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: P1203848

Luminaire Tested: GWC-SB2D-827-U-T4FT-HSS

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1203848 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/16/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB2D-827-U-T4FT-HSS |
| Description: | GALLEON WALL LUMINAIRE |
| | (2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 13395 lumens |
| Efficiency: | N/A |
| Efficacy: | 90.8 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G3 |

| | |
|---|---|
| Input Watts (W): | 147.6 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 1.234 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.999 |
| Total Harmonic Distortion (THDi): | 3.108 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

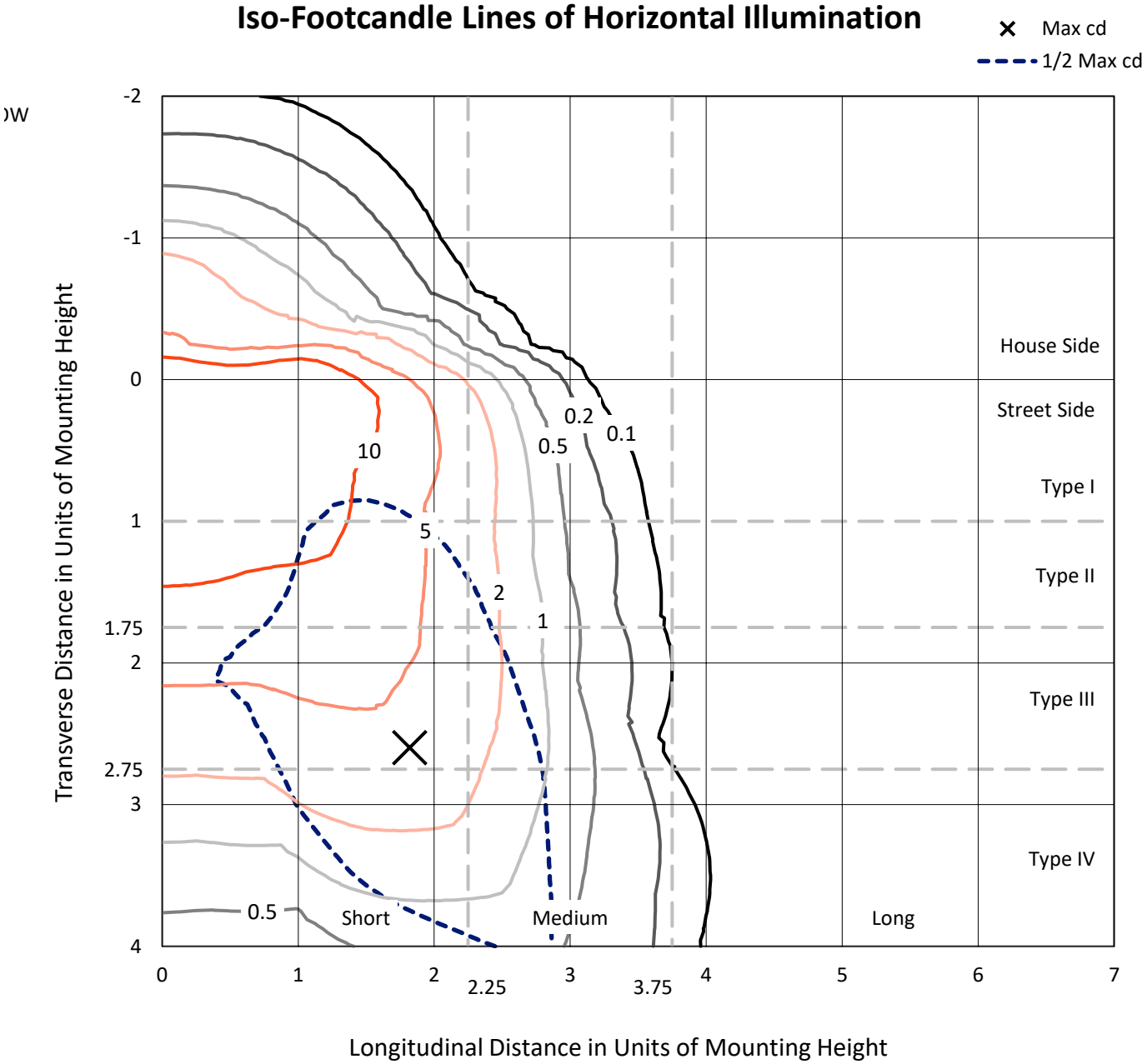


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## Iso-Footcandle Lines of Horizontal Illumination



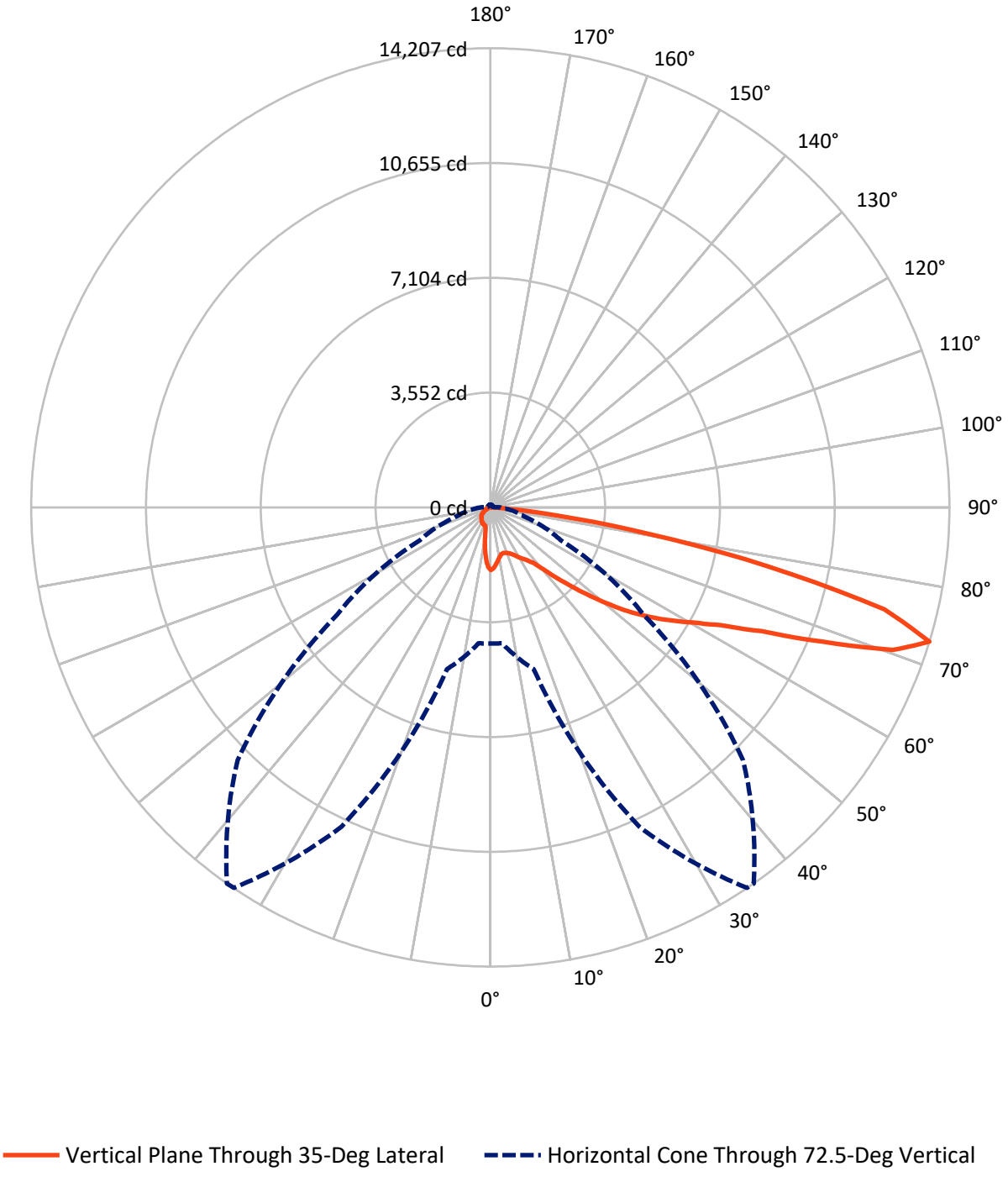

Based on 10 foot mounting height. Maximum calculated value = 19.4 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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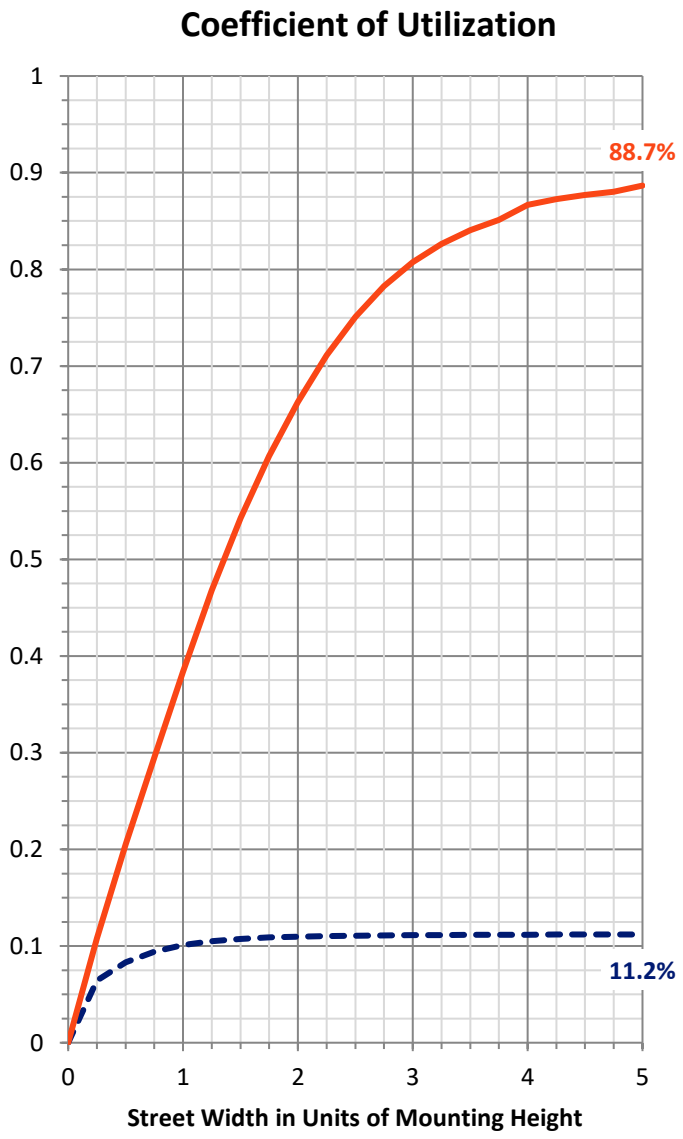
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1507.5 | 0.0 | 1507.5 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| **Street Side** | Lumens | 11887.5 | 0.0 | 11887.5 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| **Total** | Lumens | 13395.0 | 0.0 | 13395.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 159.5 | 1.2 |
| 10°-20° | 373.2 | 2.8 |
| 20°-30° | 606.3 | 4.5 |
| 30°-40° | 1011.5 | 7.6 |
| 40°-50° | 1913.9 | 14.3 |
| 50°-60° | 3041.1 | 22.7 |
| 60°-70° | 3762.0 | 28.1 |
| 70°-80° | 2338.5 | 17.5 |
| 80°-90° | 189.0 | 1.4 |
| 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° | 13395.0 | 100.0 |
| 0°-180° | 13395.0 | 100.0 |



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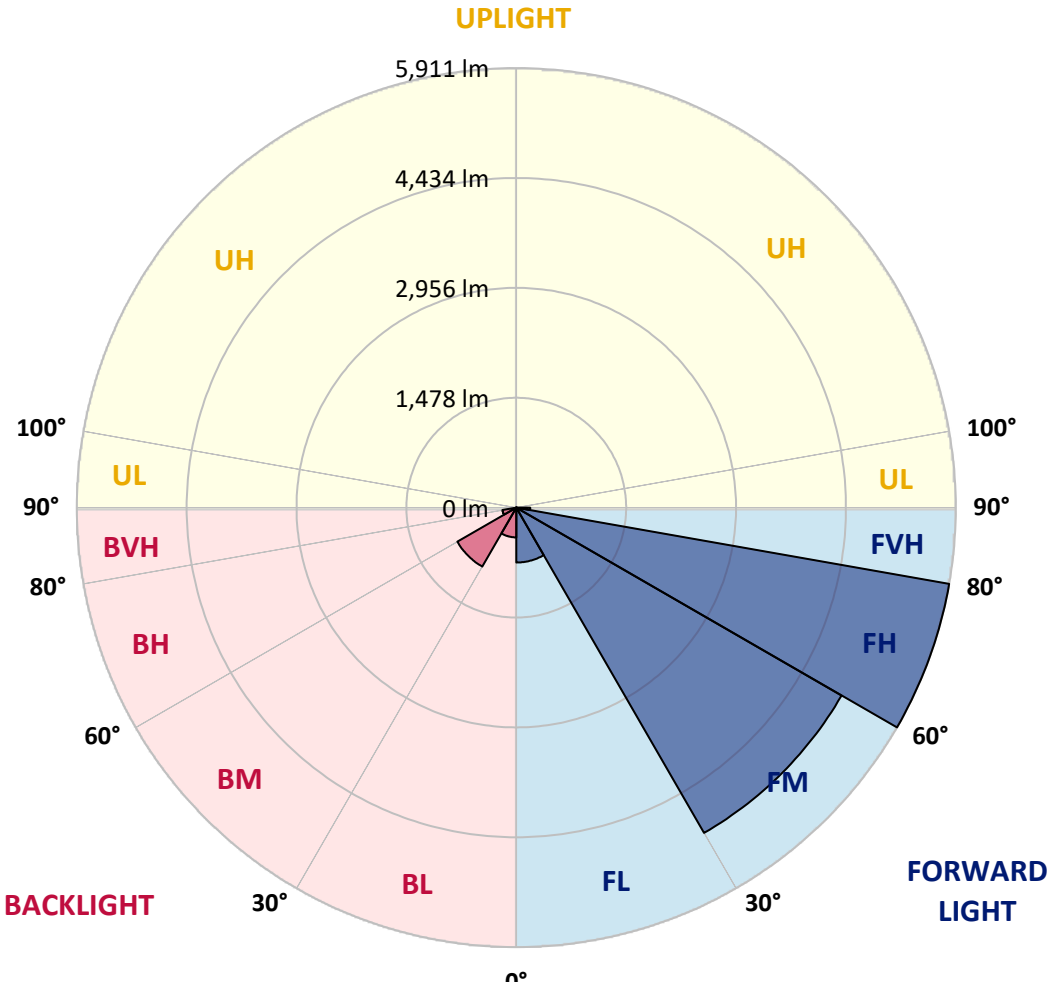
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 738.4 | 5.5 | | | |
| FM | (30°-60°) | 5051.3 | 37.7 | | | |
| FH | (60°-80°) | 5911.4 | 44.1 | | | G3/7500 |
| FVH | (80°-90°) | 186.4 | 1.4 | | | G2/225 |
| BL | (0°-30°) | 400.6 | 3.0 | B1/500 | | |
| BM | (30°-60°) | 915.2 | 6.8 | B1/1000 | | |
| BH | (60°-80°) | 189.2 | 1.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 2.6 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G3**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1941.4 | 1941.4 | 1941.4 | 1941.4 | 1941.4 | *1941.4* | 1941.4 | 1941.4 | 1941.4 | 1941.4 | 1941.4 |
| 2.5° | 1855.0 | 1870.7 | 1873.7 | 1878.6 | 1878.6 | *1884.5* | 1894.3 | 1908.0 | 1930.6 | 1942.4 | 1950.2 |
| 5° | 1709.8 | 1721.5 | 1736.3 | 1748.0 | 1770.6 | *1773.6* | 1811.8 | 1849.1 | 1901.1 | 1940.4 | 1967.9 |
| 7.5° | 1563.5 | 1577.3 | 1596.9 | 1625.3 | 1654.8 | *1663.6* | 1721.5 | 1784.3 | 1866.8 | 1940.4 | 1986.5 |
| 10° | 1460.5 | 1461.4 | 1479.1 | 1507.6 | 1554.7 | *1565.5* | 1636.1 | 1725.5 | 1828.5 | 1928.6 | 2004.2 |
| 12.5° | 1402.5 | 1409.4 | 1417.3 | 1438.9 | 1484.0 | *1490.9* | 1566.5 | 1671.5 | 1790.2 | 1921.8 | 2024.8 |
| 15° | 1402.5 | 1407.5 | 1412.4 | 1423.2 | 1459.5 | *1465.4* | 1532.1 | 1637.1 | 1770.6 | 1924.7 | 2058.2 |
| 17.5° | 1417.3 | 1425.1 | 1421.2 | 1434.0 | 1472.2 | *1476.2* | 1535.0 | 1627.3 | 1769.6 | 1943.3 | 2109.2 |
| 20° | 1452.6 | 1458.5 | 1450.6 | 1458.5 | 1496.8 | *1504.6* | 1565.5 | 1646.0 | 1786.3 | 1975.7 | 2173.0 |
| 22.5° | 1508.5 | 1511.5 | 1492.8 | 1498.7 | 1538.0 | *1547.8* | 1618.5 | 1699.0 | 1826.6 | 2027.8 | 2258.4 |
| 25° | 1579.2 | 1585.1 | 1556.6 | 1563.5 | 1600.8 | *1612.6* | 1694.0 | 1778.5 | 1890.3 | 2099.4 | 2367.4 |
| 27.5° | 1660.7 | 1663.6 | 1639.1 | 1638.1 | 1686.2 | *1702.9* | 1785.3 | 1876.6 | 1975.7 | 2189.7 | 2504.8 |
| 30° | 1753.9 | 1762.8 | 1739.2 | 1735.3 | 1796.1 | *1809.9* | 1891.3 | 1997.3 | 2101.4 | 2325.1 | 2700.1 |
| 32.5° | 1827.5 | 1834.4 | 1820.7 | 1830.5 | 1892.3 | *1903.1* | 2019.9 | 2168.1 | 2298.6 | 2517.5 | 2966.1 |
| 35° | 1933.5 | 1937.5 | 1906.1 | 1923.7 | 1994.4 | *2021.9* | 2195.6 | 2407.6 | 2547.0 | 2759.0 | 3313.5 |
| 37.5° | 2317.3 | 2317.3 | 2183.8 | 2096.5 | 2164.2 | *2188.7* | 2436.1 | 2708.9 | 2853.2 | 3082.9 | 3751.2 |
| 40° | 2848.3 | 2839.4 | 2644.1 | 2465.5 | 2456.7 | *2504.8* | 2778.6 | 3088.7 | 3248.7 | 3471.5 | 4244.0 |
| 42.5° | 3414.6 | 3400.9 | 3134.9 | 2958.2 | 2928.8 | *2945.4* | 3174.1 | 3556.9 | 3719.8 | 3945.6 | 4774.0 |
| 45° | 3917.1 | 3913.2 | 3669.8 | 3432.3 | 3379.3 | *3432.3* | 3667.8 | 4104.6 | 4221.4 | 4458.9 | 5303.0 |
| 47.5° | 4338.2 | 4338.2 | 4160.5 | 4005.5 | 3978.0 | *4009.4* | 4336.2 | 4712.1 | 4701.3 | 5005.6 | 5818.3 |
| 50° | 4823.0 | 4819.1 | 4650.3 | 4583.6 | 4612.0 | *4656.2* | 5105.7 | 5352.1 | 5198.0 | 5542.5 | 6278.6 |
| 52.5° | 5162.6 | 5186.2 | 5128.3 | 5117.5 | 5262.7 | *5339.3* | 5887.0 | 5978.2 | 5642.6 | 6051.9 | 6623.1 |
| 55° | 5431.6 | 5459.0 | 5525.8 | 5601.4 | 5881.1 | *5981.2* | 6643.7 | 6572.0 | 6014.6 | 6493.5 | 6821.3 |
| 57.5° | 5812.4 | 5773.1 | 5876.2 | 6025.4 | 6477.8 | *6598.5* | 7376.9 | 7132.5 | 6313.9 | 6851.8 | 6842.9 |
| 60° | 6274.7 | 6280.5 | 6298.2 | 6486.7 | 7073.6 | *7228.7* | 8099.2 | 7662.5 | 6506.3 | 7071.6 | 6603.5 |
| 62.5° | 6830.2 | 6839.0 | 6875.3 | 7164.9 | 7873.5 | *8019.7* | 8868.7 | 8096.3 | 6594.6 | 7009.8 | 5985.1 |
| 65° | 6791.9 | 6829.2 | 7234.6 | 8224.9 | 9089.6 | *9233.8* | 9766.8 | 8400.6 | 6461.1 | 6444.5 | 4873.1 |
| 67.5° | 6187.3 | 6248.2 | 6926.4 | 9491.0 | 10923.0 | *11084.0* | 10852.3 | 8460.4 | 5885.0 | 5011.5 | 3179.0 |
| 70° | 5394.3 | 5415.9 | 6231.5 | 10629.5 | 13045.9 | *13208.9* | 11824.0 | 7801.9 | 4465.8 | 2795.3 | 1424.1 |
| 72.5° | *4212.5* | *4217.5* | *5174.4* | *10893.5* | *14198.2* | *14207.0* | *11061.4* | *5791.8* | *2401.7* | *1073.7* | *494.7* |
| 75° | 3009.2 | 2979.8 | 3465.6 | 8834.4 | 12491.4 | *12591.5* | 8292.6 | 2716.8 | 917.7 | 507.4 | 246.4 |
| 77.5° | 1613.6 | 1646.0 | 1961.0 | 5239.2 | 8629.2 | *8800.0* | 4524.7 | 783.2 | 467.2 | 345.5 | 162.9 |
| 80° | 498.6 | 526.1 | 803.8 | 2398.8 | 4887.8 | *4990.9* | 1677.4 | 348.4 | 325.9 | 246.4 | 107.0 |
| 82.5° | 157.0 | 162.9 | 374.9 | 1008.0 | 2028.7 | *2075.8* | 485.8 | 197.3 | 222.8 | 162.9 | 62.8 |
| 85° | 45.1 | 46.1 | 166.9 | 375.9 | 501.5 | *511.4* | 136.4 | 76.6 | 127.6 | 101.1 | 32.4 |
| 87.5° | 4.9 | 15.7 | 62.8 | 62.8 | 44.2 | *43.2* | 14.7 | 16.7 | 36.3 | 12.8 | 5.9 |
| 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° | 1941.4 | 1941.4 | 1941.4 | 1941.4 | 1941.4 | 1941.4 | 1941.4 | 1941.4 | 1941.4 | 1941.4 | 1941.4 |
| 2.5° | 1945.3 | 1946.3 | 1933.5 | 1911.9 | 1888.4 | 1868.8 | 1844.2 | 1824.6 | 1810.8 | 1806.9 | 1813.8 |
| 5° | 1959.1 | 1952.2 | 1915.9 | 1850.1 | 1771.6 | 1703.9 | 1628.3 | 1568.4 | 1529.2 | 1512.5 | 1518.4 |
| 7.5° | 1979.7 | 1960.0 | 1880.5 | 1751.0 | 1600.8 | 1467.3 | 1331.9 | 1226.9 | 1160.1 | 1126.7 | 1131.7 |
| 10° | 1997.3 | 1958.1 | 1821.6 | 1607.7 | 1378.0 | 1175.8 | 993.3 | 866.7 | 796.0 | 762.6 | 763.6 |
| 12.5° | 2014.0 | 1957.1 | 1745.1 | 1437.9 | 1126.7 | 879.4 | 709.6 | 646.8 | 627.2 | 620.3 | 618.3 |
| 15° | 2045.4 | 1960.0 | 1648.9 | 1243.5 | 876.5 | 664.5 | 602.6 | 601.7 | 605.6 | 603.6 | 602.6 |
| 17.5° | 2088.6 | 1963.0 | 1540.0 | 1037.4 | 676.2 | 585.9 | 583.0 | 591.8 | 597.7 | 594.8 | 593.8 |
| 20° | 2144.6 | 1974.8 | 1424.1 | 833.3 | 581.0 | 566.3 | 573.2 | 581.0 | 585.9 | 581.0 | 580.1 |
| 22.5° | 2223.1 | 1995.4 | 1297.5 | 669.4 | 550.6 | 554.5 | 560.4 | 569.3 | 574.2 | 567.3 | 566.3 |
| 25° | 2319.3 | 2027.8 | 1172.9 | 582.0 | 535.9 | 540.8 | 549.6 | 559.4 | 565.3 | 558.5 | 557.5 |
| 27.5° | 2443.9 | 2079.8 | 1058.0 | 562.4 | 521.2 | 524.1 | 536.9 | 551.6 | 559.4 | 550.6 | 550.6 |
| 30° | 2624.5 | 2165.2 | 958.9 | 571.2 | 512.3 | 505.5 | 523.1 | 543.7 | 552.6 | 544.7 | 543.7 |
| 32.5° | 2864.0 | 2285.9 | 898.1 | 585.0 | 508.4 | 483.9 | 500.6 | 527.1 | 541.8 | 536.9 | 536.9 |
| 35° | 3178.1 | 2469.4 | 874.5 | 600.7 | 505.5 | 461.3 | 473.1 | 501.5 | 527.1 | 532.0 | 532.0 |
| 37.5° | 3558.9 | 2724.6 | 881.4 | 607.5 | 496.6 | 442.7 | 448.5 | 473.1 | 506.4 | 522.2 | 526.1 |
| 40° | 3991.7 | 3022.0 | 920.6 | 600.7 | 486.8 | 426.9 | 427.9 | 446.6 | 476.0 | 499.6 | 507.4 |
| 42.5° | 4438.3 | 3369.5 | 993.3 | 575.2 | 478.0 | 413.2 | 410.3 | 423.0 | 442.7 | 459.3 | 466.2 |
| 45° | 4863.3 | 3726.7 | 1064.9 | 539.8 | 467.2 | 399.5 | 392.6 | 397.5 | 401.4 | 408.3 | 412.2 |
| 47.5° | 5234.3 | 3978.0 | 1044.3 | 507.4 | 452.5 | 383.8 | 372.0 | 370.0 | 358.2 | 357.3 | 356.3 |
| 50° | 5490.4 | 4032.9 | 927.5 | 475.0 | 430.9 | 366.1 | 347.4 | 335.7 | 315.1 | 305.2 | 306.2 |
| 52.5° | 5571.9 | 3816.0 | 757.7 | 442.7 | 395.5 | 342.5 | 316.0 | 297.4 | 271.9 | 263.0 | 262.1 |
| 55° | 5463.9 | 3391.0 | 605.6 | 403.4 | 346.5 | 311.1 | 281.7 | 257.2 | 236.5 | 225.7 | 225.7 |
| 57.5° | 5199.9 | 2850.2 | 479.0 | 357.3 | 294.4 | 275.8 | 246.4 | 221.8 | 204.1 | 193.4 | 191.4 |
| 60° | 4762.2 | 2263.3 | 378.9 | 302.3 | 251.3 | 237.5 | 207.1 | 191.4 | 175.7 | 162.9 | 160.0 |
| 62.5° | 4097.7 | 1615.5 | 297.4 | 239.5 | 210.0 | 194.3 | 176.7 | 164.9 | 146.2 | 128.6 | 125.6 |
| 65° | 3197.7 | 988.4 | 229.7 | 175.7 | 168.8 | 161.0 | 150.2 | 139.4 | 116.8 | 99.1 | 96.2 |
| 67.5° | 2017.0 | 468.2 | 163.9 | 132.5 | 133.5 | 129.6 | 124.6 | 115.8 | 99.1 | 83.4 | 81.5 |
| 70° | 888.2 | 226.7 | 108.0 | 101.1 | 99.1 | 99.1 | 103.1 | 100.1 | 84.4 | 69.7 | 66.7 |
| 72.5° | *302.3* | *121.7* | *80.5* | *76.6* | *71.6* | *70.7* | *86.4* | *83.4* | *67.7* | *54.0* | *51.0* |
| 75° | 158.0 | 81.5 | 58.9 | 55.0 | 43.2 | 52.0 | 68.7 | 64.8 | 48.1 | 35.3 | 32.4 |
| 77.5° | 103.1 | 57.9 | 40.2 | 35.3 | 24.5 | 34.4 | 51.0 | 45.1 | 28.5 | 17.7 | 15.7 |
| 80° | 64.8 | 38.3 | 23.6 | 16.7 | 11.8 | 18.6 | 27.5 | 19.6 | 10.8 | 3.9 | 2.9 |
| 82.5° | 34.4 | 19.6 | 8.8 | 5.9 | 4.9 | 5.9 | 6.9 | 4.9 | 2.0 | 0.0 | 0.0 |
| 85° | 13.7 | 6.9 | 2.9 | 2.0 | 1.0 | 0.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 4.9 | 1.0 | 0.0 | 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 | 0.0 |


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SS

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(END OF REPORT)