

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: P956210

Luminaire Tested: **GLAN-SB8D-935-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956210  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-935-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 44093 lumens  
Efficiency: N/A  
Efficacy: 75.4 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

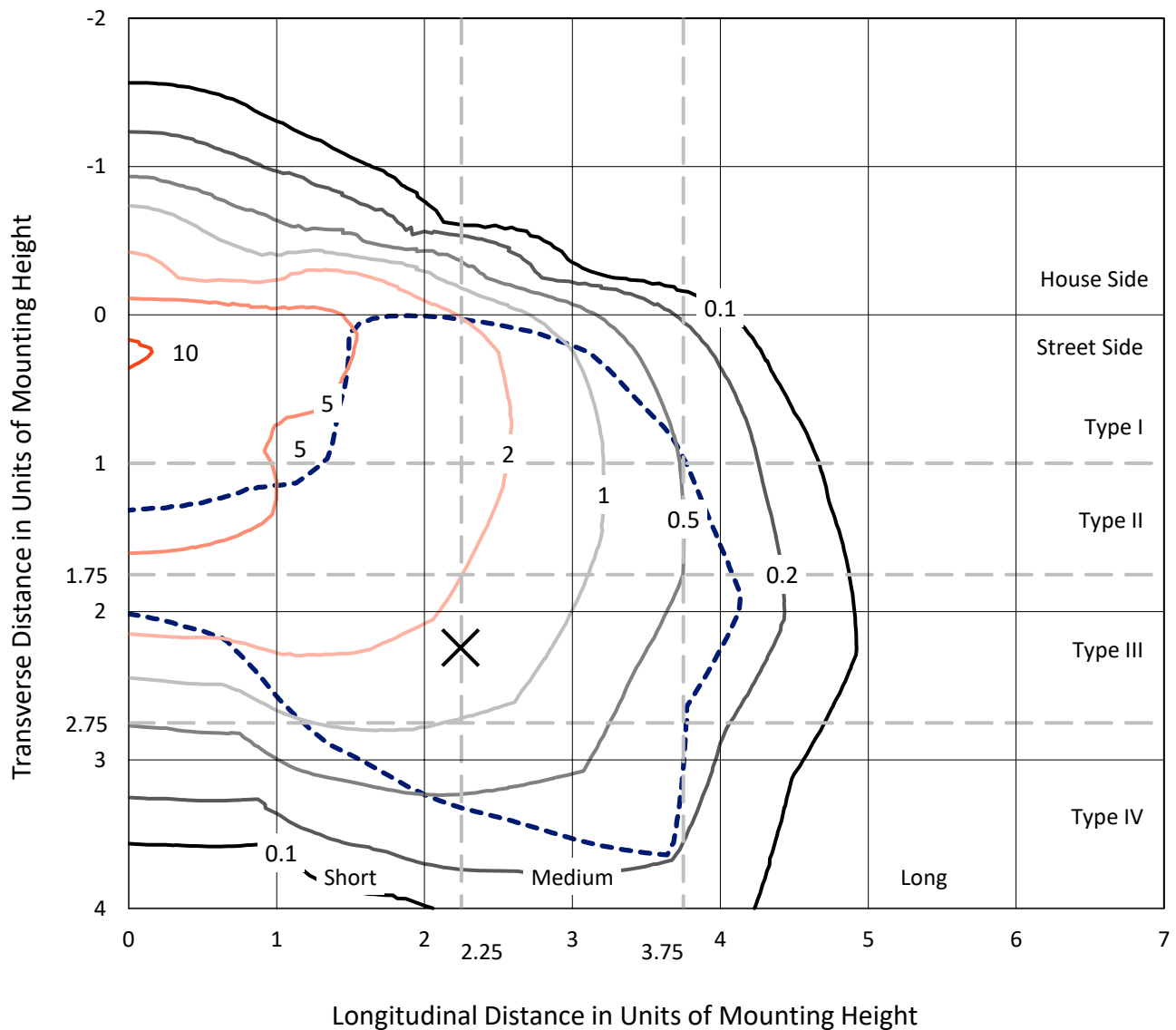
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

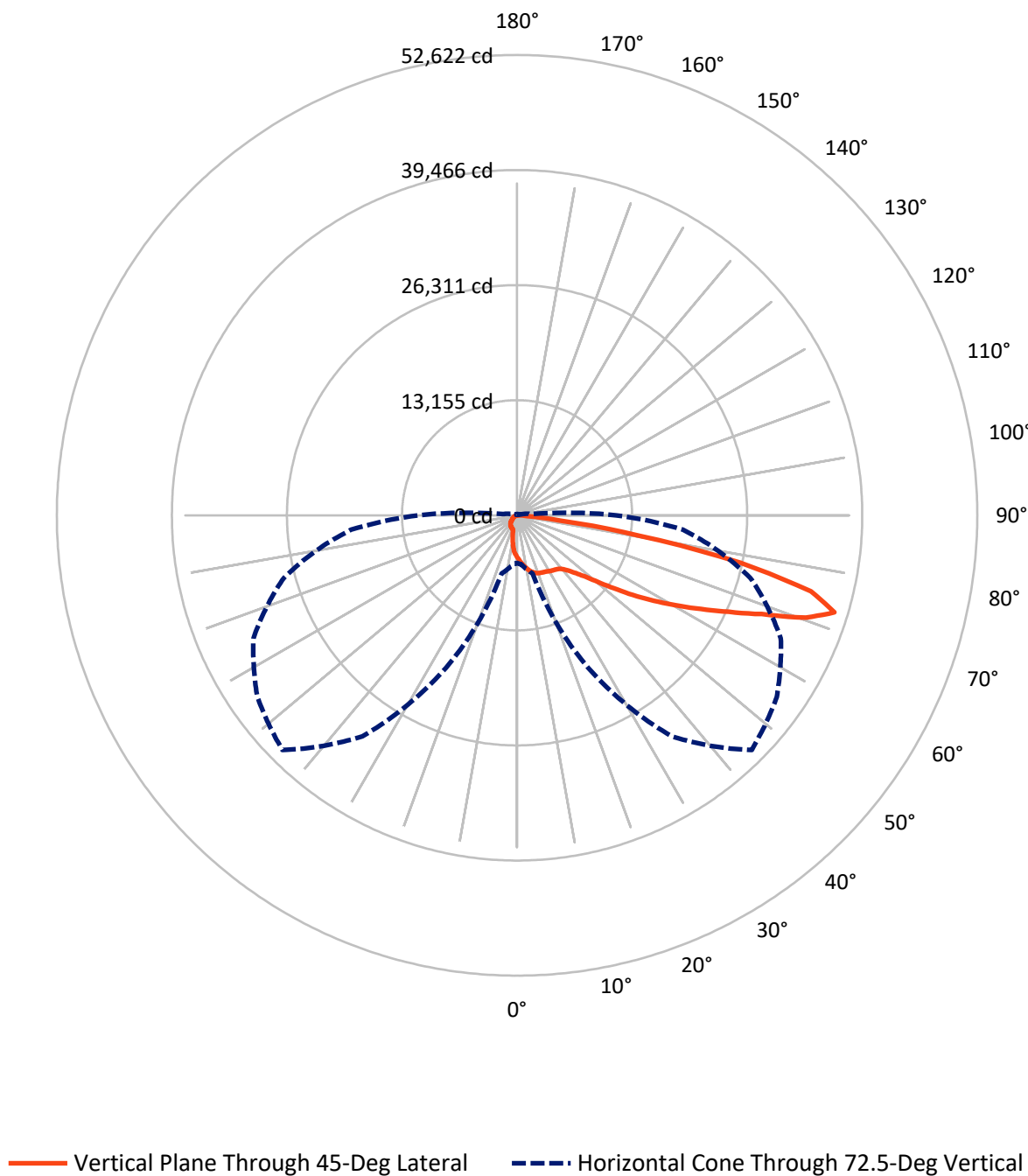
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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    | 4633.0   | 0.0    | 4633.0  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 39460.0  | 0.0    | 39460.0 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 44093.0  | 0.0    | 44093.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 455.1   | 1.0       |
| 10°-20°   | 1330.1  | 3.0       |
| 20°-30°   | 2184.3  | 5.0       |
| 30°-40°   | 3097.9  | 7.0       |
| 40°-50°   | 5120.4  | 11.6      |
| 50°-60°   | 9198.3  | 20.9      |
| 60°-70°   | 12772.3 | 29.0      |
| 70°-80°   | 9264.6  | 21.0      |
| 80°-90°   | 669.8   | 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°    | 44093.0 | 100.0     |
| 0°-180°   | 44093.0 | 100.0     |

**Coefficient of Utilization**



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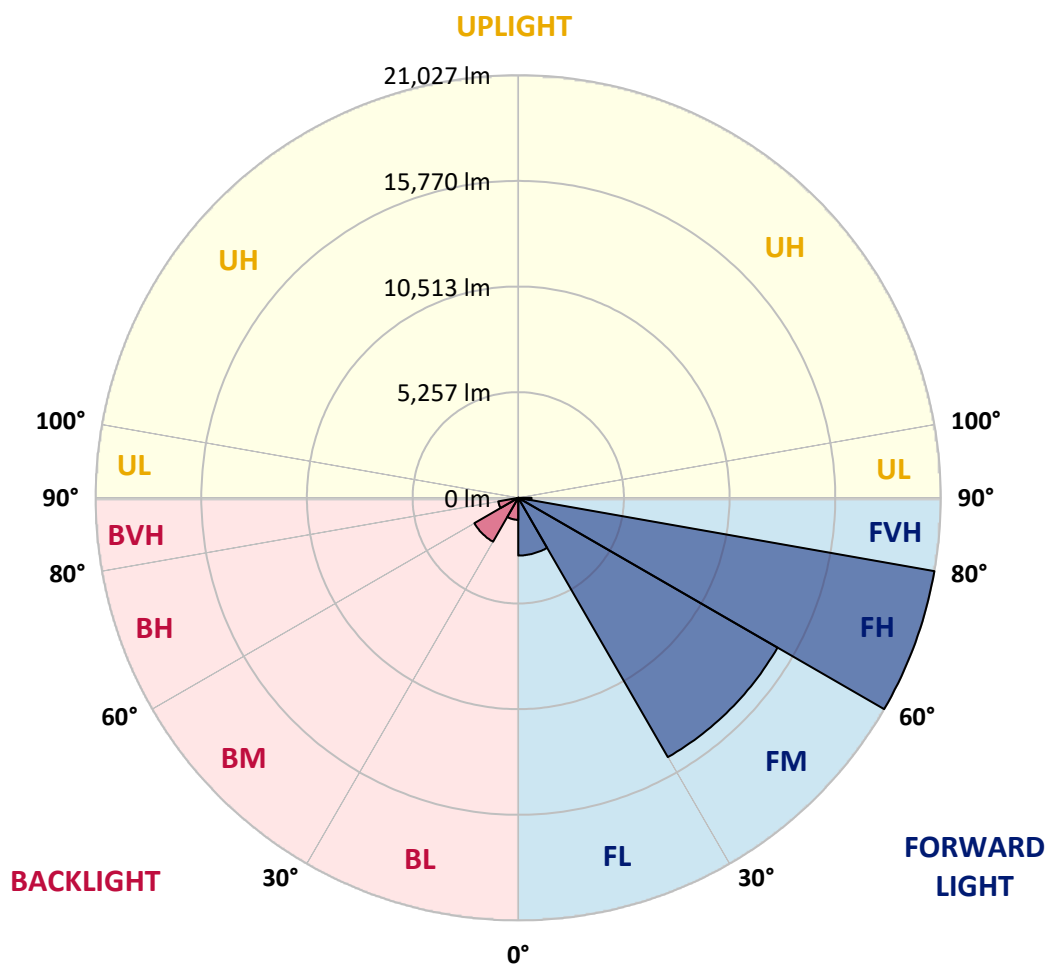
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2872.2  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 14897.0 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 21026.7 | 47.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 664.2   | 1.5       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1097.4  | 2.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2519.7  | 5.7       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1010.3  | 2.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 5.6     | 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°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4830.5  | 4830.5  | 4830.5  | 4830.5  | 4830.5  | 4830.5  | 4830.5  | 4830.5  | 4830.5  | 4830.5  |
| 2.5°  | 5275.9  | 5284.9  | 5278.9  | 5242.8  | 5182.6  | 5149.5  | 5131.4  | 5071.3  | 5032.1  | 4962.9  |
| 5°    | 5760.5  | 5796.6  | 5775.5  | 5703.3  | 5588.9  | 5507.7  | 5483.6  | 5360.2  | 5248.8  | 5119.4  |
| 7.5°  | 6275.1  | 6293.2  | 6254.0  | 6160.7  | 6007.3  | 5868.8  | 5847.7  | 5676.2  | 5498.6  | 5300.0  |
| 10°   | 6720.5  | 6741.6  | 6681.4  | 6546.0  | 6371.4  | 6199.9  | 6169.8  | 5980.2  | 5769.5  | 5525.7  |
| 12.5° | 7093.7  | 7114.8  | 7036.6  | 6874.0  | 6681.4  | 6503.8  | 6473.7  | 6275.1  | 6043.4  | 5772.5  |
| 15°   | 7376.6  | 7415.8  | 7310.4  | 7135.9  | 6928.2  | 6750.6  | 6735.6  | 6540.0  | 6314.2  | 6013.3  |
| 17.5° | 7542.2  | 7581.3  | 7482.0  | 7271.3  | 7093.7  | 6943.3  | 6925.2  | 6762.7  | 6552.0  | 6263.1  |
| 20°   | 7569.3  | 7605.4  | 7500.0  | 7316.4  | 7169.0  | 7048.6  | 7039.6  | 6922.2  | 6768.7  | 6491.8  |
| 22.5° | 7488.0  | 7533.1  | 7436.8  | 7289.4  | 7187.0  | 7123.8  | 7111.8  | 7045.6  | 6958.3  | 6723.5  |
| 25°   | 7403.7  | 7439.8  | 7367.6  | 7238.2  | 7184.0  | 7178.0  | 7187.0  | 7175.0  | 7156.9  | 6958.3  |
| 27.5° | 7397.7  | 7436.8  | 7355.6  | 7232.2  | 7202.1  | 7265.3  | 7274.3  | 7331.5  | 7346.5  | 7172.0  |
| 30°   | 7448.9  | 7476.0  | 7397.7  | 7268.3  | 7253.2  | 7397.7  | 7400.7  | 7503.0  | 7527.1  | 7352.6  |
| 32.5° | 7560.2  | 7590.3  | 7512.1  | 7322.5  | 7301.4  | 7503.0  | 7512.1  | 7647.5  | 7686.6  | 7545.2  |
| 35°   | 7822.1  | 7858.2  | 7767.9  | 7473.0  | 7397.7  | 7602.4  | 7629.5  | 7789.0  | 7867.2  | 7749.8  |
| 37.5° | 8475.2  | 8369.8  | 8246.4  | 7776.9  | 7617.4  | 7758.9  | 7804.0  | 7990.6  | 8129.1  | 7993.6  |
| 40°   | 10097.4 | 9766.3  | 9381.1  | 8294.6  | 8002.6  | 8092.9  | 8129.1  | 8315.7  | 8505.3  | 8372.8  |
| 42.5° | 12532.2 | 12140.9 | 11520.9 | 9486.4  | 8583.5  | 8628.7  | 8655.7  | 8818.3  | 9086.1  | 8980.8  |
| 45°   | 14702.1 | 14560.7 | 13928.6 | 11520.9 | 9670.0  | 9447.3  | 9480.4  | 9564.7  | 9958.9  | 9919.8  |
| 47.5° | 16369.5 | 16288.2 | 15800.6 | 13856.4 | 11505.9 | 10449.5 | 10542.8 | 10581.9 | 11150.7 | 11289.2 |
| 50°   | 17651.6 | 17621.5 | 17185.1 | 15933.1 | 13904.6 | 11927.2 | 11960.3 | 11876.1 | 12727.8 | 13070.9 |
| 52.5° | 18861.5 | 18963.8 | 18641.7 | 17862.2 | 16465.8 | 13862.4 | 13856.4 | 13459.1 | 14608.8 | 15126.5 |
| 55°   | 19954.0 | 19990.1 | 20023.2 | 19830.6 | 19042.0 | 16065.5 | 16008.3 | 15358.2 | 16790.8 | 17326.5 |
| 57.5° | 20980.2 | 20995.3 | 21290.2 | 21684.5 | 21723.6 | 18431.1 | 18325.7 | 17546.2 | 19174.5 | 19556.7 |
| 60°   | 21669.5 | 21738.7 | 22361.7 | 23457.2 | 23935.7 | 20871.9 | 20814.7 | 20020.2 | 21600.2 | 21777.8 |
| 62.5° | 20676.3 | 21097.6 | 22668.7 | 24841.6 | 26024.4 | 23577.6 | 23550.5 | 22804.1 | 24152.4 | 24007.9 |
| 65°   | 16736.6 | 17449.9 | 20212.8 | 25777.6 | 28074.0 | 26599.3 | 26638.4 | 25843.8 | 26773.8 | 26304.3 |
| 67.5° | 11707.5 | 12459.9 | 15728.4 | 25852.9 | 30364.3 | 30147.6 | 30373.3 | 29127.4 | 29557.7 | 28504.4 |
| 70°   | 8095.9  | 8484.2  | 10612.0 | 24233.7 | 32149.0 | 35035.3 | 35029.3 | 33160.3 | 32326.6 | 29506.6 |
| 72.5° | 5444.4  | 5646.1  | 6892.1  | 19225.6 | 30836.8 | 37939.6 | 37765.0 | 36242.2 | 33259.6 | 27595.4 |
| 75°   | 2296.4  | 2443.8  | 3190.2  | 10804.6 | 24396.2 | 34710.2 | 34237.7 | 32028.7 | 29551.7 | 21729.6 |
| 77.5° | 728.3   | 791.5   | 1258.0  | 3867.4  | 13438.1 | 26090.6 | 25591.0 | 20002.1 | 19806.5 | 10900.9 |
| 80°   | 346.1   | 403.3   | 707.3   | 1553.0  | 5287.9  | 14190.5 | 14121.3 | 9074.1  | 8520.3  | 2943.4  |
| 82.5° | 150.5   | 177.6   | 391.3   | 830.7   | 2365.6  | 5062.2  | 5164.6  | 3087.9  | 2555.2  | 1116.6  |
| 85°   | 48.2    | 63.2    | 180.6   | 382.2   | 999.2   | 1258.0  | 1243.0  | 734.4   | 1029.3  | 607.9   |
| 87.5° | 0.0     | 0.0     | 60.2    | 87.3    | 102.3   | 72.2    | 81.3    | 63.2    | 285.9   | 168.5   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4830.5  | 0°    | 4830.5  | 4830.5  | 4830.5 | 4830.5 | 4830.5 | 4830.5 | 4830.5 | 4830.5 | 4830.5 | 4830.5 |
| 4890.7  | 2.5°  | 4854.6  | 4806.4  | 4722.1 | 4643.9 | 4574.7 | 4505.4 | 4463.3 | 4403.1 | 4397.1 | 4397.1 |
| 4968.9  | 5°    | 4887.7  | 4809.4  | 4658.9 | 4499.4 | 4315.8 | 4141.3 | 3966.7 | 3798.2 | 3744.0 | 3704.9 |
| 5095.3  | 7.5°  | 4984.0  | 4860.6  | 4622.8 | 4318.8 | 3969.7 | 3587.5 | 3319.6 | 3030.7 | 2919.4 | 2859.2 |
| 5263.9  | 10°   | 5122.4  | 4953.9  | 4592.7 | 4060.0 | 3494.2 | 2973.5 | 2591.3 | 2278.3 | 2157.9 | 2106.8 |
| 5447.5  | 12.5° | 5275.9  | 5068.2  | 4538.5 | 3738.0 | 2973.5 | 2350.5 | 1977.3 | 1832.9 | 1814.8 | 1814.8 |
| 5667.2  | 15°   | 5459.5  | 5206.7  | 4445.2 | 3358.8 | 2428.8 | 1860.0 | 1727.5 | 1733.6 | 1751.6 | 1763.7 |
| 5880.8  | 17.5° | 5649.1  | 5354.2  | 4297.8 | 2934.4 | 1947.2 | 1673.4 | 1676.4 | 1685.4 | 1700.5 | 1712.5 |
| 6112.6  | 20°   | 5853.8  | 5501.6  | 4102.1 | 2483.0 | 1670.4 | 1619.2 | 1628.2 | 1637.2 | 1649.3 | 1655.3 |
| 6329.3  | 22.5° | 6073.5  | 5640.1  | 3870.4 | 2040.5 | 1577.1 | 1574.0 | 1577.1 | 1586.1 | 1601.1 | 1601.1 |
| 6582.1  | 25°   | 6308.2  | 5793.6  | 3605.6 | 1718.5 | 1528.9 | 1528.9 | 1534.9 | 1540.9 | 1553.0 | 1553.0 |
| 6825.9  | 27.5° | 6549.0  | 5935.0  | 3325.7 | 1550.0 | 1486.8 | 1483.8 | 1483.8 | 1492.8 | 1498.8 | 1501.8 |
| 7066.6  | 30°   | 6813.8  | 6100.6  | 3045.8 | 1513.9 | 1453.7 | 1438.6 | 1429.6 | 1435.6 | 1441.6 | 1444.6 |
| 7319.5  | 32.5° | 7084.7  | 6260.1  | 2796.0 | 1528.9 | 1420.6 | 1393.5 | 1363.4 | 1357.4 | 1357.4 | 1369.4 |
| 7581.3  | 35°   | 7385.7  | 6434.6  | 2603.3 | 1580.1 | 1402.5 | 1327.3 | 1279.1 | 1252.0 | 1255.0 | 1273.1 |
| 7894.3  | 37.5° | 7746.8  | 6645.3  | 2461.9 | 1625.2 | 1390.5 | 1252.0 | 1173.8 | 1140.7 | 1119.6 | 1140.7 |
| 8324.7  | 40°   | 8219.3  | 6955.3  | 2359.6 | 1661.3 | 1375.4 | 1164.7 | 1059.4 | 1005.2 | 966.1  | 978.1  |
| 8992.8  | 42.5° | 8914.6  | 7442.9  | 2320.4 | 1664.3 | 1342.3 | 1062.4 | 942.0  | 869.8  | 812.6  | 815.6  |
| 9998.0  | 45°   | 9889.7  | 8213.3  | 2522.1 | 1625.2 | 1270.1 | 951.0  | 818.6  | 722.3  | 686.2  | 677.2  |
| 11499.9 | 47.5° | 11226.0 | 9335.9  | 2988.6 | 1543.9 | 1164.7 | 842.7  | 698.2  | 617.0  | 589.9  | 574.8  |
| 13471.2 | 50°   | 13016.7 | 10777.5 | 3506.2 | 1453.7 | 1059.4 | 740.4  | 598.9  | 547.8  | 529.7  | 514.6  |
| 15809.7 | 52.5° | 15093.4 | 12240.2 | 3930.6 | 1363.4 | 954.1  | 650.1  | 535.7  | 505.6  | 490.6  | 478.5  |
| 18066.9 | 55°   | 16998.5 | 13248.5 | 3906.5 | 1267.1 | 851.7  | 577.9  | 490.6  | 472.5  | 454.5  | 442.4  |
| 20011.1 | 57.5° | 18184.3 | 13389.9 | 3220.3 | 1161.7 | 734.4  | 520.7  | 448.4  | 436.4  | 415.3  | 400.3  |
| 21693.5 | 60°   | 18729.0 | 12583.3 | 2257.2 | 1023.3 | 617.0  | 466.5  | 403.3  | 397.3  | 370.2  | 349.1  |
| 23285.6 | 62.5° | 18828.3 | 11084.5 | 1504.8 | 851.7  | 514.6  | 415.3  | 358.1  | 349.1  | 313.0  | 276.9  |
| 24579.8 | 65°   | 18425.1 | 8941.7  | 1041.3 | 665.1  | 439.4  | 361.2  | 307.0  | 288.9  | 249.8  | 213.7  |
| 24886.8 | 67.5° | 17149.0 | 6278.1  | 725.3  | 478.5  | 373.2  | 285.9  | 243.8  | 237.8  | 207.7  | 177.6  |
| 23321.7 | 70°   | 14810.5 | 3578.5  | 484.6  | 358.1  | 294.9  | 195.6  | 192.6  | 198.6  | 168.5  | 144.5  |
| 19054.1 | 72.5° | 11355.4 | 1637.2  | 301.0  | 261.8  | 201.6  | 132.4  | 153.5  | 156.5  | 129.4  | 108.3  |
| 11888.1 | 75°   | 6684.4  | 701.2   | 189.6  | 168.5  | 102.3  | 87.3   | 111.4  | 114.4  | 87.3   | 69.2   |
| 4345.9  | 77.5° | 2275.3  | 264.8   | 120.4  | 99.3   | 51.2   | 48.2   | 72.2   | 72.2   | 48.2   | 27.1   |
| 872.8   | 80°   | 517.7   | 99.3    | 60.2   | 39.1   | 24.1   | 21.1   | 24.1   | 21.1   | 12.0   | 3.0    |
| 267.9   | 82.5° | 147.5   | 39.1    | 24.1   | 15.0   | 9.0    | 9.0    | 3.0    | 0.0    | 0.0    | 0.0    |
| 93.3    | 85°   | 42.1    | 18.1    | 6.0    | 6.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 33.1    | 87.5° | 18.1    | 3.0     | 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°   |
|--------|
| 4830.5 |
| 4412.1 |
| 3722.9 |
| 2868.2 |
| 2106.8 |
| 1814.8 |
| 1763.7 |
| 1712.5 |
| 1658.3 |
| 1607.2 |
| 1556.0 |
| 1504.8 |
| 1450.6 |
| 1378.4 |
| 1282.1 |
| 1134.6 |
| 972.1  |
| 803.6  |
| 665.1  |
| 565.8  |
| 511.6  |
| 475.5  |
| 436.4  |
| 397.3  |
| 343.1  |
| 258.8  |
| 201.6  |
| 168.5  |
| 132.4  |
| 96.3   |
| 60.2   |
| 21.1   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |