

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: P939081

Luminaire Tested: **GLAN-SB1C-735-U-SL4-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939081  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-735-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

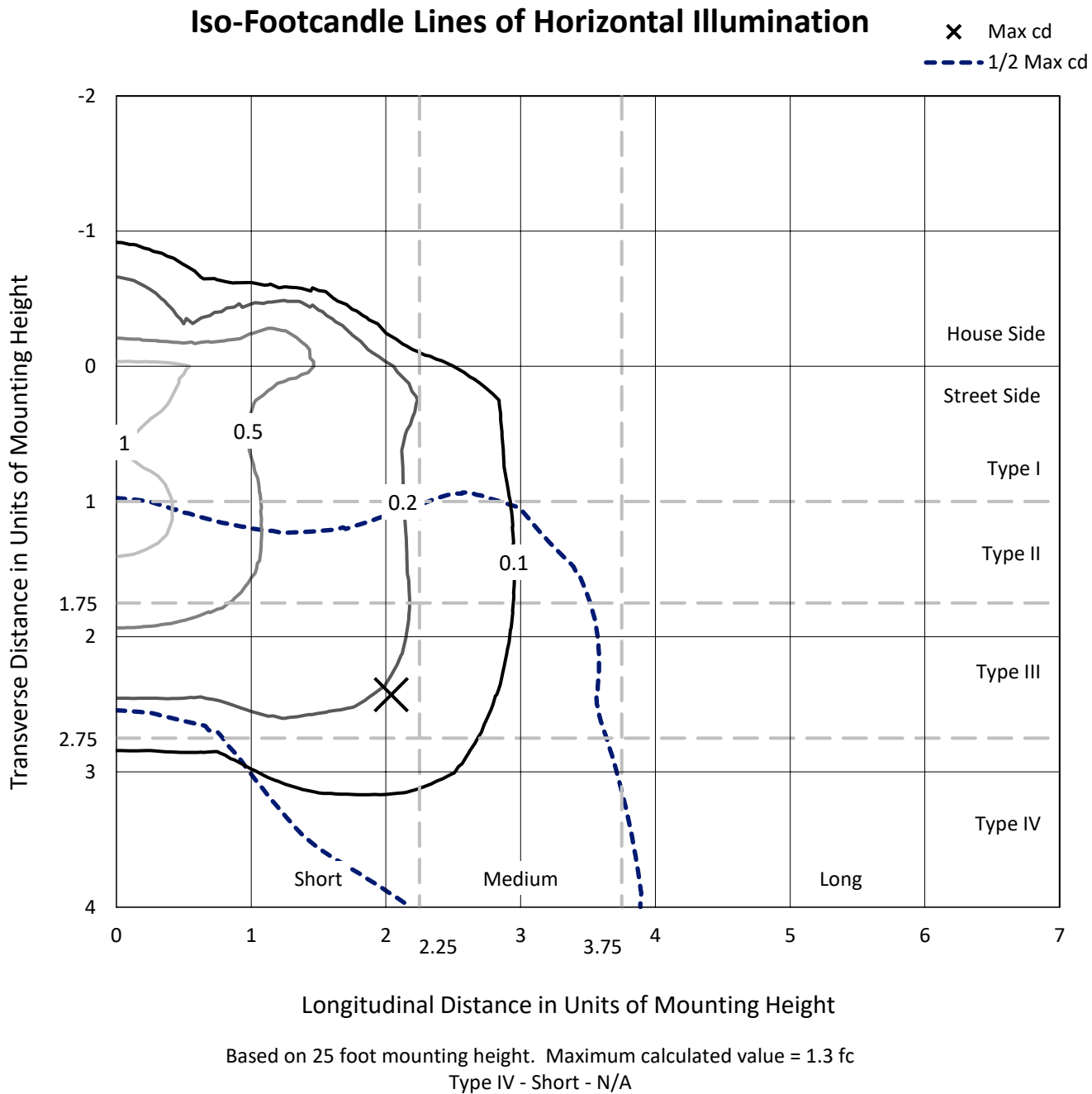
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5229 lumens  
Efficiency: N/A  
Efficacy: 96.1 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

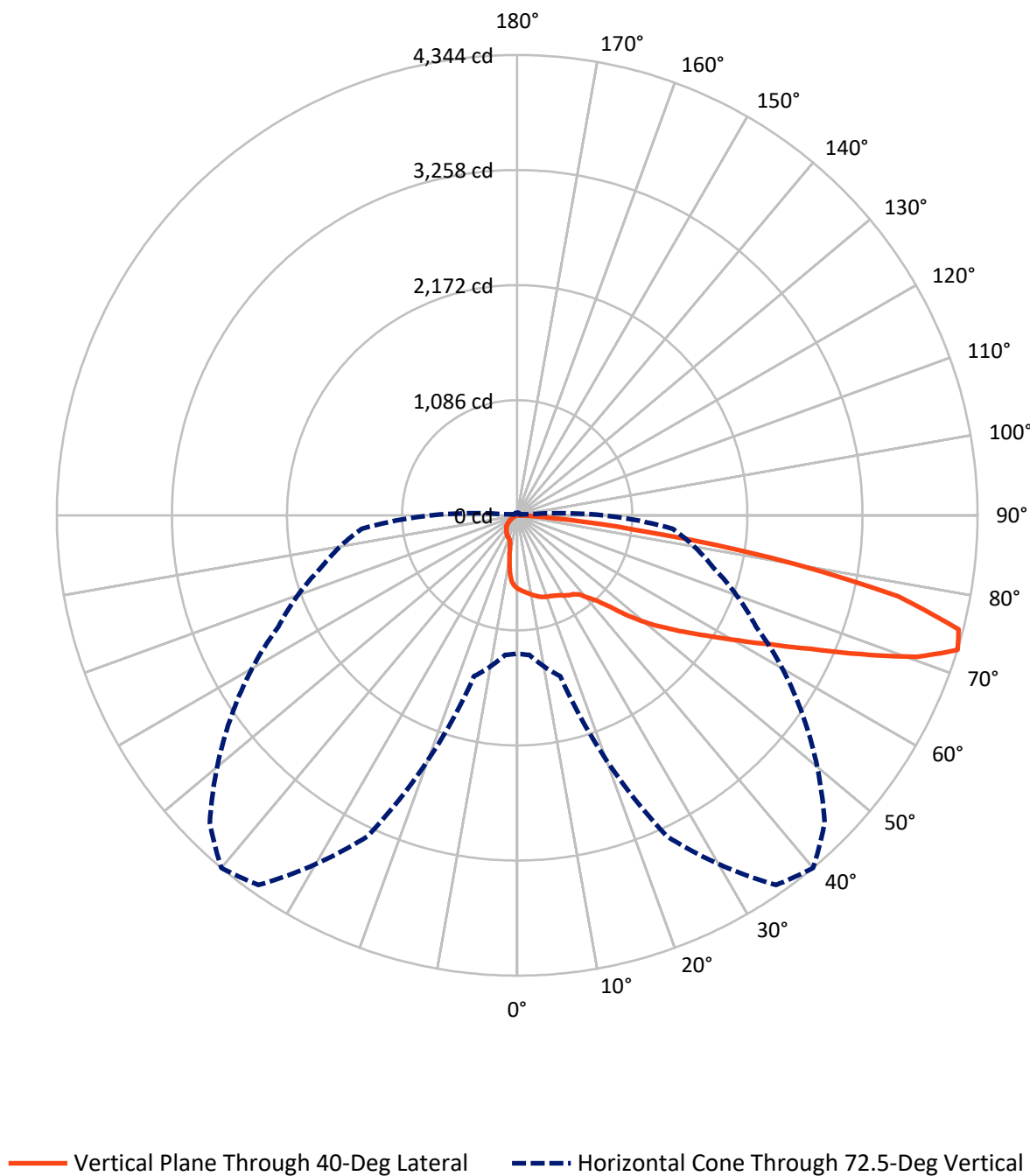


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## Luminous Intensity Polar Plot



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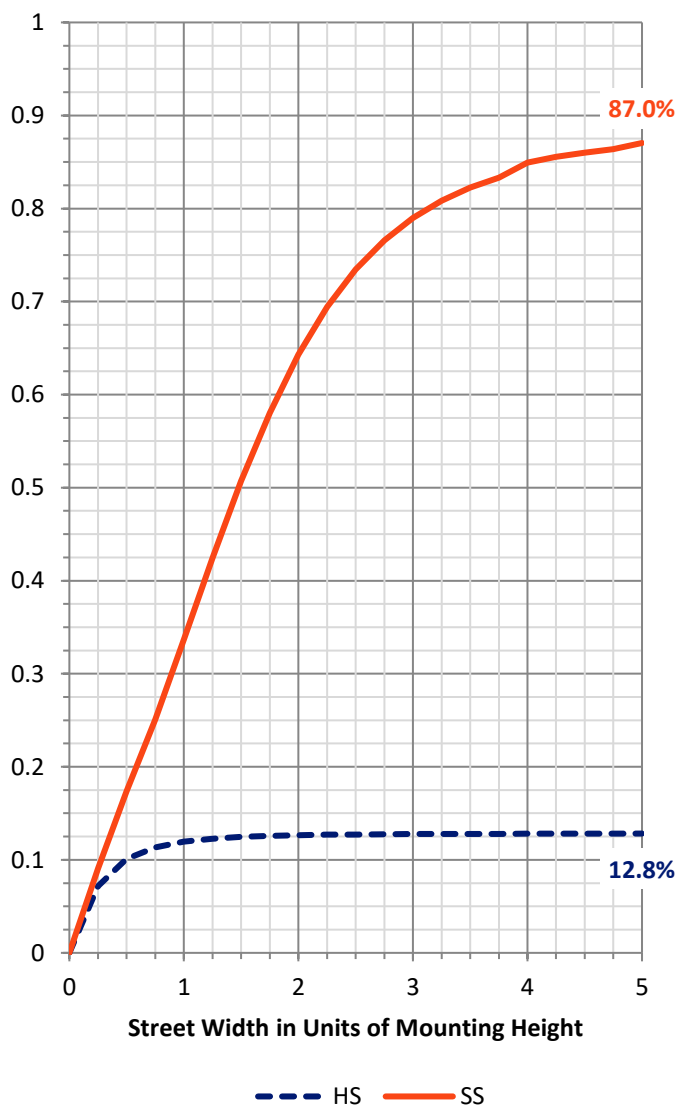
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 675.3    | 0.0    | 675.3  |
|                    | % Fixture | 12.9     | 0.0    | 12.9   |
| <b>Street Side</b> | Lumens    | 4553.7   | 0.0    | 4553.7 |
|                    | % Fixture | 87.1     | 0.0    | 87.1   |
| <b>Total</b>       | Lumens    | 5229.0   | 0.0    | 5229.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.2   | 1.2       |
| 10°-20°   | 171.7  | 3.3       |
| 20°-30°   | 277.9  | 5.3       |
| 30°-40°   | 410.2  | 7.8       |
| 40°-50°   | 690.4  | 13.2      |
| 50°-60°   | 1072.0 | 20.5      |
| 60°-70°   | 1341.3 | 25.7      |
| 70°-80°   | 1098.2 | 21.0      |
| 80°-90°   | 104.1  | 2.0       |
| 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°    | 5229.0 | 100.0     |
| 0°-180°   | 5229.0 | 100.0     |

**Coefficient of Utilization**



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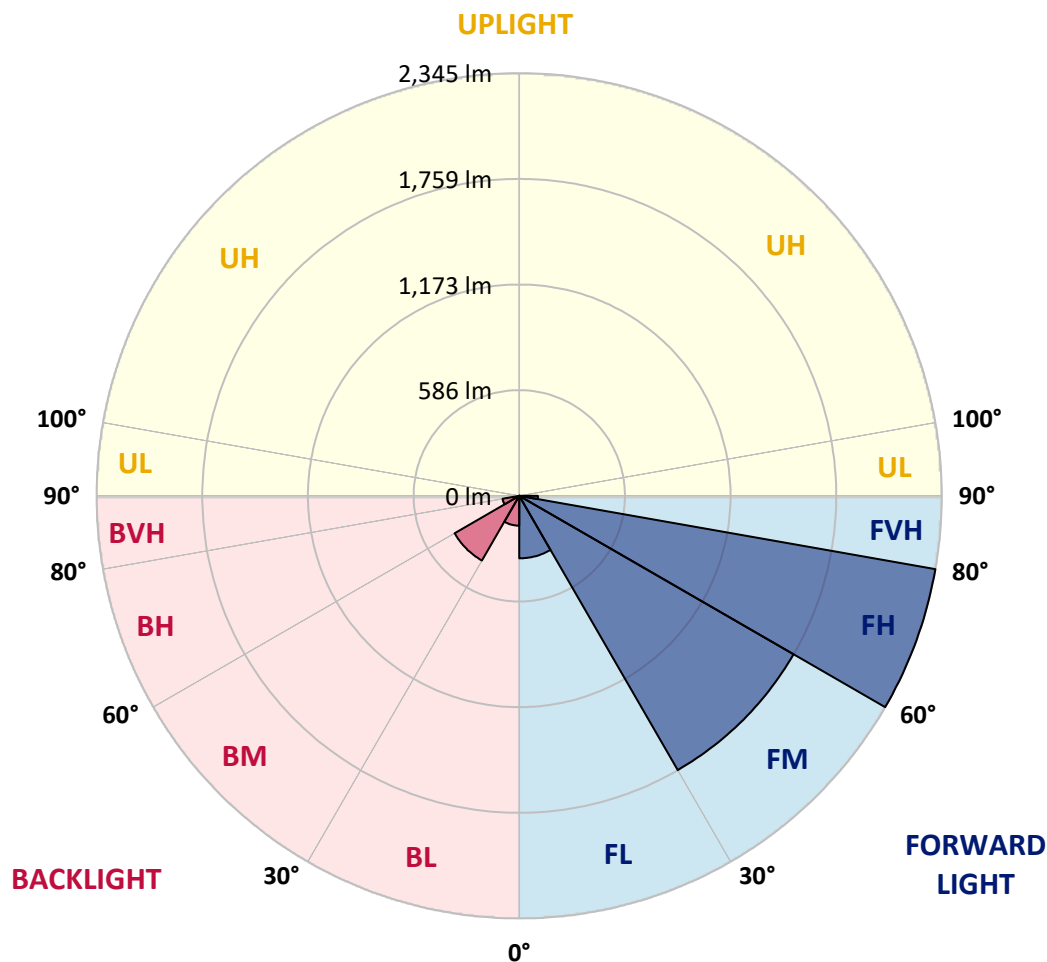
CATALOG NUMBER: GLAN-SB1C-735-U-SL4-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 347.1  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 1757.9 | 33.6      |                         |      |         |
| FH   | (60°-80°)   | 2345.4 | 44.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 103.3  | 2.0       |                         |      | G2/225  |
| BL   | (0°-30°)    | 165.7  | 3.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 414.7  | 7.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 94.1   | 1.8       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.8    | 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°    | 40°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 692.4  | 692.4  | 692.4  | 692.4  | 692.4  | 692.4  | 692.4  | 692.4  | 692.4  | 692.4  |
| 2.5°  | 713.2  | 716.0  | 714.4  | 711.3  | 710.5  | 708.9  | 706.9  | 706.1  | 703.4  | 701.0  |
| 5°    | 733.3  | 736.1  | 734.1  | 729.8  | 727.8  | 725.8  | 723.1  | 720.7  | 715.2  | 710.1  |
| 7.5°  | 755.4  | 757.7  | 755.4  | 749.1  | 745.9  | 743.6  | 739.6  | 736.1  | 729.8  | 722.3  |
| 10°   | 779.8  | 781.8  | 778.2  | 769.9  | 764.8  | 761.3  | 757.7  | 753.8  | 747.9  | 739.6  |
| 12.5° | 802.6  | 805.0  | 799.5  | 789.6  | 783.7  | 780.2  | 776.2  | 773.1  | 767.2  | 759.3  |
| 15°   | 823.5  | 827.1  | 817.6  | 807.0  | 800.3  | 797.5  | 793.6  | 791.6  | 787.7  | 782.2  |
| 17.5° | 839.3  | 841.6  | 831.8  | 819.2  | 811.7  | 809.7  | 807.0  | 808.1  | 807.4  | 804.6  |
| 20°   | 852.7  | 854.2  | 841.2  | 825.9  | 817.6  | 818.0  | 817.2  | 821.1  | 822.7  | 822.7  |
| 22.5° | 869.2  | 869.6  | 853.0  | 833.7  | 823.9  | 826.7  | 827.8  | 832.2  | 835.3  | 838.5  |
| 25°   | 890.9  | 890.1  | 870.4  | 844.0  | 835.3  | 839.3  | 842.0  | 843.6  | 847.1  | 852.3  |
| 27.5° | 923.1  | 920.8  | 895.6  | 860.5  | 850.3  | 853.8  | 859.0  | 858.2  | 856.6  | 860.5  |
| 30°   | 964.1  | 961.0  | 927.5  | 883.8  | 874.3  | 877.5  | 879.0  | 872.0  | 860.5  | 864.1  |
| 32.5° | 1029.1 | 1023.6 | 977.1  | 909.8  | 895.2  | 898.7  | 896.8  | 882.2  | 865.3  | 868.8  |
| 35°   | 1142.1 | 1128.7 | 1063.0 | 964.1  | 918.8  | 914.9  | 910.2  | 896.0  | 875.1  | 871.6  |
| 37.5° | 1382.4 | 1358.7 | 1246.5 | 1070.0 | 972.4  | 946.8  | 932.2  | 918.0  | 885.7  | 871.6  |
| 40°   | 1653.3 | 1629.3 | 1499.7 | 1247.3 | 1061.4 | 1018.1 | 983.4  | 944.0  | 896.8  | 876.7  |
| 42.5° | 1936.1 | 1909.7 | 1776.6 | 1467.0 | 1188.6 | 1099.6 | 1035.0 | 964.9  | 914.9  | 892.4  |
| 45°   | 2251.9 | 2218.9 | 2044.8 | 1696.2 | 1373.3 | 1235.1 | 1118.1 | 1007.8 | 946.4  | 920.4  |
| 47.5° | 2585.1 | 2542.2 | 2312.2 | 1918.8 | 1572.2 | 1422.5 | 1270.1 | 1084.6 | 992.9  | 962.1  |
| 50°   | 2880.5 | 2838.0 | 2588.3 | 2151.5 | 1758.1 | 1600.9 | 1443.4 | 1191.0 | 1062.6 | 1021.2 |
| 52.5° | 3092.8 | 3060.5 | 2839.6 | 2391.8 | 1951.5 | 1768.3 | 1600.5 | 1314.6 | 1150.8 | 1096.8 |
| 55°   | 3235.0 | 3205.4 | 3017.6 | 2619.4 | 2176.3 | 1952.6 | 1755.3 | 1448.9 | 1257.1 | 1187.4 |
| 57.5° | 3321.2 | 3304.3 | 3146.3 | 2822.6 | 2399.2 | 2154.3 | 1932.5 | 1596.6 | 1382.4 | 1294.1 |
| 60°   | 3351.9 | 3338.1 | 3226.3 | 3016.4 | 2668.6 | 2396.5 | 2140.9 | 1763.2 | 1534.4 | 1415.4 |
| 62.5° | 3270.0 | 3272.8 | 3283.8 | 3246.0 | 2952.6 | 2680.0 | 2390.6 | 1963.3 | 1702.9 | 1552.9 |
| 65°   | 2884.4 | 2907.3 | 3116.8 | 3500.4 | 3328.7 | 3035.3 | 2708.4 | 2207.4 | 1895.9 | 1709.2 |
| 67.5° | 2388.2 | 2421.3 | 2682.0 | 3649.3 | 3729.6 | 3496.5 | 3151.1 | 2518.6 | 2125.9 | 1868.4 |
| 70°   | 1828.2 | 1863.6 | 2179.5 | 3618.2 | 4104.9 | 4000.6 | 3698.5 | 2914.4 | 2364.2 | 1978.6 |
| 72.5° | 1304.8 | 1322.9 | 1571.8 | 3341.3 | 4258.9 | 4344.0 | 4101.8 | 3289.3 | 2485.9 | 1917.6 |
| 75°   | 916.8  | 913.7  | 1078.7 | 2690.7 | 4019.1 | 4302.3 | 3960.4 | 3086.5 | 2249.6 | 1523.4 |
| 77.5° | 399.3  | 400.1  | 538.8  | 1634.0 | 3207.8 | 3674.5 | 3292.1 | 1933.3 | 1568.3 | 807.4  |
| 80°   | 103.6  | 106.7  | 197.7  | 650.6  | 1931.4 | 2425.2 | 2007.8 | 849.9  | 724.7  | 196.9  |
| 82.5° | 36.6   | 39.0   | 91.0   | 204.4  | 712.4  | 1112.2 | 894.0  | 271.7  | 189.0  | 56.3   |
| 85°   | 10.6   | 12.6   | 48.8   | 62.6   | 147.3  | 314.3  | 217.0  | 52.8   | 46.5   | 29.1   |
| 87.5° | 0.0    | 1.6    | 9.8    | 8.7    | 8.7    | 5.9    | 11.0   | 5.9    | 7.5    | 3.5    |
| 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):**

| 85°    |       | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 692.4  | 0°    | 692.4  | 692.4  | 692.4  | 692.4 | 692.4 | 692.4 | 692.4 | 692.4 | 692.4 | 692.4 |
| 698.3  | 2.5°  | 695.9  | 693.1  | 687.2  | 680.9 | 675.0 | 669.5 | 667.9 | 662.0 | 659.3 | 659.7 |
| 703.8  | 5°    | 699.5  | 694.3  | 682.9  | 669.1 | 654.9 | 638.8 | 625.4 | 606.5 | 590.4 | 588.4 |
| 714.4  | 7.5°  | 708.9  | 700.6  | 682.1  | 655.3 | 619.9 | 575.4 | 534.0 | 493.1 | 469.8 | 457.2 |
| 730.2  | 10°   | 723.5  | 712.4  | 684.1  | 632.9 | 557.7 | 478.1 | 415.5 | 363.9 | 337.5 | 325.3 |
| 749.5  | 12.5° | 740.8  | 728.6  | 687.2  | 594.7 | 477.3 | 373.0 | 305.2 | 273.7 | 268.2 | 267.4 |
| 773.1  | 15°   | 765.2  | 751.8  | 690.8  | 543.1 | 390.3 | 284.0 | 252.8 | 253.2 | 257.6 | 259.9 |
| 798.7  | 17.5° | 792.4  | 779.0  | 685.7  | 480.1 | 304.4 | 242.6 | 241.8 | 245.4 | 251.7 | 254.0 |
| 822.3  | 20°   | 820.0  | 807.4  | 667.6  | 406.0 | 246.1 | 231.2 | 234.3 | 238.3 | 244.6 | 247.7 |
| 845.6  | 22.5° | 848.3  | 837.3  | 638.8  | 327.3 | 222.1 | 222.9 | 226.8 | 230.8 | 237.9 | 241.4 |
| 868.4  | 25°   | 878.6  | 869.2  | 600.6  | 262.3 | 211.9 | 214.2 | 219.4 | 224.1 | 231.6 | 235.9 |
| 887.7  | 27.5° | 909.4  | 902.3  | 557.3  | 219.0 | 202.4 | 205.2 | 211.1 | 217.4 | 224.9 | 230.0 |
| 904.6  | 30°   | 942.8  | 938.9  | 522.6  | 202.8 | 193.4 | 195.7 | 202.4 | 209.5 | 217.8 | 224.1 |
| 921.6  | 32.5° | 977.1  | 976.3  | 505.7  | 214.6 | 185.1 | 186.7 | 192.6 | 199.7 | 209.9 | 217.8 |
| 935.8  | 35°   | 1011.0 | 1012.5 | 495.8  | 248.1 | 182.3 | 178.0 | 182.0 | 188.3 | 200.5 | 210.3 |
| 951.9  | 37.5° | 1054.3 | 1058.2 | 495.4  | 284.3 | 189.0 | 169.3 | 172.1 | 176.4 | 187.1 | 198.5 |
| 977.1  | 40°   | 1118.9 | 1139.8 | 520.6  | 315.5 | 200.9 | 161.5 | 162.3 | 163.0 | 168.6 | 178.0 |
| 1010.6 | 42.5° | 1204.7 | 1265.8 | 611.6  | 336.7 | 205.6 | 154.4 | 151.6 | 147.3 | 146.5 | 151.6 |
| 1056.3 | 45°   | 1311.5 | 1418.2 | 771.5  | 348.5 | 200.9 | 146.5 | 139.0 | 127.6 | 123.3 | 126.8 |
| 1118.1 | 47.5° | 1437.1 | 1585.2 | 961.0  | 351.3 | 193.0 | 136.7 | 123.3 | 108.3 | 104.8 | 105.9 |
| 1201.2 | 50°   | 1559.6 | 1710.4 | 1127.5 | 328.5 | 180.0 | 124.1 | 105.9 | 93.3  | 91.0  | 91.4  |
| 1299.3 | 52.5° | 1667.9 | 1753.4 | 1174.8 | 274.5 | 162.7 | 108.7 | 91.0  | 82.3  | 80.7  | 80.7  |
| 1407.6 | 55°   | 1739.6 | 1706.9 | 1047.6 | 209.9 | 141.0 | 92.9  | 78.0  | 73.6  | 72.9  | 72.5  |
| 1528.5 | 57.5° | 1754.5 | 1555.6 | 791.2  | 151.6 | 110.3 | 78.4  | 69.3  | 67.0  | 65.4  | 63.8  |
| 1652.5 | 60°   | 1701.0 | 1303.6 | 503.7  | 105.9 | 82.7  | 67.0  | 61.4  | 59.9  | 56.7  | 53.6  |
| 1769.1 | 62.5° | 1585.2 | 984.6  | 278.8  | 73.6  | 66.6  | 57.1  | 54.3  | 52.4  | 46.5  | 41.4  |
| 1861.7 | 65°   | 1429.6 | 654.6  | 123.3  | 57.5  | 54.3  | 48.0  | 46.5  | 43.7  | 36.6  | 30.7  |
| 1896.7 | 67.5° | 1273.3 | 376.9  | 55.5   | 46.1  | 43.7  | 39.4  | 38.2  | 36.2  | 31.1  | 25.6  |
| 1807.3 | 70°   | 1094.9 | 191.0  | 38.2   | 36.6  | 33.9  | 29.9  | 31.1  | 30.7  | 25.6  | 20.9  |
| 1474.1 | 72.5° | 815.2  | 94.9   | 28.7   | 27.6  | 24.4  | 21.3  | 25.6  | 25.2  | 20.1  | 15.8  |
| 909.0  | 75°   | 461.6  | 46.9   | 20.9   | 19.3  | 14.6  | 15.8  | 20.5  | 19.3  | 13.8  | 10.2  |
| 383.6  | 77.5° | 183.1  | 24.0   | 13.8   | 11.8  | 8.7   | 10.6  | 15.0  | 13.0  | 7.1   | 4.3   |
| 73.3   | 80°   | 42.1   | 11.8   | 7.1    | 5.1   | 3.9   | 6.3   | 7.9   | 4.7   | 2.0   | 0.4   |
| 19.7   | 82.5° | 11.8   | 5.1    | 2.4    | 2.0   | 2.0   | 2.4   | 2.0   | 0.8   | 0.0   | 0.0   |
| 5.1    | 85°   | 3.9    | 2.4    | 0.8    | 0.4   | 0.4   | 0.4   | 0.4   | 0.0   | 0.0   | 0.0   |
| 1.6    | 87.5° | 1.6    | 0.8    | 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°  |
|-------|
| 692.4 |
| 659.3 |
| 587.2 |
| 456.5 |
| 322.9 |
| 267.0 |
| 259.5 |
| 253.6 |
| 247.7 |
| 241.4 |
| 235.9 |
| 230.4 |
| 224.9 |
| 218.6 |
| 211.9 |
| 200.5 |
| 181.2 |
| 154.4 |
| 126.8 |
| 105.5 |
| 91.4  |
| 80.3  |
| 71.7  |
| 63.0  |
| 52.4  |
| 39.8  |
| 29.5  |
| 24.8  |
| 20.1  |
| 15.0  |
| 9.5   |
| 3.9   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |