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: P1201507

Luminaire Tested: GWC-SB1B-735-U-SL4

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1201507 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/16/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB1B-735-U-SL4 |
| Description: | GALLEON WALL LUMINAIRE |
| | (1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 5612 lumens |
| Efficiency: | N/A |
| Efficacy: | 141.0 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Medium |
| BUG Rating: | B1 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 39.8 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.33 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.996 |
| Total Harmonic Distortion (THDi): | 5.305 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

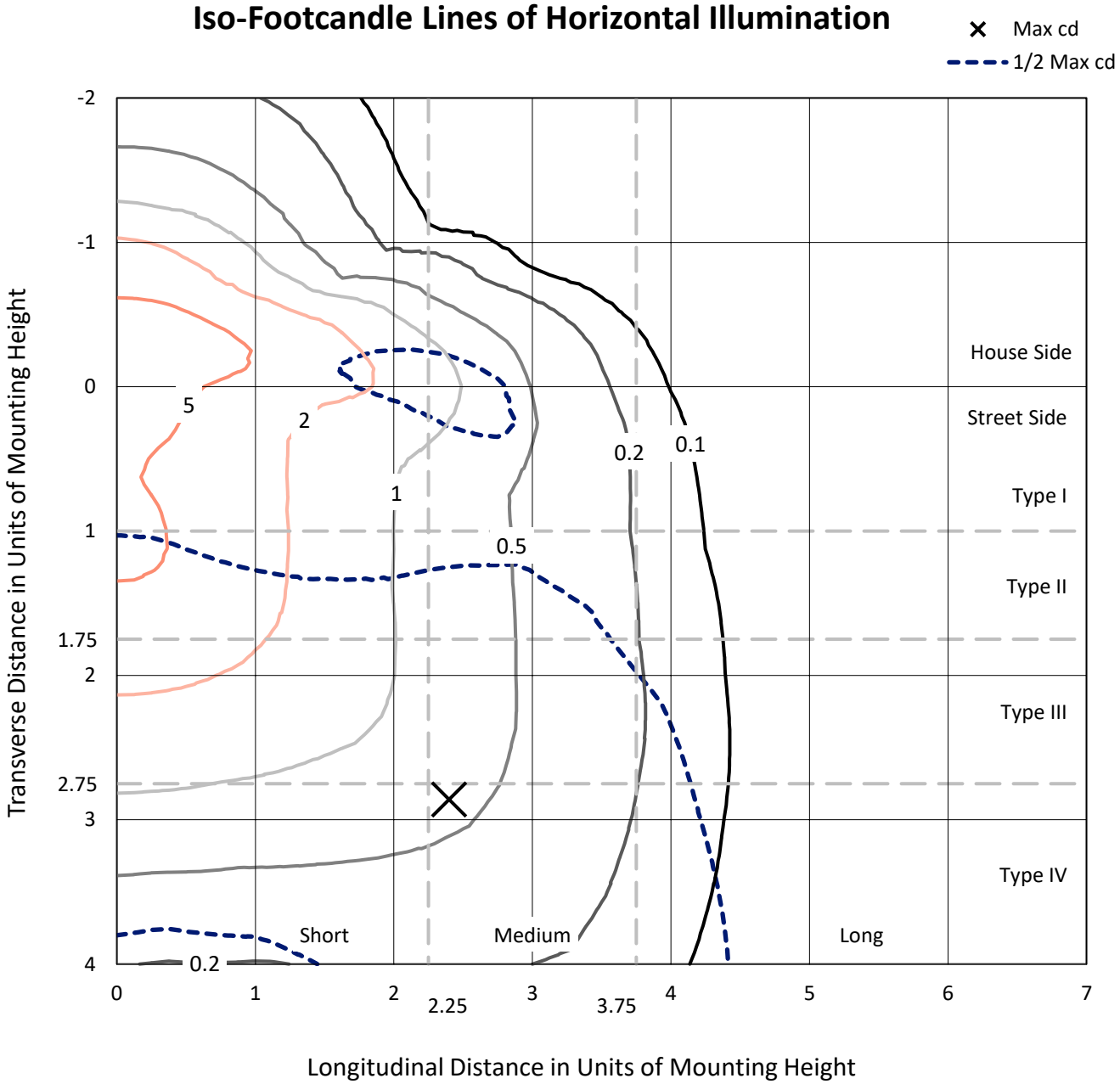


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## Iso-Footcandle Lines of Horizontal Illumination



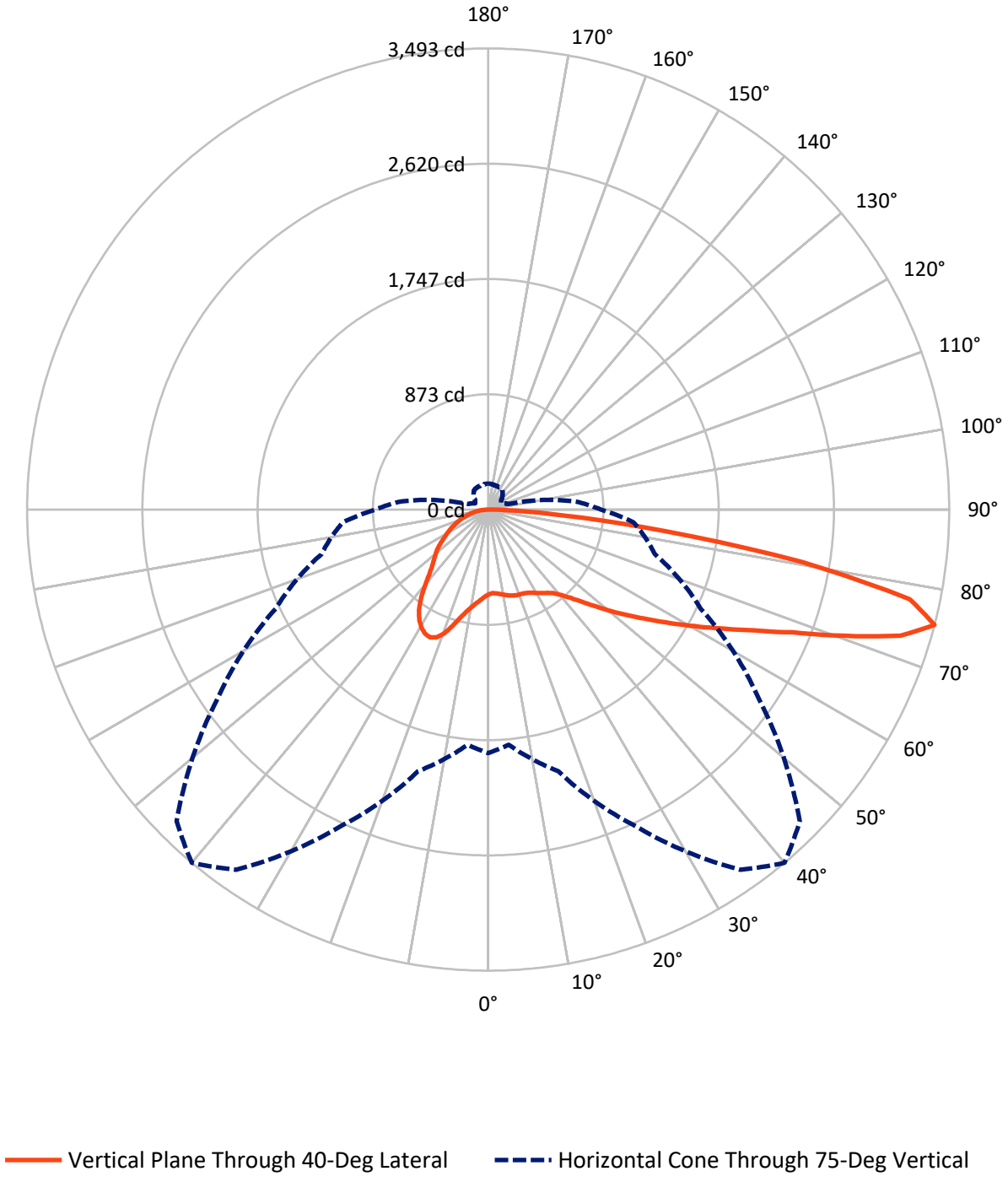

Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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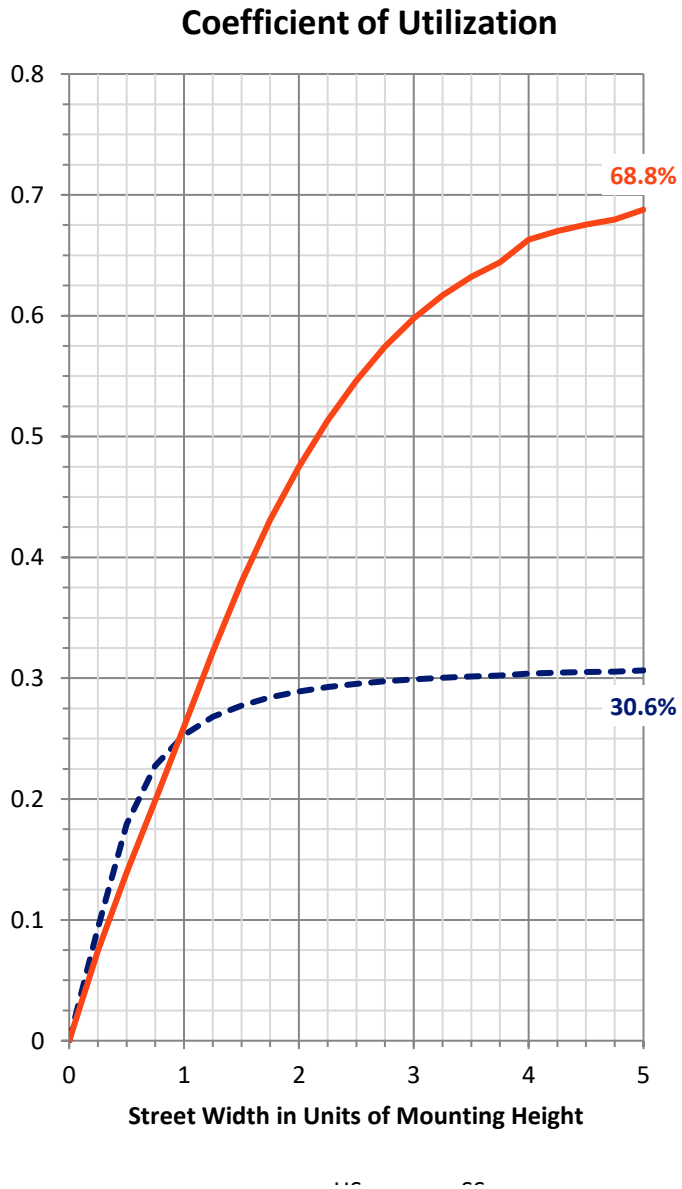
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1738.8 | 0.0 | 1738.8 |
| | % Fixture | 31.0 | 0.0 | 31.0 |
| **Street Side** | Lumens | 3873.2 | 0.0 | 3873.2 |
| | % Fixture | 69.0 | 0.0 | 69.0 |
| **Total** | Lumens | 5612.0 | 0.0 | 5612.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 64.1 | 1.1 |
| 10°-20° | 215.1 | 3.8 |
| 20°-30° | 392.7 | 7.0 |
| 30°-40° | 557.0 | 9.9 |
| 40°-50° | 752.1 | 13.4 |
| 50°-60° | 1011.7 | 18.0 |
| 60°-70° | 1284.1 | 22.9 |
| 70°-80° | 1165.4 | 20.8 |
| 80°-90° | 169.9 | 3.0 |
| 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° | 5612.0 | 100.0 |
| 0°-180° | 5612.0 | 100.0 |



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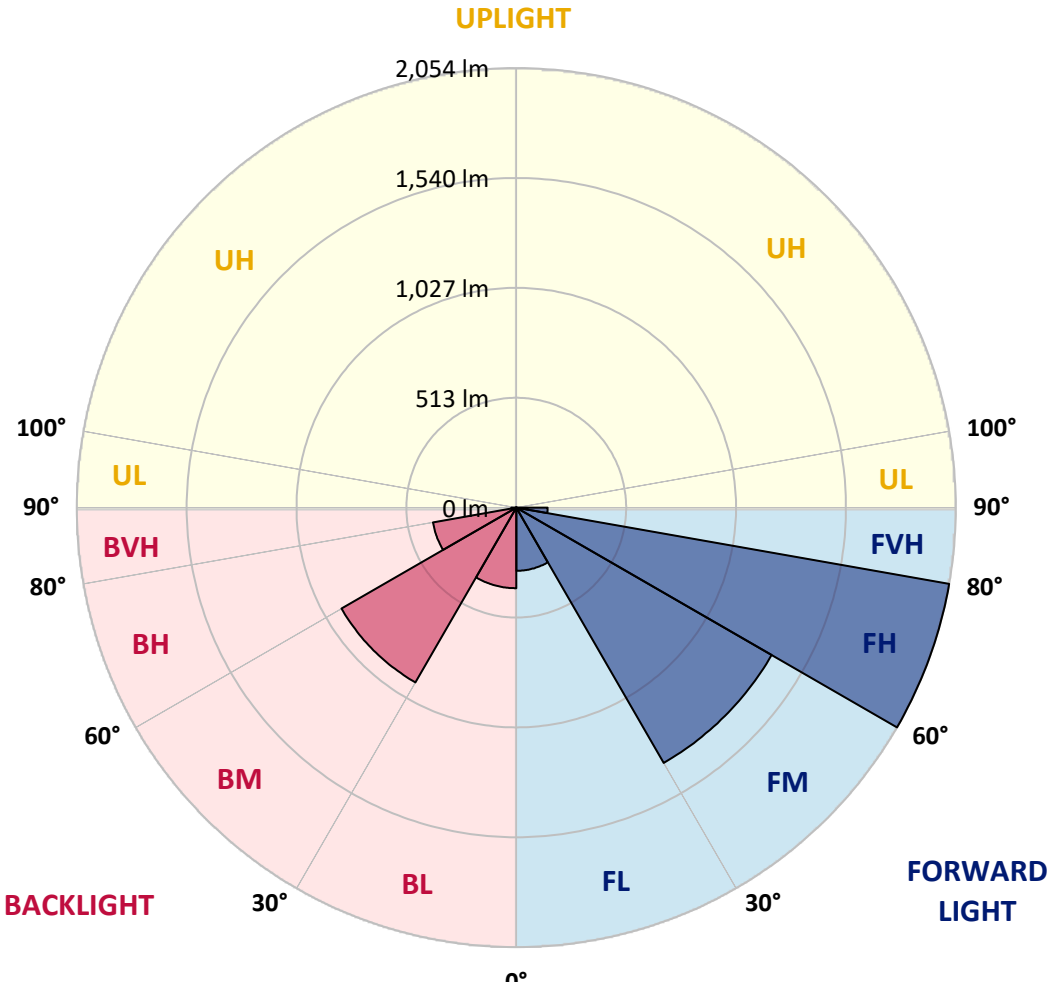
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 295.2 | 5.3 | | | |
| FM | (30°-60°) | 1377.6 | 24.5 | | | |
| FH | (60°-80°) | 2053.9 | 36.6 | | | G2/5000 |
| FVH | (80°-90°) | 146.5 | 2.6 | | | G2/225 |
| BL | (0°-30°) | 376.6 | 6.7 | B1/500 | | |
| BM | (30°-60°) | 943.1 | 16.8 | B1/1000 | | |
| BH | (60°-80°) | 395.6 | 7.0 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 23.4 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G2**
Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 |
| 2.5° | 631.9 | 635.5 | 634.6 | 633.4 | 633.4 | 633.7 | 633.4 | 635.5 | 637.6 | 639.7 | 642.9 |
| 5° | 638.5 | 642.0 | 640.3 | 638.8 | 637.6 | 637.3 | 636.4 | 636.1 | 637.3 | 640.0 | 644.4 |
| 7.5° | 651.3 | 654.8 | 652.2 | 649.5 | 647.1 | 645.9 | 644.7 | 642.9 | 642.0 | 643.5 | 649.8 |
| 10° | 665.6 | 669.1 | 665.8 | 661.1 | 657.2 | 655.7 | 654.5 | 652.8 | 651.6 | 652.5 | 659.3 |
| 12.5° | 679.8 | 683.4 | 678.9 | 672.4 | 667.3 | 666.4 | 665.0 | 664.4 | 664.1 | 663.8 | 670.6 |
| 15° | 693.2 | 696.2 | 690.6 | 682.8 | 677.5 | 676.0 | 674.5 | 675.4 | 676.9 | 678.6 | 686.4 |
| 17.5° | 703.7 | 706.6 | 698.3 | 688.2 | 683.1 | 682.5 | 681.6 | 684.6 | 688.8 | 693.2 | 702.8 |
| 20° | 713.2 | 716.2 | 705.4 | 691.7 | 685.8 | 685.8 | 686.1 | 692.3 | 698.3 | 704.8 | 717.9 |
| 22.5° | 726.6 | 729.0 | 715.9 | 697.1 | 688.5 | 689.1 | 691.4 | 697.7 | 705.1 | 714.1 | 732.2 |
| 25° | 746.5 | 748.3 | 732.2 | 707.2 | 697.4 | 699.2 | 701.3 | 704.2 | 711.4 | 721.8 | 746.2 |
| 27.5° | 778.7 | 780.1 | 759.0 | 725.1 | 710.2 | 713.2 | 716.2 | 714.1 | 717.3 | 726.3 | 757.5 |
| 30° | 823.9 | 824.8 | 798.0 | 753.1 | 731.9 | 733.4 | 734.0 | 725.4 | 719.1 | 726.3 | 765.6 |
| 32.5° | 877.5 | 877.2 | 845.3 | 787.0 | 756.6 | 755.1 | 750.1 | 733.1 | 718.5 | 724.8 | 772.7 |
| 35° | 960.5 | 957.3 | 916.2 | 834.6 | 784.6 | 775.4 | 763.5 | 741.8 | 721.5 | 723.3 | 779.0 |
| 37.5° | 1098.0 | 1087.9 | 1031.1 | 912.6 | 826.3 | 802.8 | 785.2 | 755.7 | 728.1 | 722.7 | 786.4 |
| 40° | 1253.1 | 1240.3 | 1177.8 | 1019.5 | 888.8 | 851.0 | 822.7 | 775.7 | 738.8 | 725.4 | 797.4 |
| 42.5° | 1437.1 | 1418.9 | 1351.6 | 1145.4 | 968.0 | 913.2 | 870.6 | 801.0 | 754.6 | 734.0 | 812.3 |
| 45° | 1663.0 | 1638.9 | 1543.6 | 1287.3 | 1067.7 | 994.8 | 937.9 | 839.4 | 778.7 | 750.7 | 834.6 |
| 47.5° | 1891.3 | 1897.2 | 1761.8 | 1449.9 | 1187.3 | 1095.4 | 1022.1 | 897.1 | 813.8 | 777.5 | 870.6 |
| 50° | 2133.9 | 2138.0 | 1978.8 | 1629.9 | 1323.1 | 1209.1 | 1116.8 | 961.7 | 862.6 | 815.6 | 924.5 |
| 52.5° | 2323.2 | 2323.8 | 2175.8 | 1818.4 | 1464.5 | 1334.1 | 1218.9 | 1035.5 | 919.2 | 866.2 | 996.2 |
| 55° | 2441.6 | 2440.2 | 2314.0 | 1996.7 | 1627.0 | 1465.3 | 1332.0 | 1119.5 | 988.2 | 925.7 | 1086.4 |
| 57.5° | 2527.7 | 2523.2 | 2409.2 | 2149.9 | 1800.2 | 1620.4 | 1460.0 | 1214.7 | 1069.8 | 996.5 | 1205.2 |
| 60° | 2560.4 | 2557.7 | 2473.8 | 2282.4 | 1982.4 | 1791.9 | 1607.6 | 1321.3 | 1162.3 | 1080.2 | 1357.9 |
| 62.5° | 2572.9 | 2578.0 | 2537.2 | 2410.7 | 2177.3 | 1981.8 | 1769.8 | 1448.7 | 1266.5 | 1174.8 | 1518.9 |
| 65° | 2617.0 | 2626.2 | 2617.9 | 2578.6 | 2397.6 | 2204.1 | 1985.0 | 1600.2 | 1380.2 | 1276.3 | 1687.1 |
| 67.5° | 2704.2 | 2713.4 | 2717.0 | 2779.5 | 2666.7 | 2481.2 | 2253.5 | 1788.9 | 1513.3 | 1381.7 | 1813.6 |
| 70° | 2702.1 | 2699.4 | 2762.5 | 2939.3 | 3003.6 | 2864.9 | 2615.5 | 2021.1 | 1671.9 | 1469.2 | 1829.7 |
| 72.5° | 2459.5 | 2438.1 | 2587.2 | 2937.5 | 3284.0 | 3265.6 | 3057.5 | 2320.5 | 1808.8 | 1479.9 | 1587.7 |
| 75° | 1845.2 | 1788.0 | 2051.4 | 2647.3 | 3330.7 | 3493.0 | 3338.5 | 2506.2 | 1776.4 | 1307.6 | 1104.9 |
| 77.5° | 789.1 | 731.6 | 1042.1 | 1959.7 | 2981.0 | 3265.3 | 3080.7 | 2186.6 | 1418.0 | 864.7 | 542.6 |
| 80° | 206.6 | 206.3 | 314.9 | 888.5 | 2027.3 | 2411.3 | 2115.4 | 1412.1 | 810.2 | 309.0 | 149.7 |
| 82.5° | 85.4 | 83.3 | 115.8 | 345.6 | 990.6 | 1353.1 | 1104.3 | 629.8 | 292.6 | 83.6 | 49.7 |
| 85° | 31.8 | 31.6 | 56.3 | 119.4 | 349.4 | 558.1 | 403.9 | 161.0 | 72.9 | 40.8 | 22.3 |
| 87.5° | 8.9 | 8.6 | 12.2 | 41.4 | 85.1 | 129.2 | 69.1 | 26.5 | 20.5 | 16.1 | 6.5 |
| 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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**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 | 641.7 |
| 2.5° | 643.8 | 645.3 | 648.0 | 650.1 | 652.8 | 655.7 | 659.9 | 662.6 | 665.3 | 667.0 | 665.8 |
| 5° | 646.5 | 649.8 | 656.6 | 663.5 | 671.5 | 678.9 | 687.6 | 693.8 | 698.9 | 700.4 | 701.0 |
| 7.5° | 652.5 | 657.8 | 669.4 | 681.0 | 693.8 | 706.0 | 718.5 | 729.2 | 737.9 | 741.2 | 741.5 |
| 10° | 662.9 | 670.0 | 686.4 | 702.8 | 719.7 | 738.5 | 754.6 | 770.0 | 782.2 | 787.3 | 787.6 |
| 12.5° | 676.0 | 684.9 | 706.3 | 729.0 | 752.5 | 778.4 | 799.2 | 818.2 | 833.4 | 840.3 | 840.3 |
| 15° | 692.9 | 704.5 | 731.9 | 762.3 | 796.8 | 832.8 | 859.3 | 880.5 | 897.4 | 905.8 | 905.2 |
| 17.5° | 711.4 | 726.9 | 761.4 | 807.2 | 856.6 | 904.0 | 934.9 | 950.4 | 968.0 | 976.0 | 975.7 |
| 20° | 729.2 | 748.3 | 797.7 | 864.4 | 930.2 | 980.5 | 1005.5 | 1009.6 | 1010.8 | 1011.7 | 1014.1 |
| 22.5° | 747.7 | 773.3 | 843.3 | 936.4 | 1007.0 | 1041.8 | 1045.4 | 1027.5 | 1002.5 | 990.9 | 994.2 |
| 25° | 767.9 | 801.9 | 902.8 | 1015.9 | 1073.0 | 1077.2 | 1049.8 | 1006.4 | 959.0 | 937.3 | 940.6 |
| 27.5° | 787.6 | 834.9 | 974.2 | 1091.8 | 1120.7 | 1084.1 | 1025.1 | 963.5 | 906.4 | 883.4 | 886.1 |
| 30° | 807.2 | 872.7 | 1053.1 | 1158.2 | 1142.4 | 1067.1 | 986.1 | 917.4 | 859.9 | 835.8 | 838.5 |
| 32.5° | 827.2 | 916.8 | 1143.9 | 1206.1 | 1138.5 | 1031.1 | 937.6 | 865.6 | 815.0 | 789.7 | 792.9 |
| 35° | 849.8 | 970.9 | 1229.9 | 1232.3 | 1112.6 | 978.1 | 873.6 | 803.7 | 759.6 | 739.4 | 743.8 |
| 37.5° | 879.3 | 1039.7 | 1305.8 | 1238.8 | 1067.4 | 900.4 | 794.1 | 730.4 | 694.1 | 684.9 | 691.4 |
| 40° | 915.9 | 1122.4 | 1363.8 | 1228.4 | 1000.4 | 806.0 | 707.2 | 656.3 | 635.8 | 637.9 | 645.0 |
| 42.5° | 963.5 | 1215.0 | 1404.6 | 1201.6 | 907.2 | 708.7 | 631.0 | 608.4 | 618.2 | 626.6 | 634.3 |
| 45° | 1025.4 | 1311.2 | 1429.9 | 1156.1 | 801.9 | 626.3 | 586.1 | 591.4 | 598.9 | 599.8 | 605.7 |
| 47.5° | 1104.6 | 1408.5 | 1446.6 | 1087.3 | 694.4 | 568.2 | 557.5 | 558.7 | 557.2 | 551.0 | 555.7 |
| 50° | 1203.4 | 1503.1 | 1461.5 | 996.2 | 603.0 | 531.9 | 517.6 | 513.5 | 492.9 | 472.7 | 475.4 |
| 52.5° | 1315.9 | 1590.1 | 1467.7 | 883.1 | 531.9 | 501.5 | 478.3 | 452.1 | 413.7 | 407.5 | 409.6 |
| 55° | 1440.9 | 1670.4 | 1451.7 | 744.1 | 472.1 | 462.6 | 427.4 | 395.9 | 391.7 | 386.4 | 387.2 |
| 57.5° | 1590.4 | 1757.0 | 1418.9 | 589.1 | 410.8 | 417.0 | 382.8 | 386.4 | 378.9 | 370.6 | 369.1 |
| 60° | 1753.8 | 1846.6 | 1361.5 | 447.7 | 347.4 | 360.2 | 371.2 | 370.9 | 368.8 | 361.9 | 359.6 |
| 62.5° | 1900.8 | 1905.6 | 1248.4 | 342.9 | 291.7 | 316.1 | 346.2 | 345.9 | 344.1 | 340.2 | 338.7 |
| 65° | 1988.3 | 1896.6 | 1059.6 | 270.0 | 245.9 | 279.8 | 312.2 | 314.6 | 314.9 | 314.6 | 314.6 |
| 67.5° | 1972.8 | 1792.2 | 800.7 | 214.9 | 208.1 | 242.9 | 278.6 | 281.9 | 284.3 | 284.9 | 285.4 |
| 70° | 1797.8 | 1562.7 | 522.1 | 171.4 | 174.4 | 210.4 | 246.8 | 250.0 | 252.1 | 254.5 | 255.7 |
| 72.5° | 1401.3 | 1148.9 | 298.8 | 138.7 | 145.0 | 182.5 | 215.2 | 219.1 | 220.3 | 224.7 | 226.5 |
| 75° | *854.0* | *675.7* | *161.3* | *109.2* | *119.1* | *156.0* | *183.9* | *188.4* | *190.5* | *195.9* | *196.5* |
| 77.5° | 406.0 | 292.6 | 92.0 | 85.1 | 95.8 | 127.4 | 155.4 | 160.4 | 154.8 | 157.8 | 155.4 |
| 80° | 137.2 | 108.6 | 58.0 | 64.9 | 73.2 | 99.4 | 124.4 | 129.5 | 117.6 | 117.0 | 115.8 |
| 82.5° | 47.9 | 44.1 | 36.9 | 43.2 | 47.3 | 71.1 | 94.1 | 100.6 | 87.5 | 87.2 | 83.0 |
| 85° | 18.8 | 17.9 | 20.5 | 23.5 | 28.3 | 43.8 | 61.9 | 65.2 | 53.9 | 43.5 | 42.9 |
| 87.5° | 3.9 | 4.2 | 5.1 | 5.4 | 8.6 | 15.2 | 22.3 | 27.4 | 21.7 | 18.5 | 17.0 |
| 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

0

(END OF REPORT)