

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: P948760

Luminaire Tested: **GLAN-SB3D-722-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948760  
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-SB3D-722-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 25651 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 218.1  
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

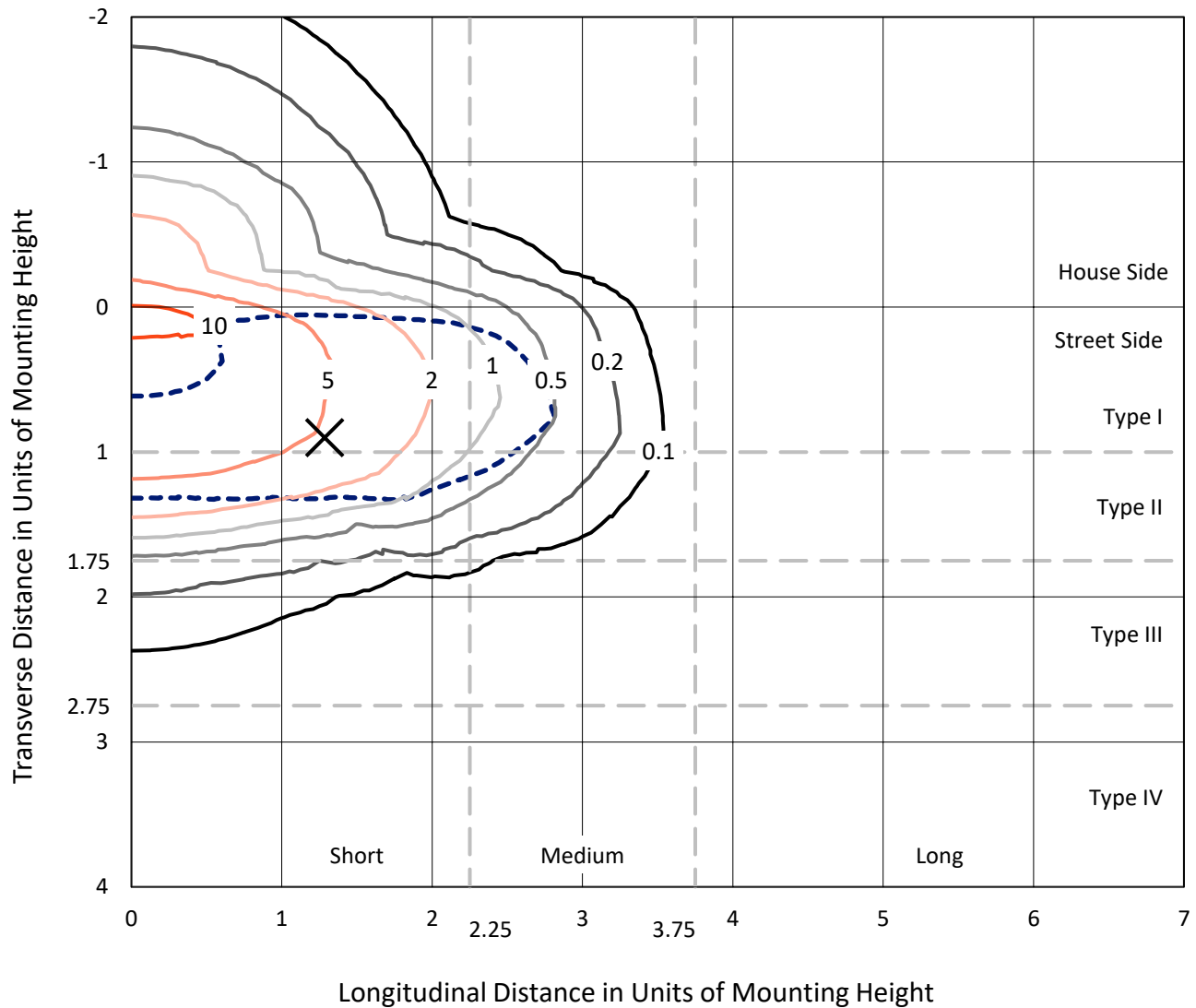


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

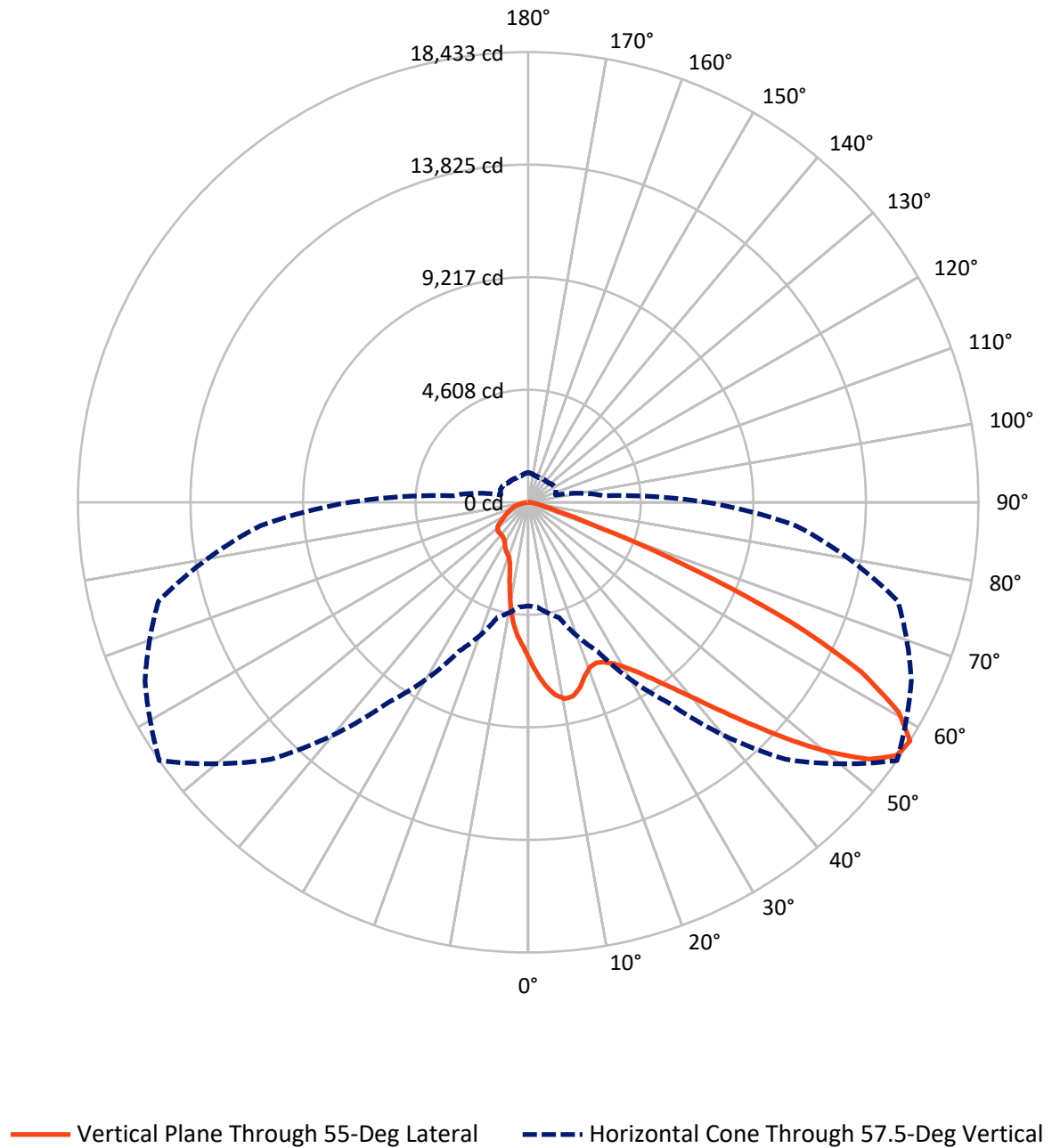


Based on 25 foot mounting height. Maximum calculated value = 12.4 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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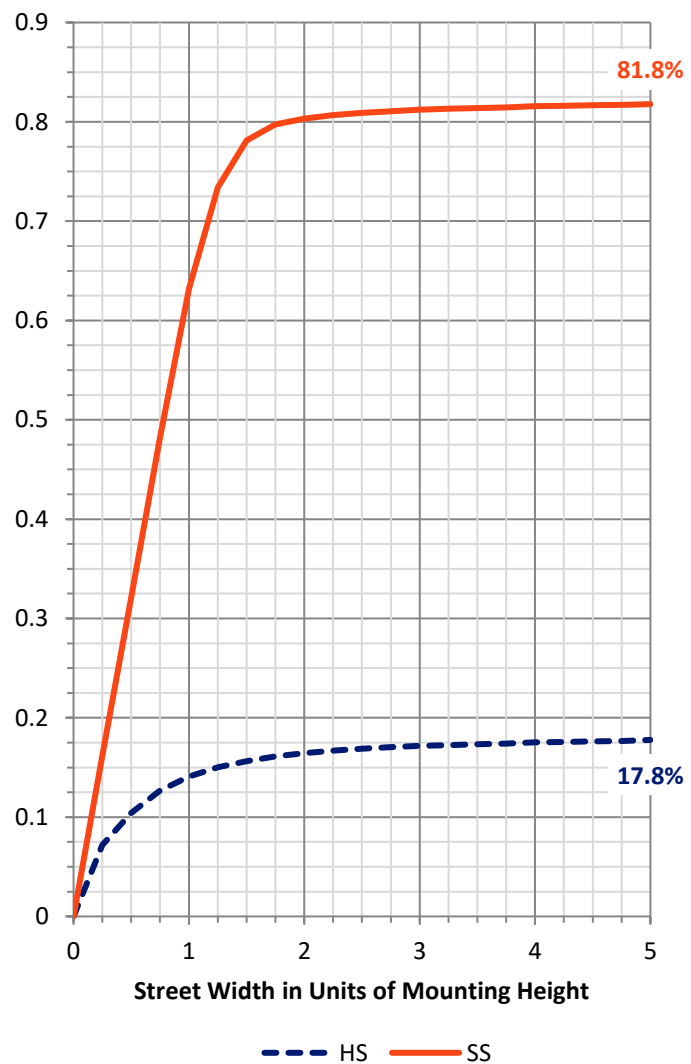
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4641.4   | 0.0    | 4641.4  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 21009.6  | 0.0    | 21009.6 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 25651.0  | 0.0    | 25651.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 596.4   | 2.3       |
| 10°-20°   | 1505.4  | 5.9       |
| 20°-30°   | 2402.2  | 9.4       |
| 30°-40°   | 3803.2  | 14.8      |
| 40°-50°   | 5821.2  | 22.7      |
| 50°-60°   | 6235.1  | 24.3      |
| 60°-70°   | 3922.5  | 15.3      |
| 70°-80°   | 1160.0  | 4.5       |
| 80°-90°   | 205.1   | 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°    | 25651.0 | 100.0     |
| 0°-180°   | 25651.0 | 100.0     |

**Coefficient of Utilization**



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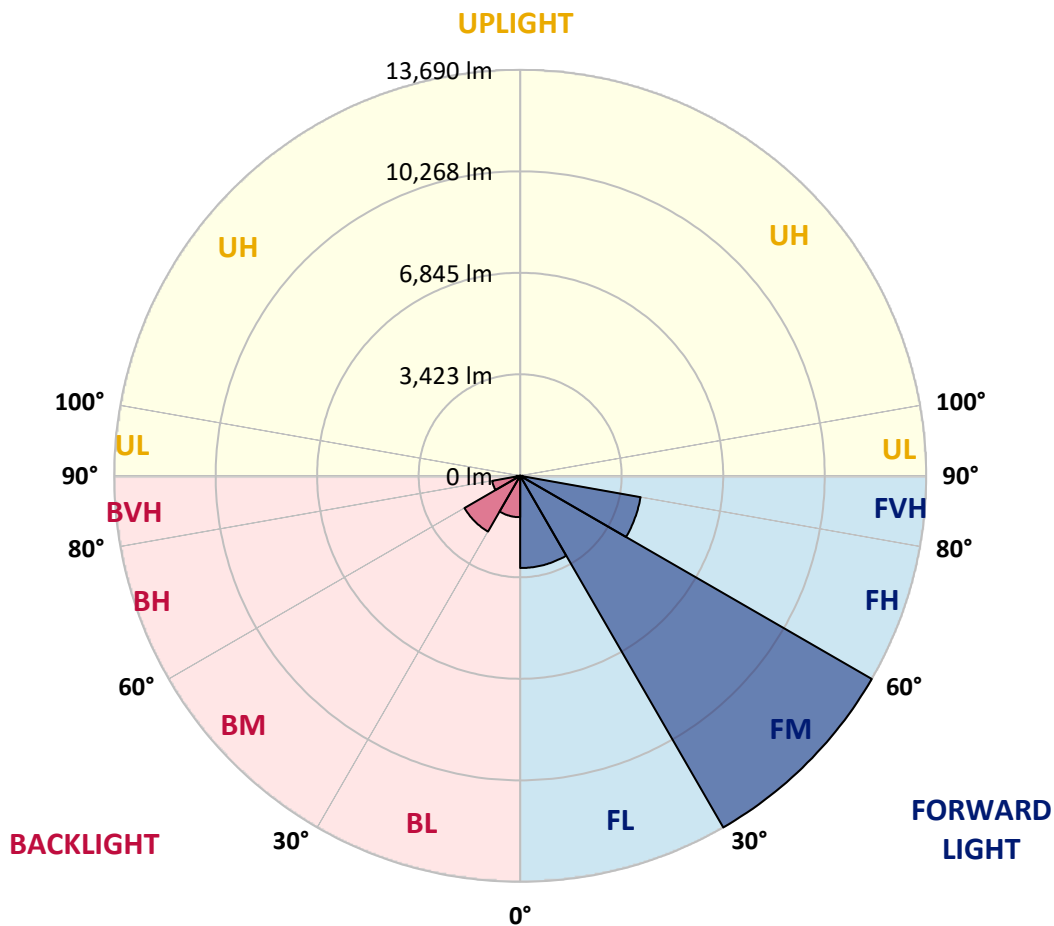
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3108.9  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 13690.1 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 4123.9  | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 86.7    | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1395.1  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2169.4  | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 958.6   | 3.7       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 118.4   | 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-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6427.3  | 6427.3  | 6427.3  | 6427.3  | 6427.3  | 6427.3  | 6427.3  | 6427.3  | 6427.3  | 6427.3  |
| 2.5°  | 7374.1  | 7368.8  | 7398.0  | 7298.5  | 7230.9  | 7139.4  | 7018.7  | 6864.9  | 6699.1  | 6524.1  |
| 5°    | 8038.4  | 7992.0  | 8022.5  | 7948.3  | 7874.0  | 7736.1  | 7557.1  | 7306.5  | 7000.2  | 6651.4  |
| 7.5°  | 7933.7  | 7901.9  | 7980.1  | 8046.4  | 8102.1  | 8084.9  | 7953.6  | 7691.0  | 7295.9  | 6789.3  |
| 10°   | 7089.0  | 7053.2  | 7163.3  | 7392.7  | 7729.5  | 8022.5  | 8181.7  | 8018.6  | 7598.2  | 6940.5  |
| 12.5° | 6343.8  | 6326.5  | 6399.5  | 6585.1  | 6959.0  | 7521.3  | 8152.5  | 8305.0  | 7912.5  | 7119.5  |
| 15°   | 6025.5  | 6004.3  | 6050.7  | 6144.9  | 6383.5  | 6907.3  | 7887.3  | 8501.2  | 8221.4  | 7326.4  |
| 17.5° | 5955.2  | 5931.4  | 5951.3  | 6000.3  | 6154.1  | 6553.3  | 7486.8  | 8598.0  | 8543.7  | 7557.1  |
| 20°   | 6085.2  | 6065.3  | 6068.0  | 6065.3  | 6172.7  | 6489.6  | 7208.3  | 8560.9  | 8824.8  | 7769.3  |
| 22.5° | 6399.5  | 6366.3  | 6367.6  | 6297.4  | 6355.7  | 6601.0  | 7135.4  | 8461.5  | 9075.4  | 7954.9  |
| 25°   | 6911.3  | 6851.6  | 6863.6  | 6684.6  | 6668.6  | 6850.3  | 7249.5  | 8384.5  | 9324.7  | 8103.4  |
| 27.5° | 7611.5  | 7543.8  | 7508.0  | 7241.5  | 7114.2  | 7204.4  | 7481.5  | 8411.1  | 9560.7  | 8232.0  |
| 30°   | 8486.6  | 8404.4  | 8331.5  | 7953.6  | 7722.8  | 7689.7  | 7842.2  | 8586.1  | 9839.2  | 8367.3  |
| 32.5° | 9559.4  | 9463.9  | 9331.3  | 8830.1  | 8505.2  | 8331.5  | 8309.0  | 8897.7  | 10165.4 | 8539.7  |
| 35°   | 10836.4 | 10711.7 | 10523.4 | 9875.0  | 9463.9  | 9108.6  | 8924.2  | 9347.2  | 10612.3 | 8799.6  |
| 37.5° | 12151.8 | 12011.3 | 11838.9 | 11067.1 | 10561.9 | 10038.1 | 9674.8  | 9957.2  | 11207.7 | 9152.3  |
| 40°   | 13365.1 | 13207.3 | 13046.9 | 12360.0 | 11817.7 | 11186.5 | 10593.7 | 10729.0 | 11935.7 | 9574.0  |
| 42.5° | 14081.2 | 13964.5 | 13903.5 | 13532.2 | 13113.2 | 12472.7 | 11736.8 | 11643.9 | 12753.8 | 10059.3 |
| 45°   | 14049.4 | 14001.6 | 14189.9 | 14343.8 | 14244.3 | 13888.9 | 13076.1 | 12655.7 | 13574.7 | 10479.7 |
| 47.5° | 13298.8 | 13330.7 | 13751.0 | 14615.6 | 14996.2 | 15181.8 | 14601.0 | 13648.9 | 14288.1 | 10794.0 |
| 50°   | 11256.7 | 11283.3 | 12256.6 | 14121.0 | 15189.8 | 16236.0 | 16114.0 | 14618.2 | 14841.0 | 10986.2 |
| 52.5° | 9640.3  | 9657.5  | 10075.2 | 12654.4 | 14550.6 | 16766.4 | 17477.2 | 15531.9 | 15245.5 | 11039.3 |
| 55°   | 7261.4  | 7321.1  | 7789.1  | 9928.0  | 12887.8 | 16346.1 | 18307.3 | 16473.4 | 15501.4 | 11044.6 |
| 57.5° | 4242.0  | 4307.0  | 4885.1  | 6738.9  | 10016.9 | 14880.8 | 18433.3 | 17308.8 | 15675.1 | 11002.1 |
| 60°   | 2077.9  | 2105.7  | 2357.7  | 3541.8  | 6176.7  | 12057.7 | 17420.2 | 17713.2 | 15771.9 | 10979.6 |
| 62.5° | 1400.3  | 1396.3  | 1406.9  | 1747.7  | 3043.3  | 7746.7  | 15309.1 | 17005.1 | 15720.2 | 10893.4 |
| 65°   | 1204.0  | 1189.5  | 1149.7  | 1226.6  | 1576.7  | 3543.2  | 11828.3 | 14891.4 | 15326.4 | 10677.3 |
| 67.5° | 1040.9  | 1042.3  | 1043.6  | 1019.7  | 1125.8  | 1635.0  | 7228.2  | 11730.1 | 13912.8 | 9653.6  |
| 70°   | 861.9   | 873.9   | 879.2   | 879.2   | 917.6   | 1072.8  | 3085.7  | 8039.8  | 10974.3 | 7569.0  |
| 72.5° | 785.0   | 759.8   | 762.5   | 749.2   | 749.2   | 816.8   | 1242.5  | 4557.6  | 6914.0  | 4257.9  |
| 75°   | 640.5   | 656.4   | 659.0   | 649.8   | 619.3   | 623.2   | 737.3   | 1912.1  | 2958.4  | 1766.3  |
| 77.5° | 553.0   | 553.0   | 558.3   | 551.6   | 527.8   | 466.8   | 492.0   | 741.3   | 1006.5  | 724.0   |
| 80°   | 444.2   | 442.9   | 465.4   | 478.7   | 441.6   | 344.8   | 314.3   | 409.7   | 446.9   | 318.2   |
| 82.5° | 216.1   | 229.4   | 319.6   | 364.7   | 335.5   | 249.3   | 192.3   | 254.6   | 238.7   | 140.6   |
| 85°   | 126.0   | 119.3   | 143.2   | 202.9   | 192.3   | 137.9   | 92.8    | 132.6   | 124.6   | 71.6    |
| 87.5° | 39.8    | 37.1    | 29.2    | 69.0    | 55.7    | 38.5    | 25.2    | 38.5    | 34.5    | 15.9    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6427.3 | 0°    | 6427.3 | 6427.3 | 6427.3 | 6427.3 | 6427.3 | 6427.3 | 6427.3 | 6427.3 | 6427.3 | 6427.3 |
| 6448.5 | 2.5°  | 6354.4 | 6197.9 | 6042.8 | 5900.9 | 5814.7 | 5759.0 | 5703.3 | 5641.0 | 5617.1 | 5581.3 |
| 6465.8 | 5°    | 6290.7 | 5988.4 | 5719.2 | 5487.1 | 5276.3 | 5110.6 | 4943.5 | 4808.2 | 4747.2 | 4788.3 |
| 6520.1 | 7.5°  | 6253.6 | 5816.0 | 5401.0 | 4975.3 | 4565.6 | 4238.0 | 3952.9 | 3752.7 | 3662.5 | 3685.1 |
| 6573.2 | 10°   | 6220.4 | 5621.1 | 4988.6 | 4316.3 | 3727.5 | 3321.7 | 3030.0 | 2877.5 | 2820.5 | 2832.4 |
| 6644.8 | 12.5° | 6189.9 | 5402.3 | 4491.3 | 3606.8 | 2980.9 | 2713.1 | 2629.5 | 2630.9 | 2641.5 | 2649.4 |
| 6758.8 | 15°   | 6184.6 | 5138.4 | 3935.7 | 2986.2 | 2577.8 | 2560.6 | 2650.8 | 2707.8 | 2738.3 | 2747.6 |
| 6854.3 | 17.5° | 6176.7 | 4822.8 | 3369.5 | 2563.2 | 2479.7 | 2596.4 | 2679.9 | 2717.1 | 2740.9 | 2742.2 |
| 6947.1 | 20°   | 6144.9 | 4422.3 | 2847.0 | 2361.7 | 2458.5 | 2559.3 | 2611.0 | 2640.1 | 2660.0 | 2666.7 |
| 7017.4 | 22.5° | 6046.7 | 3976.8 | 2439.9 | 2271.5 | 2373.6 | 2454.5 | 2515.5 | 2548.6 | 2560.6 | 2568.5 |
| 7030.7 | 25°   | 5870.4 | 3478.2 | 2158.8 | 2185.3 | 2255.6 | 2357.7 | 2406.8 | 2413.4 | 2409.4 | 2421.3 |
| 6997.5 | 27.5° | 5639.6 | 2943.8 | 1983.8 | 2068.6 | 2158.8 | 2246.3 | 2272.8 | 2268.9 | 2260.9 | 2274.2 |
| 6940.5 | 30°   | 5361.2 | 2463.8 | 1872.4 | 1937.3 | 2060.7 | 2140.2 | 2164.1 | 2154.8 | 2138.9 | 2153.5 |
| 6911.3 | 32.5° | 5066.8 | 2071.3 | 1780.9 | 1845.8 | 1979.8 | 2058.0 | 2081.9 | 2072.6 | 2060.7 | 2072.6 |
| 6944.5 | 35°   | 4792.3 | 1796.8 | 1696.0 | 1784.8 | 1916.1 | 1993.0 | 2023.5 | 2024.9 | 2024.9 | 2039.4 |
| 7032.0 | 37.5° | 4540.4 | 1636.3 | 1625.7 | 1746.4 | 1872.4 | 1941.3 | 1985.1 | 1987.7 | 1930.7 | 1934.7 |
| 7180.5 | 40°   | 4307.0 | 1568.7 | 1593.9 | 1721.2 | 1829.9 | 1896.2 | 1898.9 | 1750.4 | 1645.6 | 1643.0 |
| 7350.2 | 42.5° | 4116.0 | 1555.4 | 1603.2 | 1718.5 | 1799.4 | 1802.1 | 1615.1 | 1499.7 | 1470.6 | 1471.9 |
| 7506.7 | 45°   | 3937.0 | 1551.5 | 1624.4 | 1718.5 | 1754.3 | 1556.8 | 1430.8 | 1400.3 | 1402.9 | 1413.6 |
| 7577.0 | 47.5° | 3736.8 | 1535.6 | 1628.4 | 1694.7 | 1624.4 | 1384.4 | 1347.3 | 1334.0 | 1328.7 | 1331.3 |
| 7561.1 | 50°   | 3518.0 | 1478.5 | 1578.0 | 1646.9 | 1401.6 | 1310.1 | 1263.7 | 1259.7 | 1266.4 | 1270.3 |
| 7472.2 | 52.5° | 3287.2 | 1385.7 | 1491.8 | 1560.7 | 1299.5 | 1245.2 | 1193.4 | 1202.7 | 1231.9 | 1241.2 |
| 7379.4 | 55°   | 3136.1 | 1277.0 | 1377.8 | 1388.4 | 1227.9 | 1184.2 | 1140.4 | 1161.6 | 1216.0 | 1233.2 |
| 7323.7 | 57.5° | 3096.3 | 1161.6 | 1247.8 | 1235.9 | 1136.4 | 1131.1 | 1104.6 | 1123.2 | 1192.1 | 1217.3 |
| 7321.1 | 60°   | 3084.4 | 1058.2 | 1120.5 | 1111.2 | 1047.6 | 1072.8 | 1066.1 | 1075.4 | 1099.3 | 1107.2 |
| 7294.5 | 62.5° | 2991.5 | 976.0  | 1006.5 | 993.2  | 968.0  | 1011.8 | 1027.7 | 1007.8 | 1026.4 | 1035.6 |
| 7112.9 | 65°   | 2755.5 | 909.7  | 895.1  | 885.8  | 896.4  | 936.2  | 968.0  | 928.2  | 945.5  | 972.0  |
| 6412.7 | 67.5° | 2365.7 | 819.5  | 779.7  | 790.3  | 823.5  | 844.7  | 885.8  | 840.7  | 855.3  | 900.4  |
| 5164.9 | 70°   | 1913.5 | 705.5  | 669.6  | 700.1  | 732.0  | 775.7  | 782.4  | 751.9  | 786.3  | 836.7  |
| 3152.0 | 72.5° | 1353.9 | 590.1  | 564.9  | 627.2  | 637.8  | 694.8  | 680.3  | 665.7  | 713.4  | 730.6  |
| 1558.1 | 75°   | 938.8  | 476.0  | 461.5  | 509.2  | 547.7  | 596.7  | 586.1  | 603.3  | 704.1  | 712.1  |
| 778.4  | 77.5° | 594.1  | 370.0  | 360.7  | 391.2  | 444.2  | 498.6  | 515.8  | 712.1  | 1202.7 | 1250.5 |
| 404.4  | 80°   | 344.8  | 275.8  | 265.2  | 289.1  | 335.5  | 385.9  | 497.3  | 873.9  | 793.0  | 783.7  |
| 181.7  | 82.5° | 192.3  | 189.6  | 176.4  | 183.0  | 224.1  | 278.5  | 702.8  | 615.3  | 499.9  | 515.8  |
| 72.9   | 85°   | 90.2   | 111.4  | 95.5   | 91.5   | 126.0  | 326.2  | 469.4  | 351.4  | 233.4  | 228.1  |
| 15.9   | 87.5° | 23.9   | 21.2   | 21.2   | 23.9   | 53.0   | 281.1  | 187.0  | 149.8  | 88.8   | 86.2   |
| 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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