

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: P947038

Luminaire Tested: **GLAN-SB2C-735-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947038  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-735-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 15232 lumens  
Efficiency: N/A  
Efficacy: 151.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 100.9  
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

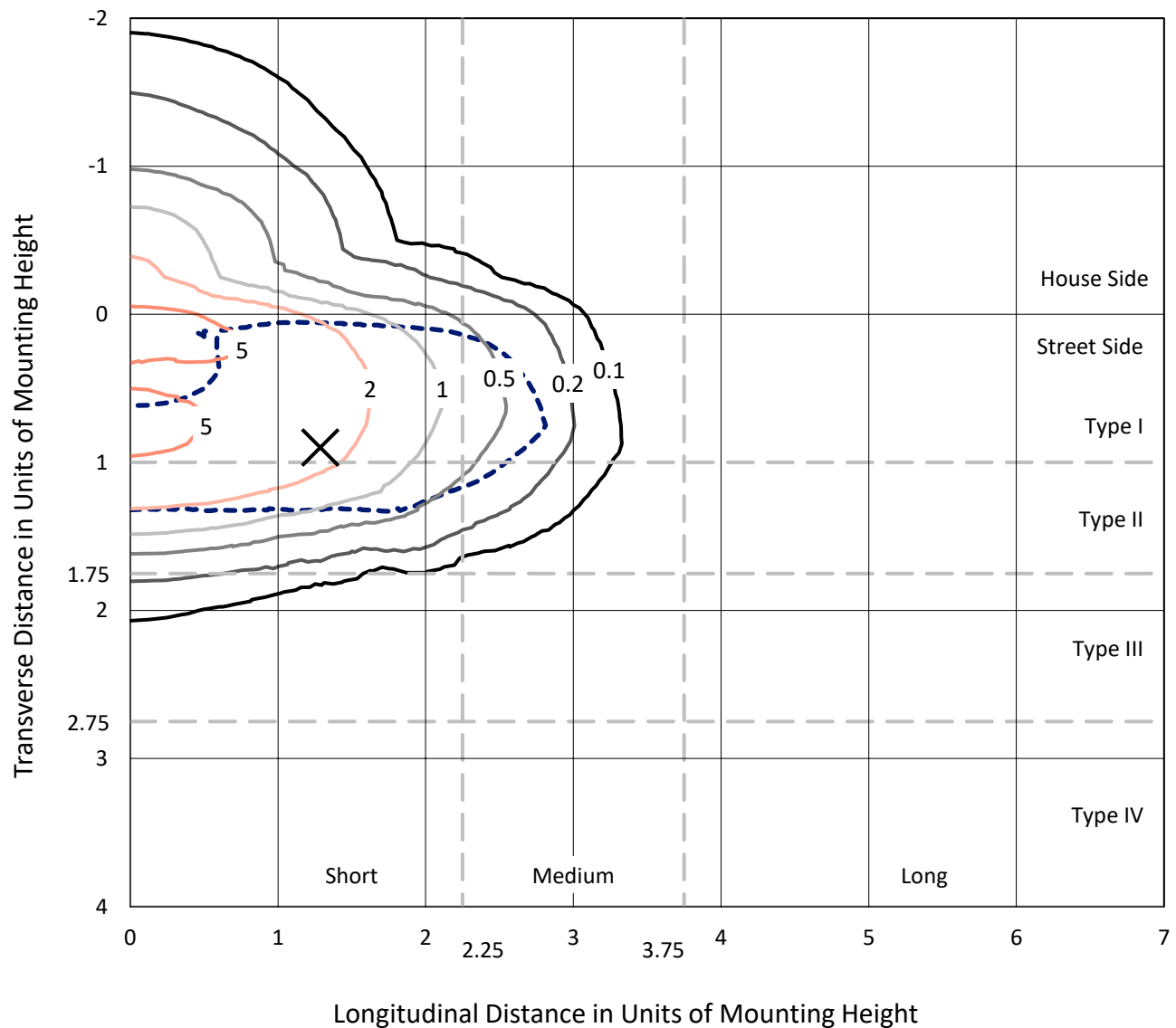


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## Iso-Footcandle Lines of Horizontal Illumination

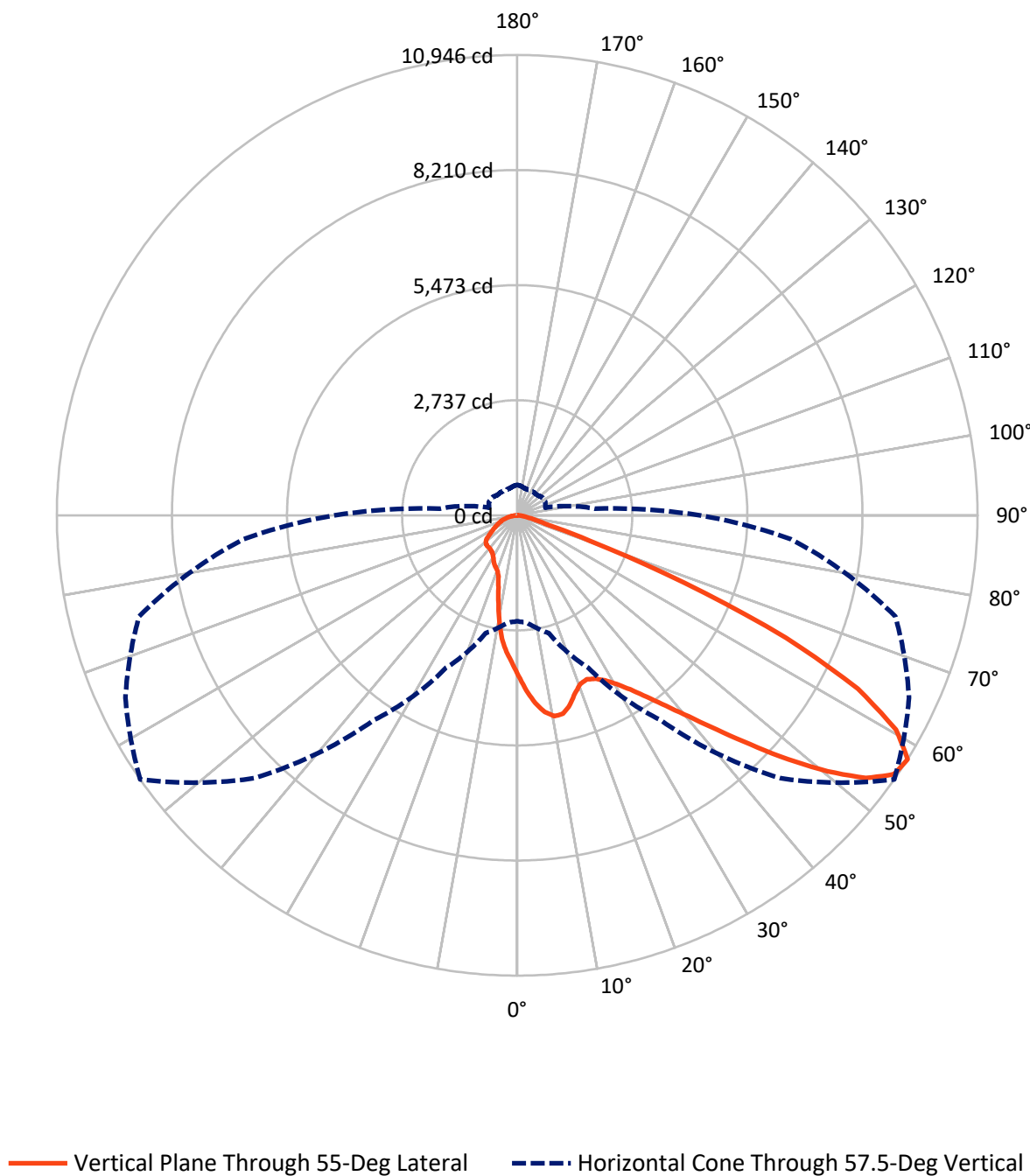
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
Type II - 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    | 2756.2   | 0.0    | 2756.2  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 12475.8  | 0.0    | 12475.8 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 15232.0  | 0.0    | 15232.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 354.2   | 2.3       |
| 10°-20°   | 893.9   | 5.9       |
| 20°-30°   | 1426.4  | 9.4       |
| 30°-40°   | 2258.4  | 14.8      |
| 40°-50°   | 3456.7  | 22.7      |
| 50°-60°   | 3702.5  | 24.3      |
| 60°-70°   | 2329.2  | 15.3      |
| 70°-80°   | 688.8   | 4.5       |
| 80°-90°   | 121.8   | 0.8       |
| 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°    | 15232.0 | 100.0     |
| 0°-180°   | 15232.0 | 100.0     |

**Coefficient of Utilization**



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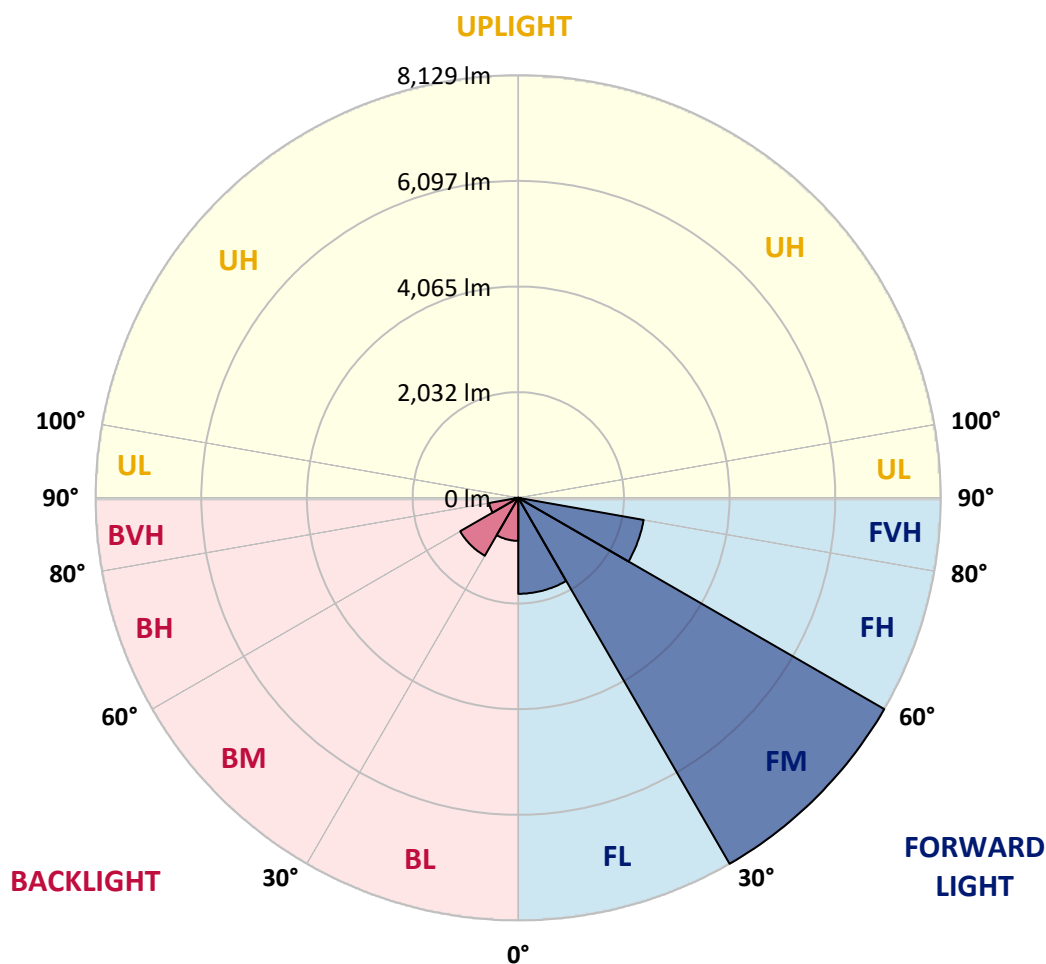
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1846.1 | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 8129.4 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 2448.8 | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 51.5   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 828.4  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1288.2 | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 569.2  | 3.7       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 70.3   | 0.5       |                         |      | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| 0°    | 3816.6 | 3816.6 | 3816.6 | 3816.6 | 3816.6 | 3816.6 | 3816.6  | 3816.6  | 3816.6 | 3816.6 |
| 2.5°  | 4378.9 | 4375.7 | 4393.0 | 4334.0 | 4293.8 | 4239.5 | 4167.8  | 4076.5  | 3978.1 | 3874.1 |
| 5°    | 4773.4 | 4745.8 | 4763.9 | 4719.8 | 4675.7 | 4593.8 | 4487.5  | 4338.7  | 4156.8 | 3949.7 |
| 7.5°  | 4711.2 | 4692.3 | 4738.7 | 4778.1 | 4811.2 | 4800.9 | 4723.0  | 4567.1  | 4332.4 | 4031.6 |
| 10°   | 4209.6 | 4188.3 | 4253.7 | 4389.9 | 4589.9 | 4763.9 | 4858.4  | 4761.6  | 4511.9 | 4121.4 |
| 12.5° | 3767.0 | 3756.8 | 3800.1 | 3910.3 | 4132.4 | 4466.3 | 4841.1  | 4931.6  | 4698.6 | 4227.7 |
| 15°   | 3578.1 | 3565.5 | 3593.0 | 3648.9 | 3790.7 | 4101.7 | 4683.6  | 5048.2  | 4882.0 | 4350.5 |
| 17.5° | 3536.3 | 3522.1 | 3534.0 | 3563.1 | 3654.4 | 3891.5 | 4445.8  | 5105.7  | 5073.4 | 4487.5 |
| 20°   | 3613.5 | 3601.7 | 3603.3 | 3601.7 | 3665.5 | 3853.7 | 4280.4  | 5083.6  | 5240.3 | 4613.5 |
| 22.5° | 3800.1 | 3780.4 | 3781.2 | 3739.5 | 3774.1 | 3919.8 | 4237.1  | 5024.6  | 5389.1 | 4723.8 |
| 25°   | 4104.1 | 4068.6 | 4075.7 | 3969.4 | 3960.0 | 4067.8 | 4304.8  | 4978.9  | 5537.2 | 4811.9 |
| 27.5° | 4519.8 | 4479.7 | 4458.4 | 4300.1 | 4224.5 | 4278.1 | 4442.6  | 4994.6  | 5677.3 | 4888.3 |
| 30°   | 5039.5 | 4990.7 | 4947.4 | 4723.0 | 4586.0 | 4566.3 | 4656.8  | 5098.6  | 5842.7 | 4968.6 |
| 32.5° | 5676.5 | 5619.8 | 5541.1 | 5243.5 | 5050.5 | 4947.4 | 4934.0  | 5283.6  | 6036.4 | 5071.0 |
| 35°   | 6434.8 | 6360.8 | 6249.0 | 5863.9 | 5619.8 | 5408.8 | 5299.4  | 5550.6  | 6301.8 | 5225.3 |
| 37.5° | 7216.0 | 7132.5 | 7030.1 | 6571.8 | 6271.8 | 5960.8 | 5745.0  | 5912.8  | 6655.3 | 5434.8 |
| 40°   | 7936.4 | 7842.7 | 7747.5 | 7339.6 | 7017.5 | 6642.7 | 6290.7  | 6371.0  | 7087.6 | 5685.2 |
| 42.5° | 8361.7 | 8292.4 | 8256.1 | 8035.7 | 7786.8 | 7406.5 | 6969.5  | 6914.4  | 7573.4 | 5973.4 |
| 45°   | 8342.8 | 8314.4 | 8426.2 | 8517.6 | 8458.5 | 8247.5 | 7764.8  | 7515.2  | 8060.9 | 6223.0 |
| 47.5° | 7897.1 | 7916.0 | 8165.6 | 8679.0 | 8905.0 | 9015.2 | 8670.3  | 8105.0  | 8484.5 | 6409.6 |
| 50°   | 6684.4 | 6700.2 | 7278.2 | 8385.3 | 9019.9 | 9641.2 | 9568.8  | 8680.6  | 8812.9 | 6523.8 |
| 52.5° | 5724.6 | 5734.8 | 5982.8 | 7514.4 | 8640.4 | 9956.2 | 10378.3 | 9223.1  | 9053.0 | 6555.3 |
| 55°   | 4311.9 | 4347.4 | 4625.3 | 5895.4 | 7653.0 | 9706.6 | 10871.2 | 9782.2  | 9205.0 | 6558.5 |
| 57.5° | 2519.0 | 2557.6 | 2900.9 | 4001.7 | 5948.2 | 8836.5 | 10946.0 | 10278.2 | 9308.1 | 6533.3 |
| 60°   | 1233.9 | 1250.4 | 1400.0 | 2103.2 | 3667.8 | 7160.0 | 10344.4 | 10518.4 | 9365.6 | 6519.9 |
| 62.5° | 831.5  | 829.2  | 835.5  | 1037.8 | 1807.1 | 4600.1 | 9090.8  | 10097.9 | 9334.9 | 6468.7 |
| 65°   | 715.0  | 706.3  | 682.7  | 728.4  | 936.2  | 2104.0 | 7023.8  | 8842.8  | 9101.0 | 6340.3 |
| 67.5° | 618.1  | 618.9  | 619.7  | 605.5  | 668.5  | 970.9  | 4292.2  | 6965.6  | 8261.7 | 5732.4 |
| 70°   | 511.8  | 518.9  | 522.1  | 522.1  | 544.9  | 637.0  | 1832.3  | 4774.2  | 6516.7 | 4494.6 |
| 72.5° | 466.2  | 451.2  | 452.8  | 444.9  | 444.9  | 485.1  | 737.8   | 2706.4  | 4105.6 | 2528.4 |
| 75°   | 380.3  | 389.8  | 391.3  | 385.8  | 367.7  | 370.1  | 437.8   | 1135.5  | 1756.7 | 1048.8 |
| 77.5° | 328.4  | 328.4  | 331.5  | 327.6  | 313.4  | 277.2  | 292.1   | 440.2   | 597.7  | 429.9  |
| 80°   | 263.8  | 263.0  | 276.4  | 284.3  | 262.2  | 204.7  | 186.6   | 243.3   | 265.4  | 189.0  |
| 82.5° | 128.4  | 136.2  | 189.8  | 216.5  | 199.2  | 148.0  | 114.2   | 151.2   | 141.7  | 83.5   |
| 85°   | 74.8   | 70.9   | 85.0   | 120.5  | 114.2  | 81.9   | 55.1    | 78.7    | 74.0   | 42.5   |
| 87.5° | 23.6   | 22.0   | 17.3   | 40.9   | 33.1   | 22.8   | 15.0    | 22.8    | 20.5   | 9.4    |
| 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):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3816.6 | 0°    | 3816.6 | 3816.6 | 3816.6 | 3816.6 | 3816.6 | 3816.6 | 3816.6 | 3816.6 | 3816.6 | 3816.6 |
| 3829.2 | 2.5°  | 3773.3 | 3680.4 | 3588.3 | 3504.0 | 3452.9 | 3419.8 | 3386.7 | 3349.7 | 3335.5 | 3314.3 |
| 3839.5 | 5°    | 3735.5 | 3556.0 | 3396.2 | 3258.4 | 3133.2 | 3034.7 | 2935.5 | 2855.2 | 2819.0 | 2843.4 |
| 3871.8 | 7.5°  | 3713.5 | 3453.6 | 3207.2 | 2954.4 | 2711.1 | 2516.6 | 2347.3 | 2228.4 | 2174.9 | 2188.3 |
| 3903.3 | 10°   | 3693.8 | 3337.9 | 2962.3 | 2563.1 | 2213.4 | 1972.5 | 1799.3 | 1708.7 | 1674.9 | 1681.9 |
| 3945.8 | 12.5° | 3675.7 | 3208.0 | 2667.0 | 2141.8 | 1770.1 | 1611.1 | 1561.5 | 1562.2 | 1568.5 | 1573.3 |
| 4013.5 | 15°   | 3672.5 | 3051.3 | 2337.1 | 1773.3 | 1530.8 | 1520.5 | 1574.1 | 1607.9 | 1626.0 | 1631.5 |
| 4070.2 | 17.5° | 3667.8 | 2863.9 | 2000.8 | 1522.1 | 1472.5 | 1541.8 | 1591.4 | 1613.4 | 1627.6 | 1628.4 |
| 4125.3 | 20°   | 3648.9 | 2626.1 | 1690.6 | 1402.4 | 1459.9 | 1519.7 | 1550.4 | 1567.8 | 1579.6 | 1583.5 |
| 4167.0 | 22.5° | 3590.7 | 2361.5 | 1448.9 | 1348.9 | 1409.5 | 1457.5 | 1493.7 | 1513.4 | 1520.5 | 1525.2 |
| 4174.9 | 25°   | 3485.9 | 2065.4 | 1281.9 | 1297.7 | 1339.4 | 1400.0 | 1429.2 | 1433.1 | 1430.7 | 1437.8 |
| 4155.2 | 27.5° | 3348.9 | 1748.1 | 1178.0 | 1228.4 | 1281.9 | 1333.9 | 1349.6 | 1347.3 | 1342.6 | 1350.4 |
| 4121.4 | 30°   | 3183.6 | 1463.0 | 1111.8 | 1150.4 | 1223.7 | 1270.9 | 1285.1 | 1279.6 | 1270.1 | 1278.8 |
| 4104.1 | 32.5° | 3008.7 | 1230.0 | 1057.5 | 1096.1 | 1175.6 | 1222.1 | 1236.3 | 1230.7 | 1223.7 | 1230.7 |
| 4123.7 | 35°   | 2845.8 | 1067.0 | 1007.1 | 1059.9 | 1137.8 | 1183.5 | 1201.6 | 1202.4 | 1202.4 | 1211.1 |
| 4175.7 | 37.5° | 2696.1 | 971.7  | 965.4  | 1037.0 | 1111.8 | 1152.8 | 1178.8 | 1180.3 | 1146.5 | 1148.9 |
| 4263.9 | 40°   | 2557.6 | 931.5  | 946.5  | 1022.1 | 1086.6 | 1126.0 | 1127.6 | 1039.4 | 977.2  | 975.6  |
| 4364.7 | 42.5° | 2444.2 | 923.6  | 952.0  | 1020.5 | 1068.5 | 1070.1 | 959.1  | 890.6  | 873.3  | 874.0  |
| 4457.6 | 45°   | 2337.9 | 921.3  | 964.6  | 1020.5 | 1041.8 | 924.4  | 849.6  | 831.5  | 833.1  | 839.4  |
| 4499.3 | 47.5° | 2219.0 | 911.8  | 967.0  | 1006.3 | 964.6  | 822.1  | 800.0  | 792.1  | 789.0  | 790.6  |
| 4489.9 | 50°   | 2089.0 | 878.0  | 937.0  | 978.0  | 832.3  | 778.0  | 750.4  | 748.1  | 752.0  | 754.4  |
| 4437.1 | 52.5° | 1952.0 | 822.9  | 885.9  | 926.8  | 771.7  | 739.4  | 708.7  | 714.2  | 731.5  | 737.0  |
| 4382.0 | 55°   | 1862.3 | 758.3  | 818.1  | 824.4  | 729.2  | 703.2  | 677.2  | 689.8  | 722.1  | 732.3  |
| 4348.9 | 57.5° | 1838.6 | 689.8  | 741.0  | 733.9  | 674.8  | 671.7  | 655.9  | 666.9  | 707.9  | 722.9  |
| 4347.4 | 60°   | 1831.5 | 628.4  | 665.4  | 659.9  | 622.1  | 637.0  | 633.1  | 638.6  | 652.8  | 657.5  |
| 4331.6 | 62.5° | 1776.4 | 579.5  | 597.7  | 589.8  | 574.8  | 600.8  | 610.3  | 598.4  | 609.5  | 615.0  |
| 4223.7 | 65°   | 1636.3 | 540.2  | 531.5  | 526.0  | 532.3  | 555.9  | 574.8  | 551.2  | 561.4  | 577.2  |
| 3808.0 | 67.5° | 1404.8 | 486.6  | 463.0  | 469.3  | 489.0  | 501.6  | 526.0  | 499.2  | 507.9  | 534.7  |
| 3067.0 | 70°   | 1136.3 | 418.9  | 397.6  | 415.8  | 434.7  | 460.6  | 464.6  | 446.5  | 466.9  | 496.9  |
| 1871.7 | 72.5° | 804.0  | 350.4  | 335.4  | 372.5  | 378.8  | 412.6  | 403.9  | 395.3  | 423.6  | 433.9  |
| 925.2  | 75°   | 557.5  | 282.7  | 274.0  | 302.4  | 325.2  | 354.3  | 348.0  | 358.3  | 418.1  | 422.8  |
| 462.2  | 77.5° | 352.8  | 219.7  | 214.2  | 232.3  | 263.8  | 296.1  | 306.3  | 422.8  | 714.2  | 742.5  |
| 240.2  | 80°   | 204.7  | 163.8  | 157.5  | 171.7  | 199.2  | 229.1  | 295.3  | 518.9  | 470.9  | 465.4  |
| 107.9  | 82.5° | 114.2  | 112.6  | 104.7  | 108.7  | 133.1  | 165.4  | 417.3  | 365.4  | 296.9  | 306.3  |
| 43.3   | 85°   | 53.5   | 66.1   | 56.7   | 54.3   | 74.8   | 193.7  | 278.7  | 208.7  | 138.6  | 135.4  |
| 9.4    | 87.5° | 14.2   | 12.6   | 12.6   | 14.2   | 31.5   | 166.9  | 111.0  | 89.0   | 52.8   | 51.2   |
| 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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