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: P1201977

Luminaire Tested: GWC-SB1C-827-U-T3

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1201977 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/16/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB1C-827-U-T3 |
| Description: | GALLEON WALL LUMINAIRE |
| | (1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 6552 lumens |
| Efficiency: | N/A |
| Efficacy: | 120.4 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type III - Short |
| BUG Rating: | B1 - U0 - G1 |

| | |
|---|---|
| Input Watts (W): | 54.4 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.437 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.993 |
| Total Harmonic Distortion (THDi): | 9.314 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

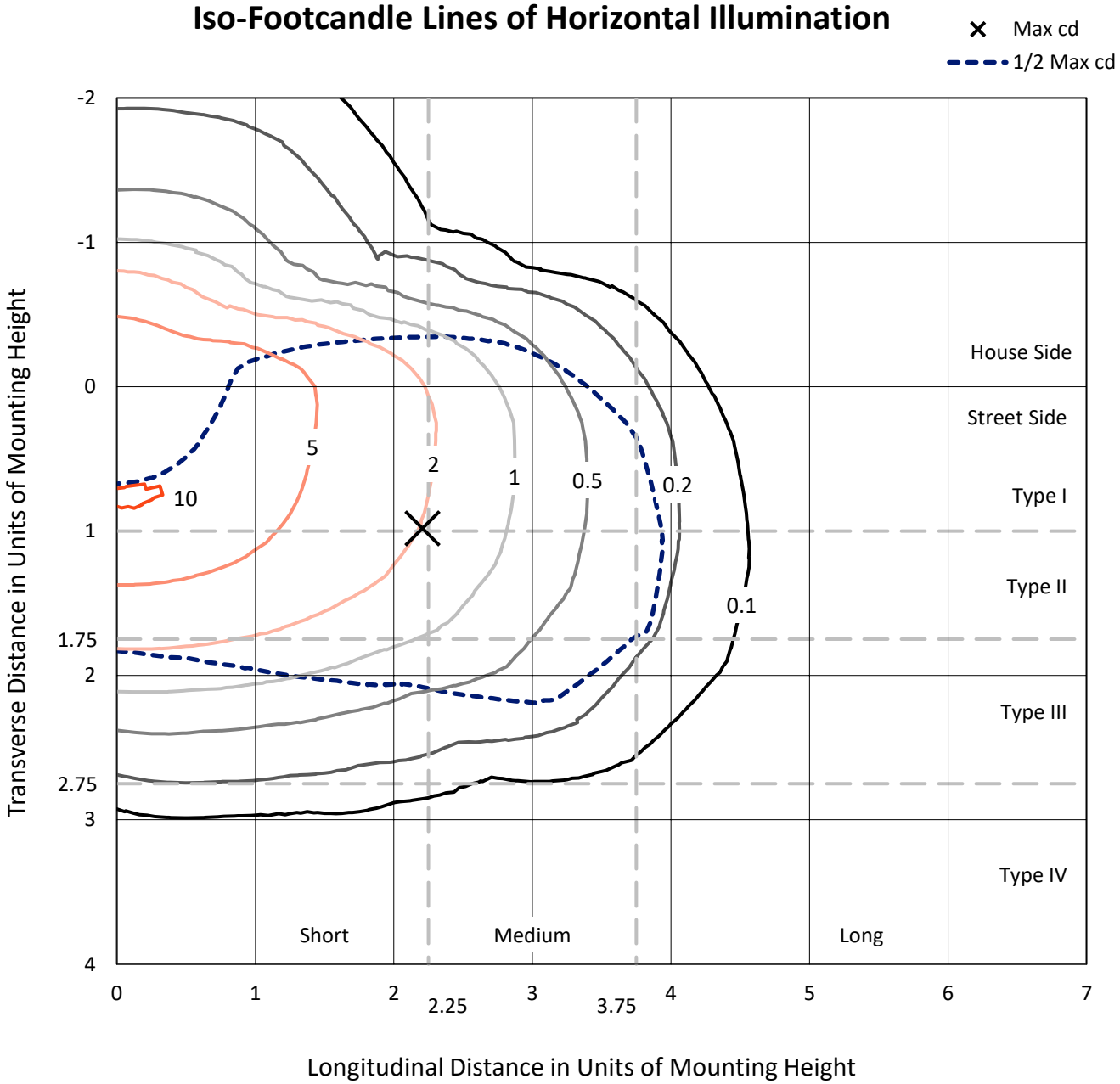


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## Iso-Footcandle Lines of Horizontal Illumination



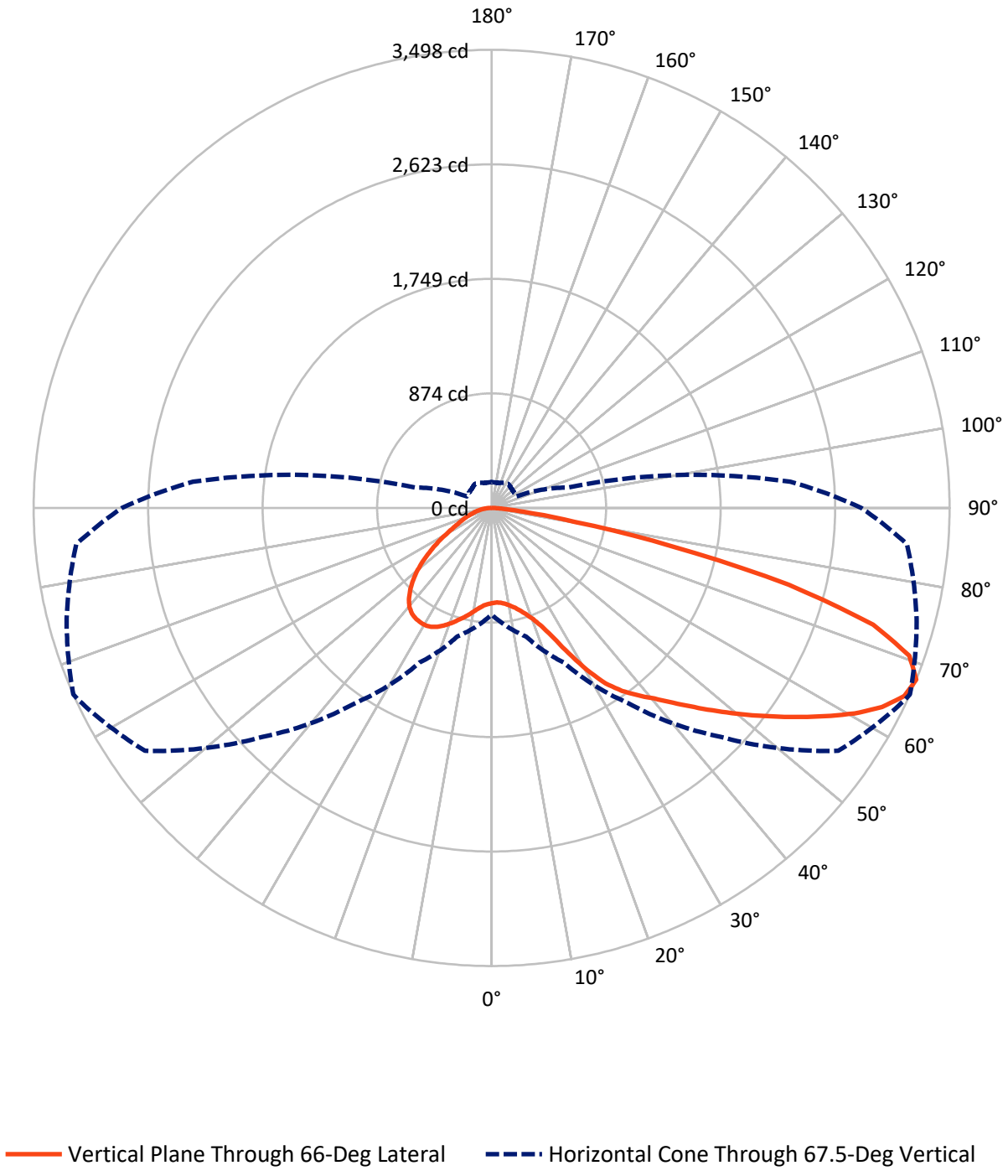

Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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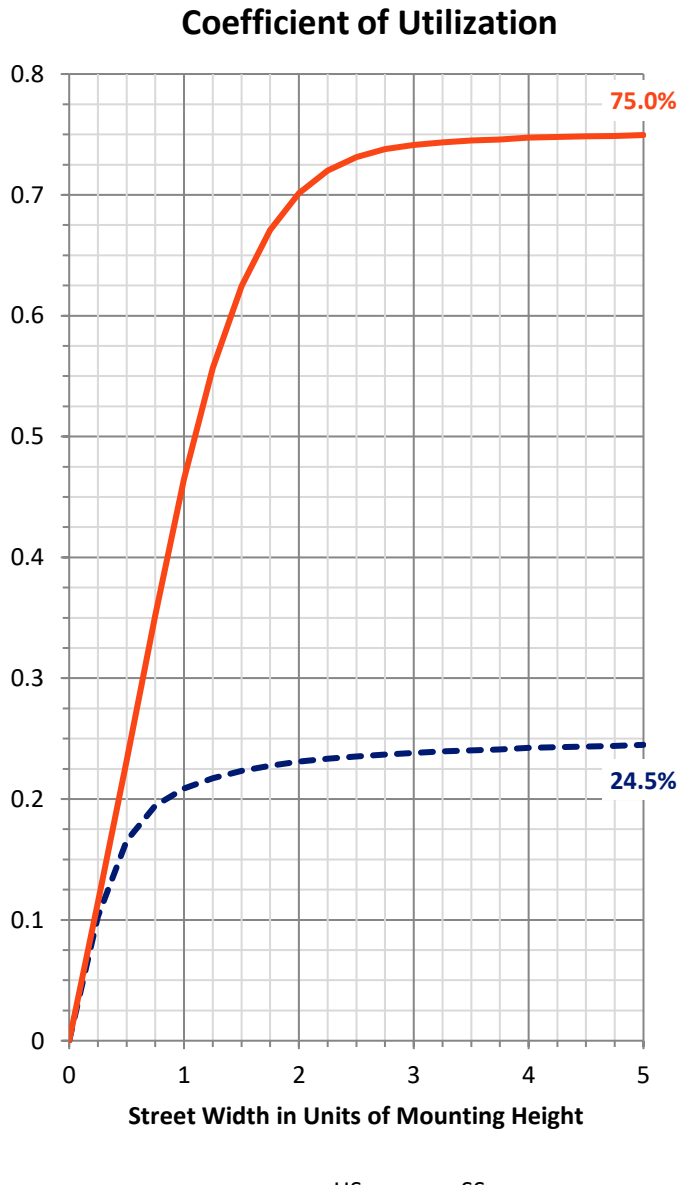
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1629.1 | 0.0 | 1629.1 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| **Street Side** | Lumens | 4922.9 | 0.0 | 4922.9 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| **Total** | Lumens | 6552.0 | 0.0 | 6552.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 72.0 | 1.1 |
| 10°-20° | 238.0 | 3.6 |
| 20°-30° | 458.8 | 7.0 |
| 30°-40° | 804.5 | 12.3 |
| 40°-50° | 1196.0 | 18.3 |
| 50°-60° | 1516.0 | 23.1 |
| 60°-70° | 1483.4 | 22.6 |
| 70°-80° | 707.6 | 10.8 |
| 80°-90° | 75.6 | 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° | 6552.0 | 100.0 |
| 0°-180° | 6552.0 | 100.0 |



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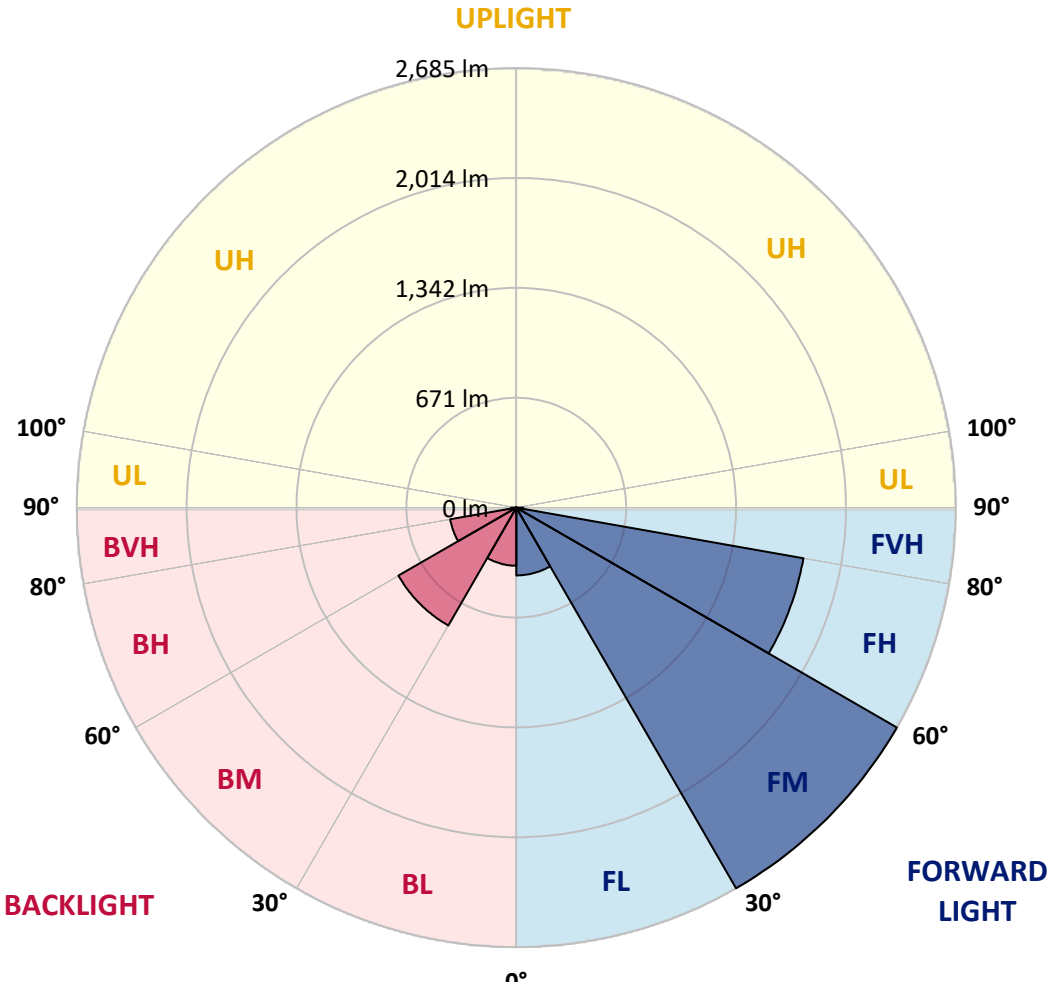
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 414.0 | 6.3 | | | |
| FM | (30°-60°) | 2685.0 | 41.0 | | | |
| FH | (60°-80°) | 1781.0 | 27.2 | | | G1/1800 |
| FVH | (80°-90°) | 42.9 | 0.7 | | | G1/100 |
| BL | (0°-30°) | 354.9 | 5.4 | B1/500 | | |
| BM | (30°-60°) | 831.5 | 12.7 | B1/1000 | | |
| BH | (60°-80°) | 410.0 | 6.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 32.7 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G1**
Type III Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 726.7 | 726.7 | 726.7 | 726.7 | 726.7 | 726.7 | 726.7 | 726.7 | *726.7* | 726.7 | 726.7 |
| 2.5° | 719.1 | 723.3 | 722.2 | 720.5 | 720.2 | 720.9 | 721.9 | 722.9 | *722.6* | 724.3 | 727.0 |
| 5° | 717.1 | 721.2 | 720.9 | 720.9 | 722.2 | 725.0 | 726.7 | 728.4 | *726.7* | 728.8 | 732.6 |
| 7.5° | 718.4 | 721.5 | 722.9 | 724.3 | 727.7 | 732.9 | 737.0 | 740.8 | *738.8* | 741.2 | 746.0 |
| 10° | 736.0 | 738.4 | 739.8 | 739.8 | 742.2 | 748.0 | 752.2 | 759.1 | *757.3* | 761.1 | 767.3 |
| 12.5° | 768.0 | 770.4 | 770.4 | 769.0 | 770.8 | 774.6 | 775.9 | 783.5 | *780.4* | 786.6 | 792.8 |
| 15° | 807.3 | 812.1 | 808.3 | 805.9 | 806.6 | 810.4 | 810.0 | 815.9 | *812.8* | 817.9 | 823.4 |
| 17.5° | 850.6 | 856.8 | 850.6 | 850.3 | 848.9 | 853.0 | 853.4 | 858.5 | *853.0* | 856.8 | 860.6 |
| 20° | 901.9 | 910.5 | 905.4 | 907.1 | 904.0 | 905.7 | 907.4 | 915.0 | *906.4* | 909.2 | 908.1 |
| 22.5° | 974.2 | 984.5 | 979.0 | 985.6 | 983.5 | 982.1 | 981.8 | 995.2 | *981.8* | 982.8 | 972.8 |
| 25° | 1079.6 | 1091.9 | 1082.3 | 1091.3 | 1091.3 | 1095.7 | 1100.9 | 1118.1 | *1095.7* | 1089.2 | 1063.4 |
| 27.5° | 1235.2 | 1247.5 | 1228.6 | 1234.1 | 1232.4 | 1243.4 | 1237.9 | 1280.6 | *1256.5* | 1245.8 | 1193.8 |
| 30° | 1422.4 | 1444.5 | 1408.7 | 1407.3 | 1405.6 | 1423.1 | 1431.0 | 1459.3 | *1434.8* | 1424.1 | 1361.5 |
| 32.5° | 1624.8 | 1647.9 | 1605.2 | 1592.8 | 1586.3 | 1597.0 | 1590.4 | 1613.1 | *1596.3* | 1579.7 | 1502.3 |
| 35° | 1839.0 | 1861.7 | 1821.1 | 1797.0 | 1770.8 | 1748.4 | 1725.0 | 1730.9 | *1715.0* | 1689.9 | 1609.7 |
| 37.5° | 2041.4 | 2083.0 | 2040.0 | 2014.2 | 1966.0 | 1922.3 | 1856.9 | 1829.7 | *1814.9* | 1791.8 | 1710.9 |
| 40° | 2247.6 | 2271.3 | 2238.6 | 2216.6 | 2164.3 | 2095.8 | 1991.1 | 1933.6 | *1913.7* | 1891.3 | 1822.8 |
| 42.5° | 2399.4 | 2422.1 | 2404.6 | 2389.4 | 2348.4 | 2268.9 | 2133.6 | 2061.7 | *2032.8* | 2007.6 | 1949.5 |
| 45° | 2519.9 | 2536.7 | 2525.7 | 2531.2 | 2513.7 | 2436.6 | 2281.3 | 2199.0 | *2169.1* | 2138.5 | 2092.7 |
| 47.5° | 2568.4 | 2586.3 | 2603.9 | 2636.6 | 2666.5 | 2609.7 | 2440.0 | 2347.8 | *2316.1* | 2284.8 | 2239.7 |
| 50° | 2562.9 | 2581.2 | 2632.1 | 2701.6 | 2794.6 | 2775.7 | 2607.3 | 2506.1 | *2476.9* | 2441.0 | 2399.4 |
| 52.5° | 2518.8 | 2539.5 | 2604.9 | 2720.6 | 2868.6 | 2899.9 | 2777.7 | 2669.6 | *2642.1* | 2599.4 | 2557.7 |
| 55° | 2403.2 | 2415.6 | 2513.7 | 2677.5 | 2886.2 | 2986.7 | 2944.7 | 2843.8 | *2816.3* | 2756.7 | 2711.3 |
| 57.5° | 2188.7 | 2206.6 | 2349.5 | 2561.5 | 2842.1 | 3045.5 | 3091.3 | 3027.0 | *3000.4* | 2914.7 | 2867.2 |
| 60° | 1908.8 | 1937.4 | 2100.9 | 2366.7 | 2729.9 | 3045.2 | 3224.6 | 3207.0 | *3185.0* | 3070.3 | 3020.8 |
| 62.5° | 1592.1 | 1625.2 | 1782.5 | 2091.3 | 2533.7 | 2958.8 | 3307.9 | 3357.8 | *3346.4* | 3213.9 | 3150.5 |
| 65° | 1222.8 | 1245.5 | 1402.1 | 1735.0 | 2228.3 | 2773.2 | 3317.5 | 3460.7 | *3462.8* | 3323.0 | 3218.4 |
| 67.5° | *814.1* | *879.5* | *1015.5* | *1301.9* | *1819.3* | *2470.0* | *3232.8* | *3477.6* | *3497.5* | *3360.5* | *3184.3* |
| 70° | 397.3 | 483.3 | 616.5 | 846.2 | 1301.9 | 2004.9 | 3011.5 | 3339.2 | *3383.6* | 3251.1 | 2981.2 |
| 72.5° | 164.9 | 192.8 | 265.4 | 417.6 | 747.4 | 1352.9 | 2566.7 | 2964.0 | *3046.2* | 2880.7 | 2506.5 |
| 75° | 111.2 | 120.5 | 151.8 | 214.1 | 340.5 | 667.1 | 1851.0 | 2210.1 | *2342.6* | 2175.6 | 1778.4 |
| 77.5° | 85.7 | 91.6 | 110.5 | 149.7 | 202.4 | 252.3 | 990.7 | 1331.9 | *1400.4* | 1296.4 | 925.3 |
| 80° | 67.5 | 71.9 | 82.6 | 109.1 | 143.6 | 134.9 | 337.7 | 603.5 | *643.1* | 539.4 | 297.4 |
| 82.5° | 58.5 | 60.2 | 59.2 | 74.0 | 95.4 | 78.8 | 110.8 | 222.7 | *245.8* | 178.3 | 97.1 |
| 85° | 42.3 | 47.2 | 49.2 | 45.8 | 50.6 | 39.9 | 45.4 | 78.8 | *86.8* | 77.5 | 54.7 |
| 87.5° | 17.2 | 25.5 | 31.3 | 29.6 | 18.6 | 11.4 | 14.1 | 23.1 | *26.5* | 28.9 | 17.9 |
| 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° | 726.7 | 726.7 | 726.7 | 726.7 | 726.7 | 726.7 | 726.7 | 726.7 | 726.7 | 726.7 | 726.7 |
| 2.5° | 727.4 | 729.8 | 731.5 | 733.6 | 735.0 | 737.0 | 741.2 | 743.6 | 743.9 | 745.6 | 745.3 |
| 5° | 733.9 | 737.4 | 741.2 | 746.7 | 752.9 | 758.0 | 765.9 | 771.5 | 773.5 | 775.2 | 774.9 |
| 7.5° | 748.0 | 752.9 | 759.8 | 769.4 | 778.3 | 785.2 | 794.9 | 801.4 | 807.9 | 810.4 | 810.7 |
| 10° | 769.0 | 775.9 | 785.9 | 799.0 | 808.6 | 817.6 | 827.6 | 833.1 | 839.6 | 842.4 | 843.7 |
| 12.5° | 795.2 | 802.4 | 815.5 | 833.8 | 842.7 | 848.9 | 852.4 | 851.0 | 852.4 | 854.8 | 855.5 |
| 15° | 825.2 | 833.1 | 847.9 | 867.5 | 873.7 | 868.2 | 860.6 | 853.7 | 852.7 | 853.4 | 855.8 |
| 17.5° | 860.6 | 866.5 | 883.7 | 900.2 | 895.7 | 873.0 | 856.5 | 845.5 | 840.0 | 838.2 | 840.6 |
| 20° | 910.2 | 910.2 | 924.3 | 934.6 | 904.7 | 866.1 | 840.3 | 822.4 | 811.0 | 806.2 | 805.2 |
| 22.5° | 970.4 | 964.9 | 973.9 | 966.6 | 903.0 | 846.8 | 811.0 | 780.1 | 762.8 | 756.0 | 754.9 |
| 25° | 1046.9 | 1040.3 | 1037.9 | 993.1 | 890.6 | 816.2 | 758.0 | 720.5 | 705.4 | 701.6 | 702.3 |
| 27.5° | 1162.2 | 1145.7 | 1114.3 | 1007.6 | 867.8 | 768.0 | 696.1 | 661.3 | 652.7 | 653.0 | 654.1 |
| 30° | 1315.7 | 1282.7 | 1205.9 | 1010.0 | 830.7 | 699.9 | 632.7 | 607.9 | 603.8 | 605.5 | 611.4 |
| 32.5° | 1457.9 | 1426.6 | 1299.5 | 999.0 | 773.5 | 633.1 | 575.9 | 559.4 | 553.2 | 555.3 | 558.0 |
| 35° | 1569.4 | 1560.8 | 1386.3 | 983.5 | 703.3 | 570.4 | 525.0 | 510.9 | 498.8 | 496.1 | 498.1 |
| 37.5° | 1674.8 | 1671.3 | 1451.3 | 961.8 | 633.8 | 526.0 | 484.0 | 465.4 | 447.9 | 438.2 | 438.6 |
| 40° | 1790.4 | 1787.0 | 1494.0 | 928.4 | 572.1 | 487.5 | 447.2 | 422.7 | 401.0 | 383.5 | 385.2 |
| 42.5° | 1920.5 | 1900.2 | 1514.3 | 880.6 | 519.8 | 454.7 | 417.2 | 384.2 | 355.6 | 339.4 | 340.5 |
| 45° | 2062.7 | 2016.9 | 1514.0 | 819.6 | 475.7 | 424.8 | 385.2 | 338.4 | 311.9 | 296.7 | 296.1 |
| 47.5° | 2213.5 | 2128.5 | 1495.4 | 752.2 | 433.1 | 391.8 | 335.6 | 299.8 | 282.3 | 273.0 | 270.9 |
| 50° | 2369.1 | 2232.8 | 1463.7 | 674.7 | 389.3 | 354.2 | 304.7 | 280.2 | 266.8 | 258.2 | 255.1 |
| 52.5° | 2515.4 | 2327.4 | 1425.5 | 586.9 | 344.9 | 317.7 | 290.9 | 272.0 | 257.8 | 248.2 | 244.1 |
| 55° | 2651.4 | 2409.0 | 1371.5 | 497.1 | 308.8 | 293.3 | 284.3 | 268.5 | 252.3 | 241.0 | 236.5 |
| 57.5° | 2772.2 | 2462.0 | 1278.2 | 412.8 | 283.0 | 276.4 | 277.5 | 262.7 | 244.1 | 234.4 | 228.2 |
| 60° | 2872.7 | 2500.9 | 1140.1 | 334.6 | 262.0 | 259.9 | 266.8 | 251.6 | 230.0 | 218.9 | 214.1 |
| 62.5° | 2933.0 | 2500.3 | 970.8 | 274.0 | 244.1 | 244.8 | 252.7 | 237.9 | 215.8 | 205.5 | 202.4 |
| 65° | 2927.8 | 2439.0 | 784.9 | 234.4 | 226.9 | 227.5 | 237.9 | 222.7 | 204.1 | 197.9 | 197.6 |
| 67.5° | *2824.2* | *2289.6* | *602.1* | *208.6* | *207.9* | *211.0* | *223.1* | *212.4* | *196.9* | *196.2* | *197.3* |
| 70° | 2543.6 | 1979.4 | 433.8 | 188.0 | 188.3 | 192.8 | 208.6 | 205.9 | 193.1 | 194.5 | 194.2 |
| 72.5° | 2039.7 | 1509.2 | 291.2 | 166.3 | 166.6 | 173.8 | 194.8 | 200.7 | 189.3 | 207.6 | 210.3 |
| 75° | 1358.4 | 941.2 | 187.3 | 143.2 | 143.6 | 152.8 | 182.8 | 190.7 | 179.0 | 206.9 | 208.6 |
| 77.5° | 652.7 | 423.1 | 135.6 | 120.5 | 120.5 | 129.1 | 158.0 | 170.7 | 152.5 | 160.8 | 147.3 |
| 80° | 225.5 | 159.0 | 106.7 | 97.1 | 95.0 | 100.9 | 133.2 | 148.0 | 131.5 | 121.2 | 113.6 |
| 82.5° | 88.8 | 82.6 | 85.7 | 75.4 | 68.5 | 72.3 | 103.6 | 122.2 | 96.7 | 87.4 | 87.1 |
| 85° | 50.9 | 53.7 | 60.6 | 49.9 | 39.6 | 44.4 | 76.1 | 87.8 | 73.0 | 64.4 | 65.8 |
| 87.5° | 13.8 | 18.9 | 27.9 | 25.8 | 17.9 | 18.9 | 36.1 | 48.5 | 42.0 | 32.4 | 33.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


HS
SS

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(END OF REPORT)