

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: P952701

Luminaire Tested: **GLAN-SB6C-722-U-T3R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952701  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-722-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 31234 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
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

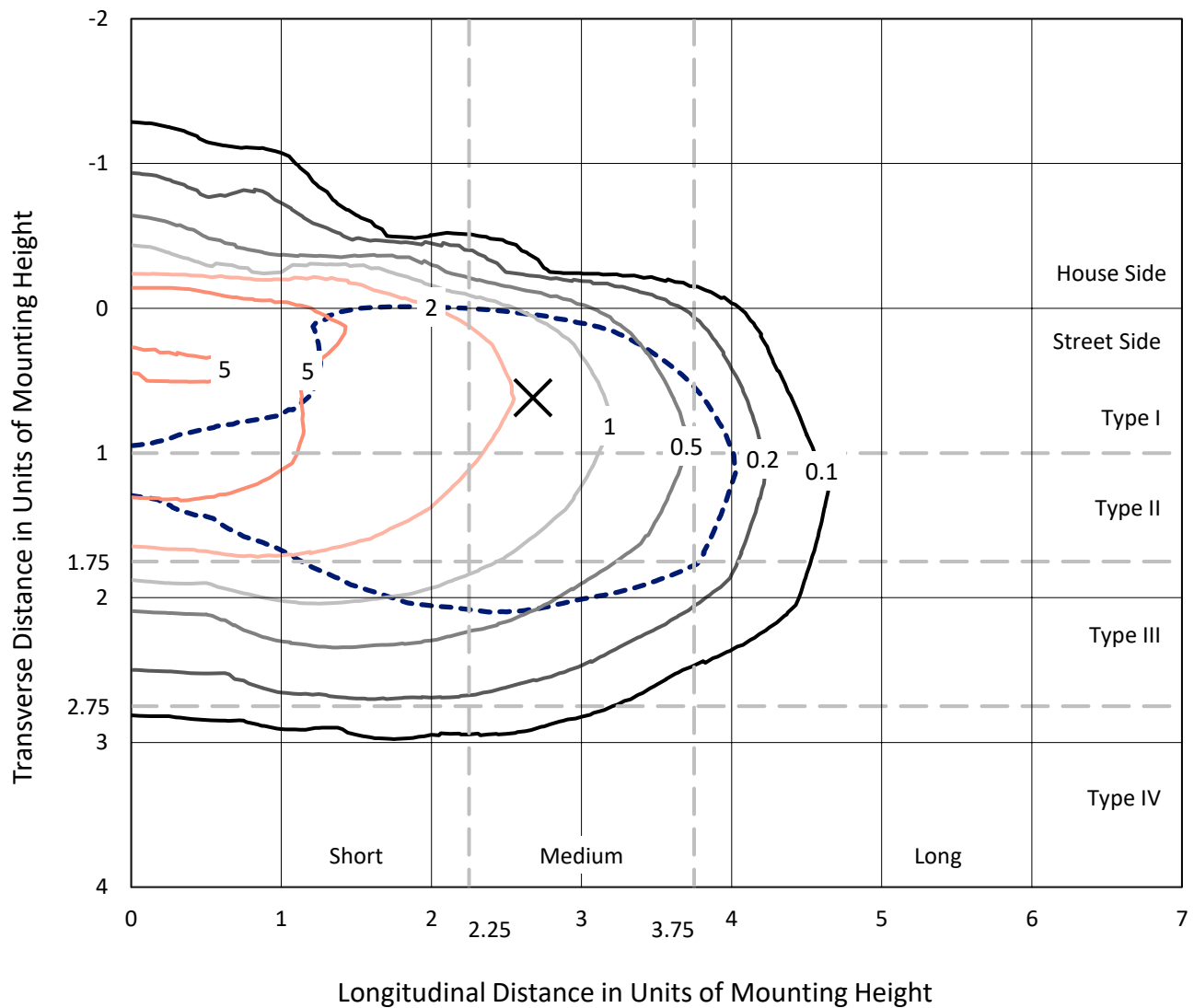


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## Iso-Footcandle Lines of Horizontal Illumination

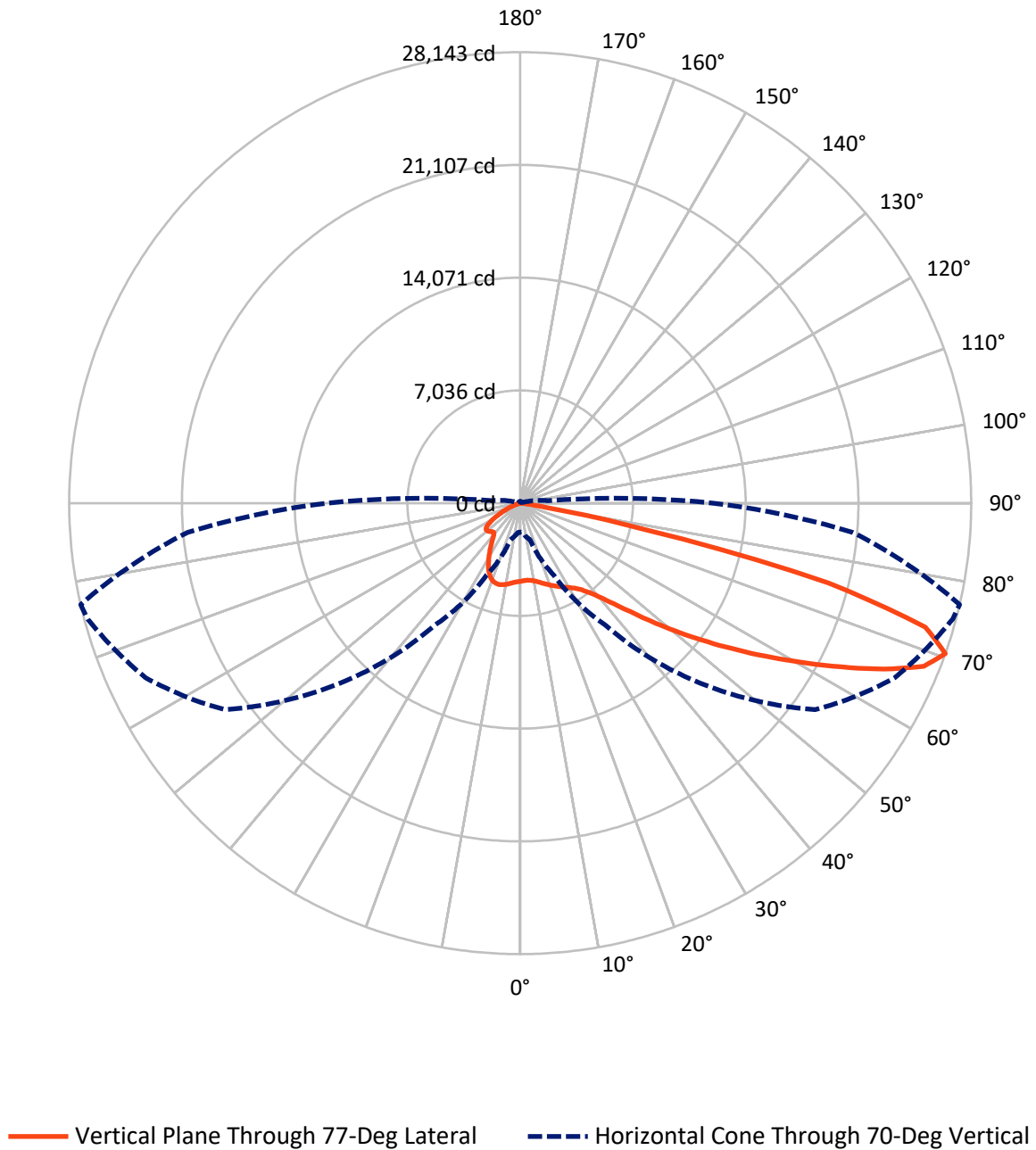
× Max cd  
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
Type III - 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    | 3292.5   | 0.0    | 3292.5  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 27941.5  | 0.0    | 27941.5 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 31234.0  | 0.0    | 31234.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 419.9   | 1.3       |
| 10°-20°   | 996.8   | 3.2       |
| 20°-30°   | 1541.7  | 4.9       |
| 30°-40°   | 2797.5  | 9.0       |
| 40°-50°   | 5280.6  | 16.9      |
| 50°-60°   | 7630.1  | 24.4      |
| 60°-70°   | 8122.0  | 26.0      |
| 70°-80°   | 4304.1  | 13.8      |
| 80°-90°   | 141.3   | 0.5       |
| 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°    | 31234.0 | 100.0     |
| 0°-180°   | 31234.0 | 100.0     |

**Coefficient of Utilization**



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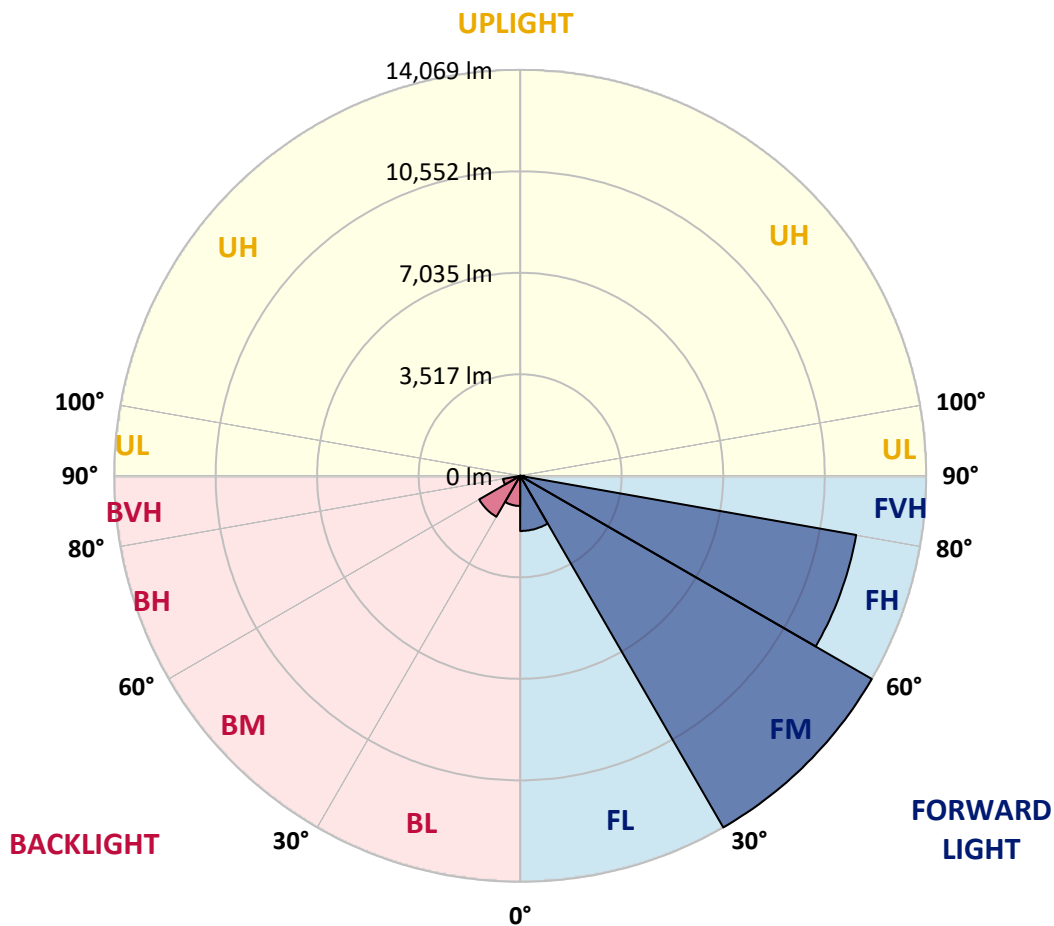
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1912.3  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 14069.2 | 45.0      |                         |      |          |
| FH   | (60°-80°)   | 11822.5 | 37.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 137.5   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1046.1  | 3.3       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 1639.0  | 5.2       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 603.6   | 1.9       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 3.8     | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4871.9  | 4871.9  | 4871.9  | 4871.9  | 4871.9  | 4871.9  | 4871.9  | 4871.9  | 4871.9  | 4871.9  |
| 2.5°  | 4574.1  | 4615.5  | 4609.6  | 4637.2  | 4647.1  | 4686.5  | 4726.0  | 4779.2  | 4838.4  | 4836.4  |
| 5°    | 4315.7  | 4357.1  | 4367.0  | 4404.5  | 4451.8  | 4513.0  | 4593.8  | 4700.3  | 4810.8  | 4828.5  |
| 7.5°  | 4010.0  | 4053.4  | 4079.0  | 4154.0  | 4240.8  | 4367.0  | 4499.1  | 4655.0  | 4838.4  | 4864.1  |
| 10°   | 3704.3  | 3743.7  | 3777.2  | 3883.7  | 4021.8  | 4209.2  | 4424.2  | 4649.1  | 4895.6  | 4933.1  |
| 12.5° | 3514.9  | 3552.4  | 3589.9  | 3682.6  | 3854.2  | 4083.0  | 4374.9  | 4676.7  | 4990.3  | 5043.5  |
| 15°   | 3447.8  | 3481.4  | 3511.0  | 3593.8  | 3753.6  | 4013.9  | 4365.0  | 4733.9  | 5110.6  | 5181.6  |
| 17.5° | 3457.7  | 3475.4  | 3495.2  | 3558.3  | 3714.1  | 3982.4  | 4382.8  | 4832.5  | 5252.6  | 5315.7  |
| 20°   | 3514.9  | 3524.8  | 3526.7  | 3570.1  | 3708.2  | 3978.4  | 4418.3  | 4927.2  | 5386.7  | 5471.6  |
| 22.5° | 3587.9  | 3591.8  | 3587.9  | 3617.5  | 3745.7  | 4008.0  | 4465.6  | 5041.6  | 5536.7  | 5615.6  |
| 25°   | 3929.1  | 3854.2  | 3759.5  | 3702.3  | 3808.8  | 4065.2  | 4536.6  | 5195.4  | 5700.4  | 5777.3  |
| 27.5° | 4988.3  | 4773.3  | 4434.1  | 4053.4  | 3939.0  | 4148.1  | 4635.2  | 5351.2  | 5866.1  | 5935.1  |
| 30°   | 6708.3  | 6426.2  | 5850.3  | 4992.3  | 4357.1  | 4321.6  | 4763.5  | 5507.1  | 6041.6  | 6116.6  |
| 32.5° | 8432.2  | 8363.2  | 7698.5  | 6511.0  | 5298.0  | 4708.2  | 4976.5  | 5718.1  | 6274.3  | 6333.5  |
| 35°   | 10175.8 | 10035.8 | 9491.4  | 8317.8  | 6747.7  | 5495.2  | 5331.5  | 5994.3  | 6580.1  | 6647.1  |
| 37.5° | 11511.2 | 11426.4 | 11089.1 | 10122.6 | 8467.7  | 6710.3  | 5939.0  | 6422.3  | 7023.9  | 7098.8  |
| 40°   | 12690.7 | 12651.3 | 12536.9 | 11899.8 | 10390.8 | 8300.0  | 6883.8  | 7085.0  | 7639.3  | 7728.0  |
| 42.5° | 13617.8 | 13710.5 | 13775.6 | 13598.0 | 12373.1 | 10114.7 | 8154.1  | 8016.0  | 8497.3  | 8588.0  |
| 45°   | 14566.5 | 14598.1 | 14860.4 | 15116.8 | 14341.6 | 12012.2 | 9586.1  | 9106.8  | 9564.4  | 9676.8  |
| 47.5° | 15176.0 | 15302.2 | 15763.8 | 16215.5 | 15996.5 | 13893.9 | 11124.6 | 10394.8 | 10801.1 | 11012.2 |
| 50°   | 15221.4 | 15460.0 | 16095.2 | 16882.2 | 17201.7 | 15684.9 | 12797.2 | 11862.3 | 12294.3 | 12527.0 |
| 52.5° | 14465.9 | 14836.7 | 15821.0 | 16972.9 | 17852.6 | 17201.7 | 14527.1 | 13329.8 | 13884.0 | 14187.8 |
| 55°   | 11091.1 | 11576.3 | 14789.4 | 16479.8 | 17878.2 | 18351.6 | 16211.5 | 14858.4 | 15655.3 | 15998.5 |
| 57.5° | 9663.0  | 9907.6  | 11627.6 | 15623.7 | 17402.9 | 18815.2 | 17734.3 | 16314.1 | 17582.4 | 18008.4 |
| 60°   | 8039.7  | 8361.2  | 9751.8  | 14223.3 | 16757.9 | 18860.5 | 19079.5 | 18191.9 | 19671.2 | 20150.5 |
| 62.5° | 5463.7  | 5812.8  | 7195.5  | 11816.9 | 15876.2 | 18838.8 | 20182.1 | 20124.9 | 21992.8 | 22507.6 |
| 65°   | 3384.7  | 3603.7  | 4514.9  | 9649.2  | 14643.4 | 18862.5 | 21335.9 | 22472.1 | 24442.5 | 24965.2 |
| 67.5° | 2674.6  | 2775.2  | 3250.6  | 7408.5  | 12519.1 | 18329.9 | 22487.8 | 24679.2 | 26748.3 | 27162.5 |
| 70°   | 1796.9  | 1858.0  | 2365.0  | 4966.6  | 9313.9  | 15872.3 | 22466.2 | 25787.7 | 27935.7 | 28142.8 |
| 72.5° | 946.8   | 994.1   | 1382.7  | 2299.9  | 5625.4  | 11282.4 | 18937.4 | 24462.3 | 26754.2 | 26442.6 |
| 75°   | 473.4   | 552.3   | 931.0   | 1167.7  | 2402.4  | 6292.1  | 11759.7 | 19286.6 | 21057.8 | 19850.7 |
| 77.5° | 359.0   | 433.9   | 769.3   | 769.3   | 836.3   | 2118.4  | 4980.4  | 10519.1 | 9702.5  | 8079.1  |
| 80°   | 228.8   | 295.9   | 672.6   | 581.9   | 349.1   | 538.5   | 1297.9  | 2946.8  | 2061.2  | 1568.1  |
| 82.5° | 134.1   | 193.3   | 560.2   | 384.6   | 195.3   | 199.2   | 366.9   | 627.2   | 534.5   | 416.2   |
| 85°   | 53.3    | 126.2   | 384.6   | 151.9   | 76.9    | 49.3    | 110.5   | 134.1   | 110.5   | 82.8    |
| 87.5° | 0.0     | 29.6    | 67.1    | 0.0     | 5.9     | 3.9     | 7.9     | 9.9     | 9.9     | 7.9     |
| 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):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4871.9  | 0°    | 4871.9  | 4871.9 | 4871.9 | 4871.9 | 4871.9 | 4871.9 | 4871.9 | 4871.9 | 4871.9 | 4871.9 |
| 4875.9  | 2.5°  | 4893.6  | 4897.6 | 4909.4 | 4911.4 | 4883.8 | 4848.3 | 4834.5 | 4828.5 | 4804.9 | 4802.9 |
| 4907.4  | 5°    | 4952.8  | 4970.6 | 4952.8 | 4901.5 | 4779.2 | 4607.6 | 4477.5 | 4370.9 | 4274.3 | 4244.7 |
| 5015.9  | 7.5°  | 5071.2  | 5088.9 | 5035.7 | 4834.5 | 4526.8 | 4185.5 | 3877.8 | 3660.9 | 3465.6 | 3392.6 |
| 5148.1  | 10°   | 5240.8  | 5264.5 | 5096.8 | 4690.5 | 4146.1 | 3597.7 | 3077.0 | 2710.1 | 2424.1 | 2307.8 |
| 5327.6  | 12.5° | 5453.8  | 5463.7 | 5130.3 | 4471.5 | 3651.0 | 2867.9 | 2130.2 | 1737.7 | 1483.3 | 1388.6 |
| 5544.5  | 15°   | 5688.5  | 5674.7 | 5134.3 | 4173.7 | 2976.4 | 2027.7 | 1390.6 | 1142.0 | 1039.5 | 1007.9 |
| 5761.5  | 17.5° | 5935.1  | 5877.9 | 5055.4 | 3743.7 | 2236.8 | 1386.6 | 1031.6 | 972.4  | 954.7  | 946.8  |
| 5976.5  | 20°   | 6177.7  | 6049.5 | 4911.4 | 3181.6 | 1605.6 | 1035.5 | 936.9  | 919.2  | 909.3  | 905.4  |
| 6193.5  | 22.5° | 6398.6  | 6179.7 | 4664.8 | 2528.7 | 1165.7 | 915.2  | 885.6  | 869.8  | 852.1  | 844.2  |
| 6404.5  | 25°   | 6613.6  | 6254.6 | 4317.7 | 1919.2 | 933.0  | 856.0  | 832.4  | 802.8  | 779.1  | 769.3  |
| 6631.4  | 27.5° | 6822.7  | 6302.0 | 3883.7 | 1420.2 | 832.4  | 800.8  | 757.4  | 716.0  | 698.2  | 694.3  |
| 6874.0  | 30°   | 7045.6  | 6317.7 | 3390.6 | 1059.2 | 771.2  | 731.8  | 668.7  | 621.3  | 611.5  | 613.4  |
| 7201.4  | 32.5° | 7317.8  | 6341.4 | 2893.6 | 867.9  | 719.9  | 648.9  | 574.0  | 524.7  | 516.8  | 524.7  |
| 7678.7  | 35°   | 7643.2  | 6388.8 | 2414.3 | 798.8  | 674.6  | 564.1  | 483.2  | 441.8  | 433.9  | 439.9  |
| 8290.2  | 37.5° | 8085.1  | 6465.7 | 1966.5 | 785.0  | 637.1  | 493.1  | 406.3  | 372.8  | 372.8  | 374.8  |
| 9039.7  | 40°   | 8672.8  | 6670.8 | 1566.1 | 775.2  | 617.4  | 439.9  | 343.2  | 329.4  | 335.3  | 339.3  |
| 9994.4  | 42.5° | 9388.8  | 7106.7 | 1295.9 | 763.3  | 595.7  | 416.2  | 311.6  | 305.7  | 315.6  | 319.5  |
| 11138.4 | 45°   | 10191.6 | 7659.0 | 1201.2 | 743.6  | 576.0  | 432.0  | 297.8  | 289.9  | 301.8  | 303.8  |
| 12420.5 | 47.5° | 11022.0 | 8199.5 | 1189.4 | 721.9  | 556.2  | 455.6  | 293.9  | 276.1  | 289.9  | 291.9  |
| 13789.4 | 50°   | 11862.3 | 8552.5 | 1201.2 | 688.4  | 524.7  | 455.6  | 295.9  | 262.3  | 274.2  | 280.1  |
| 15209.5 | 52.5° | 12708.5 | 8714.3 | 1193.3 | 615.4  | 469.4  | 428.0  | 295.9  | 250.5  | 262.3  | 266.3  |
| 16744.1 | 55°   | 13529.0 | 8682.7 | 1073.0 | 506.9  | 398.4  | 378.7  | 288.0  | 240.6  | 248.5  | 250.5  |
| 18193.8 | 57.5° | 14177.9 | 8242.8 | 850.1  | 394.5  | 323.5  | 315.6  | 262.3  | 228.8  | 234.7  | 232.7  |
| 19523.3 | 60°   | 14517.2 | 7276.4 | 607.5  | 303.8  | 254.4  | 248.5  | 230.8  | 213.0  | 217.0  | 207.1  |
| 20649.5 | 62.5° | 14521.1 | 5998.2 | 406.3  | 240.6  | 203.2  | 197.2  | 197.2  | 191.3  | 187.4  | 167.7  |
| 21521.4 | 65°   | 14211.5 | 4580.0 | 270.2  | 191.3  | 163.7  | 153.9  | 165.7  | 163.7  | 149.9  | 122.3  |
| 21787.6 | 67.5° | 13509.3 | 3002.1 | 205.1  | 149.9  | 126.2  | 120.3  | 132.2  | 138.1  | 128.2  | 102.6  |
| 20817.2 | 70°   | 12065.4 | 1747.6 | 169.6  | 116.4  | 94.7   | 88.8   | 106.5  | 118.3  | 106.5  | 82.8   |
| 17793.4 | 72.5° | 10022.0 | 942.8  | 138.1  | 86.8   | 65.1   | 59.2   | 84.8   | 96.6   | 84.8   | 61.1   |
| 11416.5 | 75°   | 6503.2  | 504.9  | 106.5  | 57.2   | 33.5   | 37.5   | 63.1   | 71.0   | 59.2   | 39.4   |
| 3351.2  | 77.5° | 2183.5  | 222.9  | 67.1   | 27.6   | 15.8   | 15.8   | 37.5   | 43.4   | 27.6   | 13.8   |
| 609.5   | 80°   | 487.2   | 92.7   | 27.6   | 11.8   | 5.9    | 5.9    | 7.9    | 7.9    | 3.9    | 0.0    |
| 187.4   | 82.5° | 159.8   | 37.5   | 11.8   | 3.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 47.3    | 85°   | 61.1    | 13.8   | 3.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 15.8    | 87.5° | 23.7    | 2.0    | 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°   |
|--------|
| 4871.9 |
| 4806.8 |
| 4227.0 |
| 3363.0 |
| 2258.4 |
| 1359.0 |
| 1007.9 |
| 944.8  |
| 901.4  |
| 842.2  |
| 765.3  |
| 690.4  |
| 613.4  |
| 522.7  |
| 437.9  |
| 372.8  |
| 339.3  |
| 319.5  |
| 305.7  |
| 293.9  |
| 282.1  |
| 266.3  |
| 250.5  |
| 232.7  |
| 205.1  |
| 161.7  |
| 118.3  |
| 100.6  |
| 78.9   |
| 59.2   |
| 35.5   |
| 11.8   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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