

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: P951154

Luminaire Tested: **GLAN-SB5B-927-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P951154  
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-SB5B-927-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 17609 lumens  
Efficiency: N/A  
Efficacy: 96.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

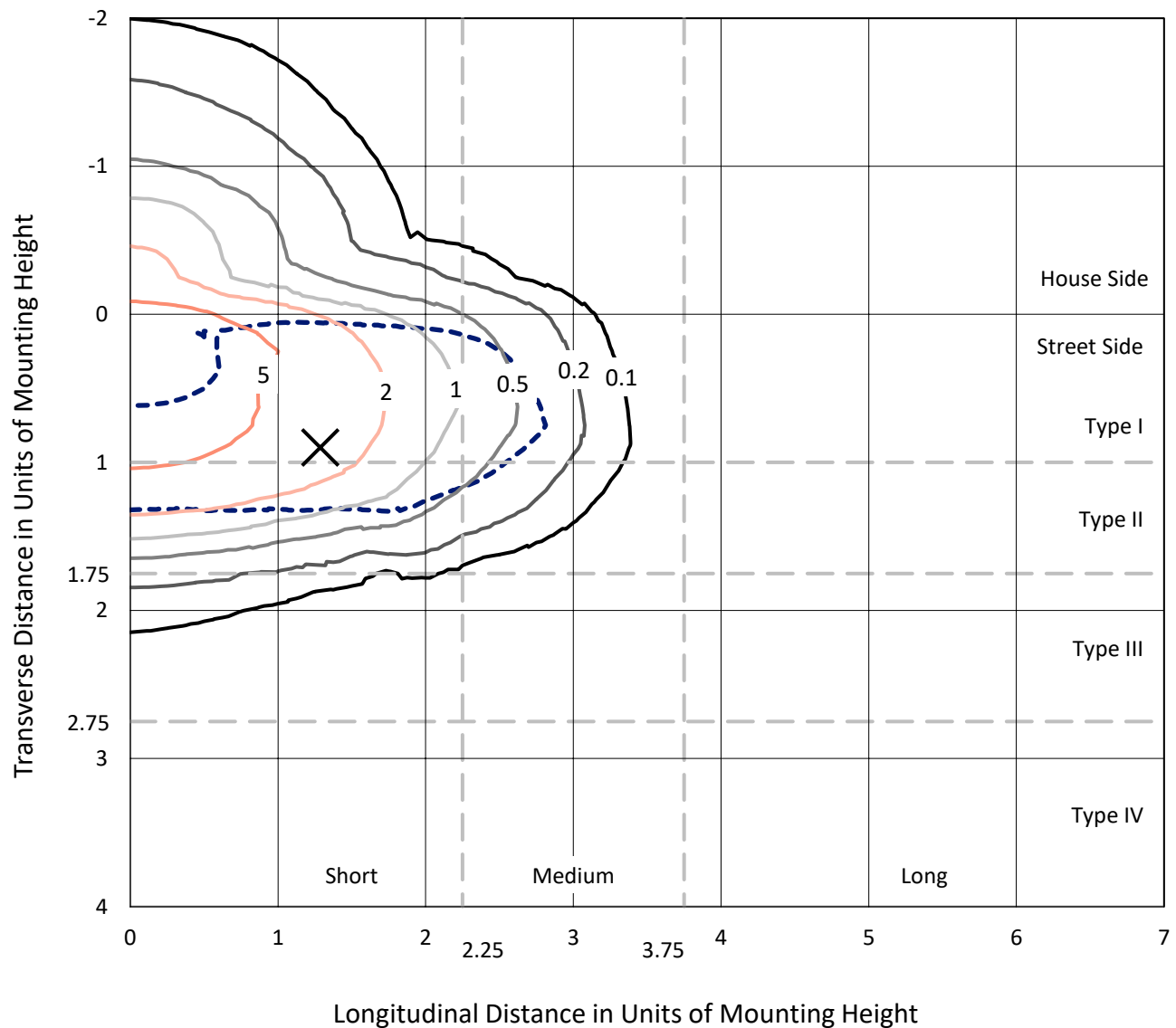
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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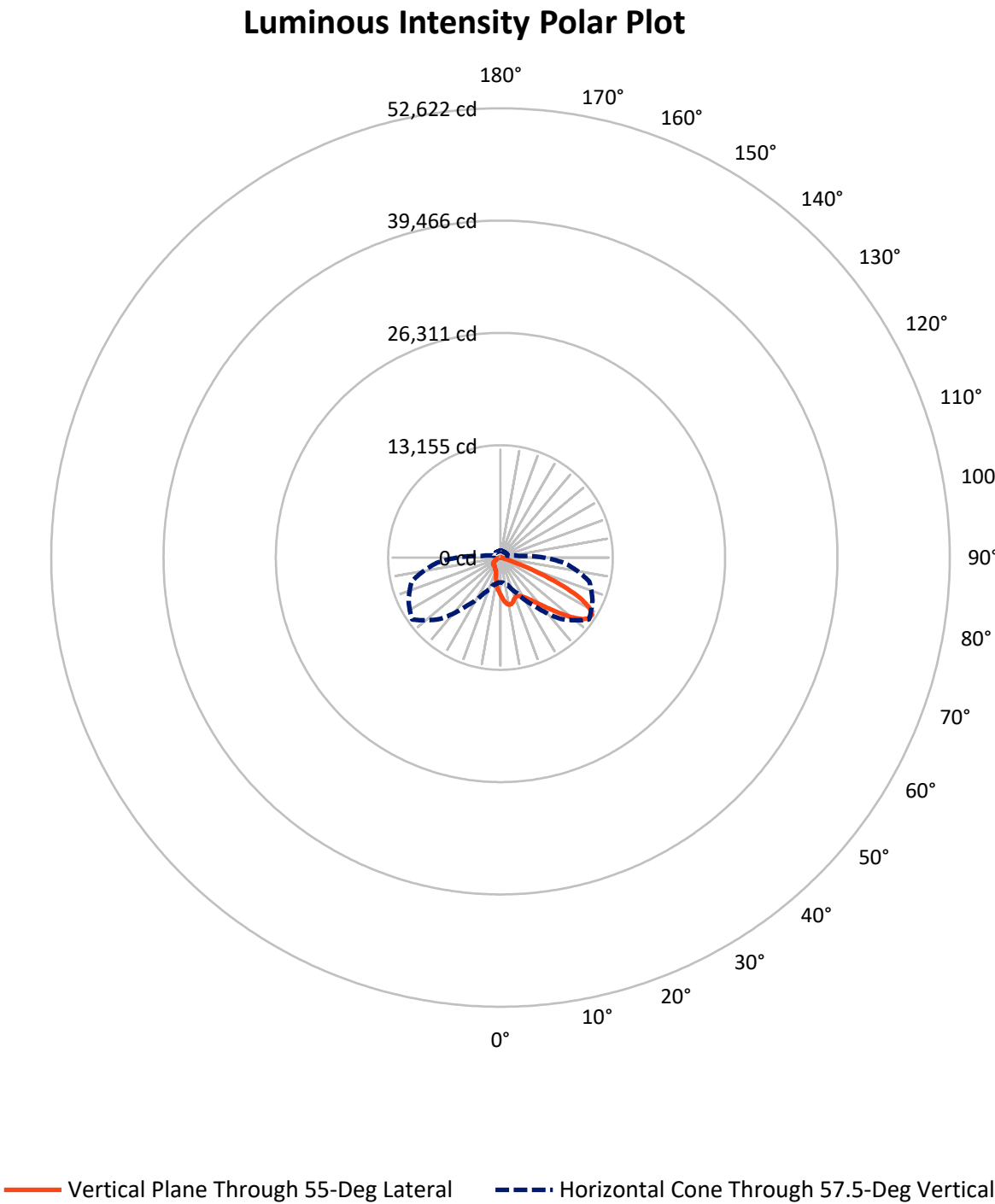
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type II - Short - N/A

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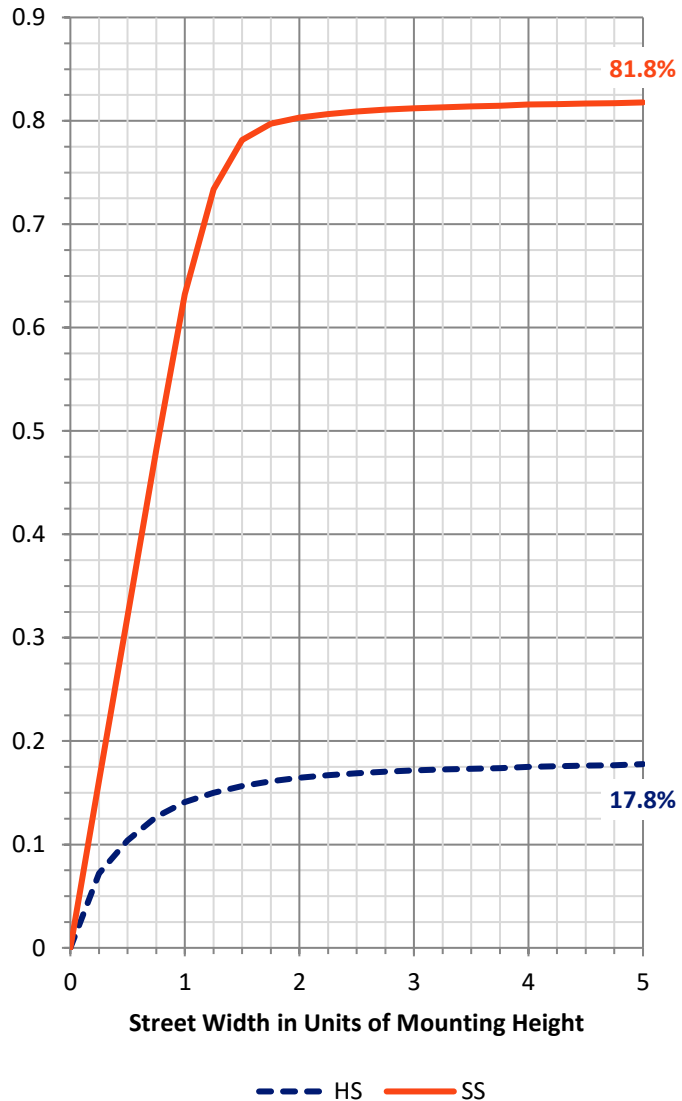
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3186.3   | 0.0    | 3186.3  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 14422.7  | 0.0    | 14422.7 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 17609.0  | 0.0    | 17609.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 409.4   | 2.3       |
| 10°-20°   | 1033.4  | 5.9       |
| 20°-30°   | 1649.0  | 9.4       |
| 30°-40°   | 2610.8  | 14.8      |
| 40°-50°   | 3996.2  | 22.7      |
| 50°-60°   | 4280.3  | 24.3      |
| 60°-70°   | 2692.7  | 15.3      |
| 70°-80°   | 796.3   | 4.5       |
| 80°-90°   | 140.8   | 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°    | 17609.0 | 100.0     |
| 0°-180°   | 17609.0 | 100.0     |

**Coefficient of Utilization**



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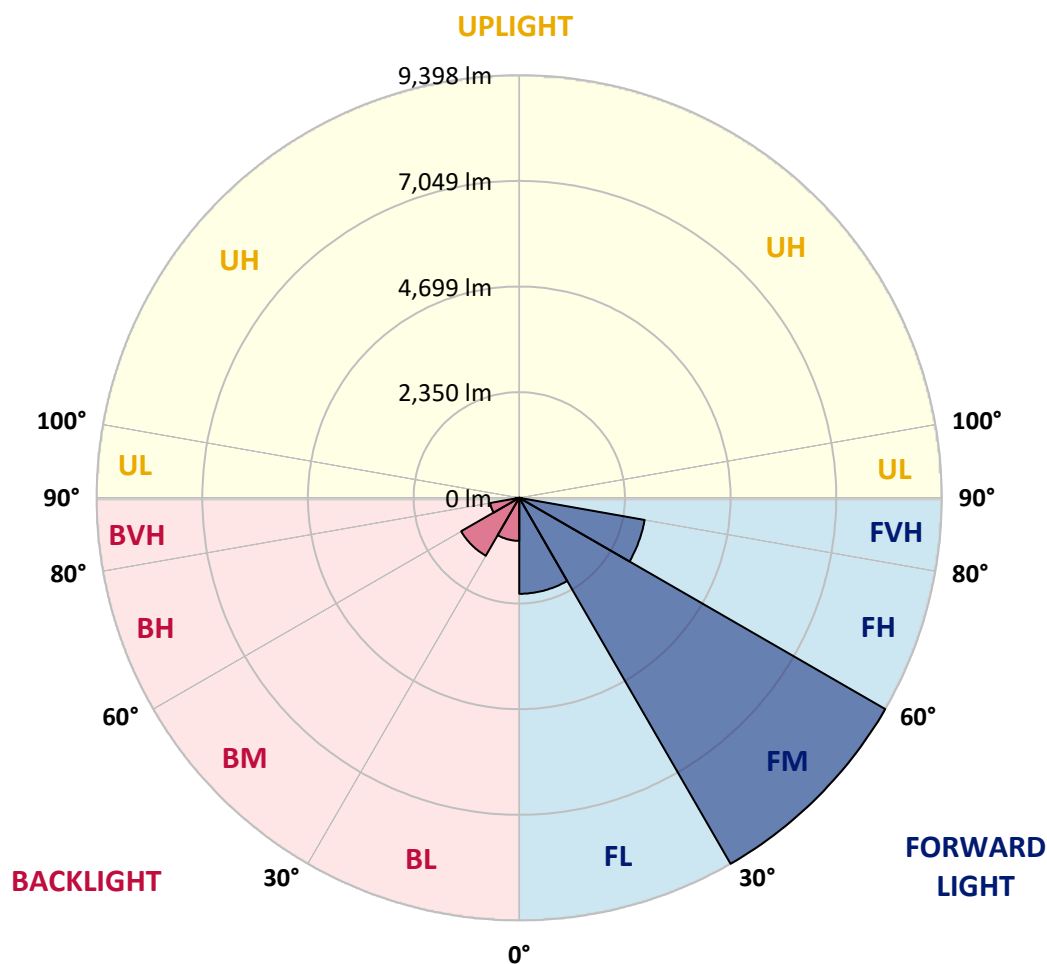
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2134.2 | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 9398.0 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 2831.0 | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 59.5   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 957.7  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1489.2 | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 658.0  | 3.7       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 81.3   | 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°    | 4412.2 | 4412.2 | 4412.2 | 4412.2  | 4412.2  | 4412.2  | 4412.2  | 4412.2  | 4412.2  | 4412.2 |
| 2.5°  | 5062.2 | 5058.6 | 5078.6 | 5010.3  | 4963.9  | 4901.1  | 4818.2  | 4712.6  | 4598.9  | 4478.7 |
| 5°    | 5518.3 | 5486.4 | 5507.3 | 5456.4  | 5405.4  | 5310.7  | 5187.8  | 5015.8  | 4805.5  | 4566.1 |
| 7.5°  | 5446.3 | 5424.5 | 5478.2 | 5523.7  | 5562.0  | 5550.1  | 5460.0  | 5279.8  | 5008.5  | 4660.8 |
| 10°   | 4866.5 | 4841.9 | 4917.5 | 5074.9  | 5306.2  | 5507.3  | 5616.6  | 5504.6  | 5216.0  | 4764.5 |
| 12.5° | 4354.9 | 4343.1 | 4393.1 | 4520.6  | 4777.3  | 5163.2  | 5596.5  | 5701.2  | 5431.8  | 4887.4 |
| 15°   | 4136.4 | 4121.9 | 4153.7 | 4218.3  | 4382.2  | 4741.8  | 5414.5  | 5836.0  | 5643.9  | 5029.4 |
| 17.5° | 4088.2 | 4071.8 | 4085.4 | 4119.1  | 4224.7  | 4498.7  | 5139.6  | 5902.4  | 5865.1  | 5187.8 |
| 20°   | 4177.4 | 4163.7 | 4165.6 | 4163.7  | 4237.5  | 4455.0  | 4948.4  | 5876.9  | 6058.1  | 5333.5 |
| 22.5° | 4393.1 | 4370.4 | 4371.3 | 4323.0  | 4363.1  | 4531.5  | 4898.3  | 5808.7  | 6230.1  | 5460.9 |
| 25°   | 4744.5 | 4703.5 | 4711.7 | 4588.8  | 4577.9  | 4702.6  | 4976.6  | 5755.9  | 6401.3  | 5562.9 |
| 27.5° | 5225.1 | 5178.7 | 5154.1 | 4971.2  | 4883.8  | 4945.7  | 5135.9  | 5774.1  | 6563.3  | 5651.2 |
| 30°   | 5825.9 | 5769.5 | 5719.4 | 5460.0  | 5301.6  | 5278.9  | 5383.5  | 5894.2  | 6754.5  | 5744.0 |
| 32.5° | 6562.4 | 6496.8 | 6405.8 | 6061.7  | 5838.7  | 5719.4  | 5704.0  | 6108.1  | 6978.4  | 5862.4 |
| 35°   | 7439.0 | 7353.4 | 7224.2 | 6779.0  | 6496.8  | 6252.9  | 6126.3  | 6416.7  | 7285.2  | 6040.8 |
| 37.5° | 8342.0 | 8245.5 | 8127.2 | 7597.4  | 7250.6  | 6891.0  | 6641.6  | 6835.5  | 7693.9  | 6282.9 |
| 40°   | 9175.0 | 9066.6 | 8956.5 | 8484.9  | 8112.6  | 7679.3  | 7272.4  | 7365.3  | 8193.6  | 6572.4 |
| 42.5° | 9666.5 | 9586.4 | 9544.5 | 9289.7  | 9002.0  | 8562.3  | 8057.1  | 7993.4  | 8755.3  | 6905.6 |
| 45°   | 9644.7 | 9611.9 | 9741.2 | 9846.8  | 9778.5  | 9534.5  | 8976.5  | 8687.9  | 9318.8  | 7194.1 |
| 47.5° | 9129.4 | 9151.3 | 9439.9 | 10033.4 | 10294.6 | 10422.1 | 10023.4 | 9369.8  | 9808.5  | 7409.9 |
| 50°   | 7727.6 | 7745.8 | 8413.9 | 9693.8  | 10427.5 | 11145.8 | 11062.0 | 10035.2 | 10188.1 | 7541.9 |
| 52.5° | 6617.9 | 6629.7 | 6916.5 | 8687.0  | 9988.8  | 11509.9 | 11997.8 | 10662.4 | 10465.8 | 7578.3 |
| 55°   | 4984.8 | 5025.8 | 5347.1 | 6815.4  | 8847.2  | 11221.3 | 12567.7 | 11308.7 | 10641.5 | 7581.9 |
| 57.5° | 2912.1 | 2956.7 | 3353.6 | 4626.2  | 6876.4  | 10215.4 | 12654.1 | 11882.2 | 10760.7 | 7552.8 |
| 60°   | 1426.4 | 1445.6 | 1618.5 | 2431.4  | 4240.2  | 8277.4  | 11958.7 | 12159.8 | 10827.2 | 7537.3 |
| 62.5° | 961.3  | 958.6  | 965.8  | 1199.8  | 2089.1  | 5318.0  | 10509.5 | 11673.7 | 10791.7 | 7478.1 |
| 65°   | 826.6  | 816.5  | 789.2  | 842.0   | 1082.4  | 2432.3  | 8119.9  | 10222.7 | 10521.3 | 7329.8 |
| 67.5° | 714.6  | 715.5  | 716.4  | 700.0   | 772.8   | 1122.4  | 4962.1  | 8052.5  | 9550.9  | 6627.0 |
| 70°   | 591.7  | 599.9  | 603.5  | 603.5   | 629.9   | 736.4   | 2118.3  | 5519.2  | 7533.7  | 5196.0 |
| 72.5° | 538.9  | 521.6  | 523.4  | 514.3   | 514.3   | 560.7   | 853.0   | 3128.7  | 4746.3  | 2923.0 |
| 75°   | 439.7  | 450.6  | 452.4  | 446.0   | 425.1   | 427.8   | 506.1   | 1312.7  | 2030.9  | 1212.5 |
| 77.5° | 379.6  | 379.6  | 383.2  | 378.7   | 362.3   | 320.4   | 337.7   | 508.9   | 690.9   | 497.0  |
| 80°   | 305.0  | 304.0  | 319.5  | 328.6   | 303.1   | 236.7   | 215.7   | 281.3   | 306.8   | 218.5  |
| 82.5° | 148.4  | 157.5  | 219.4  | 250.3   | 230.3   | 171.1   | 132.0   | 174.8   | 163.9   | 96.5   |
| 85°   | 86.5   | 81.9   | 98.3   | 139.3   | 132.0   | 94.7    | 63.7    | 91.0    | 85.6    | 49.2   |
| 87.5° | 27.3   | 25.5   | 20.0   | 47.3    | 38.2    | 26.4    | 17.3    | 26.4    | 23.7    | 10.9   |
| 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):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4412.2 | 0°    | 4412.2 | 4412.2 | 4412.2 | 4412.2 | 4412.2 | 4412.2 | 4412.2 | 4412.2 | 4412.2 | 4412.2 |
| 4426.8 | 2.5°  | 4362.2 | 4254.8 | 4148.3 | 4050.9 | 3991.7 | 3953.5 | 3915.2 | 3872.4 | 3856.0 | 3831.5 |
| 4438.6 | 5°    | 4318.5 | 4110.9 | 3926.1 | 3766.8 | 3622.1 | 3508.3 | 3393.6 | 3300.8 | 3258.9 | 3287.1 |
| 4476.0 | 7.5°  | 4293.0 | 3992.6 | 3707.7 | 3415.5 | 3134.2 | 2909.3 | 2713.6 | 2576.2 | 2514.3 | 2529.7 |
| 4512.4 | 10°   | 4270.2 | 3858.8 | 3424.6 | 2963.0 | 2558.9 | 2280.3 | 2080.0 | 1975.4 | 1936.2 | 1944.4 |
| 4561.5 | 12.5° | 4249.3 | 3708.6 | 3083.2 | 2476.0 | 2046.4 | 1862.5 | 1805.1 | 1806.0 | 1813.3 | 1818.8 |
| 4639.8 | 15°   | 4245.7 | 3527.4 | 2701.8 | 2050.0 | 1769.6 | 1757.8 | 1819.7 | 1858.8 | 1879.8 | 1886.2 |
| 4705.4 | 17.5° | 4240.2 | 3310.8 | 2313.1 | 1759.6 | 1702.3 | 1782.4 | 1839.7 | 1865.2 | 1881.6 | 1882.5 |
| 4769.1 | 20°   | 4218.3 | 3035.9 | 1954.4 | 1621.3 | 1687.7 | 1756.9 | 1792.4 | 1812.4 | 1826.1 | 1830.6 |
| 4817.3 | 22.5° | 4151.0 | 2730.0 | 1675.0 | 1559.4 | 1629.4 | 1685.0 | 1726.8 | 1749.6 | 1757.8 | 1763.3 |
| 4826.4 | 25°   | 4029.9 | 2387.7 | 1482.0 | 1500.2 | 1548.4 | 1618.5 | 1652.2 | 1656.8 | 1654.0 | 1662.2 |
| 4803.7 | 27.5° | 3871.5 | 2020.9 | 1361.8 | 1420.1 | 1482.0 | 1542.1 | 1560.3 | 1557.5 | 1552.1 | 1561.2 |
| 4764.5 | 30°   | 3680.4 | 1691.3 | 1285.3 | 1330.0 | 1414.6 | 1469.2 | 1485.6 | 1479.2 | 1468.3 | 1478.3 |
| 4744.5 | 32.5° | 3478.3 | 1421.9 | 1222.5 | 1267.1 | 1359.1 | 1412.8 | 1429.2 | 1422.8 | 1414.6 | 1422.8 |
| 4767.3 | 35°   | 3289.8 | 1233.5 | 1164.3 | 1225.3 | 1315.4 | 1368.2 | 1389.1 | 1390.0 | 1390.0 | 1400.0 |
| 4827.3 | 37.5° | 3116.9 | 1123.3 | 1116.0 | 1198.9 | 1285.3 | 1332.7 | 1362.7 | 1364.5 | 1325.4 | 1328.1 |
| 4929.3 | 40°   | 2956.7 | 1076.9 | 1094.2 | 1181.6 | 1256.2 | 1301.7 | 1303.6 | 1201.6 | 1129.7 | 1127.9 |
| 5045.8 | 42.5° | 2825.6 | 1067.8 | 1100.6 | 1179.8 | 1235.3 | 1237.1 | 1108.8 | 1029.6 | 1009.5 | 1010.4 |
| 5153.2 | 45°   | 2702.7 | 1065.1 | 1115.1 | 1179.8 | 1204.3 | 1068.7 | 982.2  | 961.3  | 963.1  | 970.4  |
| 5201.5 | 47.5° | 2565.2 | 1054.1 | 1117.9 | 1163.4 | 1115.1 | 950.4  | 924.9  | 915.8  | 912.1  | 913.9  |
| 5190.6 | 50°   | 2415.0 | 1015.0 | 1083.3 | 1130.6 | 962.2  | 899.4  | 867.5  | 864.8  | 869.3  | 872.1  |
| 5129.6 | 52.5° | 2256.6 | 951.3  | 1024.1 | 1071.4 | 892.1  | 854.8  | 819.3  | 825.6  | 845.7  | 852.0  |
| 5065.8 | 55°   | 2152.9 | 876.6  | 945.8  | 953.1  | 842.9  | 812.9  | 782.9  | 797.4  | 834.7  | 846.6  |
| 5027.6 | 57.5° | 2125.6 | 797.4  | 856.6  | 848.4  | 780.1  | 776.5  | 758.3  | 771.0  | 818.4  | 835.7  |
| 5025.8 | 60°   | 2117.4 | 726.4  | 769.2  | 762.8  | 719.1  | 736.4  | 731.9  | 738.3  | 754.6  | 760.1  |
| 5007.6 | 62.5° | 2053.6 | 670.0  | 690.9  | 681.8  | 664.5  | 694.6  | 705.5  | 691.8  | 704.6  | 710.9  |
| 4882.9 | 65°   | 1891.6 | 624.5  | 614.5  | 608.1  | 615.4  | 642.7  | 664.5  | 637.2  | 649.0  | 667.3  |
| 4402.2 | 67.5° | 1624.0 | 562.6  | 535.3  | 542.5  | 565.3  | 579.9  | 608.1  | 577.1  | 587.1  | 618.1  |
| 3545.6 | 70°   | 1313.6 | 484.3  | 459.7  | 480.6  | 502.5  | 532.5  | 537.1  | 516.1  | 539.8  | 574.4  |
| 2163.8 | 72.5° | 929.4  | 405.1  | 387.8  | 430.6  | 437.9  | 477.0  | 467.0  | 457.0  | 489.7  | 501.6  |
| 1069.6 | 75°   | 644.5  | 326.8  | 316.8  | 349.6  | 376.0  | 409.6  | 402.4  | 414.2  | 483.4  | 488.8  |
| 534.3  | 77.5° | 407.8  | 254.0  | 247.6  | 268.5  | 305.0  | 342.3  | 354.1  | 488.8  | 825.6  | 858.4  |
| 277.6  | 80°   | 236.7  | 189.3  | 182.1  | 198.4  | 230.3  | 264.9  | 341.4  | 599.9  | 544.4  | 538.0  |
| 124.7  | 82.5° | 132.0  | 130.2  | 121.1  | 125.6  | 153.8  | 191.2  | 482.5  | 422.4  | 343.2  | 354.1  |
| 50.1   | 85°   | 61.9   | 76.5   | 65.5   | 62.8   | 86.5   | 223.9  | 322.2  | 241.2  | 160.2  | 156.6  |
| 10.9   | 87.5° | 16.4   | 14.6   | 14.6   | 16.4   | 36.4   | 193.0  | 128.4  | 102.9  | 61.0   | 59.2   |
| 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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