

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: P956658

Luminaire Tested: **GLAN-SB9B-730-U-SL2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956658  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-730-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 41571 lumens  
Efficiency: N/A  
Efficacy: 126.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - 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



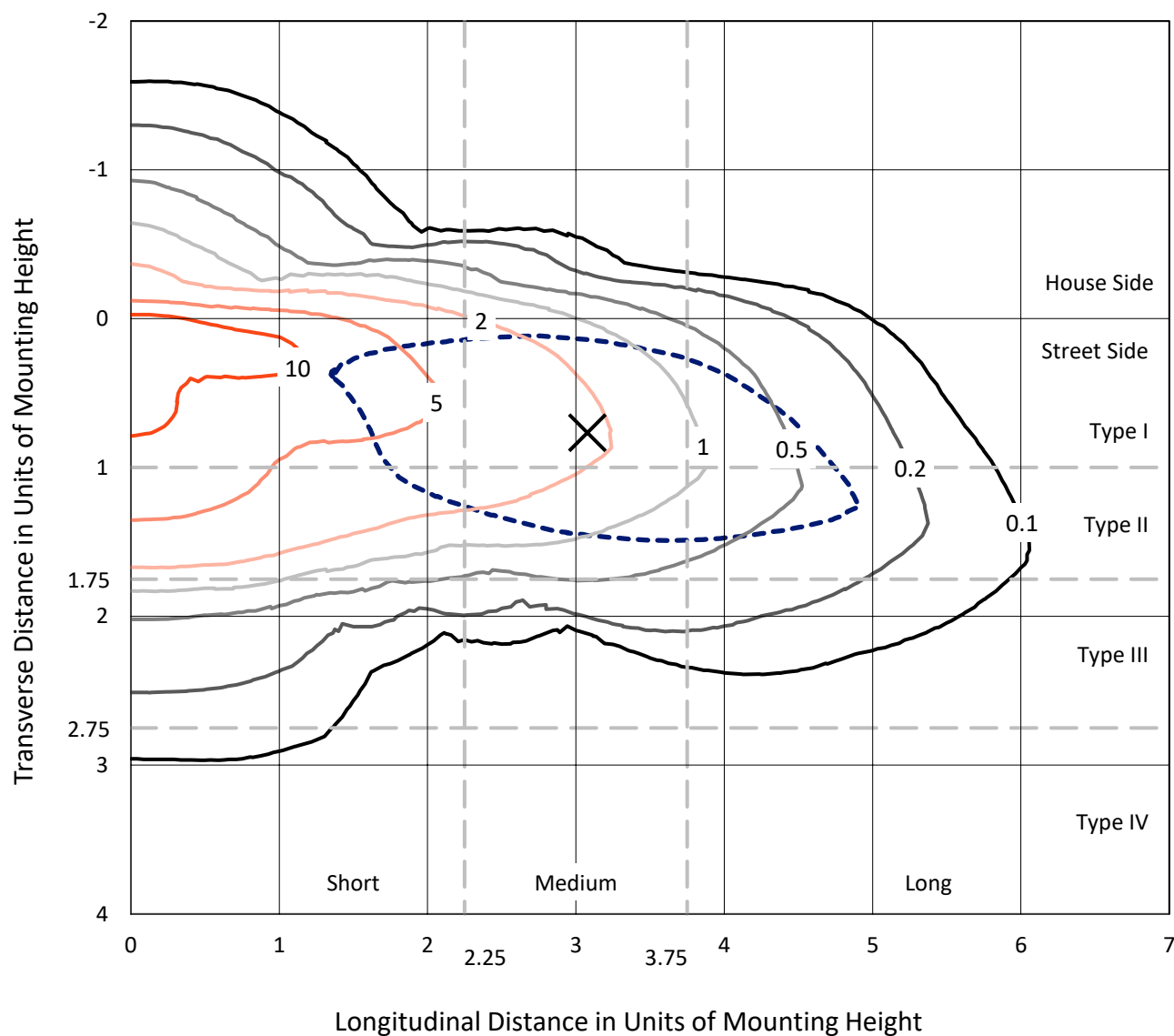
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

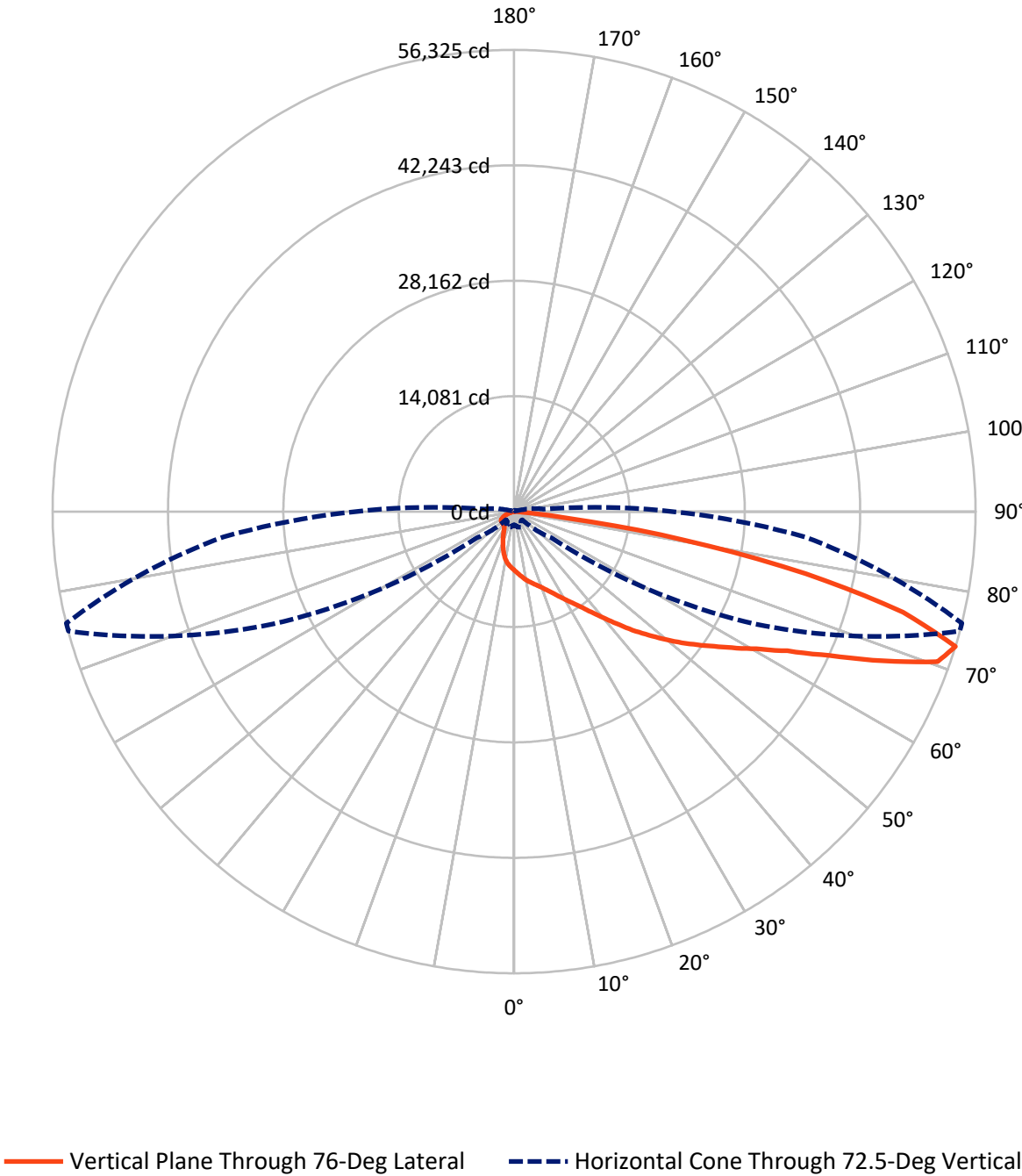
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 fc  
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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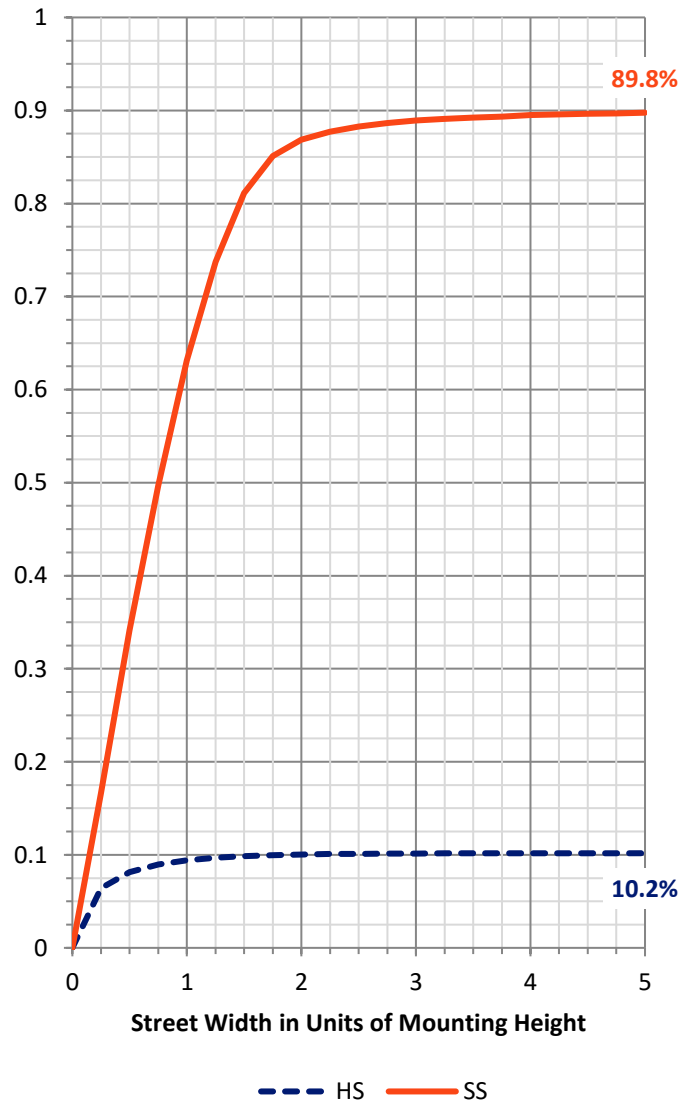
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4254.8   | 0.0    | 4254.8  |
|                    | % Fixture | 10.2     | 0.0    | 10.2    |
| <b>Street Side</b> | Lumens    | 37316.2  | 0.0    | 37316.2 |
|                    | % Fixture | 89.8     | 0.0    | 89.8    |
| <b>Total</b>       | Lumens    | 41571.0  | 0.0    | 41571.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 653.4   | 1.6       |
| 10°-20°   | 1751.9  | 4.2       |
| 20°-30°   | 2772.7  | 6.7       |
| 30°-40°   | 4289.9  | 10.3      |
| 40°-50°   | 6515.6  | 15.7      |
| 50°-60°   | 8982.4  | 21.6      |
| 60°-70°   | 9489.3  | 22.8      |
| 70°-80°   | 6509.9  | 15.7      |
| 80°-90°   | 605.9   | 1.5       |
| 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°    | 41571.0 | 100.0     |
| 0°-180°   | 41571.0 | 100.0     |

**Coefficient of Utilization**



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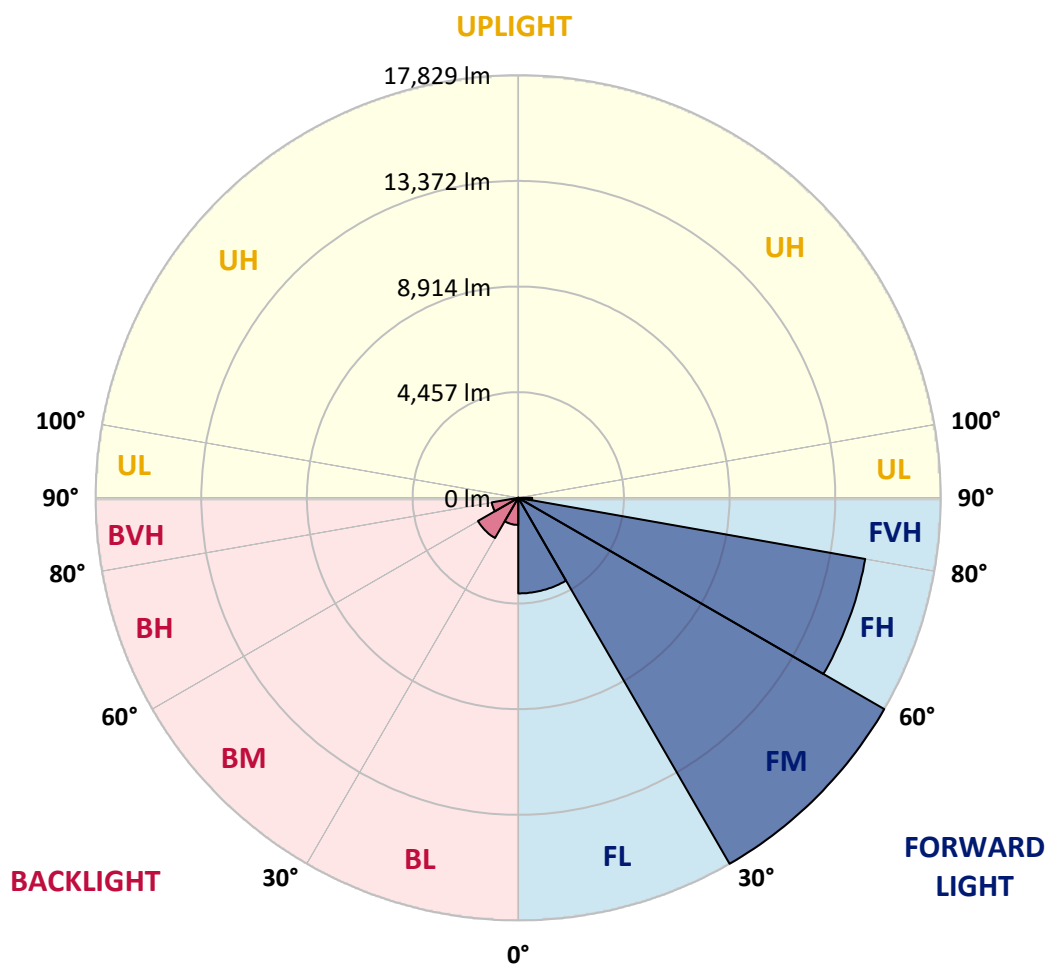
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4034.4  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 17828.9 | 42.9      |                         |      |         |
| FH   | (60°-80°)   | 14863.4 | 35.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 589.5   | 1.4       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1143.7  | 2.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1958.9  | 4.7       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1135.8  | 2.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 16.4    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 76°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7183.8  | 7183.8  | 7183.8  | 7183.8  | 7183.8  | 7183.8  | 7183.8  | 7183.8  | 7183.8  | 7183.8  |
| 2.5°  | 8351.5  | 8240.9  | 8262.5  | 8151.9  | 8100.7  | 7976.6  | 7847.2  | 7677.3  | 7488.5  | 7488.5  |
| 5°    | 9230.6  | 9160.5  | 9160.5  | 9031.0  | 8931.2  | 8737.1  | 8505.2  | 8205.9  | 7849.9  | 7814.8  |
| 7.5°  | 9769.9  | 9726.8  | 9753.7  | 9678.2  | 9597.3  | 9395.1  | 9120.0  | 8729.0  | 8224.7  | 8181.6  |
| 10°   | 9875.1  | 9872.4  | 9947.9  | 9969.5  | 10023.4 | 9920.9  | 9675.5  | 9225.2  | 8594.2  | 8532.1  |
| 12.5° | 9467.9  | 9416.6  | 9602.7  | 9821.1  | 10128.6 | 10266.1 | 10139.3 | 9678.2  | 8931.2  | 8845.0  |
| 15°   | 8799.1  | 8809.9  | 8987.9  | 9325.0  | 9837.3  | 10328.1 | 10492.6 | 10120.5 | 9273.7  | 9171.2  |
| 17.5° | 8416.2  | 8375.7  | 8529.5  | 8831.5  | 9397.8  | 10090.8 | 10657.1 | 10533.0 | 9637.8  | 9521.8  |
| 20°   | 8370.3  | 8367.7  | 8402.7  | 8540.2  | 8971.7  | 9751.0  | 10638.2 | 10934.8 | 10066.5 | 9931.7  |
| 22.5° | 8688.6  | 8683.2  | 8653.5  | 8626.5  | 8745.2  | 9419.3  | 10557.3 | 11317.8 | 10578.9 | 10433.3 |
| 25°   | 9176.6  | 9168.6  | 9122.7  | 8958.2  | 8842.3  | 9241.4  | 10481.8 | 11673.7 | 11185.6 | 11023.8 |
| 27.5° | 9772.6  | 9767.2  | 9683.6  | 9435.5  | 9136.2  | 9257.5  | 10444.1 | 12040.5 | 11886.8 | 11727.7 |
| 30°   | 10503.4 | 10492.6 | 10320.0 | 9969.5  | 9578.4  | 9513.7  | 10495.3 | 12453.1 | 12617.5 | 12496.2 |
| 32.5° | 11420.2 | 11390.6 | 11164.1 | 10635.5 | 10088.1 | 9856.2  | 10592.4 | 12876.4 | 13483.2 | 13369.9 |
| 35°   | 12129.5 | 12083.6 | 11951.5 | 11485.0 | 10678.7 | 10276.9 | 10818.9 | 13378.0 | 14524.1 | 14424.3 |
| 37.5° | 12738.9 | 12693.1 | 12585.2 | 12202.3 | 11525.4 | 10813.5 | 11182.9 | 14046.8 | 15753.7 | 15705.2 |
| 40°   | 13396.9 | 13321.4 | 13270.1 | 12860.2 | 12248.1 | 11587.4 | 11703.4 | 14828.8 | 17169.5 | 17174.9 |
| 42.5° | 13903.8 | 13874.2 | 13879.6 | 13564.1 | 12946.5 | 12504.3 | 12393.7 | 15710.6 | 18865.6 | 18916.9 |
| 45°   | 14338.0 | 14313.7 | 14413.5 | 14192.4 | 13650.4 | 13105.6 | 13202.7 | 16708.3 | 20720.9 | 20826.1 |
| 47.5° | 14672.4 | 14699.3 | 14842.3 | 14699.3 | 14381.1 | 13529.0 | 13920.0 | 17784.3 | 22670.6 | 22684.1 |
| 50°   | 15006.8 | 15017.5 | 15254.9 | 15184.7 | 15055.3 | 14065.6 | 14580.7 | 18987.0 | 24725.4 | 24749.7 |
| 52.5° | 15111.9 | 15095.8 | 15473.3 | 15645.9 | 15651.3 | 14729.0 | 15435.5 | 20297.6 | 26739.8 | 26818.0 |
| 55°   | 14572.6 | 14618.4 | 15227.9 | 15929.0 | 16206.8 | 15645.9 | 16589.7 | 21956.0 | 28886.3 | 28918.7 |
| 57.5° | 11935.3 | 12188.8 | 13537.1 | 15163.2 | 16565.4 | 16959.1 | 18248.1 | 23894.9 | 31364.5 | 31334.9 |
| 60°   | 7243.2  | 7545.2  | 9157.8  | 12717.3 | 15395.1 | 18277.8 | 20691.3 | 26898.9 | 34072.0 | 33988.4 |
| 62.5° | 4050.3  | 4142.0  | 4657.1  | 7612.6  | 11708.8 | 17439.1 | 23077.8 | 30757.8 | 37707.0 | 37423.9 |
| 65°   | 2985.2  | 3014.8  | 3136.2  | 3729.4  | 5754.6  | 13413.1 | 22554.6 | 35371.7 | 42814.4 | 42310.2 |
| 67.5° | 2594.2  | 2623.8  | 2742.5  | 2823.4  | 2569.9  | 7046.3  | 18582.5 | 37930.8 | 49299.8 | 48639.2 |
| 70°   | 2184.3  | 2200.5  | 2391.9  | 2445.8  | 1839.1  | 2680.5  | 11938.0 | 37140.7 | 55302.6 | 54830.6 |
| 72.5° | 1628.8  | 1693.5  | 1971.2  | 2100.7  | 1475.1  | 1423.8  | 5619.8  | 32472.9 | 56319.2 | 56324.6 |
| 75°   | 1105.6  | 1164.9  | 1483.1  | 1728.5  | 1138.0  | 997.8   | 2267.9  | 24248.1 | 49041.0 | 49041.0 |
| 77.5° | 755.1   | 803.6   | 1032.8  | 1356.4  | 862.9   | 684.9   | 1175.7  | 15389.7 | 35183.0 | 36420.7 |
| 80°   | 334.4   | 364.0   | 666.1   | 984.3   | 655.3   | 442.2   | 666.1   | 8427.0  | 21276.4 | 21014.9 |
| 82.5° | 164.5   | 188.8   | 426.1   | 614.8   | 423.4   | 272.4   | 350.6   | 4007.2  | 6895.3  | 6552.8  |
| 85°   | 32.4    | 43.1    | 229.2   | 261.6   | 196.9   | 121.3   | 132.1   | 1232.4  | 830.6   | 949.2   |
| 87.5° | 0.0     | 0.0     | 70.1    | 48.5    | 21.6    | 27.0    | 27.0    | 110.6   | 64.7    | 75.5    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7183.8  | 0°    | 7183.8  | 7183.8 | 7183.8 | 7183.8 | 7183.8 | 7183.8 | 7183.8 | 7183.8 | 7183.8 | 7183.8 |
| 7305.2  | 2.5°  | 7208.1  | 7108.3 | 6889.9 | 6674.2 | 6453.0 | 6250.8 | 6110.6 | 5970.3 | 5884.1 | 5846.3 |
| 7467.0  | 5°    | 7264.7  | 7062.5 | 6604.1 | 6124.1 | 5649.4 | 5185.6 | 4837.8 | 4511.5 | 4409.0 | 4239.1 |
| 7658.4  | 7.5°  | 7353.7  | 7024.7 | 6302.0 | 5493.0 | 4721.8 | 4042.3 | 3551.5 | 3160.5 | 3004.0 | 2853.0 |
| 7822.9  | 10°   | 7413.0  | 6954.6 | 5902.9 | 4821.6 | 3778.0 | 3014.8 | 2545.6 | 2262.5 | 2160.0 | 2068.3 |
| 7976.6  | 12.5° | 7437.3  | 6825.2 | 5444.5 | 4069.2 | 2939.3 | 2297.5 | 2017.1 | 1884.9 | 1849.9 | 1817.5 |
| 8122.3  | 15°   | 7458.9  | 6698.4 | 4932.1 | 3343.8 | 2321.8 | 1922.7 | 1812.1 | 1769.0 | 1744.7 | 1723.1 |
| 8270.6  | 17.5° | 7477.8  | 6536.6 | 4347.0 | 2718.2 | 1960.5 | 1771.7 | 1717.8 | 1671.9 | 1653.0 | 1628.8 |
| 8483.6  | 20°   | 7542.5  | 6380.2 | 3823.8 | 2243.6 | 1763.6 | 1663.8 | 1604.5 | 1556.0 | 1539.8 | 1523.6 |
| 8785.6  | 22.5° | 7663.8  | 6253.5 | 3316.9 | 1922.7 | 1644.9 | 1553.3 | 1477.8 | 1423.8 | 1413.0 | 1402.2 |
| 9152.4  | 25°   | 7809.4  | 6097.1 | 2839.6 | 1715.1 | 1529.0 | 1426.5 | 1342.9 | 1297.1 | 1286.3 | 1289.0 |
| 9575.7  | 27.5° | 7995.5  | 5924.5 | 2429.7 | 1582.9 | 1426.5 | 1307.9 | 1213.5 | 1178.4 | 1183.8 | 1194.6 |
| 10063.8 | 30°   | 8200.5  | 5765.4 | 2108.8 | 1491.2 | 1334.8 | 1202.7 | 1108.3 | 1084.0 | 1102.9 | 1119.1 |
| 10716.4 | 32.5° | 8505.2  | 5625.2 | 1884.9 | 1418.4 | 1253.9 | 1116.4 | 1040.9 | 1011.2 | 1032.8 | 1054.4 |
| 11549.7 | 35°   | 8920.5  | 5555.1 | 1758.2 | 1356.4 | 1183.8 | 1049.0 | 973.5  | 951.9  | 973.5  | 978.9  |
| 12566.3 | 37.5° | 9430.1  | 5549.7 | 1704.3 | 1305.2 | 1119.1 | 992.4  | 908.8  | 900.7  | 916.9  | 919.6  |
| 13787.9 | 40°   | 10088.1 | 5584.7 | 1663.8 | 1267.4 | 1051.7 | 927.6  | 849.4  | 841.3  | 846.7  | 865.6  |
| 15257.5 | 42.5° | 10921.4 | 5730.3 | 1607.2 | 1218.9 | 978.9  | 862.9  | 800.9  | 782.0  | 779.3  | 800.9  |
| 16902.5 | 45°   | 11967.7 | 6051.2 | 1531.7 | 1140.7 | 914.2  | 809.0  | 747.0  | 725.4  | 717.3  | 722.7  |
| 18601.4 | 47.5° | 13108.3 | 6445.0 | 1456.2 | 1067.9 | 868.3  | 765.8  | 703.8  | 676.9  | 663.4  | 663.4  |
| 20189.7 | 50°   | 14214.0 | 6889.9 | 1404.9 | 992.4  | 836.0  | 725.4  | 658.0  | 631.0  | 609.4  | 604.0  |
| 21823.9 | 52.5° | 15308.8 | 7326.8 | 1364.5 | 916.9  | 798.2  | 674.2  | 614.8  | 585.2  | 560.9  | 550.1  |
| 23441.8 | 55°   | 16306.5 | 7742.0 | 1294.4 | 844.0  | 749.7  | 620.2  | 571.7  | 542.0  | 512.4  | 493.5  |
| 25081.4 | 57.5° | 17263.8 | 8087.2 | 1164.9 | 768.5  | 674.2  | 569.0  | 525.8  | 493.5  | 458.4  | 434.2  |
| 26739.8 | 60°   | 18134.9 | 8265.2 | 1003.1 | 687.6  | 598.7  | 515.1  | 474.6  | 444.9  | 399.1  | 358.7  |
| 28371.3 | 62.5° | 18798.2 | 8195.1 | 827.9  | 596.0  | 520.5  | 466.5  | 415.3  | 385.6  | 331.7  | 283.1  |
| 30326.3 | 65°   | 19477.8 | 7812.1 | 660.7  | 498.9  | 455.7  | 401.8  | 347.9  | 318.2  | 256.2  | 204.9  |
| 32971.7 | 67.5° | 20359.6 | 6995.1 | 520.5  | 415.3  | 393.7  | 318.2  | 272.4  | 253.5  | 210.3  | 161.8  |
| 35811.3 | 70°   | 20925.9 | 5433.7 | 404.5  | 337.1  | 323.6  | 231.9  | 210.3  | 207.6  | 167.2  | 124.0  |
| 35619.8 | 72.5° | 19372.6 | 3562.3 | 310.1  | 256.2  | 231.9  | 151.0  | 161.8  | 161.8  | 121.3  | 83.6   |
| 31224.3 | 75°   | 16171.7 | 2084.5 | 223.8  | 183.4  | 132.1  | 97.1   | 110.6  | 110.6  | 75.5   | 40.4   |
| 22255.3 | 77.5° | 11549.7 | 1111.0 | 148.3  | 113.3  | 67.4   | 43.1   | 59.3   | 56.6   | 24.3   | 2.7    |
| 8723.6  | 80°   | 4417.1  | 382.9  | 70.1   | 45.8   | 18.9   | 8.1    | 5.4    | 2.7    | 2.7    | 0.0    |
| 1361.8  | 82.5° | 674.2   | 99.8   | 13.5   | 10.8   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 288.5   | 85°   | 121.3   | 13.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75.5    | 87.5° | 27.0    | 0.0    | 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    |

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| 180°   |
|--------|
| 7183.8 |
| 5851.7 |
| 4249.9 |
| 2850.3 |
| 2065.6 |
| 1817.5 |
| 1723.1 |
| 1628.8 |
| 1526.3 |
| 1394.2 |
| 1283.6 |
| 1189.2 |
| 1113.7 |
| 1049.0 |
| 976.2  |
| 914.2  |
| 862.9  |
| 798.2  |
| 730.8  |
| 663.4  |
| 601.3  |
| 544.7  |
| 485.4  |
| 423.4  |
| 347.9  |
| 264.3  |
| 191.5  |
| 151.0  |
| 110.6  |
| 72.8   |
| 32.4   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |