

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: P954245

Luminaire Tested: **GLAN-SB7C-760-U-SL3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-760-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45377 lumens  
Efficiency: N/A  
Efficacy: 129.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 350.5  
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

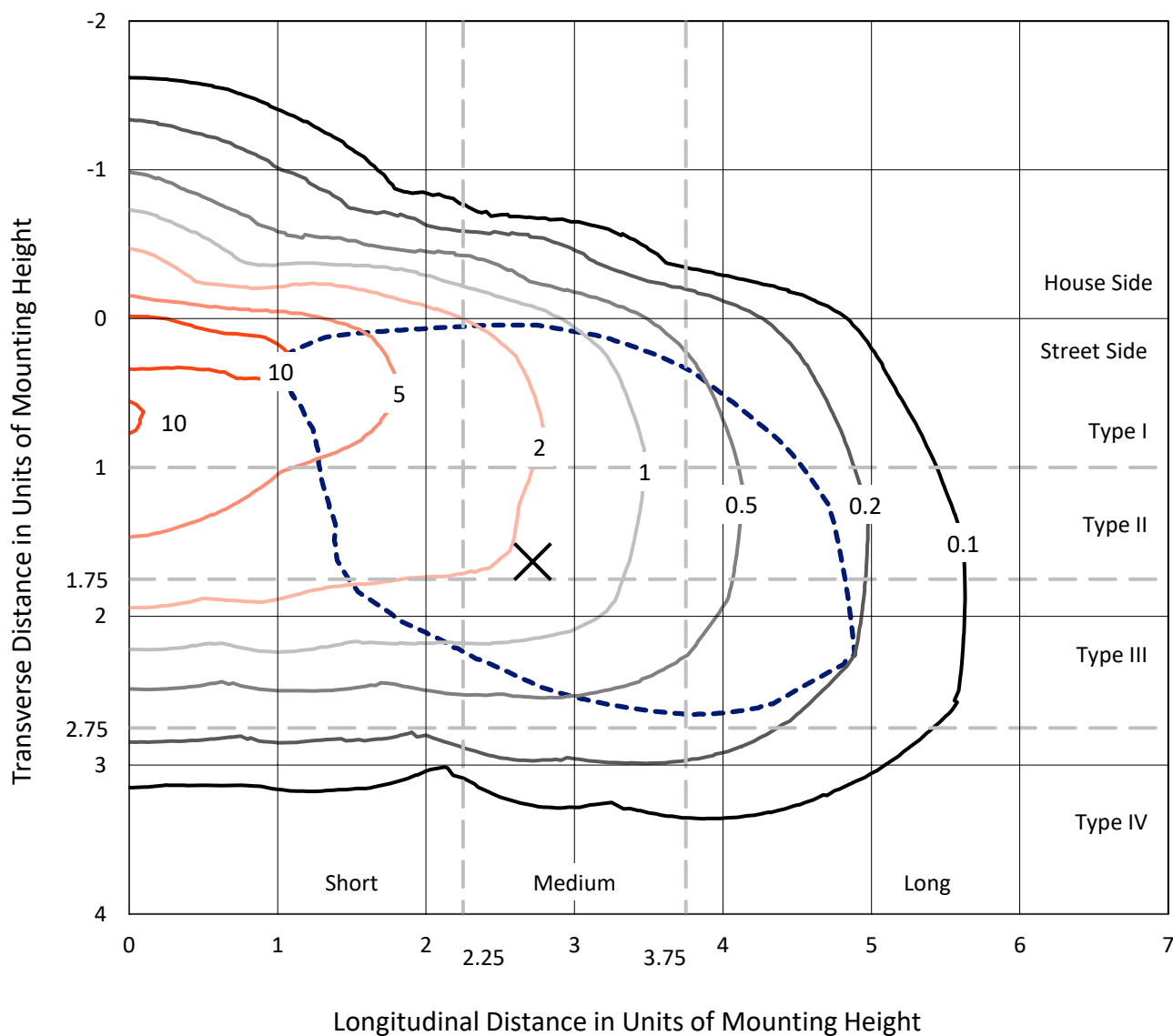


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## Iso-Footcandle Lines of Horizontal Illumination

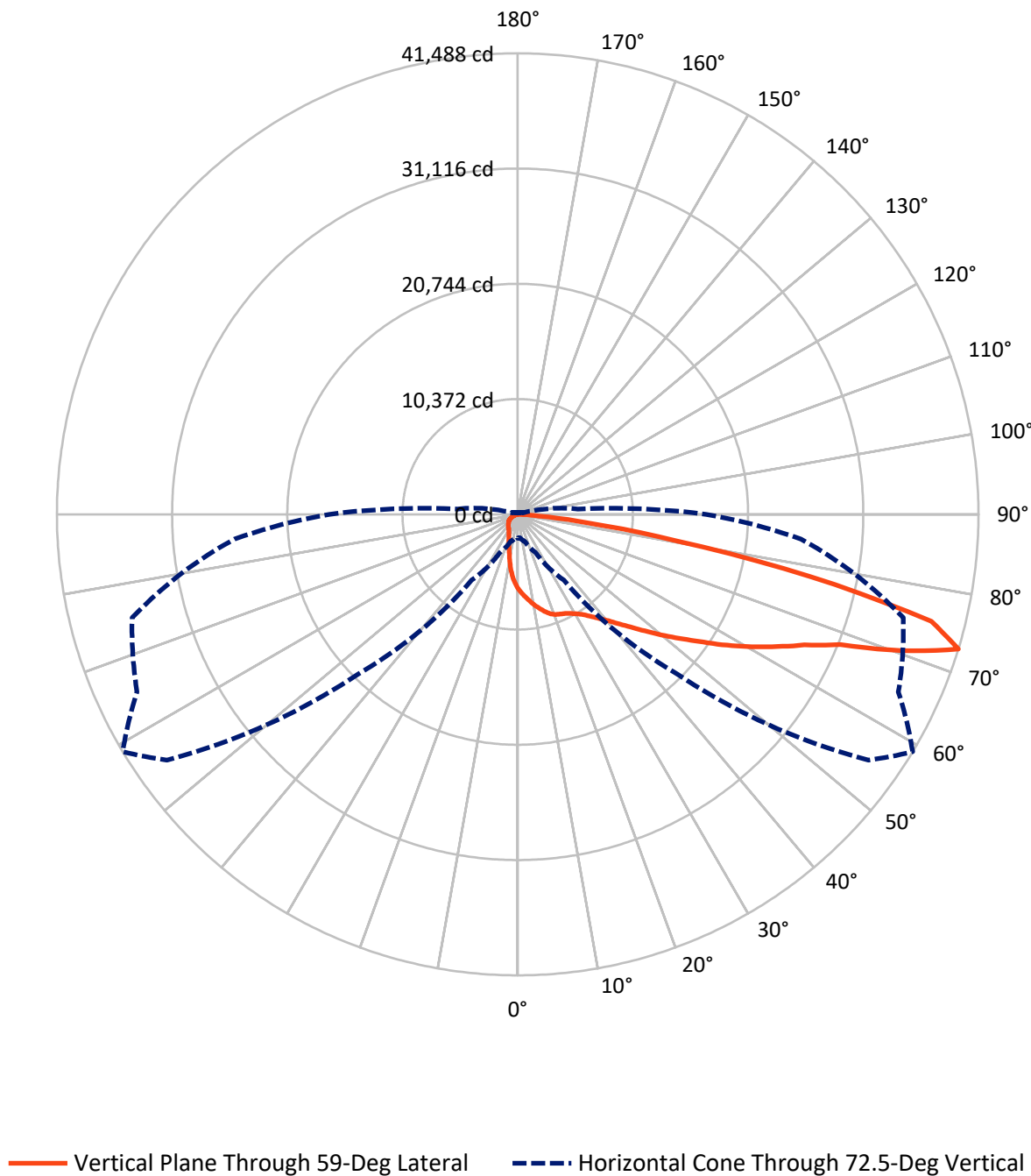
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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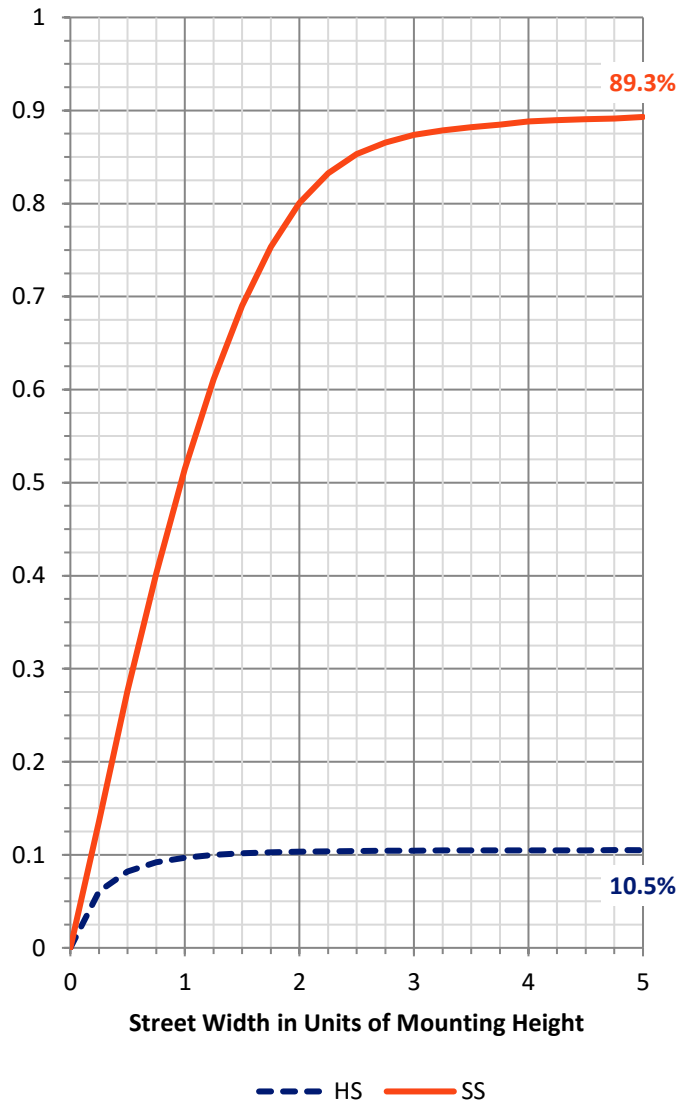
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4792.8   | 0.0    | 4792.8  |
|                    | % Fixture | 10.6     | 0.0    | 10.6    |
| <b>Street Side</b> | Lumens    | 40584.2  | 0.0    | 40584.2 |
|                    | % Fixture | 89.4     | 0.0    | 89.4    |
| <b>Total</b>       | Lumens    | 45377.0  | 0.0    | 45377.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 607.1   | 1.3       |
| 10°-20°   | 1612.5  | 3.6       |
| 20°-30°   | 2555.6  | 5.6       |
| 30°-40°   | 4101.3  | 9.0       |
| 40°-50°   | 6550.6  | 14.4      |
| 50°-60°   | 9484.4  | 20.9      |
| 60°-70°   | 11255.6 | 24.8      |
| 70°-80°   | 8355.6  | 18.4      |
| 80°-90°   | 854.3   | 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°    | 45377.0 | 100.0     |
| 0°-180°   | 45377.0 | 100.0     |

**Coefficient of Utilization**



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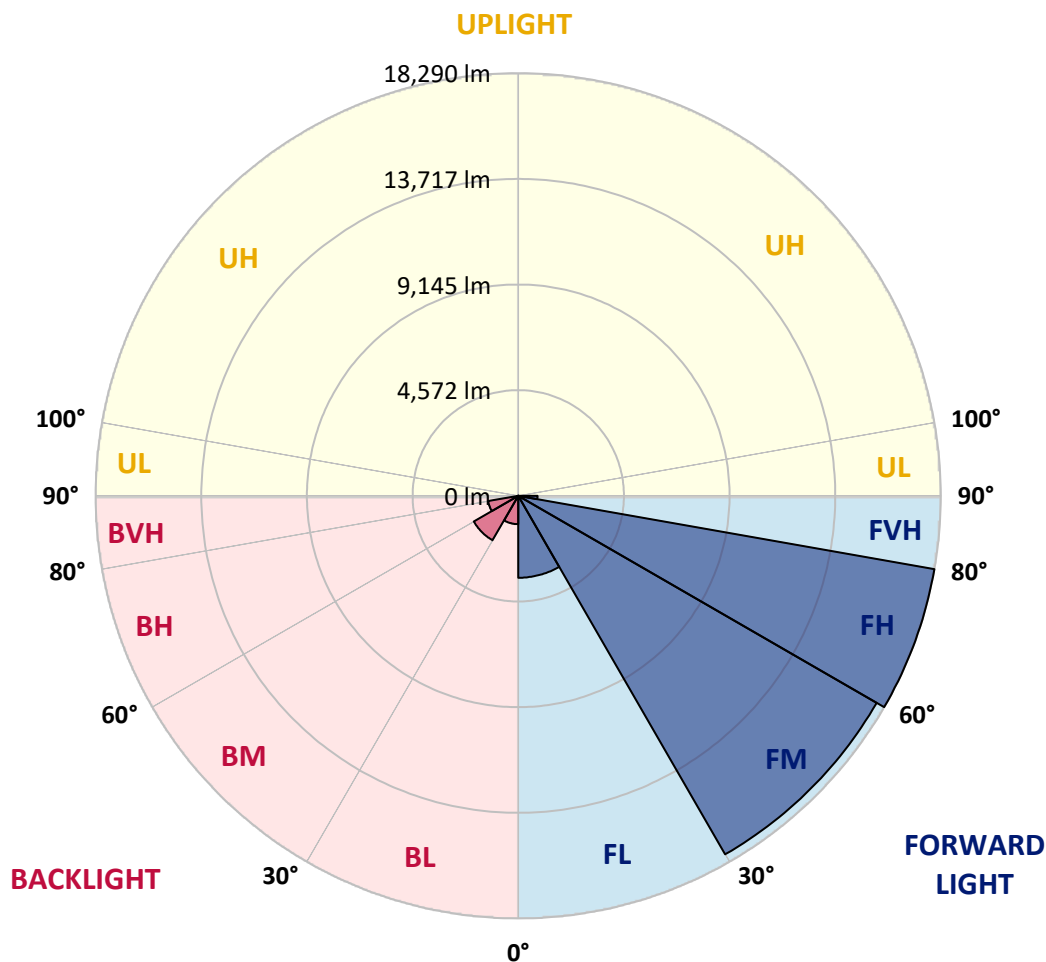
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3547.5  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 17914.2 | 39.5      |                         |      |         |
| FH   | (60°-80°)   | 18289.5 | 40.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 833.0   | 1.8       |                         |      | G5      |
| BL   | (0°-30°)    | 1227.8  | 2.7       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2222.1  | 4.9       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1321.7  | 2.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 21.2    | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6710.2  | 6710.2  | 6710.2  | 6710.2  | 6710.2  | 6710.2  | 6710.2  | 6710.2  | 6710.2  | 6710.2  |
| 2.5°  | 7444.9  | 7403.4  | 7409.3  | 7338.2  | 7287.9  | 7234.5  | 7130.9  | 7116.0  | 7042.0  | 6911.6  |
| 5°    | 8093.7  | 8067.0  | 8043.3  | 7963.3  | 7859.6  | 7729.3  | 7554.5  | 7492.3  | 7356.0  | 7130.9  |
| 7.5°  | 8567.7  | 8535.1  | 8547.0  | 8467.0  | 8384.0  | 8238.9  | 7998.9  | 7883.3  | 7702.6  | 7359.0  |
| 10°   | 8659.5  | 8641.8  | 8718.8  | 8748.4  | 8748.4  | 8656.6  | 8422.5  | 8307.0  | 8043.3  | 7604.9  |
| 12.5° | 8144.1  | 8147.0  | 8339.6  | 8570.7  | 8872.8  | 8958.8  | 8801.7  | 8677.3  | 8416.6  | 7865.6  |
| 15°   | 7542.7  | 7545.6  | 7732.3  | 8028.5  | 8523.3  | 9018.0  | 9142.4  | 9062.4  | 8792.9  | 8147.0  |
| 17.5° | 7181.2  | 7166.4  | 7290.8  | 7533.8  | 8052.2  | 8748.4  | 9349.8  | 9403.1  | 9183.9  | 8458.1  |
| 20°   | 7130.9  | 7104.2  | 7169.4  | 7290.8  | 7661.2  | 8410.7  | 9373.5  | 9625.3  | 9586.8  | 8810.6  |
| 22.5° | 7439.0  | 7397.5  | 7361.9  | 7367.9  | 7524.9  | 8129.2  | 9314.3  | 9749.8  | 10001.6 | 9234.3  |
| 25°   | 8049.3  | 7984.1  | 7868.5  | 7720.4  | 7687.8  | 8070.0  | 9272.8  | 9886.0  | 10386.7 | 9776.4  |
| 27.5° | 8795.8  | 8704.0  | 8481.8  | 8259.6  | 8070.0  | 8235.9  | 9358.7  | 10102.3 | 10822.2 | 10407.4 |
| 30°   | 9616.4  | 9503.9  | 9281.7  | 8861.0  | 8558.8  | 8606.2  | 9563.1  | 10386.7 | 11379.2 | 11121.4 |
| 32.5° | 10822.2 | 10561.5 | 10173.4 | 9530.5  | 9130.6  | 9006.2  | 9871.2  | 10748.1 | 12069.4 | 12072.4 |
| 35°   | 11856.1 | 11711.0 | 11319.9 | 10520.0 | 9699.4  | 9536.5  | 10277.1 | 11257.7 | 13026.3 | 13331.5 |
| 37.5° | 12534.6 | 12336.1 | 11992.4 | 11391.0 | 10582.2 | 10081.6 | 10819.2 | 11882.8 | 14039.5 | 14765.4 |
| 40°   | 13293.0 | 13097.4 | 12641.2 | 12075.4 | 11607.3 | 11017.7 | 11503.6 | 12602.7 | 15150.5 | 16237.7 |
| 42.5° | 14208.4 | 13953.6 | 13414.4 | 12804.1 | 12315.3 | 12250.1 | 12398.3 | 13500.3 | 16291.1 | 17837.5 |
| 45°   | 15283.8 | 15043.8 | 14424.7 | 13654.4 | 13224.8 | 13109.3 | 13524.0 | 14546.1 | 17562.0 | 19591.3 |
| 47.5° | 16291.1 | 16012.6 | 15346.0 | 14643.9 | 14166.9 | 13802.5 | 14720.9 | 15781.5 | 19001.8 | 21425.2 |
| 50°   | 17147.2 | 16862.8 | 16252.6 | 15503.0 | 15180.1 | 14703.1 | 15897.0 | 17159.1 | 20429.7 | 23288.6 |
| 52.5° | 17733.8 | 17482.0 | 16765.1 | 16255.5 | 16036.3 | 15796.3 | 17274.6 | 18619.6 | 21851.8 | 24995.0 |
| 55°   | 17600.5 | 17375.4 | 16744.3 | 16708.8 | 16694.0 | 16945.8 | 18921.8 | 20275.7 | 23300.5 | 26609.6 |
| 57.5° | 17176.9 | 16922.1 | 16134.1 | 16676.2 | 17200.6 | 17970.8 | 20705.3 | 22233.9 | 24888.4 | 28132.4 |
| 60°   | 15929.6 | 15840.8 | 15360.8 | 16614.0 | 17413.9 | 18975.1 | 22743.5 | 24201.1 | 26606.7 | 29471.5 |
| 62.5° | 13290.0 | 13367.0 | 13364.1 | 16744.3 | 17799.0 | 20118.7 | 24595.1 | 26191.9 | 28286.4 | 30760.2 |
| 65°   | 9951.2  | 10217.8 | 10558.5 | 15571.2 | 18314.5 | 22159.9 | 26808.1 | 28351.6 | 29992.9 | 32259.2 |
| 67.5° | 6686.5  | 6899.8  | 7130.9  | 12774.5 | 16779.9 | 24304.8 | 30484.6 | 31311.2 | 32037.0 | 33921.2 |
| 70°   | 3827.6  | 3895.8  | 4218.7  | 7978.1  | 12934.5 | 23712.3 | 36472.0 | 36771.2 | 35085.5 | 35968.3 |
| 72.5° | 2144.9  | 2121.2  | 2547.8  | 3786.1  | 7228.6  | 20305.3 | 38569.4 | 41487.6 | 37814.0 | 35935.7 |
| 75°   | 1433.9  | 1436.8  | 1753.8  | 2387.8  | 2817.4  | 14214.3 | 33236.9 | 38468.7 | 36178.7 | 31865.2 |
| 77.5° | 977.6   | 1010.2  | 1288.7  | 1845.7  | 1303.5  | 6935.3  | 21988.1 | 26947.4 | 29290.7 | 24606.9 |
| 80°   | 423.6   | 426.6   | 850.3   | 1324.3  | 879.9   | 2207.1  | 11399.9 | 14436.5 | 18370.8 | 13817.3 |
| 82.5° | 219.2   | 248.9   | 542.1   | 856.2   | 554.0   | 773.2   | 5385.9  | 6307.3  | 7708.6  | 4055.7  |
| 85°   | 77.0    | 91.8    | 334.8   | 420.7   | 278.5   | 275.5   | 1875.3  | 1910.8  | 1632.4  | 610.3   |
| 87.5° | 0.0     | 14.8    | 130.4   | 103.7   | 35.6    | 32.6    | 222.2   | 186.6   | 148.1   | 85.9    |
| 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):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6710.2  | 0°    | 6710.2  | 6710.2 | 6710.2 | 6710.2 | 6710.2 | 6710.2 | 6710.2 | 6710.2 | 6710.2 | 6710.2 |
| 6778.3  | 2.5°  | 6716.1  | 6636.1 | 6505.8 | 6345.8 | 6159.1 | 6058.4 | 5913.3 | 5824.4 | 5744.4 | 5747.3 |
| 6870.2  | 5°    | 6725.0  | 6591.7 | 6259.9 | 5907.3 | 5516.3 | 5228.9 | 4908.9 | 4683.8 | 4512.0 | 4470.5 |
| 6965.0  | 7.5°  | 6751.7  | 6526.5 | 5984.4 | 5397.8 | 4746.0 | 4263.1 | 3821.7 | 3543.2 | 3386.2 | 3344.7 |
| 7062.7  | 10°   | 6787.2  | 6455.4 | 5673.3 | 4775.6 | 3966.9 | 3386.2 | 3018.8 | 2841.1 | 2770.0 | 2716.7 |
| 7187.1  | 12.5° | 6816.8  | 6381.3 | 5282.2 | 4132.8 | 3273.6 | 2820.3 | 2541.9 | 2393.7 | 2331.5 | 2293.0 |
| 7332.3  | 15°   | 6867.2  | 6283.6 | 4858.6 | 3534.3 | 2805.5 | 2435.2 | 2171.5 | 2061.9 | 2044.2 | 2050.1 |
| 7492.3  | 17.5° | 6917.6  | 6188.8 | 4384.6 | 3066.2 | 2461.9 | 2097.5 | 1937.5 | 1919.7 | 1943.4 | 1967.1 |
| 7676.0  | 20°   | 6973.8  | 6052.5 | 3904.6 | 2713.7 | 2144.9 | 1863.4 | 1822.0 | 1833.8 | 1845.7 | 1887.1 |
| 7927.8  | 22.5° | 7056.8  | 5880.7 | 3484.0 | 2414.5 | 1881.2 | 1750.9 | 1730.1 | 1739.0 | 1747.9 | 1789.4 |
| 8259.6  | 25°   | 7175.3  | 5697.0 | 3143.3 | 2139.0 | 1715.3 | 1659.0 | 1638.3 | 1638.3 | 1650.1 | 1688.7 |
| 8644.7  | 27.5° | 7299.7  | 5436.3 | 2867.7 | 1884.2 | 1617.6 | 1558.3 | 1522.8 | 1522.8 | 1537.6 | 1582.0 |
| 9127.6  | 30°   | 7439.0  | 5199.3 | 2651.5 | 1694.6 | 1534.6 | 1457.6 | 1410.2 | 1398.3 | 1416.1 | 1472.4 |
| 9826.8  | 32.5° | 7690.8  | 5045.2 | 2497.4 | 1605.7 | 1460.5 | 1365.7 | 1300.6 | 1268.0 | 1285.7 | 1350.9 |
| 10804.4 | 35°   | 8073.0  | 5009.7 | 2390.8 | 1561.3 | 1389.4 | 1282.8 | 1190.9 | 1140.6 | 1155.4 | 1223.5 |
| 12010.2 | 37.5° | 8520.3  | 5083.7 | 2287.1 | 1502.0 | 1321.3 | 1202.8 | 1081.3 | 1016.2 | 1039.9 | 1102.1 |
| 13387.8 | 40°   | 9163.2  | 5391.8 | 2207.1 | 1457.6 | 1253.2 | 1108.0 | 971.7  | 906.5  | 945.1  | 998.4  |
| 14821.6 | 42.5° | 9939.4  | 5939.9 | 2186.4 | 1416.1 | 1170.2 | 1007.3 | 871.0  | 823.6  | 853.2  | 903.6  |
| 16270.3 | 45°   | 10902.2 | 6639.1 | 2281.2 | 1362.8 | 1078.4 | 909.5  | 791.0  | 764.3  | 773.2  | 823.6  |
| 17639.0 | 47.5° | 11936.1 | 7356.0 | 2541.9 | 1315.4 | 998.4  | 829.5  | 728.8  | 705.1  | 699.2  | 746.6  |
| 18889.2 | 50°   | 12981.9 | 7993.0 | 2850.0 | 1279.8 | 942.1  | 764.3  | 681.4  | 651.8  | 636.9  | 666.6  |
| 20124.6 | 52.5° | 14015.8 | 8499.6 | 3051.4 | 1220.6 | 885.8  | 699.2  | 639.9  | 595.5  | 568.8  | 583.6  |
| 21354.1 | 55°   | 15064.6 | 8943.9 | 3063.3 | 1131.7 | 832.5  | 657.7  | 598.4  | 548.1  | 515.5  | 515.5  |
| 22539.1 | 57.5° | 16045.2 | 9335.0 | 2888.5 | 1013.2 | 758.4  | 619.2  | 542.1  | 500.7  | 465.1  | 453.3  |
| 23590.8 | 60°   | 16913.2 | 9625.3 | 2598.2 | 879.9  | 693.2  | 568.8  | 485.9  | 453.3  | 408.8  | 385.1  |
| 24527.0 | 62.5° | 17686.4 | 9767.5 | 2201.2 | 743.6  | 613.2  | 509.6  | 432.5  | 397.0  | 337.7  | 308.1  |
| 25477.9 | 65°   | 18341.2 | 9622.4 | 1786.4 | 616.2  | 545.1  | 444.4  | 370.3  | 334.8  | 269.6  | 234.0  |
| 26547.4 | 67.5° | 18990.0 | 8958.8 | 1350.9 | 518.4  | 474.0  | 373.3  | 305.1  | 272.6  | 225.2  | 195.5  |
| 27326.6 | 70°   | 19072.9 | 7563.4 | 945.1  | 435.5  | 394.0  | 287.4  | 245.9  | 225.2  | 183.7  | 157.0  |
| 25587.6 | 72.5° | 16978.4 | 5442.2 | 574.7  | 355.5  | 308.1  | 204.4  | 195.5  | 177.8  | 136.3  | 118.5  |
| 20906.7 | 75°   | 13571.4 | 3335.8 | 337.7  | 266.6  | 204.4  | 145.2  | 145.2  | 127.4  | 91.8   | 77.0   |
| 14433.5 | 77.5° | 9379.4  | 1744.9 | 198.5  | 171.8  | 121.5  | 85.9   | 94.8   | 77.0   | 44.4   | 35.6   |
| 5717.7  | 80°   | 3756.5  | 663.6  | 106.7  | 80.0   | 56.3   | 38.5   | 32.6   | 17.8   | 8.9    | 5.9    |
| 1173.2  | 82.5° | 749.5   | 174.8  | 35.6   | 20.7   | 20.7   | 8.9    | 0.0    | 0.0    | 0.0    | 0.0    |
| 322.9   | 85°   | 192.6   | 38.5   | 8.9    | 5.9    | 5.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 106.7   | 87.5° | 59.3    | 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°   |
|--------|
| 6710.2 |
| 5812.5 |
| 4532.7 |
| 3386.2 |
| 2749.2 |
| 2313.8 |
| 2059.0 |
| 1976.0 |
| 1899.0 |
| 1801.2 |
| 1703.5 |
| 1599.8 |
| 1487.2 |
| 1368.7 |
| 1244.3 |
| 1119.8 |
| 1007.3 |
| 912.5  |
| 847.3  |
| 776.2  |
| 678.4  |
| 595.5  |
| 521.4  |
| 456.2  |
| 379.2  |
| 305.1  |
| 234.0  |
| 195.5  |
| 154.1  |
| 115.5  |
| 77.0   |
| 35.6   |
| 8.9    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |