

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: P956634

Luminaire Tested: **GLAN-SB9B-727-U-AFL-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956634  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-727-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 40562 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
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

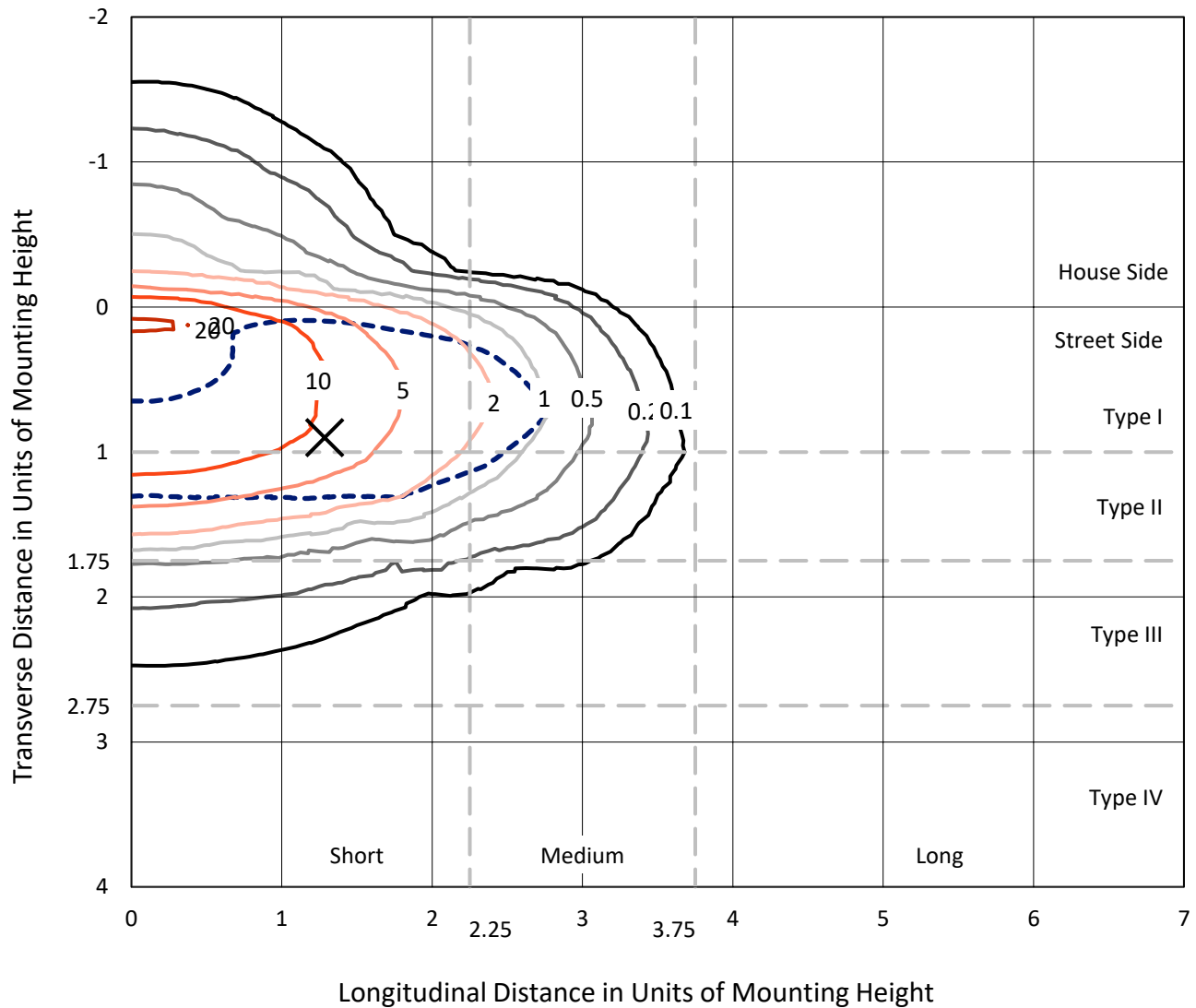


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## Iso-Footcandle Lines of Horizontal Illumination

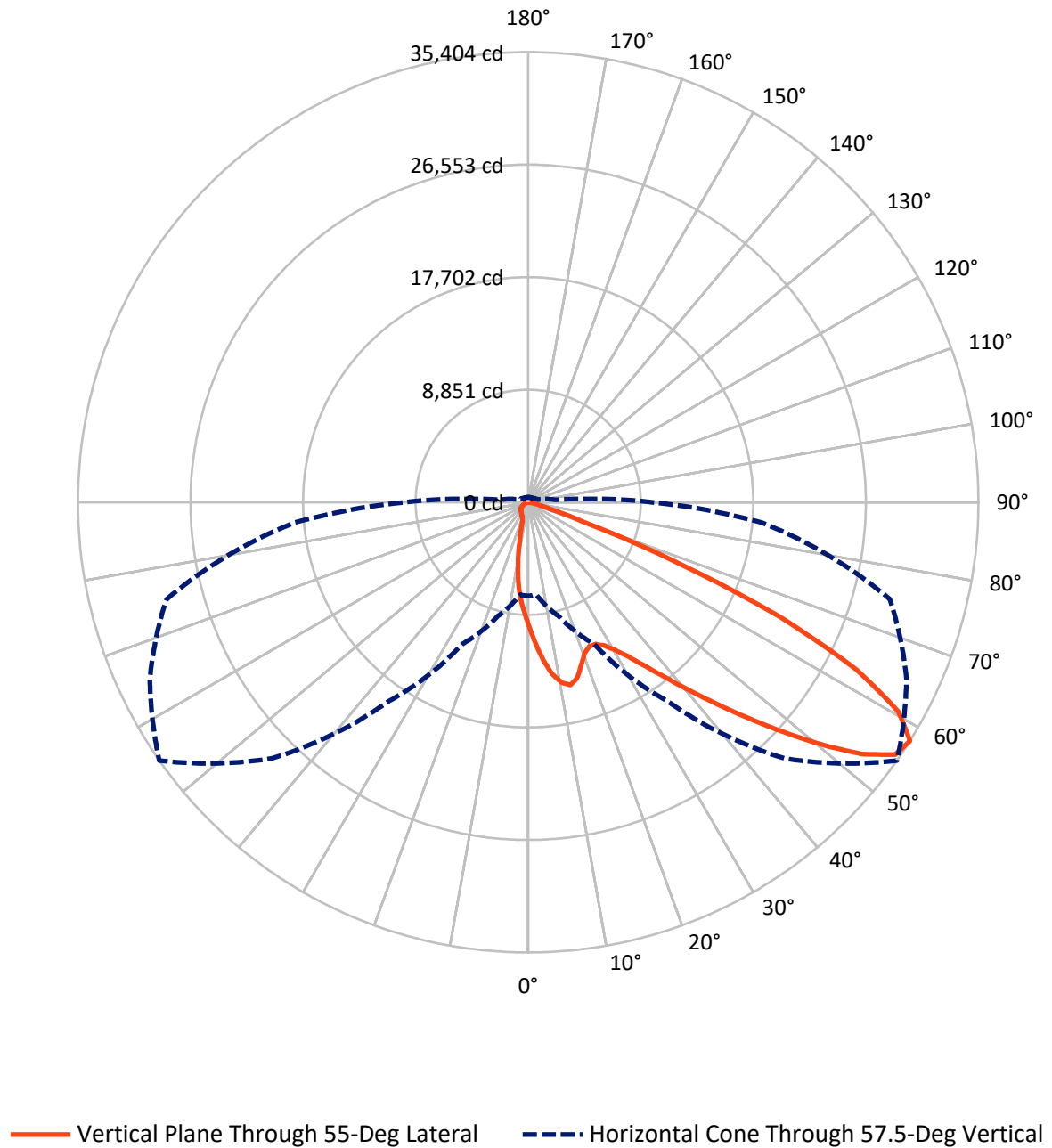
✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.4 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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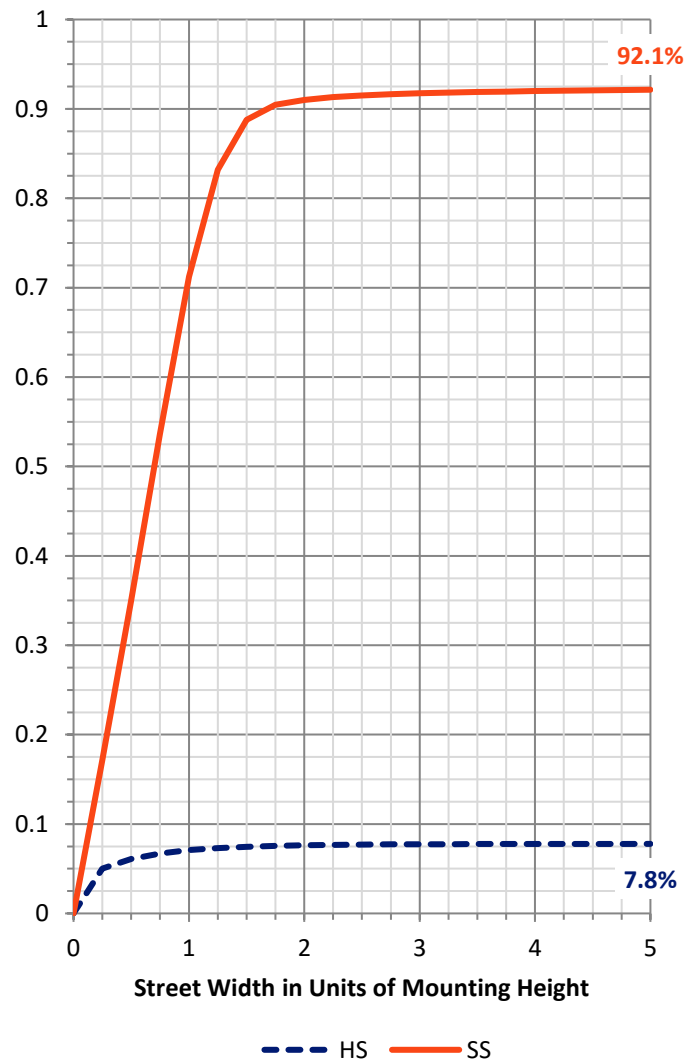
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3167.7   | 0.0    | 3167.7  |
|                    | % Fixture | 7.8      | 0.0    | 7.8     |
| <b>Street Side</b> | Lumens    | 37394.3  | 0.0    | 37394.3 |
|                    | % Fixture | 92.2     | 0.0    | 92.2    |
| <b>Total</b>       | Lumens    | 40562.0  | 0.0    | 40562.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 909.5   | 2.2       |
| 10°-20°   | 2196.8  | 5.4       |
| 20°-30°   | 3514.8  | 8.7       |
| 30°-40°   | 5949.1  | 14.7      |
| 40°-50°   | 9767.2  | 24.1      |
| 50°-60°   | 10734.8 | 26.5      |
| 60°-70°   | 6157.5  | 15.2      |
| 70°-80°   | 1258.2  | 3.1       |
| 80°-90°   | 74.2    | 0.2       |
| 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°    | 40562.0 | 100.0     |
| 0°-180°   | 40562.0 | 100.0     |

**Coefficient of Utilization**



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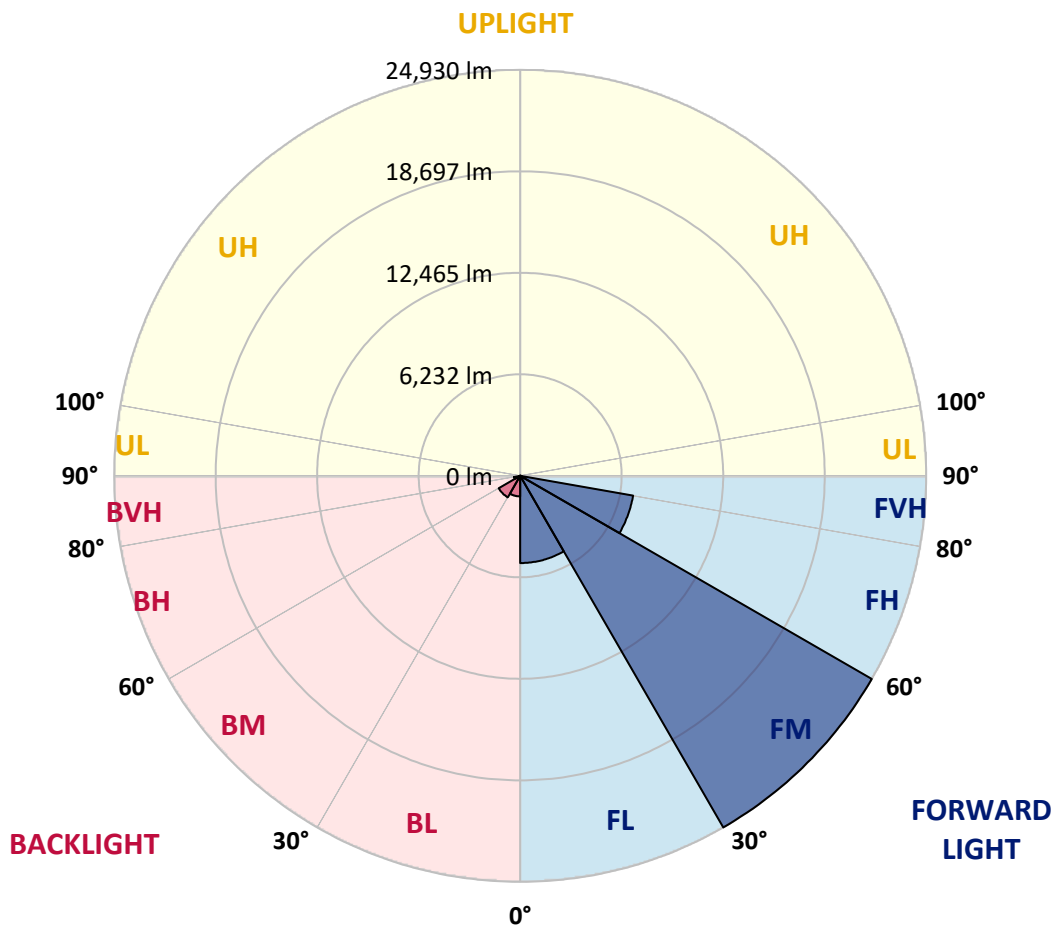
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5356.5  | 13.2      |                         |      |         |
| FM   | (30°-60°)   | 24929.7 | 61.5      |                         |      |         |
| FH   | (60°-80°)   | 7038.9  | 17.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 69.2    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1264.6  | 3.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1521.3  | 3.8       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 376.7   | 0.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 5.0     | 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-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9774.4  | 9774.4  | 9774.4  | 9774.4  | 9774.4  | 9774.4  | 9774.4  | 9774.4  | 9774.4  | 9774.4  |
| 2.5°  | 12128.0 | 11975.4 | 11952.9 | 11922.9 | 11632.8 | 11415.2 | 11100.0 | 10754.9 | 10367.2 | 9972.0  |
| 5°    | 14011.4 | 13891.3 | 13868.8 | 13728.7 | 13398.6 | 13028.4 | 12468.2 | 11760.3 | 11037.5 | 10187.1 |
| 7.5°  | 14376.5 | 14354.0 | 14456.6 | 14451.6 | 14406.5 | 14113.9 | 13641.2 | 12798.3 | 11712.8 | 10452.3 |
| 10°   | 12748.3 | 12805.8 | 13111.0 | 13378.6 | 14101.4 | 14521.6 | 14419.1 | 13723.7 | 12408.1 | 10754.9 |
| 12.5° | 11265.1 | 11197.6 | 11415.2 | 11717.8 | 12558.2 | 13808.8 | 14741.7 | 14496.6 | 13203.5 | 11097.5 |
| 15°   | 10334.7 | 10307.2 | 10429.7 | 10569.8 | 11210.1 | 12470.7 | 14366.5 | 15124.4 | 13968.8 | 11502.7 |
| 17.5° | 10037.1 | 10014.6 | 10052.1 | 10087.1 | 10502.3 | 11477.7 | 13473.6 | 15509.5 | 14701.7 | 11965.4 |
| 20°   | 10279.7 | 10249.7 | 10244.7 | 10217.1 | 10389.7 | 11055.0 | 12665.8 | 15537.1 | 15359.5 | 12385.6 |
| 22.5° | 10987.5 | 10952.5 | 10829.9 | 10719.9 | 10734.9 | 11112.6 | 12305.6 | 15261.9 | 15854.7 | 12778.3 |
| 25°   | 12270.6 | 12213.1 | 11957.9 | 11587.8 | 11352.7 | 11512.7 | 12360.6 | 14899.3 | 16327.4 | 13085.9 |
| 27.5° | 13876.3 | 13801.3 | 13473.6 | 12923.4 | 12385.6 | 12190.5 | 12758.3 | 14649.2 | 16720.1 | 13321.1 |
| 30°   | 15449.5 | 15352.0 | 15029.3 | 14601.6 | 13816.3 | 13201.0 | 13476.1 | 14759.2 | 17187.8 | 13566.2 |
| 32.5° | 17147.8 | 17055.3 | 16627.6 | 16097.3 | 15447.0 | 14619.1 | 14459.1 | 15297.0 | 17760.6 | 13908.8 |
| 35°   | 19296.3 | 19151.2 | 18543.4 | 17820.6 | 17130.3 | 16292.4 | 15789.7 | 16224.9 | 18523.4 | 14431.6 |
| 37.5° | 21742.4 | 21547.3 | 20892.0 | 19894.0 | 18993.6 | 18055.7 | 17410.4 | 17500.5 | 19641.4 | 15131.9 |
| 40°   | 24048.4 | 23870.8 | 23265.6 | 22325.1 | 21194.6 | 20056.6 | 19368.8 | 19168.7 | 21184.6 | 15984.8 |
| 42.5° | 25431.6 | 25271.5 | 25016.4 | 24618.7 | 23665.8 | 22505.2 | 21637.3 | 21204.6 | 23010.5 | 17005.2 |
| 45°   | 25509.1 | 25369.0 | 25711.7 | 26174.4 | 25986.8 | 25214.0 | 24156.0 | 23363.1 | 24843.8 | 17963.2 |
| 47.5° | 24268.5 | 24173.5 | 25214.0 | 26829.7 | 27635.1 | 27960.2 | 26984.8 | 25341.5 | 26357.0 | 18651.0 |
| 50°   | 20887.0 | 20852.0 | 22992.9 | 25959.3 | 28262.8 | 30366.3 | 29968.6 | 27182.4 | 27530.0 | 19006.1 |
| 52.5° | 18110.7 | 17983.2 | 19231.2 | 23173.0 | 27349.9 | 31631.9 | 32884.9 | 28988.2 | 28350.4 | 19073.7 |
| 55°   | 13736.2 | 13623.7 | 15189.4 | 18510.9 | 24406.1 | 31181.7 | 35018.4 | 30851.5 | 28938.2 | 18901.1 |
| 57.5° | 7368.3  | 7298.3  | 9276.7  | 12320.6 | 19078.7 | 28480.4 | 35403.6 | 32822.4 | 29433.4 | 18443.4 |
| 60°   | 2868.8  | 2856.3  | 3596.6  | 5977.7  | 11595.3 | 23170.5 | 33460.2 | 34005.5 | 29743.5 | 17880.6 |
| 62.5° | 1735.8  | 1773.3  | 1893.4  | 2683.7  | 5122.3  | 14394.0 | 28980.7 | 32659.8 | 29951.1 | 17365.4 |
| 65°   | 1435.7  | 1438.2  | 1453.2  | 1843.3  | 2453.6  | 6022.7  | 21817.4 | 28232.8 | 29438.4 | 16447.5 |
| 67.5° | 1230.6  | 1253.1  | 1310.6  | 1463.2  | 1730.8  | 2641.2  | 12560.7 | 21869.9 | 26319.5 | 14311.5 |
| 70°   | 970.4   | 1000.5  | 1073.0  | 1203.0  | 1335.6  | 1653.3  | 4642.1  | 14551.6 | 20106.6 | 10787.4 |
| 72.5° | 817.9   | 815.4   | 852.9   | 977.9   | 1060.5  | 1163.0  | 1785.8  | 8153.7  | 11685.3 | 5149.8  |
| 75°   | 632.8   | 657.8   | 705.3   | 817.9   | 867.9   | 842.9   | 967.9   | 2978.9  | 4186.9  | 1560.7  |
| 77.5° | 495.2   | 515.2   | 557.8   | 667.8   | 717.8   | 597.8   | 557.8   | 1065.5  | 1345.6  | 560.3   |
| 80°   | 222.6   | 240.1   | 380.2   | 492.7   | 585.3   | 412.7   | 302.6   | 545.2   | 597.8   | 255.1   |
| 82.5° | 40.0    | 67.5    | 222.6   | 260.1   | 300.1   | 267.6   | 157.6   | 282.6   | 292.6   | 102.5   |
| 85°   | 2.5     | 5.0     | 77.5    | 95.0    | 120.1   | 87.5    | 47.5    | 112.6   | 97.5    | 35.0    |
| 87.5° | 0.0     | 0.0     | 0.0     | 2.5     | 2.5     | 12.5    | 15.0    | 20.0    | 15.0    | 12.5    |
| 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):**

| 90°     |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9774.4  | 0°    | 9774.4 | 9774.4 | 9774.4 | 9774.4 | 9774.4 | 9774.4 | 9774.4 | 9774.4 | 9774.4 | 9774.4 |
| 9797.0  | 2.5°  | 9616.9 | 9261.7 | 8916.6 | 8633.9 | 8468.8 | 8188.7 | 8003.6 | 7973.6 | 7896.1 | 7963.6 |
| 9822.0  | 5°    | 9431.8 | 8796.5 | 8153.7 | 7578.4 | 7105.7 | 6495.5 | 6040.2 | 5847.7 | 5680.1 | 5737.6 |
| 9887.0  | 7.5°  | 9344.2 | 8341.3 | 7340.8 | 6357.9 | 5347.4 | 4372.0 | 3646.7 | 3344.0 | 3113.9 | 3146.4 |
| 9959.5  | 10°   | 9226.7 | 7868.6 | 6300.4 | 4799.7 | 3446.6 | 2483.6 | 1983.4 | 1798.3 | 1695.8 | 1698.3 |
| 10067.1 | 12.5° | 9136.7 | 7303.3 | 5092.3 | 3254.0 | 2098.5 | 1585.7 | 1430.7 | 1385.6 | 1355.6 | 1358.1 |
| 10229.6 | 15°   | 9091.6 | 6638.0 | 3899.3 | 2168.5 | 1500.7 | 1343.1 | 1305.6 | 1285.6 | 1265.6 | 1263.1 |
| 10409.7 | 17.5° | 9016.6 | 5897.7 | 2853.8 | 1583.2 | 1313.1 | 1258.1 | 1225.6 | 1203.0 | 1178.0 | 1173.0 |
| 10564.8 | 20°   | 8904.0 | 5057.3 | 2085.9 | 1338.1 | 1230.6 | 1188.0 | 1143.0 | 1113.0 | 1083.0 | 1078.0 |
| 10662.3 | 22.5° | 8696.5 | 4169.4 | 1603.2 | 1238.1 | 1170.5 | 1123.0 | 1068.0 | 1033.0 | 1003.0 | 998.0  |
| 10614.8 | 25°   | 8311.3 | 3336.5 | 1350.6 | 1175.5 | 1118.0 | 1060.5 | 1000.5 | 952.9  | 925.4  | 920.4  |
| 10512.3 | 27.5° | 7823.6 | 2621.2 | 1225.6 | 1118.0 | 1050.5 | 998.0  | 930.4  | 885.4  | 860.4  | 855.4  |
| 10377.2 | 30°   | 7248.3 | 2018.4 | 1153.0 | 1053.0 | 970.4  | 925.4  | 865.4  | 827.9  | 812.9  | 812.9  |
| 10282.2 | 32.5° | 6628.0 | 1613.2 | 1123.0 | 987.9  | 900.4  | 850.4  | 802.9  | 787.9  | 782.9  | 780.4  |
| 10334.7 | 35°   | 6045.2 | 1400.6 | 1108.0 | 935.4  | 837.9  | 790.4  | 770.4  | 772.9  | 782.9  | 782.9  |
| 10497.3 | 37.5° | 5527.5 | 1333.1 | 1100.5 | 897.9  | 782.9  | 740.3  | 752.8  | 775.4  | 765.3  | 765.3  |
| 10782.4 | 40°   | 5059.8 | 1340.6 | 1095.5 | 870.4  | 737.8  | 712.8  | 737.8  | 720.3  | 695.3  | 692.8  |
| 11130.1 | 42.5° | 4702.1 | 1403.1 | 1085.5 | 847.9  | 710.3  | 692.8  | 682.8  | 655.3  | 652.8  | 657.8  |
| 11490.2 | 45°   | 4442.0 | 1458.2 | 1083.0 | 837.9  | 680.3  | 647.8  | 635.3  | 607.8  | 657.8  | 670.3  |
| 11637.8 | 47.5° | 4134.4 | 1458.2 | 1083.0 | 802.9  | 630.3  | 617.8  | 597.8  | 567.8  | 617.8  | 630.3  |
| 11497.7 | 50°   | 3736.7 | 1365.6 | 1040.5 | 762.8  | 590.3  | 582.8  | 547.7  | 510.2  | 500.2  | 507.7  |
| 11170.1 | 52.5° | 3234.0 | 1198.0 | 932.9  | 707.8  | 550.3  | 535.2  | 492.7  | 465.2  | 457.7  | 457.7  |
| 10582.3 | 55°   | 2661.2 | 1003.0 | 787.9  | 627.8  | 507.7  | 480.2  | 450.2  | 437.7  | 430.2  | 425.2  |
| 9759.4  | 57.5° | 2163.5 | 822.9  | 632.8  | 557.8  | 467.7  | 432.7  | 422.7  | 407.7  | 395.2  | 387.7  |
| 9071.6  | 60°   | 1775.8 | 647.8  | 522.7  | 495.2  | 427.7  | 395.2  | 392.7  | 372.7  | 340.2  | 335.2  |
| 8503.9  | 62.5° | 1370.6 | 475.2  | 440.2  | 430.2  | 387.7  | 360.2  | 355.2  | 315.1  | 265.1  | 255.1  |
| 7698.5  | 65°   | 967.9  | 370.2  | 355.2  | 377.7  | 345.2  | 320.1  | 307.6  | 247.6  | 195.1  | 187.6  |
| 6442.9  | 67.5° | 680.3  | 310.1  | 280.1  | 330.2  | 300.1  | 267.6  | 260.1  | 210.1  | 162.6  | 157.6  |
| 4872.2  | 70°   | 485.2  | 252.6  | 230.1  | 282.6  | 240.1  | 235.1  | 220.1  | 175.1  | 132.6  | 127.6  |
| 2411.1  | 72.5° | 342.7  | 192.6  | 177.6  | 245.1  | 165.1  | 202.6  | 180.1  | 135.1  | 100.0  | 95.0   |
| 820.4   | 75°   | 252.6  | 137.6  | 125.1  | 142.6  | 120.1  | 152.6  | 127.6  | 90.0   | 62.5   | 60.0   |
| 370.2   | 77.5° | 185.1  | 87.5   | 75.0   | 70.0   | 70.0   | 95.0   | 70.0   | 37.5   | 27.5   | 25.0   |
| 187.6   | 80°   | 130.1  | 40.0   | 35.0   | 30.0   | 27.5   | 22.5   | 10.0   | 5.0    | 2.5    | 2.5    |
| 65.0    | 82.5° | 77.5   | 17.5   | 17.5   | 12.5   | 7.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 25.0    | 85°   | 17.5   | 7.5    | 7.5    | 2.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 10.0    | 87.5° | 2.5    | 2.5    | 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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