

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: P940988

Luminaire Tested: **GLAN-SB4B-760-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940988  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-760-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 18078 lumens  
Efficiency: N/A  
Efficacy: 123.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

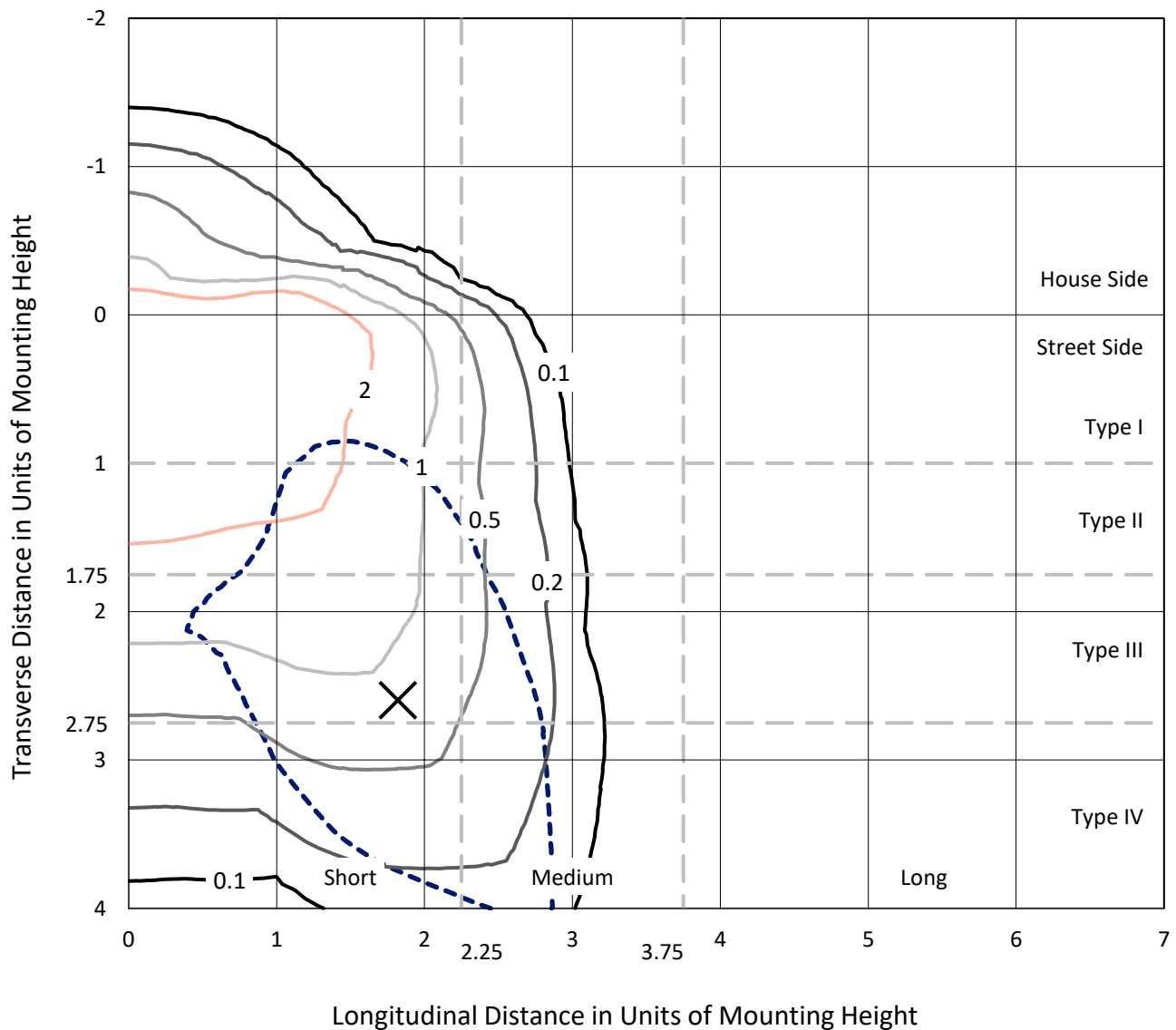
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

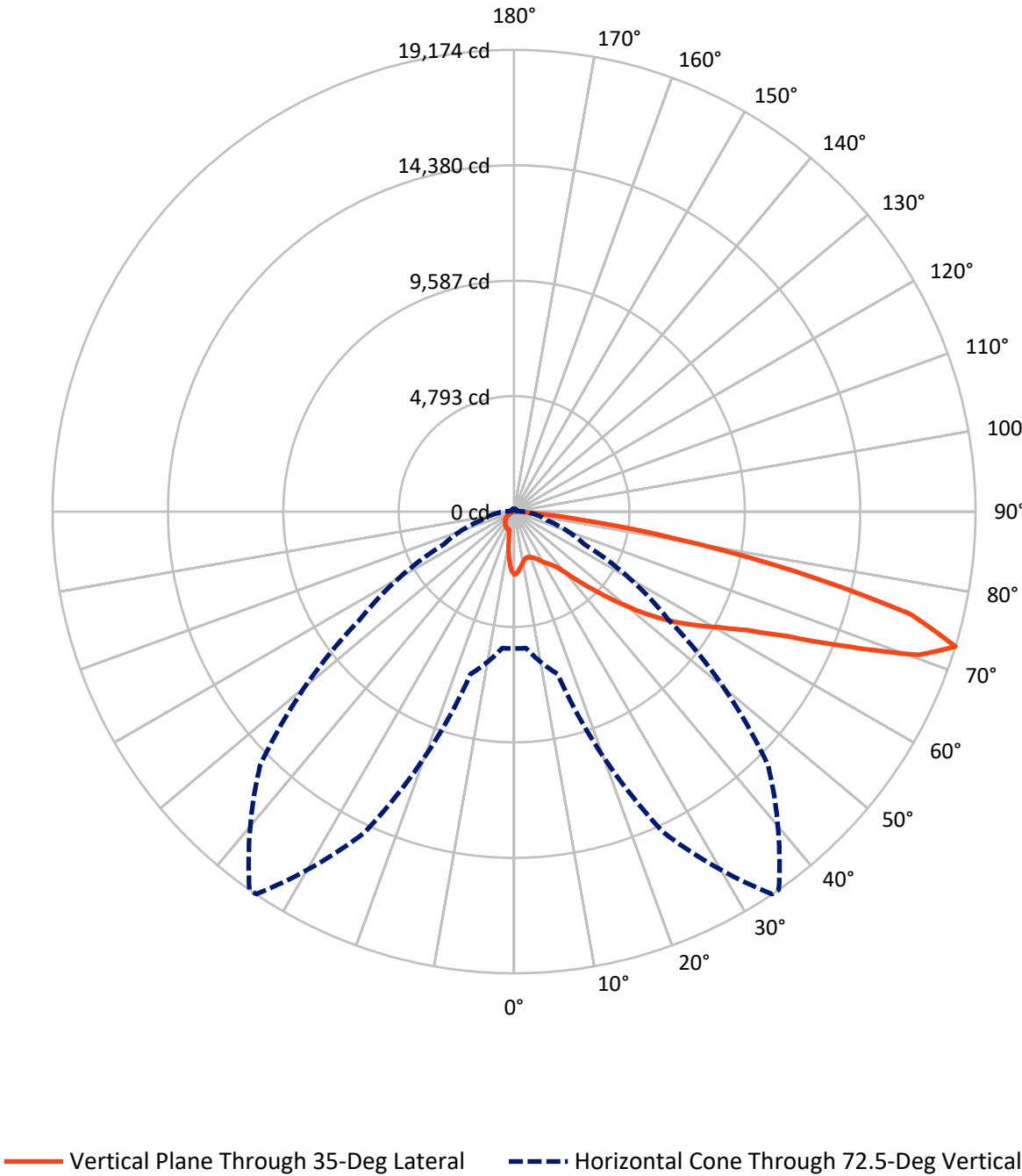
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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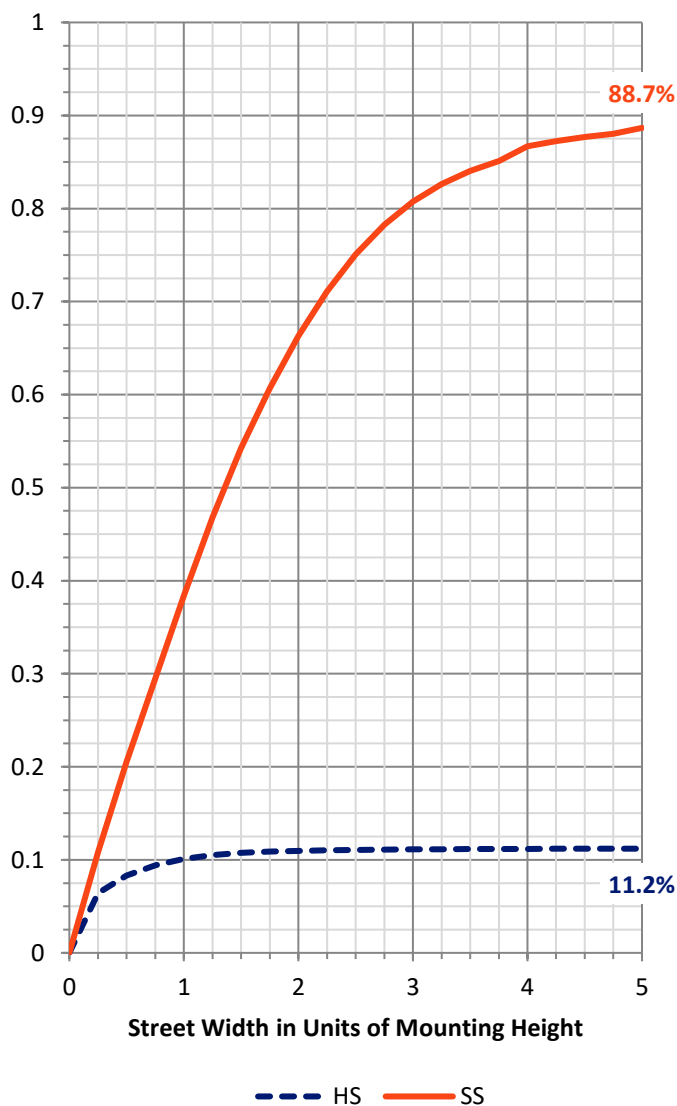
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2034.6   | 0.0    | 2034.6  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 16043.4  | 0.0    | 16043.4 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 18078.0  | 0.0    | 18078.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 215.3   | 1.2       |
| 10°-20°   | 503.7   | 2.8       |
| 20°-30°   | 818.2   | 4.5       |
| 30°-40°   | 1365.2  | 7.6       |
| 40°-50°   | 2582.9  | 14.3      |
| 50°-60°   | 4104.3  | 22.7      |
| 60°-70°   | 5077.3  | 28.1      |
| 70°-80°   | 3156.1  | 17.5      |
| 80°-90°   | 255.1   | 1.4       |
| 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°    | 18078.0 | 100.0     |
| 0°-180°   | 18078.0 | 100.0     |

**Coefficient of Utilization**



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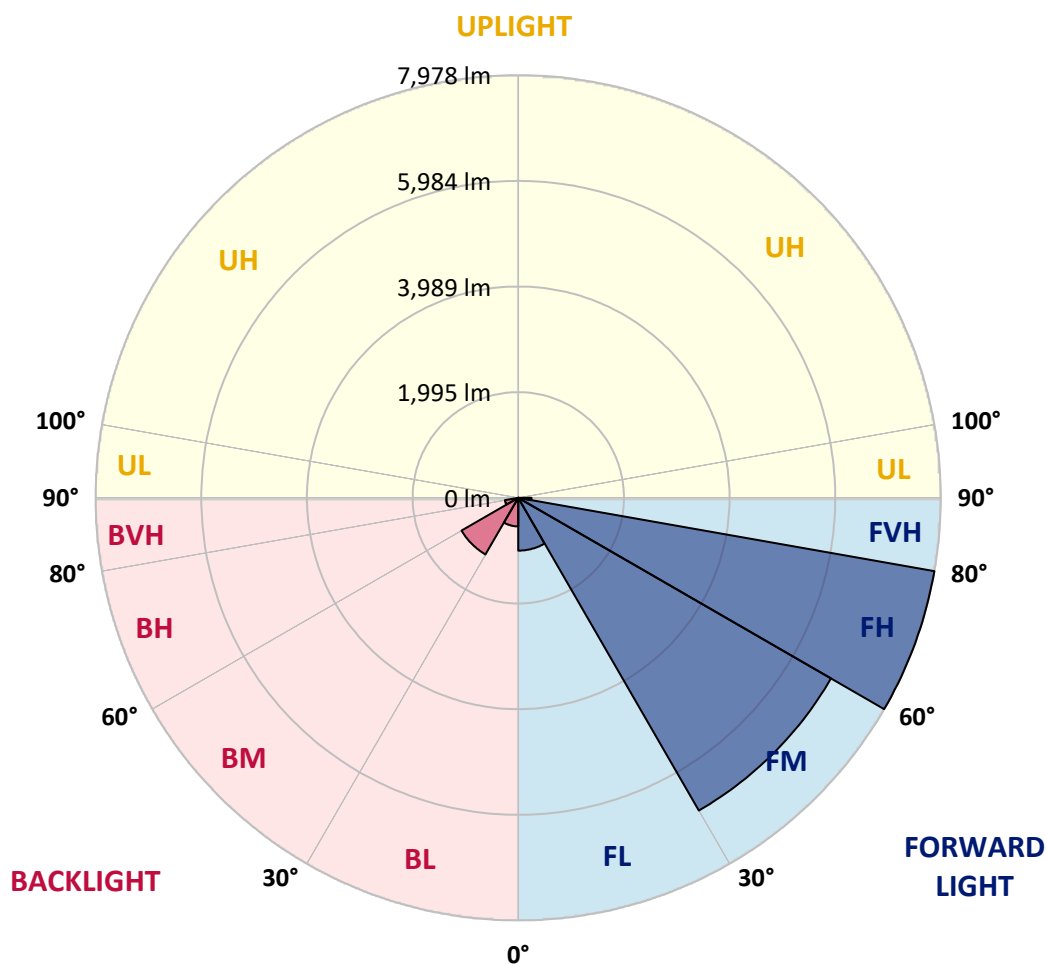
CATALOG NUMBER: GLAN-SB4B-760-U-T4FT-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 996.6  | 5.5       |                         |      |          |
| FM   | (30°-60°)   | 6817.2 | 37.7      |                         |      |          |
| FH   | (60°-80°)   | 7978.0 | 44.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 251.6  | 1.4       |                         |      | G3/500   |
| BL   | (0°-30°)    | 540.6  | 3.0       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1235.2 | 6.8       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 255.3  | 1.4       | B1/500                  |      | G1/500   |
| BVH  | (80°-90°)   | 3.5    | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 34°     | 35°     | 45°     | 55°     | 65°    | 75°    |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|--------|--------|
| 0°    | 2620.1 | 2620.1 | 2620.1 | 2620.1  | 2620.1  | 2620.1  | 2620.1  | 2620.1  | 2620.1 | 2620.1 |
| 2.5°  | 2503.5 | 2524.7 | 2528.7 | 2535.3  | 2535.3  | 2543.3  | 2556.5  | 2575.1  | 2605.5 | 2621.4 |
| 5°    | 2307.5 | 2323.4 | 2343.3 | 2359.2  | 2389.6  | 2393.6  | 2445.3  | 2495.6  | 2565.8 | 2618.8 |
| 7.5°  | 2110.1 | 2128.7 | 2155.2 | 2193.6  | 2233.3  | 2245.2  | 2323.4  | 2408.2  | 2519.4 | 2618.8 |
| 10°   | 1971.0 | 1972.4 | 1996.2 | 2034.6  | 2098.2  | 2112.8  | 2208.1  | 2328.7  | 2467.8 | 2602.9 |
| 12.5° | 1892.9 | 1902.2 | 1912.8 | 1941.9  | 2002.8  | 2012.1  | 2114.1  | 2255.8  | 2416.1 | 2593.6 |
| 15°   | 1892.9 | 1899.5 | 1906.1 | 1920.7  | 1969.7  | 1977.7  | 2067.7  | 2209.5  | 2389.6 | 2597.6 |
| 17.5° | 1912.8 | 1923.4 | 1918.1 | 1935.3  | 1986.9  | 1992.2  | 2071.7  | 2196.2  | 2388.3 | 2622.8 |
| 20°   | 1960.4 | 1968.4 | 1957.8 | 1968.4  | 2020.1  | 2030.7  | 2112.8  | 2221.4  | 2410.8 | 2666.5 |
| 22.5° | 2035.9 | 2039.9 | 2014.8 | 2022.7  | 2075.7  | 2088.9  | 2184.3  | 2292.9  | 2465.1 | 2736.7 |
| 25°   | 2131.3 | 2139.3 | 2100.9 | 2110.1  | 2160.5  | 2176.4  | 2286.3  | 2400.2  | 2551.2 | 2833.4 |
| 27.5° | 2241.3 | 2245.2 | 2212.1 | 2210.8  | 2275.7  | 2298.2  | 2409.5  | 2532.7  | 2666.5 | 2955.2 |
| 30°   | 2367.1 | 2379.0 | 2347.2 | 2341.9  | 2424.1  | 2442.6  | 2552.6  | 2695.6  | 2836.0 | 3138.0 |
| 32.5° | 2466.5 | 2475.7 | 2457.2 | 2470.4  | 2553.9  | 2568.4  | 2726.1  | 2926.1  | 3102.3 | 3397.7 |
| 35°   | 2609.5 | 2614.8 | 2572.4 | 2596.3  | 2691.6  | 2728.7  | 2963.2  | 3249.3  | 3437.4 | 3723.5 |
| 37.5° | 3127.4 | 3127.4 | 2947.3 | 2829.4  | 2920.8  | 2953.9  | 3287.7  | 3656.0  | 3850.7 | 4160.6 |
| 40°   | 3844.1 | 3832.1 | 3568.5 | 3327.5  | 3315.5  | 3380.4  | 3750.0  | 4168.6  | 4384.5 | 4685.2 |
| 42.5° | 4608.4 | 4589.8 | 4230.9 | 3992.4  | 3952.7  | 3975.2  | 4283.8  | 4800.4  | 5020.3 | 5325.0 |
| 45°   | 5286.6 | 5281.3 | 4952.8 | 4632.2  | 4560.7  | 4632.2  | 4950.1  | 5539.6  | 5697.2 | 6017.8 |
| 47.5° | 5854.8 | 5854.8 | 5615.1 | 5405.8  | 5368.7  | 5411.1  | 5852.2  | 6359.5  | 6345.0 | 6755.6 |
| 50°   | 6509.2 | 6503.9 | 6276.1 | 6186.0  | 6224.4  | 6284.0  | 6890.7  | 7223.2  | 7015.2 | 7480.2 |
| 52.5° | 6967.5 | 6999.3 | 6921.2 | 6906.6  | 7102.6  | 7206.0  | 7945.1  | 8068.3  | 7615.3 | 8167.6 |
| 55°   | 7330.5 | 7367.6 | 7457.6 | 7559.6  | 7937.2  | 8072.3  | 8966.4  | 8869.7  | 8117.3 | 8763.7 |
| 57.5° | 7844.4 | 7791.4 | 7930.5 | 8131.9  | 8742.5  | 8905.5  | 9955.9  | 9626.1  | 8521.3 | 9247.2 |
| 60°   | 8468.3 | 8476.3 | 8500.1 | 8754.4  | 9546.6  | 9755.9  | 10930.8 | 10341.3 | 8780.9 | 9543.9 |
| 62.5° | 9218.1 | 9230.0 | 9279.0 | 9669.8  | 10626.1 | 10823.5 | 11969.3 | 10926.8 | 8900.2 | 9460.5 |
| 65°   | 9166.4 | 9216.7 | 9763.8 | 11100.4 | 12267.4 | 12462.1 | 13181.3 | 11337.5 | 8720.0 | 8697.5 |
| 67.5° | 8350.4 | 8432.6 | 9347.9 | 12809.1 | 14741.8 | 14959.0 | 14646.4 | 11418.3 | 7942.5 | 6763.5 |
| 70°   | 7280.1 | 7309.3 | 8410.0 | 14345.7 | 17606.9 | 17826.8 | 15957.8 | 10529.4 | 6027.0 | 3772.5 |
| 72.5° | 5685.3 | 5691.9 | 6983.4 | 14702.0 | 19162.0 | 19173.9 | 14928.5 | 7816.6  | 3241.4 | 1449.1 |
| 75°   | 4061.3 | 4021.6 | 4677.3 | 11922.9 | 16858.5 | 16993.6 | 11191.8 | 3666.6  | 1238.5 | 684.8  |
| 77.5° | 2177.7 | 2221.4 | 2646.6 | 7070.8  | 11646.1 | 11876.6 | 6106.5  | 1057.1  | 630.5  | 466.3  |
| 80°   | 672.9  | 710.0  | 1084.9 | 3237.4  | 6596.6  | 6735.7  | 2263.8  | 470.2   | 439.8  | 332.5  |
| 82.5° | 211.9  | 219.9  | 506.0  | 1360.4  | 2738.0  | 2801.6  | 655.7   | 266.2   | 300.7  | 219.9  |
| 85°   | 60.9   | 62.3   | 225.2  | 507.3   | 676.9   | 690.1   | 184.1   | 103.3   | 172.2  | 136.4  |
| 87.5° | 6.6    | 21.2   | 84.8   | 84.8    | 59.6    | 58.3    | 19.9    | 22.5    | 49.0   | 17.2   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2620.1 | 0°    | 2620.1 | 2620.1 | 2620.1 | 2620.1 | 2620.1 | 2620.1 | 2620.1 | 2620.1 | 2620.1 | 2620.1 |
| 2632.0 | 2.5°  | 2625.4 | 2626.7 | 2609.5 | 2580.4 | 2548.6 | 2522.1 | 2489.0 | 2462.5 | 2443.9 | 2438.6 |
| 2655.9 | 5°    | 2644.0 | 2634.7 | 2585.7 | 2496.9 | 2390.9 | 2299.5 | 2197.6 | 2116.8 | 2063.8 | 2041.2 |
| 2681.0 | 7.5°  | 2671.8 | 2645.3 | 2538.0 | 2363.1 | 2160.5 | 1980.3 | 1797.5 | 1655.8 | 1565.7 | 1520.7 |
| 2704.9 | 10°   | 2695.6 | 2642.6 | 2458.5 | 2169.7 | 1859.8 | 1586.9 | 1340.5 | 1169.6 | 1074.3 | 1029.2 |
| 2732.7 | 12.5° | 2718.1 | 2641.3 | 2355.2 | 1940.6 | 1520.7 | 1186.9 | 957.7  | 872.9  | 846.4  | 837.2  |
| 2777.7 | 15°   | 2760.5 | 2645.3 | 2225.4 | 1678.3 | 1182.9 | 896.8  | 813.3  | 812.0  | 817.3  | 814.6  |
| 2846.6 | 17.5° | 2818.8 | 2649.3 | 2078.3 | 1400.1 | 912.7  | 790.8  | 786.8  | 798.7  | 806.7  | 802.7  |
| 2932.7 | 20°   | 2894.3 | 2665.1 | 1922.0 | 1124.6 | 784.2  | 764.3  | 773.6  | 784.2  | 790.8  | 784.2  |
| 3048.0 | 22.5° | 3000.3 | 2693.0 | 1751.2 | 903.4  | 743.1  | 748.4  | 756.4  | 768.3  | 774.9  | 765.6  |
| 3195.0 | 25°   | 3130.1 | 2736.7 | 1582.9 | 785.5  | 723.2  | 729.9  | 741.8  | 755.0  | 763.0  | 753.7  |
| 3380.4 | 27.5° | 3298.3 | 2806.9 | 1427.9 | 759.0  | 703.4  | 707.3  | 724.6  | 744.4  | 755.0  | 743.1  |
| 3644.0 | 30°   | 3542.0 | 2922.1 | 1294.2 | 770.9  | 691.5  | 682.2  | 706.0  | 733.8  | 745.8  | 735.2  |
| 4003.0 | 32.5° | 3865.3 | 3085.1 | 1212.0 | 789.5  | 686.2  | 653.0  | 675.6  | 711.3  | 731.2  | 724.6  |
| 4471.9 | 35°   | 4289.1 | 3332.8 | 1180.2 | 810.7  | 682.2  | 622.6  | 638.5  | 676.9  | 711.3  | 717.9  |
| 5062.7 | 37.5° | 4803.1 | 3677.2 | 1189.5 | 819.9  | 670.3  | 597.4  | 605.4  | 638.5  | 683.5  | 704.7  |
| 5727.7 | 40°   | 5387.3 | 4078.5 | 1242.5 | 810.7  | 657.0  | 576.2  | 577.5  | 602.7  | 642.4  | 674.2  |
| 6443.0 | 42.5° | 5990.0 | 4547.4 | 1340.5 | 776.2  | 645.1  | 557.7  | 553.7  | 570.9  | 597.4  | 619.9  |
| 7156.9 | 45°   | 6563.5 | 5029.6 | 1437.2 | 728.5  | 630.5  | 539.1  | 529.9  | 536.5  | 541.8  | 551.0  |
| 7852.4 | 47.5° | 7064.2 | 5368.7 | 1409.4 | 684.8  | 610.7  | 517.9  | 502.0  | 499.4  | 483.5  | 482.2  |
| 8473.6 | 50°   | 7410.0 | 5442.9 | 1251.8 | 641.1  | 581.5  | 494.1  | 468.9  | 453.0  | 425.2  | 412.0  |
| 8938.6 | 52.5° | 7519.9 | 5150.1 | 1022.6 | 597.4  | 533.8  | 462.3  | 426.5  | 401.4  | 366.9  | 355.0  |
| 9206.1 | 55°   | 7374.2 | 4576.6 | 817.3  | 544.4  | 467.6  | 419.9  | 380.2  | 347.1  | 319.2  | 304.7  |
| 9235.3 | 57.5° | 7017.9 | 3846.7 | 646.4  | 482.2  | 397.4  | 372.2  | 332.5  | 299.4  | 275.5  | 261.0  |
| 8912.1 | 60°   | 6427.1 | 3054.6 | 511.3  | 408.0  | 339.1  | 320.6  | 279.5  | 258.3  | 237.1  | 219.9  |
| 8077.6 | 62.5° | 5530.3 | 2180.3 | 401.4  | 323.2  | 283.5  | 262.3  | 238.4  | 222.5  | 197.4  | 173.5  |
| 6576.8 | 65°   | 4315.6 | 1333.9 | 310.0  | 237.1  | 227.8  | 217.2  | 202.7  | 188.1  | 157.6  | 133.8  |
| 4290.5 | 67.5° | 2722.1 | 631.8  | 221.2  | 178.8  | 180.1  | 174.9  | 168.2  | 156.3  | 133.8  | 112.6  |
| 1922.0 | 70°   | 1198.8 | 306.0  | 145.7  | 136.4  | 133.8  | 133.8  | 139.1  | 135.1  | 113.9  | 94.0   |
| 667.6  | 72.5° | 408.0  | 164.3  | 108.6  | 103.3  | 96.7   | 95.4   | 116.6  | 112.6  | 91.4   | 72.9   |
| 332.5  | 75°   | 213.3  | 109.9  | 79.5   | 74.2   | 58.3   | 70.2   | 92.7   | 87.4   | 64.9   | 47.7   |
| 219.9  | 77.5° | 139.1  | 78.2   | 54.3   | 47.7   | 33.1   | 46.4   | 68.9   | 60.9   | 38.4   | 23.8   |
| 144.4  | 80°   | 87.4   | 51.7   | 31.8   | 22.5   | 15.9   | 25.2   | 37.1   | 26.5   | 14.6   | 5.3    |
| 84.8   | 82.5° | 46.4   | 26.5   | 11.9   | 7.9    | 6.6    | 7.9    | 9.3    | 6.6    | 2.6    | 0.0    |
| 43.7   | 85°   | 18.5   | 9.3    | 4.0    | 2.6    | 1.3    | 0.0    | 2.6    | 1.3    | 0.0    | 0.0    |
| 7.9    | 87.5° | 6.6    | 1.3    | 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    |

(END O



| 180°   |
|--------|
| 2620.1 |
| 2447.9 |
| 2049.2 |
| 1527.3 |
| 1030.6 |
| 834.5  |
| 813.3  |
| 801.4  |
| 782.9  |
| 764.3  |
| 752.4  |
| 743.1  |
| 733.8  |
| 724.6  |
| 717.9  |
| 710.0  |
| 684.8  |
| 629.2  |
| 556.3  |
| 480.8  |
| 413.3  |
| 353.7  |
| 304.7  |
| 258.3  |
| 215.9  |
| 169.6  |
| 129.8  |
| 109.9  |
| 90.1   |
| 68.9   |
| 43.7   |
| 21.2   |
| 4.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |