

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: P848437

Luminaire Tested: **GLAN-SB5A-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848437  
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-SB5A-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

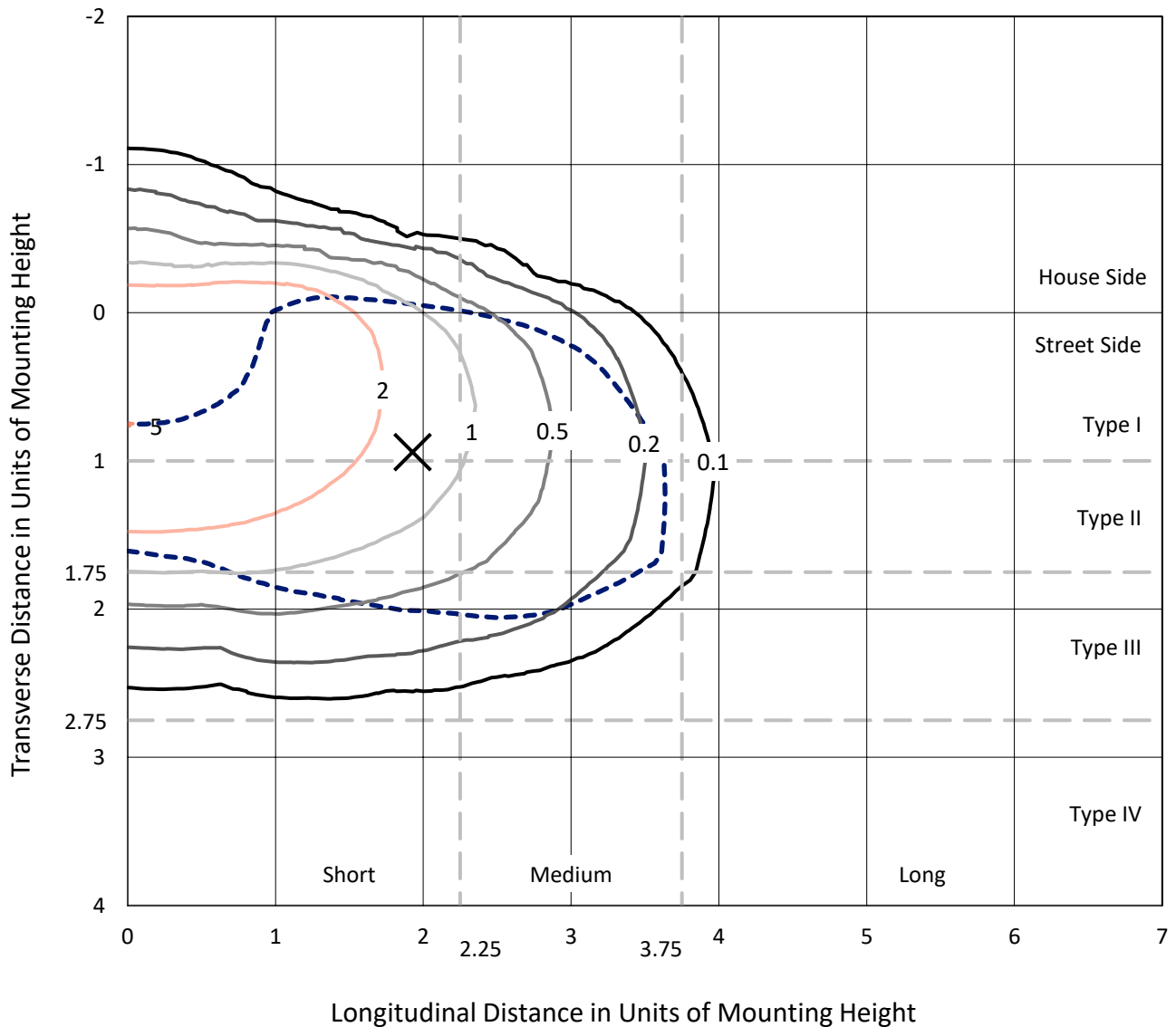
Lumens per Lamp: N/A  
Luminaire Lumens: 17167 lumens  
Efficiency: N/A  
Efficacy: 121.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

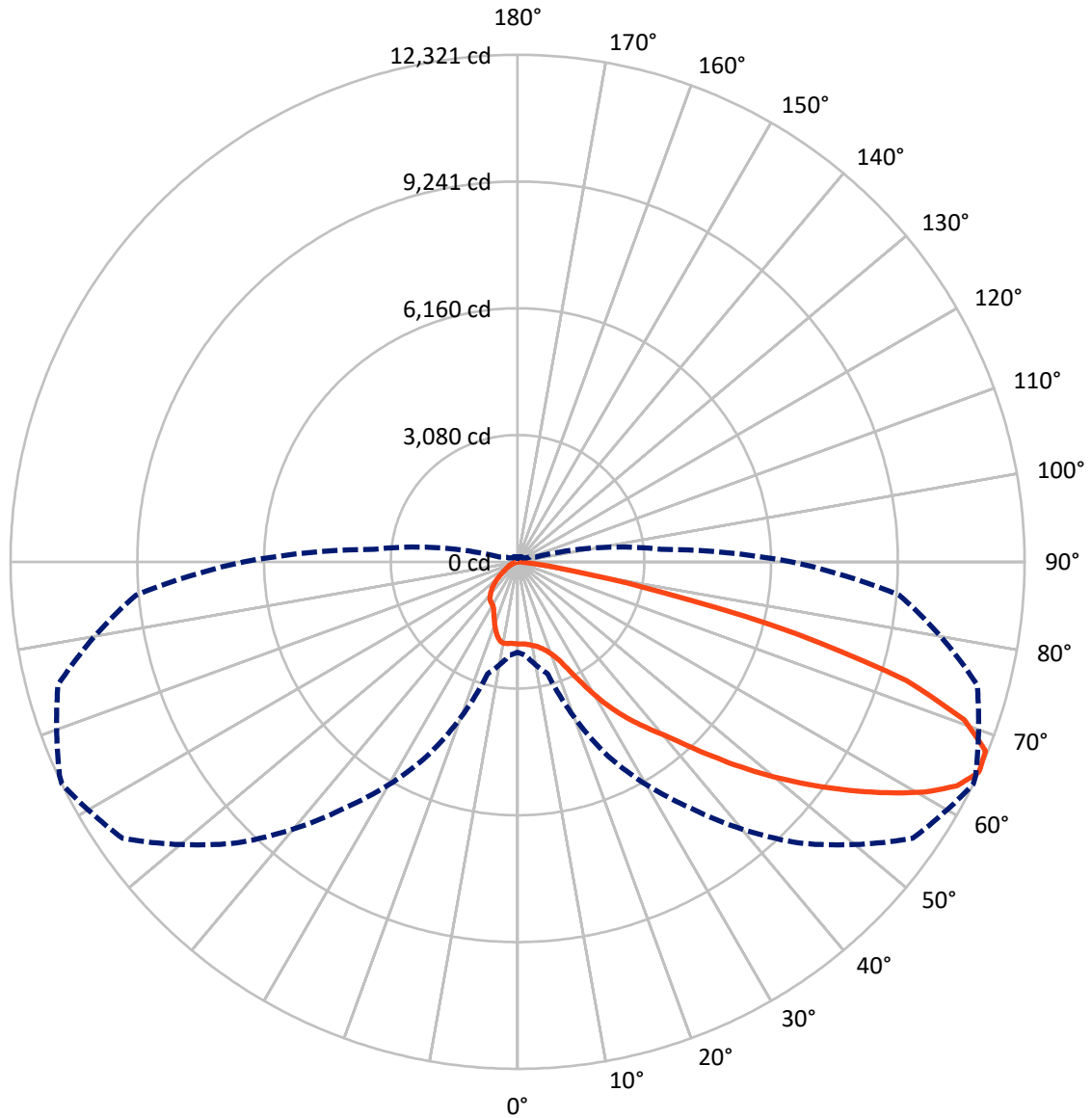
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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    | 2295.8   | 0.0    | 2295.8  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 14871.3  | 0.0    | 14871.3 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 17167.0  | 0.0    | 17167.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 184.2   | 1.1       |
| 10°-20°   | 499.6   | 2.9       |
| 20°-30°   | 946.8   | 5.5       |
| 30°-40°   | 1915.8  | 11.2      |
| 40°-50°   | 3263.7  | 19.0      |
| 50°-60°   | 4438.3  | 25.9      |
| 60°-70°   | 4167.8  | 24.3      |
| 70°-80°   | 1669.8  | 9.7       |
| 80°-90°   | 80.9    | 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°    | 17167.0 | 100.0     |
| 0°-180°   | 17167.0 | 100.0     |

**Coefficient of Utilization**



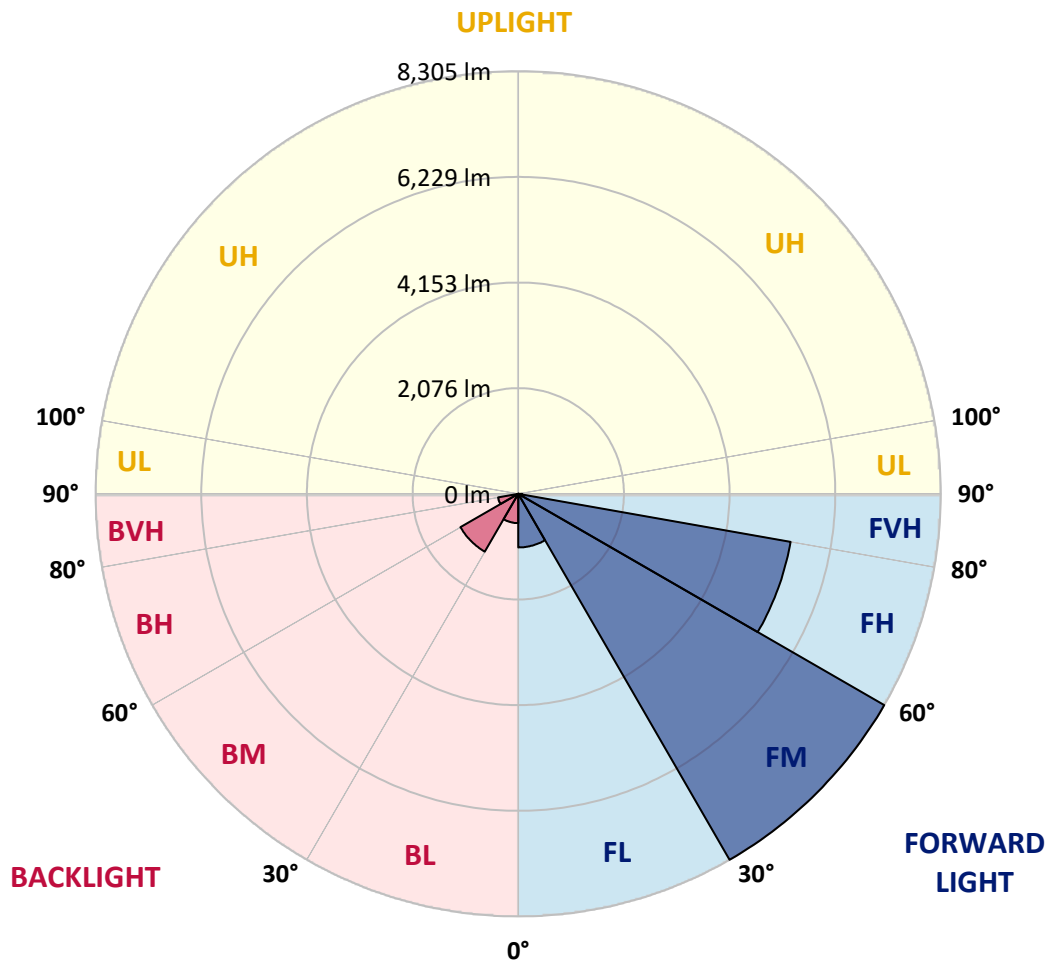
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1054.2 | 6.1       |                         |      |         |
| FM (30°-60°)   | 8305.4 | 48.4      |                         |      |         |
| FH (60°-80°)   | 5434.7 | 31.7      |                         |      | G3/7500 |
| FVH (80°-90°)  | 76.9   | 0.4       |                         |      | G1/100  |
| BL (0°-30°)    | 576.4  | 3.4       | B2/1000                 |      |         |
| BM (30°-60°)   | 1312.5 | 7.6       | B2/2500                 |      |         |
| BH (60°-80°)   | 402.9  | 2.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 4.0    | 0.0       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 1996.7 | 1996.7 | 1996.7 | 1996.7 | 1996.7 | 1996.7  | 1996.7  | 1996.7  | 1996.7  | 1996.7  |
| 2.5°  | 1989.8 | 2003.6 | 2000.2 | 1996.7 | 1995.5 | 1997.9  | 1999.0  | 1997.9  | 1997.9  | 1997.9  |
| 5°    | 1951.8 | 1963.3 | 1963.3 | 1971.4 | 1982.9 | 1996.7  | 2007.1  | 2009.4  | 2011.7  | 2015.1  |
| 7.5°  | 1879.3 | 1888.5 | 1895.4 | 1921.9 | 1950.7 | 1987.5  | 2018.6  | 2034.7  | 2037.0  | 2049.6  |
| 10°   | 1829.8 | 1841.3 | 1852.8 | 1880.5 | 1921.9 | 1977.1  | 2030.1  | 2069.2  | 2075.0  | 2104.9  |
| 12.5° | 1827.5 | 1839.0 | 1854.0 | 1883.9 | 1932.3 | 1990.9  | 2055.4  | 2111.8  | 2122.1  | 2165.9  |
| 15°   | 1851.7 | 1865.5 | 1879.3 | 1916.1 | 1967.9 | 2039.3  | 2108.3  | 2178.5  | 2188.9  | 2251.0  |
| 17.5° | 1901.2 | 1919.6 | 1930.0 | 1966.8 | 2022.0 | 2101.4  | 2192.3  | 2272.9  | 2282.1  | 2354.6  |
| 20°   | 1999.0 | 2020.9 | 2024.3 | 2054.2 | 2108.3 | 2193.5  | 2301.7  | 2401.8  | 2413.3  | 2496.2  |
| 22.5° | 2201.5 | 2232.6 | 2205.0 | 2220.0 | 2268.3 | 2353.5  | 2470.8  | 2597.4  | 2613.5  | 2707.9  |
| 25°   | 2558.3 | 2602.0 | 2530.7 | 2505.4 | 2526.1 | 2614.7  | 2762.0  | 2922.0  | 2940.4  | 3016.3  |
| 27.5° | 3259.2 | 3202.8 | 3094.6 | 2988.7 | 2926.6 | 2977.2  | 3142.9  | 3340.9  | 3363.9  | 3437.5  |
| 30°   | 4029.1 | 3979.6 | 3833.4 | 3598.7 | 3451.4 | 3443.3  | 3596.4  | 3817.3  | 3843.8  | 3914.0  |
| 32.5° | 4800.1 | 4753.0 | 4594.1 | 4305.3 | 4049.8 | 3923.2  | 4029.1  | 4274.2  | 4288.0  | 4332.9  |
| 35°   | 5558.5 | 5510.2 | 5351.4 | 5055.6 | 4741.4 | 4453.7  | 4433.0  | 4709.2  | 4713.8  | 4761.0  |
| 37.5° | 6321.5 | 6281.3 | 6112.1 | 5822.1 | 5512.5 | 5115.5  | 4923.3  | 5121.2  | 5127.0  | 5173.0  |
| 40°   | 6865.9 | 6883.1 | 6766.9 | 6542.5 | 6276.7 | 5842.8  | 5473.4  | 5559.7  | 5525.2  | 5602.3  |
| 42.5° | 7333.1 | 7367.7 | 7266.4 | 7153.6 | 6999.4 | 6617.3  | 6154.7  | 6139.7  | 6084.5  | 6125.9  |
| 45°   | 7737.1 | 7765.8 | 7674.9 | 7648.5 | 7645.0 | 7376.9  | 6899.3  | 6809.5  | 6732.4  | 6724.3  |
| 47.5° | 7885.5 | 7940.8 | 7979.9 | 8068.5 | 8241.1 | 8128.4  | 7669.2  | 7529.9  | 7443.6  | 7380.3  |
| 50°   | 7941.9 | 8000.6 | 8134.1 | 8391.9 | 8800.4 | 8848.8  | 8435.6  | 8279.1  | 8173.2  | 8058.2  |
| 52.5° | 7866.0 | 7970.7 | 8150.2 | 8584.1 | 9176.8 | 9426.5  | 9171.0  | 9034.1  | 8913.2  | 8725.6  |
| 55°   | 7418.3 | 7523.0 | 7890.1 | 8581.8 | 9364.4 | 9831.6  | 9866.1  | 9805.1  | 9669.3  | 9373.6  |
| 57.5° | 6474.6 | 6630.0 | 7211.1 | 8289.5 | 9360.9 | 10180.3 | 10547.4 | 10591.1 | 10439.2 | 10015.7 |
| 60°   | 5167.3 | 5377.9 | 6086.8 | 7641.6 | 9072.0 | 10369.0 | 11144.7 | 11363.4 | 11202.2 | 10648.7 |
| 62.5° | 3605.6 | 3849.5 | 4520.5 | 6626.5 | 8411.5 | 10233.2 | 11580.9 | 11984.8 | 11862.8 | 11214.9 |
| 65°   | 2199.2 | 2277.5 | 2818.4 | 5214.4 | 7288.2 | 9664.7  | 11715.5 | 12320.8 | 12280.6 | 11561.3 |
| 67.5° | 1465.0 | 1530.6 | 1686.0 | 3575.6 | 5657.5 | 8528.8  | 11393.3 | 12262.2 | 12273.7 | 11504.9 |
| 70°   | 882.7  | 939.1  | 1040.4 | 2079.6 | 3666.6 | 6750.8  | 10395.5 | 11514.1 | 11580.9 | 10751.1 |
| 72.5° | 363.7  | 401.6  | 493.7  | 942.5  | 1898.9 | 4284.6  | 8278.0  | 9885.7  | 10041.0 | 9039.8  |
| 75°   | 206.0  | 225.6  | 290.0  | 473.0  | 824.0  | 1996.7  | 5014.2  | 7017.8  | 7246.8  | 6230.6  |
| 77.5° | 136.9  | 146.2  | 187.6  | 306.1  | 463.8  | 681.3   | 2142.9  | 3656.2  | 4093.5  | 3403.0  |
| 80°   | 92.1   | 100.1  | 128.9  | 204.8  | 301.5  | 292.3   | 682.4   | 1354.5  | 1666.4  | 1169.2  |
| 82.5° | 62.1   | 63.3   | 92.1   | 134.6  | 191.0  | 141.6   | 201.4   | 421.2   | 529.4   | 338.3   |
| 85°   | 35.7   | 34.5   | 67.9   | 78.3   | 85.2   | 58.7    | 61.0    | 126.6   | 165.7   | 142.7   |
| 87.5° | 4.6    | 6.9    | 26.5   | 20.7   | 11.5   | 12.7    | 12.7    | 21.9    | 32.2    | 34.5    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1996.7 | 0°    | 1996.7 | 1996.7 | 1996.7 | 1996.7 | 1996.7 | 1996.7 | 1996.7 | 1996.7 | 1996.7 | 1996.7 |
| 1999.0 | 2.5°  | 1999.0 | 1997.9 | 1994.4 | 1990.9 | 1982.9 | 1978.3 | 1980.6 | 1978.3 | 1977.1 | 1978.3 |
| 2014.0 | 5°    | 2014.0 | 2010.5 | 2001.3 | 1989.8 | 1973.7 | 1954.1 | 1941.5 | 1923.0 | 1905.8 | 1895.4 |
| 2054.2 | 7.5°  | 2054.2 | 2050.8 | 2038.1 | 2005.9 | 1954.1 | 1872.4 | 1797.6 | 1732.0 | 1682.5 | 1653.8 |
| 2118.7 | 10°   | 2118.7 | 2112.9 | 2093.4 | 2022.0 | 1886.2 | 1707.8 | 1559.4 | 1436.2 | 1355.7 | 1317.7 |
| 2194.6 | 12.5° | 2194.6 | 2187.7 | 2153.2 | 2007.1 | 1757.3 | 1478.8 | 1274.0 | 1137.0 | 1062.2 | 1028.8 |
| 2282.1 | 15°   | 2284.4 | 2275.2 | 2207.3 | 1935.7 | 1569.7 | 1225.6 | 1038.1 | 935.6  | 887.3  | 857.4  |
| 2393.7 | 17.5° | 2396.0 | 2379.9 | 2247.6 | 1828.7 | 1366.0 | 1032.3 | 893.0  | 815.9  | 773.4  | 744.6  |
| 2539.9 | 20°   | 2541.0 | 2514.6 | 2279.8 | 1700.9 | 1178.5 | 910.3  | 795.2  | 730.8  | 698.6  | 673.2  |
| 2747.0 | 22.5° | 2743.6 | 2705.6 | 2318.9 | 1562.8 | 1046.1 | 826.3  | 722.7  | 675.5  | 649.1  | 620.3  |
| 3035.9 | 25°   | 2994.5 | 2949.6 | 2367.3 | 1435.1 | 955.2  | 753.8  | 669.8  | 630.7  | 599.6  | 566.2  |
| 3414.5 | 27.5° | 3345.5 | 3264.9 | 2424.8 | 1330.4 | 876.9  | 691.7  | 621.5  | 577.7  | 542.0  | 514.4  |
| 3843.8 | 30°   | 3736.8 | 3604.4 | 2475.4 | 1267.1 | 805.6  | 634.1  | 558.2  | 514.4  | 481.0  | 461.5  |
| 4229.3 | 32.5° | 4107.3 | 3927.8 | 2508.8 | 1239.5 | 741.1  | 568.5  | 489.1  | 441.9  | 416.6  | 410.8  |
| 4606.8 | 35°   | 4457.2 | 4220.1 | 2505.4 | 1213.0 | 683.6  | 502.9  | 421.2  | 372.9  | 353.3  | 356.8  |
| 5013.0 | 37.5° | 4860.0 | 4532.0 | 2481.2 | 1171.6 | 636.4  | 443.1  | 362.5  | 319.9  | 302.7  | 303.8  |
| 5506.7 | 40°   | 5328.4 | 4892.2 | 2466.2 | 1093.3 | 584.6  | 387.8  | 314.2  | 279.7  | 267.0  | 262.4  |
| 6026.9 | 42.5° | 5827.8 | 5240.9 | 2468.5 | 1004.7 | 520.2  | 338.3  | 280.8  | 252.0  | 240.5  | 237.1  |
| 6605.8 | 45°   | 6329.6 | 5573.5 | 2472.0 | 912.6  | 452.3  | 300.4  | 256.6  | 232.5  | 225.6  | 221.0  |
| 7192.7 | 47.5° | 6801.4 | 5856.6 | 2407.5 | 813.6  | 385.5  | 271.6  | 237.1  | 221.0  | 215.2  | 209.5  |
| 7782.0 | 50°   | 7241.1 | 6045.3 | 2252.2 | 698.6  | 332.6  | 248.6  | 222.1  | 210.6  | 204.8  | 199.1  |
| 8315.9 | 52.5° | 7582.9 | 6075.3 | 1995.5 | 580.0  | 295.8  | 231.3  | 212.9  | 202.5  | 195.6  | 189.9  |
| 8747.5 | 55°   | 7734.8 | 5887.7 | 1630.7 | 469.5  | 267.0  | 216.4  | 203.7  | 193.3  | 185.3  | 179.5  |
| 9087.0 | 57.5° | 7695.6 | 5492.9 | 1271.7 | 377.5  | 239.4  | 201.4  | 192.2  | 185.3  | 176.1  | 166.9  |
| 9362.1 | 60°   | 7503.5 | 4964.7 | 958.6  | 314.2  | 214.1  | 185.3  | 179.5  | 173.8  | 161.1  | 147.3  |
| 9467.9 | 62.5° | 7170.9 | 4300.7 | 683.6  | 260.1  | 186.4  | 166.9  | 164.6  | 160.0  | 141.6  | 116.2  |
| 9311.4 | 65°   | 6662.2 | 3493.9 | 460.3  | 216.4  | 160.0  | 146.2  | 147.3  | 139.3  | 115.1  | 86.3   |
| 8738.3 | 67.5° | 5918.7 | 2554.9 | 294.6  | 177.2  | 133.5  | 122.0  | 123.1  | 118.5  | 97.8   | 73.7   |
| 7651.9 | 70°   | 4971.6 | 1691.7 | 192.2  | 134.6  | 107.0  | 94.4   | 101.3  | 102.4  | 82.9   | 59.8   |
| 5872.7 | 72.5° | 3644.7 | 998.9  | 134.6  | 100.1  | 78.3   | 65.6   | 82.9   | 85.2   | 66.7   | 44.9   |
| 3533.1 | 75°   | 2077.3 | 474.1  | 101.3  | 72.5   | 48.3   | 46.0   | 64.4   | 64.4   | 46.0   | 29.9   |
| 1529.5 | 77.5° | 872.3  | 197.9  | 71.4   | 47.2   | 27.6   | 26.5   | 43.7   | 40.3   | 23.0   | 13.8   |
| 372.9  | 80°   | 252.0  | 88.6   | 38.0   | 23.0   | 11.5   | 10.4   | 17.3   | 12.7   | 5.8    | 2.3    |
| 141.6  | 82.5° | 99.0   | 39.1   | 15.0   | 9.2    | 4.6    | 4.6    | 2.3    | 0.0    | 0.0    | 0.0    |
| 80.6   | 85°   | 58.7   | 16.1   | 6.9    | 3.5    | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 17.3   | 87.5° | 15.0   | 3.5    | 2.3    | 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°   |
| 1996.7 |
| 1982.9 |
| 1897.7 |
| 1654.9 |
| 1314.3 |
| 1025.4 |
| 858.5  |
| 742.3  |
| 668.6  |
| 615.7  |
| 562.8  |
| 508.7  |
| 458.0  |
| 414.3  |
| 356.8  |
| 308.4  |
| 261.2  |
| 235.9  |
| 221.0  |
| 209.5  |
| 199.1  |
| 188.7  |
| 178.4  |
| 165.7  |
| 145.0  |
| 113.9  |
| 84.0   |
| 70.2   |
| 57.5   |
| 42.6   |
| 27.6   |
| 13.8   |
| 2.3    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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