

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: P944381

Luminaire Tested: **GLAN-SB9B-760-U-SL4-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944381  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-760-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 37878 lumens  
Efficiency: N/A  
Efficacy: 115.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

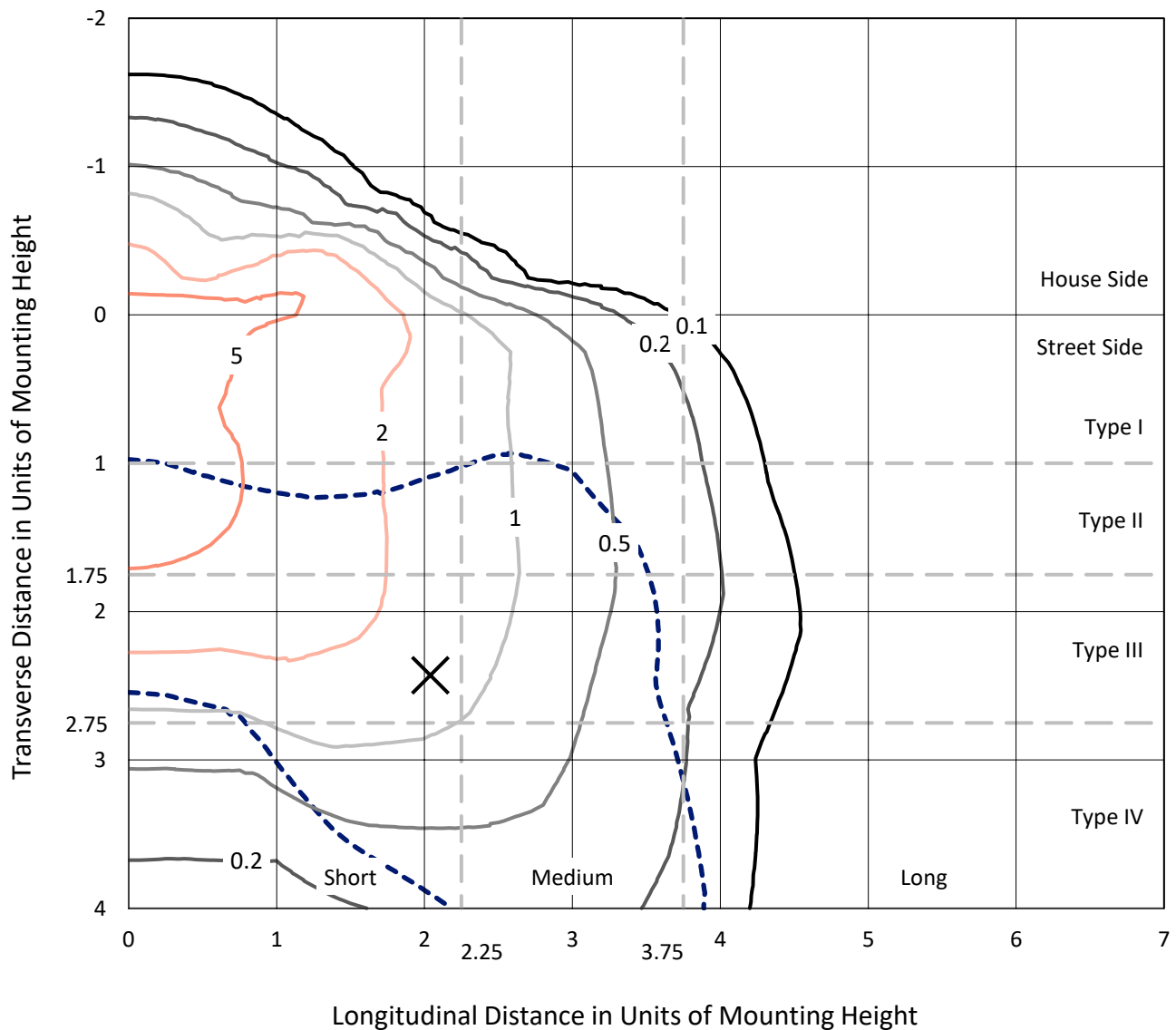
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

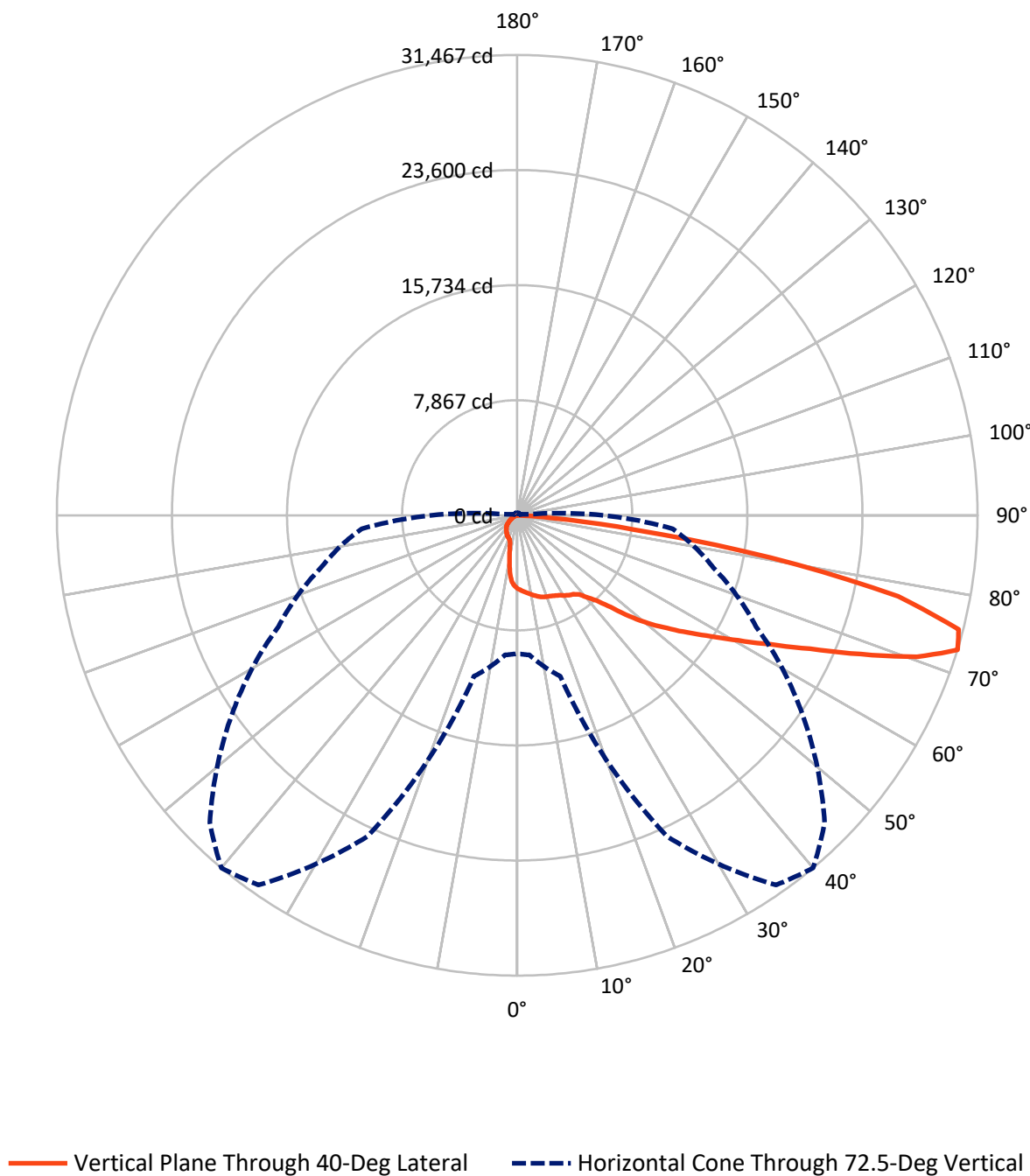
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type IV - 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    | 4891.5   | 0.0    | 4891.5  |
|                    | % Fixture | 12.9     | 0.0    | 12.9    |
| <b>Street Side</b> | Lumens    | 32986.4  | 0.0    | 32986.4 |
|                    | % Fixture | 87.1     | 0.0    | 87.1    |
| <b>Total</b>       | Lumens    | 37878.0  | 0.0    | 37878.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 458.0   | 1.2       |
| 10°-20°   | 1243.9  | 3.3       |
| 20°-30°   | 2012.7  | 5.3       |
| 30°-40°   | 2971.4  | 7.8       |
| 40°-50°   | 5001.0  | 13.2      |
| 50°-60°   | 7765.2  | 20.5      |
| 60°-70°   | 9716.5  | 25.7      |
| 70°-80°   | 7954.9  | 21.0      |
| 80°-90°   | 754.3   | 2.0       |
| 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°    | 37878.0 | 100.0     |
| 0°-180°   | 37878.0 | 100.0     |

**Coefficient of Utilization**



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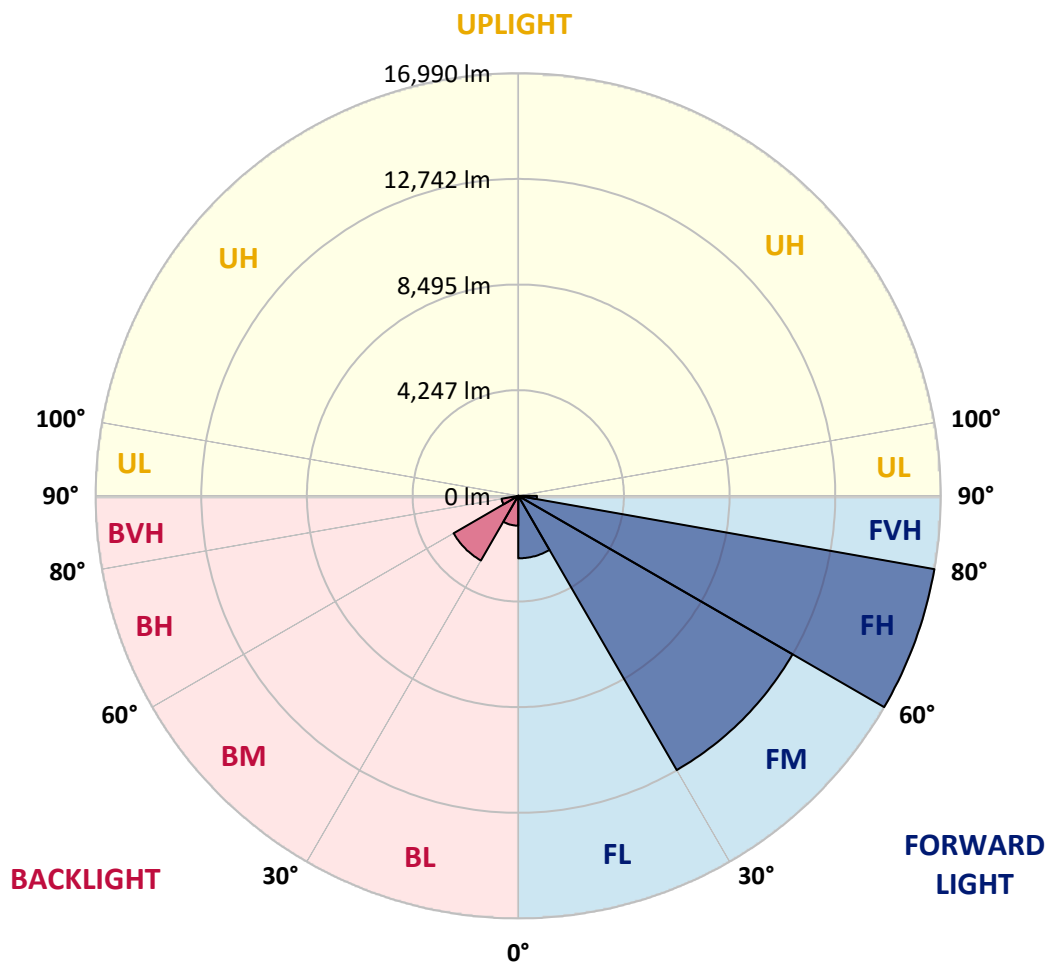
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2514.0  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 12733.9 | 33.6      |                         |      |         |
| FH   | (60°-80°)   | 16990.0 | 44.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 748.6   | 2.0       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1200.6  | 3.2       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3003.7  | 7.9       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 681.4   | 1.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 5.8     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5015.4  | 5015.4  | 5015.4  | 5015.4  | 5015.4  | 5015.4  | 5015.4  | 5015.4  | 5015.4  | 5015.4  |
| 2.5°  | 5166.6  | 5186.5  | 5175.1  | 5152.3  | 5146.6  | 5135.2  | 5120.9  | 5115.2  | 5095.2  | 5078.1  |
| 5°    | 5312.1  | 5332.0  | 5317.8  | 5286.4  | 5272.1  | 5257.8  | 5237.9  | 5220.8  | 5180.8  | 5143.7  |
| 7.5°  | 5471.8  | 5488.9  | 5471.8  | 5426.2  | 5403.3  | 5386.2  | 5357.7  | 5332.0  | 5286.4  | 5232.2  |
| 10°   | 5648.7  | 5663.0  | 5637.3  | 5577.4  | 5540.3  | 5514.6  | 5488.9  | 5460.4  | 5417.6  | 5357.7  |
| 12.5° | 5814.2  | 5831.3  | 5791.3  | 5720.0  | 5677.2  | 5651.5  | 5623.0  | 5600.2  | 5557.4  | 5500.3  |
| 15°   | 5965.4  | 5991.0  | 5922.6  | 5845.5  | 5797.0  | 5777.1  | 5748.5  | 5734.3  | 5705.8  | 5665.8  |
| 17.5° | 6079.5  | 6096.6  | 6025.3  | 5934.0  | 5879.8  | 5865.5  | 5845.5  | 5854.1  | 5848.4  | 5828.4  |
| 20°   | 6176.5  | 6187.9  | 6093.7  | 5982.5  | 5922.6  | 5925.4  | 5919.7  | 5948.2  | 5959.7  | 5959.7  |
| 22.5° | 6296.3  | 6299.1  | 6179.3  | 6039.5  | 5968.2  | 5988.2  | 5996.7  | 6028.1  | 6050.9  | 6073.8  |
| 25°   | 6453.2  | 6447.5  | 6304.9  | 6113.7  | 6050.9  | 6079.5  | 6099.4  | 6110.9  | 6136.5  | 6173.6  |
| 27.5° | 6687.1  | 6670.0  | 6487.4  | 6233.5  | 6159.4  | 6185.0  | 6222.1  | 6216.4  | 6205.0  | 6233.5  |
| 30°   | 6983.8  | 6961.0  | 6718.5  | 6401.9  | 6333.4  | 6356.2  | 6367.6  | 6316.3  | 6233.5  | 6259.2  |
| 32.5° | 7454.6  | 7414.6  | 7078.0  | 6590.1  | 6484.6  | 6510.3  | 6496.0  | 6390.4  | 6267.8  | 6293.4  |
| 35°   | 8273.3  | 8176.3  | 7699.9  | 6983.8  | 6655.8  | 6627.2  | 6593.0  | 6490.3  | 6339.1  | 6313.4  |
| 37.5° | 10013.6 | 9842.4  | 9029.3  | 7751.3  | 7043.7  | 6858.3  | 6752.8  | 6650.1  | 6416.1  | 6313.4  |
| 40°   | 11976.4 | 11802.3 | 10863.7 | 9035.1  | 7688.5  | 7374.7  | 7123.6  | 6838.3  | 6496.0  | 6350.5  |
| 42.5° | 14024.7 | 13833.6 | 12869.3 | 10627.0 | 8610.0  | 7965.2  | 7497.4  | 6989.5  | 6627.2  | 6464.6  |
| 45°   | 16312.7 | 16073.1 | 14812.1 | 12287.3 | 9948.0  | 8946.6  | 8099.3  | 7300.5  | 6855.5  | 6667.2  |
| 47.5° | 18726.3 | 18415.3 | 16749.2 | 13899.2 | 11388.7 | 10304.6 | 9200.5  | 7856.8  | 7192.1  | 6969.6  |
| 50°   | 20865.9 | 20557.8 | 18749.1 | 15585.3 | 12735.2 | 11596.9 | 10455.8 | 8627.1  | 7697.1  | 7397.5  |
| 52.5° | 22403.6 | 22169.7 | 20569.2 | 17325.5 | 14136.0 | 12809.4 | 11594.1 | 9522.9  | 8336.1  | 7945.3  |
| 55°   | 23433.5 | 23219.6 | 21858.7 | 18974.5 | 15765.0 | 14144.6 | 12715.3 | 10495.7 | 9106.4  | 8601.4  |
| 57.5° | 24058.3 | 23935.6 | 22791.6 | 20446.6 | 17379.7 | 15605.2 | 13999.1 | 11565.6 | 10013.6 | 9374.5  |
| 60°   | 24280.8 | 24181.0 | 23370.8 | 21850.2 | 19331.1 | 17359.7 | 15508.2 | 12772.3 | 11114.8 | 10253.2 |
| 62.5° | 23687.4 | 23707.4 | 23787.3 | 23513.4 | 21388.0 | 19413.8 | 17317.0 | 14221.6 | 12335.8 | 11248.9 |
| 65°   | 20894.5 | 21059.9 | 22577.7 | 25356.4 | 24112.5 | 21987.1 | 19619.2 | 15990.4 | 13733.7 | 12381.5 |
| 67.5° | 17299.8 | 17539.5 | 19428.1 | 26434.7 | 27016.7 | 25327.8 | 22825.9 | 18244.1 | 15399.8 | 13534.0 |
| 70°   | 13243.0 | 13499.8 | 15787.8 | 26209.4 | 29735.5 | 28979.5 | 26791.3 | 21111.3 | 17125.8 | 14332.8 |
| 72.5° | 9451.6  | 9582.8  | 11385.8 | 24203.8 | 30851.0 | 31467.2 | 29712.7 | 23827.2 | 18007.3 | 13890.6 |
| 75°   | 6641.5  | 6618.7  | 7814.0  | 19490.8 | 29113.6 | 31164.8 | 28688.5 | 22358.0 | 16295.6 | 11034.9 |
| 77.5° | 2892.8  | 2898.5  | 3902.7  | 11836.6 | 23236.7 | 26617.3 | 23847.2 | 14004.8 | 11360.1 | 5848.4  |
| 80°   | 750.3   | 773.1   | 1432.1  | 4712.9  | 13990.5 | 17568.0 | 14544.0 | 6156.5  | 5249.3  | 1426.4  |
| 82.5° | 265.3   | 282.4   | 659.0   | 1480.6  | 5160.9  | 8056.5  | 6476.0  | 1968.5  | 1369.4  | 408.0   |
| 85°   | 77.0    | 91.3    | 353.8   | 453.6   | 1067.0  | 2276.6  | 1571.9  | 382.3   | 336.6   | 211.1   |
| 87.5° | 0.0     | 11.4    | 71.3    | 62.8    | 62.8    | 42.8    | 79.9    | 42.8    | 54.2    | 25.7    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5015.4  | 0°    | 5015.4  | 5015.4  | 5015.4 | 5015.4 | 5015.4 | 5015.4 | 5015.4 | 5015.4 | 5015.4 | 5015.4 |
| 5058.1  | 2.5°  | 5041.0  | 5021.1  | 4978.3 | 4932.6 | 4889.8 | 4849.9 | 4838.5 | 4795.7 | 4775.7 | 4778.6 |
| 5098.1  | 5°    | 5066.7  | 5029.6  | 4946.9 | 4847.0 | 4744.3 | 4627.4 | 4530.4 | 4393.4 | 4276.5 | 4262.2 |
| 5175.1  | 7.5°  | 5135.2  | 5075.3  | 4941.2 | 4747.2 | 4490.4 | 4168.1 | 3868.5 | 3571.8 | 3403.5 | 3312.2 |
| 5289.2  | 10°   | 5240.7  | 5160.9  | 4955.4 | 4584.6 | 4039.7 | 3463.4 | 3009.8 | 2636.1 | 2444.9 | 2356.5 |
| 5429.0  | 12.5° | 5366.3  | 5277.8  | 4978.3 | 4307.8 | 3457.7 | 2701.7 | 2211.0 | 1982.7 | 1942.8 | 1937.1 |
| 5600.2  | 15°   | 5543.1  | 5446.1  | 5003.9 | 3934.1 | 2827.2 | 2056.9 | 1831.5 | 1834.4 | 1865.8 | 1882.9 |
| 5785.6  | 17.5° | 5740.0  | 5643.0  | 4966.9 | 3477.7 | 2205.3 | 1757.4 | 1751.7 | 1777.3 | 1823.0 | 1840.1 |
| 5956.8  | 20°   | 5939.7  | 5848.4  | 4835.6 | 2941.3 | 1783.0 | 1674.6 | 1697.5 | 1726.0 | 1771.6 | 1794.5 |
| 6125.1  | 22.5° | 6145.1  | 6065.2  | 4627.4 | 2370.7 | 1609.0 | 1614.7 | 1643.3 | 1671.8 | 1723.1 | 1748.8 |
| 6290.6  | 25°   | 6364.8  | 6296.3  | 4350.6 | 1900.0 | 1534.8 | 1552.0 | 1589.1 | 1623.3 | 1677.5 | 1708.9 |
| 6430.4  | 27.5° | 6587.3  | 6535.9  | 4036.8 | 1586.2 | 1466.4 | 1486.3 | 1529.1 | 1574.8 | 1629.0 | 1666.1 |
| 6553.1  | 30°   | 6829.8  | 6801.3  | 3785.8 | 1469.2 | 1400.8 | 1417.9 | 1466.4 | 1517.7 | 1577.6 | 1623.3 |
| 6675.7  | 32.5° | 7078.0  | 7072.3  | 3663.1 | 1554.8 | 1340.9 | 1352.3 | 1395.1 | 1446.4 | 1520.6 | 1577.6 |
| 6778.4  | 35°   | 7323.3  | 7334.7  | 3591.8 | 1797.3 | 1320.9 | 1289.5 | 1318.0 | 1363.7 | 1452.1 | 1523.4 |
| 6895.4  | 37.5° | 7637.1  | 7665.7  | 3588.9 | 2059.8 | 1369.4 | 1226.7 | 1246.7 | 1278.1 | 1355.1 | 1437.8 |
| 7078.0  | 40°   | 8105.0  | 8256.2  | 3771.5 | 2285.2 | 1455.0 | 1169.7 | 1175.4 | 1181.1 | 1221.0 | 1289.5 |
| 7320.5  | 42.5° | 8726.9  | 9169.1  | 4430.5 | 2439.2 | 1489.2 | 1118.3 | 1098.4 | 1067.0 | 1061.3 | 1098.4 |
| 7651.4  | 45°   | 9500.1  | 10273.2 | 5588.8 | 2524.8 | 1455.0 | 1061.3 | 1007.1 | 924.3  | 892.9  | 918.6  |
| 8099.3  | 47.5° | 10410.1 | 11482.8 | 6961.0 | 2544.8 | 1397.9 | 989.9  | 892.9  | 784.5  | 758.9  | 767.4  |
| 8701.3  | 50°   | 11297.4 | 12390.0 | 8167.8 | 2379.3 | 1303.8 | 898.7  | 767.4  | 676.1  | 659.0  | 661.9  |
| 9411.6  | 52.5° | 12081.9 | 12701.0 | 8510.1 | 1988.5 | 1178.2 | 787.4  | 659.0  | 596.3  | 584.8  | 584.8  |
| 10196.2 | 55°   | 12601.1 | 12364.4 | 7588.6 | 1520.6 | 1021.3 | 673.3  | 564.9  | 533.5  | 527.8  | 524.9  |
| 11072.0 | 57.5° | 12709.6 | 11268.9 | 5731.4 | 1098.4 | 798.8  | 567.7  | 502.1  | 485.0  | 473.6  | 462.2  |
| 11970.7 | 60°   | 12321.6 | 9443.0  | 3648.8 | 767.4  | 599.1  | 485.0  | 445.0  | 433.6  | 410.8  | 388.0  |
| 12815.1 | 62.5° | 11482.8 | 7132.2  | 2019.8 | 533.5  | 482.1  | 413.7  | 393.7  | 379.4  | 336.6  | 299.6  |
| 13485.5 | 65°   | 10355.9 | 4741.5  | 892.9  | 416.5  | 393.7  | 348.1  | 336.6  | 316.7  | 265.3  | 222.5  |
| 13739.4 | 67.5° | 9223.3  | 2730.2  | 402.3  | 333.8  | 316.7  | 285.3  | 276.7  | 262.5  | 225.4  | 185.4  |
| 13091.8 | 70°   | 7931.0  | 1383.6  | 276.7  | 265.3  | 245.3  | 216.8  | 225.4  | 222.5  | 185.4  | 151.2  |
| 10678.3 | 72.5° | 5905.5  | 687.5   | 208.3  | 199.7  | 176.9  | 154.1  | 185.4  | 182.6  | 145.5  | 114.1  |
| 6584.4  | 75°   | 3343.6  | 339.5   | 151.2  | 139.8  | 105.6  | 114.1  | 148.3  | 139.8  | 99.9   | 74.2   |
| 2778.7  | 77.5° | 1326.6  | 174.0   | 99.9   | 85.6   | 62.8   | 77.0   | 108.4  | 94.1   | 51.4   | 31.4   |
| 530.6   | 80°   | 305.3   | 85.6    | 51.4   | 37.1   | 28.5   | 45.6   | 57.1   | 34.2   | 14.3   | 2.9    |
| 142.6   | 82.5° | 85.6    | 37.1    | 17.1   | 14.3   | 14.3   | 17.1   | 14.3   | 5.7    | 0.0    | 0.0    |
| 37.1    | 85°   | 28.5    | 17.1    | 5.7    | 2.9    | 2.9    | 2.9    | 2.9    | 0.0    | 0.0    | 0.0    |
| 11.4    | 87.5° | 11.4    | 5.7     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O

| 180°   |
|--------|
| 5015.4 |
| 4775.7 |
| 4253.6 |
| 3306.5 |
| 2339.4 |
| 1934.2 |
| 1880.0 |
| 1837.3 |
| 1794.5 |
| 1748.8 |
| 1708.9 |
| 1668.9 |
| 1629.0 |
| 1583.3 |
| 1534.8 |
| 1452.1 |
| 1312.3 |
| 1118.3 |
| 918.6  |
| 764.6  |
| 661.9  |
| 582.0  |
| 519.2  |
| 456.5  |
| 379.4  |
| 288.1  |
| 214.0  |
| 179.7  |
| 145.5  |
| 108.4  |
| 68.5   |
| 28.5   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |