

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: P944067

Luminaire Tested: **GLAN-SB8D-830-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-830-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 73987 lumens  
Efficiency: N/A  
Efficacy: 126.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - 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



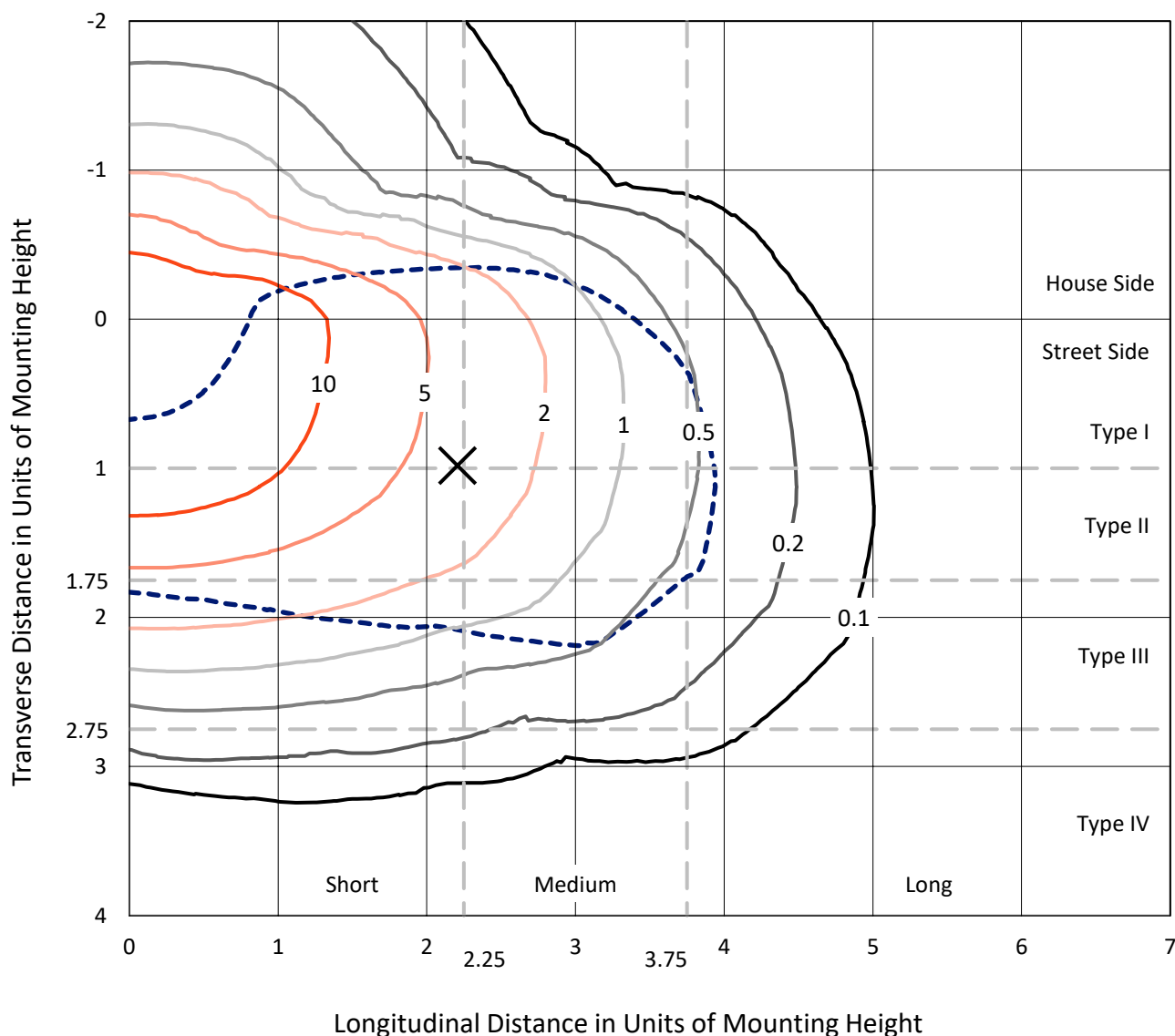
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

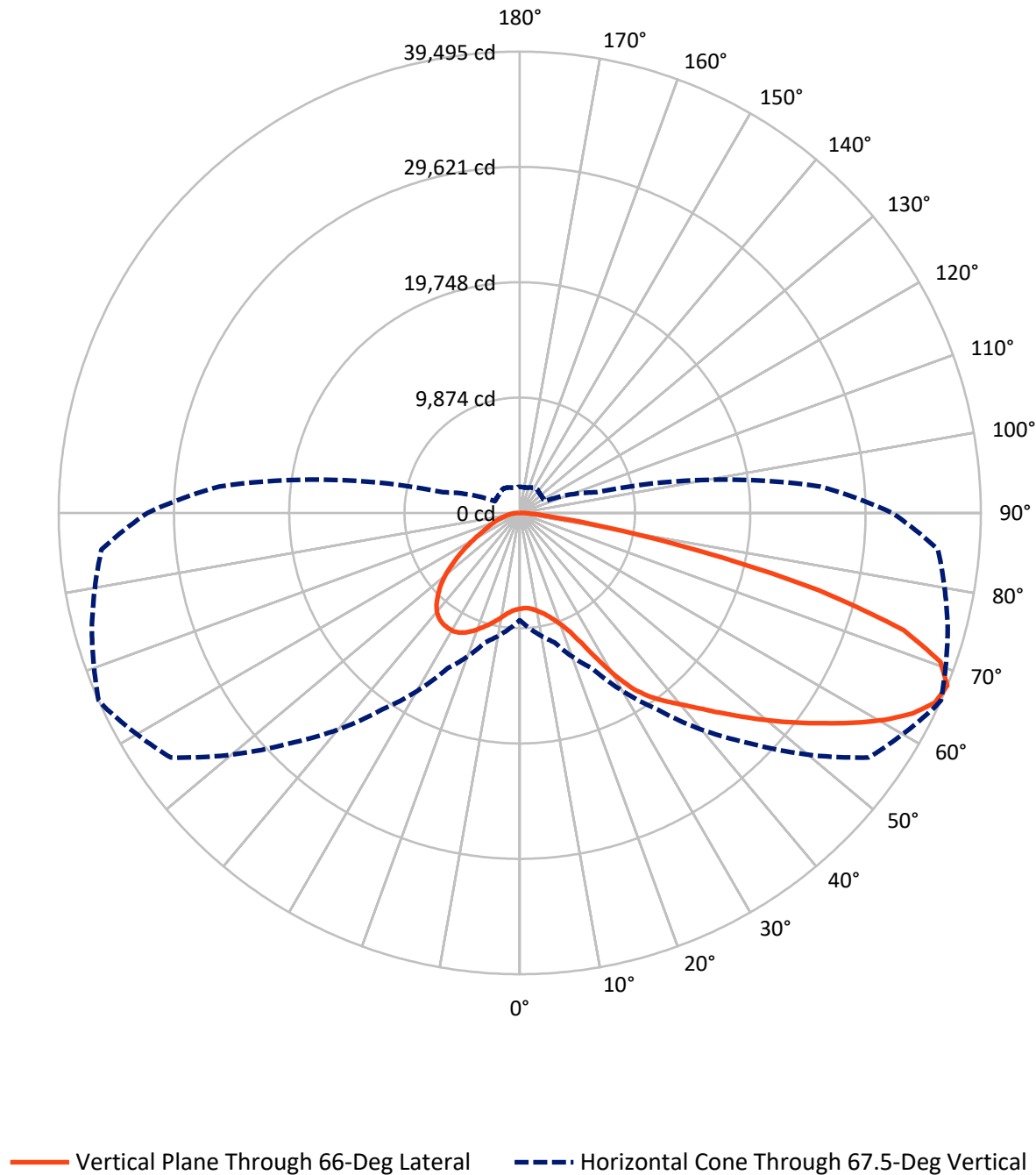
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 fc  
Type III - 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    | 18396.7  | 0.0    | 18396.7 |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 55590.3  | 0.0    | 55590.3 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 73987.0  | 0.0    | 73987.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 813.6   | 1.1       |
| 10°-20°   | 2688.0  | 3.6       |
| 20°-30°   | 5181.1  | 7.0       |
| 30°-40°   | 9084.3  | 12.3      |
| 40°-50°   | 13505.4 | 18.3      |
| 50°-60°   | 17119.4 | 23.1      |
| 60°-70°   | 16750.9 | 22.6      |
| 70°-80°   | 7990.3  | 10.8      |
| 80°-90°   | 853.9   | 1.2       |
| 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°    | 73987.0 | 100.0     |
| 0°-180°   | 73987.0 | 100.0     |

**Coefficient of Utilization**



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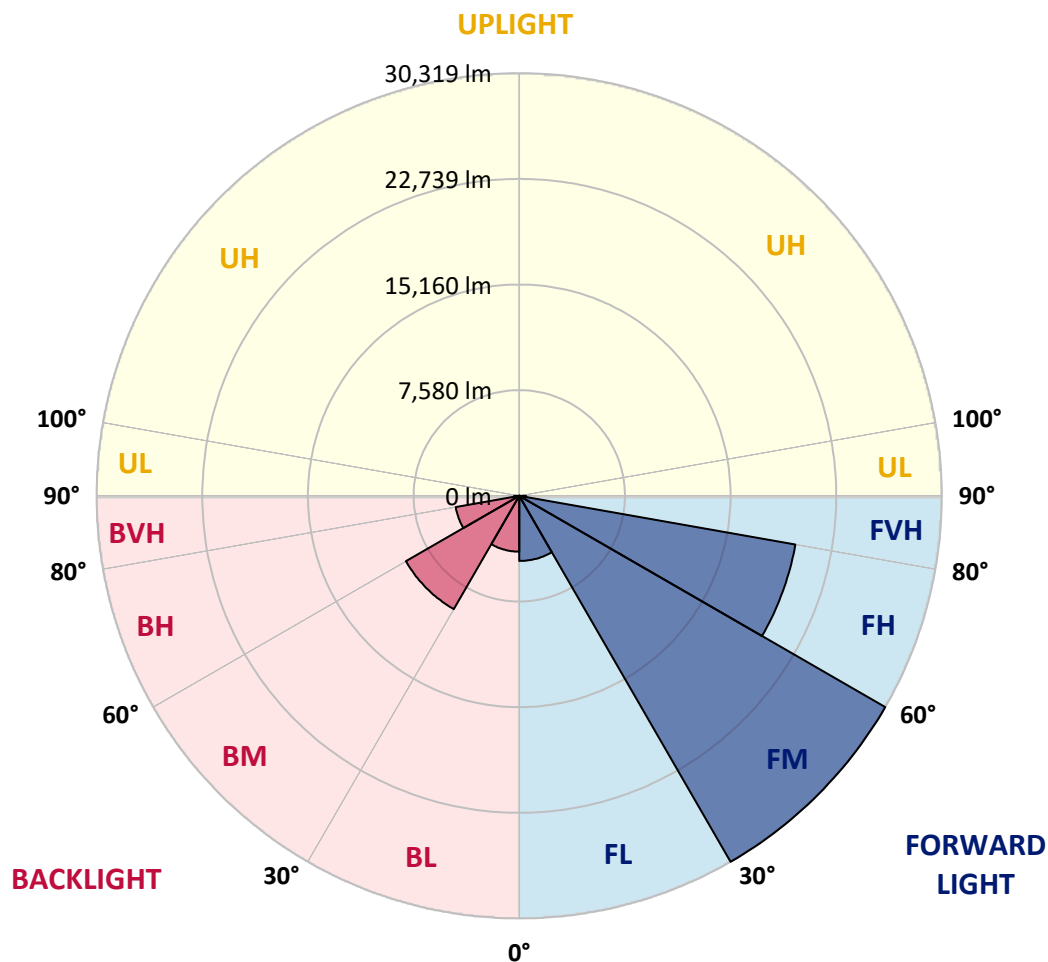
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4675.2  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 30319.2 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 20111.7 | 27.2      |                         |      | G5      |
| FVH  | (80°-90°)   | 484.2   | 0.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 4007.5  | 5.4       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 9389.9  | 12.7      | B5                      |      |         |
| BH   | (60°-80°)   | 4629.5  | 6.3       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 369.8   | 0.5       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G5**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8206.1  | 8206.1  | 8206.1  | 8206.1  | 8206.1  | 8206.1  | 8206.1  | 8206.1  | 8206.1  | 8206.1  |
| 2.5°  | 8120.6  | 8167.3  | 8155.6  | 8136.2  | 8132.3  | 8140.1  | 8151.7  | 8163.4  | 8159.5  | 8178.9  |
| 5°    | 8097.3  | 8143.9  | 8140.1  | 8140.1  | 8155.6  | 8186.7  | 8206.1  | 8225.6  | 8206.1  | 8229.5  |
| 7.5°  | 8112.8  | 8147.8  | 8163.4  | 8178.9  | 8217.8  | 8276.1  | 8322.8  | 8365.5  | 8342.2  | 8369.4  |
| 10°   | 8311.1  | 8338.3  | 8353.9  | 8353.9  | 8381.1  | 8447.2  | 8493.8  | 8571.5  | 8552.1  | 8594.9  |
| 12.5° | 8672.6  | 8699.8  | 8699.8  | 8684.3  | 8703.7  | 8746.5  | 8762.0  | 8847.5  | 8812.6  | 8882.5  |
| 15°   | 9115.8  | 9170.2  | 9127.4  | 9100.2  | 9108.0  | 9150.8  | 9146.9  | 9213.0  | 9178.0  | 9236.3  |
| 17.5° | 9605.6  | 9675.5  | 9605.6  | 9601.7  | 9586.1  | 9632.8  | 9636.7  | 9695.0  | 9632.8  | 9675.5  |
| 20°   | 10184.8 | 10282.0 | 10223.7 | 10243.1 | 10208.1 | 10227.5 | 10247.0 | 10332.5 | 10235.3 | 10266.4 |
| 22.5° | 11001.1 | 11117.7 | 11055.5 | 11129.4 | 11106.1 | 11090.5 | 11086.6 | 11238.2 | 11086.6 | 11098.3 |
| 25°   | 12190.6 | 12330.6 | 12221.7 | 12322.8 | 12322.8 | 12373.3 | 12431.7 | 12626.0 | 12373.3 | 12299.5 |
| 27.5° | 13947.7 | 14087.7 | 13873.9 | 13936.0 | 13916.6 | 14041.0 | 13978.8 | 14460.8 | 14188.7 | 14068.2 |
| 30°   | 16062.4 | 16311.2 | 15906.9 | 15891.4 | 15871.9 | 16070.2 | 16159.6 | 16478.4 | 16202.4 | 16081.8 |
| 32.5° | 18348.2 | 18608.6 | 18126.6 | 17986.6 | 17912.8 | 18033.3 | 17959.4 | 18216.0 | 18025.5 | 17838.9 |
| 35°   | 20766.1 | 21022.6 | 20563.9 | 20291.8 | 19996.4 | 19743.7 | 19479.4 | 19545.5 | 19366.6 | 19082.9 |
| 37.5° | 23051.8 | 23522.2 | 23036.3 | 22744.7 | 22200.5 | 21706.8 | 20968.2 | 20661.1 | 20494.0 | 20233.5 |
| 40°   | 25380.3 | 25648.5 | 25279.3 | 25030.5 | 24439.6 | 23666.0 | 22484.3 | 21835.1 | 21609.6 | 21356.9 |
| 42.5° | 27094.6 | 27351.2 | 27152.9 | 26981.9 | 26519.3 | 25621.3 | 24093.6 | 23281.2 | 22954.6 | 22670.9 |
| 45°   | 28455.2 | 28645.7 | 28521.3 | 28583.5 | 28385.2 | 27514.5 | 25761.3 | 24832.2 | 24494.0 | 24148.0 |
| 47.5° | 29003.3 | 29205.4 | 29403.7 | 29773.0 | 30111.2 | 29469.8 | 27553.3 | 26511.5 | 26153.9 | 25800.2 |
| 50°   | 28941.1 | 29147.1 | 29722.5 | 30507.7 | 31557.3 | 31343.5 | 29442.6 | 28299.7 | 27969.3 | 27565.0 |
| 52.5° | 28443.5 | 28676.8 | 29415.4 | 30721.5 | 32393.1 | 32746.8 | 31366.8 | 30146.2 | 29835.2 | 29353.2 |
| 55°   | 27137.4 | 27277.3 | 28385.2 | 30235.6 | 32591.3 | 33726.4 | 33252.1 | 32113.2 | 31802.2 | 31129.7 |
| 57.5° | 24715.6 | 24917.7 | 26531.0 | 28925.6 | 32093.7 | 34391.1 | 34908.1 | 34181.2 | 33881.9 | 32914.0 |
| 60°   | 21555.2 | 21877.8 | 23724.3 | 26725.3 | 30826.5 | 34387.2 | 36412.5 | 36214.3 | 35965.5 | 34671.0 |
| 62.5° | 17978.9 | 18352.0 | 20128.6 | 23615.5 | 28610.7 | 33411.5 | 37353.3 | 37916.9 | 37788.7 | 36292.0 |
| 65°   | 13807.8 | 14064.3 | 15833.1 | 19592.1 | 25162.6 | 31316.3 | 37462.1 | 39079.2 | 39102.6 | 37524.3 |
| 67.5° | 9193.5  | 9932.1  | 11467.6 | 14701.9 | 20544.5 | 27891.5 | 36505.8 | 39269.7 | 39495.2 | 37948.0 |
| 70°   | 4486.0  | 5457.8  | 6962.2  | 9555.0  | 14701.9 | 22639.8 | 34006.3 | 37707.0 | 38208.5 | 36711.9 |
| 72.5° | 1862.0  | 2176.9  | 2997.1  | 4715.3  | 8439.4  | 15277.2 | 28983.9 | 33469.8 | 34398.9 | 32529.1 |
| 75°   | 1255.6  | 1360.6  | 1714.3  | 2417.9  | 3844.6  | 7533.6  | 20902.1 | 24956.6 | 26453.2 | 24567.9 |
| 77.5° | 967.9   | 1034.0  | 1247.8  | 1691.0  | 2285.7  | 2849.4  | 11187.7 | 15040.0 | 15813.6 | 14639.7 |
| 80°   | 761.9   | 812.5   | 933.0   | 1232.3  | 1621.0  | 1523.8  | 3813.5  | 6814.5  | 7261.5  | 6091.4  |
| 82.5° | 660.8   | 680.3   | 668.6   | 835.8   | 1076.8  | 890.2   | 1251.7  | 2515.1  | 2775.5  | 2013.6  |
| 85°   | 478.1   | 532.6   | 555.9   | 517.0   | 571.4   | 450.9   | 513.1   | 890.2   | 979.6   | 874.6   |
| 87.5° | 194.4   | 287.7   | 353.7   | 334.3   | 209.9   | 128.3   | 159.4   | 260.5   | 299.3   | 326.5   |
| 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°   |
|---------|-------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 8206.1  | 0°    | 8206.1  | 8206.1  | 8206.1  | 8206.1  | 8206.1  | 8206.1 | 8206.1 | 8206.1 | 8206.1 | 8206.1 |
| 8210.0  | 2.5°  | 8213.9  | 8241.1  | 8260.6  | 8283.9  | 8299.4  | 8322.8 | 8369.4 | 8396.6 | 8400.5 | 8419.9 |
| 8272.2  | 5°    | 8287.8  | 8326.6  | 8369.4  | 8431.6  | 8501.6  | 8559.9 | 8649.3 | 8711.5 | 8734.8 | 8754.2 |
| 8423.8  | 7.5°  | 8447.2  | 8501.6  | 8579.3  | 8688.2  | 8789.2  | 8867.0 | 8975.8 | 9049.7 | 9123.5 | 9150.8 |
| 8664.8  | 10°   | 8684.3  | 8762.0  | 8874.8  | 9022.5  | 9131.3  | 9232.4 | 9345.1 | 9407.3 | 9481.2 | 9512.3 |
| 8952.5  | 12.5° | 8979.7  | 9061.3  | 9209.1  | 9415.1  | 9516.2  | 9586.1 | 9625.0 | 9609.5 | 9625.0 | 9652.2 |
| 9298.5  | 15°   | 9317.9  | 9407.3  | 9574.5  | 9796.1  | 9866.0  | 9803.8 | 9718.3 | 9640.6 | 9628.9 | 9636.7 |
| 9718.3  | 17.5° | 9718.3  | 9784.4  | 9978.8  | 10165.3 | 10114.8 | 9858.2 | 9671.7 | 9547.3 | 9485.1 | 9465.6 |
| 10254.8 | 20°   | 10278.1 | 10278.1 | 10437.5 | 10554.1 | 10215.9 | 9780.5 | 9489.0 | 9286.8 | 9158.5 | 9104.1 |
| 10985.6 | 22.5° | 10958.4 | 10896.2 | 10997.2 | 10915.6 | 10196.4 | 9562.8 | 9158.5 | 8808.7 | 8614.3 | 8536.6 |
| 12007.9 | 25°   | 11821.3 | 11747.5 | 11720.3 | 11214.9 | 10056.5 | 9216.8 | 8559.9 | 8136.2 | 7965.1 | 7922.4 |
| 13481.2 | 27.5° | 13123.6 | 12937.0 | 12583.3 | 11378.2 | 9799.9  | 8672.6 | 7860.2 | 7467.5 | 7370.4 | 7374.2 |
| 15374.4 | 30°   | 14857.3 | 14484.2 | 13617.3 | 11405.4 | 9380.1  | 7902.9 | 7144.9 | 6865.0 | 6818.4 | 6837.8 |
| 16964.3 | 32.5° | 16462.8 | 16109.1 | 14674.6 | 11281.0 | 8734.8  | 7148.8 | 6503.5 | 6316.9 | 6246.9 | 6270.2 |
| 18177.1 | 35°   | 17722.3 | 17625.1 | 15654.2 | 11106.1 | 7941.8  | 6441.3 | 5928.2 | 5768.8 | 5632.7 | 5601.6 |
| 19320.0 | 37.5° | 18911.8 | 18872.9 | 16388.9 | 10861.2 | 7156.6  | 5939.8 | 5465.6 | 5255.7 | 5057.4 | 4948.6 |
| 20583.4 | 40°   | 20218.0 | 20179.1 | 16871.0 | 10484.1 | 6460.7  | 5504.4 | 5049.6 | 4773.6 | 4528.7 | 4330.5 |
| 22013.9 | 42.5° | 21687.4 | 21458.0 | 17100.3 | 9943.8  | 5869.9  | 5135.2 | 4711.4 | 4338.3 | 4015.6 | 3832.9 |
| 23631.0 | 45°   | 23292.8 | 22775.8 | 17096.4 | 9255.7  | 5372.3  | 4797.0 | 4349.9 | 3821.2 | 3521.9 | 3350.9 |
| 25290.9 | 47.5° | 24995.5 | 24035.3 | 16886.5 | 8493.8  | 4890.3  | 4423.8 | 3790.1 | 3385.9 | 3187.6 | 3082.6 |
| 27094.6 | 50°   | 26752.5 | 25213.2 | 16528.9 | 7619.2  | 4396.6  | 4000.1 | 3440.3 | 3164.3 | 3012.7 | 2915.5 |
| 28882.8 | 52.5° | 28404.7 | 26282.2 | 16097.4 | 6627.9  | 3895.1  | 3588.0 | 3284.8 | 3071.0 | 2911.6 | 2802.8 |
| 30616.5 | 55°   | 29940.2 | 27203.5 | 15487.1 | 5613.3  | 3486.9  | 3312.0 | 3210.9 | 3032.1 | 2849.4 | 2721.1 |
| 32377.5 | 57.5° | 31304.6 | 27802.1 | 14433.6 | 4660.9  | 3195.4  | 3121.5 | 3133.2 | 2966.0 | 2756.1 | 2647.3 |
| 34111.2 | 60°   | 32439.7 | 28241.4 | 12874.8 | 3778.5  | 2958.3  | 2934.9 | 3012.7 | 2841.6 | 2596.7 | 2472.3 |
| 35576.8 | 62.5° | 33120.0 | 28233.6 | 10962.2 | 3094.3  | 2756.1  | 2763.9 | 2853.3 | 2686.1 | 2437.4 | 2320.7 |
| 36342.6 | 65°   | 33061.7 | 27541.7 | 8863.1  | 2647.3  | 2561.7  | 2569.5 | 2686.1 | 2515.1 | 2305.2 | 2235.2 |
| 35957.7 | 67.5° | 31891.6 | 25854.6 | 6798.9  | 2355.7  | 2347.9  | 2382.9 | 2519.0 | 2398.5 | 2223.5 | 2215.8 |
| 33664.2 | 70°   | 28723.4 | 22352.1 | 4898.0  | 2122.5  | 2126.4  | 2176.9 | 2355.7 | 2324.6 | 2180.8 | 2196.3 |
| 28303.6 | 72.5° | 23032.4 | 17042.0 | 3288.7  | 1877.6  | 1881.5  | 1963.1 | 2200.2 | 2266.3 | 2138.0 | 2344.1 |
| 20081.9 | 75°   | 15339.4 | 10627.9 | 2114.7  | 1617.1  | 1621.0  | 1726.0 | 2064.2 | 2153.6 | 2021.4 | 2336.3 |
| 10449.1 | 77.5° | 7370.4  | 4777.5  | 1531.6  | 1360.6  | 1360.6  | 1457.7 | 1784.3 | 1928.1 | 1722.1 | 1815.4 |
| 3358.6  | 80°   | 2546.2  | 1795.9  | 1205.1  | 1096.2  | 1072.9  | 1139.0 | 1504.4 | 1671.5 | 1485.0 | 1368.3 |
| 1096.2  | 82.5° | 1002.9  | 933.0   | 967.9   | 851.3   | 773.6   | 816.3  | 1170.1 | 1380.0 | 1092.3 | 987.4  |
| 618.1   | 85°   | 575.3   | 606.4   | 684.2   | 563.7   | 447.0   | 501.5  | 859.1  | 991.3  | 824.1  | 726.9  |
| 202.1   | 87.5° | 155.5   | 213.8   | 314.9   | 291.5   | 202.1   | 213.8  | 408.2  | 548.1  | 474.3  | 365.4  |
| 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°   |
|--------|
| 8206.1 |
| 8416.1 |
| 8750.4 |
| 9154.6 |
| 9527.8 |
| 9660.0 |
| 9663.9 |
| 9492.8 |
| 9092.4 |
| 8524.9 |
| 7930.1 |
| 7385.9 |
| 6903.9 |
| 6301.3 |
| 5625.0 |
| 4952.4 |
| 4349.9 |
| 3844.6 |
| 3343.1 |
| 3059.3 |
| 2880.5 |
| 2756.1 |
| 2670.6 |
| 2577.3 |
| 2417.9 |
| 2285.7 |
| 2231.3 |
| 2227.4 |
| 2192.4 |
| 2375.2 |
| 2355.7 |
| 1663.8 |
| 1282.8 |
| 983.5  |
| 742.5  |
| 377.1  |
| 0.0    |