

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: P956575

Luminaire Tested: **GLAN-SB9A-940-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956575  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9A-940-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 29428 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

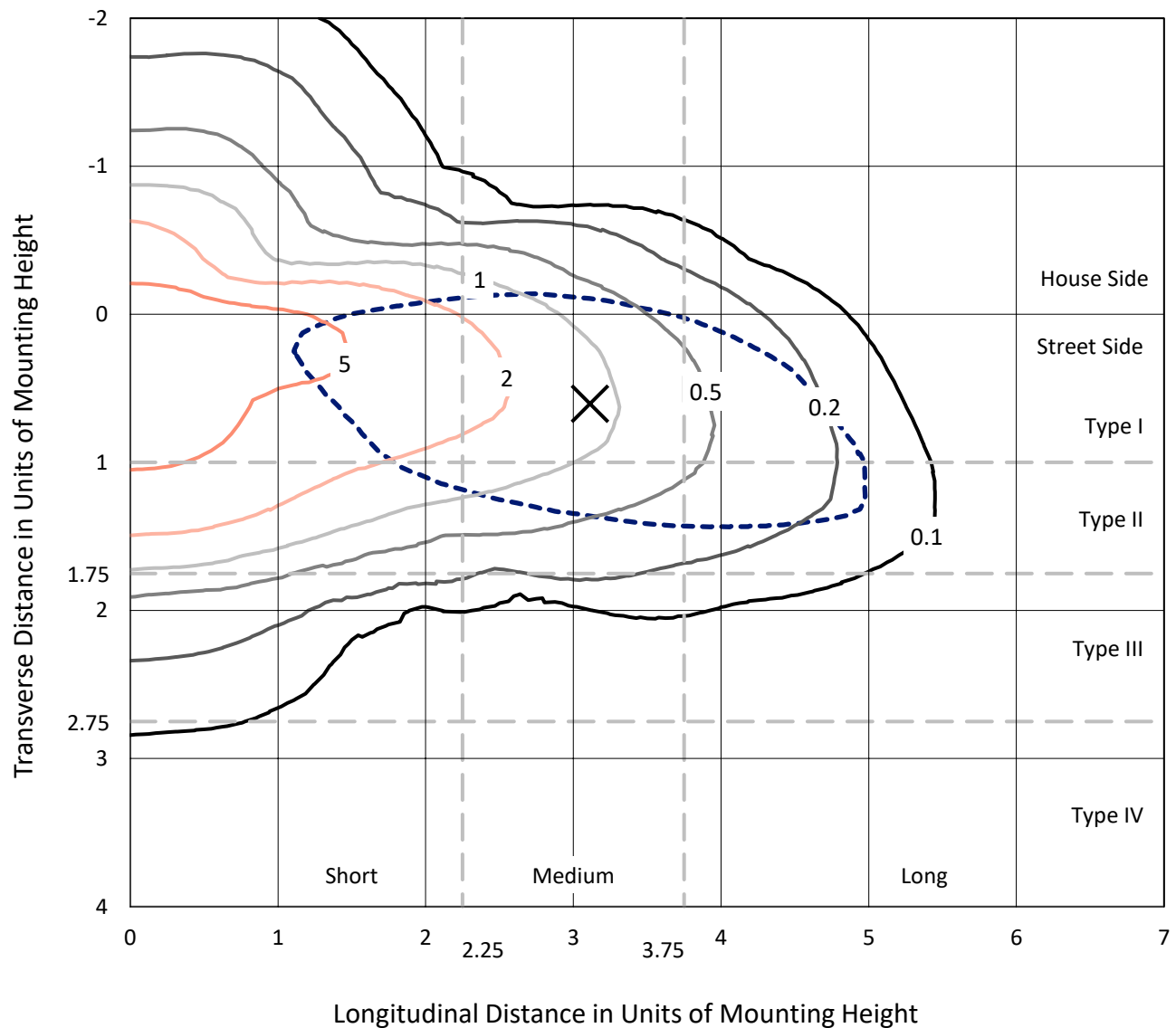
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

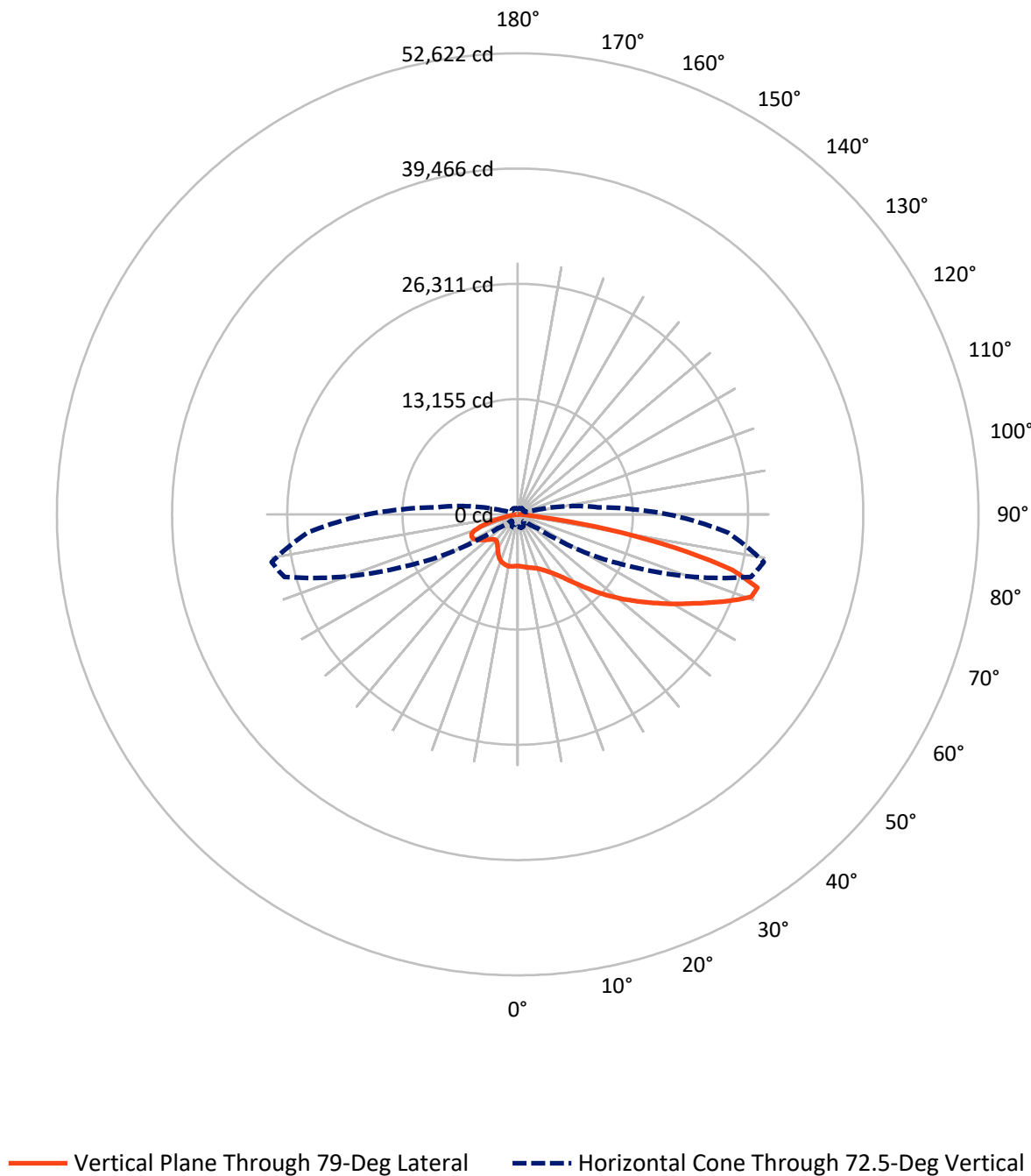
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc  
 Type II - 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    | 6475.8   | 0.0    | 6475.8  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 22952.2  | 0.0    | 22952.2 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 29428.0  | 0.0    | 29428.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 536.2   | 1.8       |
| 10°-20°   | 1402.0  | 4.8       |
| 20°-30°   | 2262.2  | 7.7       |
| 30°-40°   | 3395.2  | 11.5      |
| 40°-50°   | 4816.3  | 16.4      |
| 50°-60°   | 6082.3  | 20.7      |
| 60°-70°   | 6177.4  | 21.0      |
| 70°-80°   | 4210.2  | 14.3      |
| 80°-90°   | 546.2   | 1.9       |
| 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°    | 29428.0 | 100.0     |
| 0°-180°   | 29428.0 | 100.0     |

**Coefficient of Utilization**



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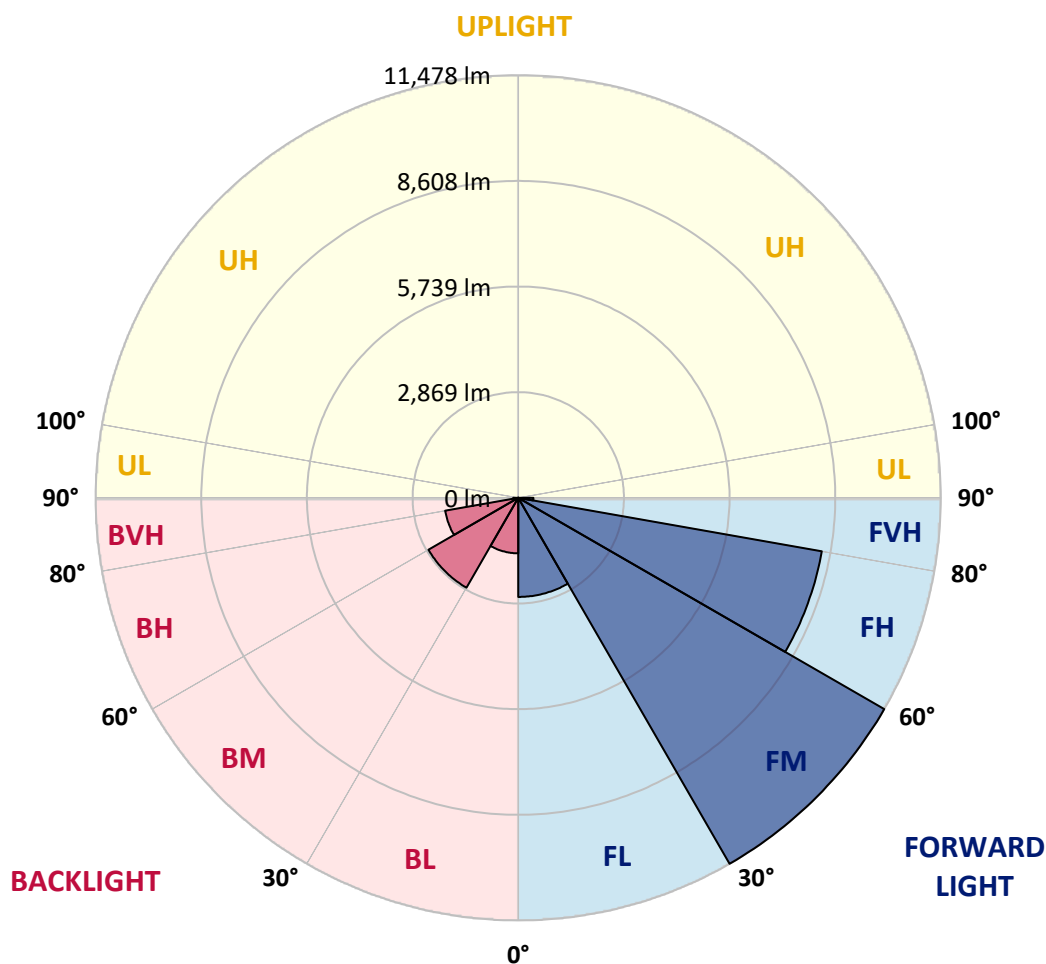
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2691.9  | 9.1       |                         |      |          |
| FM   | (30°-60°)   | 11477.5 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 8371.3  | 28.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 411.5   | 1.4       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1508.4  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2816.3  | 9.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2016.3  | 6.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 134.8   | 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-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 79°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 5907.4 | 5907.4 | 5907.4 | 5907.4 | 5907.4 | 5907.4 | 5907.4  | 5907.4  | 5907.4  | 5907.4  |
| 2.5°  | 5910.5 | 5882.5 | 5899.6 | 5893.4 | 5901.2 | 5910.5 | 5913.6  | 5918.3  | 5933.9  | 5932.3  |
| 5°    | 5898.1 | 5870.0 | 5893.4 | 5885.6 | 5905.8 | 5927.6 | 5946.3  | 5963.4  | 5988.3  | 5999.2  |
| 7.5°  | 5871.6 | 5852.9 | 5876.3 | 5899.6 | 5937.0 | 5969.7 | 5996.1  | 6035.0  | 6070.8  | 6077.1  |
| 10°   | 5717.5 | 5703.5 | 5758.0 | 5818.7 | 5921.4 | 6010.1 | 6067.7  | 6112.9  | 6151.8  | 6158.0  |
| 12.5° | 5557.2 | 5540.0 | 5600.7 | 5683.2 | 5849.8 | 6010.1 | 6131.5  | 6190.7  | 6224.9  | 6245.2  |
| 15°   | 5530.7 | 5516.7 | 5550.9 | 5622.5 | 5761.1 | 5968.1 | 6175.1  | 6284.1  | 6313.7  | 6337.0  |
| 17.5° | 5658.3 | 5631.9 | 5645.9 | 5670.8 | 5751.7 | 5929.2 | 6209.4  | 6389.9  | 6435.1  | 6460.0  |
| 20°   | 5954.1 | 5916.7 | 5894.9 | 5845.1 | 5831.1 | 5935.4 | 6206.3  | 6517.6  | 6576.7  | 6607.9  |
| 22.5° | 6347.9 | 6323.0 | 6276.3 | 6150.2 | 6013.2 | 6011.7 | 6265.4  | 6681.0  | 6791.6  | 6821.1  |
| 25°   | 6824.2 | 6786.9 | 6727.7 | 6556.5 | 6293.4 | 6162.7 | 6365.0  | 6889.6  | 7074.9  | 7082.6  |
| 27.5° | 7372.2 | 7316.1 | 7235.2 | 7009.5 | 6654.6 | 6399.3 | 6517.6  | 7129.3  | 7400.2  | 7397.1  |
| 30°   | 7949.7 | 7893.6 | 7808.0 | 7534.1 | 7087.3 | 6718.4 | 6729.3  | 7387.7  | 7786.2  | 7769.1  |
| 32.5° | 8371.5 | 8329.5 | 8312.4 | 8100.7 | 7585.4 | 7095.1 | 6972.1  | 7674.2  | 8262.6  | 8247.0  |
| 35°   | 8695.3 | 8640.8 | 8661.1 | 8553.7 | 8128.7 | 7516.9 | 7269.4  | 8015.1  | 8841.6  | 8840.1  |
| 37.5° | 9016.0 | 8967.7 | 8984.8 | 8913.2 | 8631.5 | 8052.4 | 7632.1  | 8432.2  | 9559.2  | 9593.5  |
| 40°   | 9308.6 | 9257.2 | 9325.7 | 9258.8 | 9022.2 | 8622.1 | 8044.6  | 8903.9  | 10390.5 | 10455.8 |
| 42.5° | 9484.5 | 9444.0 | 9557.7 | 9559.2 | 9361.5 | 9103.1 | 8497.6  | 9423.8  | 11352.5 | 11498.8 |
| 45°   | 9545.2 | 9531.2 | 9702.4 | 9738.2 | 9662.0 | 9381.8 | 8905.5  | 9990.4  | 12389.2 | 12650.7 |
| 47.5° | 9479.8 | 9453.4 | 9690.0 | 9822.3 | 9883.0 | 9512.5 | 9243.2  | 10603.7 | 13447.7 | 13830.6 |
| 50°   | 9149.8 | 9098.5 | 9450.3 | 9728.9 | 9945.3 | 9598.1 | 9584.1  | 11312.0 | 14651.0 | 15069.7 |
| 52.5° | 8556.8 | 8517.9 | 8917.9 | 9402.0 | 9808.3 | 9640.2 | 9967.1  | 12085.6 | 15793.5 | 16335.2 |
| 55°   | 7798.7 | 7747.3 | 8187.8 | 8819.8 | 9467.4 | 9626.2 | 10350.0 | 12951.1 | 17141.6 | 17691.0 |
| 57.5° | 6597.0 | 6494.2 | 7051.5 | 7798.7 | 8911.7 | 9609.0 | 10748.5 | 13811.9 | 18511.4 | 19169.8 |
| 60°   | 4844.2 | 4691.7 | 5375.0 | 6260.7 | 7825.2 | 9442.5 | 11241.9 | 14777.0 | 20155.2 | 20748.3 |
| 62.5° | 2820.6 | 2731.9 | 3178.6 | 4005.2 | 5898.1 | 8461.8 | 11519.0 | 15899.4 | 21771.0 | 22393.6 |
| 65°   | 2190.2 | 2165.3 | 2204.2 | 2268.0 | 3282.9 | 6335.5 | 10664.4 | 16993.7 | 23825.7 | 24261.6 |
| 67.5° | 2003.4 | 1984.7 | 2001.8 | 1882.0 | 1665.6 | 3528.9 | 8436.9  | 17270.8 | 26026.8 | 26291.4 |
| 70°   | 1780.8 | 1759.0 | 1815.0 | 1712.3 | 1310.7 | 1604.9 | 5451.3  | 16265.2 | 27778.0 | 28274.5 |
| 72.5° | 1450.8 | 1425.9 | 1556.6 | 1509.9 | 1103.6 | 1030.5 | 2738.1  | 13875.8 | 27594.3 | 28624.8 |
| 75°   | 1114.5 | 1100.5 | 1256.2 | 1295.1 | 899.7  | 811.0  | 1313.8  | 10314.2 | 24283.3 | 25321.6 |
| 77.5° | 865.5  | 854.6  | 934.0  | 1075.6 | 725.4  | 628.9  | 807.9   | 6542.5  | 18299.7 | 18481.8 |
| 80°   | 649.1  | 618.0  | 691.1  | 832.8  | 565.1  | 459.2  | 547.9   | 3815.3  | 11567.3 | 10485.4 |
| 82.5° | 406.3  | 390.7  | 451.4  | 555.7  | 398.5  | 316.0  | 356.5   | 2107.7  | 4635.6  | 2730.3  |
| 85°   | 231.9  | 225.7  | 245.9  | 317.6  | 216.4  | 182.1  | 203.9   | 930.9   | 846.8   | 582.2   |
| 87.5° | 93.4   | 90.3   | 112.1  | 141.7  | 79.4   | 66.9   | 71.6    | 224.2   | 186.8   | 172.8   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5907.4  | 0°    | 5907.4  | 5907.4  | 5907.4 | 5907.4 | 5907.4 | 5907.4 | 5907.4 | 5907.4 | 5907.4 | 5907.4 |
| 5930.7  | 2.5°  | 5924.5  | 5924.5  | 5902.7 | 5868.5 | 5829.6 | 5804.7 | 5764.2 | 5753.3 | 5711.3 | 5698.8 |
| 5983.7  | 5°    | 5996.1  | 5983.7  | 5916.7 | 5820.2 | 5687.9 | 5566.5 | 5432.6 | 5348.6 | 5230.3 | 5188.2 |
| 6088.0  | 7.5°  | 6086.4  | 6052.2  | 5937.0 | 5725.3 | 5448.2 | 5175.8 | 4892.5 | 4677.7 | 4472.2 | 4399.0 |
| 6173.6  | 10°   | 6168.9  | 6120.6  | 5924.5 | 5554.0 | 5074.6 | 4602.9 | 4151.5 | 3835.5 | 3595.8 | 3497.7 |
| 6268.5  | 12.5° | 6251.4  | 6162.7  | 5842.0 | 5269.2 | 4543.8 | 3904.0 | 3423.0 | 3177.1 | 3029.2 | 2910.9 |
| 6346.4  | 15°   | 6329.2  | 6204.7  | 5714.4 | 4887.8 | 3961.6 | 3312.5 | 2957.6 | 2761.5 | 2643.1 | 2565.3 |
| 6460.0  | 17.5° | 6419.5  | 6240.5  | 5522.9 | 4403.7 | 3407.5 | 2903.1 | 2613.6 | 2495.3 | 2471.9 | 2462.6 |
| 6615.7  | 20°   | 6545.6  | 6273.2  | 5270.7 | 3862.0 | 2999.6 | 2576.2 | 2426.8 | 2415.9 | 2414.3 | 2409.7 |
| 6802.5  | 22.5° | 6681.0  | 6312.1  | 4937.6 | 3370.1 | 2652.5 | 2372.3 | 2345.8 | 2324.0 | 2310.0 | 2308.5 |
| 7028.2  | 25°   | 6841.4  | 6324.6  | 4520.4 | 2966.9 | 2356.7 | 2275.8 | 2244.7 | 2212.0 | 2202.6 | 2202.6 |
| 7285.0  | 27.5° | 6997.0  | 6282.5  | 4034.8 | 2616.7 | 2190.2 | 2187.1 | 2146.6 | 2135.7 | 2134.1 | 2138.8 |
| 7577.6  | 30°   | 7152.7  | 6203.1  | 3552.2 | 2292.9 | 2093.7 | 2093.7 | 2079.7 | 2087.4 | 2093.7 | 2109.2 |
| 7979.3  | 32.5° | 7362.8  | 6119.1  | 3149.1 | 2053.2 | 2009.6 | 1994.0 | 2008.0 | 2023.6 | 2029.8 | 2050.1 |
| 8507.0  | 35°   | 7671.0  | 6059.9  | 2828.4 | 1922.4 | 1922.4 | 1902.2 | 1910.0 | 1906.9 | 1892.9 | 1883.5 |
| 9145.2  | 37.5° | 8078.9  | 6056.8  | 2563.8 | 1861.7 | 1849.3 | 1846.2 | 1847.7 | 1827.5 | 1773.0 | 1707.6 |
| 9917.3  | 40°   | 8569.2  | 6140.9  | 2359.8 | 1819.7 | 1810.4 | 1829.0 | 1819.7 | 1765.2 | 1615.8 | 1502.1 |
| 10866.8 | 42.5° | 9227.7  | 6380.6  | 2229.1 | 1768.3 | 1796.3 | 1819.7 | 1782.3 | 1594.0 | 1492.8 | 1416.5 |
| 11948.7 | 45°   | 10002.9 | 6769.8  | 2162.2 | 1713.8 | 1769.9 | 1797.9 | 1617.3 | 1534.8 | 1453.9 | 1362.0 |
| 13128.6 | 47.5° | 10880.8 | 7260.1  | 2146.6 | 1662.5 | 1710.7 | 1727.9 | 1547.3 | 1509.9 | 1418.1 | 1318.5 |
| 14314.7 | 50°   | 11836.6 | 7840.7  | 2188.6 | 1601.8 | 1625.1 | 1566.0 | 1523.9 | 1489.7 | 1394.7 | 1296.7 |
| 15530.4 | 52.5° | 12825.0 | 8480.5  | 2272.7 | 1519.3 | 1539.5 | 1474.1 | 1514.6 | 1485.0 | 1380.7 | 1248.4 |
| 16786.6 | 55°   | 13796.4 | 9124.9  | 2353.6 | 1422.8 | 1452.3 | 1391.6 | 1488.1 | 1466.3 | 1316.9 | 1167.5 |
| 18126.9 | 57.5° | 14783.3 | 9766.3  | 2433.0 | 1337.1 | 1368.3 | 1312.2 | 1446.1 | 1416.5 | 1245.3 | 1092.8 |
| 19590.1 | 60°   | 15809.1 | 10388.9 | 2470.4 | 1254.6 | 1276.4 | 1239.1 | 1382.3 | 1330.9 | 1164.4 | 1016.5 |
| 21028.4 | 62.5° | 16769.5 | 10907.3 | 2409.7 | 1172.1 | 1186.1 | 1170.6 | 1298.2 | 1229.7 | 1083.4 | 930.9  |
| 22527.5 | 65°   | 17733.1 | 11215.5 | 2222.9 | 1091.2 | 1094.3 | 1086.5 | 1179.9 | 1120.8 | 988.5  | 856.1  |
| 23839.7 | 67.5° | 18606.3 | 11388.3 | 1925.5 | 1004.0 | 996.2  | 993.1  | 1069.4 | 1002.5 | 896.6  | 781.4  |
| 24837.5 | 70°   | 18791.6 | 10949.3 | 1471.0 | 901.3  | 901.3  | 893.5  | 948.0  | 879.5  | 795.4  | 702.0  |
| 24123.0 | 72.5° | 17163.3 | 9210.5  | 1044.5 | 784.5  | 797.0  | 781.4  | 826.6  | 769.0  | 692.7  | 630.4  |
| 20790.3 | 75°   | 13840.0 | 6754.2  | 759.6  | 664.7  | 686.5  | 660.0  | 702.0  | 661.6  | 596.2  | 594.6  |
| 14327.2 | 77.5° | 9509.4  | 4176.4  | 551.0  | 547.9  | 563.5  | 529.3  | 577.5  | 555.7  | 496.6  | 470.1  |
| 6235.8  | 80°   | 4058.1  | 1665.6  | 401.6  | 423.4  | 423.4  | 392.3  | 448.3  | 454.5  | 403.2  | 390.7  |
| 1203.3  | 82.5° | 807.9   | 473.2   | 281.7  | 291.1  | 274.0  | 264.6  | 317.6  | 351.8  | 485.7  | 540.1  |
| 362.7   | 85°   | 242.8   | 174.3   | 169.7  | 158.8  | 140.1  | 141.7  | 186.8  | 353.4  | 435.9  | 249.1  |
| 119.9   | 87.5° | 66.9    | 43.6    | 45.1   | 35.8   | 29.6   | 38.9   | 63.8   | 267.7  | 146.3  | 62.3   |
| 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°   |
|--------|
| 5907.4 |
| 5719.0 |
| 5219.4 |
| 4408.4 |
| 3519.5 |
| 2949.8 |
| 2579.3 |
| 2468.8 |
| 2425.2 |
| 2325.6 |
| 2212.0 |
| 2151.3 |
| 2120.1 |
| 2067.2 |
| 1905.3 |
| 1709.2 |
| 1499.0 |
| 1413.4 |
| 1355.8 |
| 1310.7 |
| 1285.8 |
| 1239.1 |
| 1159.7 |
| 1089.6 |
| 1011.8 |
| 929.3  |
| 846.8  |
| 772.1  |
| 698.9  |
| 611.8  |
| 535.5  |
| 440.5  |
| 390.7  |
| 541.7  |
| 214.8  |
| 52.9   |
| 0.0    |