

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: P954871

Luminaire Tested: **GLAN-SB8A-730-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954871  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-730-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36890 lumens  
Efficiency: N/A  
Efficacy: 162.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 227.1  
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

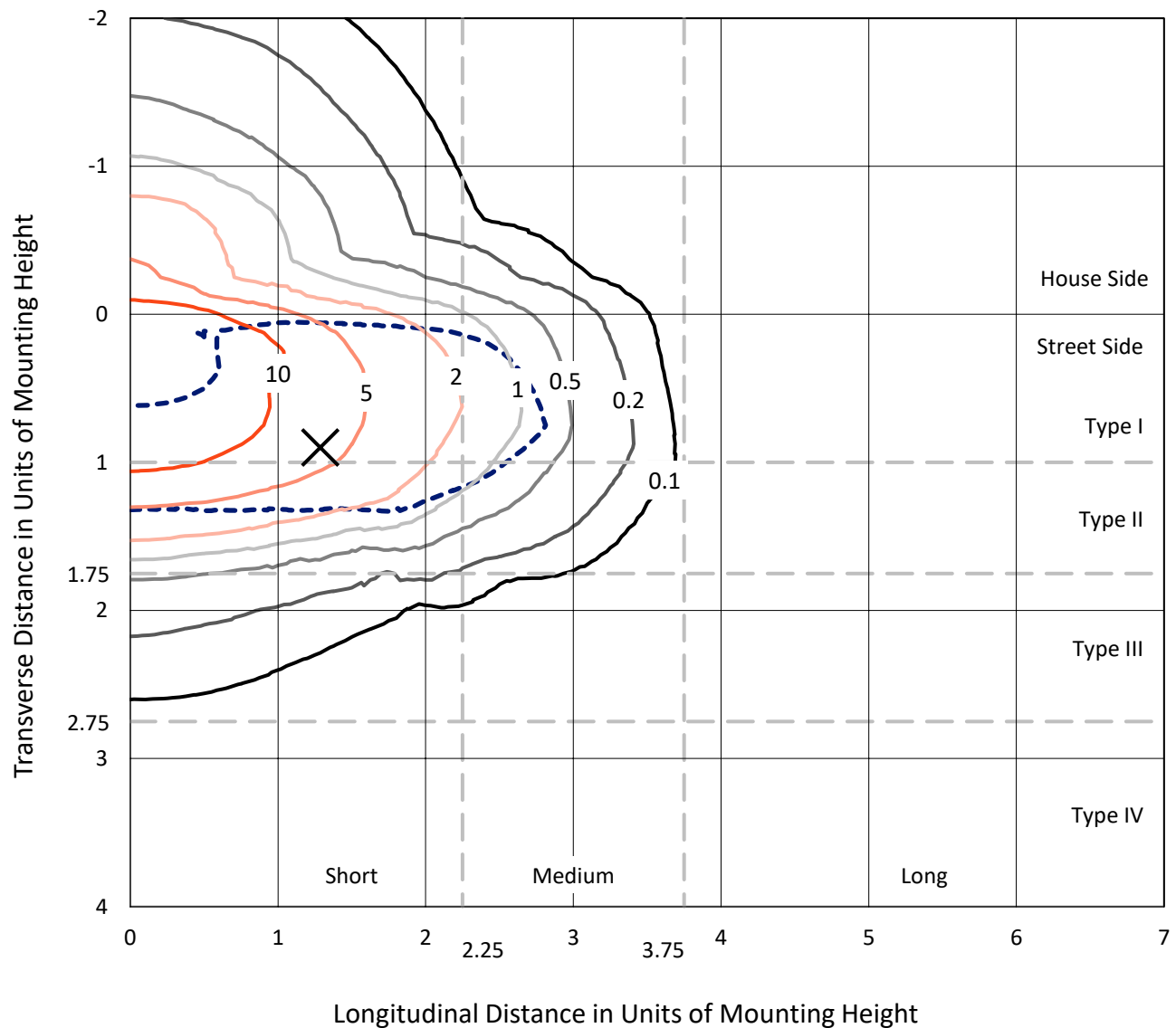


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## Iso-Footcandle Lines of Horizontal Illumination

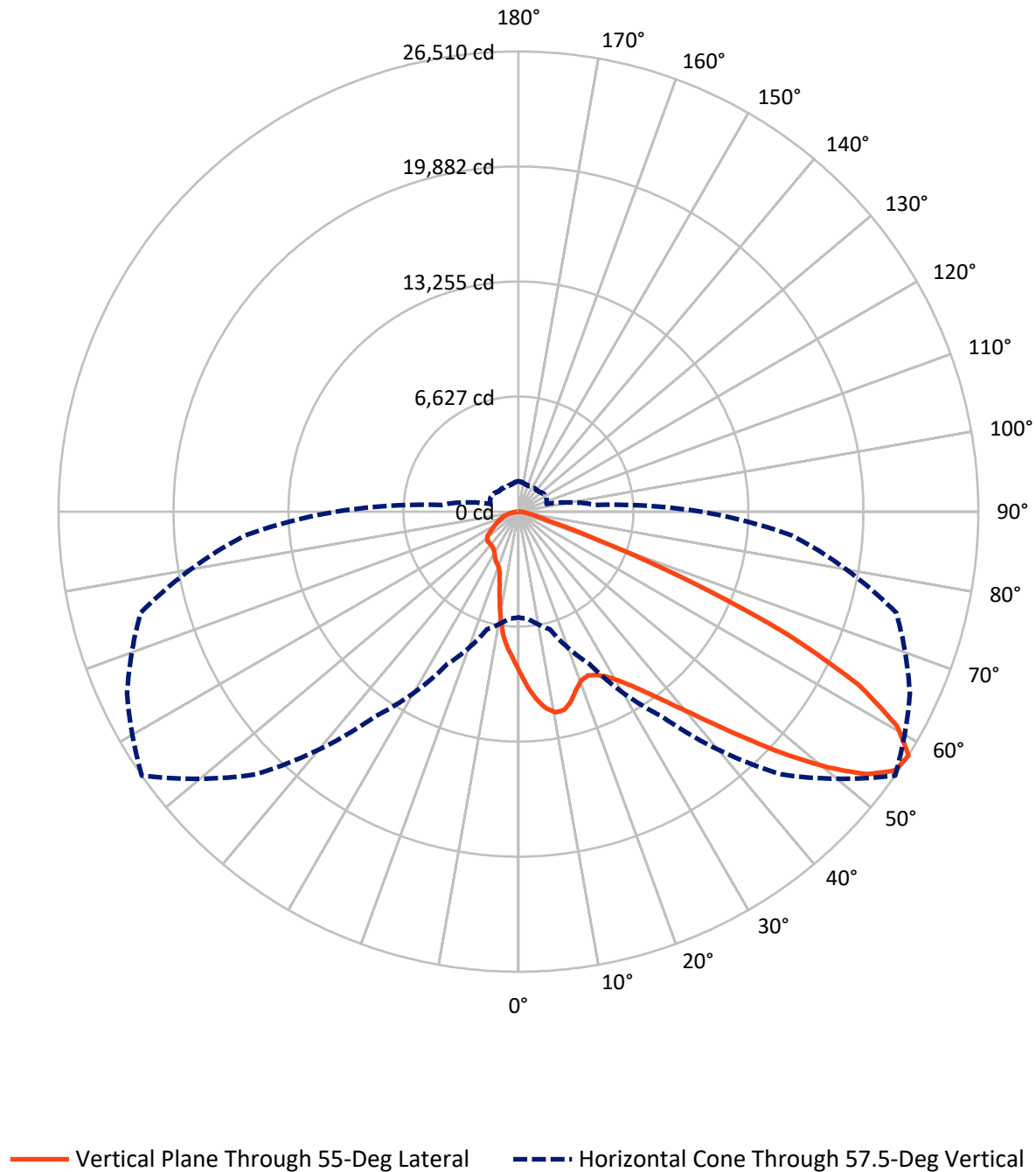
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc  
Type II - 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    | 6675.1   | 0.0    | 6675.1  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 30214.9  | 0.0    | 30214.9 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 36890.0  | 0.0    | 36890.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 857.7   | 2.3       |
| 10°-20°   | 2165.0  | 5.9       |
| 20°-30°   | 3454.7  | 9.4       |
| 30°-40°   | 5469.6  | 14.8      |
| 40°-50°   | 8371.8  | 22.7      |
| 50°-60°   | 8967.0  | 24.3      |
| 60°-70°   | 5641.2  | 15.3      |
| 70°-80°   | 1668.2  | 4.5       |
| 80°-90°   | 295.0   | 0.8       |
| 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°    | 36890.0 | 100.0     |
| 0°-180°   | 36890.0 | 100.0     |

**Coefficient of Utilization**



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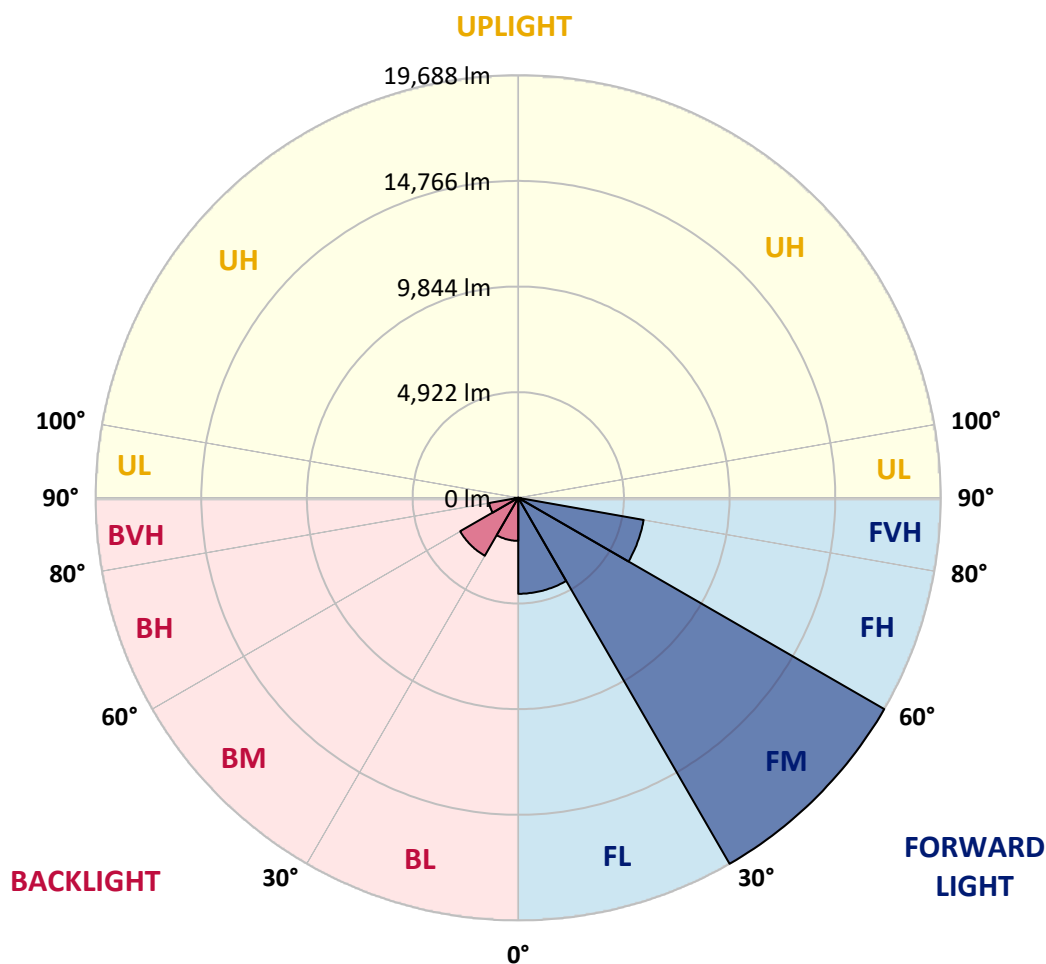
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4471.1  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 19688.5 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 5930.8  | 16.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 124.6   | 0.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2006.3  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3119.9  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1378.6  | 3.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 170.3   | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9243.4  | 9243.4  | 9243.4  | 9243.4  | 9243.4  | 9243.4  | 9243.4  | 9243.4  | 9243.4  | 9243.4  |
| 2.5°  | 10605.1 | 10597.4 | 10639.4 | 10496.4 | 10399.1 | 10267.5 | 10094.0 | 9872.8  | 9634.4  | 9382.7  |
| 5°    | 11560.5 | 11493.7 | 11537.6 | 11430.8 | 11324.0 | 11125.7 | 10868.2 | 10507.8 | 10067.3 | 9565.7  |
| 7.5°  | 11409.8 | 11364.1 | 11476.6 | 11571.9 | 11652.0 | 11627.2 | 11438.4 | 11060.8 | 10492.5 | 9764.1  |
| 10°   | 10195.1 | 10143.6 | 10301.8 | 10631.8 | 11116.2 | 11537.6 | 11766.5 | 11531.9 | 10927.4 | 9981.5  |
| 12.5° | 9123.3  | 9098.5  | 9203.4  | 9470.4  | 10008.2 | 10816.7 | 11724.5 | 11943.8 | 11379.3 | 10238.9 |
| 15°   | 8665.6  | 8635.1  | 8701.8  | 8837.2  | 9180.5  | 9933.8  | 11343.1 | 12226.1 | 11823.7 | 10536.4 |
| 17.5° | 8564.5  | 8530.2  | 8558.8  | 8629.4  | 8850.6  | 9424.6  | 10767.2 | 12365.3 | 12287.1 | 10868.2 |
| 20°   | 8751.4  | 8722.8  | 8726.6  | 8722.8  | 8877.3  | 9333.1  | 10366.7 | 12311.9 | 12691.4 | 11173.4 |
| 22.5° | 9203.4  | 9155.7  | 9157.6  | 9056.5  | 9140.5  | 9493.3  | 10261.8 | 12168.8 | 13051.8 | 11440.3 |
| 25°   | 9939.5  | 9853.7  | 9870.9  | 9613.4  | 9590.5  | 9851.8  | 10425.8 | 12058.2 | 13410.3 | 11653.9 |
| 27.5° | 10946.4 | 10849.2 | 10797.7 | 10414.4 | 10231.3 | 10361.0 | 10759.5 | 12096.4 | 13749.8 | 11838.9 |
| 30°   | 12205.1 | 12086.8 | 11982.0 | 11438.4 | 11106.6 | 11058.9 | 11278.3 | 12348.1 | 14150.3 | 12033.4 |
| 32.5° | 13747.9 | 13610.6 | 13419.9 | 12699.0 | 12231.8 | 11982.0 | 11949.5 | 12796.3 | 14619.4 | 12281.4 |
| 35°   | 15584.4 | 15405.1 | 15134.3 | 14201.7 | 13610.6 | 13099.5 | 12834.4 | 13442.7 | 15262.1 | 12655.1 |
| 37.5° | 17476.1 | 17274.0 | 17026.1 | 15916.2 | 15189.6 | 14436.3 | 13913.8 | 14320.0 | 16118.3 | 13162.4 |
| 40°   | 19221.1 | 18994.1 | 18763.4 | 17775.5 | 16995.6 | 16087.8 | 15235.4 | 15429.9 | 17165.3 | 13768.8 |
| 42.5° | 20250.9 | 20083.1 | 19995.3 | 19461.4 | 18858.7 | 17937.6 | 16879.2 | 16745.7 | 18341.9 | 14466.8 |
| 45°   | 20205.1 | 20136.5 | 20407.3 | 20628.5 | 20485.5 | 19974.4 | 18805.3 | 18200.8 | 19522.4 | 15071.4 |
| 47.5° | 19125.7 | 19171.5 | 19776.0 | 21019.4 | 21566.7 | 21833.7 | 20998.4 | 19629.2 | 20548.4 | 15523.3 |
| 50°   | 16188.9 | 16227.0 | 17626.8 | 20308.1 | 21845.2 | 23349.8 | 23174.4 | 21023.2 | 21343.6 | 15799.8 |
| 52.5° | 13864.2 | 13889.0 | 14489.7 | 18198.9 | 20926.0 | 24112.6 | 25134.8 | 22337.2 | 21925.3 | 15876.1 |
| 55°   | 10443.0 | 10528.8 | 11202.0 | 14278.0 | 18534.5 | 23508.1 | 26328.6 | 23691.2 | 22293.3 | 15883.8 |
| 57.5° | 6100.6  | 6194.1  | 7025.5  | 9691.6  | 14405.8 | 21400.8 | 26509.8 | 24892.6 | 22543.2 | 15822.7 |
| 60°   | 2988.3  | 3028.4  | 3390.7  | 5093.7  | 8883.0  | 17340.7 | 25052.8 | 25474.3 | 22682.4 | 15790.3 |
| 62.5° | 2013.8  | 2008.1  | 2023.4  | 2513.5  | 4376.7  | 11140.9 | 22016.8 | 24455.9 | 22608.0 | 15666.4 |
| 65°   | 1731.6  | 1710.6  | 1653.4  | 1764.0  | 2267.5  | 5095.6  | 17010.8 | 21416.1 | 22041.6 | 15355.5 |
| 67.5° | 1497.0  | 1498.9  | 1500.8  | 1466.5  | 1619.1  | 2351.4  | 10395.3 | 16869.7 | 20008.7 | 13883.3 |
| 70°   | 1239.6  | 1256.7  | 1264.4  | 1264.4  | 1319.7  | 1542.8  | 4437.7  | 11562.4 | 15782.7 | 10885.4 |
| 72.5° | 1129.0  | 1092.7  | 1096.5  | 1077.5  | 1077.5  | 1174.7  | 1786.9  | 6554.5  | 9943.3  | 6123.5  |
| 75°   | 921.1   | 944.0   | 947.8   | 934.5   | 890.6   | 896.3   | 1060.3  | 2750.0  | 4254.6  | 2540.2  |
| 77.5° | 795.2   | 795.2   | 802.9   | 793.3   | 759.0   | 671.3   | 707.5   | 1066.0  | 1447.4  | 1041.2  |
| 80°   | 638.9   | 637.0   | 669.4   | 688.4   | 635.0   | 495.8   | 452.0   | 589.3   | 642.7   | 457.7   |
| 82.5° | 310.8   | 329.9   | 459.6   | 524.4   | 482.5   | 358.5   | 276.5   | 366.2   | 343.3   | 202.1   |
| 85°   | 181.2   | 171.6   | 206.0   | 291.8   | 276.5   | 198.3   | 133.5   | 190.7   | 179.3   | 103.0   |
| 87.5° | 57.2    | 53.4    | 42.0    | 99.2    | 80.1    | 55.3    | 36.2    | 55.3    | 49.6    | 22.9    |
| 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):**

| 90°     |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9243.4  | 0°    | 9243.4 | 9243.4 | 9243.4 | 9243.4 | 9243.4 | 9243.4 | 9243.4 | 9243.4 | 9243.4 | 9243.4 |
| 9273.9  | 2.5°  | 9138.5 | 8913.5 | 8690.4 | 8486.3 | 8362.4 | 8282.3 | 8202.2 | 8112.6 | 8078.2 | 8026.7 |
| 9298.7  | 5°    | 9047.0 | 8612.2 | 8225.1 | 7891.3 | 7588.1 | 7349.7 | 7109.5 | 6914.9 | 6827.2 | 6886.3 |
| 9376.9  | 7.5°  | 8993.6 | 8364.3 | 7767.4 | 7155.2 | 6565.9 | 6094.9 | 5684.9 | 5396.9 | 5267.3 | 5299.7 |
| 9453.2  | 10°   | 8945.9 | 8084.0 | 7174.3 | 6207.4 | 5360.7 | 4777.1 | 4357.6 | 4138.3 | 4056.3 | 4073.4 |
| 9556.2  | 12.5° | 8902.1 | 7769.3 | 6459.2 | 5187.2 | 4287.0 | 3901.8 | 3781.7 | 3783.6 | 3798.8 | 3810.3 |
| 9720.2  | 15°   | 8894.4 | 7389.8 | 5660.1 | 4294.7 | 3707.3 | 3682.5 | 3812.2 | 3894.2 | 3938.0 | 3951.4 |
| 9857.5  | 17.5° | 8883.0 | 6935.9 | 4845.8 | 3686.3 | 3566.2 | 3734.0 | 3854.1 | 3907.5 | 3941.9 | 3943.8 |
| 9991.0  | 20°   | 8837.2 | 6360.0 | 4094.4 | 3396.4 | 3535.7 | 3680.6 | 3755.0 | 3796.9 | 3825.5 | 3835.1 |
| 10092.1 | 22.5° | 8696.1 | 5719.2 | 3509.0 | 3266.8 | 3413.6 | 3529.9 | 3617.7 | 3665.3 | 3682.5 | 3693.9 |
| 10111.1 | 25°   | 8442.5 | 5002.2 | 3104.7 | 3142.8 | 3243.9 | 3390.7 | 3461.3 | 3470.8 | 3465.1 | 3482.3 |
| 10063.5 | 27.5° | 8110.7 | 4233.6 | 2852.9 | 2975.0 | 3104.7 | 3230.5 | 3268.7 | 3263.0 | 3251.5 | 3270.6 |
| 9981.5  | 30°   | 7710.2 | 3543.3 | 2692.7 | 2786.2 | 2963.5 | 3078.0 | 3112.3 | 3098.9 | 3076.1 | 3097.0 |
| 9939.5  | 32.5° | 7286.8 | 2978.8 | 2561.2 | 2654.6 | 2847.2 | 2959.7 | 2994.1 | 2980.7 | 2963.5 | 2980.7 |
| 9987.2  | 35°   | 6892.1 | 2584.0 | 2439.1 | 2566.9 | 2755.7 | 2866.3 | 2910.1 | 2912.1 | 2912.1 | 2933.0 |
| 10113.0 | 37.5° | 6529.7 | 2353.3 | 2338.0 | 2511.6 | 2692.7 | 2791.9 | 2854.8 | 2858.7 | 2776.7 | 2782.4 |
| 10326.6 | 40°   | 6194.1 | 2256.0 | 2292.3 | 2475.3 | 2631.7 | 2727.1 | 2730.9 | 2517.3 | 2366.6 | 2362.8 |
| 10570.7 | 42.5° | 5919.5 | 2237.0 | 2305.6 | 2471.5 | 2587.9 | 2591.7 | 2322.8 | 2156.9 | 2114.9 | 2116.8 |
| 10795.8 | 45°   | 5662.0 | 2231.2 | 2336.1 | 2471.5 | 2523.0 | 2238.9 | 2057.7 | 2013.8 | 2017.7 | 2032.9 |
| 10896.8 | 47.5° | 5374.0 | 2208.4 | 2341.8 | 2437.2 | 2336.1 | 1991.0 | 1937.6 | 1918.5 | 1910.9 | 1914.7 |
| 10874.0 | 50°   | 5059.4 | 2126.4 | 2269.4 | 2368.5 | 2015.7 | 1884.2 | 1817.4 | 1811.7 | 1821.2 | 1826.9 |
| 10746.2 | 52.5° | 4727.6 | 1992.9 | 2145.4 | 2244.6 | 1868.9 | 1790.7 | 1716.3 | 1729.7 | 1771.6 | 1785.0 |
| 10612.7 | 55°   | 4510.2 | 1836.5 | 1981.4 | 1996.7 | 1765.9 | 1703.0 | 1640.1 | 1670.6 | 1748.8 | 1773.5 |
| 10532.6 | 57.5° | 4452.9 | 1670.6 | 1794.5 | 1777.4 | 1634.3 | 1626.7 | 1588.6 | 1615.3 | 1714.4 | 1750.7 |
| 10528.8 | 60°   | 4435.8 | 1521.8 | 1611.5 | 1598.1 | 1506.6 | 1542.8 | 1533.3 | 1546.6 | 1580.9 | 1592.4 |
| 10490.6 | 62.5° | 4302.3 | 1403.6 | 1447.4 | 1428.4 | 1392.1 | 1455.1 | 1478.0 | 1449.4 | 1476.1 | 1489.4 |
| 10229.4 | 65°   | 3962.8 | 1308.2 | 1287.3 | 1273.9 | 1289.2 | 1346.4 | 1392.1 | 1334.9 | 1359.7 | 1397.9 |
| 9222.5  | 67.5° | 3402.2 | 1178.6 | 1121.3 | 1136.6 | 1184.3 | 1214.8 | 1273.9 | 1209.1 | 1230.0 | 1294.9 |
| 7427.9  | 70°   | 2751.9 | 1014.5 | 963.1  | 1006.9 | 1052.7 | 1115.6 | 1125.2 | 1081.3 | 1130.9 | 1203.3 |
| 4533.0  | 72.5° | 1947.1 | 848.6  | 812.4  | 902.0  | 917.3  | 999.3  | 978.3  | 957.3  | 1026.0 | 1050.8 |
| 2240.8  | 75°   | 1350.2 | 684.6  | 663.7  | 732.3  | 787.6  | 858.2  | 842.9  | 867.7  | 1012.6 | 1024.1 |
| 1119.4  | 77.5° | 854.4  | 532.1  | 518.7  | 562.6  | 638.9  | 717.0  | 741.8  | 1024.1 | 1729.7 | 1798.3 |
| 581.6   | 80°   | 495.8  | 396.7  | 381.4  | 415.7  | 482.5  | 554.9  | 715.1  | 1256.7 | 1140.4 | 1127.1 |
| 261.3   | 82.5° | 276.5  | 272.7  | 253.6  | 263.2  | 322.3  | 400.5  | 1010.7 | 884.9  | 719.0  | 741.8  |
| 104.9   | 85°   | 129.7  | 160.2  | 137.3  | 131.6  | 181.2  | 469.1  | 675.1  | 505.4  | 335.6  | 328.0  |
| 22.9    | 87.5° | 34.3   | 30.5   | 30.5   | 34.3   | 76.3   | 404.3  | 268.9  | 215.5  | 127.8  | 124.0  |
| 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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