

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: P948581

Luminaire Tested: **GLAN-SB3C-830-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948581  
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-SB3C-830-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 17095 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 149.1  
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

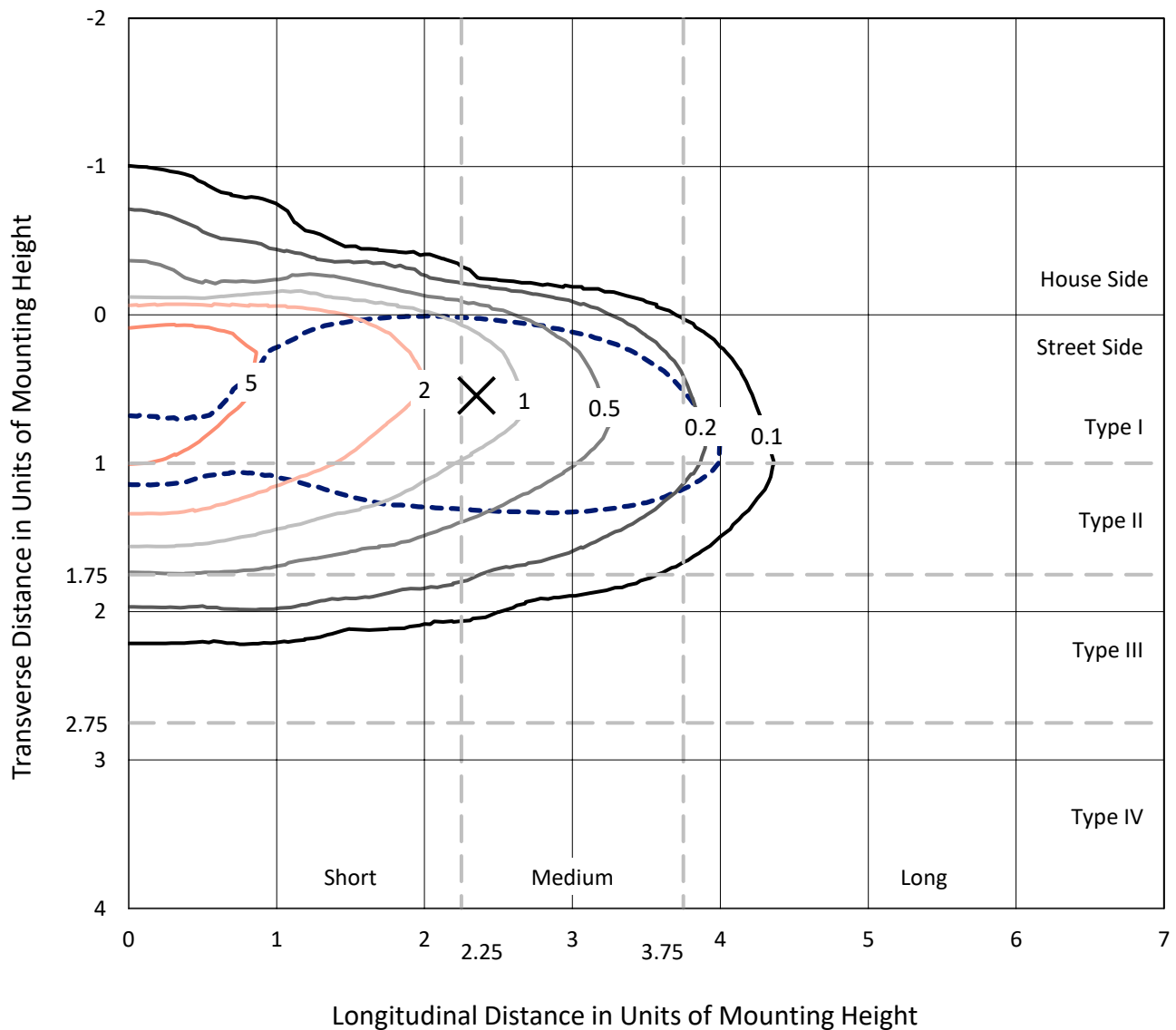


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## Iso-Footcandle Lines of Horizontal Illumination

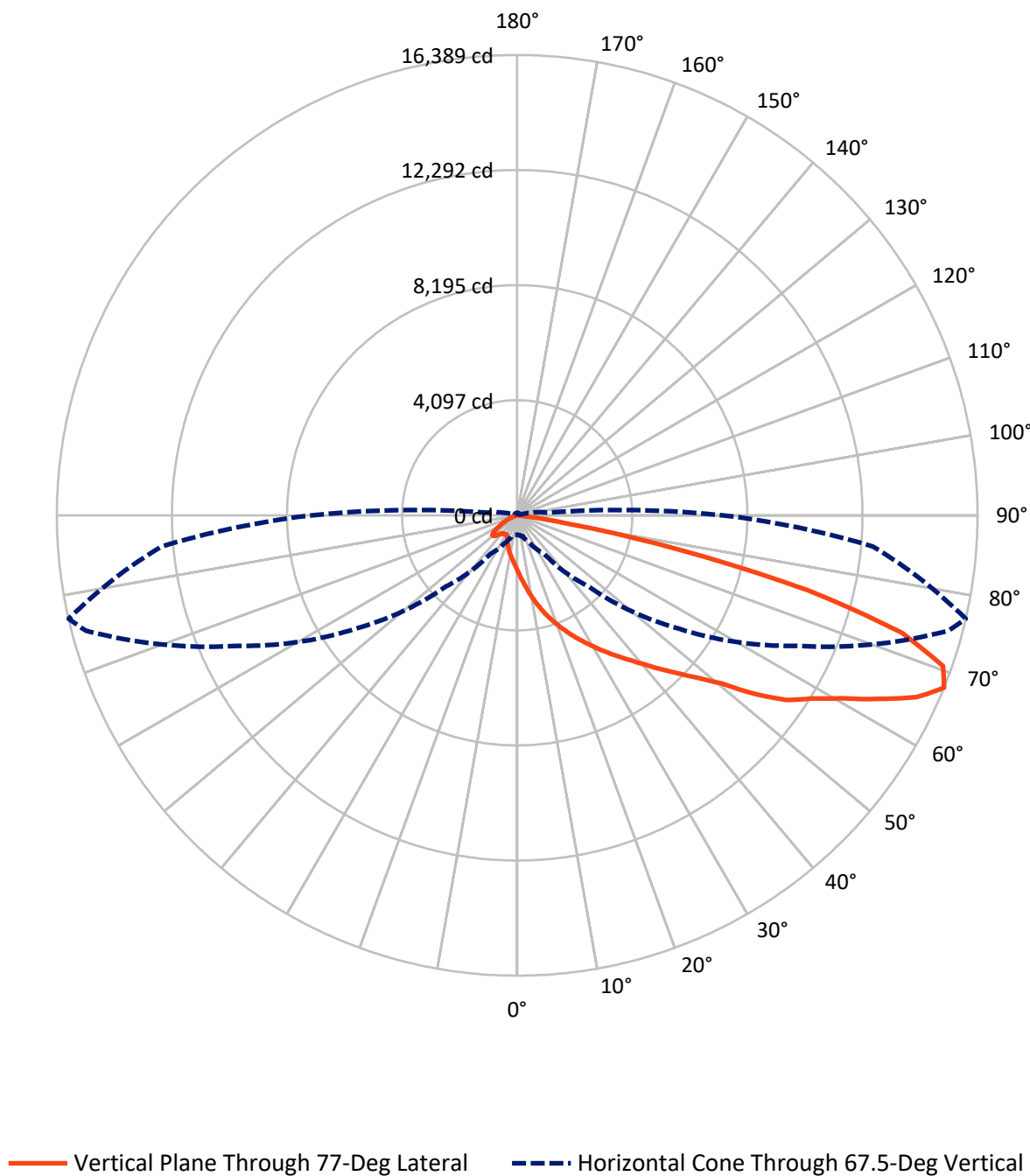
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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    | 1257.7   | 0.0    | 1257.7  |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 15837.3  | 0.0    | 15837.3 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 17095.0  | 0.0    | 17095.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 201.2   | 1.2       |
| 10°-20°   | 704.6   | 4.1       |
| 20°-30°   | 1359.7  | 8.0       |
| 30°-40°   | 2360.5  | 13.8      |
| 40°-50°   | 3427.3  | 20.0      |
| 50°-60°   | 3935.8  | 23.0      |
| 60°-70°   | 3417.0  | 20.0      |
| 70°-80°   | 1609.4  | 9.4       |
| 80°-90°   | 79.6    | 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°    | 17095.0 | 100.0     |
| 0°-180°   | 17095.0 | 100.0     |

**Coefficient of Utilization**



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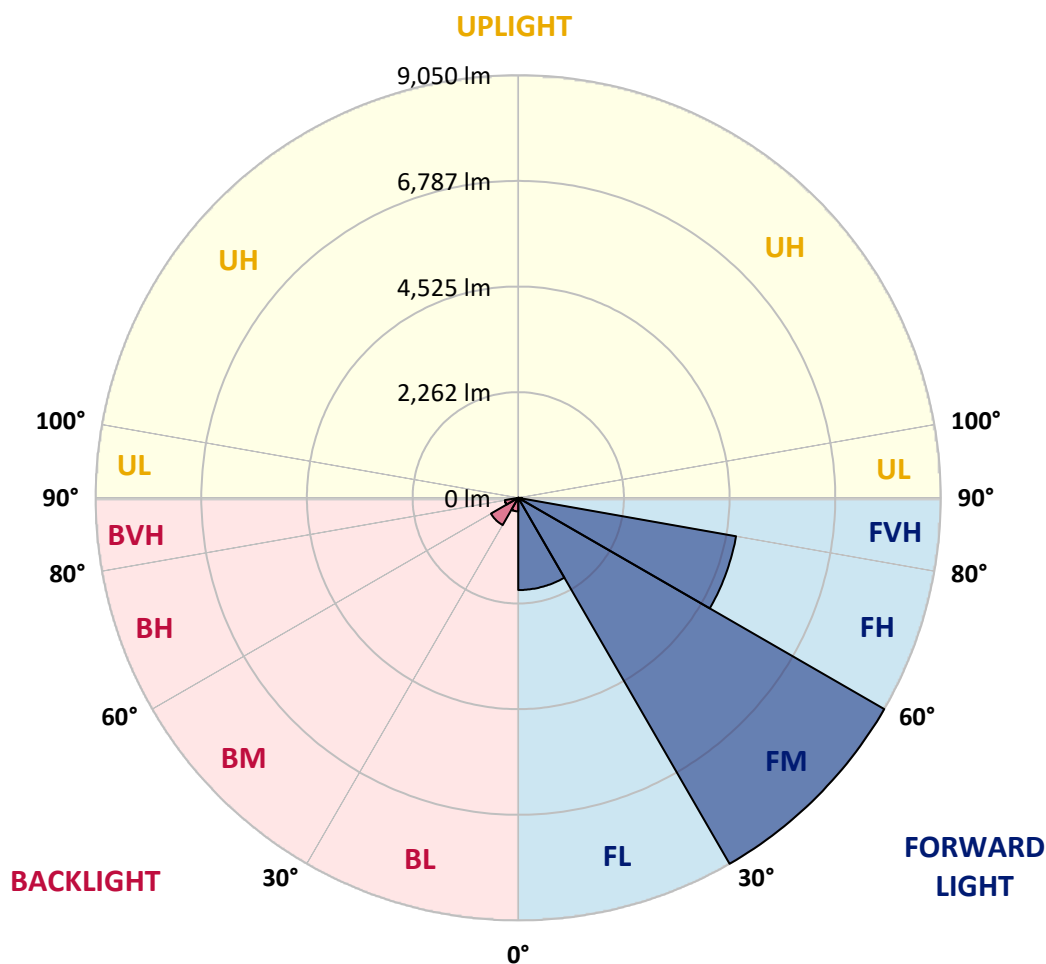
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1974.3 | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 9049.6 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 4735.3 | 27.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 78.1   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 291.2  | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 673.9  | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 291.2  | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.5    | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 77°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 1971.3 | 1971.3 | 1971.3 | 1971.3 | 1971.3 | 1971.3 | 1971.3  | 1971.3  | 1971.3  | 1971.3  |
| 2.5°  | 2729.3 | 2746.2 | 2721.8 | 2675.1 | 2605.1 | 2559.4 | 2447.9  | 2342.8  | 2226.1  | 2188.9  |
| 5°    | 3326.9 | 3341.8 | 3314.2 | 3263.2 | 3169.8 | 3080.6 | 2934.1  | 2714.4  | 2486.2  | 2412.9  |
| 7.5°  | 3769.6 | 3778.1 | 3767.5 | 3720.7 | 3631.6 | 3530.7 | 3367.2  | 3107.2  | 2768.5  | 2687.9  |
| 10°   | 4088.0 | 4115.6 | 4112.5 | 4094.4 | 4035.0 | 3953.2 | 3779.1  | 3483.0  | 3084.9  | 2980.8  |
| 12.5° | 4299.3 | 4330.1 | 4348.1 | 4388.5 | 4385.3 | 4333.3 | 4180.4  | 3867.2  | 3400.2  | 3278.1  |
| 15°   | 4360.9 | 4393.8 | 4462.8 | 4556.2 | 4639.0 | 4665.5 | 4558.3  | 4244.1  | 3747.3  | 3591.2  |
| 17.5° | 4325.8 | 4376.8 | 4459.6 | 4607.1 | 4788.7 | 4908.6 | 4896.9  | 4608.2  | 4062.6  | 3884.2  |
| 20°   | 4403.3 | 4452.2 | 4516.9 | 4641.1 | 4852.4 | 5070.0 | 5157.0  | 4956.4  | 4375.7  | 4188.9  |
| 22.5° | 4832.2 | 4823.7 | 4830.1 | 4850.2 | 4976.6 | 5192.1 | 5371.5  | 5272.7  | 4685.7  | 4494.6  |
| 25°   | 5511.6 | 5473.4 | 5408.6 | 5299.3 | 5267.4 | 5371.5 | 5558.3  | 5553.0  | 5012.7  | 4807.8  |
| 27.5° | 6290.8 | 6284.4 | 6132.6 | 5869.3 | 5720.7 | 5680.4 | 5769.5  | 5825.8  | 5336.4  | 5117.7  |
| 30°   | 7037.0 | 7054.0 | 6849.1 | 6556.2 | 6283.3 | 6125.2 | 6044.5  | 6084.8  | 5665.5  | 5452.1  |
| 32.5° | 7686.7 | 7704.8 | 7481.8 | 7138.9 | 6801.4 | 6610.3 | 6440.4  | 6340.7  | 6024.3  | 5791.8  |
| 35°   | 8235.5 | 8253.6 | 7997.7 | 7618.8 | 7258.9 | 7085.9 | 6893.7  | 6620.9  | 6385.2  | 6168.7  |
| 37.5° | 8726.0 | 8720.7 | 8377.8 | 7995.6 | 7642.1 | 7505.2 | 7404.3  | 6965.9  | 6756.8  | 6547.7  |
| 40°   | 9015.8 | 9038.1 | 8745.1 | 8323.6 | 7980.8 | 7881.0 | 7874.6  | 7393.7  | 7185.7  | 6982.9  |
| 42.5° | 9100.7 | 9140.0 | 8927.7 | 8581.6 | 8270.6 | 8162.3 | 8328.9  | 7856.6  | 7684.6  | 7487.1  |
| 45°   | 8947.8 | 8986.1 | 8889.4 | 8649.5 | 8468.0 | 8397.9 | 8719.6  | 8336.4  | 8217.5  | 8022.2  |
| 47.5° | 8502.0 | 8549.8 | 8573.1 | 8522.2 | 8520.0 | 8591.2 | 9069.9  | 8841.7  | 8850.2  | 8650.6  |
| 50°   | 7638.9 | 7719.6 | 7934.1 | 8114.5 | 8393.7 | 8744.0 | 9410.7  | 9389.4  | 9563.5  | 9391.6  |
| 52.5° | 6070.0 | 6184.6 | 6923.5 | 7417.1 | 8044.5 | 8715.4 | 9785.4  | 10268.4 | 10815.1 | 10563.5 |
| 55°   | 4877.8 | 4877.8 | 5478.7 | 6402.2 | 7362.9 | 8526.4 | 9948.9  | 10839.5 | 11667.5 | 11608.1 |
| 57.5° | 3976.6 | 4024.3 | 4407.6 | 5223.9 | 6376.8 | 8076.3 | 10049.7 | 11198.3 | 12354.4 | 12310.8 |
| 60°   | 2454.3 | 2557.3 | 3281.3 | 4087.0 | 5254.7 | 7274.8 | 9986.0  | 11561.4 | 13187.7 | 13222.7 |
| 62.5° | 1382.1 | 1420.4 | 1743.1 | 2940.5 | 4085.9 | 6197.3 | 9498.8  | 11764.1 | 14253.5 | 14402.1 |
| 65°   | 954.3  | 973.4  | 1097.6 | 1830.1 | 2832.2 | 4934.1 | 8546.6  | 11637.8 | 15321.4 | 15621.8 |
| 67.5° | 693.2  | 702.7  | 780.2  | 1117.8 | 1680.4 | 3577.4 | 7054.0  | 11000.9 | 15887.2 | 16389.3 |
| 70°   | 532.9  | 539.3  | 595.5  | 734.6  | 992.6  | 2208.0 | 5123.1  | 9734.4  | 15477.4 | 16077.2 |
| 72.5° | 433.1  | 439.5  | 483.0  | 543.5  | 658.2  | 1305.7 | 3105.0  | 7905.4  | 13668.6 | 14316.1 |
| 75°   | 365.2  | 373.7  | 412.9  | 452.2  | 515.9  | 838.6  | 1456.5  | 5505.2  | 10279.0 | 10703.6 |
| 77.5° | 202.8  | 186.8  | 335.5  | 374.7  | 435.2  | 530.8  | 681.5   | 3239.9  | 5756.8  | 5874.6  |
| 80°   | 126.3  | 130.6  | 266.4  | 301.5  | 334.4  | 267.5  | 312.1   | 1247.3  | 1995.7  | 1895.9  |
| 82.5° | 7.4    | 17.0   | 204.9  | 217.6  | 229.3  | 114.6  | 117.8   | 423.6   | 480.9   | 441.6   |
| 85°   | 0.0    | 0.0    | 93.4   | 75.4   | 79.6   | 32.9   | 34.0    | 98.7    | 64.8    | 70.1    |
| 87.5° | 0.0    | 0.0    | 0.0    | 2.1    | 0.0    | 3.2    | 6.4     | 8.5     | 3.2     | 4.2     |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1971.3  | 0°    | 1971.3 | 1971.3 | 1971.3 | 1971.3 | 1971.3 | 1971.3 | 1971.3 | 1971.3 | 1971.3 | 1971.3 |
| 2072.2  | 2.5°  | 1997.8 | 1923.5 | 1772.8 | 1625.2 | 1505.3 | 1393.8 | 1314.2 | 1238.8 | 1200.6 | 1198.5 |
| 2205.9  | 5°    | 2058.4 | 1902.3 | 1600.8 | 1334.4 | 1119.9 | 948.0  | 836.5  | 756.9  | 716.5  | 702.7  |
| 2370.4  | 7.5°  | 2143.3 | 1908.7 | 1450.1 | 1079.6 | 827.0  | 679.4  | 615.7  | 590.2  | 581.7  | 572.2  |
| 2556.2  | 10°   | 2250.5 | 1923.5 | 1315.3 | 869.4  | 651.8  | 577.5  | 552.0  | 541.4  | 535.0  | 528.7  |
| 2765.3  | 12.5° | 2370.4 | 1937.3 | 1181.5 | 721.9  | 573.2  | 535.0  | 517.0  | 504.2  | 495.7  | 488.3  |
| 2979.8  | 15°   | 2487.2 | 1945.8 | 1042.4 | 618.9  | 532.9  | 502.1  | 483.0  | 469.2  | 457.5  | 449.0  |
| 3190.0  | 17.5° | 2602.9 | 1957.5 | 911.9  | 557.3  | 500.0  | 469.2  | 450.1  | 433.1  | 423.6  | 414.0  |
| 3410.8  | 20°   | 2731.4 | 1955.4 | 788.7  | 513.8  | 467.1  | 436.3  | 416.1  | 400.2  | 390.7  | 380.0  |
| 3644.3  | 22.5° | 2850.3 | 1944.8 | 680.5  | 476.6  | 433.1  | 403.4  | 381.1  | 365.2  | 355.6  | 347.1  |
| 3883.2  | 25°   | 2987.2 | 1936.3 | 590.2  | 442.7  | 401.3  | 371.5  | 347.1  | 332.3  | 321.7  | 314.2  |
| 4123.1  | 27.5° | 3118.8 | 1923.5 | 524.4  | 411.9  | 370.5  | 341.8  | 318.5  | 301.5  | 291.9  | 286.6  |
| 4370.4  | 30°   | 3248.4 | 1920.4 | 500.0  | 382.2  | 342.9  | 314.2  | 290.9  | 274.9  | 267.5  | 265.4  |
| 4642.2  | 32.5° | 3404.4 | 1928.8 | 510.6  | 371.5  | 317.4  | 288.7  | 266.4  | 254.8  | 247.3  | 247.3  |
| 4944.7  | 35°   | 3571.1 | 1926.7 | 526.5  | 381.1  | 300.4  | 263.3  | 246.3  | 238.8  | 231.4  | 231.4  |
| 5280.2  | 37.5° | 3780.2 | 1929.9 | 539.3  | 397.0  | 294.1  | 242.0  | 232.5  | 222.9  | 218.7  | 218.7  |
| 5647.5  | 40°   | 4092.3 | 2035.0 | 532.9  | 410.8  | 291.9  | 227.2  | 208.1  | 204.9  | 201.7  | 201.7  |
| 6062.5  | 42.5° | 4474.4 | 2263.2 | 541.4  | 411.9  | 290.9  | 216.6  | 191.1  | 197.4  | 190.0  | 189.0  |
| 6530.7  | 45°   | 4892.7 | 2512.7 | 595.5  | 389.6  | 289.8  | 211.2  | 182.6  | 190.0  | 178.3  | 178.3  |
| 7073.1  | 47.5° | 5307.8 | 2760.0 | 650.7  | 357.7  | 286.6  | 210.2  | 175.2  | 170.9  | 167.7  | 168.8  |
| 7780.1  | 50°   | 5879.9 | 2961.7 | 672.0  | 314.2  | 279.2  | 208.1  | 161.4  | 162.4  | 160.3  | 162.4  |
| 8776.9  | 52.5° | 6503.1 | 3004.2 | 646.5  | 265.4  | 258.0  | 201.7  | 151.8  | 156.0  | 155.0  | 157.1  |
| 9478.6  | 55°   | 6891.6 | 2958.5 | 534.0  | 220.8  | 225.0  | 176.2  | 142.2  | 150.7  | 150.7  | 150.7  |
| 10164.4 | 57.5° | 7292.9 | 2764.3 | 379.0  | 179.4  | 186.8  | 144.4  | 133.8  | 145.4  | 144.4  | 143.3  |
| 10990.3 | 60°   | 7581.6 | 2450.1 | 249.5  | 147.6  | 148.6  | 118.9  | 124.2  | 136.9  | 135.9  | 130.6  |
| 11841.6 | 62.5° | 7797.1 | 2102.9 | 160.3  | 125.3  | 113.6  | 107.2  | 113.6  | 124.2  | 120.0  | 108.3  |
| 12563.5 | 65°   | 7772.7 | 1622.1 | 123.1  | 107.2  | 93.4   | 93.4   | 98.7   | 108.3  | 95.5   | 76.4   |
| 12701.5 | 67.5° | 7319.4 | 1097.6 | 101.9  | 90.2   | 78.6   | 77.5   | 81.7   | 90.2   | 81.7   | 64.8   |
| 11994.5 | 70°   | 6509.4 | 717.6  | 81.7   | 70.1   | 62.6   | 57.3   | 65.8   | 77.5   | 69.0   | 52.0   |
| 10211.1 | 72.5° | 5283.4 | 437.4  | 61.6   | 51.0   | 45.6   | 37.2   | 52.0   | 63.7   | 55.2   | 38.2   |
| 7100.7  | 75°   | 3418.2 | 222.9  | 42.5   | 32.9   | 24.4   | 22.3   | 38.2   | 47.8   | 38.2   | 23.4   |
| 3150.7  | 77.5° | 1307.8 | 93.4   | 23.4   | 14.9   | 12.7   | 10.6   | 21.2   | 28.7   | 15.9   | 5.3    |
| 610.4   | 80°   | 251.6  | 39.3   | 11.7   | 7.4    | 6.4    | 4.2    | 3.2    | 2.1    | 0.0    | 0.0    |
| 108.3   | 82.5° | 43.5   | 12.7   | 4.2    | 2.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 21.2    | 85°   | 14.9   | 2.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 7.4     | 87.5° | 5.3    | 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°   |
|--------|
| 1971.3 |
| 1196.4 |
| 700.6  |
| 570.1  |
| 526.5  |
| 486.2  |
| 448.0  |
| 412.9  |
| 379.0  |
| 346.1  |
| 313.2  |
| 286.6  |
| 264.3  |
| 247.3  |
| 231.4  |
| 218.7  |
| 201.7  |
| 187.9  |
| 178.3  |
| 168.8  |
| 162.4  |
| 157.1  |
| 150.7  |
| 143.3  |
| 130.6  |
| 106.2  |
| 74.3   |
| 62.6   |
| 49.9   |
| 36.1   |
| 20.2   |
| 4.2    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |