

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: P850667

Luminaire Tested: **GLAN-SB8B-740-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850667  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-740-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37781 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

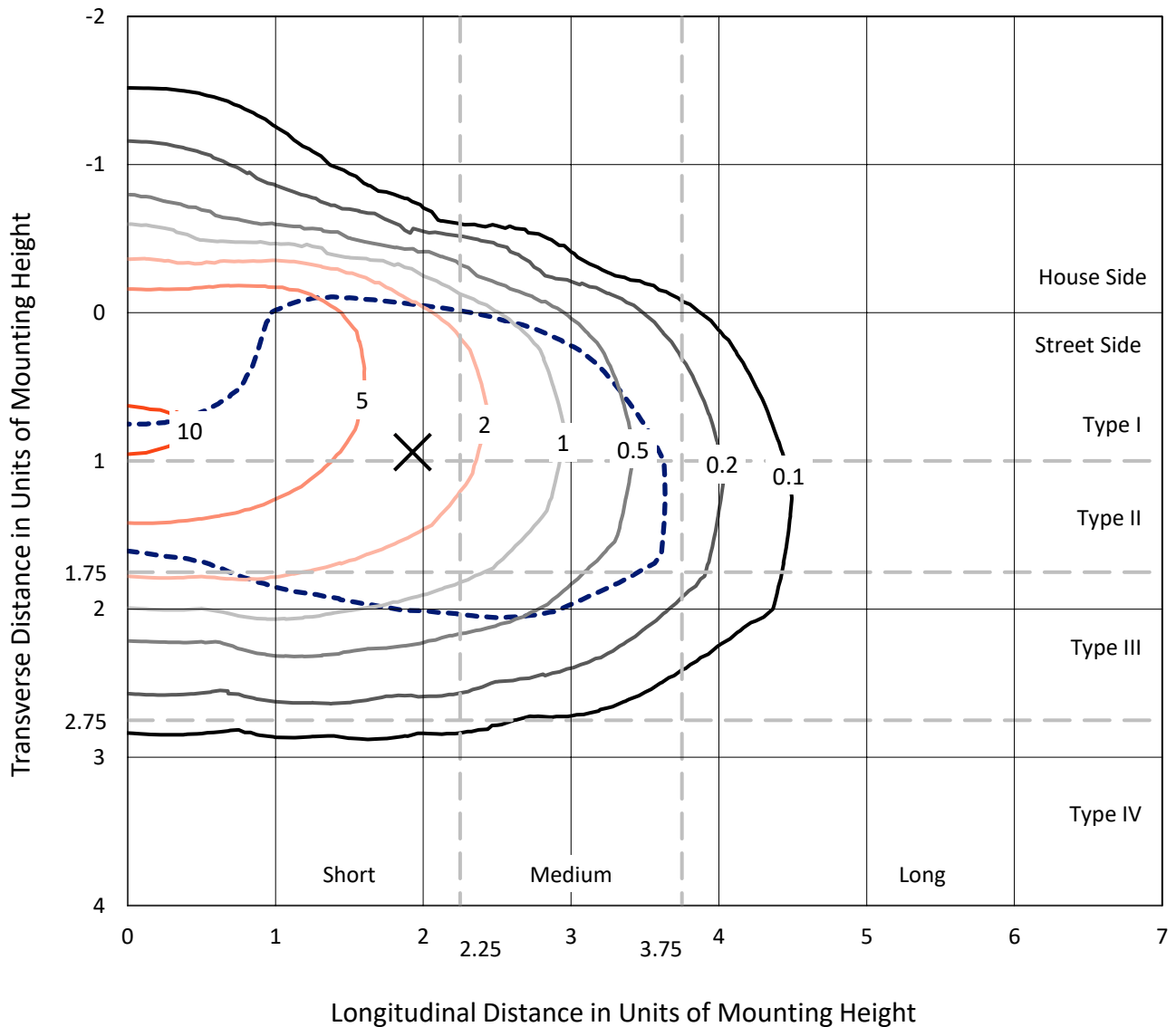
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

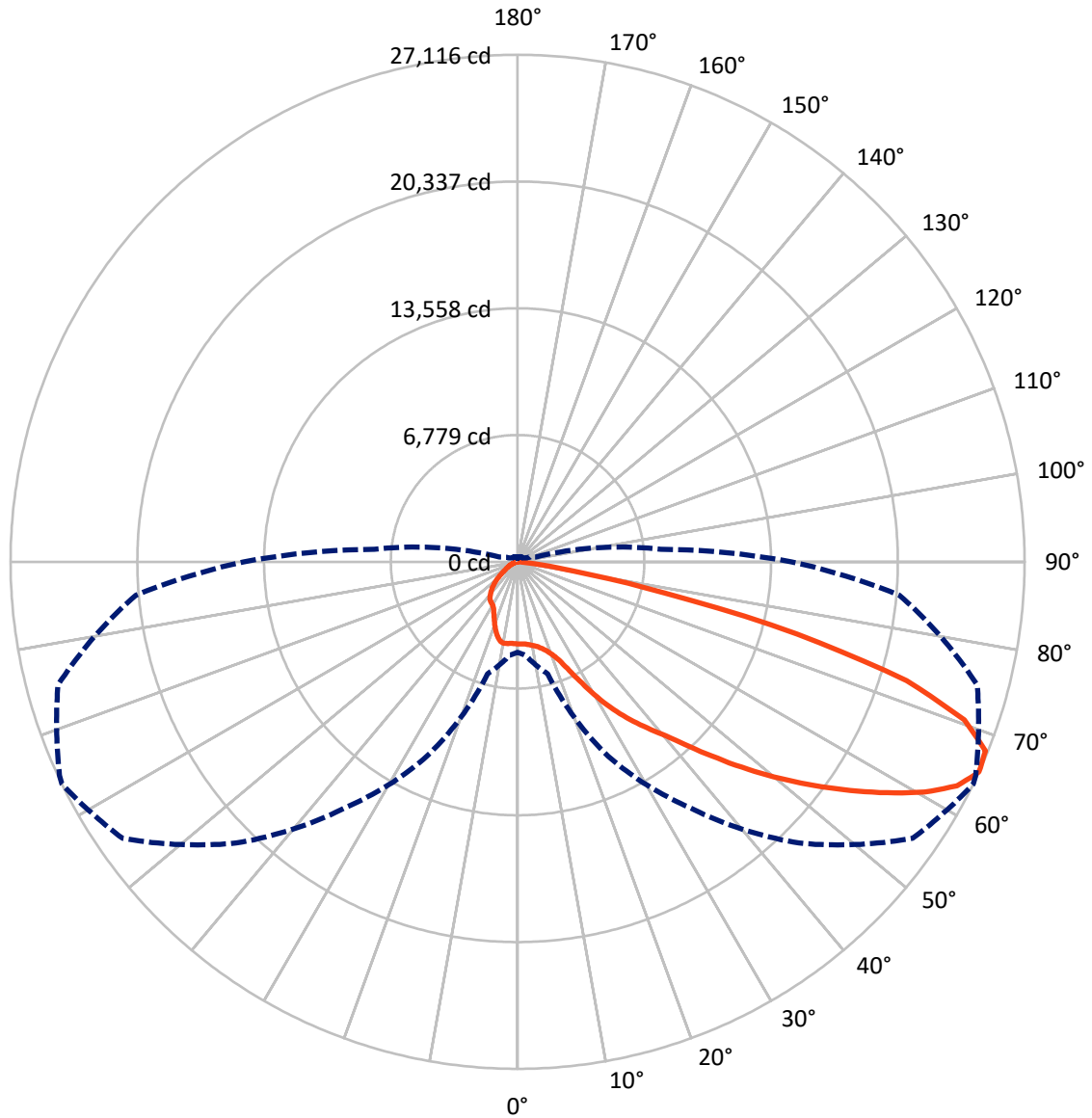
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5052.5   | 0.0    | 5052.5  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 32728.5  | 0.0    | 32728.5 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 37781.0  | 0.0    | 37781.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 405.4   | 1.1       |
| 10°-20°   | 1099.6  | 2.9       |
| 20°-30°   | 2083.7  | 5.5       |
| 30°-40°   | 4216.4  | 11.2      |
| 40°-50°   | 7182.6  | 19.0      |
| 50°-60°   | 9767.8  | 25.9      |
| 60°-70°   | 9172.5  | 24.3      |
| 70°-80°   | 3674.9  | 9.7       |
| 80°-90°   | 178.0   | 0.5       |
| 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°    | 37781.0 | 100.0     |
| 0°-180°   | 37781.0 | 100.0     |

**Coefficient of Utilization**

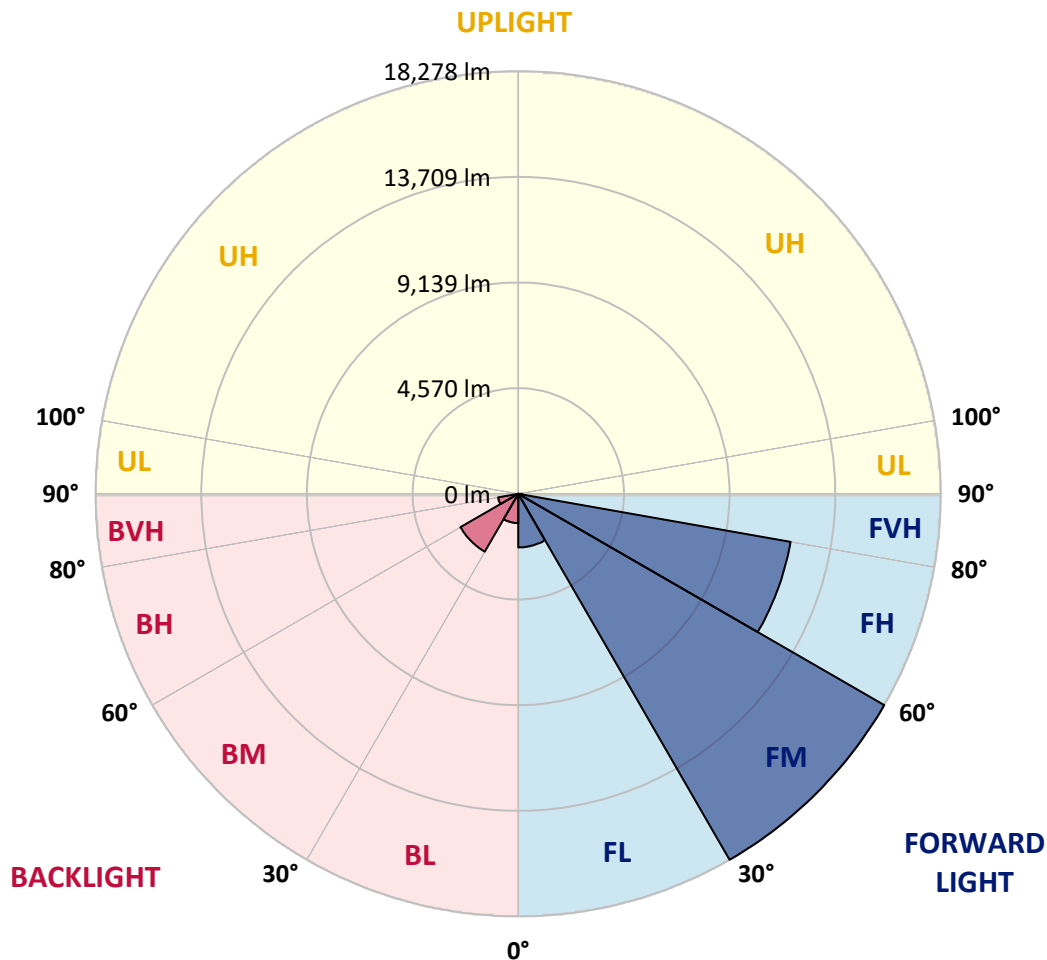


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|---------|-----------|-------------------------|------|----------|
|                |         |           | B                       | U    | G        |
| FL (0°-30°)    | 2320.2  | 6.1       |                         |      |          |
| FM (30°-60°)   | 18278.4 | 48.4      |                         |      |          |
| FH (60°-80°)   | 11960.6 | 31.7      |                         |      | G4/12000 |
| FVH (80°-90°)  | 169.3   | 0.4       |                         |      | G2/225   |
| BL (0°-30°)    | 1268.5  | 3.4       | B3/2500                 |      |          |
| BM (30°-60°)   | 2888.5  | 7.6       | B3/5000                 |      |          |
| BH (60°-80°)   | 886.8   | 2.3       | B2/1000                 |      | G2/1000  |
| BVH (80°-90°)  | 8.7     | 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-G4**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4394.3  | 4394.3  | 4394.3  | 4394.3  | 4394.3  | 4394.3  | 4394.3  | 4394.3  | 4394.3  | 4394.3  |
| 2.5°  | 4379.1  | 4409.5  | 4401.9  | 4394.3  | 4391.8  | 4396.9  | 4399.4  | 4396.9  | 4396.9  | 4396.9  |
| 5°    | 4295.5  | 4320.9  | 4320.9  | 4338.6  | 4363.9  | 4394.3  | 4417.1  | 4422.2  | 4427.2  | 4434.8  |
| 7.5°  | 4136.0  | 4156.2  | 4171.4  | 4229.7  | 4293.0  | 4374.1  | 4442.4  | 4477.9  | 4483.0  | 4510.8  |
| 10°   | 4027.1  | 4052.4  | 4077.7  | 4138.5  | 4229.7  | 4351.3  | 4467.8  | 4553.9  | 4566.5  | 4632.4  |
| 12.5° | 4022.0  | 4047.3  | 4080.3  | 4146.1  | 4252.5  | 4381.7  | 4523.5  | 4647.6  | 4670.4  | 4766.6  |
| 15°   | 4075.2  | 4105.6  | 4136.0  | 4217.0  | 4331.0  | 4488.0  | 4640.0  | 4794.5  | 4817.3  | 4954.1  |
| 17.5° | 4184.1  | 4224.6  | 4247.4  | 4328.5  | 4450.0  | 4624.8  | 4824.9  | 5002.2  | 5022.4  | 5182.0  |
| 20°   | 4399.4  | 4447.5  | 4455.1  | 4521.0  | 4640.0  | 4827.4  | 5065.5  | 5285.9  | 5311.2  | 5493.5  |
| 22.5° | 4845.2  | 4913.5  | 4852.8  | 4885.7  | 4992.1  | 5179.5  | 5437.8  | 5716.4  | 5751.9  | 5959.6  |
| 25°   | 5630.3  | 5726.5  | 5569.5  | 5513.8  | 5559.4  | 5754.4  | 6078.6  | 6430.7  | 6471.2  | 6638.3  |
| 27.5° | 7172.8  | 7048.6  | 6810.6  | 6577.6  | 6440.8  | 6552.2  | 6916.9  | 7352.6  | 7403.2  | 7565.3  |
| 30°   | 8867.2  | 8758.3  | 8436.6  | 7919.9  | 7595.7  | 7578.0  | 7914.8  | 8401.1  | 8459.4  | 8613.9  |
| 32.5° | 10564.1 | 10460.3 | 10110.7 | 9475.0  | 8912.8  | 8634.1  | 8867.2  | 9406.6  | 9437.0  | 9535.8  |
| 35°   | 12233.2 | 12126.8 | 11777.3 | 11126.4 | 10434.9 | 9801.7  | 9756.2  | 10364.0 | 10374.1 | 10478.0 |
| 37.5° | 13912.4 | 13823.8 | 13451.4 | 12813.2 | 12131.9 | 11258.1 | 10835.1 | 11270.7 | 11283.4 | 11384.7 |
| 40°   | 15110.4 | 15148.4 | 14892.6 | 14398.7 | 13813.6 | 12858.8 | 12045.8 | 12235.7 | 12159.7 | 12329.4 |
| 42.5° | 16138.7 | 16214.7 | 15991.8 | 15743.6 | 15404.2 | 14563.3 | 13545.2 | 13512.2 | 13390.7 | 13481.8 |
| 45°   | 17027.7 | 17091.0 | 16890.9 | 16832.7 | 16825.1 | 16234.9 | 15183.8 | 14986.3 | 14816.6 | 14798.9 |
| 47.5° | 17354.4 | 17476.0 | 17562.1 | 17757.1 | 18137.0 | 17888.8 | 16878.3 | 16571.8 | 16381.8 | 16242.5 |
| 50°   | 17478.5 | 17607.7 | 17901.5 | 18468.8 | 19367.9 | 19474.3 | 18565.1 | 18220.6 | 17987.6 | 17734.3 |
| 52.5° | 17311.4 | 17541.8 | 17936.9 | 18891.8 | 20196.2 | 20745.8 | 20183.5 | 19882.1 | 19616.2 | 19203.3 |
| 55°   | 16326.1 | 16556.6 | 17364.5 | 18886.7 | 20609.0 | 21637.3 | 21713.3 | 21579.0 | 21280.2 | 20629.3 |
| 57.5° | 14249.3 | 14591.2 | 15870.2 | 18243.4 | 20601.4 | 22404.7 | 23212.7 | 23308.9 | 22974.6 | 22042.5 |
| 60°   | 11372.1 | 11835.5 | 13395.7 | 16817.5 | 19965.7 | 22820.1 | 24527.2 | 25008.4 | 24653.8 | 23435.5 |
| 62.5° | 7935.1  | 8472.1  | 9948.6  | 14583.6 | 18511.9 | 22521.2 | 25487.1 | 26376.1 | 26107.6 | 24681.7 |
| 65°   | 4840.1  | 5012.3  | 6202.7  | 11475.9 | 16039.9 | 21270.0 | 25783.4 | 27115.6 | 27027.0 | 25444.0 |
| 67.5° | 3224.2  | 3368.6  | 3710.5  | 7869.3  | 12451.0 | 18770.2 | 25074.2 | 26986.5 | 27011.8 | 25319.9 |
| 70°   | 1942.6  | 2066.7  | 2289.6  | 4576.7  | 8069.3  | 14857.1 | 22878.3 | 25340.2 | 25487.1 | 23661.0 |
| 72.5° | 800.3   | 883.9   | 1086.6  | 2074.3  | 4179.0  | 9429.4  | 18218.1 | 21756.3 | 22098.3 | 19894.8 |
| 75°   | 453.4   | 496.4   | 638.3   | 1041.0  | 1813.4  | 4394.3  | 11035.2 | 15444.7 | 15948.7 | 13712.3 |
| 77.5° | 301.4   | 321.7   | 412.8   | 673.7   | 1020.7  | 1499.4  | 4716.0  | 8046.5  | 9009.0  | 7489.3  |
| 80°   | 202.6   | 220.3   | 283.7   | 450.8   | 663.6   | 643.3   | 1501.9  | 2981.0  | 3667.4  | 2573.3  |
| 82.5° | 136.8   | 139.3   | 202.6   | 296.3   | 420.4   | 311.5   | 443.2   | 927.0   | 1165.1  | 744.6   |
| 85°   | 78.5    | 76.0    | 149.4   | 172.2   | 187.4   | 129.2   | 134.2   | 278.6   | 364.7   | 314.1   |
| 87.5° | 10.1    | 15.2    | 58.3    | 45.6    | 25.3    | 27.9    | 27.9    | 48.1    | 70.9    | 76.0    |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4394.3  | 0°    | 4394.3  | 4394.3  | 4394.3 | 4394.3 | 4394.3 | 4394.3 | 4394.3 | 4394.3 | 4394.3 | 4394.3 |
| 4399.4  | 2.5°  | 4399.4  | 4396.9  | 4389.3 | 4381.7 | 4363.9 | 4353.8 | 4358.9 | 4353.8 | 4351.3 | 4353.8 |
| 4432.3  | 5°    | 4432.3  | 4424.7  | 4404.5 | 4379.1 | 4343.7 | 4300.6 | 4272.8 | 4232.2 | 4194.2 | 4171.4 |
| 4521.0  | 7.5°  | 4521.0  | 4513.4  | 4485.5 | 4414.6 | 4300.6 | 4120.8 | 3956.2 | 3811.8 | 3702.9 | 3639.6 |
| 4662.8  | 10°   | 4662.8  | 4650.1  | 4607.1 | 4450.0 | 4151.2 | 3758.6 | 3431.9 | 3160.9 | 2983.6 | 2900.0 |
| 4830.0  | 12.5° | 4830.0  | 4814.8  | 4738.8 | 4417.1 | 3867.5 | 3254.6 | 2803.8 | 2502.4 | 2337.7 | 2264.3 |
| 5022.4  | 15°   | 5027.5  | 5007.2  | 4857.8 | 4260.1 | 3454.7 | 2697.4 | 2284.5 | 2059.1 | 1952.8 | 1886.9 |
| 5268.1  | 17.5° | 5273.2  | 5237.7  | 4946.5 | 4024.5 | 3006.4 | 2271.9 | 1965.4 | 1795.7 | 1702.0 | 1638.7 |
| 5589.8  | 20°   | 5592.3  | 5534.1  | 5017.4 | 3743.4 | 2593.5 | 2003.4 | 1750.1 | 1608.3 | 1537.4 | 1481.7 |
| 6045.7  | 22.5° | 6038.1  | 5954.5  | 5103.5 | 3439.5 | 2302.3 | 1818.5 | 1590.6 | 1486.7 | 1428.5 | 1365.2 |
| 6681.4  | 25°   | 6590.2  | 6491.4  | 5209.9 | 3158.3 | 2102.2 | 1659.0 | 1474.1 | 1387.9 | 1319.6 | 1246.1 |
| 7514.7  | 27.5° | 7362.7  | 7185.4  | 5336.5 | 2927.9 | 1930.0 | 1522.2 | 1367.7 | 1271.4 | 1192.9 | 1132.1 |
| 8459.4  | 30°   | 8223.8  | 7932.6  | 5447.9 | 2788.6 | 1772.9 | 1395.5 | 1228.4 | 1132.1 | 1058.7 | 1015.6 |
| 9307.9  | 32.5° | 9039.4  | 8644.3  | 5521.4 | 2727.8 | 1631.1 | 1251.2 | 1076.4 | 972.6  | 916.9  | 904.2  |
| 10138.6 | 35°   | 9809.3  | 9287.6  | 5513.8 | 2669.5 | 1504.5 | 1106.8 | 927.0  | 820.6  | 777.6  | 785.2  |
| 11032.7 | 37.5° | 10695.8 | 9974.0  | 5460.6 | 2578.3 | 1400.6 | 975.1  | 797.8  | 704.1  | 666.1  | 668.6  |
| 12119.2 | 40°   | 11726.6 | 10766.7 | 5427.7 | 2406.1 | 1286.6 | 853.5  | 691.4  | 615.5  | 587.6  | 577.5  |
| 13264.0 | 42.5° | 12825.8 | 11534.1 | 5432.8 | 2211.1 | 1144.8 | 744.6  | 618.0  | 554.7  | 529.3  | 521.7  |
| 14538.0 | 45°   | 13930.1 | 12266.1 | 5440.3 | 2008.5 | 995.4  | 661.0  | 564.8  | 511.6  | 496.4  | 486.3  |
| 15829.7 | 47.5° | 14968.6 | 12889.2 | 5298.5 | 1790.7 | 848.5  | 597.7  | 521.7  | 486.3  | 473.6  | 461.0  |
| 17126.5 | 50°   | 15936.1 | 13304.5 | 4956.6 | 1537.4 | 732.0  | 547.1  | 488.8  | 463.5  | 450.8  | 438.2  |
| 18301.7 | 52.5° | 16688.3 | 13370.4 | 4391.8 | 1276.5 | 650.9  | 509.1  | 468.6  | 445.8  | 430.6  | 417.9  |
| 19251.4 | 55°   | 17022.6 | 12957.6 | 3588.9 | 1033.4 | 587.6  | 476.2  | 448.3  | 425.5  | 407.8  | 395.1  |
| 19998.6 | 57.5° | 16936.5 | 12088.8 | 2798.7 | 830.7  | 526.8  | 443.2  | 423.0  | 407.8  | 387.5  | 367.2  |
| 20603.9 | 60°   | 16513.5 | 10926.3 | 2109.8 | 691.4  | 471.1  | 407.8  | 395.1  | 382.4  | 354.6  | 324.2  |
| 20836.9 | 62.5° | 15781.6 | 9464.9  | 1504.5 | 572.4  | 410.3  | 367.2  | 362.2  | 352.1  | 311.5  | 255.8  |
| 20492.5 | 65°   | 14662.1 | 7689.4  | 1013.1 | 476.2  | 352.1  | 321.7  | 324.2  | 306.5  | 253.3  | 190.0  |
| 19231.2 | 67.5° | 13025.9 | 5622.7  | 648.4  | 390.0  | 293.8  | 268.5  | 271.0  | 260.9  | 215.3  | 162.1  |
| 16840.3 | 70°   | 10941.5 | 3723.1  | 423.0  | 296.3  | 235.5  | 207.7  | 222.9  | 225.4  | 182.4  | 131.7  |
| 12924.6 | 72.5° | 8021.2  | 2198.4  | 296.3  | 220.3  | 172.2  | 144.4  | 182.4  | 187.4  | 146.9  | 98.8   |
| 7775.5  | 75°   | 4571.6  | 1043.5  | 222.9  | 159.6  | 106.4  | 101.3  | 141.8  | 141.8  | 101.3  | 65.9   |
| 3366.0  | 77.5° | 1919.8  | 435.6   | 157.0  | 103.8  | 60.8   | 58.3   | 96.2   | 88.6   | 50.7   | 30.4   |
| 820.6   | 80°   | 554.7   | 195.0   | 83.6   | 50.7   | 25.3   | 22.8   | 38.0   | 27.9   | 12.7   | 5.1    |
| 311.5   | 82.5° | 217.8   | 86.1    | 32.9   | 20.3   | 10.1   | 10.1   | 5.1    | 0.0    | 0.0    | 0.0    |
| 177.3   | 85°   | 129.2   | 35.5    | 15.2   | 7.6    | 2.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 38.0    | 87.5° | 32.9    | 7.6     | 5.1    | 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°   |
| <hr/>  |
| 4394.3 |
| 4363.9 |
| 4176.5 |
| 3642.1 |
| 2892.4 |
| 2256.7 |
| 1889.4 |
| 1633.6 |
| 1471.5 |
| 1355.0 |
| 1238.5 |
| 1119.5 |
| 1008.0 |
| 911.8  |
| 785.2  |
| 678.8  |
| 574.9  |
| 519.2  |
| 486.3  |
| 461.0  |
| 438.2  |
| 415.4  |
| 392.6  |
| 364.7  |
| 319.1  |
| 250.7  |
| 184.9  |
| 154.5  |
| 126.6  |
| 93.7   |
| 60.8   |
| 30.4   |
| 5.1    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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