

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: P848243

Luminaire Tested: **GLAN-SB4D-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848243  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31613 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

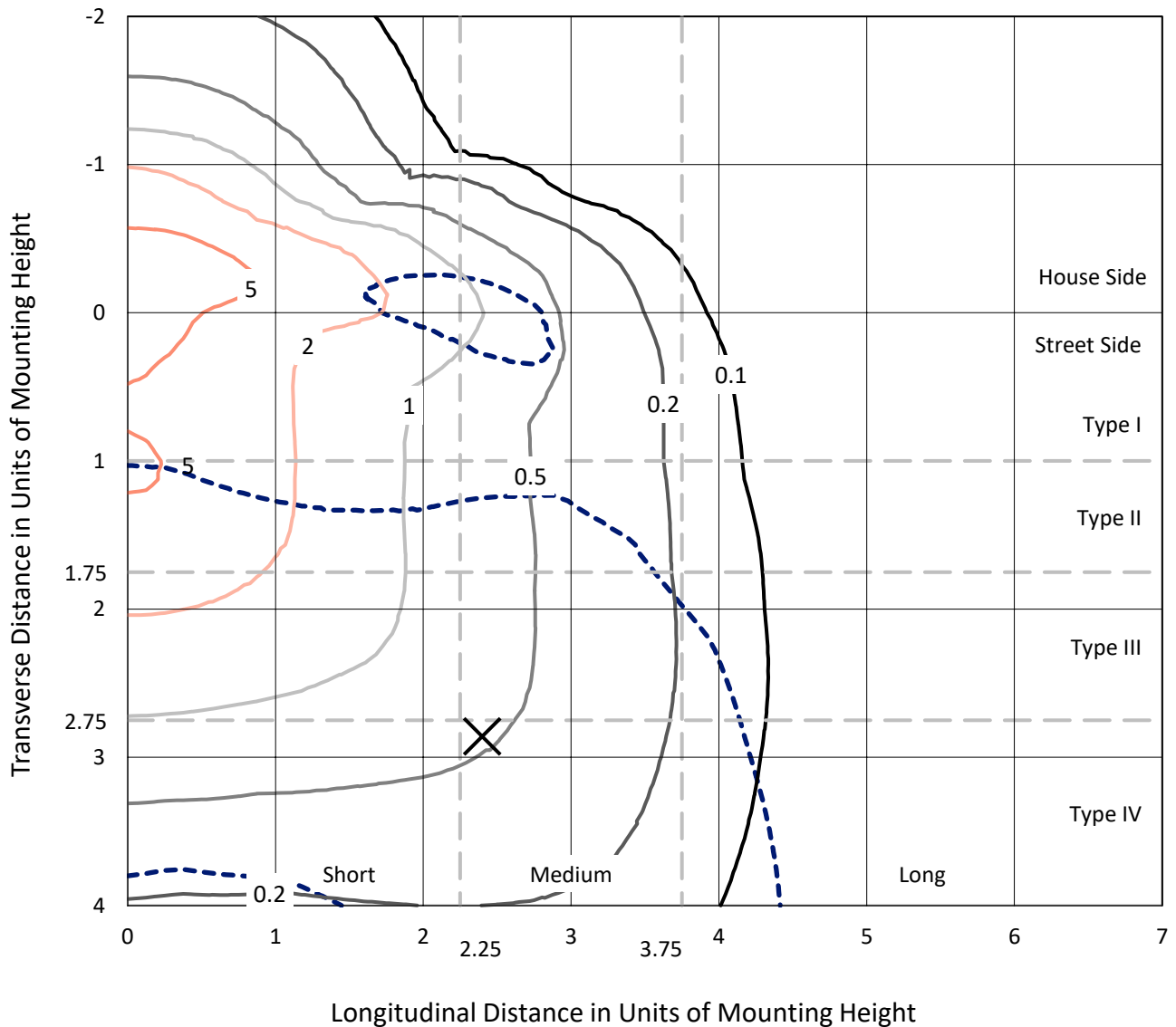
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

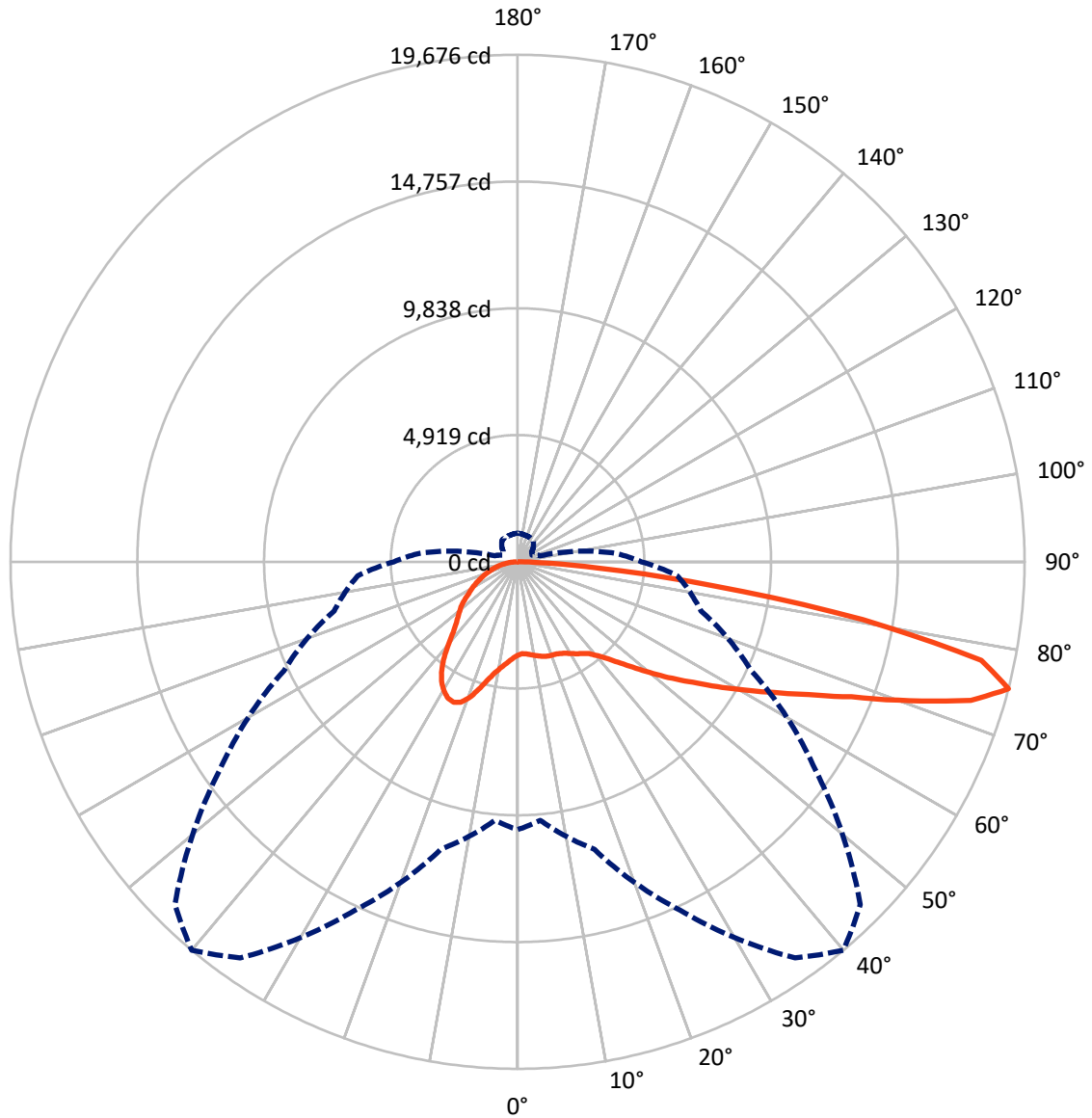
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9794.8   | 0.0    | 9794.8  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 21818.2  | 0.0    | 21818.2 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 31613.0  | 0.0    | 31613.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 360.8   | 1.1       |
| 10°-20°   | 1211.5  | 3.8       |
| 20°-30°   | 2212.1  | 7.0       |
| 30°-40°   | 3137.4  | 9.9       |
| 40°-50°   | 4236.5  | 13.4      |
| 50°-60°   | 5699.2  | 18.0      |
| 60°-70°   | 7233.6  | 22.9      |
| 70°-80°   | 6564.9  | 20.8      |
| 80°-90°   | 957.0   | 3.0       |
| 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°    | 31613.0 | 100.0     |
| 0°-180°   | 31613.0 | 100.0     |

**Coefficient of Utilization**

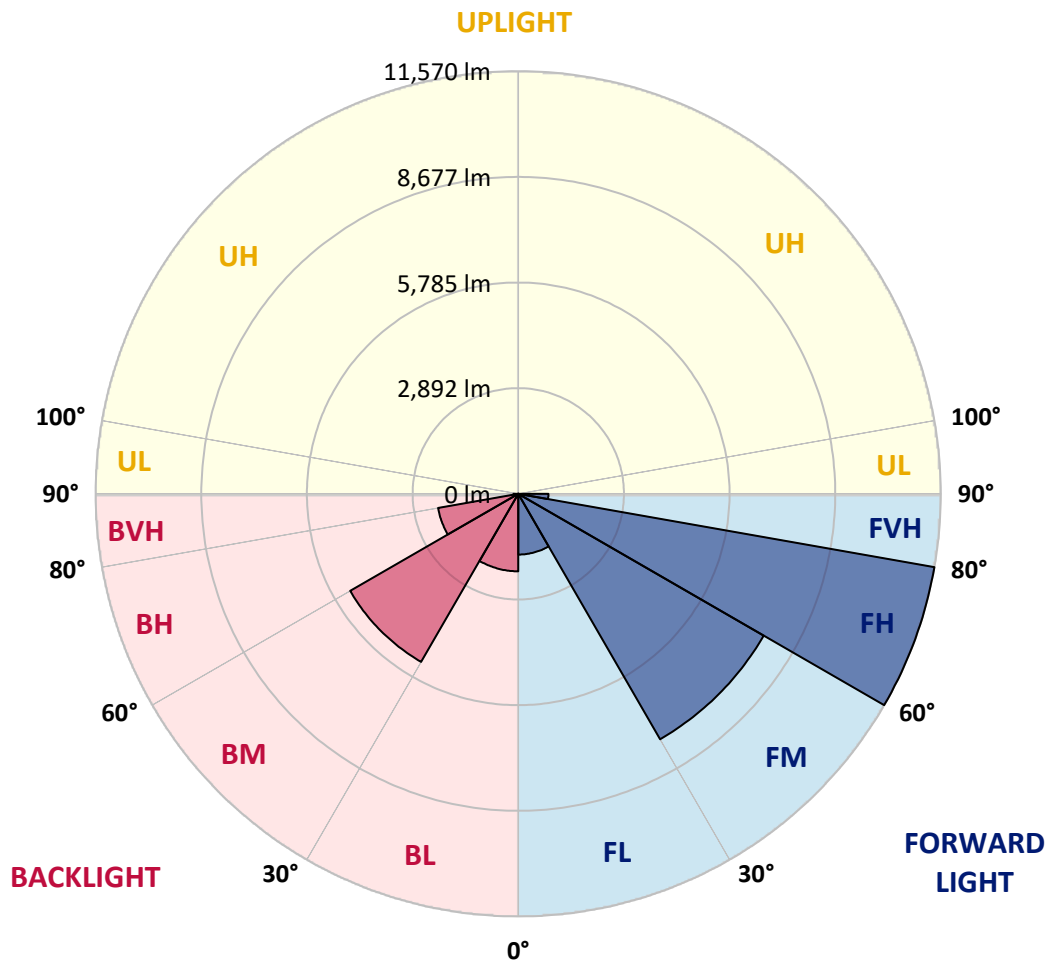


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|---------|-----------|-------------------------|------|----------|
|                |         |           | B                       | U    | G        |
| FL (0°-30°)    | 1662.9  | 5.3       |                         |      |          |
| FM (30°-60°)   | 7760.3  | 24.5      |                         |      |          |
| FH (60°-80°)   | 11569.9 | 36.6      |                         |      | G4/12000 |
| FVH (80°-90°)  | 825.2   | 2.6       |                         |      | G5       |
| BL (0°-30°)    | 2121.6  | 6.7       | B3/2500                 |      |          |
| BM (30°-60°)   | 5312.8  | 16.8      | B4/8500                 |      |          |
| BH (60°-80°)   | 2228.6  | 7.0       | B3/2500                 |      | G3/2500  |
| BVH (80°-90°)  | 131.8   | 0.4       |                         |      | G2/225   |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°     | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0°    | 3615.0  | 3615.0  | 3615.0  | 3615.0  | 3615.0  | 3615.0  | 3615.0  | 3615.0  | 3615.0  | 3615.0 |
| 2.5°  | 3559.7  | 3579.8  | 3574.7  | 3568.0  | 3568.0  | 3569.7  | 3568.0  | 3579.8  | 3591.5  | 3603.3 |
| 5°    | 3596.5  | 3616.7  | 3606.6  | 3598.2  | 3591.5  | 3589.8  | 3584.8  | 3583.1  | 3589.8  | 3604.9 |
| 7.5°  | 3668.6  | 3688.8  | 3673.7  | 3658.6  | 3645.2  | 3638.5  | 3631.8  | 3621.7  | 3616.7  | 3625.0 |
| 10°   | 3749.1  | 3769.2  | 3750.8  | 3724.0  | 3702.2  | 3693.8  | 3687.1  | 3677.0  | 3670.3  | 3675.4 |
| 12.5° | 3829.6  | 3849.7  | 3824.6  | 3787.7  | 3759.2  | 3754.2  | 3745.8  | 3742.4  | 3740.7  | 3739.1 |
| 15°   | 3905.1  | 3921.8  | 3890.0  | 3846.4  | 3816.2  | 3807.8  | 3799.4  | 3804.5  | 3812.8  | 3822.9 |
| 17.5° | 3963.7  | 3980.5  | 3933.6  | 3876.6  | 3848.1  | 3844.7  | 3839.7  | 3856.4  | 3879.9  | 3905.1 |
| 20°   | 4017.4  | 4034.2  | 3973.8  | 3896.7  | 3863.1  | 3863.1  | 3864.8  | 3900.0  | 3933.6  | 3970.5 |
| 22.5° | 4092.9  | 4106.3  | 4032.5  | 3926.9  | 3878.2  | 3881.6  | 3895.0  | 3930.2  | 3972.1  | 4022.4 |
| 25°   | 4205.2  | 4215.3  | 4124.7  | 3983.9  | 3928.5  | 3938.6  | 3950.3  | 3967.1  | 4007.3  | 4066.0 |
| 27.5° | 4386.3  | 4394.7  | 4275.6  | 4084.5  | 4000.6  | 4017.4  | 4034.2  | 4022.4  | 4040.9  | 4091.2 |
| 30°   | 4641.1  | 4646.2  | 4495.3  | 4242.1  | 4123.0  | 4131.4  | 4134.8  | 4086.1  | 4050.9  | 4091.2 |
| 32.5° | 4942.9  | 4941.3  | 4761.9  | 4433.2  | 4262.2  | 4253.8  | 4225.3  | 4129.7  | 4047.6  | 4082.8 |
| 35°   | 5410.7  | 5392.3  | 5160.9  | 4701.5  | 4419.8  | 4367.8  | 4300.8  | 4178.4  | 4064.3  | 4074.4 |
| 37.5° | 6185.4  | 6128.4  | 5808.1  | 5140.8  | 4654.5  | 4522.1  | 4423.2  | 4257.2  | 4101.2  | 4071.1 |
| 40°   | 7059.0  | 6986.9  | 6634.7  | 5742.7  | 5006.7  | 4793.7  | 4634.4  | 4369.5  | 4161.6  | 4086.1 |
| 42.5° | 8095.2  | 7992.9  | 7613.9  | 6452.0  | 5452.7  | 5144.1  | 4904.4  | 4512.0  | 4250.5  | 4134.8 |
| 45°   | 9367.8  | 9232.0  | 8695.4  | 7251.8  | 6014.4  | 5603.6  | 5283.3  | 4728.3  | 4386.3  | 4228.7 |
| 47.5° | 10653.8 | 10687.4 | 9924.5  | 8167.3  | 6688.4  | 6170.3  | 5757.8  | 5053.6  | 4584.1  | 4379.6 |
| 50°   | 12020.3 | 12043.8 | 11146.8 | 9181.7  | 7453.0  | 6810.8  | 6291.0  | 5417.5  | 4859.1  | 4594.2 |
| 52.5° | 13086.7 | 13090.1 | 12256.8 | 10243.0 | 8249.4  | 7515.0  | 6866.1  | 5833.3  | 5177.7  | 4879.2 |
| 55°   | 13754.1 | 13745.7 | 13034.8 | 11247.4 | 9164.9  | 8254.4  | 7503.3  | 6306.1  | 5566.7  | 5214.6 |
| 57.5° | 14238.6 | 14213.5 | 13571.3 | 12110.9 | 10140.7 | 9128.0  | 8224.3  | 6842.7  | 6026.1  | 5613.6 |
| 60°   | 14423.1 | 14408.0 | 13935.1 | 12857.0 | 11166.9 | 10093.8 | 9055.9  | 7442.9  | 6547.6  | 6084.8 |
| 62.5° | 14493.5 | 14522.0 | 14292.3 | 13579.7 | 12265.1 | 11163.5 | 9969.7  | 8160.6  | 7134.4  | 6618.0 |
| 65°   | 14741.6 | 14793.6 | 14746.7 | 14525.3 | 13505.9 | 12416.0 | 11182.0 | 9014.0  | 7774.9  | 7189.7 |
| 67.5° | 15232.9 | 15284.9 | 15305.0 | 15657.1 | 15021.7 | 13977.1 | 12694.4 | 10077.0 | 8524.4  | 7783.3 |
| 70°   | 15221.2 | 15206.1 | 15561.6 | 16557.5 | 16919.7 | 16138.3 | 14733.3 | 11384.9 | 9418.1  | 8276.2 |
| 72.5° | 13854.7 | 13733.9 | 14574.0 | 16547.5 | 18499.2 | 18395.2 | 17223.2 | 13071.6 | 10189.4 | 8336.6 |
| 75°   | 10393.9 | 10072.0 | 11555.9 | 14912.7 | 18762.4 | 19676.2 | 18806.0 | 14117.9 | 10006.6 | 7365.8 |
| 77.5° | 4445.0  | 4121.4  | 5870.2  | 11039.5 | 16792.3 | 18393.5 | 17354.0 | 12317.1 | 7987.9  | 4870.8 |
| 80°   | 1163.6  | 1162.0  | 1774.0  | 5005.0  | 11420.1 | 13583.0 | 11916.4 | 7954.3  | 4564.0  | 1740.4 |
| 82.5° | 481.2   | 469.5   | 652.2   | 1946.7  | 5580.1  | 7622.3  | 6220.6  | 3547.9  | 1648.2  | 471.2  |
| 85°   | 179.4   | 177.7   | 316.9   | 672.4   | 1968.5  | 3143.8  | 2275.3  | 907.1   | 410.8   | 229.7  |
| 87.5° | 50.3    | 48.6    | 68.7    | 233.1   | 479.5   | 727.7   | 389.0   | 149.2   | 115.7   | 90.5   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3615.0  | 0°    | 3615.0  | 3615.0  | 3615.0 | 3615.0 | 3615.0 | 3615.0 | 3615.0 | 3615.0 | 3615.0 | 3615.0 |
| 3621.7  | 2.5°  | 3626.7  | 3635.1  | 3650.2 | 3661.9 | 3677.0 | 3693.8 | 3717.3 | 3732.4 | 3747.4 | 3757.5 |
| 3630.1  | 5°    | 3641.8  | 3660.3  | 3698.8 | 3737.4 | 3782.7 | 3824.6 | 3873.2 | 3908.4 | 3936.9 | 3945.3 |
| 3660.3  | 7.5°  | 3675.4  | 3705.5  | 3770.9 | 3836.3 | 3908.4 | 3977.2 | 4047.6 | 4107.9 | 4156.6 | 4175.0 |
| 3713.9  | 10°   | 3734.0  | 3774.3  | 3866.5 | 3958.7 | 4054.3 | 4159.9 | 4250.5 | 4337.7 | 4406.4 | 4434.9 |
| 3777.6  | 12.5° | 3807.8  | 3858.1  | 3978.8 | 4106.3 | 4238.7 | 4384.6 | 4502.0 | 4609.3 | 4694.8 | 4733.4 |
| 3866.5  | 15°   | 3903.4  | 3968.8  | 4123.0 | 4294.1 | 4488.6 | 4691.4 | 4840.7 | 4959.7 | 5055.3 | 5102.2 |
| 3958.7  | 17.5° | 4007.3  | 4094.5  | 4289.0 | 4547.2 | 4825.6 | 5092.2 | 5266.5 | 5353.7 | 5452.7 | 5497.9 |
| 4044.2  | 20°   | 4107.9  | 4215.3  | 4493.6 | 4869.2 | 5239.7 | 5523.1 | 5663.9 | 5687.4 | 5694.1 | 5699.1 |
| 4124.7  | 22.5° | 4211.9  | 4356.1  | 4750.1 | 5274.9 | 5672.3 | 5868.5 | 5888.6 | 5788.0 | 5647.2 | 5581.8 |
| 4203.5  | 25°   | 4325.9  | 4517.1  | 5085.5 | 5722.6 | 6044.5 | 6068.0 | 5913.8 | 5669.0 | 5402.4 | 5280.0 |
| 4267.2  | 27.5° | 4436.6  | 4703.2  | 5487.9 | 6150.2 | 6312.8 | 6106.6 | 5774.6 | 5427.5 | 5105.6 | 4976.5 |
| 4312.5  | 30°   | 4547.2  | 4916.1  | 5932.2 | 6524.1 | 6435.2 | 6011.0 | 5554.9 | 5167.6 | 4844.0 | 4708.2 |
| 4352.7  | 32.5° | 4659.6  | 5164.3  | 6443.6 | 6794.0 | 6413.4 | 5808.1 | 5281.6 | 4875.9 | 4590.8 | 4448.3 |
| 4388.0  | 35°   | 4787.0  | 5469.4  | 6928.2 | 6941.6 | 6267.5 | 5509.7 | 4921.1 | 4527.1 | 4279.0 | 4164.9 |
| 4429.9  | 37.5° | 4953.0  | 5856.8  | 7355.7 | 6978.5 | 6012.7 | 5072.1 | 4473.5 | 4114.6 | 3910.1 | 3858.1 |
| 4491.9  | 40°   | 5159.2  | 6322.9  | 7682.7 | 6919.8 | 5635.4 | 4540.5 | 3983.9 | 3697.1 | 3581.5 | 3593.2 |
| 4575.7  | 42.5° | 5427.5  | 6844.3  | 7912.4 | 6768.9 | 5110.6 | 3992.2 | 3554.6 | 3427.2 | 3482.5 | 3529.5 |
| 4701.5  | 45°   | 5776.3  | 7385.9  | 8054.9 | 6512.3 | 4517.1 | 3527.8 | 3301.4 | 3331.6 | 3373.5 | 3378.6 |
| 4904.4  | 47.5° | 6222.3  | 7934.2  | 8148.8 | 6125.0 | 3911.8 | 3200.8 | 3140.5 | 3147.2 | 3138.8 | 3103.6 |
| 5207.9  | 50°   | 6778.9  | 8467.4  | 8232.7 | 5612.0 | 3397.0 | 2996.3 | 2915.8 | 2892.3 | 2776.6 | 2662.6 |
| 5612.0  | 52.5° | 7412.7  | 8957.0  | 8267.9 | 4974.8 | 2996.3 | 2825.3 | 2694.5 | 2546.9 | 2330.6 | 2295.4 |
| 6120.0  | 55°   | 8117.0  | 9409.7  | 8177.3 | 4191.8 | 2659.3 | 2605.6 | 2407.8 | 2230.0 | 2206.6 | 2176.4 |
| 6789.0  | 57.5° | 8958.7  | 9897.6  | 7992.9 | 3318.2 | 2313.9 | 2349.1 | 2156.3 | 2176.4 | 2134.5 | 2087.5 |
| 7649.2  | 60°   | 9879.2  | 10402.3 | 7669.3 | 2521.8 | 1956.7 | 2028.8 | 2090.9 | 2089.2 | 2077.4 | 2038.9 |
| 8556.3  | 62.5° | 10707.5 | 10734.3 | 7032.1 | 1931.6 | 1643.2 | 1780.7 | 1950.0 | 1948.3 | 1938.3 | 1916.5 |
| 9503.6  | 65°   | 11200.4 | 10684.0 | 5969.1 | 1520.8 | 1385.0 | 1576.1 | 1758.9 | 1772.3 | 1774.0 | 1772.3 |
| 10216.2 | 67.5° | 11113.2 | 10095.5 | 4510.4 | 1210.6 | 1172.0 | 1368.2 | 1569.4 | 1587.8 | 1601.3 | 1604.6 |
| 10306.7 | 70°   | 10127.3 | 8802.7  | 2941.0 | 965.8  | 982.6  | 1185.4 | 1390.0 | 1408.4 | 1420.2 | 1433.6 |
| 8943.6  | 72.5° | 7894.0  | 6472.1  | 1683.4 | 781.3  | 816.6  | 1027.8 | 1212.3 | 1234.1 | 1240.8 | 1265.9 |
| 6224.0  | 75°   | 4810.5  | 3806.1  | 908.8  | 615.4  | 670.7  | 878.6  | 1036.2 | 1061.4 | 1073.1 | 1103.3 |
| 3056.6  | 77.5° | 2287.0  | 1648.2  | 518.1  | 479.5  | 539.9  | 717.6  | 875.2  | 903.7  | 871.9  | 888.7  |
| 843.4   | 80°   | 773.0   | 612.0   | 327.0  | 365.5  | 412.5  | 560.0  | 700.9  | 729.4  | 662.3  | 658.9  |
| 280.0   | 82.5° | 270.0   | 248.2   | 207.9  | 243.1  | 266.6  | 400.7  | 529.8  | 566.7  | 493.0  | 491.3  |
| 125.8   | 85°   | 105.6   | 100.6   | 115.7  | 132.5  | 159.3  | 246.5  | 348.8  | 367.2  | 303.5  | 244.8  |
| 36.9    | 87.5° | 21.8    | 23.5    | 28.5   | 30.2   | 48.6   | 85.5   | 125.8  | 154.3  | 122.4  | 104.0  |
| 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°   |
|--------|
| 3615.0 |
| 3750.8 |
| 3948.7 |
| 4176.7 |
| 4436.6 |
| 4733.4 |
| 5098.9 |
| 5496.3 |
| 5712.6 |
| 5600.2 |
| 5298.4 |
| 4991.6 |
| 4723.3 |
| 4466.8 |
| 4190.1 |
| 3895.0 |
| 3633.4 |
| 3573.1 |
| 3412.1 |
| 3130.4 |
| 2677.7 |
| 2307.2 |
| 2181.4 |
| 2079.1 |
| 2025.5 |
| 1908.1 |
| 1772.3 |
| 1608.0 |
| 1440.3 |
| 1276.0 |
| 1106.6 |
| 875.2  |
| 652.2  |
| 467.8  |
| 241.4  |
| 95.6   |
| 0.0    |

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