

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: P940974

Luminaire Tested: **GLAN-SB4B-750-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940974  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-750-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 17435 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 147  
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

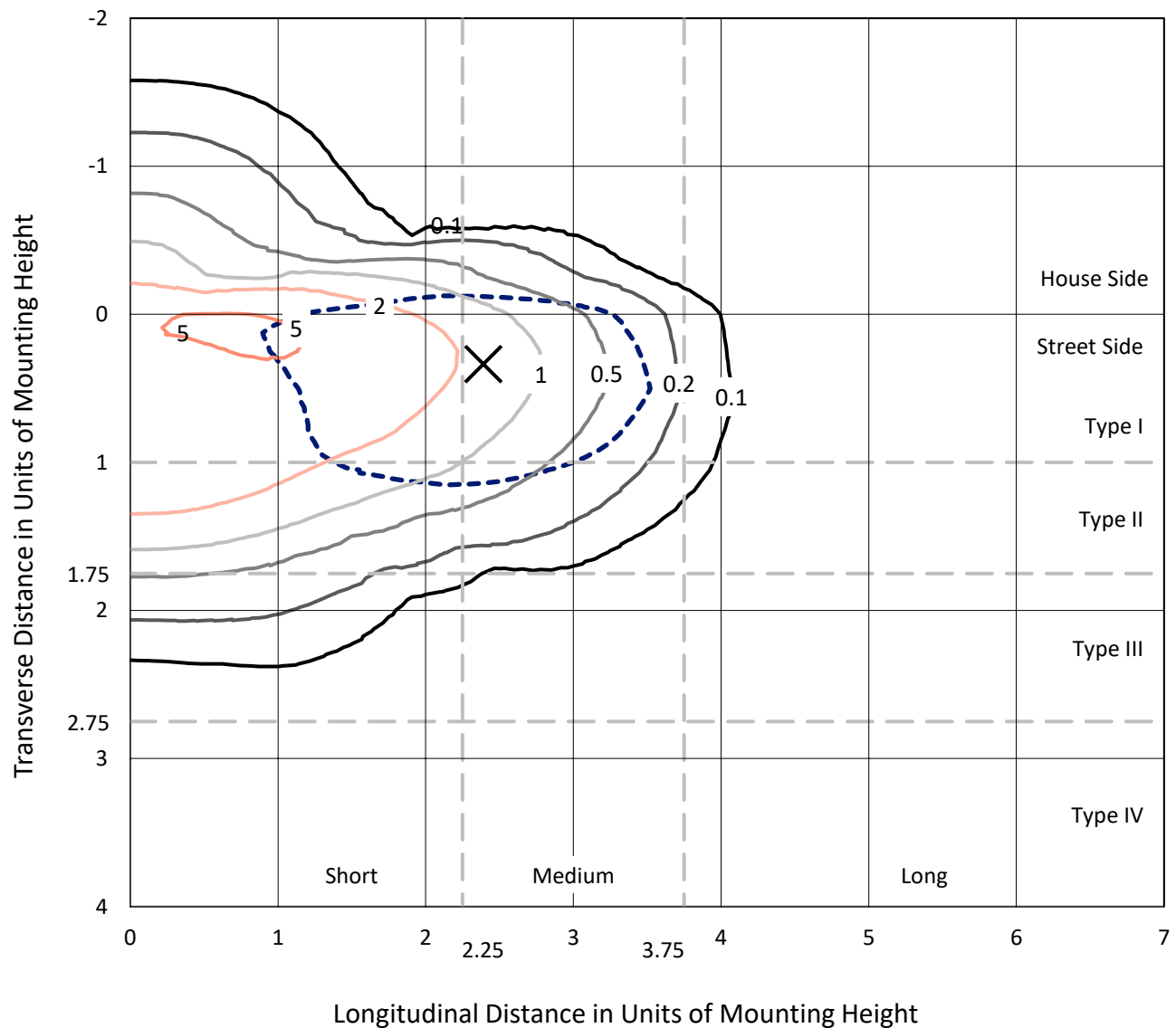


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## Iso-Footcandle Lines of Horizontal Illumination

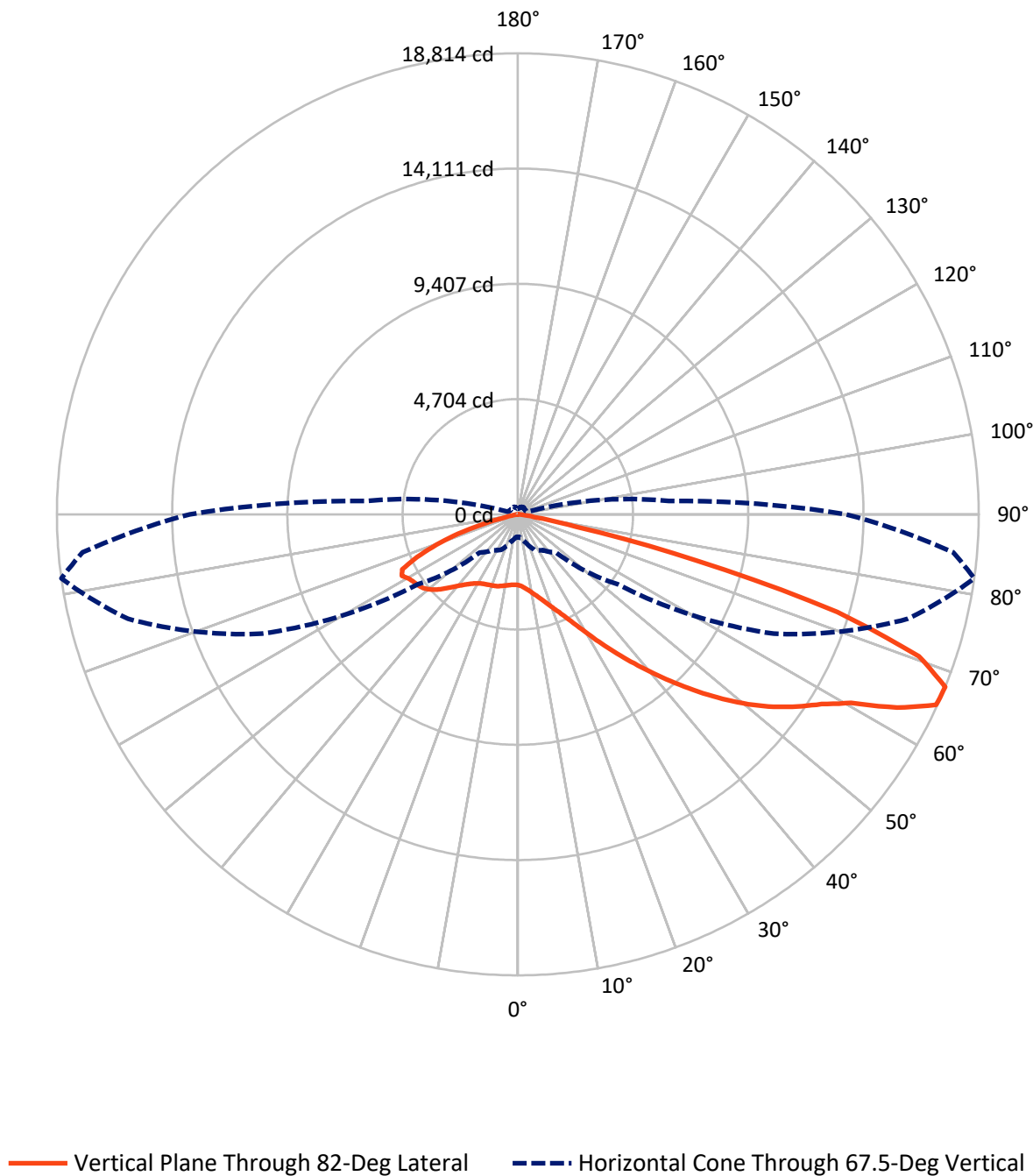
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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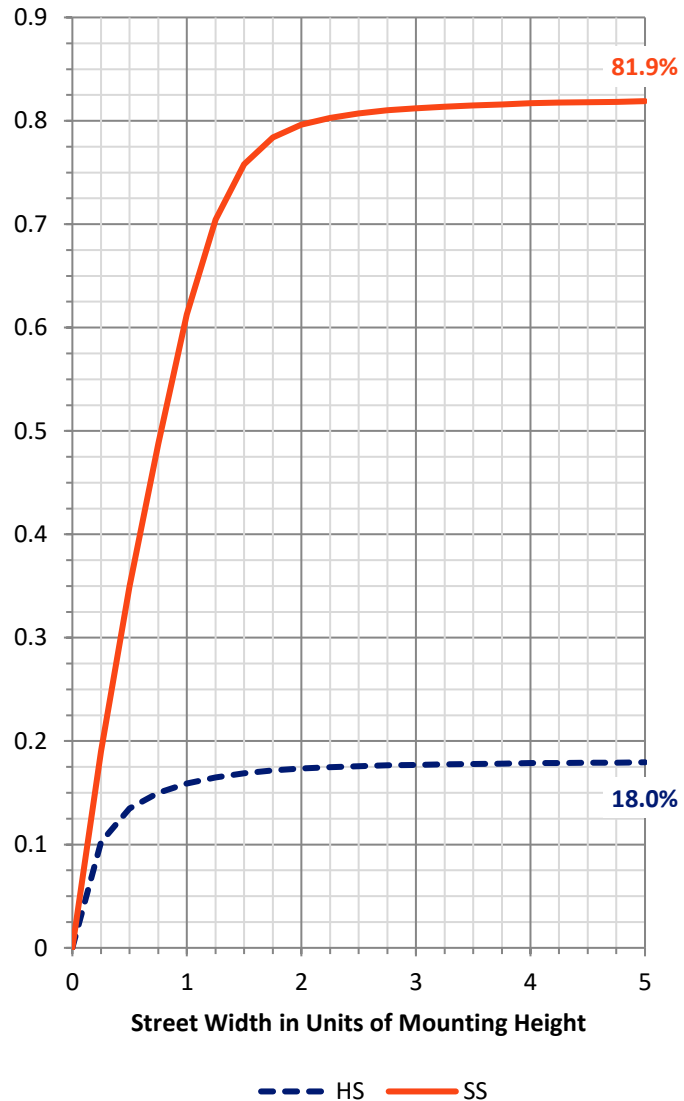
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3158.2   | 0.0    | 3158.2  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 14276.8  | 0.0    | 14276.8 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 17435.0  | 0.0    | 17435.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 257.3   | 1.5       |
| 10°-20°   | 668.7   | 3.8       |
| 20°-30°   | 1071.1  | 6.1       |
| 30°-40°   | 1894.0  | 10.9      |
| 40°-50°   | 3318.4  | 19.0      |
| 50°-60°   | 4425.8  | 25.4      |
| 60°-70°   | 4120.2  | 23.6      |
| 70°-80°   | 1581.3  | 9.1       |
| 80°-90°   | 98.2    | 0.6       |
| 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°    | 17435.0 | 100.0     |
| 0°-180°   | 17435.0 | 100.0     |

**Coefficient of Utilization**



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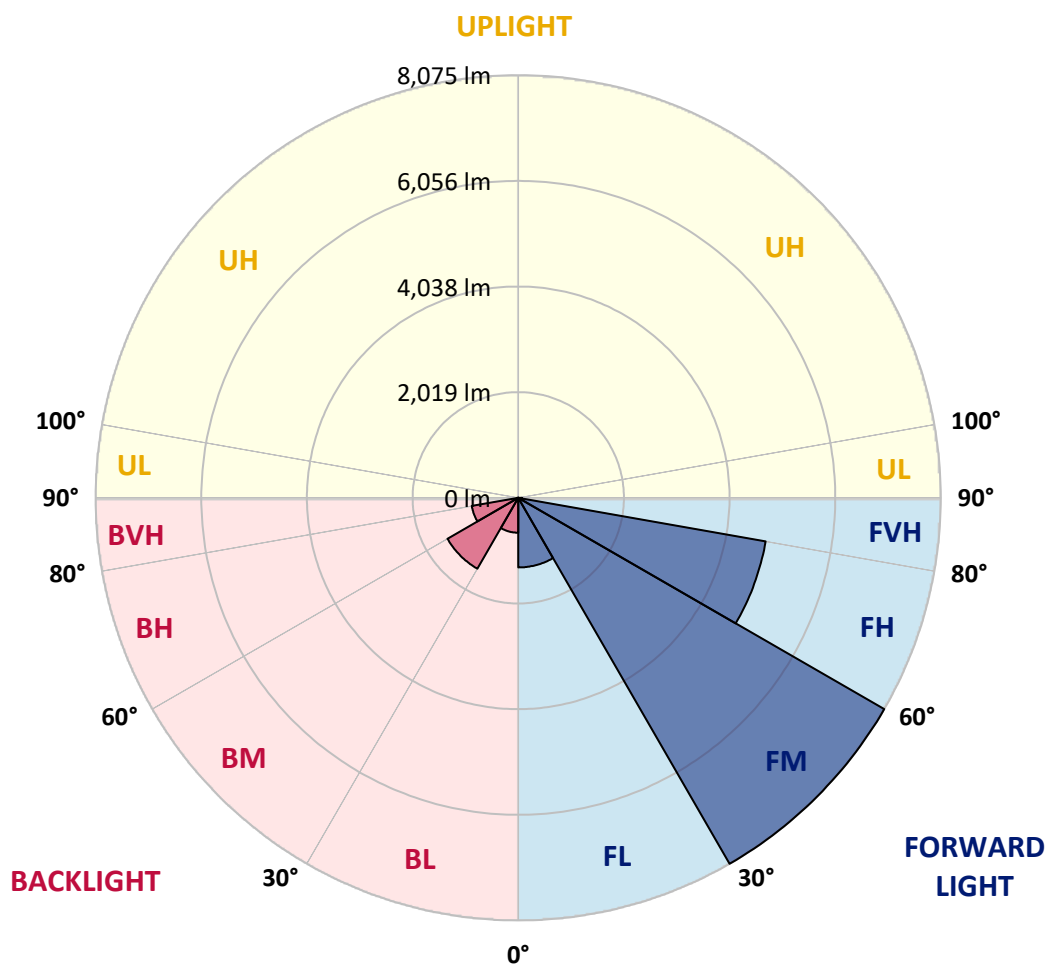
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1330.1 | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 8075.2 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 4800.1 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 71.4   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 667.0  | 3.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1563.0 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 901.4  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 26.8   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 2888.4 | 2888.4 | 2888.4 | 2888.4 | 2888.4 | 2888.4 | 2888.4 | 2888.4  | 2888.4  | 2888.4  |
| 2.5°  | 3052.8 | 3070.4 | 3060.4 | 3055.3 | 3046.6 | 3034.0 | 3024.0 | 2992.6  | 2959.9  | 2938.6  |
| 5°    | 3114.3 | 3131.9 | 3130.7 | 3135.7 | 3142.0 | 3145.7 | 3143.2 | 3108.1  | 3061.6  | 3025.2  |
| 7.5°  | 3061.6 | 3081.7 | 3098.0 | 3123.1 | 3167.1 | 3213.5 | 3236.1 | 3228.6  | 3180.9  | 3130.7  |
| 10°   | 2912.2 | 2933.6 | 2972.5 | 3031.5 | 3124.4 | 3224.8 | 3308.9 | 3347.8  | 3317.7  | 3262.5  |
| 12.5° | 2638.6 | 2659.9 | 2736.5 | 2864.5 | 3020.2 | 3194.7 | 3355.4 | 3459.5  | 3467.1  | 3411.8  |
| 15°   | 2331.0 | 2352.4 | 2434.0 | 2594.7 | 2831.9 | 3111.8 | 3380.5 | 3577.5  | 3644.1  | 3596.4  |
| 17.5° | 2140.2 | 2159.1 | 2220.6 | 2349.9 | 2597.2 | 2946.1 | 3371.7 | 3703.1  | 3855.0  | 3817.3  |
| 20°   | 2082.5 | 2098.8 | 2127.7 | 2218.1 | 2423.9 | 2774.2 | 3313.9 | 3821.1  | 4082.2  | 4060.8  |
| 22.5° | 2144.0 | 2159.1 | 2167.9 | 2208.0 | 2337.3 | 2661.2 | 3241.1 | 3941.6  | 4345.8  | 4348.3  |
| 25°   | 2285.9 | 2300.9 | 2290.9 | 2316.0 | 2372.5 | 2626.0 | 3213.5 | 4083.4  | 4677.2  | 4704.8  |
| 27.5° | 2519.3 | 2520.6 | 2496.7 | 2495.5 | 2504.3 | 2678.8 | 3242.4 | 4235.3  | 5095.2  | 5146.6  |
| 30°   | 2987.6 | 2968.7 | 2877.1 | 2777.9 | 2732.7 | 2836.9 | 3322.7 | 4414.8  | 5588.5  | 5680.1  |
| 32.5° | 3709.3 | 3681.7 | 3513.5 | 3276.3 | 3037.8 | 3091.7 | 3467.1 | 4619.4  | 6125.7  | 6291.4  |
| 35°   | 4492.6 | 4485.1 | 4309.4 | 3956.6 | 3539.9 | 3454.5 | 3701.8 | 4888.0  | 6712.0  | 6975.6  |
| 37.5° | 5220.7 | 5216.9 | 5116.5 | 4701.0 | 4193.9 | 3960.4 | 4078.4 | 5239.5  | 7339.6  | 7721.2  |
| 40°   | 5886.0 | 5897.3 | 5796.9 | 5425.3 | 4914.4 | 4609.4 | 4590.5 | 5673.8  | 8037.5  | 8533.4  |
| 42.5° | 6460.9 | 6473.5 | 6371.8 | 6096.9 | 5626.1 | 5327.4 | 5219.4 | 6206.1  | 8719.1  | 9405.8  |
| 45°   | 6851.3 | 6929.1 | 6914.1 | 6694.4 | 6356.7 | 6046.7 | 5975.1 | 6873.9  | 9496.2  | 10330.9 |
| 47.5° | 6961.8 | 7033.3 | 7146.3 | 7176.4 | 6970.5 | 6665.5 | 6750.9 | 7678.5  | 10282.0 | 11257.3 |
| 50°   | 6689.4 | 6755.9 | 6990.6 | 7303.2 | 7446.3 | 7352.2 | 7505.3 | 8540.9  | 11086.6 | 12181.2 |
| 52.5° | 6152.1 | 6219.9 | 6516.1 | 7010.7 | 7594.4 | 7890.7 | 8262.2 | 9390.7  | 11866.1 | 13056.1 |
| 55°   | 5375.1 | 5446.6 | 5827.0 | 6386.8 | 7312.0 | 8112.8 | 8893.6 | 10239.3 | 12580.4 | 13843.2 |
| 57.5° | 4318.1 | 4370.9 | 4766.3 | 5549.6 | 6601.5 | 7891.9 | 9359.3 | 11165.7 | 13253.2 | 14616.4 |
| 60°   | 2814.3 | 2860.8 | 3320.2 | 4193.9 | 5424.0 | 7153.8 | 9452.2 | 12198.8 | 14147.0 | 15621.9 |
| 62.5° | 1871.6 | 1903.0 | 2175.4 | 2816.8 | 3819.8 | 5736.6 | 8908.7 | 13023.5 | 15457.5 | 17371.8 |
| 65°   | 1284.1 | 1315.5 | 1587.9 | 2034.8 | 2467.9 | 3794.7 | 7345.9 | 12914.3 | 16645.0 | 18761.4 |
| 67.5° | 916.4  | 942.7  | 1173.7 | 1595.5 | 1786.3 | 2204.3 | 4979.7 | 11518.4 | 16474.2 | 18814.1 |
| 70°   | 656.5  | 671.6  | 862.4  | 1242.7 | 1419.7 | 1324.3 | 2769.1 | 8809.5  | 14424.4 | 17373.0 |
| 72.5° | 459.4  | 464.5  | 598.8  | 946.5  | 1143.6 | 966.6  | 1318.0 | 5873.4  | 10909.6 | 13636.1 |
| 75°   | 311.3  | 317.6  | 402.9  | 694.2  | 917.6  | 738.1  | 697.9  | 3149.5  | 6404.4  | 7548.0  |
| 77.5° | 190.8  | 193.3  | 259.8  | 474.5  | 686.6  | 562.4  | 449.4  | 1334.4  | 2477.9  | 2432.7  |
| 80°   | 108.0  | 108.0  | 165.7  | 295.0  | 468.2  | 362.8  | 315.1  | 567.4   | 784.5   | 689.1   |
| 82.5° | 60.3   | 61.5   | 120.5  | 183.3  | 310.1  | 214.7  | 173.2  | 262.4   | 338.9   | 300.0   |
| 85°   | 25.1   | 27.6   | 74.1   | 86.6   | 148.1  | 106.7  | 70.3   | 110.5   | 125.5   | 111.7   |
| 87.5° | 2.5    | 3.8    | 22.6   | 16.3   | 17.6   | 21.3   | 10.0   | 21.3    | 17.6    | 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):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2888.4  | 0°    | 2888.4  | 2888.4 | 2888.4 | 2888.4 | 2888.4 | 2888.4 | 2888.4 | 2888.4 | 2888.4 | 2888.4 |
| 2931.1  | 2.5°  | 2907.2  | 2888.4 | 2840.7 | 2785.5 | 2712.7 | 2677.5 | 2629.8 | 2597.2 | 2569.5 | 2572.1 |
| 3003.9  | 5°    | 2963.7  | 2916.0 | 2809.3 | 2676.2 | 2510.6 | 2392.6 | 2267.0 | 2180.4 | 2110.1 | 2095.1 |
| 3104.3  | 7.5°  | 3041.5  | 2966.2 | 2779.2 | 2539.4 | 2259.5 | 2047.4 | 1857.8 | 1736.0 | 1649.4 | 1621.8 |
| 3226.1  | 10°   | 3142.0  | 3032.7 | 2740.3 | 2367.5 | 1964.5 | 1694.6 | 1491.3 | 1395.9 | 1336.9 | 1316.8 |
| 3369.2  | 12.5° | 3258.7  | 3109.3 | 2688.8 | 2157.8 | 1660.7 | 1400.9 | 1271.6 | 1223.9 | 1205.1 | 1198.8 |
| 3544.9  | 15°   | 3405.6  | 3204.7 | 2611.0 | 1909.3 | 1403.4 | 1221.4 | 1166.2 | 1159.9 | 1162.4 | 1159.9 |
| 3755.8  | 17.5° | 3580.0  | 3308.9 | 2484.2 | 1653.2 | 1230.2 | 1129.7 | 1109.7 | 1114.7 | 1121.0 | 1119.7 |
| 3991.8  | 20°   | 3770.8  | 3411.8 | 2322.3 | 1426.0 | 1112.2 | 1064.5 | 1053.2 | 1058.2 | 1063.2 | 1060.7 |
| 4264.2  | 22.5° | 3988.0  | 3522.3 | 2142.8 | 1249.0 | 1033.1 | 1004.2 | 991.7  | 992.9  | 992.9  | 987.9  |
| 4609.4  | 25°   | 4247.9  | 3644.1 | 1954.5 | 1123.5 | 972.8  | 950.2  | 935.2  | 930.2  | 922.6  | 907.6  |
| 5028.6  | 27.5° | 4557.9  | 3773.4 | 1773.7 | 1035.6 | 925.1  | 903.8  | 886.2  | 873.7  | 854.8  | 829.7  |
| 5532.0  | 30°   | 4906.9  | 3930.3 | 1620.6 | 980.4  | 887.5  | 866.1  | 846.1  | 827.2  | 799.6  | 768.2  |
| 6110.7  | 32.5° | 5317.3  | 4098.5 | 1508.8 | 944.0  | 853.6  | 831.0  | 807.1  | 784.5  | 754.4  | 723.0  |
| 6760.9  | 35°   | 5806.9  | 4301.8 | 1443.6 | 918.9  | 827.2  | 797.1  | 770.7  | 745.6  | 723.0  | 695.4  |
| 7467.6  | 37.5° | 6337.9  | 4517.7 | 1423.5 | 906.3  | 809.7  | 763.2  | 733.1  | 715.5  | 713.0  | 696.7  |
| 8232.1  | 40°   | 6919.1  | 4773.8 | 1438.5 | 898.8  | 790.8  | 730.6  | 697.9  | 694.2  | 700.4  | 671.6  |
| 9049.3  | 42.5° | 7534.2  | 5077.6 | 1463.7 | 890.0  | 764.5  | 697.9  | 666.6  | 666.6  | 661.5  | 621.4  |
| 9912.9  | 45°   | 8199.5  | 5427.8 | 1488.8 | 868.7  | 733.1  | 665.3  | 641.4  | 632.7  | 611.3  | 572.4  |
| 10781.6 | 47.5° | 8869.8  | 5784.3 | 1507.6 | 829.7  | 695.4  | 637.7  | 616.3  | 596.3  | 564.9  | 529.7  |
| 11633.9 | 50°   | 9506.2  | 6104.4 | 1487.5 | 772.0  | 652.7  | 611.3  | 588.7  | 561.1  | 527.2  | 503.4  |
| 12441.0 | 52.5° | 10074.8 | 6381.8 | 1402.1 | 704.2  | 607.6  | 583.7  | 563.6  | 534.7  | 507.1  | 482.0  |
| 13169.1 | 55°   | 10569.4 | 6606.5 | 1251.5 | 640.2  | 567.4  | 559.9  | 539.8  | 503.4  | 465.7  | 444.4  |
| 13890.9 | 57.5° | 11043.9 | 6777.2 | 1063.2 | 587.5  | 531.0  | 533.5  | 503.4  | 470.7  | 435.6  | 413.0  |
| 14863.7 | 60°   | 11675.3 | 7005.7 | 872.4  | 538.5  | 492.1  | 499.6  | 467.0  | 443.1  | 399.2  | 370.3  |
| 16532.0 | 62.5° | 12684.6 | 7360.9 | 692.9  | 478.3  | 446.9  | 449.4  | 435.6  | 406.7  | 354.0  | 320.1  |
| 17768.4 | 65°   | 13485.4 | 7230.4 | 546.0  | 413.0  | 395.4  | 399.2  | 399.2  | 367.8  | 311.3  | 272.4  |
| 17835.0 | 67.5° | 13395.0 | 6191.0 | 435.6  | 349.0  | 346.5  | 349.0  | 357.8  | 331.4  | 276.2  | 244.8  |
| 16476.7 | 70°   | 12339.4 | 4924.4 | 349.0  | 290.0  | 301.3  | 295.0  | 320.1  | 302.5  | 248.5  | 217.2  |
| 12773.7 | 72.5° | 10068.6 | 3547.4 | 266.1  | 239.8  | 231.0  | 241.0  | 288.7  | 272.4  | 207.1  | 172.0  |
| 6765.9  | 75°   | 5883.5  | 1893.0 | 198.3  | 189.5  | 167.0  | 200.8  | 256.1  | 232.2  | 158.2  | 126.8  |
| 2073.7  | 77.5° | 1915.6  | 660.3  | 145.6  | 139.3  | 124.3  | 161.9  | 218.4  | 195.8  | 129.3  | 100.4  |
| 607.6   | 80°   | 513.4   | 199.6  | 99.2   | 91.6   | 80.3   | 120.5  | 173.2  | 155.7  | 92.9   | 65.3   |
| 261.1   | 82.5° | 205.9   | 84.1   | 57.7   | 51.5   | 43.9   | 82.8   | 136.8  | 125.5  | 69.0   | 41.4   |
| 81.6    | 85°   | 66.5    | 27.6   | 21.3   | 16.3   | 20.1   | 51.5   | 81.6   | 85.4   | 49.0   | 21.3   |
| 12.6    | 87.5° | 8.8     | 3.8    | 3.8    | 5.0    | 3.8    | 8.8    | 25.1   | 23.9   | 13.8   | 2.5    |
| 0.0     | 90°   | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O



| 180°   |
|--------|
| 2888.4 |
| 2547.0 |
| 2061.2 |
| 1594.2 |
| 1301.7 |
| 1195.0 |
| 1158.6 |
| 1117.2 |
| 1059.5 |
| 985.4  |
| 905.1  |
| 827.2  |
| 765.7  |
| 724.3  |
| 692.9  |
| 695.4  |
| 672.8  |
| 621.4  |
| 571.2  |
| 528.5  |
| 499.6  |
| 479.5  |
| 441.9  |
| 410.5  |
| 366.5  |
| 317.6  |
| 268.6  |
| 239.8  |
| 213.4  |
| 168.2  |
| 123.0  |
| 96.7   |
| 64.0   |
| 41.4   |
| 16.3   |
| 0.0    |
| 0.0    |