

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: P954318

Luminaire Tested: **GLAN-SB7C-835-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954318  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-835-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41128 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

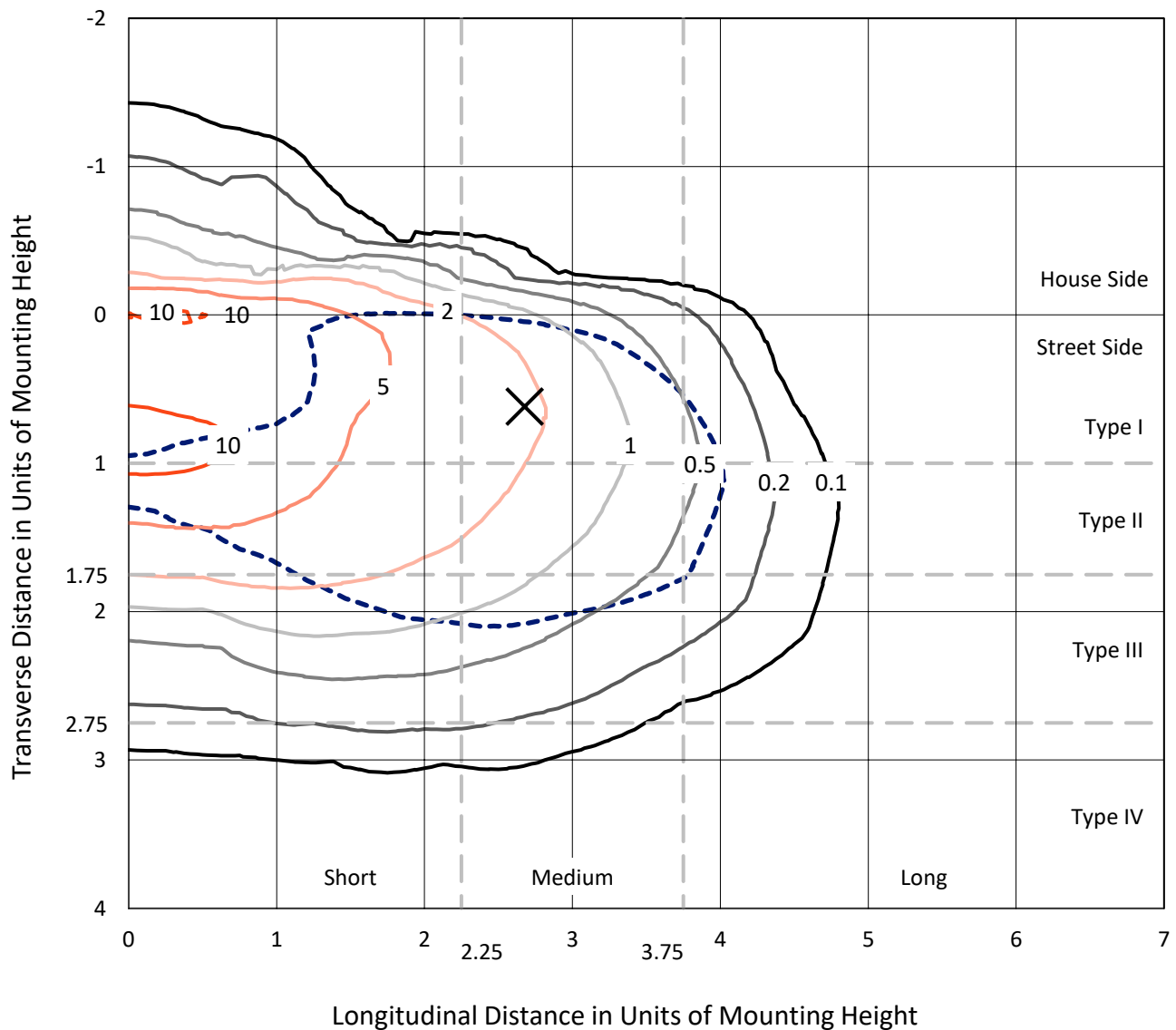
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

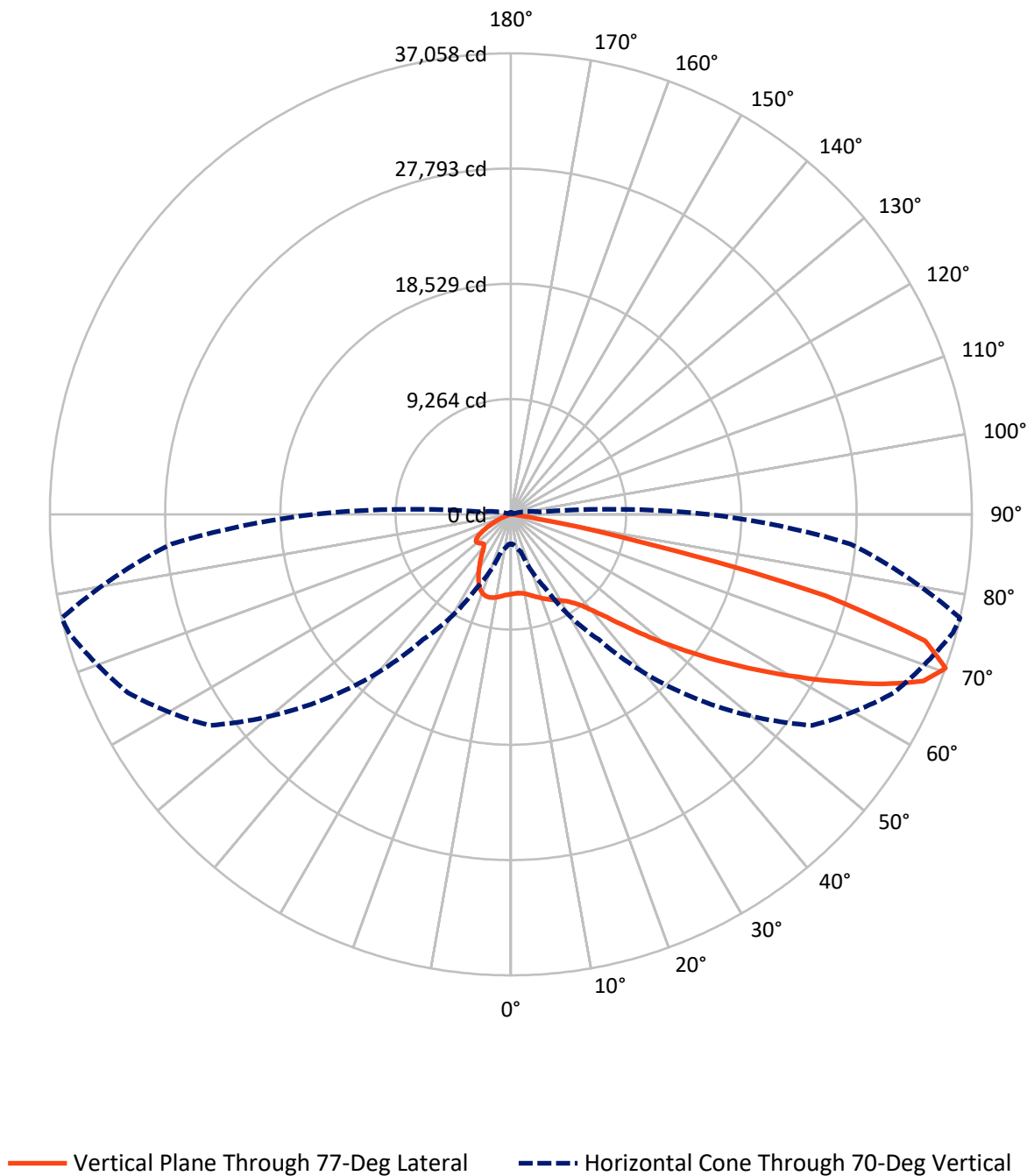
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc  
Type III - 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    | 4335.5   | 0.0    | 4335.5  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 36792.5  | 0.0    | 36792.5 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 41128.0  | 0.0    | 41128.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 552.9   | 1.3       |
| 10°-20°   | 1312.5  | 3.2       |
| 20°-30°   | 2030.1  | 4.9       |
| 30°-40°   | 3683.7  | 9.0       |
| 40°-50°   | 6953.4  | 16.9      |
| 50°-60°   | 10047.1 | 24.4      |
| 60°-70°   | 10694.8 | 26.0      |
| 70°-80°   | 5667.5  | 13.8      |
| 80°-90°   | 186.1   | 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°    | 41128.0 | 100.0     |
| 0°-180°   | 41128.0 | 100.0     |

**Coefficient of Utilization**



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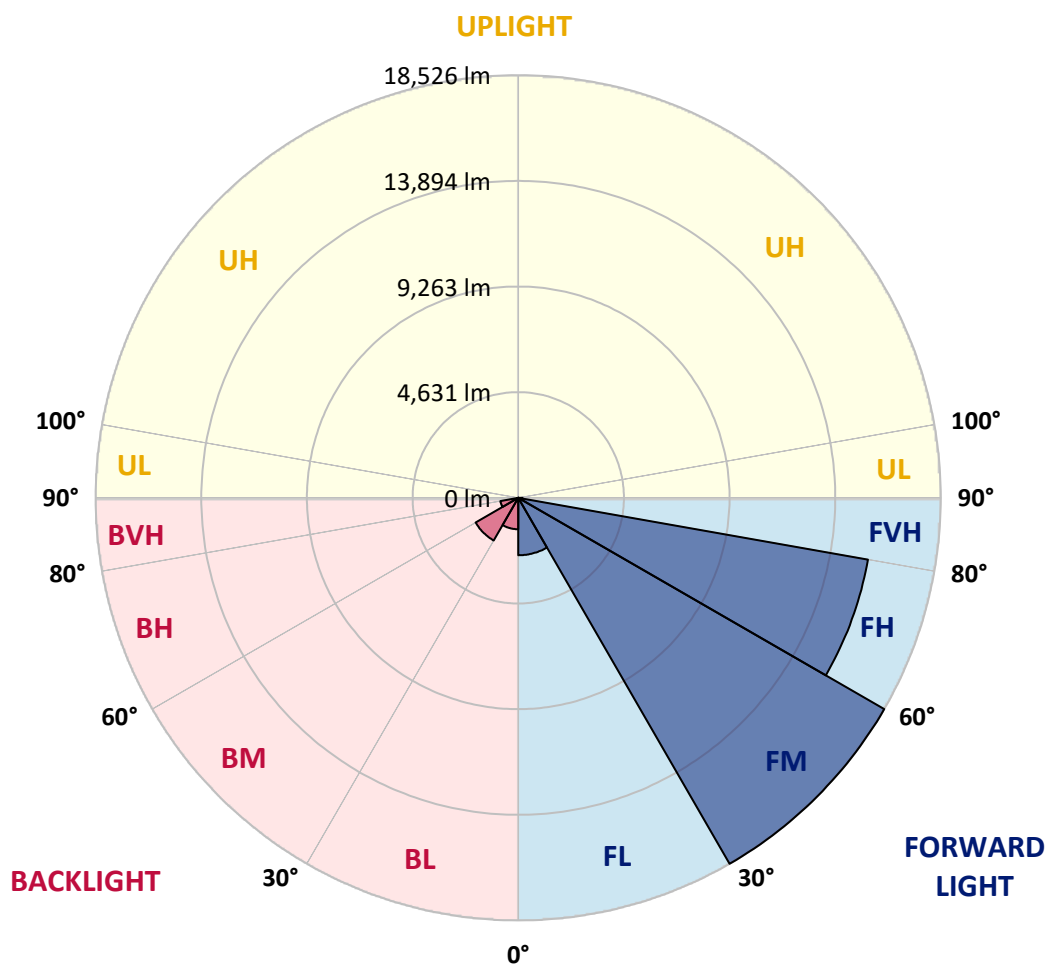
CATALOG NUMBER: GLAN-SB7C-835-U-T3R-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2518.0  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 18525.9 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 15567.5 | 37.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 181.1   | 0.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1377.5  | 3.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2158.2  | 5.2       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 794.8   | 1.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 5.0     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6415.2  | 6415.2  | 6415.2  | 6415.2  | 6415.2  | 6415.2  | 6415.2  | 6415.2  | 6415.2  | 6415.2  |
| 2.5°  | 6023.0  | 6077.6  | 6069.8  | 6106.2  | 6119.1  | 6171.1  | 6223.0  | 6293.2  | 6371.1  | 6368.5  |
| 5°    | 5682.8  | 5737.3  | 5750.3  | 5799.7  | 5862.0  | 5942.5  | 6049.0  | 6189.3  | 6334.7  | 6358.1  |
| 7.5°  | 5280.2  | 5337.4  | 5371.1  | 5469.8  | 5584.1  | 5750.3  | 5924.3  | 6129.5  | 6371.1  | 6404.8  |
| 10°   | 4877.6  | 4929.6  | 4973.7  | 5114.0  | 5295.8  | 5542.5  | 5825.6  | 6121.7  | 6446.4  | 6495.7  |
| 12.5° | 4628.3  | 4677.7  | 4727.0  | 4849.1  | 5075.0  | 5376.3  | 5760.7  | 6158.1  | 6571.1  | 6641.2  |
| 15°   | 4540.0  | 4584.2  | 4623.1  | 4732.2  | 4942.6  | 5285.4  | 5747.7  | 6233.4  | 6729.5  | 6823.0  |
| 17.5° | 4553.0  | 4576.4  | 4602.3  | 4685.5  | 4890.6  | 5243.9  | 5771.1  | 6363.3  | 6916.5  | 6999.6  |
| 20°   | 4628.3  | 4641.3  | 4643.9  | 4701.0  | 4882.8  | 5238.7  | 5817.9  | 6487.9  | 7093.1  | 7204.8  |
| 22.5° | 4724.4  | 4729.6  | 4724.4  | 4763.4  | 4932.2  | 5277.6  | 5880.2  | 6638.6  | 7290.5  | 7394.4  |
| 25°   | 5173.7  | 5075.0  | 4950.4  | 4875.1  | 5015.3  | 5352.9  | 5973.7  | 6841.2  | 7506.1  | 7607.4  |
| 27.5° | 6568.5  | 6285.4  | 5838.6  | 5337.4  | 5186.7  | 5462.0  | 6103.6  | 7046.4  | 7724.2  | 7815.1  |
| 30°   | 8833.3  | 8461.9  | 7703.5  | 6573.7  | 5737.3  | 5690.6  | 6272.4  | 7251.5  | 7955.4  | 8054.1  |
| 32.5° | 11103.3 | 11012.4 | 10137.1 | 8573.5  | 6976.2  | 6199.7  | 6552.9  | 7529.4  | 8261.9  | 8339.8  |
| 35°   | 13399.2 | 13214.8 | 12498.0 | 10952.6 | 8885.2  | 7236.0  | 7020.4  | 7893.1  | 8664.4  | 8752.8  |
| 37.5° | 15157.6 | 15045.9 | 14601.8 | 13329.1 | 11150.0 | 8835.9  | 7820.3  | 8456.7  | 9248.8  | 9347.5  |
| 40°   | 16710.8 | 16658.8 | 16508.2 | 15669.3 | 13682.4 | 10929.3 | 9064.4  | 9329.3  | 10059.2 | 10176.1 |
| 42.5° | 17931.5 | 18053.5 | 18139.2 | 17905.5 | 16292.6 | 13318.7 | 10737.1 | 10555.3 | 11189.0 | 11308.5 |
| 45°   | 19180.7 | 19222.3 | 19567.7 | 19905.4 | 18884.7 | 15817.3 | 12622.7 | 11991.5 | 12594.1 | 12742.1 |
| 47.5° | 19983.3 | 20149.5 | 20757.3 | 21352.1 | 21063.8 | 18295.1 | 14648.5 | 13687.5 | 14222.6 | 14500.5 |
| 50°   | 20043.0 | 20357.3 | 21193.6 | 22229.9 | 22650.7 | 20653.4 | 16851.0 | 15619.9 | 16188.7 | 16495.2 |
| 52.5° | 19048.3 | 19536.6 | 20832.6 | 22349.4 | 23507.8 | 22650.7 | 19128.8 | 17552.3 | 18282.1 | 18682.1 |
| 55°   | 14604.4 | 15243.3 | 19474.2 | 21700.1 | 23541.5 | 24164.9 | 21346.9 | 19565.1 | 20614.4 | 21066.4 |
| 57.5° | 12724.0 | 13046.0 | 15310.8 | 20572.9 | 22915.6 | 24775.2 | 23351.9 | 21481.9 | 23152.0 | 23713.0 |
| 60°   | 10586.4 | 11009.8 | 12840.8 | 18728.8 | 22066.3 | 24835.0 | 25123.3 | 23954.5 | 25902.4 | 26533.6 |
| 62.5° | 7194.4  | 7654.1  | 9474.8  | 15560.2 | 20905.3 | 24806.4 | 26575.1 | 26499.8 | 28959.4 | 29637.3 |
| 65°   | 4456.9  | 4745.2  | 5945.1  | 12705.8 | 19282.0 | 24837.6 | 28094.5 | 29590.6 | 32185.2 | 32873.5 |
| 67.5° | 3521.9  | 3654.3  | 4280.3  | 9755.3  | 16484.8 | 24136.3 | 29611.3 | 32496.9 | 35221.4 | 35766.8 |
| 70°   | 2366.1  | 2446.6  | 3114.1  | 6539.9  | 12264.2 | 20900.1 | 29582.8 | 33956.5 | 36785.0 | 37057.7 |
| 72.5° | 1246.7  | 1309.0  | 1820.7  | 3028.4  | 7407.4  | 14856.3 | 24936.3 | 32211.2 | 35229.2 | 34818.8 |
| 75°   | 623.3   | 727.2   | 1225.9  | 1537.6  | 3163.5  | 8285.3  | 15484.8 | 25396.0 | 27728.3 | 26138.8 |
| 77.5° | 472.7   | 571.4   | 1012.9  | 1012.9  | 1101.2  | 2789.5  | 6558.1  | 13851.2 | 12775.9 | 10638.4 |
| 80°   | 301.3   | 389.6   | 885.7   | 766.2   | 459.7   | 709.1   | 1709.0  | 3880.3  | 2714.1  | 2064.8  |
| 82.5° | 176.6   | 254.5   | 737.6   | 506.5   | 257.1   | 262.3   | 483.1   | 825.9   | 703.9   | 548.0   |
| 85°   | 70.1    | 166.2   | 506.5   | 200.0   | 101.3   | 64.9    | 145.4   | 176.6   | 145.4   | 109.1   |
| 87.5° | 0.0     | 39.0    | 88.3    | 0.0     | 7.8     | 5.2     | 10.4    | 13.0    | 13.0    | 10.4    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6415.2  | 0°    | 6415.2  | 6415.2  | 6415.2 | 6415.2 | 6415.2 | 6415.2 | 6415.2 | 6415.2 | 6415.2 | 6415.2 |
| 6420.4  | 2.5°  | 6443.8  | 6449.0  | 6464.6 | 6467.2 | 6430.8 | 6384.1 | 6365.9 | 6358.1 | 6326.9 | 6324.3 |
| 6462.0  | 5°    | 6521.7  | 6545.1  | 6521.7 | 6454.2 | 6293.2 | 6067.2 | 5895.8 | 5755.5 | 5628.3 | 5589.3 |
| 6604.8  | 7.5°  | 6677.5  | 6700.9  | 6630.8 | 6365.9 | 5960.7 | 5511.4 | 5106.2 | 4820.5 | 4563.4 | 4467.3 |
| 6778.8  | 10°   | 6900.9  | 6932.1  | 6711.3 | 6176.3 | 5459.4 | 4737.4 | 4051.7 | 3568.6 | 3192.0 | 3038.8 |
| 7015.2  | 12.5° | 7181.4  | 7194.4  | 6755.5 | 5888.0 | 4807.5 | 3776.4 | 2805.0 | 2288.2 | 1953.1 | 1828.5 |
| 7300.9  | 15°   | 7490.5  | 7472.3  | 6760.7 | 5495.8 | 3919.3 | 2670.0 | 1831.1 | 1503.8 | 1368.8 | 1327.2 |
| 7586.6  | 17.5° | 7815.1  | 7739.8  | 6656.8 | 4929.6 | 2945.3 | 1825.9 | 1358.4 | 1280.4 | 1257.1 | 1246.7 |
| 7869.7  | 20°   | 8134.6  | 7965.8  | 6467.2 | 4189.4 | 2114.2 | 1363.6 | 1233.7 | 1210.3 | 1197.3 | 1192.1 |
| 8155.4  | 22.5° | 8425.5  | 8137.2  | 6142.5 | 3329.7 | 1535.0 | 1205.1 | 1166.2 | 1145.4 | 1122.0 | 1111.6 |
| 8433.3  | 25°   | 8708.6  | 8235.9  | 5685.4 | 2527.1 | 1228.5 | 1127.2 | 1096.0 | 1057.1 | 1025.9 | 1012.9 |
| 8732.0  | 27.5° | 8983.9  | 8298.2  | 5114.0 | 1870.0 | 1096.0 | 1054.5 | 997.3  | 942.8  | 919.4  | 914.2  |
| 9051.4  | 30°   | 9277.4  | 8319.0  | 4464.7 | 1394.7 | 1015.5 | 963.6  | 880.5  | 818.1  | 805.1  | 807.7  |
| 9482.6  | 32.5° | 9635.8  | 8350.2  | 3810.2 | 1142.8 | 948.0  | 854.5  | 755.8  | 690.9  | 680.5  | 690.9  |
| 10111.1 | 35°   | 10064.4 | 8412.5  | 3179.0 | 1051.9 | 888.3  | 742.8  | 636.3  | 581.8  | 571.4  | 579.2  |
| 10916.3 | 37.5° | 10646.2 | 8513.8  | 2589.5 | 1033.7 | 838.9  | 649.3  | 535.0  | 490.9  | 490.9  | 493.5  |
| 11903.2 | 40°   | 11420.1 | 8783.9  | 2062.2 | 1020.7 | 812.9  | 579.2  | 451.9  | 433.7  | 441.5  | 446.7  |
| 13160.3 | 42.5° | 12362.9 | 9357.9  | 1706.4 | 1005.1 | 784.4  | 548.0  | 410.4  | 402.6  | 415.6  | 420.8  |
| 14666.7 | 45°   | 13420.0 | 10085.1 | 1581.7 | 979.2  | 758.4  | 568.8  | 392.2  | 381.8  | 397.4  | 400.0  |
| 16354.9 | 47.5° | 14513.5 | 10796.8 | 1566.1 | 950.6  | 732.4  | 600.0  | 387.0  | 363.6  | 381.8  | 384.4  |
| 18157.4 | 50°   | 15619.9 | 11261.7 | 1581.7 | 906.4  | 690.9  | 600.0  | 389.6  | 345.4  | 361.0  | 368.8  |
| 20027.5 | 52.5° | 16734.1 | 11474.7 | 1571.3 | 810.3  | 618.1  | 563.6  | 389.6  | 329.9  | 345.4  | 350.6  |
| 22048.1 | 55°   | 17814.6 | 11433.1 | 1412.9 | 667.5  | 524.6  | 498.7  | 379.2  | 316.9  | 327.3  | 329.9  |
| 23957.1 | 57.5° | 18669.1 | 10853.9 | 1119.4 | 519.5  | 426.0  | 415.6  | 345.4  | 301.3  | 309.1  | 306.5  |
| 25707.7 | 60°   | 19115.8 | 9581.3  | 800.0  | 400.0  | 335.0  | 327.3  | 303.9  | 280.5  | 285.7  | 272.7  |
| 27190.7 | 62.5° | 19121.0 | 7898.3  | 535.0  | 316.9  | 267.5  | 259.7  | 259.7  | 251.9  | 246.7  | 220.8  |
| 28338.7 | 65°   | 18713.2 | 6030.8  | 355.8  | 251.9  | 215.6  | 202.6  | 218.2  | 215.6  | 197.4  | 161.0  |
| 28689.3 | 67.5° | 17788.6 | 3953.0  | 270.1  | 197.4  | 166.2  | 158.4  | 174.0  | 181.8  | 168.8  | 135.1  |
| 27411.5 | 70°   | 15887.4 | 2301.2  | 223.4  | 153.2  | 124.7  | 116.9  | 140.3  | 155.8  | 140.3  | 109.1  |
| 23429.9 | 72.5° | 13196.7 | 1241.5  | 181.8  | 114.3  | 85.7   | 77.9   | 111.7  | 127.3  | 111.7  | 80.5   |
| 15032.9 | 75°   | 8563.2  | 664.9   | 140.3  | 75.3   | 44.2   | 49.3   | 83.1   | 93.5   | 77.9   | 51.9   |
| 4412.7  | 77.5° | 2875.2  | 293.5   | 88.3   | 36.4   | 20.8   | 20.8   | 49.3   | 57.1   | 36.4   | 18.2   |
| 802.6   | 80°   | 641.5   | 122.1   | 36.4   | 15.6   | 7.8    | 7.8    | 10.4   | 10.4   | 5.2    | 0.0    |
| 246.7   | 82.5° | 210.4   | 49.3    | 15.6   | 5.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.3    | 85°   | 80.5    | 18.2    | 5.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 20.8    | 87.5° | 31.2    | 2.6     | 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°   |
|--------|
| 6415.2 |
| 6329.5 |
| 5565.9 |
| 4428.3 |
| 2973.9 |
| 1789.5 |
| 1327.2 |
| 1244.1 |
| 1186.9 |
| 1109.0 |
| 1007.7 |
| 909.0  |
| 807.7  |
| 688.3  |
| 576.6  |
| 490.9  |
| 446.7  |
| 420.8  |
| 402.6  |
| 387.0  |
| 371.4  |
| 350.6  |
| 329.9  |
| 306.5  |
| 270.1  |
| 213.0  |
| 155.8  |
| 132.5  |
| 103.9  |
| 77.9   |
| 46.8   |
| 15.6   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |