

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: P947353

Luminaire Tested: **GLAN-SB2D-727-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947353  
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-SB2D-727-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 19197 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 147.6  
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



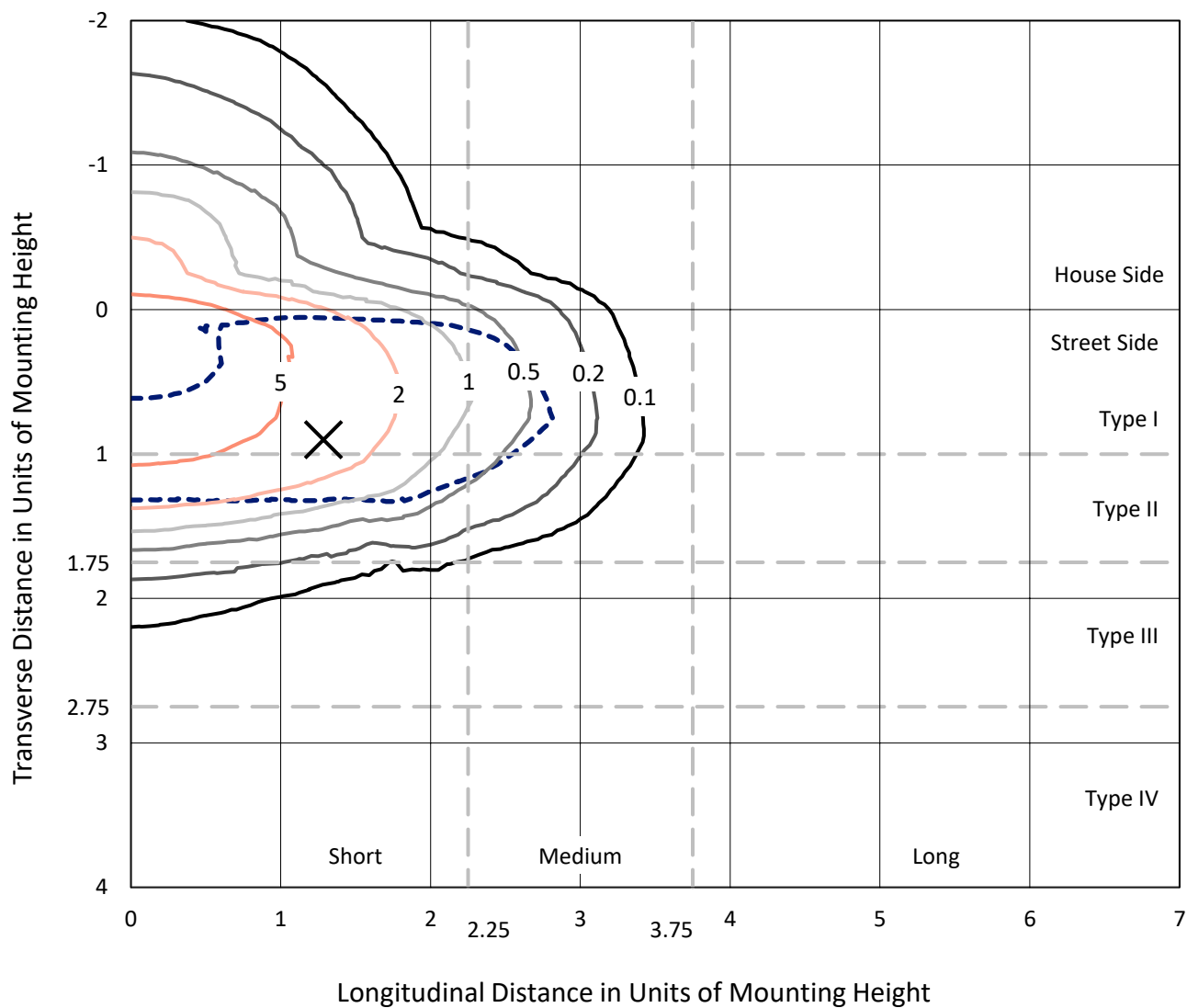
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## Iso-Footcandle Lines of Horizontal Illumination

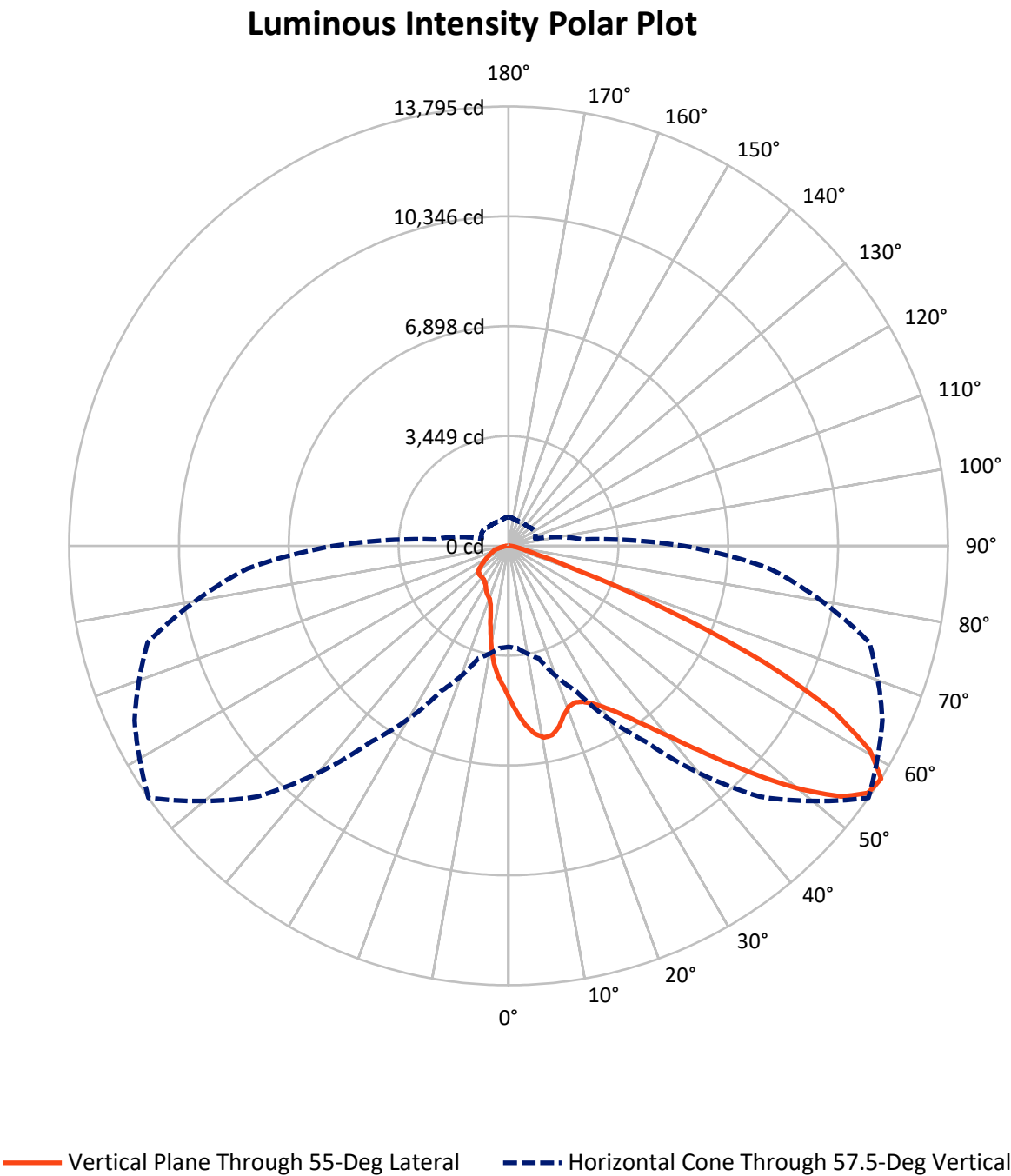
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
Type II - Short - N/A

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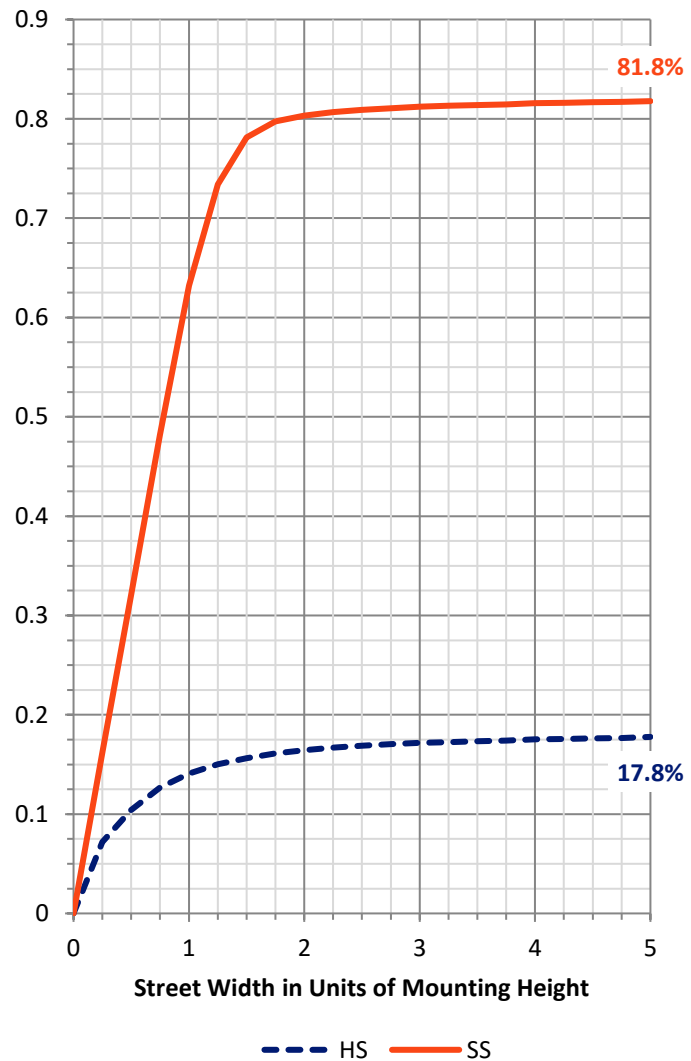
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3473.6   | 0.0    | 3473.6  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 15723.4  | 0.0    | 15723.4 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 19197.0  | 0.0    | 19197.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 446.3   | 2.3       |
| 10°-20°   | 1126.6  | 5.9       |
| 20°-30°   | 1797.8  | 9.4       |
| 30°-40°   | 2846.3  | 14.8      |
| 40°-50°   | 4356.5  | 22.7      |
| 50°-60°   | 4666.3  | 24.3      |
| 60°-70°   | 2935.6  | 15.3      |
| 70°-80°   | 868.1   | 4.5       |
| 80°-90°   | 153.5   | 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°    | 19197.0 | 100.0     |
| 0°-180°   | 19197.0 | 100.0     |

**Coefficient of Utilization**



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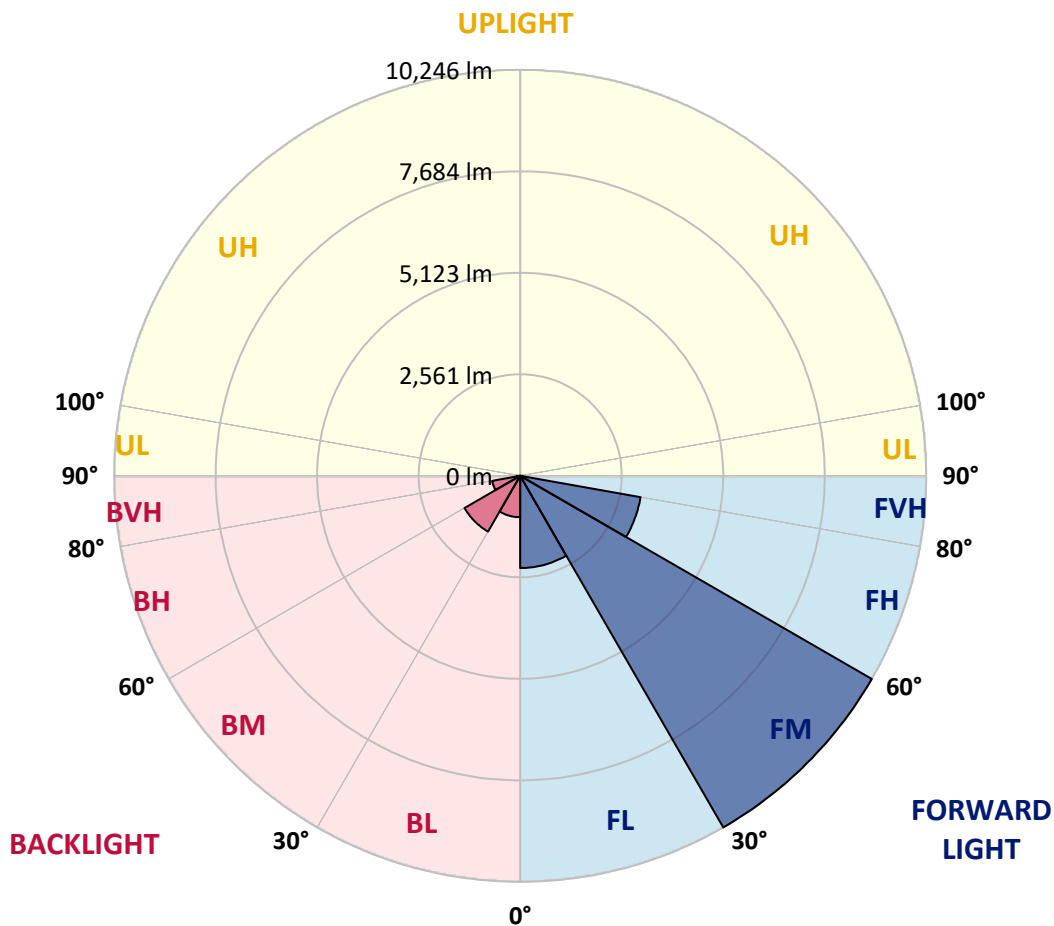
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2326.7  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 10245.6 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 3086.3  | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 64.9    | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1044.0  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1623.5  | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 717.4   | 3.7       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 88.6    | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0°    | 4810.1  | 4810.1  | 4810.1  | 4810.1  | 4810.1  | 4810.1  | 4810.1  | 4810.1  | 4810.1  | 4810.1 |
| 2.5°  | 5518.7  | 5514.7  | 5536.6  | 5462.1  | 5411.5  | 5343.1  | 5252.8  | 5137.6  | 5013.6  | 4882.6 |
| 5°    | 6015.9  | 5981.2  | 6004.0  | 5948.4  | 5892.8  | 5789.6  | 5655.7  | 5468.1  | 5238.9  | 4977.9 |
| 7.5°  | 5937.5  | 5913.7  | 5972.2  | 6021.9  | 6063.5  | 6050.6  | 5952.4  | 5755.9  | 5460.2  | 5081.1 |
| 10°   | 5305.4  | 5278.6  | 5360.9  | 5532.6  | 5784.7  | 6004.0  | 6123.1  | 6001.0  | 5686.4  | 5194.2 |
| 12.5° | 4747.6  | 4734.7  | 4789.3  | 4928.2  | 5208.1  | 5628.9  | 6101.3  | 6215.4  | 5921.6  | 5328.2 |
| 15°   | 4509.4  | 4493.6  | 4528.3  | 4598.8  | 4777.4  | 5169.4  | 5902.8  | 6362.3  | 6152.9  | 5483.0 |
| 17.5° | 4456.9  | 4439.0  | 4453.9  | 4490.6  | 4605.7  | 4904.4  | 5603.1  | 6434.7  | 6394.0  | 5655.7 |
| 20°   | 4554.1  | 4539.2  | 4541.2  | 4539.2  | 4619.6  | 4856.8  | 5394.7  | 6406.9  | 6604.4  | 5814.5 |
| 22.5° | 4789.3  | 4764.5  | 4765.5  | 4712.9  | 4756.6  | 4940.1  | 5340.1  | 6332.5  | 6792.0  | 5953.4 |
| 25°   | 5172.4  | 5127.7  | 5136.6  | 5002.7  | 4990.8  | 5126.7  | 5425.4  | 6274.9  | 6978.5  | 6064.5 |
| 27.5° | 5696.4  | 5645.7  | 5618.9  | 5419.5  | 5324.2  | 5391.7  | 5599.1  | 6294.8  | 7155.2  | 6160.8 |
| 30°   | 6351.3  | 6289.8  | 6235.2  | 5952.4  | 5779.7  | 5754.9  | 5869.0  | 6425.8  | 7363.6  | 6262.0 |
| 32.5° | 7154.2  | 7082.7  | 6983.5  | 6608.4  | 6365.2  | 6235.2  | 6218.4  | 6659.0  | 7607.7  | 6391.0 |
| 35°   | 8109.9  | 8016.6  | 7875.7  | 7390.4  | 7082.7  | 6816.8  | 6678.8  | 6995.4  | 7942.1  | 6585.5 |
| 37.5° | 9094.3  | 8989.1  | 8860.1  | 8282.5  | 7904.4  | 7512.4  | 7240.5  | 7451.9  | 8387.7  | 6849.5 |
| 40°   | 10002.4 | 9884.3  | 9764.2  | 9250.1  | 8844.2  | 8371.9  | 7928.3  | 8029.5  | 8932.6  | 7165.1 |
| 42.5° | 10538.3 | 10450.9 | 10405.3 | 10127.4 | 9813.8  | 9334.5  | 8783.7  | 8714.2  | 9544.9  | 7528.3 |
| 45°   | 10514.4 | 10478.7 | 10619.6 | 10734.8 | 10660.3 | 10394.4 | 9786.0  | 9471.4  | 10159.2 | 7842.9 |
| 47.5° | 9952.7  | 9976.6  | 10291.2 | 10938.2 | 11223.0 | 11361.9 | 10927.3 | 10214.7 | 10693.1 | 8078.1 |
| 50°   | 8424.5  | 8444.3  | 9172.7  | 10568.0 | 11367.9 | 12150.9 | 12059.6 | 10940.2 | 11106.9 | 8222.0 |
| 52.5° | 7214.7  | 7227.6  | 7540.2  | 9470.4  | 10889.6 | 12547.9 | 13079.8 | 11623.9 | 11409.6 | 8261.7 |
| 55°   | 5434.4  | 5479.0  | 5829.3  | 7430.1  | 9645.1  | 12233.3 | 13701.0 | 12328.5 | 11601.1 | 8265.7 |
| 57.5° | 3174.7  | 3223.3  | 3656.0  | 5043.4  | 7496.6  | 11136.7 | 13795.3 | 12953.7 | 11731.1 | 8233.9 |
| 60°   | 1555.1  | 1575.9  | 1764.5  | 2650.7  | 4622.6  | 9023.9  | 13037.1 | 13256.4 | 11803.6 | 8217.0 |
| 62.5° | 1048.0  | 1045.0  | 1052.9  | 1308.0  | 2277.5  | 5797.6  | 11457.2 | 12726.5 | 11764.9 | 8152.5 |
| 65°   | 901.1   | 890.2   | 860.4   | 918.0   | 1180.0  | 2651.7  | 8852.2  | 11144.6 | 11470.1 | 7990.8 |
| 67.5° | 779.0   | 780.0   | 781.0   | 763.2   | 842.5   | 1223.6  | 5409.6  | 8778.7  | 10412.2 | 7224.6 |
| 70°   | 645.1   | 654.0   | 658.0   | 658.0   | 686.7   | 802.8   | 2309.3  | 6016.9  | 8213.1  | 5664.6 |
| 72.5° | 587.5   | 568.6   | 570.6   | 560.7   | 560.7   | 611.3   | 929.9   | 3410.9  | 5174.4  | 3186.6 |
| 75°   | 479.3   | 491.2   | 493.2   | 486.3   | 463.4   | 466.4   | 551.8   | 1431.0  | 2214.0  | 1321.9 |
| 77.5° | 413.8   | 413.8   | 417.8   | 412.8   | 395.0   | 349.3   | 368.2   | 554.7   | 753.2   | 541.8  |
| 80°   | 332.5   | 331.5   | 348.3   | 358.3   | 330.5   | 258.0   | 235.2   | 306.7   | 334.4   | 238.2  |
| 82.5° | 161.8   | 171.7   | 239.2   | 272.9   | 251.1   | 186.6   | 143.9   | 190.5   | 178.6   | 105.2  |
| 85°   | 94.3    | 89.3    | 107.2   | 151.8   | 143.9   | 103.2   | 69.5    | 99.2    | 93.3    | 53.6   |
| 87.5° | 29.8    | 27.8    | 21.8    | 51.6    | 41.7    | 28.8    | 18.9    | 28.8    | 25.8    | 11.9   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4810.1 | 0°    | 4810.1 | 4810.1 | 4810.1 | 4810.1 | 4810.1 | 4810.1 | 4810.1 | 4810.1 | 4810.1 | 4810.1 |
| 4826.0 | 2.5°  | 4755.6 | 4638.5 | 4522.4 | 4416.2 | 4351.7 | 4310.0 | 4268.3 | 4221.7 | 4203.8 | 4177.0 |
| 4838.9 | 5°    | 4707.9 | 4481.7 | 4280.2 | 4106.5 | 3948.7 | 3824.7 | 3699.7 | 3598.4 | 3552.8 | 3583.5 |
| 4879.6 | 7.5°  | 4680.1 | 4352.7 | 4042.0 | 3723.5 | 3416.8 | 3171.7 | 2958.3 | 2808.5 | 2741.0 | 2757.9 |
| 4919.3 | 10°   | 4655.3 | 4206.8 | 3733.4 | 3230.3 | 2789.6 | 2486.0 | 2267.6 | 2153.5 | 2110.8 | 2119.8 |
| 4972.9 | 12.5° | 4632.5 | 4043.0 | 3361.2 | 2699.3 | 2230.9 | 2030.4 | 1967.9 | 1968.9 | 1976.9 | 1982.8 |
| 5058.2 | 15°   | 4628.5 | 3845.5 | 2945.4 | 2234.9 | 1929.2 | 1916.3 | 1983.8 | 2026.5 | 2049.3 | 2056.2 |
| 5129.7 | 17.5° | 4622.6 | 3609.3 | 2521.7 | 1918.3 | 1855.8 | 1943.1 | 2005.6 | 2033.4 | 2051.3 | 2052.3 |
| 5199.2 | 20°   | 4598.8 | 3309.6 | 2130.7 | 1767.5 | 1839.9 | 1915.3 | 1954.0 | 1975.9 | 1990.7 | 1995.7 |
| 5251.8 | 22.5° | 4525.3 | 2976.2 | 1826.0 | 1700.0 | 1776.4 | 1836.9 | 1882.6 | 1907.4 | 1916.3 | 1922.3 |
| 5261.7 | 25°   | 4393.3 | 2603.1 | 1615.6 | 1635.5 | 1688.1 | 1764.5 | 1801.2 | 1806.2 | 1803.2 | 1812.1 |
| 5236.9 | 27.5° | 4220.7 | 2203.1 | 1484.6 | 1548.1 | 1615.6 | 1681.1 | 1701.0 | 1698.0 | 1692.0 | 1702.0 |
| 5194.2 | 30°   | 4012.3 | 1843.9 | 1401.3 | 1449.9 | 1542.2 | 1601.7 | 1619.6 | 1612.6 | 1600.7 | 1611.7 |
| 5172.4 | 32.5° | 3791.9 | 1550.1 | 1332.8 | 1381.4 | 1481.6 | 1540.2 | 1558.1 | 1551.1 | 1542.2 | 1551.1 |
| 5197.2 | 35°   | 3586.5 | 1344.7 | 1269.3 | 1335.8 | 1434.0 | 1491.6 | 1514.4 | 1515.4 | 1515.4 | 1526.3 |
| 5262.7 | 37.5° | 3398.0 | 1224.6 | 1216.7 | 1307.0 | 1401.3 | 1452.9 | 1485.6 | 1487.6 | 1444.9 | 1447.9 |
| 5373.8 | 40°   | 3223.3 | 1174.0 | 1192.9 | 1288.1 | 1369.5 | 1419.1 | 1421.1 | 1310.0 | 1231.6 | 1229.6 |
| 5500.9 | 42.5° | 3080.4 | 1164.1 | 1199.8 | 1286.1 | 1346.7 | 1348.7 | 1208.7 | 1122.4 | 1100.6 | 1101.6 |
| 5618.0 | 45°   | 2946.4 | 1161.1 | 1215.7 | 1286.1 | 1312.9 | 1165.1 | 1070.8 | 1048.0 | 1050.0 | 1057.9 |
| 5670.6 | 47.5° | 2796.6 | 1149.2 | 1218.7 | 1268.3 | 1215.7 | 1036.1 | 1008.3 | 998.4  | 994.4  | 996.4  |
| 5658.6 | 50°   | 2632.8 | 1106.5 | 1181.0 | 1232.6 | 1049.0 | 980.5  | 945.8  | 942.8  | 947.7  | 950.7  |
| 5592.2 | 52.5° | 2460.2 | 1037.1 | 1116.4 | 1168.1 | 972.5  | 931.9  | 893.2  | 900.1  | 921.9  | 928.9  |
| 5522.7 | 55°   | 2347.0 | 955.7  | 1031.1 | 1039.0 | 919.0  | 886.2  | 853.5  | 869.3  | 910.0  | 922.9  |
| 5481.0 | 57.5° | 2317.2 | 869.3  | 933.8  | 924.9  | 850.5  | 846.5  | 826.7  | 840.6  | 892.2  | 911.0  |
| 5479.0 | 60°   | 2308.3 | 791.9  | 838.6  | 831.6  | 784.0  | 802.8  | 797.9  | 804.8  | 822.7  | 828.7  |
| 5459.2 | 62.5° | 2238.8 | 730.4  | 753.2  | 743.3  | 724.4  | 757.2  | 769.1  | 754.2  | 768.1  | 775.1  |
| 5323.2 | 65°   | 2062.2 | 680.8  | 669.9  | 662.9  | 670.9  | 700.6  | 724.4  | 694.7  | 707.6  | 727.4  |
| 4799.2 | 67.5° | 1770.4 | 613.3  | 583.5  | 591.5  | 616.3  | 632.2  | 662.9  | 629.2  | 640.1  | 673.8  |
| 3865.4 | 70°   | 1432.0 | 528.0  | 501.2  | 524.0  | 547.8  | 580.6  | 585.5  | 562.7  | 588.5  | 626.2  |
| 2358.9 | 72.5° | 1013.2 | 441.6  | 422.8  | 469.4  | 477.3  | 520.0  | 509.1  | 498.2  | 533.9  | 546.8  |
| 1166.1 | 75°   | 702.6  | 356.3  | 345.4  | 381.1  | 409.9  | 446.6  | 438.6  | 451.5  | 527.0  | 532.9  |
| 582.5  | 77.5° | 444.6  | 276.9  | 269.9  | 292.8  | 332.5  | 373.1  | 386.0  | 532.9  | 900.1  | 935.8  |
| 302.7  | 80°   | 258.0  | 206.4  | 198.5  | 216.3  | 251.1  | 288.8  | 372.1  | 654.0  | 593.5  | 586.5  |
| 136.0  | 82.5° | 143.9  | 141.9  | 132.0  | 137.0  | 167.7  | 208.4  | 526.0  | 460.5  | 374.1  | 386.0  |
| 54.6   | 85°   | 67.5   | 83.4   | 71.5   | 68.5   | 94.3   | 244.1  | 351.3  | 263.0  | 174.7  | 170.7  |
| 11.9   | 87.5° | 17.9   | 15.9   | 15.9   | 17.9   | 39.7   | 210.4  | 139.9  | 112.1  | 66.5   | 64.5   |
| 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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