

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: P852426

Luminaire Tested: **GLAN-SB3D-730-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852426  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 900mA 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: 22330 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

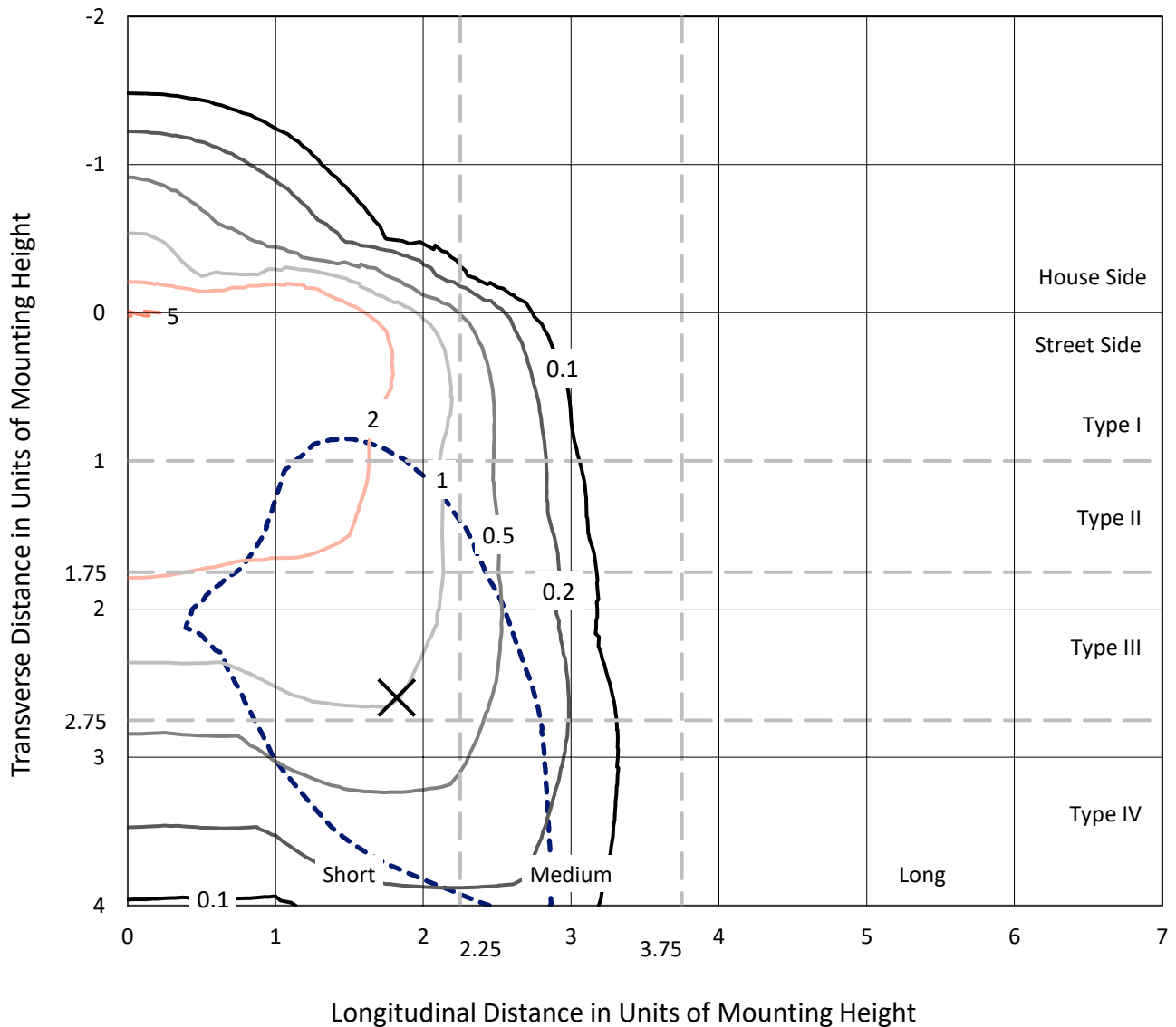
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

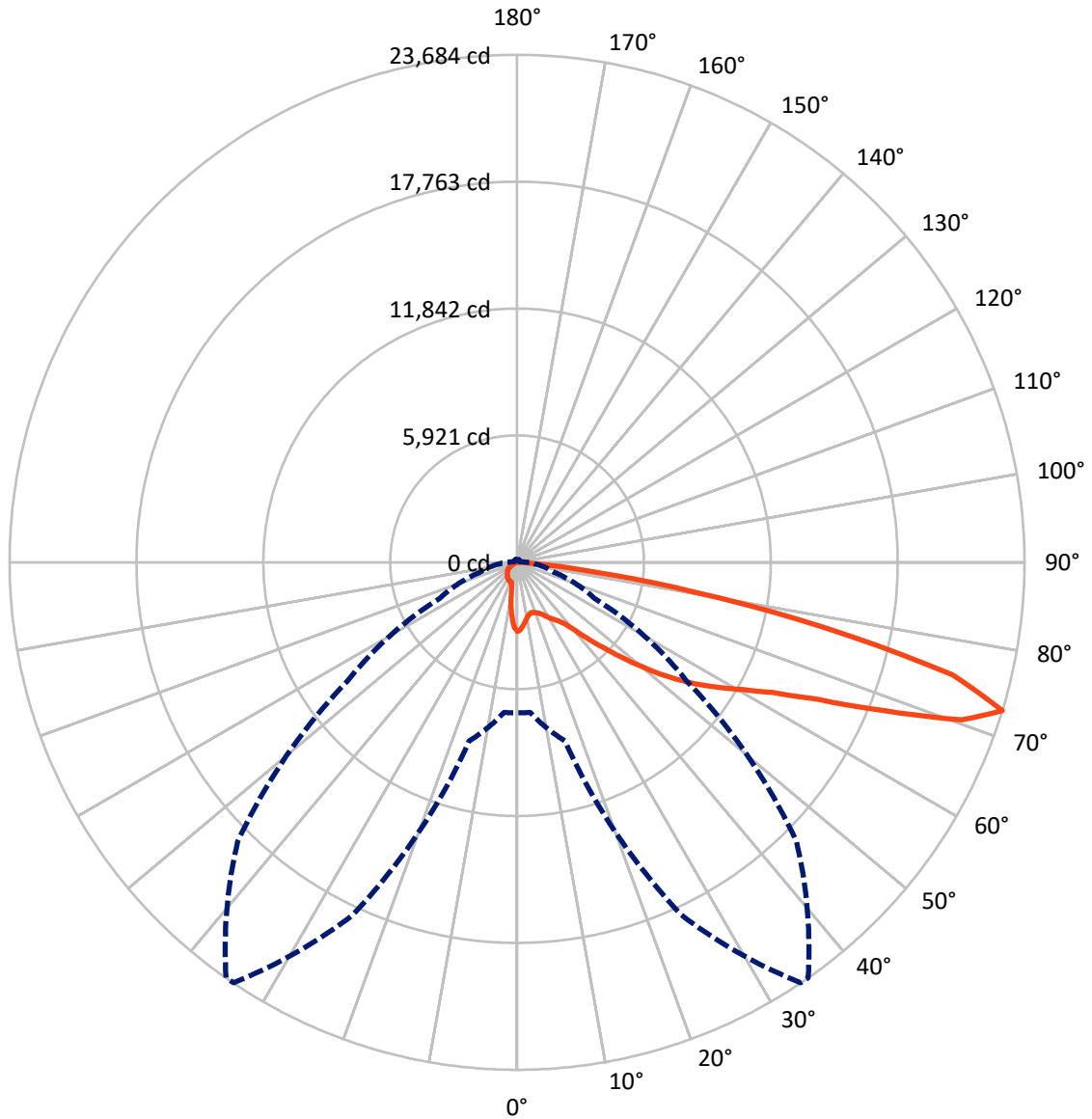
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2513.1   | 0.0    | 2513.1  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 19816.9  | 0.0    | 19816.9 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 22330.0  | 0.0    | 22330.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 265.9   | 1.2       |
| 10°-20°   | 622.1   | 2.8       |
| 20°-30°   | 1010.7  | 4.5       |
| 30°-40°   | 1686.3  | 7.6       |
| 40°-50°   | 3190.5  | 14.3      |
| 50°-60°   | 5069.6  | 22.7      |
| 60°-70°   | 6271.5  | 28.1      |
| 70°-80°   | 3898.4  | 17.5      |
| 80°-90°   | 315.1   | 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°    | 22330.0 | 100.0     |
| 0°-180°   | 22330.0 | 100.0     |

**Coefficient of Utilization**

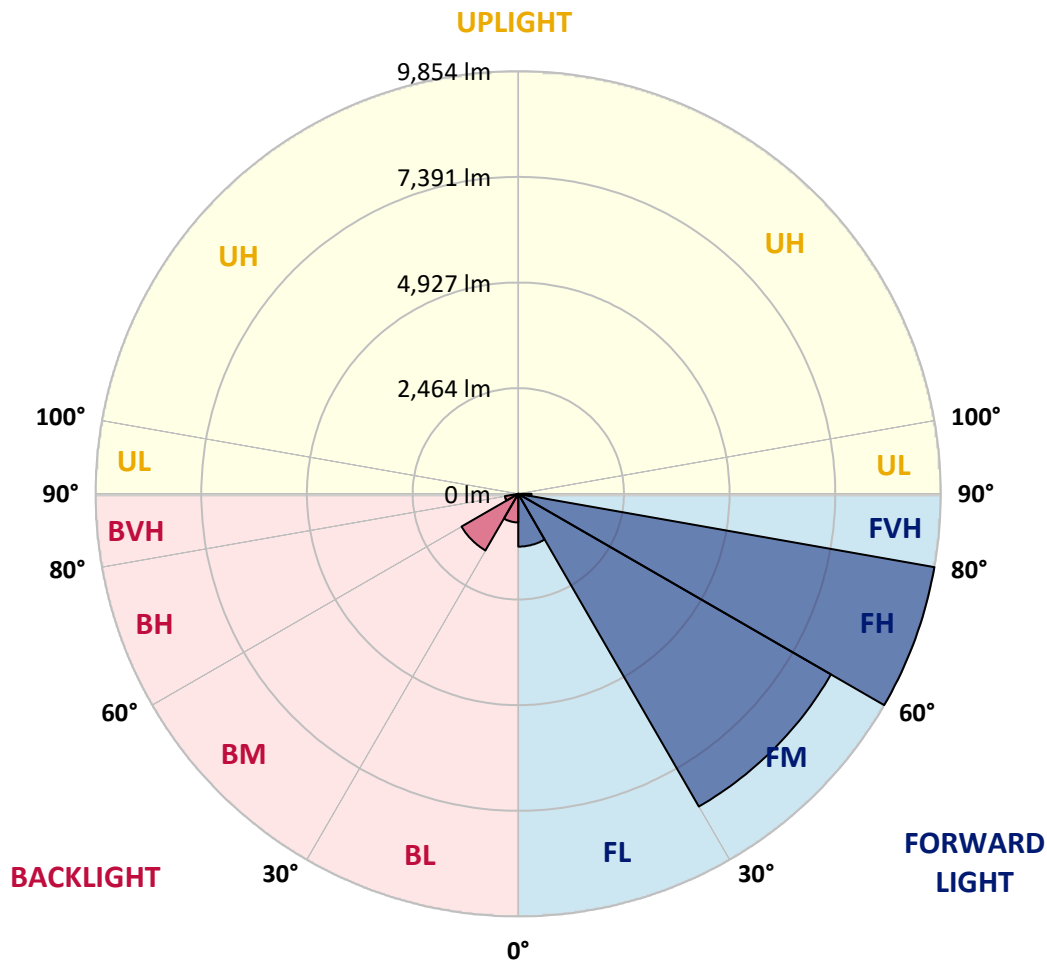


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|--------|-----------|-------------------------|------|----------|
|                |        |           | B                       | U    | G        |
| FL (0°-30°)    | 1230.9 | 5.5       |                         |      |          |
| FM (30°-60°)   | 8420.6 | 37.7      |                         |      |          |
| FH (60°-80°)   | 9854.5 | 44.1      |                         |      | G4/12000 |
| FVH (80°-90°)  | 310.8  | 1.4       |                         |      | G3/500   |
| BL (0°-30°)    | 667.8  | 3.0       | B2/1000                 |      |          |
| BM (30°-60°)   | 1525.7 | 6.8       | B2/2500                 |      |          |
| BH (60°-80°)   | 315.4  | 1.4       | B1/500                  |      | G1/500   |
| BVH (80°-90°)  | 4.3    | 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°    | 3236.4  | 3236.4  | 3236.4  | 3236.4  | 3236.4  | 3236.4  | 3236.4  | 3236.4  | 3236.4  | 3236.4  |
| 2.5°  | 3092.4  | 3118.6  | 3123.5  | 3131.7  | 3131.7  | 3141.5  | 3157.8  | 3180.7  | 3218.4  | 3238.0  |
| 5°    | 2850.2  | 2869.9  | 2894.4  | 2914.0  | 2951.7  | 2956.6  | 3020.4  | 3082.6  | 3169.3  | 3234.7  |
| 7.5°  | 2606.4  | 2629.3  | 2662.1  | 2709.5  | 2758.6  | 2773.3  | 2869.9  | 2974.6  | 3112.0  | 3234.7  |
| 10°   | 2434.6  | 2436.3  | 2465.7  | 2513.2  | 2591.7  | 2609.7  | 2727.5  | 2876.4  | 3048.2  | 3215.1  |
| 12.5° | 2338.1  | 2349.6  | 2362.6  | 2398.6  | 2473.9  | 2485.4  | 2611.3  | 2786.4  | 2984.4  | 3203.6  |
| 15°   | 2338.1  | 2346.3  | 2354.5  | 2372.5  | 2433.0  | 2442.8  | 2554.1  | 2729.1  | 2951.7  | 3208.6  |
| 17.5° | 2362.6  | 2375.7  | 2369.2  | 2390.5  | 2454.3  | 2460.8  | 2559.0  | 2712.8  | 2950.0  | 3239.6  |
| 20°   | 2421.5  | 2431.4  | 2418.3  | 2431.4  | 2495.2  | 2508.3  | 2609.7  | 2743.9  | 2977.8  | 3293.6  |
| 22.5° | 2514.8  | 2519.7  | 2488.6  | 2498.4  | 2563.9  | 2580.3  | 2698.1  | 2832.2  | 3044.9  | 3380.3  |
| 25°   | 2632.6  | 2642.4  | 2595.0  | 2606.4  | 2668.6  | 2688.2  | 2824.0  | 2964.8  | 3151.3  | 3499.8  |
| 27.5° | 2768.4  | 2773.3  | 2732.4  | 2730.8  | 2811.0  | 2838.8  | 2976.2  | 3128.4  | 3293.6  | 3650.3  |
| 30°   | 2923.9  | 2938.6  | 2899.3  | 2892.8  | 2994.2  | 3017.1  | 3152.9  | 3329.6  | 3503.1  | 3876.1  |
| 32.5° | 3046.6  | 3058.0  | 3035.1  | 3051.5  | 3154.6  | 3172.6  | 3367.3  | 3614.3  | 3831.9  | 4196.8  |
| 35°   | 3223.3  | 3229.8  | 3177.5  | 3206.9  | 3324.7  | 3370.5  | 3660.1  | 4013.6  | 4245.9  | 4599.3  |
| 37.5° | 3863.0  | 3863.0  | 3640.5  | 3494.9  | 3607.8  | 3648.7  | 4061.0  | 4515.9  | 4756.4  | 5139.2  |
| 40°   | 4748.2  | 4733.5  | 4407.9  | 4110.1  | 4095.4  | 4175.5  | 4632.0  | 5149.1  | 5415.8  | 5787.2  |
| 42.5° | 5692.3  | 5669.4  | 5226.0  | 4931.4  | 4882.4  | 4910.2  | 5291.4  | 5929.5  | 6201.1  | 6577.4  |
| 45°   | 6530.0  | 6523.5  | 6117.7  | 5721.7  | 5633.4  | 5721.7  | 6114.4  | 6842.5  | 7037.2  | 7433.2  |
| 47.5° | 7231.9  | 7231.9  | 6935.8  | 6677.3  | 6631.4  | 6683.8  | 7228.6  | 7855.3  | 7837.3  | 8344.5  |
| 50°   | 8040.2  | 8033.6  | 7752.2  | 7641.0  | 7688.4  | 7762.0  | 8511.4  | 8922.1  | 8665.2  | 9239.5  |
| 52.5° | 8606.3  | 8645.6  | 8549.0  | 8531.0  | 8773.2  | 8900.8  | 9813.8  | 9966.0  | 9406.4  | 10088.7 |
| 55°   | 9054.6  | 9100.4  | 9211.7  | 9337.7  | 9804.0  | 9970.9  | 11075.3 | 10955.9 | 10026.5 | 10825.0 |
| 57.5° | 9689.5  | 9624.0  | 9795.8  | 10044.5 | 10798.8 | 11000.0 | 12297.5 | 11890.1 | 10525.6 | 11422.2 |
| 60°   | 10460.1 | 10469.9 | 10499.4 | 10813.5 | 11792.0 | 12050.5 | 13501.8 | 12773.7 | 10846.2 | 11788.7 |
| 62.5° | 11386.2 | 11400.9 | 11461.4 | 11944.1 | 13125.4 | 13369.2 | 14784.5 | 13496.9 | 10993.5 | 11685.6 |
| 65°   | 11322.4 | 11384.5 | 12060.3 | 13711.2 | 15152.7 | 15393.2 | 16281.6 | 14004.1 | 10771.0 | 10743.2 |
| 67.5° | 10314.5 | 10415.9 | 11546.5 | 15821.9 | 18209.1 | 18477.4 | 18091.3 | 14103.9 | 9810.5  | 8354.3  |
| 70°   | 8992.4  | 9028.4  | 10388.1 | 17719.8 | 21748.1 | 22019.7 | 19711.1 | 13006.0 | 7444.6  | 4659.8  |
| 72.5° | 7022.5  | 7030.7  | 8625.9  | 18160.0 | 23669.0 | 23683.7 | 18439.8 | 9655.1  | 4003.7  | 1790.0  |
| 75°   | 5016.5  | 4967.4  | 5777.4  | 14727.3 | 20823.7 | 20990.6 | 13824.1 | 4528.9  | 1529.8  | 845.9   |
| 77.5° | 2689.9  | 2743.9  | 3269.1  | 8733.9  | 14385.3 | 14670.0 | 7542.8  | 1305.7  | 778.8   | 575.9   |
| 80°   | 831.2   | 877.0   | 1340.0  | 3998.8  | 8148.2  | 8320.0  | 2796.2  | 580.8   | 543.2   | 410.7   |
| 82.5° | 261.8   | 271.6   | 625.0   | 1680.4  | 3382.0  | 3460.5  | 809.9   | 328.9   | 371.4   | 271.6   |
| 85°   | 75.3    | 76.9    | 278.2   | 626.7   | 836.1   | 852.5   | 227.4   | 127.6   | 212.7   | 168.5   |
| 87.5° | 8.2     | 26.2    | 104.7   | 104.7   | 73.6    | 72.0    | 24.5    | 27.8    | 60.5    | 21.3    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3236.4  | 0°    | 3236.4 | 3236.4 | 3236.4 | 3236.4 | 3236.4 | 3236.4 | 3236.4 | 3236.4 | 3236.4 | 3236.4 |
| 3251.1  | 2.5°  | 3242.9 | 3244.5 | 3223.3 | 3187.3 | 3148.0 | 3115.3 | 3074.4 | 3041.7 | 3018.8 | 3012.2 |
| 3280.5  | 5°    | 3265.8 | 3254.4 | 3193.8 | 3084.2 | 2953.3 | 2840.4 | 2714.4 | 2614.6 | 2549.2 | 2521.4 |
| 3311.6  | 7.5°  | 3300.2 | 3267.5 | 3134.9 | 2918.9 | 2668.6 | 2446.1 | 2220.3 | 2045.2 | 1934.0 | 1878.3 |
| 3341.1  | 10°   | 3329.6 | 3264.2 | 3036.8 | 2680.1 | 2297.2 | 1960.1 | 1655.8 | 1444.7 | 1326.9 | 1271.3 |
| 3375.4  | 12.5° | 3357.4 | 3262.5 | 2909.1 | 2397.0 | 1878.3 | 1466.0 | 1183.0 | 1078.2 | 1045.5 | 1034.1 |
| 3431.1  | 15°   | 3409.8 | 3267.5 | 2748.8 | 2073.0 | 1461.1 | 1107.7 | 1004.6 | 1003.0 | 1009.5 | 1006.3 |
| 3516.2  | 17.5° | 3481.8 | 3272.4 | 2567.2 | 1729.4 | 1127.3 | 976.8  | 971.9  | 986.6  | 996.4  | 991.5  |
| 3622.5  | 20°   | 3575.1 | 3292.0 | 2374.1 | 1389.1 | 968.6  | 944.1  | 955.5  | 968.6  | 976.8  | 968.6  |
| 3764.9  | 22.5° | 3705.9 | 3326.4 | 2163.0 | 1115.9 | 917.9  | 924.4  | 934.3  | 949.0  | 957.2  | 945.7  |
| 3946.5  | 25°   | 3866.3 | 3380.3 | 1955.2 | 970.3  | 893.4  | 901.5  | 916.3  | 932.6  | 942.4  | 931.0  |
| 4175.5  | 27.5° | 4074.1 | 3467.1 | 1763.8 | 937.5  | 868.8  | 873.7  | 895.0  | 919.5  | 932.6  | 917.9  |
| 4501.1  | 30°   | 4375.1 | 3609.4 | 1598.5 | 952.3  | 854.1  | 842.6  | 872.1  | 906.4  | 921.2  | 908.1  |
| 4944.5  | 32.5° | 4774.4 | 3810.7 | 1497.1 | 975.2  | 847.5  | 806.6  | 834.5  | 878.6  | 903.2  | 895.0  |
| 5523.7  | 35°   | 5298.0 | 4116.6 | 1457.8 | 1001.3 | 842.6  | 769.0  | 788.6  | 836.1  | 878.6  | 886.8  |
| 6253.5  | 37.5° | 5932.8 | 4542.0 | 1469.3 | 1012.8 | 827.9  | 737.9  | 747.7  | 788.6  | 844.3  | 870.4  |
| 7074.8  | 40°   | 6654.3 | 5037.8 | 1534.7 | 1001.3 | 811.5  | 711.7  | 713.4  | 744.5  | 793.5  | 832.8  |
| 7958.4  | 42.5° | 7398.8 | 5617.0 | 1655.8 | 958.8  | 796.8  | 688.8  | 683.9  | 705.2  | 737.9  | 765.7  |
| 8840.3  | 45°   | 8107.3 | 6212.6 | 1775.3 | 899.9  | 778.8  | 665.9  | 654.5  | 662.7  | 669.2  | 680.7  |
| 9699.3  | 47.5° | 8725.8 | 6631.4 | 1740.9 | 845.9  | 754.3  | 639.7  | 620.1  | 616.8  | 597.2  | 595.6  |
| 10466.6 | 50°   | 9152.8 | 6723.1 | 1546.2 | 791.9  | 718.3  | 610.3  | 579.2  | 559.6  | 525.2  | 508.9  |
| 11040.9 | 52.5° | 9288.6 | 6361.5 | 1263.1 | 737.9  | 659.4  | 571.0  | 526.9  | 495.8  | 453.2  | 438.5  |
| 11371.5 | 55°   | 9108.6 | 5653.0 | 1009.5 | 672.5  | 577.6  | 518.7  | 469.6  | 428.7  | 394.3  | 376.3  |
| 11407.5 | 57.5° | 8668.5 | 4751.5 | 798.5  | 595.6  | 490.9  | 459.8  | 410.7  | 369.8  | 340.3  | 322.3  |
| 11008.2 | 60°   | 7938.7 | 3773.0 | 631.6  | 503.9  | 418.9  | 396.0  | 345.2  | 319.1  | 292.9  | 271.6  |
| 9977.4  | 62.5° | 6831.1 | 2693.2 | 495.8  | 399.2  | 350.1  | 324.0  | 294.5  | 274.9  | 243.8  | 214.3  |
| 8123.6  | 65°   | 5330.7 | 1647.6 | 382.9  | 292.9  | 281.4  | 268.3  | 250.3  | 232.3  | 194.7  | 165.3  |
| 5299.6  | 67.5° | 3362.4 | 780.5  | 273.2  | 220.9  | 222.5  | 216.0  | 207.8  | 193.1  | 165.3  | 139.1  |
| 2374.1  | 70°   | 1480.7 | 378.0  | 180.0  | 168.5  | 165.3  | 165.3  | 171.8  | 166.9  | 140.7  | 116.2  |
| 824.6   | 72.5° | 503.9  | 202.9  | 134.2  | 127.6  | 119.4  | 117.8  | 144.0  | 139.1  | 112.9  | 90.0   |
| 410.7   | 75°   | 263.4  | 135.8  | 98.2   | 91.6   | 72.0   | 86.7   | 114.5  | 108.0  | 80.2   | 58.9   |
| 271.6   | 77.5° | 171.8  | 96.5   | 67.1   | 58.9   | 40.9   | 57.3   | 85.1   | 75.3   | 47.4   | 29.5   |
| 178.3   | 80°   | 108.0  | 63.8   | 39.3   | 27.8   | 19.6   | 31.1   | 45.8   | 32.7   | 18.0   | 6.5    |
| 104.7   | 82.5° | 57.3   | 32.7   | 14.7   | 9.8    | 8.2    | 9.8    | 11.5   | 8.2    | 3.3    | 0.0    |
| 54.0    | 85°   | 22.9   | 11.5   | 4.9    | 3.3    | 1.6    | 0.0    | 3.3    | 1.6    | 0.0    | 0.0    |
| 9.8     | 87.5° | 8.2    | 1.6    | 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    |

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| 180°   |
|--------|
| 3236.4 |
| 3023.7 |
| 2531.2 |
| 1886.5 |
| 1272.9 |
| 1030.8 |
| 1004.6 |
| 989.9  |
| 967.0  |
| 944.1  |
| 929.4  |
| 917.9  |
| 906.4  |
| 895.0  |
| 886.8  |
| 877.0  |
| 845.9  |
| 777.2  |
| 687.2  |
| 593.9  |
| 510.5  |
| 436.9  |
| 376.3  |
| 319.1  |
| 266.7  |
| 209.4  |
| 160.3  |
| 135.8  |
| 111.3  |
| 85.1   |
| 54.0   |
| 26.2   |
| 4.9    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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