556.1  | 558.9  | 548.6  |
| 35°   | 568.7  | 571.4  | 564.8  | 543.4  | 537.9  | 552.8  | 554.7  | 566.3  | 572.0  | 563.5  |
| 37.5° | 616.2  | 608.6  | 599.6  | 565.5  | 553.9  | 564.1  | 567.4  | 581.0  | 591.1  | 581.2  |
| 40°   | 734.2  | 710.1  | 682.1  | 603.1  | 581.9  | 588.4  | 591.1  | 604.6  | 618.4  | 608.8  |
| 42.5° | 911.2  | 882.8  | 837.7  | 689.8  | 624.1  | 627.4  | 629.4  | 641.2  | 660.7  | 653.0  |
| 45°   | 1069.0 | 1058.7 | 1012.8 | 837.7  | 703.1  | 686.9  | 689.3  | 695.4  | 724.1  | 721.3  |
| 47.5° | 1190.2 | 1184.3 | 1148.9 | 1007.5 | 836.6  | 759.8  | 766.6  | 769.4  | 810.8  | 820.8  |
| 50°   | 1283.4 | 1281.3 | 1249.5 | 1158.5 | 1011.0 | 867.2  | 869.6  | 863.5  | 925.4  | 950.4  |
| 52.5° | 1371.4 | 1378.9 | 1355.4 | 1298.8 | 1197.2 | 1007.9 | 1007.5 | 978.6  | 1062.2 | 1099.8 |
| 55°   | 1450.9 | 1453.5 | 1455.9 | 1441.9 | 1384.5 | 1168.1 | 1164.0 | 1116.7 | 1220.9 | 1259.8 |
| 57.5° | 1525.5 | 1526.6 | 1548.0 | 1576.7 | 1579.5 | 1340.1 | 1332.5 | 1275.8 | 1394.2 | 1422.0 |
| 60°   | 1575.6 | 1580.6 | 1625.9 | 1705.6 | 1740.4 | 1517.6 | 1513.4 | 1455.7 | 1570.6 | 1583.5 |
| 62.5° | 1503.4 | 1534.0 | 1648.2 | 1806.2 | 1892.2 | 1714.3 | 1712.4 | 1658.1 | 1756.1 | 1745.6 |
| 65°   | 1216.9 | 1268.8 | 1469.7 | 1874.3 | 2041.3 | 1934.0 | 1936.9 | 1879.1 | 1946.7 | 1912.6 |
| 67.5° | 851.3  | 906.0  | 1143.6 | 1879.8 | 2207.8 | 2192.0 | 2208.4 | 2117.8 | 2149.1 | 2072.6 |
| 70°   | 588.7  | 616.9  | 771.6  | 1762.0 | 2337.6 | 2547.4 | 2547.0 | 2411.1 | 2350.5 | 2145.4 |
| 72.5° | 395.9  | 410.5  | 501.1  | 1397.9 | 2242.1 | 2758.6 | 2745.9 | 2635.2 | 2418.3 | 2006.5 |
| 75°   | 167.0  | 177.7  | 232.0  | 785.6  | 1773.8 | 2523.8 | 2489.4 | 2328.8 | 2148.7 | 1580.0 |
| 77.5° | 53.0   | 57.6   | 91.5   | 281.2  | 977.1  | 1897.0 | 1860.7 | 1454.4 | 1440.1 | 792.6  |
| 80°   | 25.2   | 29.3   | 51.4   | 112.9  | 384.5  | 1031.8 | 1026.8 | 659.8  | 619.5  | 214.0  |
| 82.5° | 10.9   | 12.9   | 28.4   | 60.4   | 172.0  | 368.1  | 375.5  | 224.5  | 185.8  | 81.2   |
| 85°   | 3.5    | 4.6    | 13.1   | 27.8   | 72.7   | 91.5   | 90.4   | 53.4   | 74.8   | 44.2   |
| 87.5° | 0.0    | 0.0    | 4.4    | 6.3    | 7.4    | 5.3    | 5.9    | 4.6    | 20.8   | 12.3   |
| 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°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 351.2  | 0°    | 351.2  | 351.2 | 351.2 | 351.2 | 351.2 | 351.2 | 351.2 | 351.2 | 351.2 | 351.2 |
| 355.6  | 2.5°  | 353.0  | 349.5 | 343.3 | 337.7 | 332.6 | 327.6 | 324.5 | 320.2 | 319.7 | 319.7 |
| 361.3  | 5°    | 355.4  | 349.7 | 338.8 | 327.2 | 313.8 | 301.1 | 288.4 | 276.2 | 272.2 | 269.4 |
| 370.5  | 7.5°  | 362.4  | 353.4 | 336.1 | 314.0 | 288.6 | 260.8 | 241.4 | 220.4 | 212.3 | 207.9 |
| 382.7  | 10°   | 372.5  | 360.2 | 333.9 | 295.2 | 254.1 | 216.2 | 188.4 | 165.7 | 156.9 | 153.2 |
| 396.1  | 12.5° | 383.6  | 368.5 | 330.0 | 271.8 | 216.2 | 170.9 | 143.8 | 133.3 | 132.0 | 132.0 |
| 412.1  | 15°   | 397.0  | 378.6 | 323.2 | 244.2 | 176.6 | 135.2 | 125.6 | 126.0 | 127.4 | 128.2 |
| 427.6  | 17.5° | 410.7  | 389.3 | 312.5 | 213.4 | 141.6 | 121.7 | 121.9 | 122.5 | 123.6 | 124.5 |
| 444.4  | 20°   | 425.6  | 400.0 | 298.3 | 180.5 | 121.5 | 117.7 | 118.4 | 119.0 | 119.9 | 120.4 |
| 460.2  | 22.5° | 441.6  | 410.1 | 281.4 | 148.4 | 114.7 | 114.4 | 114.7 | 115.3 | 116.4 | 116.4 |
| 478.6  | 25°   | 458.7  | 421.3 | 262.2 | 125.0 | 111.2 | 111.2 | 111.6 | 112.0 | 112.9 | 112.9 |
| 496.3  | 27.5° | 476.2  | 431.5 | 241.8 | 112.7 | 108.1 | 107.9 | 107.9 | 108.5 | 109.0 | 109.2 |
| 513.8  | 30°   | 495.4  | 443.6 | 221.5 | 110.1 | 105.7 | 104.6 | 103.9 | 104.4 | 104.8 | 105.0 |
| 532.2  | 32.5° | 515.1  | 455.2 | 203.3 | 111.2 | 103.3 | 101.3 | 99.1  | 98.7  | 98.7  | 99.6  |
| 551.2  | 35°   | 537.0  | 467.9 | 189.3 | 114.9 | 102.0 | 96.5  | 93.0  | 91.0  | 91.3  | 92.6  |
| 574.0  | 37.5° | 563.3  | 483.2 | 179.0 | 118.2 | 101.1 | 91.0  | 85.3  | 82.9  | 81.4  | 82.9  |
| 605.3  | 40°   | 597.6  | 505.7 | 171.6 | 120.8 | 100.0 | 84.7  | 77.0  | 73.1  | 70.2  | 71.1  |
| 653.9  | 42.5° | 648.2  | 541.2 | 168.7 | 121.0 | 97.6  | 77.2  | 68.5  | 63.2  | 59.1  | 59.3  |
| 727.0  | 45°   | 719.1  | 597.2 | 183.4 | 118.2 | 92.3  | 69.2  | 59.5  | 52.5  | 49.9  | 49.2  |
| 836.2  | 47.5° | 816.2  | 678.8 | 217.3 | 112.3 | 84.7  | 61.3  | 50.8  | 44.9  | 42.9  | 41.8  |
| 979.5  | 50°   | 946.4  | 783.6 | 254.9 | 105.7 | 77.0  | 53.8  | 43.5  | 39.8  | 38.5  | 37.4  |
| 1149.5 | 52.5° | 1097.4 | 890.0 | 285.8 | 99.1  | 69.4  | 47.3  | 39.0  | 36.8  | 35.7  | 34.8  |
| 1313.6 | 55°   | 1236.0 | 963.3 | 284.0 | 92.1  | 61.9  | 42.0  | 35.7  | 34.4  | 33.0  | 32.2  |
| 1455.0 | 57.5° | 1322.2 | 973.6 | 234.1 | 84.5  | 53.4  | 37.9  | 32.6  | 31.7  | 30.2  | 29.1  |
| 1577.3 | 60°   | 1361.8 | 914.9 | 164.1 | 74.4  | 44.9  | 33.9  | 29.3  | 28.9  | 26.9  | 25.4  |
| 1693.1 | 62.5° | 1369.0 | 806.0 | 109.4 | 61.9  | 37.4  | 30.2  | 26.0  | 25.4  | 22.8  | 20.1  |
| 1787.2 | 65°   | 1339.7 | 650.1 | 75.7  | 48.4  | 31.9  | 26.3  | 22.3  | 21.0  | 18.2  | 15.5  |
| 1809.5 | 67.5° | 1246.9 | 456.5 | 52.7  | 34.8  | 27.1  | 20.8  | 17.7  | 17.3  | 15.1  | 12.9  |
| 1695.7 | 70°   | 1076.9 | 260.2 | 35.2  | 26.0  | 21.4  | 14.2  | 14.0  | 14.4  | 12.3  | 10.5  |
| 1385.4 | 72.5° | 825.7  | 119.0 | 21.9  | 19.0  | 14.7  | 9.6   | 11.2  | 11.4  | 9.4   | 7.9   |
| 864.4  | 75°   | 486.0  | 51.0  | 13.8  | 12.3  | 7.4   | 6.3   | 8.1   | 8.3   | 6.3   | 5.0   |
| 316.0  | 77.5° | 165.4  | 19.3  | 8.8   | 7.2   | 3.7   | 3.5   | 5.3   | 5.3   | 3.5   | 2.0   |
| 63.5   | 80°   | 37.6   | 7.2   | 4.4   | 2.8   | 1.8   | 1.5   | 1.8   | 1.5   | 0.9   | 0.2   |
| 19.5   | 82.5° | 10.7   | 2.8   | 1.8   | 1.1   | 0.7   | 0.7   | 0.2   | 0.0   | 0.0   | 0.0   |
| 6.8    | 85°   | 3.1    | 1.3   | 0.4   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 2.4    | 87.5° | 1.3    | 0.2   | 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°  |
|-------|
| 351.2 |
| 320.8 |
| 270.7 |
| 208.5 |
| 153.2 |
| 132.0 |
| 128.2 |
| 124.5 |
| 120.6 |
| 116.9 |
| 113.1 |
| 109.4 |
| 105.5 |
| 100.2 |
| 93.2  |
| 82.5  |
| 70.7  |
| 58.4  |
| 48.4  |
| 41.1  |
| 37.2  |
| 34.6  |
| 31.7  |
| 28.9  |
| 24.9  |
| 18.8  |
| 14.7  |
| 12.3  |
| 9.6   |
| 7.0   |
| 4.4   |
| 1.5   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |