

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: P954052

Luminaire Tested: **GLAN-SB7B-935-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954052  
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-SB7B-935-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28333 lumens  
Efficiency: N/A  
Efficacy: 110.4 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

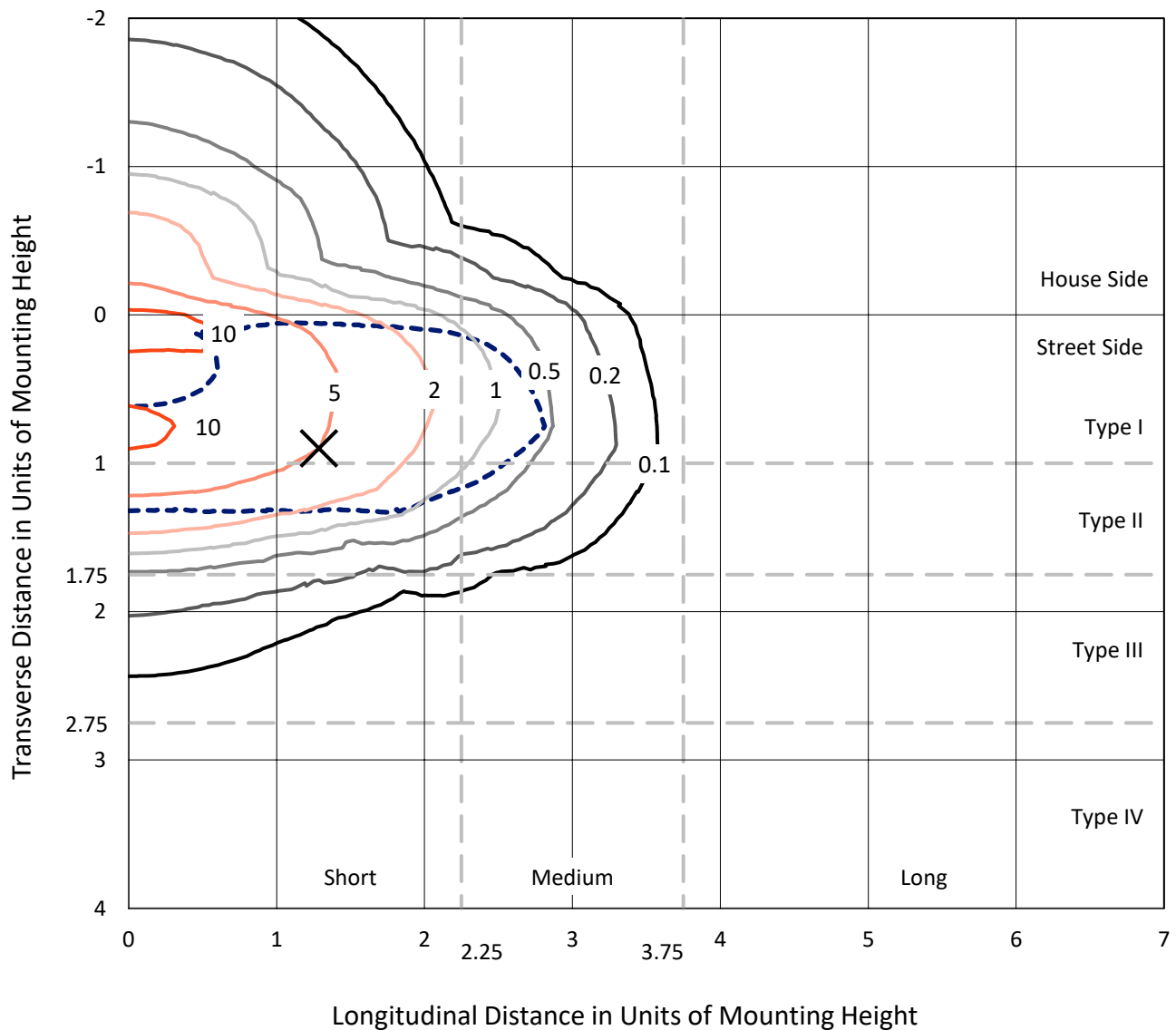
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

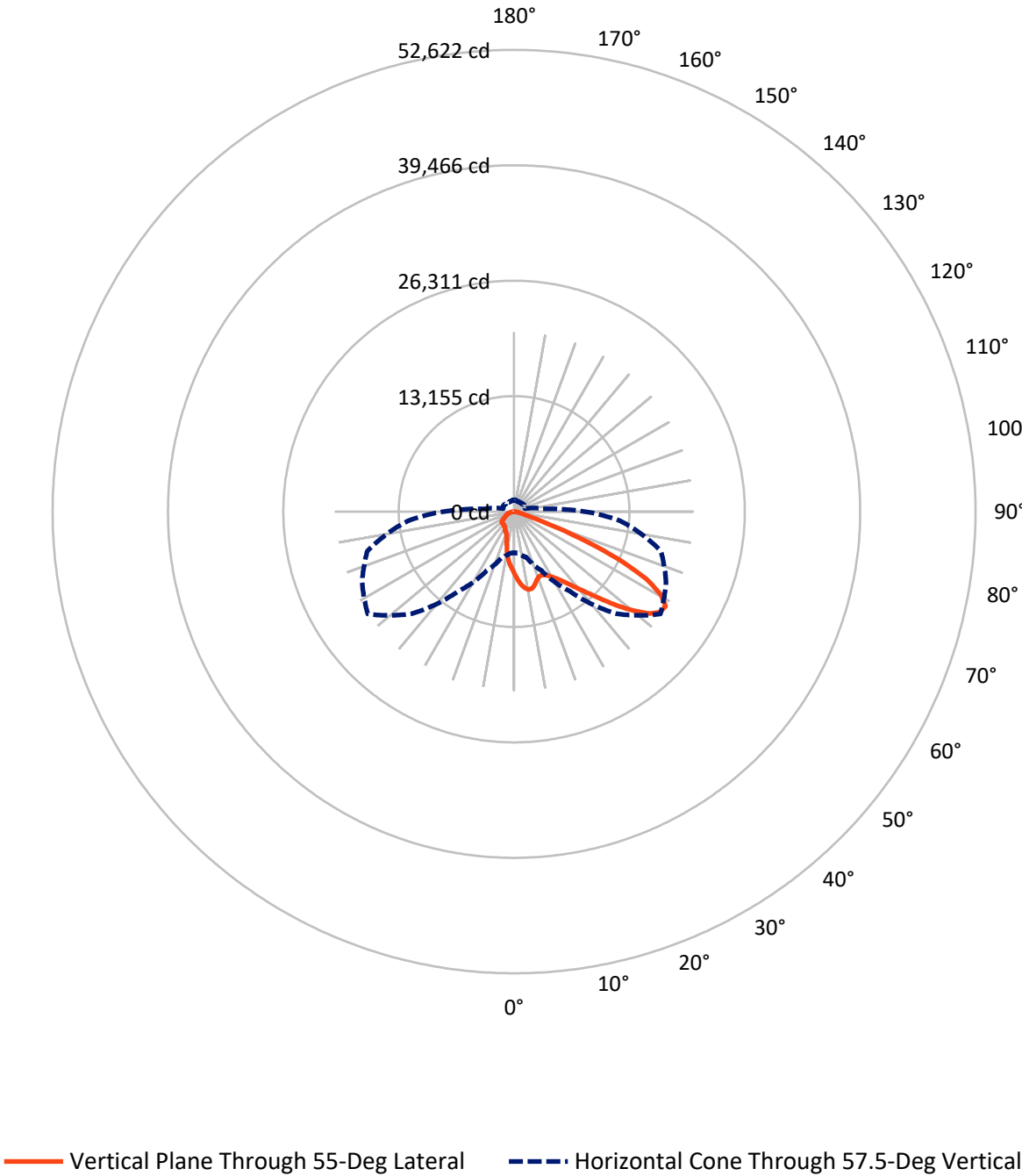
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 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    | 5126.7   | 0.0    | 5126.7  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 23206.3  | 0.0    | 23206.3 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 28333.0  | 0.0    | 28333.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 658.8   | 2.3       |
| 10°-20°   | 1662.8  | 5.9       |
| 20°-30°   | 2653.3  | 9.4       |
| 30°-40°   | 4200.9  | 14.8      |
| 40°-50°   | 6429.9  | 22.7      |
| 50°-60°   | 6887.0  | 24.3      |
| 60°-70°   | 4332.6  | 15.3      |
| 70°-80°   | 1281.2  | 4.5       |
| 80°-90°   | 226.5   | 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°    | 28333.0 | 100.0     |
| 0°-180°   | 28333.0 | 100.0     |

**Coefficient of Utilization**



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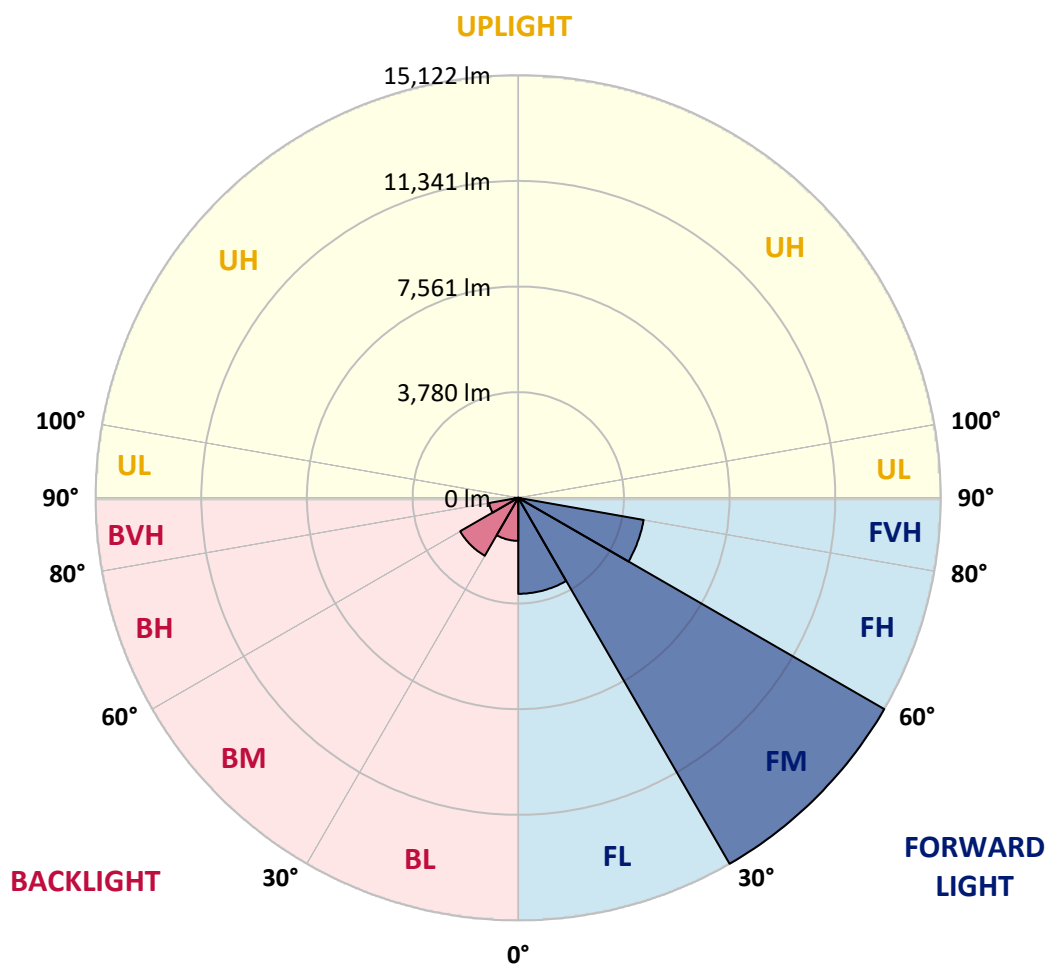
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3434.0  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 15121.5 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 4555.1  | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 95.7    | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1540.9  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2396.2  | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1058.8  | 3.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 130.8   | 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°    | 7099.3  | 7099.3  | 7099.3  | 7099.3  | 7099.3  | 7099.3  | 7099.3  | 7099.3  | 7099.3  | 7099.3  |
| 2.5°  | 8145.1  | 8139.3  | 8171.5  | 8061.6  | 7986.9  | 7885.9  | 7752.6  | 7582.7  | 7399.6  | 7206.3  |
| 5°    | 8878.9  | 8827.7  | 8861.3  | 8779.3  | 8697.3  | 8545.0  | 8347.2  | 8070.4  | 7732.1  | 7346.9  |
| 7.5°  | 8763.2  | 8728.1  | 8814.5  | 8887.7  | 8949.2  | 8930.2  | 8785.2  | 8495.2  | 8058.7  | 7499.2  |
| 10°   | 7830.2  | 7790.7  | 7912.2  | 8165.6  | 8537.7  | 8861.3  | 9037.1  | 8857.0  | 8392.6  | 7666.2  |
| 12.5° | 7007.1  | 6988.0  | 7068.6  | 7273.6  | 7686.7  | 8307.7  | 9004.9  | 9173.3  | 8739.8  | 7863.9  |
| 15°   | 6655.5  | 6632.1  | 6683.4  | 6787.4  | 7051.0  | 7629.5  | 8711.9  | 9390.1  | 9081.0  | 8092.4  |
| 17.5° | 6577.9  | 6551.5  | 6573.5  | 6627.7  | 6797.6  | 7238.5  | 8269.6  | 9497.0  | 9437.0  | 8347.2  |
| 20°   | 6721.4  | 6699.5  | 6702.4  | 6699.5  | 6818.1  | 7168.2  | 7962.0  | 9456.0  | 9747.5  | 8581.6  |
| 22.5° | 7068.6  | 7032.0  | 7033.4  | 6955.8  | 7020.2  | 7291.2  | 7881.5  | 9346.2  | 10024.3 | 8786.6  |
| 25°   | 7633.9  | 7568.0  | 7581.2  | 7383.5  | 7365.9  | 7566.6  | 8007.4  | 9261.2  | 10299.7 | 8950.7  |
| 27.5° | 8407.3  | 8332.6  | 8293.0  | 7998.6  | 7858.0  | 7957.6  | 8263.8  | 9290.5  | 10560.4 | 9092.8  |
| 30°   | 9374.0  | 9283.2  | 9202.6  | 8785.2  | 8530.3  | 8493.7  | 8662.1  | 9483.8  | 10868.0 | 9242.2  |
| 32.5° | 10558.9 | 10453.5 | 10307.0 | 9753.3  | 9394.5  | 9202.6  | 9177.7  | 9828.0  | 11228.3 | 9432.6  |
| 35°   | 11969.4 | 11831.7 | 11623.7 | 10907.5 | 10453.5 | 10060.9 | 9857.3  | 10324.6 | 11721.9 | 9719.7  |
| 37.5° | 13422.4 | 13267.1 | 13076.7 | 12224.3 | 11666.2 | 11087.7 | 10686.3 | 10998.3 | 12379.5 | 10109.3 |
| 40°   | 14762.6 | 14588.3 | 14411.0 | 13652.3 | 13053.3 | 12356.1 | 11701.4 | 11850.8 | 13183.6 | 10575.0 |
| 42.5° | 15553.5 | 15424.6 | 15357.2 | 14947.1 | 14484.3 | 13776.8 | 12963.9 | 12861.4 | 14087.3 | 11111.1 |
| 45°   | 15518.3 | 15465.6 | 15673.6 | 15843.5 | 15733.7 | 15341.1 | 14443.3 | 13979.0 | 14994.0 | 11575.4 |
| 47.5° | 14689.3 | 14724.5 | 15188.8 | 16143.8 | 16564.1 | 16769.2 | 16127.7 | 15076.0 | 15782.0 | 11922.5 |
| 50°   | 12433.7 | 12463.0 | 13538.1 | 15597.4 | 16778.0 | 17933.6 | 17798.9 | 16146.7 | 16392.8 | 12134.9 |
| 52.5° | 10648.3 | 10667.3 | 11128.7 | 13977.5 | 16072.0 | 18519.5 | 19304.6 | 17155.9 | 16839.5 | 12193.5 |
| 55°   | 8020.6  | 8086.5  | 8603.6  | 10966.1 | 14235.3 | 18055.2 | 20221.4 | 18195.8 | 17122.2 | 12199.4 |
| 57.5° | 4685.5  | 4757.3  | 5395.9  | 7443.5  | 11064.2 | 16436.7 | 20360.6 | 19118.5 | 17314.0 | 12152.5 |
| 60°   | 2295.2  | 2325.9  | 2604.2  | 3912.2  | 6822.5  | 13318.4 | 19241.6 | 19565.3 | 17421.0 | 12127.6 |
| 62.5° | 1546.7  | 1542.3  | 1554.0  | 1930.5  | 3361.5  | 8556.7  | 16909.8 | 18783.1 | 17363.8 | 12032.4 |
| 65°   | 1329.9  | 1313.8  | 1269.9  | 1354.8  | 1741.5  | 3913.6  | 13065.0 | 16448.4 | 16928.8 | 11793.6 |
| 67.5° | 1149.8  | 1151.2  | 1152.7  | 1126.3  | 1243.5  | 1806.0  | 7984.0  | 12956.6 | 15367.5 | 10662.9 |
| 70°   | 952.0   | 965.2   | 971.1   | 971.1   | 1013.6  | 1184.9  | 3408.3  | 8880.4  | 12121.7 | 8360.4  |
| 72.5° | 867.1   | 839.3   | 842.2   | 827.5   | 827.5   | 902.2   | 1372.4  | 5034.1  | 7636.9  | 4703.1  |
| 75°   | 707.4   | 725.0   | 727.9   | 717.7   | 684.0   | 688.4   | 814.4   | 2112.1  | 3267.7  | 1951.0  |
| 77.5° | 610.8   | 610.8   | 616.6   | 609.3   | 582.9   | 515.6   | 543.4   | 818.8   | 1111.7  | 799.7   |
| 80°   | 490.7   | 489.2   | 514.1   | 528.8   | 487.7   | 380.8   | 347.1   | 452.6   | 493.6   | 351.5   |
| 82.5° | 238.7   | 253.4   | 353.0   | 402.8   | 370.6   | 275.4   | 212.4   | 281.2   | 263.6   | 155.3   |
| 85°   | 139.1   | 131.8   | 158.2   | 224.1   | 212.4   | 152.3   | 102.5   | 146.5   | 137.7   | 79.1    |
| 87.5° | 43.9    | 41.0    | 32.2    | 76.2    | 61.5    | 42.5    | 27.8    | 42.5    | 38.1    | 17.6    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7099.3 | 0°    | 7099.3 | 7099.3 | 7099.3 | 7099.3 | 7099.3 | 7099.3 | 7099.3 | 7099.3 | 7099.3 | 7099.3 |
| 7122.8 | 2.5°  | 7018.8 | 6845.9 | 6674.6 | 6517.9 | 6422.6 | 6361.1 | 6299.6 | 6230.8 | 6204.4 | 6164.9 |
| 7141.8 | 5°    | 6948.5 | 6614.5 | 6317.2 | 6060.9 | 5828.0 | 5644.9 | 5460.3 | 5310.9 | 5243.6 | 5289.0 |
| 7201.9 | 7.5°  | 6907.5 | 6424.1 | 5965.7 | 5495.5 | 5042.9 | 4681.1 | 4366.2 | 4145.1 | 4045.5 | 4070.4 |
| 7260.4 | 10°   | 6870.8 | 6208.8 | 5510.1 | 4767.6 | 4117.2 | 3669.0 | 3346.8 | 3178.4 | 3115.4 | 3128.6 |
| 7339.5 | 12.5° | 6837.2 | 5967.1 | 4960.9 | 3983.9 | 3292.6 | 2996.7 | 2904.5 | 2905.9 | 2917.7 | 2926.4 |
| 7465.5 | 15°   | 6831.3 | 5675.7 | 4347.2 | 3298.5 | 2847.3 | 2828.3 | 2927.9 | 2990.9 | 3024.6 | 3034.8 |
| 7571.0 | 17.5° | 6822.5 | 5327.1 | 3721.8 | 2831.2 | 2739.0 | 2867.9 | 2960.1 | 3001.1 | 3027.5 | 3029.0 |
| 7673.5 | 20°   | 6787.4 | 4884.7 | 3144.7 | 2608.6 | 2715.5 | 2826.8 | 2884.0 | 2916.2 | 2938.2 | 2945.5 |
| 7751.1 | 22.5° | 6679.0 | 4392.6 | 2695.0 | 2509.0 | 2621.8 | 2711.1 | 2778.5 | 2815.1 | 2828.3 | 2837.1 |
| 7765.8 | 25°   | 6484.2 | 3841.9 | 2384.5 | 2413.8 | 2491.4 | 2604.2 | 2658.4 | 2665.7 | 2661.3 | 2674.5 |
| 7729.1 | 27.5° | 6229.3 | 3251.6 | 2191.2 | 2284.9 | 2384.5 | 2481.2 | 2510.5 | 2506.1 | 2497.3 | 2511.9 |
| 7666.2 | 30°   | 5921.7 | 2721.4 | 2068.1 | 2139.9 | 2276.1 | 2364.0 | 2390.4 | 2380.1 | 2362.5 | 2378.6 |
| 7633.9 | 32.5° | 5596.6 | 2287.8 | 1967.1 | 2038.8 | 2186.8 | 2273.2 | 2299.6 | 2289.3 | 2276.1 | 2289.3 |
| 7670.6 | 35°   | 5293.4 | 1984.6 | 1873.3 | 1971.5 | 2116.5 | 2201.4 | 2235.1 | 2236.6 | 2236.6 | 2252.7 |
| 7767.2 | 37.5° | 5015.1 | 1807.4 | 1795.7 | 1929.0 | 2068.1 | 2144.3 | 2192.6 | 2195.6 | 2132.6 | 2137.0 |
| 7931.3 | 40°   | 4757.3 | 1732.7 | 1760.6 | 1901.2 | 2021.3 | 2094.5 | 2097.4 | 1933.4 | 1817.7 | 1814.7 |
| 8118.8 | 42.5° | 4546.4 | 1718.1 | 1770.8 | 1898.2 | 1987.6 | 1990.5 | 1784.0 | 1656.6 | 1624.3 | 1625.8 |
| 8291.6 | 45°   | 4348.7 | 1713.7 | 1794.2 | 1898.2 | 1937.8 | 1719.5 | 1580.4 | 1546.7 | 1549.6 | 1561.4 |
| 8369.2 | 47.5° | 4127.5 | 1696.1 | 1798.6 | 1871.9 | 1794.2 | 1529.1 | 1488.1 | 1473.5 | 1467.6 | 1470.5 |
| 8351.6 | 50°   | 3885.8 | 1633.1 | 1743.0 | 1819.1 | 1548.2 | 1447.1 | 1395.8 | 1391.5 | 1398.8 | 1403.2 |
| 8253.5 | 52.5° | 3631.0 | 1530.6 | 1647.8 | 1723.9 | 1435.4 | 1375.3 | 1318.2 | 1328.5 | 1360.7 | 1370.9 |
| 8151.0 | 55°   | 3464.0 | 1410.5 | 1521.8 | 1533.5 | 1356.3 | 1308.0 | 1259.6 | 1283.1 | 1343.1 | 1362.2 |
| 8089.5 | 57.5° | 3420.0 | 1283.1 | 1378.3 | 1365.1 | 1255.2 | 1249.4 | 1220.1 | 1240.6 | 1316.8 | 1344.6 |
| 8086.5 | 60°   | 3406.9 | 1168.8 | 1237.7 | 1227.4 | 1157.1 | 1184.9 | 1177.6 | 1187.9 | 1214.2 | 1223.0 |
| 8057.2 | 62.5° | 3304.3 | 1078.0 | 1111.7 | 1097.0 | 1069.2 | 1117.6 | 1135.1 | 1113.2 | 1133.7 | 1143.9 |
| 7856.6 | 65°   | 3043.6 | 1004.8 | 988.7  | 978.4  | 990.1  | 1034.1 | 1069.2 | 1025.3 | 1044.3 | 1073.6 |
| 7083.2 | 67.5° | 2613.0 | 905.2  | 861.2  | 873.0  | 909.6  | 933.0  | 978.4  | 928.6  | 944.7  | 994.5  |
| 5704.9 | 70°   | 2113.5 | 779.2  | 739.7  | 773.4  | 808.5  | 856.8  | 864.2  | 830.5  | 868.6  | 924.2  |
| 3481.6 | 72.5° | 1495.4 | 651.8  | 624.0  | 692.8  | 704.5  | 767.5  | 751.4  | 735.3  | 788.0  | 807.0  |
| 1721.0 | 75°   | 1037.0 | 525.8  | 509.7  | 562.4  | 604.9  | 659.1  | 647.4  | 666.4  | 777.7  | 786.5  |
| 859.8  | 77.5° | 656.2  | 408.6  | 398.4  | 432.1  | 490.7  | 550.7  | 569.8  | 786.5  | 1328.5 | 1381.2 |
| 446.7  | 80°   | 380.8  | 304.7  | 292.9  | 319.3  | 370.6  | 426.2  | 549.3  | 965.2  | 875.9  | 865.6  |
| 200.7  | 82.5° | 212.4  | 209.5  | 194.8  | 202.1  | 247.5  | 307.6  | 776.3  | 679.6  | 552.2  | 569.8  |
| 80.6   | 85°   | 99.6   | 123.0  | 105.5  | 101.1  | 139.1  | 360.3  | 518.5  | 388.1  | 257.8  | 251.9  |
| 17.6   | 87.5° | 26.4   | 23.4   | 23.4   | 26.4   | 58.6   | 310.5  | 206.5  | 165.5  | 98.1   | 95.2   |
| 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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