

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: P957004

Luminaire Tested: **GLAN-SB9C-727-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P957004  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-727-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 48354 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 449.8  
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

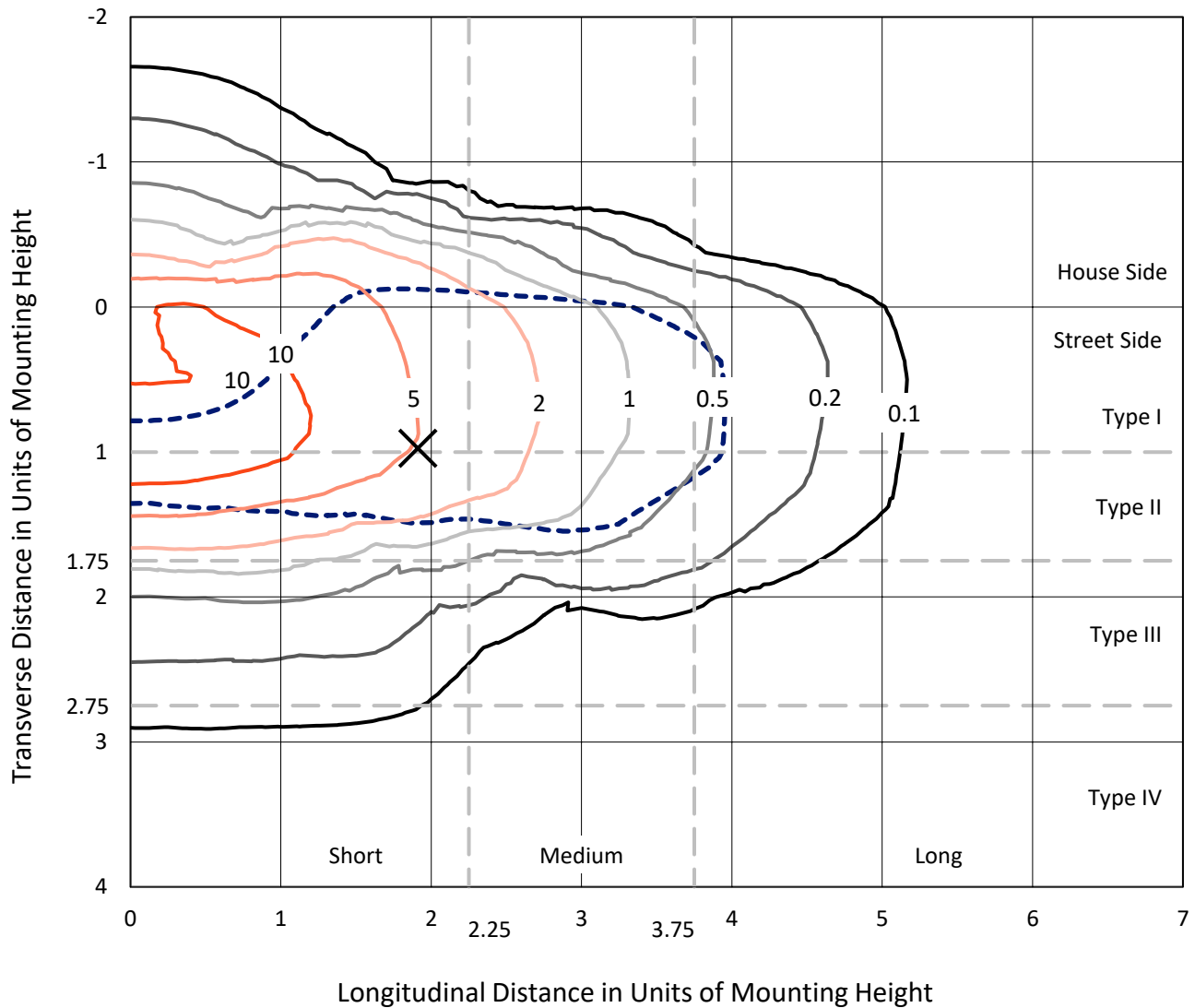


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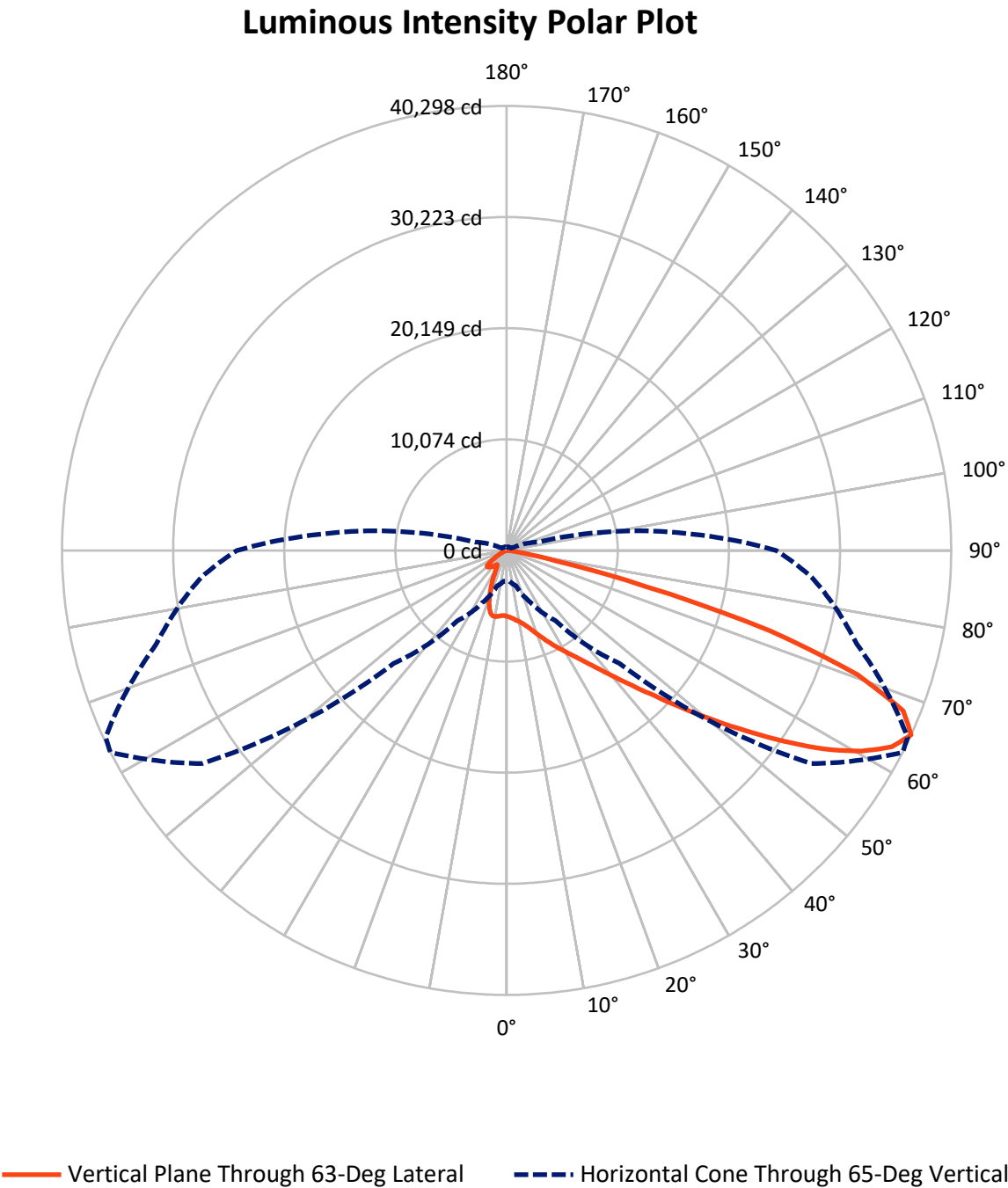
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc  
Type II - Short - N/A

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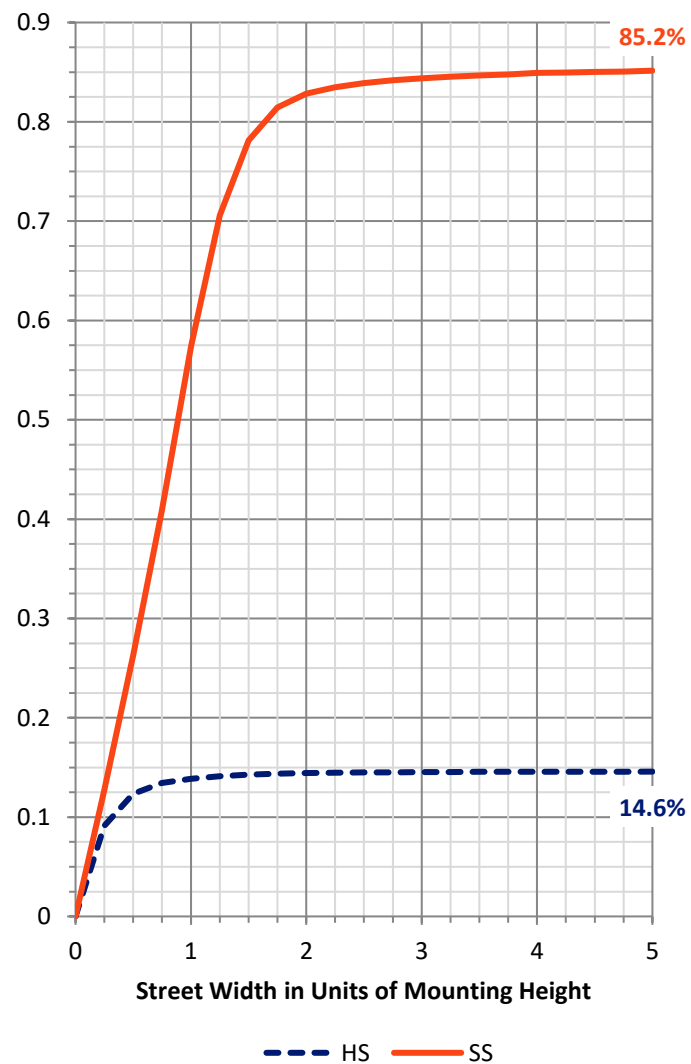
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7107.7   | 0.0    | 7107.7  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 41246.3  | 0.0    | 41246.3 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 48354.0  | 0.0    | 48354.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 562.3   | 1.2       |
| 10°-20°   | 1560.1  | 3.2       |
| 20°-30°   | 2716.6  | 5.6       |
| 30°-40°   | 4896.3  | 10.1      |
| 40°-50°   | 9711.0  | 20.1      |
| 50°-60°   | 13227.9 | 27.4      |
| 60°-70°   | 10558.4 | 21.8      |
| 70°-80°   | 4777.9  | 9.9       |
| 80°-90°   | 343.4   | 0.7       |
| 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°    | 48354.0 | 100.0     |
| 0°-180°   | 48354.0 | 100.0     |

**Coefficient of Utilization**



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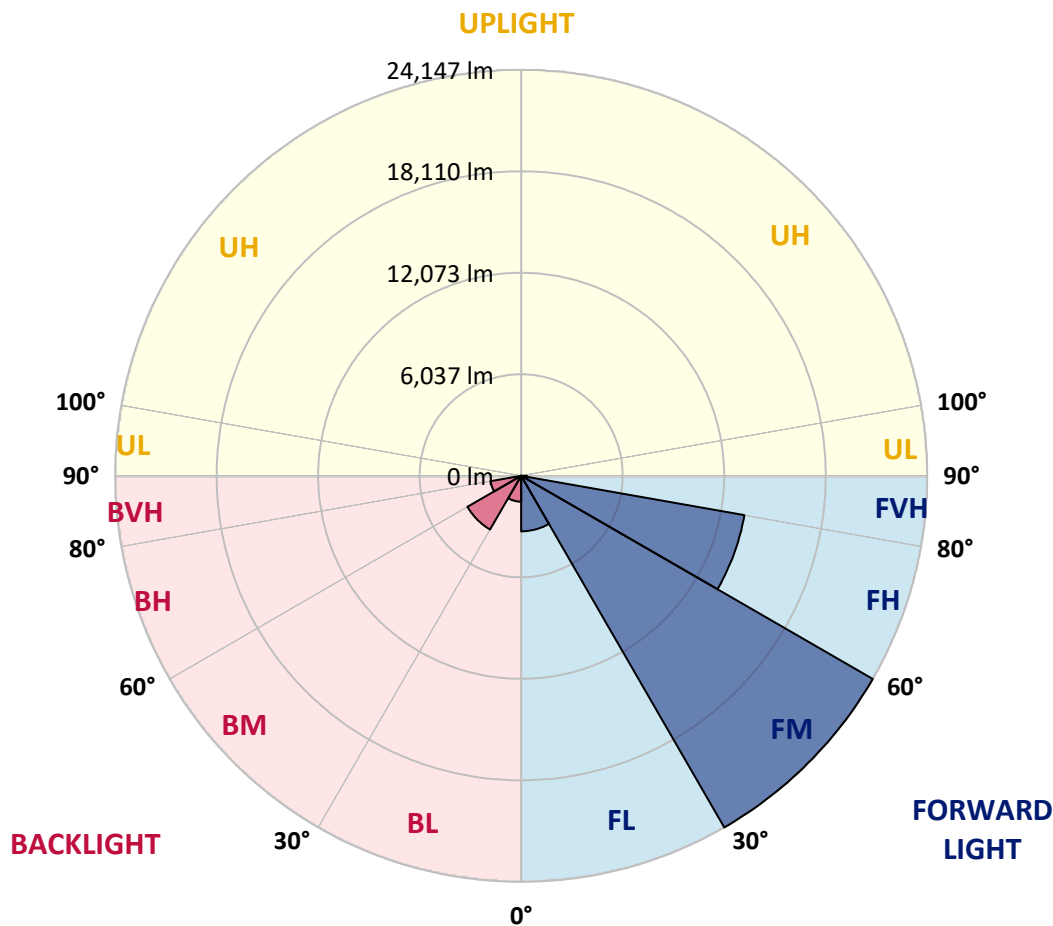
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3300.8  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 24146.8 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 13480.9 | 27.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 317.9   | 0.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1538.2  | 3.2       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3688.4  | 7.6       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1855.5  | 3.8       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 25.5    | 0.1       |                         |      | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5967.8  | 5967.8  | 5967.8  | 5967.8  | 5967.8  | 5967.8  | 5967.8  | 5967.8  | 5967.8  | 5967.8  |
| 2.5°  | 6107.5  | 6090.9  | 6114.2  | 6104.2  | 6097.5  | 6084.2  | 6077.6  | 6070.9  | 6057.6  | 6047.6  |
| 5°    | 6124.1  | 6114.2  | 6137.5  | 6157.4  | 6177.4  | 6197.3  | 6207.3  | 6220.6  | 6207.3  | 6180.7  |
| 7.5°  | 5984.4  | 5977.8  | 6027.7  | 6087.6  | 6177.4  | 6253.9  | 6337.0  | 6383.6  | 6386.9  | 6377.0  |
| 10°   | 5974.5  | 5957.8  | 6007.7  | 6080.9  | 6197.3  | 6333.7  | 6480.1  | 6579.9  | 6593.2  | 6636.4  |
| 12.5° | 6130.8  | 6114.2  | 6184.0  | 6263.9  | 6383.6  | 6526.7  | 6706.3  | 6846.0  | 6866.0  | 6925.8  |
| 15°   | 6393.6  | 6370.3  | 6450.1  | 6553.3  | 6706.3  | 6869.3  | 7058.9  | 7185.3  | 7201.9  | 7275.1  |
| 17.5° | 6699.6  | 6676.3  | 6769.5  | 6879.3  | 7045.6  | 7268.5  | 7488.0  | 7627.7  | 7647.7  | 7694.3  |
| 20°   | 7092.2  | 7062.2  | 7135.4  | 7235.2  | 7411.5  | 7677.6  | 7940.4  | 8140.0  | 8136.7  | 8136.7  |
| 22.5° | 7547.9  | 7501.3  | 7564.5  | 7644.4  | 7810.7  | 8133.4  | 8482.7  | 8718.8  | 8718.8  | 8625.7  |
| 25°   | 8036.9  | 7990.3  | 8060.2  | 8133.4  | 8279.7  | 8645.7  | 9054.8  | 9347.6  | 9360.9  | 9201.2  |
| 27.5° | 8649.0  | 8589.1  | 8642.3  | 8728.8  | 8815.3  | 9187.9  | 9673.6  | 10012.9 | 10019.5 | 9773.3  |
| 30°   | 9826.6  | 9656.9  | 9490.6  | 9397.5  | 9437.4  | 9806.6  | 10325.6 | 10701.5 | 10734.7 | 10395.4 |
| 32.5° | 11982.2 | 11948.9 | 11363.4 | 10598.3 | 10199.1 | 10471.9 | 11054.1 | 11506.5 | 11526.4 | 11090.7 |
| 35°   | 15332.0 | 15292.1 | 14350.7 | 12893.6 | 11593.0 | 11363.4 | 11938.9 | 12474.5 | 12461.2 | 11968.9 |
| 37.5° | 19330.5 | 19293.9 | 18053.1 | 16103.7 | 13998.0 | 12710.7 | 13079.9 | 13642.1 | 13725.3 | 13079.9 |
| 40°   | 22746.8 | 22610.4 | 21825.4 | 19945.9 | 17191.5 | 14946.1 | 14703.3 | 15075.8 | 15162.3 | 14397.2 |
| 42.5° | 25334.9 | 25218.4 | 24819.3 | 23645.0 | 21056.9 | 18252.7 | 16616.0 | 16759.1 | 16855.5 | 15937.4 |
| 45°   | 26675.5 | 26648.8 | 26808.5 | 26698.7 | 24995.6 | 22311.0 | 19350.4 | 18755.0 | 18791.6 | 17643.9 |
| 47.5° | 26865.1 | 26851.8 | 27580.3 | 28611.5 | 28382.0 | 26888.4 | 22859.9 | 21243.2 | 21113.5 | 19570.0 |
| 50°   | 25747.4 | 25720.7 | 27117.9 | 29050.6 | 30644.0 | 30733.8 | 26845.1 | 24047.5 | 23761.4 | 21562.6 |
| 52.5° | 22178.0 | 22171.3 | 24466.6 | 27683.4 | 31439.0 | 34100.3 | 30783.7 | 27127.9 | 26648.8 | 23671.6 |
| 55°   | 17065.1 | 17188.2 | 19819.5 | 23621.7 | 29988.7 | 35720.3 | 34319.8 | 30547.5 | 29812.4 | 25793.9 |
| 57.5° | 12088.6 | 12268.2 | 14869.6 | 18256.0 | 25491.2 | 34762.3 | 36711.6 | 33973.9 | 33182.2 | 27909.6 |
| 60°   | 6493.4  | 6653.1  | 9257.7  | 13299.5 | 18964.6 | 31189.6 | 37972.4 | 36947.8 | 36199.3 | 29918.8 |
| 62.5° | 3868.8  | 3922.0  | 4999.8  | 8585.8  | 12827.1 | 23827.9 | 37436.8 | 39213.2 | 38597.7 | 31605.4 |
| 65°   | 2777.7  | 2787.6  | 3329.9  | 5242.6  | 7787.4  | 14477.1 | 33681.1 | 40297.6 | 40108.0 | 32876.1 |
| 67.5° | 2338.6  | 2331.9  | 2558.1  | 3482.9  | 5305.8  | 7251.8  | 25813.9 | 38764.1 | 39569.1 | 33681.1 |
| 70°   | 2005.9  | 2015.9  | 2282.0  | 2551.4  | 3988.5  | 4104.9  | 12833.8 | 33751.0 | 35467.5 | 33894.0 |
| 72.5° | 1493.6  | 1526.9  | 1773.0  | 2325.2  | 3010.5  | 2824.2  | 4430.9  | 25025.5 | 28129.1 | 31934.7 |
| 75°   | 1054.5  | 1071.1  | 1247.4  | 1956.0  | 2245.4  | 2055.8  | 2262.0  | 12936.9 | 16915.4 | 24483.3 |
| 77.5° | 811.7   | 841.6   | 944.7   | 1367.2  | 2212.1  | 1443.7  | 1383.8  | 4477.5  | 6879.3  | 14789.8 |
| 80°   | 439.1   | 492.3   | 681.9   | 988.0   | 1553.5  | 1021.2  | 685.3   | 1783.0  | 2331.9  | 6915.9  |
| 82.5° | 226.2   | 252.8   | 475.7   | 711.9   | 884.9   | 891.5   | 339.3   | 741.8   | 961.4   | 2135.6  |
| 85°   | 89.8    | 109.8   | 319.3   | 392.5   | 455.7   | 439.1   | 153.0   | 299.4   | 346.0   | 592.1   |
| 87.5° | 20.0    | 33.3    | 116.4   | 89.8    | 86.5    | 93.1    | 36.6    | 69.9    | 66.5    | 69.9    |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 5967.8  | 0°    | 5967.8  | 5967.8  | 5967.8  | 5967.8 | 5967.8 | 5967.8 | 5967.8 | 5967.8 | 5967.8 | 5967.8 |
| 6007.7  | 2.5°  | 6004.4  | 5991.1  | 5954.5  | 5914.6 | 5868.0 | 5841.4 | 5824.8 | 5821.4 | 5798.1 | 5781.5 |
| 6140.8  | 5°    | 6104.2  | 6090.9  | 6021.0  | 5937.9 | 5848.0 | 5778.2 | 5711.7 | 5651.8 | 5565.3 | 5548.7 |
| 6333.7  | 7.5°  | 6303.8  | 6267.2  | 6154.1  | 6041.0 | 5871.3 | 5668.4 | 5422.2 | 5139.5 | 4886.7 | 4810.2 |
| 6589.9  | 10°   | 6549.9  | 6500.0  | 6357.0  | 6157.4 | 5781.5 | 5229.3 | 4633.9 | 4081.7 | 3642.6 | 3519.5 |
| 6892.6  | 12.5° | 6829.4  | 6786.1  | 6596.5  | 6227.3 | 5405.6 | 4404.3 | 3492.9 | 2807.6 | 2381.8 | 2275.3 |
| 7215.2  | 15°   | 7162.0  | 7098.8  | 6836.0  | 6120.8 | 4733.7 | 3346.5 | 2398.4 | 1992.6 | 1839.6 | 1819.6 |
| 7584.5  | 17.5° | 7514.6  | 7411.5  | 7048.9  | 5738.3 | 3828.8 | 2378.5 | 1852.9 | 1736.4 | 1669.9 | 1650.0 |
| 7957.1  | 20°   | 7837.3  | 7704.2  | 7175.3  | 5159.5 | 2860.8 | 1852.9 | 1659.9 | 1583.4 | 1523.6 | 1500.3 |
| 8329.6  | 22.5° | 8160.0  | 7970.4  | 7175.3  | 4371.1 | 2145.6 | 1643.3 | 1523.6 | 1453.7 | 1383.8 | 1353.9 |
| 8728.8  | 25°   | 8496.0  | 8243.1  | 7048.9  | 3492.9 | 1726.5 | 1506.9 | 1393.8 | 1317.3 | 1257.4 | 1220.8 |
| 9108.0  | 27.5° | 8822.0  | 8472.7  | 6759.5  | 2661.2 | 1536.9 | 1387.2 | 1274.1 | 1200.9 | 1144.3 | 1117.7 |
| 9520.5  | 30°   | 9131.3  | 8698.9  | 6353.7  | 2019.2 | 1413.8 | 1270.7 | 1164.3 | 1101.1 | 1044.5 | 1017.9 |
| 10056.1 | 32.5° | 9550.5  | 8985.0  | 5921.2  | 1656.6 | 1307.3 | 1161.0 | 1064.5 | 1004.6 | 954.7  | 934.8  |
| 10751.3 | 35°   | 10132.6 | 9407.4  | 5548.7  | 1626.7 | 1217.5 | 1071.1 | 974.7  | 918.1  | 868.2  | 851.6  |
| 11649.5 | 37.5° | 10957.6 | 10089.4 | 5352.4  | 1826.3 | 1144.3 | 991.3  | 901.5  | 841.6  | 795.0  | 781.7  |
| 12790.5 | 40°   | 11975.5 | 11014.1 | 5458.8  | 2025.9 | 1094.4 | 921.4  | 835.0  | 775.1  | 735.2  | 718.5  |
| 14101.2 | 42.5° | 13183.0 | 12155.1 | 6047.6  | 2178.9 | 1061.2 | 861.6  | 771.8  | 705.2  | 678.6  | 672.0  |
| 15588.1 | 45°   | 14570.2 | 13409.2 | 6949.1  | 2341.9 | 1007.9 | 805.0  | 708.6  | 658.7  | 638.7  | 635.4  |
| 17204.8 | 47.5° | 16147.0 | 14786.4 | 7993.7  | 2544.8 | 954.7  | 751.8  | 658.7  | 625.4  | 608.8  | 602.1  |
| 18891.4 | 50°   | 17710.5 | 16173.6 | 9068.1  | 2657.9 | 911.5  | 701.9  | 618.7  | 592.1  | 578.8  | 575.5  |
| 20674.4 | 52.5° | 19347.1 | 17600.7 | 9936.3  | 2551.4 | 874.9  | 662.0  | 585.5  | 565.5  | 552.2  | 548.9  |
| 22317.7 | 55°   | 20907.2 | 18755.0 | 10086.0 | 2165.6 | 801.7  | 622.1  | 548.9  | 538.9  | 522.3  | 522.3  |
| 23984.3 | 57.5° | 22251.2 | 19333.8 | 9028.2  | 1590.1 | 728.5  | 562.2  | 512.3  | 502.3  | 489.0  | 485.7  |
| 25487.9 | 60°   | 23485.3 | 19167.5 | 6969.1  | 1071.1 | 648.7  | 502.3  | 465.7  | 459.1  | 445.8  | 429.1  |
| 26795.2 | 62.5° | 24180.6 | 18435.6 | 4766.9  | 698.6  | 568.8  | 439.1  | 412.5  | 409.2  | 379.2  | 346.0  |
| 27763.2 | 65°   | 24443.4 | 16932.0 | 2973.9  | 509.0  | 475.7  | 375.9  | 355.9  | 349.3  | 306.0  | 269.4  |
| 28312.1 | 67.5° | 24213.8 | 14457.1 | 1500.3  | 402.5  | 375.9  | 312.7  | 292.7  | 292.7  | 262.8  | 229.5  |
| 28278.8 | 70°   | 23295.7 | 10837.8 | 632.0   | 322.7  | 289.4  | 239.5  | 239.5  | 252.8  | 222.9  | 186.3  |
| 26811.8 | 72.5° | 21303.1 | 7291.8  | 336.0   | 246.2  | 216.2  | 169.7  | 196.3  | 206.2  | 176.3  | 139.7  |
| 21945.1 | 75°   | 16935.4 | 4447.6  | 232.9   | 183.0  | 136.4  | 119.8  | 149.7  | 156.3  | 119.8  | 93.1   |
| 15045.9 | 77.5° | 11583.0 | 2554.8  | 156.3   | 116.4  | 86.5   | 69.9   | 103.1  | 96.5   | 63.2   | 43.2   |
| 5801.5  | 80°   | 5086.3  | 1064.5  | 89.8    | 53.2   | 33.3   | 26.6   | 36.6   | 26.6   | 20.0   | 13.3   |
| 795.0   | 82.5° | 595.4   | 249.5   | 33.3    | 20.0   | 13.3   | 6.7    | 3.3    | 0.0    | 0.0    | 0.0    |
| 242.8   | 85°   | 123.1   | 29.9    | 16.6    | 6.7    | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 43.2    | 87.5° | 23.3    | 6.7     | 3.3     | 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°   |
|--------|
| 5967.8 |
| 5798.1 |
| 5542.0 |
| 4773.6 |
| 3472.9 |
| 2245.4 |
| 1799.7 |
| 1640.0 |
| 1487.0 |
| 1337.3 |
| 1207.5 |
| 1117.7 |
| 1021.2 |
| 934.8  |
| 851.6  |
| 778.4  |
| 715.2  |
| 672.0  |
| 632.0  |
| 602.1  |
| 575.5  |
| 548.9  |
| 518.9  |
| 482.3  |
| 425.8  |
| 339.3  |
| 266.1  |
| 226.2  |
| 183.0  |
| 139.7  |
| 89.8   |
| 46.6   |
| 13.3   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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