

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: P950671

Luminaire Tested: **GLAN-SB5A-760-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950671  
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-SB5A-760-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24381 lumens  
Efficiency: N/A  
Efficacy: 172.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 141.7  
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

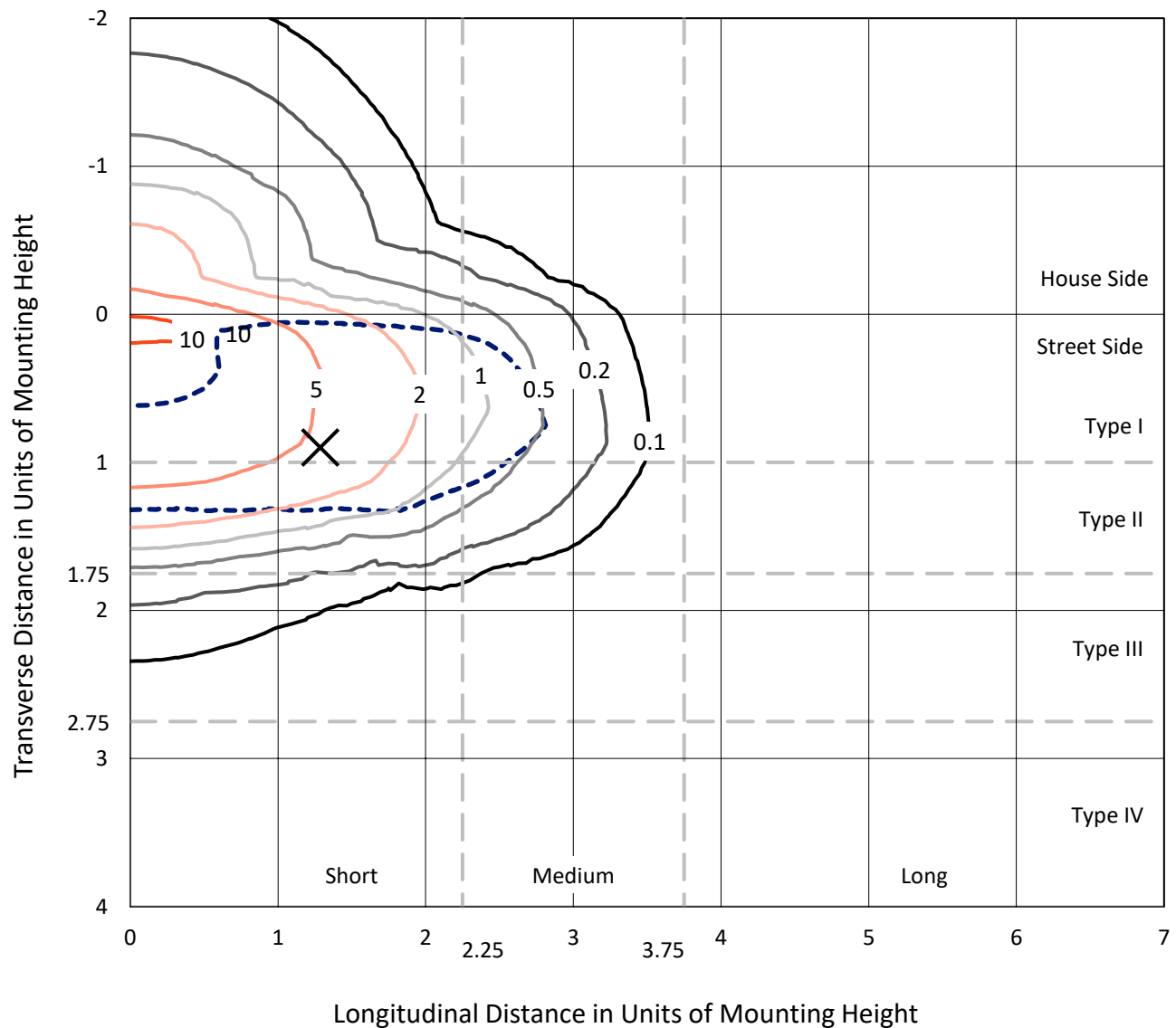


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## Iso-Footcandle Lines of Horizontal Illumination

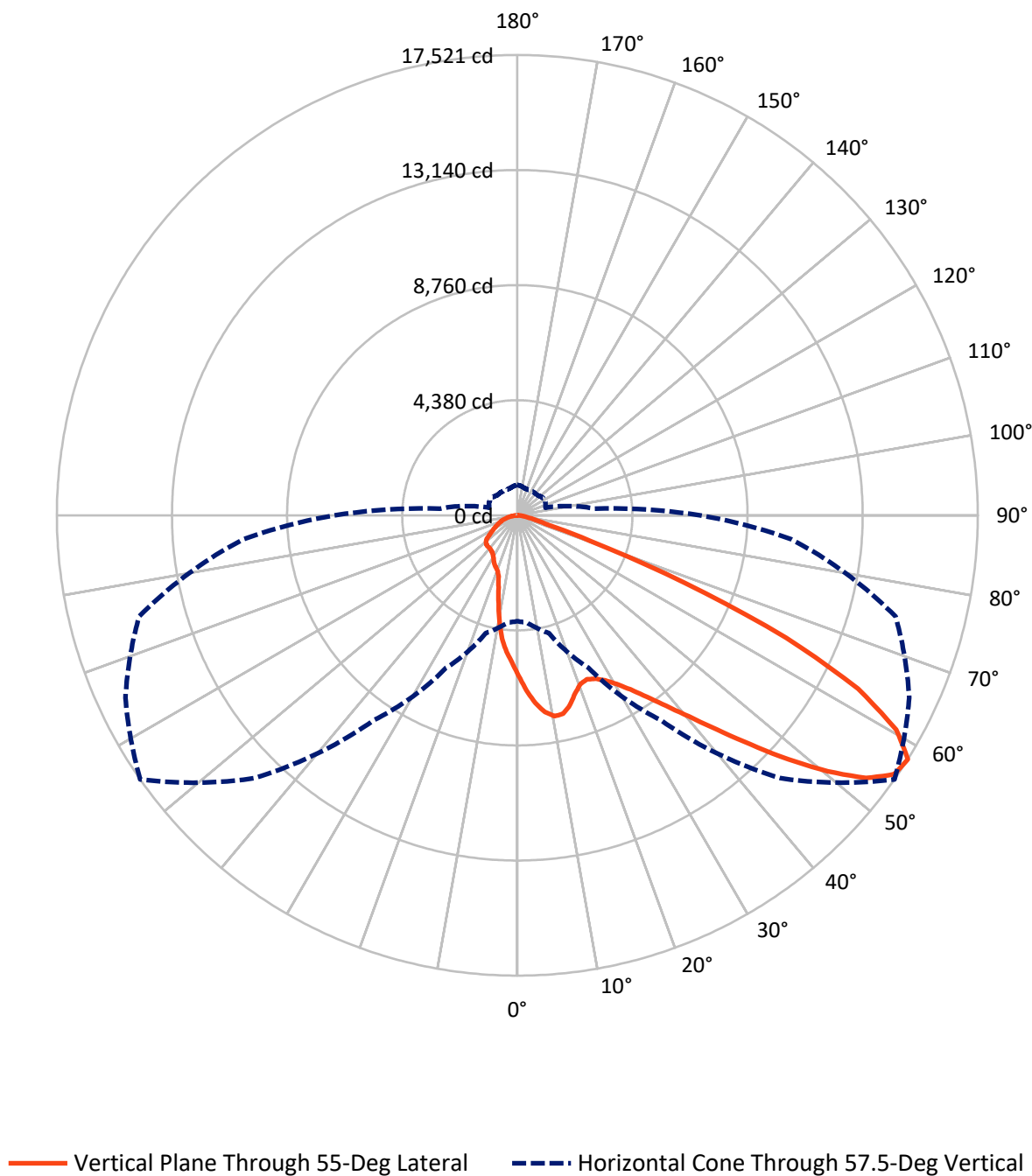
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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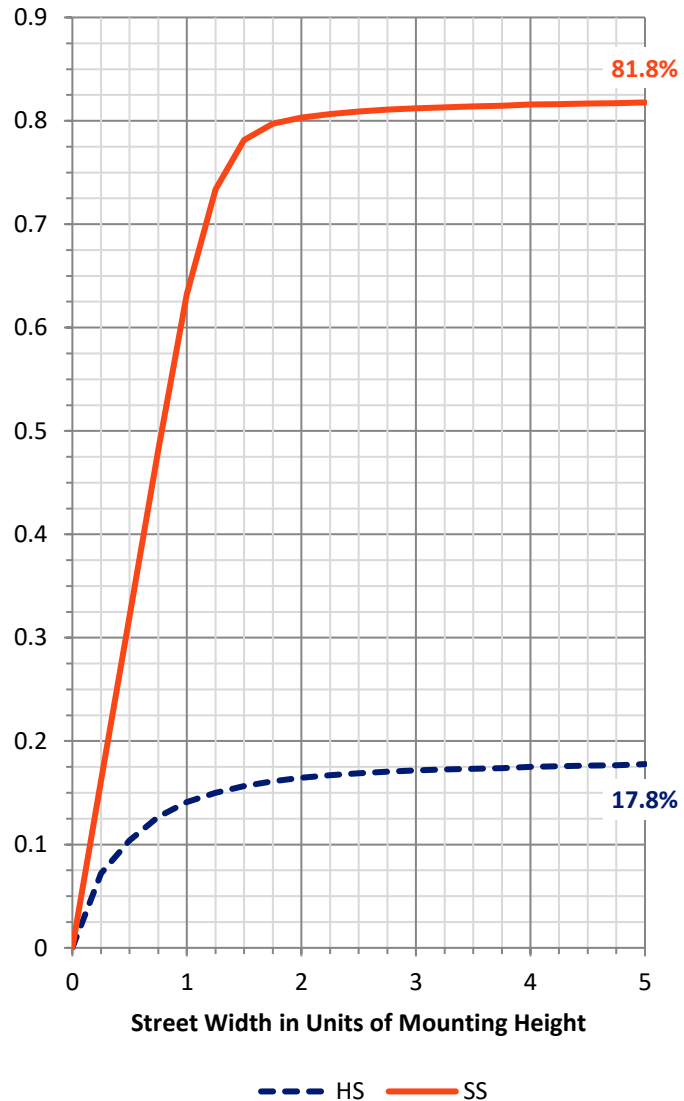
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4411.6   | 0.0    | 4411.6  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 19969.4  | 0.0    | 19969.4 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 24381.0  | 0.0    | 24381.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 566.9   | 2.3       |
| 10°-20°   | 1430.8  | 5.9       |
| 20°-30°   | 2283.2  | 9.4       |
| 30°-40°   | 3614.9  | 14.8      |
| 40°-50°   | 5533.0  | 22.7      |
| 50°-60°   | 5926.4  | 24.3      |
| 60°-70°   | 3728.3  | 15.3      |
| 70°-80°   | 1102.5  | 4.5       |
| 80°-90°   | 194.9   | 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°    | 24381.0 | 100.0     |
| 0°-180°   | 24381.0 | 100.0     |

**Coefficient of Utilization**



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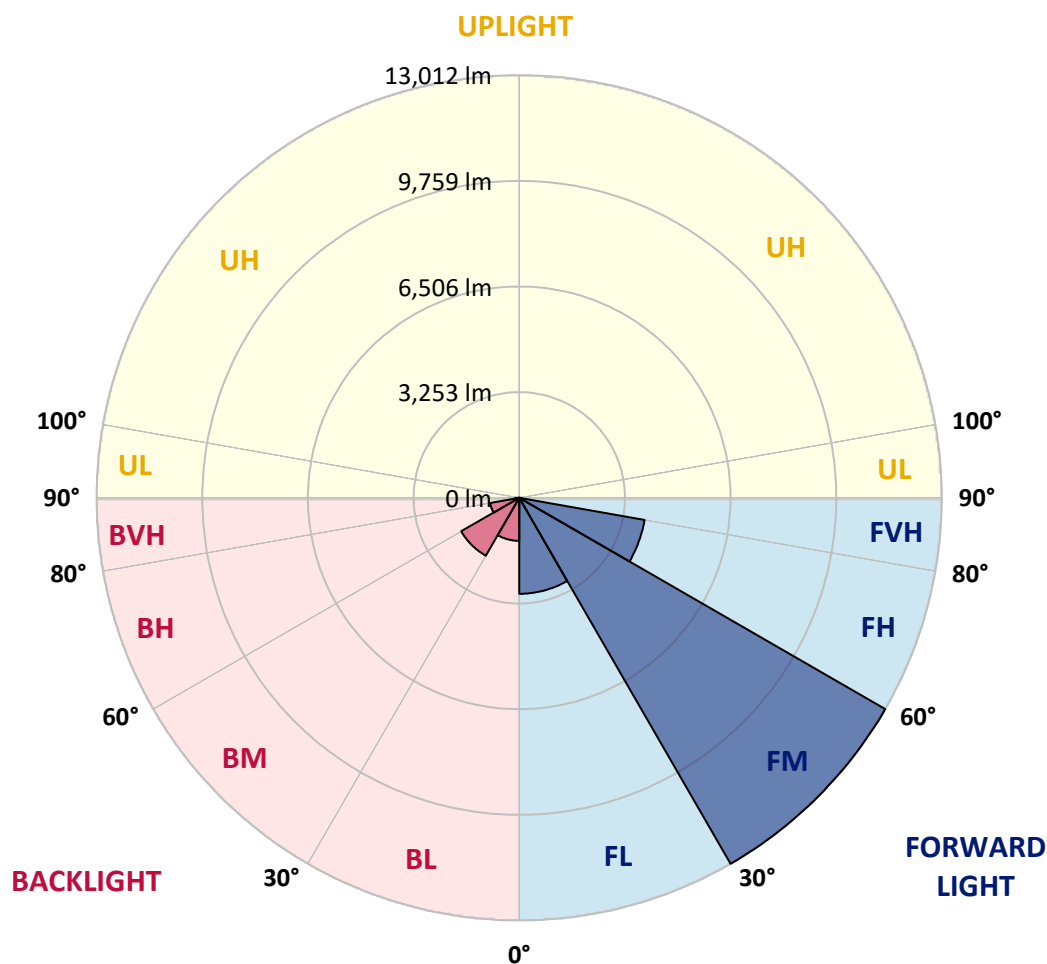
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2955.0  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 13012.3 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 3919.7  | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 82.4    | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1326.0  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2062.0  | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 911.1   | 3.7       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 112.6   | 0.5       |                         |      | G2/225  |
| 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°    | 6109.1  | 6109.1  | 6109.1  | 6109.1  | 6109.1  | 6109.1  | 6109.1  | 6109.1  | 6109.1  | 6109.1  |
| 2.5°  | 7009.0  | 7004.0  | 7031.7  | 6937.2  | 6872.9  | 6785.9  | 6671.2  | 6525.0  | 6367.5  | 6201.1  |
| 5°    | 7640.5  | 7596.3  | 7625.3  | 7554.7  | 7484.2  | 7353.1  | 7182.9  | 6944.7  | 6653.6  | 6322.1  |
| 7.5°  | 7540.9  | 7510.6  | 7585.0  | 7648.0  | 7701.0  | 7684.6  | 7559.8  | 7310.2  | 6934.6  | 6453.2  |
| 10°   | 6738.0  | 6704.0  | 6808.6  | 7026.6  | 7346.8  | 7625.3  | 7776.6  | 7621.5  | 7222.0  | 6596.9  |
| 12.5° | 6029.7  | 6013.3  | 6082.6  | 6259.1  | 6614.5  | 7148.9  | 7748.8  | 7893.8  | 7520.7  | 6767.0  |
| 15°   | 5727.2  | 5707.0  | 5751.1  | 5840.6  | 6067.5  | 6565.3  | 7496.8  | 8080.3  | 7814.4  | 6963.6  |
| 17.5° | 5660.4  | 5637.7  | 5656.6  | 5703.2  | 5849.4  | 6228.8  | 7116.1  | 8172.3  | 8120.7  | 7182.9  |
| 20°   | 5783.9  | 5765.0  | 5767.5  | 5765.0  | 5867.1  | 6168.3  | 6851.5  | 8137.0  | 8387.9  | 7384.6  |
| 22.5° | 6082.6  | 6051.1  | 6052.4  | 5985.6  | 6041.0  | 6274.2  | 6782.1  | 8042.5  | 8626.1  | 7561.1  |
| 25°   | 6569.1  | 6512.4  | 6523.8  | 6353.6  | 6338.5  | 6511.2  | 6890.5  | 7969.4  | 8863.0  | 7702.2  |
| 27.5° | 7234.6  | 7170.3  | 7136.3  | 6883.0  | 6762.0  | 6847.7  | 7111.1  | 7994.6  | 9087.4  | 7824.5  |
| 30°   | 8066.5  | 7988.3  | 7919.0  | 7559.8  | 7340.5  | 7309.0  | 7453.9  | 8161.0  | 9352.1  | 7953.0  |
| 32.5° | 9086.1  | 8995.4  | 8869.3  | 8392.9  | 8084.1  | 7919.0  | 7897.6  | 8457.2  | 9662.1  | 8116.9  |
| 35°   | 10299.9 | 10181.4 | 10002.4 | 9386.1  | 8995.4  | 8657.6  | 8482.4  | 8884.5  | 10086.9 | 8363.9  |
| 37.5° | 11550.2 | 11416.6 | 11252.7 | 10519.2 | 10039.0 | 9541.1  | 9195.8  | 9464.2  | 10652.8 | 8699.2  |
| 40°   | 12703.4 | 12553.4 | 12400.9 | 11748.1 | 11232.6 | 10632.6 | 10069.2 | 10197.8 | 11344.7 | 9100.0  |
| 42.5° | 13384.0 | 13273.1 | 13215.1 | 12862.2 | 12463.9 | 11855.2 | 11155.7 | 11067.4 | 12122.4 | 9561.3  |
| 45°   | 13353.8 | 13308.4 | 13487.4 | 13633.6 | 13539.1 | 13201.3 | 12428.7 | 12029.1 | 12902.6 | 9960.8  |
| 47.5° | 12640.4 | 12670.7 | 13070.2 | 13892.0 | 14253.7 | 14430.2 | 13878.1 | 12973.1 | 13580.7 | 10259.5 |
| 50°   | 10699.4 | 10724.6 | 11649.7 | 13421.8 | 14437.7 | 15432.2 | 15316.2 | 13894.5 | 14106.2 | 10442.3 |
| 52.5° | 9163.0  | 9179.4  | 9576.4  | 12027.9 | 13830.2 | 15936.3 | 16611.9 | 14762.9 | 14490.6 | 10492.7 |
| 55°   | 6901.9  | 6958.6  | 7403.5  | 9436.5  | 12249.7 | 15536.8 | 17400.9 | 15657.8 | 14733.9 | 10497.7 |
| 57.5° | 4032.0  | 4093.7  | 4643.3  | 6405.3  | 9521.0  | 14144.0 | 17520.6 | 16451.8 | 14899.0 | 10457.4 |
| 60°   | 1975.0  | 2001.5  | 2241.0  | 3366.5  | 5870.9  | 11460.7 | 16557.7 | 16836.2 | 14991.0 | 10436.0 |
| 62.5° | 1331.0  | 1327.2  | 1337.3  | 1661.2  | 2892.6  | 7363.2  | 14551.1 | 16163.2 | 14941.9 | 10354.1 |
| 65°   | 1144.4  | 1130.6  | 1092.8  | 1165.9  | 1498.6  | 3367.7  | 11242.6 | 14154.1 | 14567.5 | 10148.6 |
| 67.5° | 989.4   | 990.7   | 991.9   | 969.2   | 1070.1  | 1554.1  | 6870.4  | 11149.4 | 13224.0 | 9175.6  |
| 70°   | 819.3   | 830.6   | 835.6   | 835.6   | 872.2   | 1019.7  | 2932.9  | 7641.7  | 10430.9 | 7194.3  |
| 72.5° | 746.1   | 722.2   | 724.7   | 712.1   | 712.1   | 776.4   | 1181.0  | 4331.9  | 6571.6  | 4047.1  |
| 75°   | 608.8   | 623.9   | 626.4   | 617.6   | 588.6   | 592.4   | 700.8   | 1817.5  | 2811.9  | 1678.8  |
| 77.5° | 525.6   | 525.6   | 530.6   | 524.3   | 501.6   | 443.7   | 467.6   | 704.6   | 956.6   | 688.2   |
| 80°   | 422.2   | 421.0   | 442.4   | 455.0   | 419.7   | 327.7   | 298.7   | 389.5   | 424.7   | 302.5   |
| 82.5° | 205.4   | 218.0   | 303.8   | 346.6   | 318.9   | 237.0   | 182.8   | 242.0   | 226.9   | 133.6   |
| 85°   | 119.7   | 113.4   | 136.1   | 192.8   | 182.8   | 131.1   | 88.2    | 126.0   | 118.5   | 68.1    |
| 87.5° | 37.8    | 35.3    | 27.7    | 65.5    | 52.9    | 36.6    | 23.9    | 36.6    | 32.8    | 15.1    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6109.1 | 0°    | 6109.1 | 6109.1 | 6109.1 | 6109.1 | 6109.1 | 6109.1 | 6109.1 | 6109.1 | 6109.1 | 6109.1 |
| 6129.3 | 2.5°  | 6039.8 | 5891.0 | 5743.6 | 5608.7 | 5526.8 | 5473.9 | 5420.9 | 5361.7 | 5339.0 | 5305.0 |
| 6145.6 | 5°    | 5979.3 | 5691.9 | 5436.0 | 5215.5 | 5015.1 | 4857.5 | 4698.7 | 4570.2 | 4512.2 | 4551.3 |
| 6197.3 | 7.5°  | 5944.0 | 5528.0 | 5133.5 | 4729.0 | 4339.5 | 4028.2 | 3757.2 | 3566.9 | 3481.2 | 3502.6 |
| 6247.7 | 10°   | 5912.5 | 5342.8 | 4741.6 | 4102.6 | 3542.9 | 3157.3 | 2880.0 | 2735.0 | 2680.8 | 2692.2 |
| 6315.8 | 12.5° | 5883.5 | 5134.8 | 4268.9 | 3428.2 | 2833.3 | 2578.7 | 2499.3 | 2500.6 | 2510.7 | 2518.2 |
| 6424.2 | 15°   | 5878.4 | 4884.0 | 3740.8 | 2838.4 | 2450.2 | 2433.8 | 2519.5 | 2573.7 | 2602.7 | 2611.5 |
| 6514.9 | 17.5° | 5870.9 | 4584.0 | 3202.6 | 2436.3 | 2356.9 | 2467.8 | 2547.2 | 2582.5 | 2605.2 | 2606.5 |
| 6603.2 | 20°   | 5840.6 | 4203.4 | 2706.0 | 2244.7 | 2336.8 | 2432.5 | 2481.7 | 2509.4 | 2528.3 | 2534.6 |
| 6670.0 | 22.5° | 5747.4 | 3779.9 | 2319.1 | 2159.0 | 2256.1 | 2333.0 | 2391.0 | 2422.5 | 2433.8 | 2441.4 |
| 6682.6 | 25°   | 5579.7 | 3306.0 | 2051.9 | 2077.1 | 2143.9 | 2241.0 | 2287.6 | 2293.9 | 2290.1 | 2301.5 |
| 6651.1 | 27.5° | 5360.4 | 2798.1 | 1885.5 | 1966.2 | 2051.9 | 2135.1 | 2160.3 | 2156.5 | 2149.0 | 2161.6 |
| 6596.9 | 30°   | 5095.7 | 2341.8 | 1779.7 | 1841.4 | 1958.6 | 2034.3 | 2056.9 | 2048.1 | 2033.0 | 2046.9 |
| 6569.1 | 32.5° | 4815.9 | 1968.7 | 1692.7 | 1754.5 | 1881.8 | 1956.1 | 1978.8 | 1970.0 | 1958.6 | 1970.0 |
| 6600.6 | 35°   | 4555.0 | 1707.8 | 1612.0 | 1696.5 | 1821.3 | 1894.4 | 1923.3 | 1924.6 | 1924.6 | 1938.5 |
| 6683.8 | 37.5° | 4315.6 | 1555.3 | 1545.2 | 1659.9 | 1779.7 | 1845.2 | 1886.8 | 1889.3 | 1835.1 | 1838.9 |
| 6825.0 | 40°   | 4093.7 | 1491.0 | 1515.0 | 1636.0 | 1739.3 | 1802.4 | 1804.9 | 1663.7 | 1564.1 | 1561.6 |
| 6986.3 | 42.5° | 3912.2 | 1478.4 | 1523.8 | 1633.5 | 1710.3 | 1712.9 | 1535.1 | 1425.5 | 1397.8 | 1399.0 |
| 7135.0 | 45°   | 3742.1 | 1474.7 | 1544.0 | 1633.5 | 1667.5 | 1479.7 | 1360.0 | 1331.0 | 1333.5 | 1343.6 |
| 7201.8 | 47.5° | 3551.8 | 1459.5 | 1547.8 | 1610.8 | 1544.0 | 1315.8 | 1280.6 | 1267.9 | 1262.9 | 1265.4 |
| 7186.7 | 50°   | 3343.8 | 1405.3 | 1499.9 | 1565.4 | 1332.2 | 1245.3 | 1201.1 | 1197.4 | 1203.7 | 1207.4 |
| 7102.3 | 52.5° | 3124.5 | 1317.1 | 1417.9 | 1483.5 | 1235.2 | 1183.5 | 1134.3 | 1143.2 | 1170.9 | 1179.7 |
| 7014.0 | 55°   | 2980.8 | 1213.8 | 1309.5 | 1319.6 | 1167.1 | 1125.5 | 1083.9 | 1104.1 | 1155.8 | 1172.2 |
| 6961.1 | 57.5° | 2943.0 | 1104.1 | 1186.0 | 1174.7 | 1080.2 | 1075.1 | 1049.9 | 1067.5 | 1133.1 | 1157.0 |
| 6958.6 | 60°   | 2931.7 | 1005.8 | 1065.0 | 1056.2 | 995.7  | 1019.7 | 1013.3 | 1022.2 | 1044.9 | 1052.4 |
| 6933.4 | 62.5° | 2843.4 | 927.6  | 956.6  | 944.0  | 920.1  | 961.7  | 976.8  | 957.9  | 975.5  | 984.4  |
| 6760.7 | 65°   | 2619.1 | 864.6  | 850.8  | 841.9  | 852.0  | 889.8  | 920.1  | 882.3  | 898.7  | 923.9  |
| 6095.2 | 67.5° | 2248.5 | 778.9  | 741.1  | 751.2  | 782.7  | 802.9  | 841.9  | 799.1  | 812.9  | 855.8  |
| 4909.2 | 70°   | 1818.7 | 670.5  | 636.5  | 665.5  | 695.7  | 737.3  | 743.6  | 714.6  | 747.4  | 795.3  |
| 2995.9 | 72.5° | 1286.9 | 560.9  | 536.9  | 596.2  | 606.2  | 660.4  | 646.6  | 632.7  | 678.1  | 694.5  |
| 1481.0 | 75°   | 892.4  | 452.5  | 438.6  | 484.0  | 520.5  | 567.2  | 557.1  | 573.5  | 669.3  | 676.8  |
| 739.8  | 77.5° | 564.7  | 351.6  | 342.8  | 371.8  | 422.2  | 473.9  | 490.3  | 676.8  | 1143.2 | 1188.5 |
| 384.4  | 80°   | 327.7  | 262.2  | 252.1  | 274.8  | 318.9  | 366.8  | 472.6  | 830.6  | 753.7  | 744.9  |
| 172.7  | 82.5° | 182.8  | 180.2  | 167.6  | 173.9  | 213.0  | 264.7  | 668.0  | 584.8  | 475.2  | 490.3  |
| 69.3   | 85°   | 85.7   | 105.9  | 90.7   | 87.0   | 119.7  | 310.1  | 446.2  | 334.0  | 221.8  | 216.8  |
| 15.1   | 87.5° | 22.7   | 20.2   | 20.2   | 22.7   | 50.4   | 267.2  | 177.7  | 142.4  | 84.4   | 81.9   |
| 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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