Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1203087

Luminaire Tested: GWC-SB2B-827-U-SL2

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1203087 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/16/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB2B-827-U-SL2 |
| Description: | GALLEON WALL LUMINAIRE |
| | (2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 9731 lumens |
| Efficiency: | N/A |
| Efficacy: | 131.7 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Medium |
| BUG Rating: | B2 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 73.9 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.627 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.988 |
| Total Harmonic Distortion (THDi): | 13.593 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

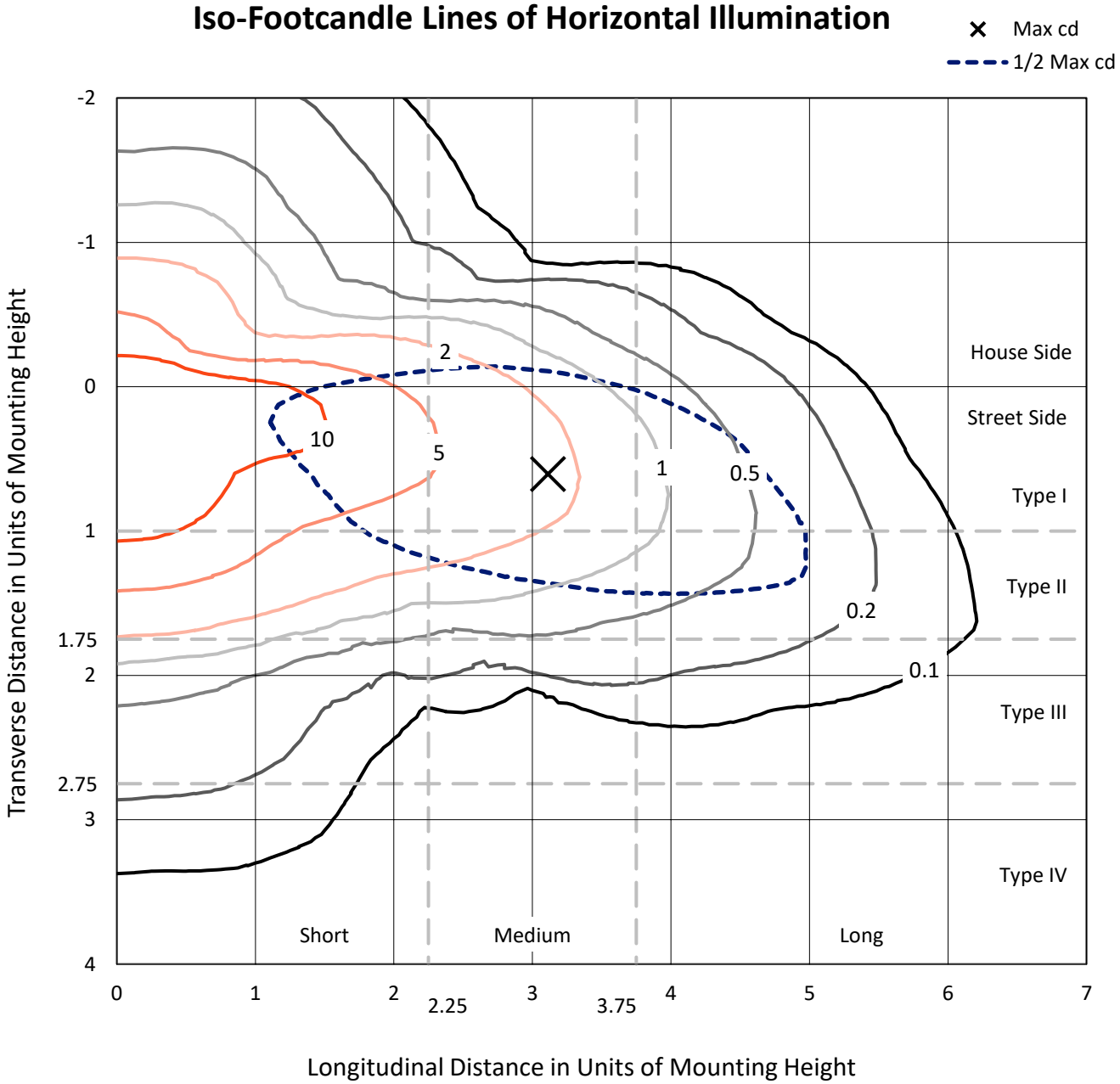


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## Iso-Footcandle Lines of Horizontal Illumination



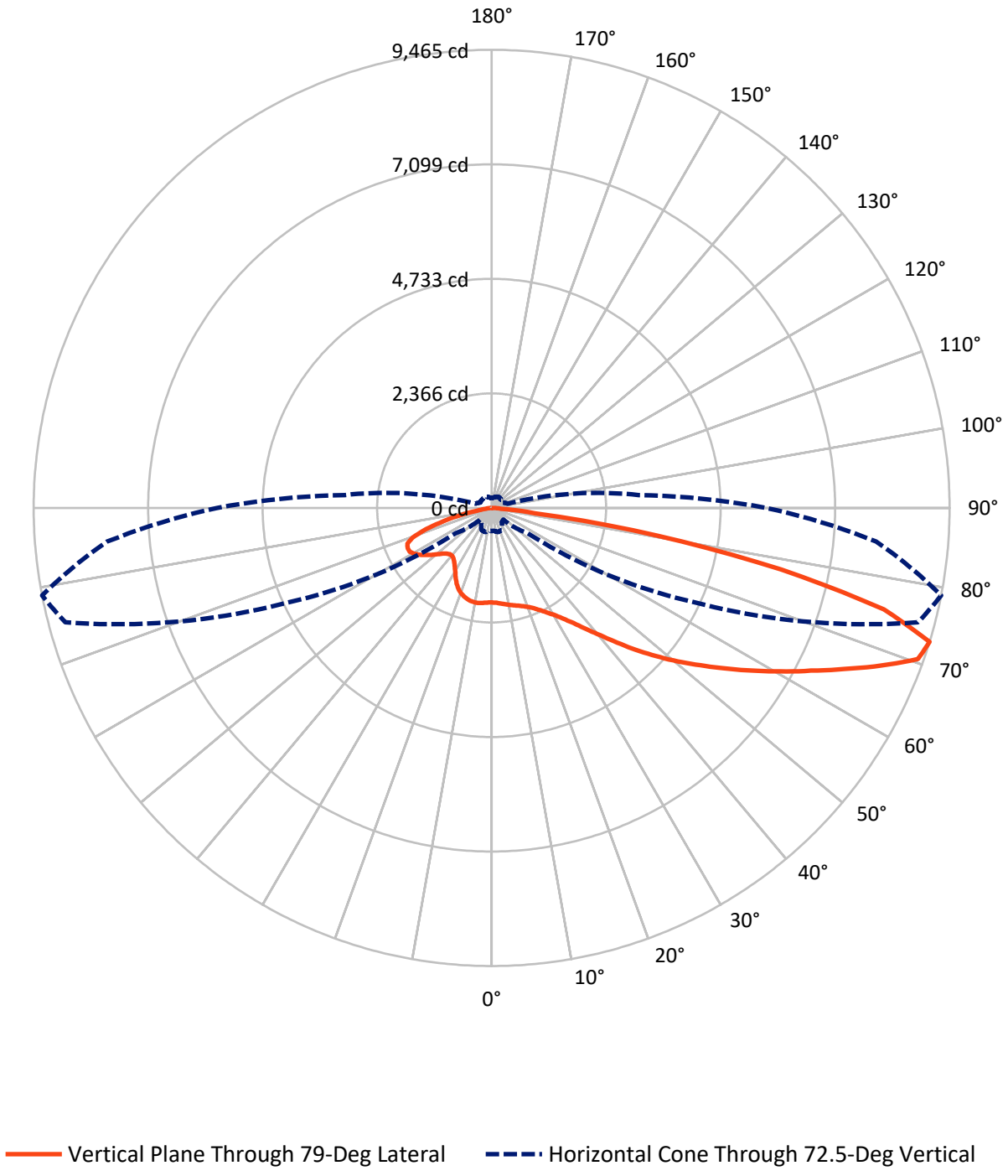

Based on 10 foot mounting height. Maximum calculated value = 19.6 fc
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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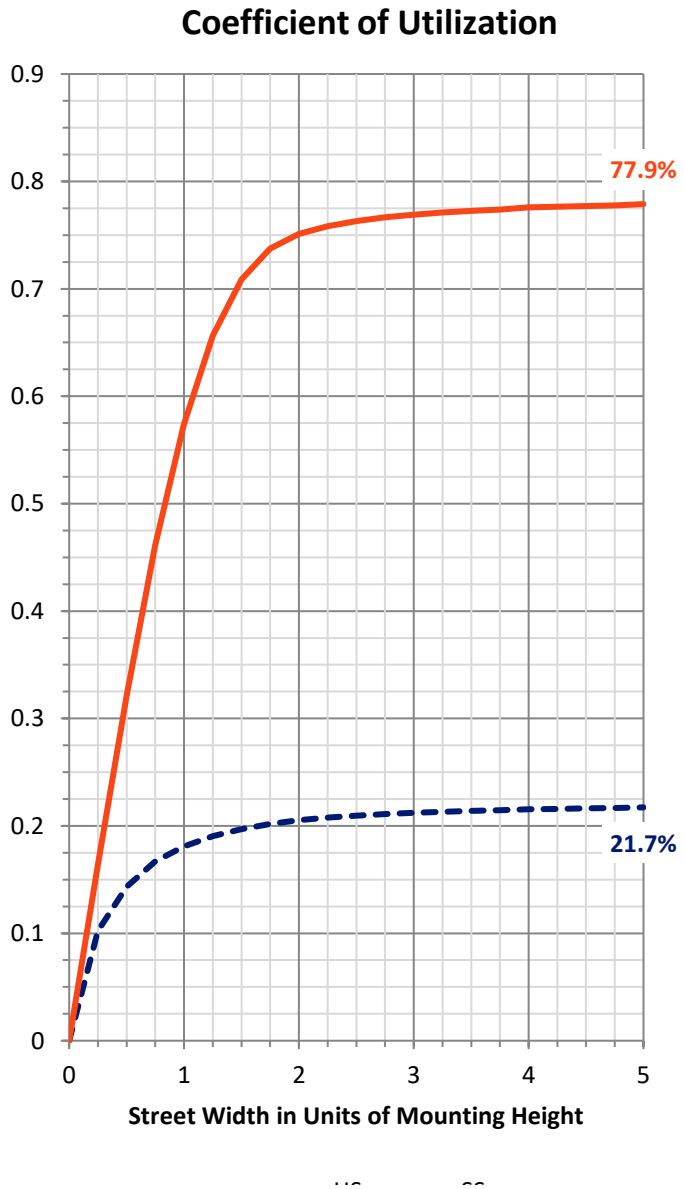
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 2141.4 | 0.0 | 2141.4 |
| | % Fixture | 22.0 | 0.0 | 22.0 |
| **Street Side** | Lumens | 7589.6 | 0.0 | 7589.6 |
| | % Fixture | 78.0 | 0.0 | 78.0 |
| **Total** | Lumens | 9731.0 | 0.0 | 9731.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 177.3 | 1.8 |
| 10°-20° | 463.6 | 4.8 |
| 20°-30° | 748.0 | 7.7 |
| 30°-40° | 1122.7 | 11.5 |
| 40°-50° | 1592.6 | 16.4 |
| 50°-60° | 2011.3 | 20.7 |
| 60°-70° | 2042.7 | 21.0 |
| 70°-80° | 1392.2 | 14.3 |
| 80°-90° | 180.6 | 1.9 |
| 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° | 9731.0 | 100.0 |
| 0°-180° | 9731.0 | 100.0 |



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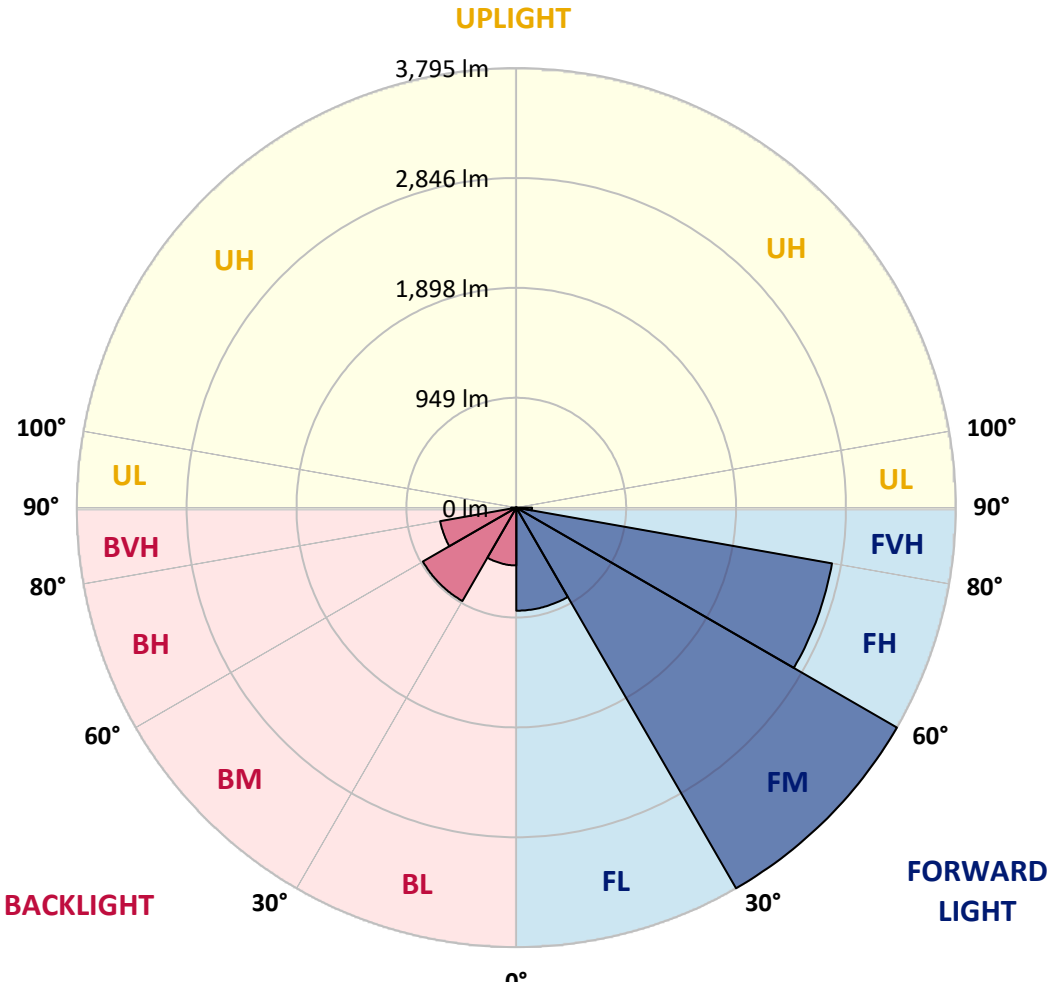
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 890.2 | 9.1 | | | |
| FM | (30°-60°) | 3795.3 | 39.0 | | | |
| FH | (60°-80°) | 2768.1 | 28.4 | | | G2/5000 |
| FVH | (80°-90°) | 136.1 | 1.4 | | | G2/225 |
| BL | (0°-30°) | 498.8 | 5.1 | B1/500 | | |
| BM | (30°-60°) | 931.3 | 9.6 | B1/1000 | | |
| BH | (60°-80°) | 666.7 | 6.9 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 44.6 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B2-U0-G2**
Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 | *1953.4* | 1953.4 |
| 2.5° | 1954.4 | 1945.2 | 1950.8 | 1948.8 | 1951.3 | 1954.4 | 1955.5 | 1957.0 | 1962.2 | *1961.6* | 1961.1 |
| 5° | 1950.3 | 1941.1 | 1948.8 | 1946.2 | 1952.9 | 1960.1 | 1966.3 | 1971.9 | 1980.2 | *1983.8* | 1978.6 |
| 7.5° | 1941.6 | 1935.4 | 1943.1 | 1950.8 | 1963.2 | 1974.0 | 1982.7 | 1995.6 | 2007.5 | *2009.5* | 2013.1 |
| 10° | 1890.6 | 1886.0 | 1904.0 | 1924.1 | 1958.0 | 1987.4 | 2006.4 | 2021.4 | 2034.2 | *2036.3* | 2041.4 |
| 12.5° | 1837.6 | 1831.9 | 1852.0 | 1879.3 | 1934.4 | 1987.4 | 2027.5 | 2047.1 | 2058.4 | *2065.1* | 2072.8 |
| 15° | 1828.8 | 1824.2 | 1835.5 | 1859.2 | 1905.0 | 1973.5 | 2041.9 | 2078.0 | 2087.8 | *2095.5* | 2098.6 |
| 17.5° | 1871.0 | 1862.3 | 1866.9 | 1875.2 | 1901.9 | 1960.6 | 2053.3 | 2113.0 | 2127.9 | *2136.1* | 2136.1 |
| 20° | 1968.8 | 1956.5 | 1949.3 | 1932.8 | 1928.2 | 1962.7 | 2052.2 | 2155.2 | 2174.7 | *2185.0* | 2187.6 |
| 22.5° | 2099.1 | 2090.8 | 2075.4 | 2033.7 | 1988.4 | 1987.9 | 2071.8 | 2209.2 | 2245.8 | *2255.6* | 2249.4 |
| 25° | 2256.6 | 2244.2 | 2224.7 | 2168.0 | 2081.1 | 2037.8 | 2104.7 | 2278.2 | 2339.5 | *2342.0* | 2324.0 |
| 27.5° | 2437.8 | 2419.2 | 2392.5 | 2317.8 | 2200.5 | 2116.1 | 2155.2 | 2357.5 | 2447.0 | *2446.0* | 2408.9 |
| 30° | 2628.7 | 2610.2 | 2581.9 | 2491.3 | 2343.6 | 2221.6 | 2225.2 | 2442.9 | 2574.7 | *2569.0* | 2505.7 |
| 32.5° | 2768.2 | 2754.3 | 2748.7 | 2678.7 | 2508.3 | 2346.1 | 2305.5 | 2537.6 | 2732.2 | *2727.0* | 2638.5 |
| 35° | 2875.3 | 2857.3 | 2864.0 | 2828.4 | 2687.9 | 2485.6 | 2403.8 | 2650.4 | 2923.7 | *2923.2* | 2813.0 |
| 37.5° | 2981.3 | 2965.4 | 2971.0 | 2947.4 | 2854.2 | 2662.7 | 2523.7 | 2788.3 | 3161.0 | *3172.3* | 3024.0 |
| 40° | 3078.1 | 3061.1 | 3083.8 | 3061.6 | 2983.4 | 2851.1 | 2660.1 | 2944.3 | 3435.8 | *3457.5* | 3279.4 |
| 42.5° | 3136.3 | 3122.9 | 3160.5 | 3161.0 | 3095.6 | 3010.1 | 2809.9 | 3116.2 | 3753.9 | *3802.3* | 3593.3 |
| 45° | 3156.3 | 3151.7 | 3208.3 | 3220.2 | 3194.9 | 3102.3 | 2944.8 | 3303.5 | 4096.7 | *4183.2* | 3951.1 |
| 47.5° | 3134.7 | 3126.0 | 3204.2 | 3248.0 | 3268.0 | 3145.5 | 3056.5 | 3506.4 | 4446.8 | *4573.4* | 4341.2 |
| 50° | 3025.6 | 3008.6 | 3124.9 | 3217.1 | 3288.6 | 3173.8 | 3169.2 | 3740.6 | 4844.7 | *4983.1* | 4733.5 |
| 52.5° | 2829.5 | 2816.6 | 2948.9 | 3109.0 | 3243.3 | 3187.7 | 3295.8 | 3996.4 | 5222.5 | *5401.6* | 5135.5 |
| 55° | 2578.8 | 2561.8 | 2707.5 | 2916.5 | 3130.6 | 3183.1 | 3422.4 | 4282.6 | 5668.2 | *5849.9* | 5550.9 |
| 57.5° | 2181.4 | 2147.5 | 2331.7 | 2578.8 | 2946.8 | 3177.4 | 3554.2 | 4567.2 | 6121.2 | *6338.9* | 5994.0 |
| 60° | 1601.8 | 1551.4 | 1777.4 | 2070.2 | 2587.6 | 3122.4 | 3717.4 | 4886.3 | 6664.7 | *6860.9* | 6477.9 |
| 62.5° | 932.7 | 903.4 | 1051.1 | 1324.4 | 1950.3 | 2798.1 | 3809.0 | 5257.5 | 7199.0 | *7404.9* | 6953.5 |
| 65° | 724.2 | 716.0 | 728.9 | 750.0 | 1085.6 | 2095.0 | 3526.4 | 5619.3 | 7878.5 | *8022.6* | 7449.2 |
| 67.5° | 662.5 | 656.3 | 661.9 | 622.3 | 550.8 | 1166.9 | 2789.8 | 5710.9 | 8606.3 | *8693.8* | 7883.1 |
| 70° | 588.9 | 581.6 | 600.2 | 566.2 | 433.4 | 530.7 | 1802.6 | 5378.4 | 9185.4 | *9349.6* | 8213.1 |
| 72.5° | *479.7* | *471.5* | *514.7* | *499.3* | *364.9* | *340.8* | *905.4* | *4588.3* | *9124.6* | *9465.4* | *7976.8* |
| 75° | 368.5 | 363.9 | 415.4 | 428.3 | 297.5 | 268.2 | 434.4 | 3410.6 | 8029.8 | *8373.1* | 6874.8 |
| 77.5° | 286.2 | 282.6 | 308.8 | 355.7 | 239.9 | 208.0 | 267.1 | 2163.4 | 6051.2 | *6111.4* | 4737.6 |
| 80° | 214.6 | 204.3 | 228.5 | 275.4 | 186.8 | 151.8 | 181.2 | 1261.6 | 3825.0 | *3467.2* | 2062.0 |
| 82.5° | 134.3 | 129.2 | 149.3 | 183.8 | 131.8 | 104.5 | 117.9 | 696.9 | 1532.9 | *902.8* | 397.9 |
| 85° | 76.7 | 74.6 | 81.3 | 105.0 | 71.5 | 60.2 | 67.4 | 307.8 | 280.0 | *192.5* | 119.9 |
| 87.5° | 30.9 | 29.9 | 37.1 | 46.8 | 26.3 | 22.1 | 23.7 | 74.1 | 61.8 | *57.1* | 39.6 |
| 90° | 0.0 | 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):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 | 1953.4 |
| 2.5° | 1959.1 | 1959.1 | 1951.9 | 1940.5 | 1927.7 | 1919.4 | 1906.1 | 1902.4 | 1888.5 | 1884.4 | 1891.1 |
| 5° | 1982.7 | 1978.6 | 1956.5 | 1924.6 | 1880.8 | 1840.7 | 1796.4 | 1768.6 | 1729.5 | 1715.6 | 1725.9 |
| 7.5° | 2012.6 | 2001.3 | 1963.2 | 1893.2 | 1801.6 | 1711.5 | 1617.8 | 1546.8 | 1478.8 | 1454.6 | 1457.7 |
| 10° | 2039.9 | 2023.9 | 1959.1 | 1836.6 | 1678.0 | 1522.1 | 1372.8 | 1268.3 | 1189.0 | 1156.6 | 1163.8 |
| 12.5° | 2067.2 | 2037.8 | 1931.8 | 1742.4 | 1502.5 | 1290.9 | 1131.9 | 1050.6 | 1001.7 | 962.5 | 975.4 |
| 15° | 2092.9 | 2051.7 | 1889.6 | 1616.3 | 1310.0 | 1095.3 | 978.0 | 913.1 | 874.0 | 848.3 | 852.9 |
| 17.5° | 2122.8 | 2063.6 | 1826.3 | 1456.2 | 1126.7 | 960.0 | 864.2 | 825.1 | 817.4 | 814.3 | 816.4 |
| 20° | 2164.4 | 2074.4 | 1742.9 | 1277.0 | 991.9 | 851.9 | 802.5 | 798.9 | 798.3 | 796.8 | 802.0 |
| 22.5° | 2209.2 | 2087.2 | 1632.7 | 1114.4 | 877.1 | 784.5 | 775.7 | 768.5 | 763.9 | 763.3 | 769.0 |
| 25° | 2262.2 | 2091.4 | 1494.8 | 981.1 | 779.3 | 752.5 | 742.2 | 731.4 | 728.3 | 728.3 | 731.4 |
| 27.5° | 2313.7 | 2077.5 | 1334.2 | 865.3 | 724.2 | 723.2 | 709.8 | 706.2 | 705.7 | 707.2 | 711.4 |
| 30° | 2365.2 | 2051.2 | 1174.6 | 758.2 | 692.3 | 692.3 | 687.7 | 690.3 | 692.3 | 697.5 | 701.1 |
| 32.5° | 2434.7 | 2023.4 | 1041.3 | 678.9 | 664.5 | 659.4 | 664.0 | 669.2 | 671.2 | 677.9 | 683.6 |
| 35° | 2536.6 | 2003.8 | 935.3 | 635.7 | 635.7 | 629.0 | 631.6 | 630.5 | 625.9 | 622.8 | 630.0 |
| 37.5° | 2671.5 | 2002.8 | 847.8 | 615.6 | 611.5 | 610.5 | 611.0 | 604.3 | 586.3 | 564.7 | 565.2 |
| 40° | 2833.6 | 2030.6 | 780.3 | 601.7 | 598.6 | 604.8 | 601.7 | 583.7 | 534.3 | 496.7 | 495.7 |
| 42.5° | 3051.3 | 2109.9 | 737.1 | 584.7 | 594.0 | 601.7 | 589.4 | 527.1 | 493.6 | 468.4 | 467.4 |
| 45° | 3307.7 | 2238.6 | 715.0 | 566.7 | 585.2 | 594.5 | 534.8 | 507.5 | 480.8 | 450.4 | 448.3 |
| 47.5° | 3598.0 | 2400.7 | 709.8 | 549.7 | 565.7 | 571.4 | 511.6 | 499.3 | 468.9 | 436.0 | 433.4 |
| 50° | 3914.0 | 2592.7 | 723.7 | 529.7 | 537.4 | 517.8 | 503.9 | 492.6 | 461.2 | 428.8 | 425.2 |
| 52.5° | 4240.9 | 2804.3 | 751.5 | 502.4 | 509.1 | 487.5 | 500.8 | 491.1 | 456.6 | 412.8 | 409.7 |
| 55° | 4562.1 | 3017.4 | 778.3 | 470.5 | 480.2 | 460.2 | 492.1 | 484.9 | 435.5 | 386.0 | 383.5 |
| 57.5° | 4888.4 | 3229.4 | 804.5 | 442.2 | 452.4 | 433.9 | 478.2 | 468.4 | 411.8 | 361.3 | 360.3 |
| 60° | 5227.6 | 3435.3 | 816.9 | 414.9 | 422.1 | 409.7 | 457.1 | 440.1 | 385.0 | 336.1 | 334.6 |
| 62.5° | 5545.2 | 3606.7 | 796.8 | 387.6 | 392.2 | 387.1 | 429.3 | 406.6 | 358.3 | 307.8 | 307.3 |
| 65° | 5863.8 | 3708.6 | 735.0 | 360.8 | 361.9 | 359.3 | 390.2 | 370.6 | 326.9 | 283.1 | 280.0 |
| 67.5° | 6152.6 | 3765.8 | 636.7 | 332.0 | 329.4 | 328.4 | 353.6 | 331.5 | 296.5 | 258.4 | 255.3 |
| 70° | 6213.8 | 3620.6 | 486.4 | 298.0 | 298.0 | 295.5 | 313.5 | 290.8 | 263.0 | 232.1 | 231.1 |
| 72.5° | *5675.4* | *3045.7* | *345.4* | *259.4* | *263.5* | *258.4* | *273.3* | *254.3* | *229.1* | *208.5* | *202.3* |
| 75° | 4576.5 | 2233.4 | 251.2 | 219.8 | 227.0 | 218.2 | 232.1 | 218.8 | 197.1 | 196.6 | 177.1 |
| 77.5° | 3144.5 | 1381.0 | 182.2 | 181.2 | 186.3 | 175.0 | 191.0 | 183.8 | 164.2 | 155.4 | 145.7 |
| 80° | 1341.9 | 550.8 | 132.8 | 140.0 | 140.0 | 129.7 | 148.2 | 150.3 | 133.3 | 129.2 | 129.2 |
| 82.5° | 267.1 | 156.5 | 93.2 | 96.3 | 90.6 | 87.5 | 105.0 | 116.3 | 160.6 | 178.6 | 179.1 |
| 85° | 80.3 | 57.6 | 56.1 | 52.5 | 46.3 | 46.8 | 61.8 | 116.8 | 144.1 | 82.4 | 71.0 |
| 87.5° | 22.1 | 14.4 | 14.9 | 11.8 | 9.8 | 12.9 | 21.1 | 88.5 | 48.4 | 20.6 | 17.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


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SS

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(END OF REPORT)