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: P1203847

Luminaire Tested: GWC-SB2D-827-U-T3

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1203847 |
| | 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-SB2D-827-U-T3 |
| Description: | GALLEON WALL LUMINAIRE |
| | (2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 17704 lumens |
| Efficiency: | N/A |
| Efficacy: | 119.9 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type III - Short |
| BUG Rating: | B3 - 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 |

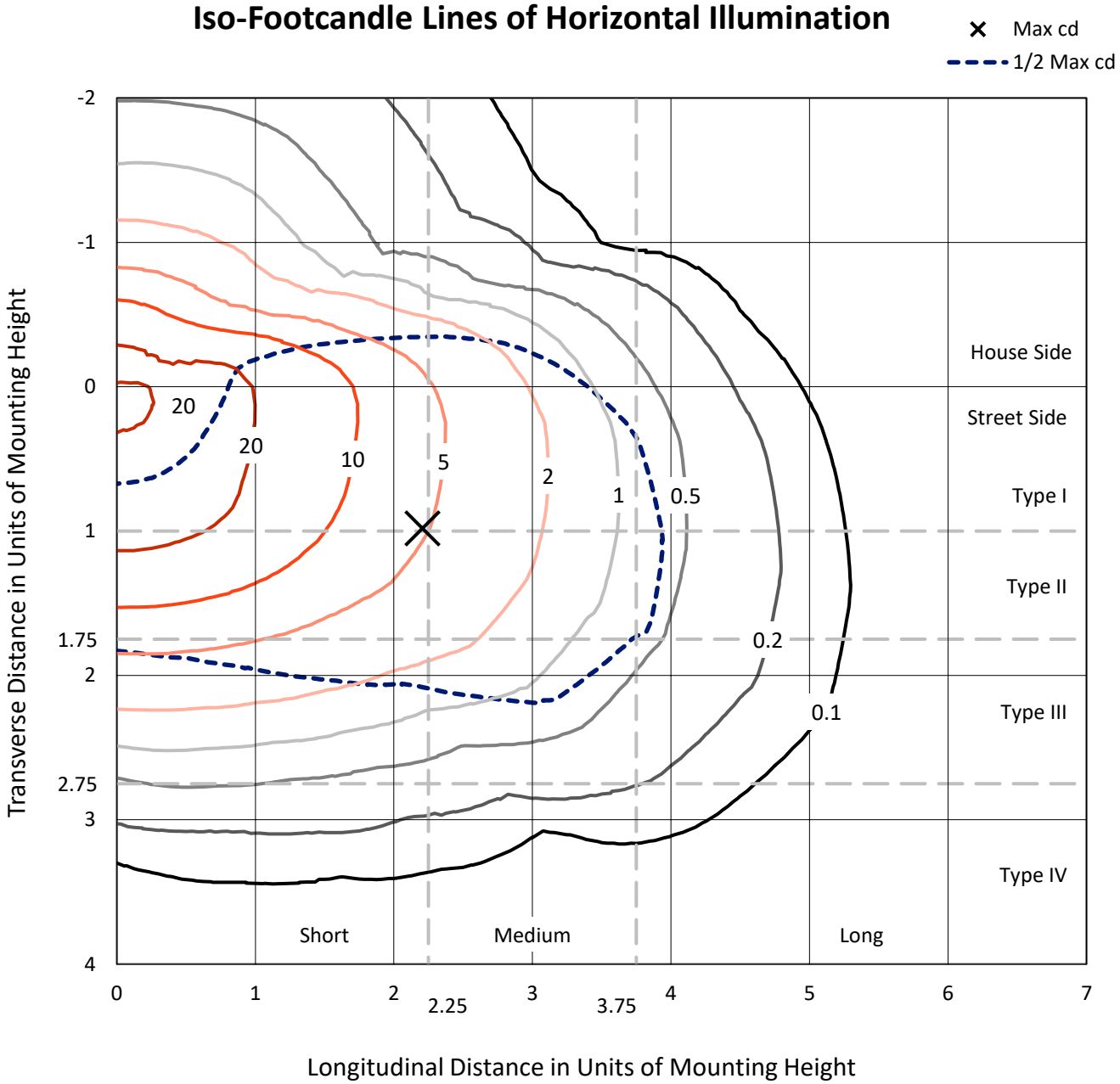


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## Iso-Footcandle Lines of Horizontal Illumination



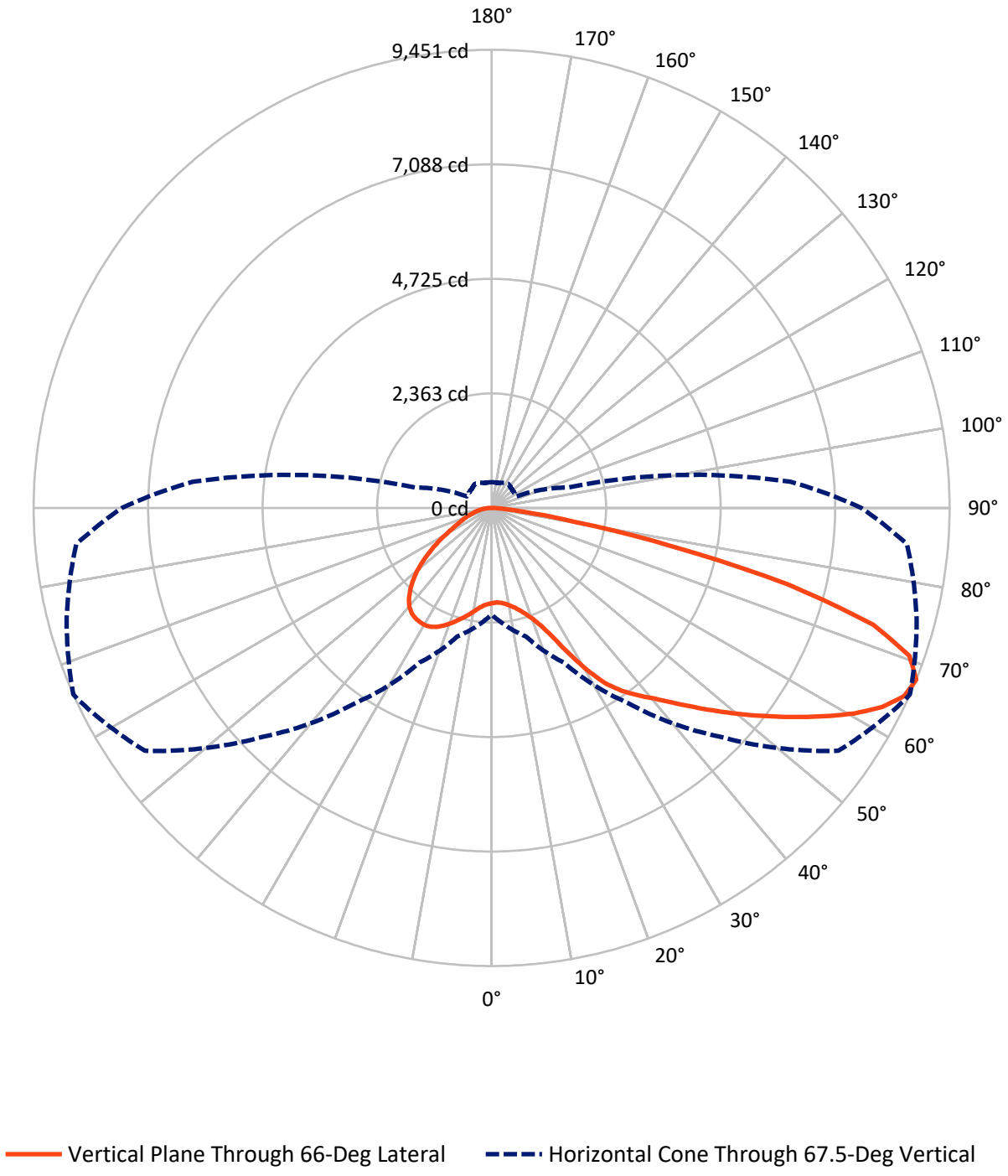

Based on 10 foot mounting height. Maximum calculated value = 27.8 fc
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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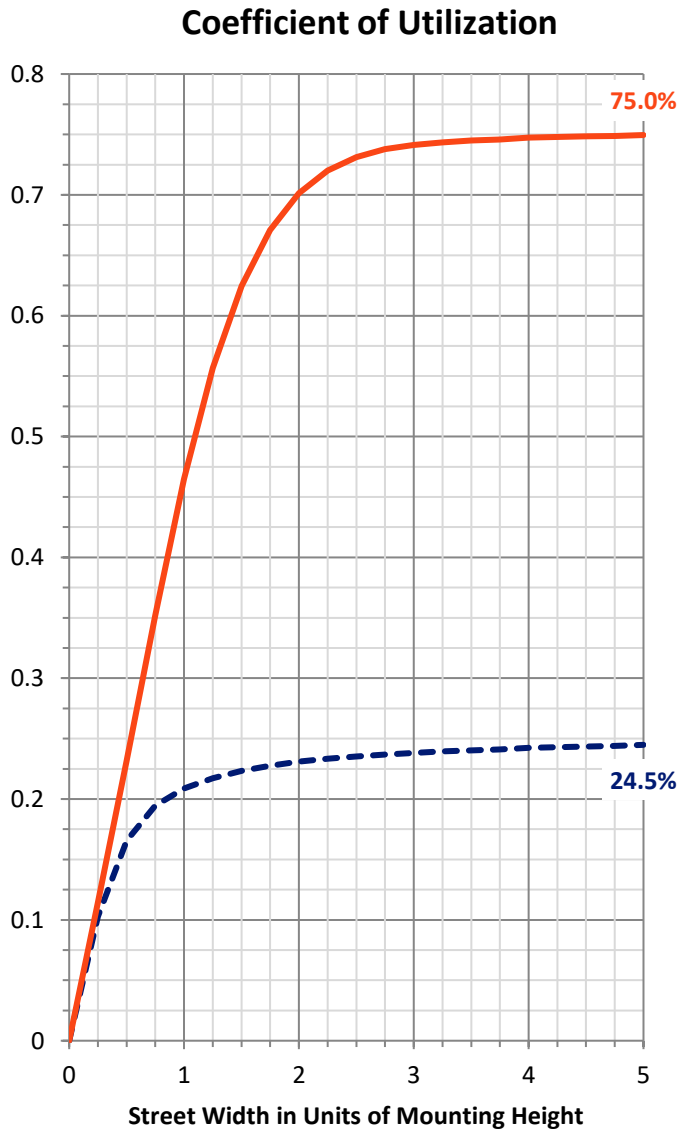
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 4402.1 | 0.0 | 4402.1 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| **Street Side** | Lumens | 13301.9 | 0.0 | 13301.9 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| **Total** | Lumens | 17704.0 | 0.0 | 17704.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 194.7 | 1.1 |
| 10°-20° | 643.2 | 3.6 |
| 20°-30° | 1239.8 | 7.0 |
| 30°-40° | 2173.7 | 12.3 |
| 40°-50° | 3231.6 | 18.3 |
| 50°-60° | 4096.4 | 23.1 |
| 60°-70° | 4008.2 | 22.6 |
| 70°-80° | 1912.0 | 10.8 |
| 80°-90° | 204.3 | 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° | 17704.0 | 100.0 |
| 0°-180° | 17704.0 | 100.0 |



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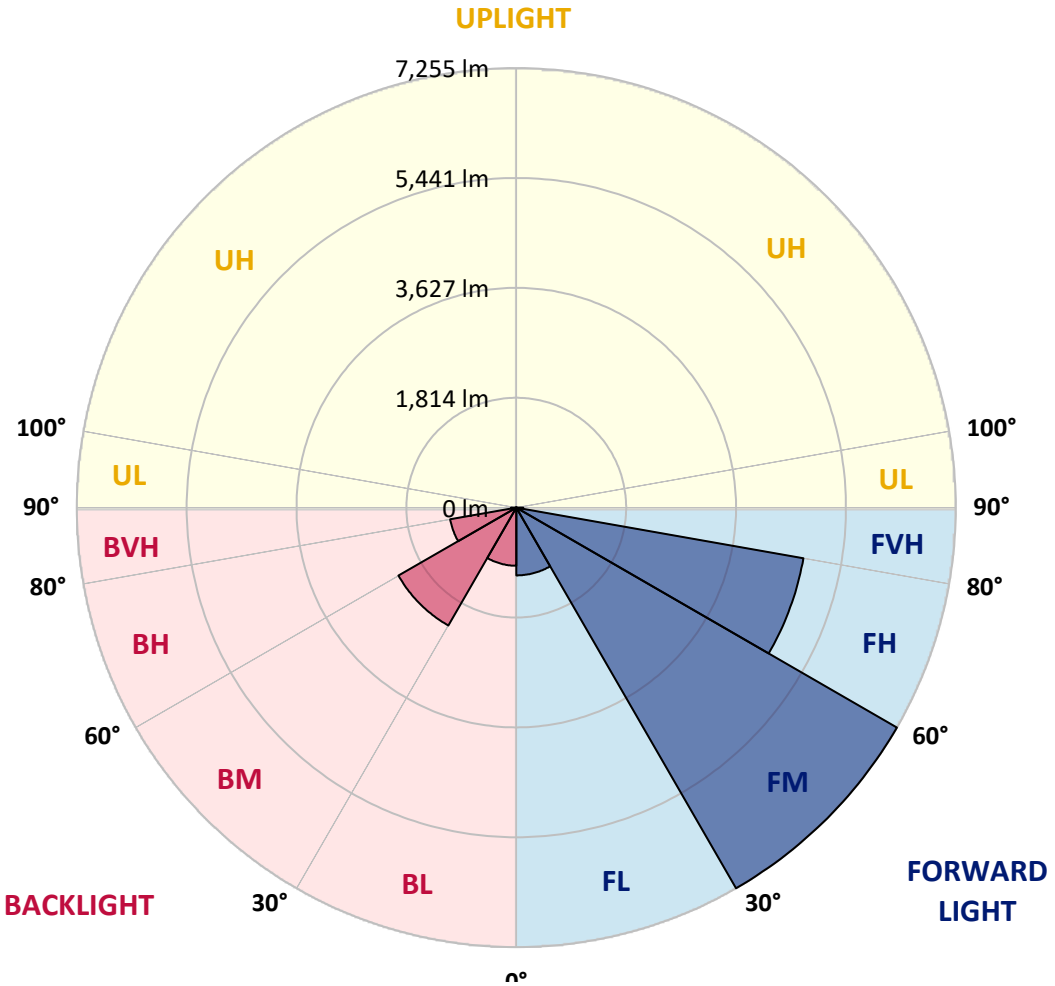
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1118.7 | 6.3 | | | |
| FM | (30°-60°) | 7254.9 | 41.0 | | | |
| FH | (60°-80°) | 4812.4 | 27.2 | | | G2/5000 |
| FVH | (80°-90°) | 115.8 | 0.7 | | | G2/225 |
| BL | (0°-30°) | 958.9 | 5.4 | B2/1000 | | |
| BM | (30°-60°) | 2246.9 | 12.7 | B2/2500 | | |
| BH | (60°-80°) | 1107.8 | 6.3 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 88.5 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B3-U0-G3**
Type III Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1963.6 | 1963.6 | 1963.6 | 1963.6 | 1963.6 | 1963.6 | 1963.6 | 1963.6 | *1963.6* | 1963.6 | 1963.6 |
| 2.5° | 1943.1 | 1954.3 | 1951.5 | 1946.9 | 1945.9 | 1947.8 | 1950.6 | 1953.4 | *1952.4* | 1957.1 | 1964.5 |
| 5° | 1937.6 | 1948.7 | 1947.8 | 1947.8 | 1951.5 | 1959.0 | 1963.6 | 1968.3 | *1963.6* | 1969.2 | 1979.4 |
| 7.5° | 1941.3 | 1949.7 | 1953.4 | 1957.1 | 1966.4 | 1980.4 | 1991.5 | 2001.7 | *1996.2* | 2002.7 | 2015.7 |
| 10° | 1988.7 | 1995.2 | 1999.0 | 1999.0 | 2005.5 | 2021.3 | 2032.4 | 2051.0 | *2046.4* | 2056.6 | 2073.4 |
| 12.5° | 2075.2 | 2081.7 | 2081.7 | 2078.0 | 2082.7 | 2092.9 | 2096.6 | 2117.1 | *2108.7* | 2125.5 | 2142.2 |
| 15° | 2181.3 | 2194.3 | 2184.1 | 2177.5 | 2179.4 | 2189.6 | 2188.7 | 2204.5 | *2196.2* | 2210.1 | 2225.0 |
| 17.5° | 2298.5 | 2315.2 | 2298.5 | 2297.5 | 2293.8 | 2305.0 | 2305.9 | 2319.9 | *2305.0* | 2315.2 | 2325.4 |
| 20° | 2437.1 | 2460.3 | 2446.4 | 2451.0 | 2442.6 | 2447.3 | 2452.0 | 2472.4 | *2449.2* | 2456.6 | 2453.8 |
| 22.5° | 2632.4 | 2660.3 | 2645.4 | 2663.1 | 2657.5 | 2653.8 | 2652.9 | 2689.1 | *2652.9* | 2655.7 | 2628.7 |
| 25° | 2917.0 | 2950.5 | 2924.5 | 2948.7 | 2948.7 | 2960.8 | 2974.7 | 3021.2 | *2960.8* | 2943.1 | 2873.3 |
| 27.5° | 3337.5 | 3371.0 | 3319.8 | 3334.7 | 3330.0 | 3359.8 | 3344.9 | 3460.3 | *3395.2* | 3366.3 | 3225.9 |
| 30° | 3843.5 | 3903.0 | 3806.3 | 3802.6 | 3797.9 | 3845.4 | 3866.8 | 3943.0 | *3877.0* | 3848.1 | 3678.9 |
| 32.5° | 4390.4 | 4452.8 | 4337.4 | 4303.9 | 4286.3 | 4315.1 | 4297.4 | 4358.8 | *4313.2* | 4268.6 | 4059.3 |
| 35° | 4969.0 | 5030.4 | 4920.6 | 4855.5 | 4784.8 | 4724.4 | 4661.1 | 4676.9 | *4634.2* | 4566.2 | 4349.5 |
| 37.5° | 5516.0 | 5628.5 | 5512.2 | 5442.5 | 5312.3 | 5194.1 | 5017.4 | 4943.9 | *4903.9* | 4841.6 | 4623.0 |
| 40° | 6073.1 | 6137.3 | 6049.0 | 5989.4 | 5848.0 | 5662.9 | 5380.2 | 5224.8 | *5170.9* | 5110.4 | 4925.3 |
| 42.5° | 6483.3 | 6544.7 | 6497.3 | 6456.4 | 6345.7 | 6130.8 | 5765.2 | 5570.8 | *5492.7* | 5424.8 | 5267.6 |
| 45° | 6808.9 | 6854.5 | 6824.7 | 6839.6 | 6792.2 | 6583.8 | 6164.3 | 5942.0 | *5861.1* | 5778.3 | 5654.6 |
| 47.5° | 6940.1 | 6988.4 | 7035.9 | 7124.2 | 7205.2 | 7051.7 | 6593.1 | 6343.8 | *6258.2* | 6173.6 | 6051.7 |
| 50° | 6925.2 | 6974.5 | 7112.1 | 7300.0 | 7551.2 | 7500.0 | 7045.2 | 6771.7 | *6692.6* | 6595.9 | 6483.3 |
| 52.5° | 6806.1 | 6861.9 | 7038.7 | 7351.2 | 7751.2 | 7835.8 | 7505.6 | 7213.5 | *7139.1* | 7023.8 | 6911.2 |
| 55° | 6493.6 | 6527.1 | 6792.2 | 7234.9 | 7798.6 | 8070.2 | 7956.7 | 7684.2 | *7609.8* | 7448.9 | 7326.1 |
| 57.5° | 5914.1 | 5962.4 | 6348.5 | 6921.5 | 7679.6 | 8229.3 | 8353.0 | 8179.1 | *8107.4* | 7875.8 | 7747.5 |
| 60° | 5157.8 | 5235.0 | 5676.9 | 6395.0 | 7376.3 | 8228.4 | 8713.0 | 8665.5 | *8606.0* | 8296.3 | 8162.3 |
| 62.5° | 4302.1 | 4391.4 | 4816.5 | 5650.8 | 6846.1 | 7994.9 | 8938.1 | 9073.0 | *9042.3* | 8684.1 | 8513.0 |
| 65° | 3304.0 | 3365.4 | 3788.6 | 4688.1 | 6021.0 | 7493.5 | 8964.1 | 9351.1 | *9356.7* | 8979.0 | 8696.2 |
| 67.5° | *2199.9* | *2376.6* | *2744.0* | *3517.9* | *4916.0* | *6674.0* | *8735.3* | *9396.7* | *9450.6* | *9080.4* | *8604.2* |
| 70° | 1073.4 | 1306.0 | 1666.0 | 2286.4 | 3517.9 | 5417.4 | 8137.2 | 9022.7 | *9142.7* | 8784.6 | 8055.3 |
| 72.5° | 445.6 | 520.9 | 717.2 | 1128.3 | 2019.4 | 3655.6 | 6935.4 | 8008.8 | *8231.2* | 7783.7 | 6772.6 |
| 75° | 300.4 | 325.6 | 410.2 | 578.6 | 919.9 | 1802.7 | 5001.6 | 5971.7 | *6329.9* | 5878.7 | 4805.3 |
| 77.5° | 231.6 | 247.4 | 298.6 | 404.6 | 546.9 | 681.8 | 2677.1 | 3598.9 | *3784.0* | 3503.1 | 2500.3 |
| 80° | 182.3 | 194.4 | 223.2 | 294.9 | 387.9 | 364.6 | 912.5 | 1630.6 | *1737.6* | 1457.6 | 803.7 |
| 82.5° | 158.1 | 162.8 | 160.0 | 200.0 | 257.7 | 213.0 | 299.5 | 601.8 | *664.1* | 481.8 | 262.3 |
| 85° | 114.4 | 127.4 | 133.0 | 123.7 | 136.7 | 107.9 | 122.8 | 213.0 | *234.4* | 209.3 | 147.9 |
| 87.5° | 46.5 | 68.8 | 84.6 | 80.0 | 50.2 | 30.7 | 38.1 | 62.3 | *71.6* | 78.1 | 48.4 |
| 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° | 1963.6 | 1963.6 | 1963.6 | 1963.6 | 1963.6 | 1963.6 | 1963.6 | 1963.6 | 1963.6 | 1963.6 | 1963.6 |
| 2.5° | 1965.5 | 1972.0 | 1976.6 | 1982.2 | 1985.9 | 1991.5 | 2002.7 | 2009.2 | 2010.1 | 2014.8 | 2013.8 |
| 5° | 1983.1 | 1992.4 | 2002.7 | 2017.6 | 2034.3 | 2048.3 | 2069.6 | 2084.5 | 2090.1 | 2094.8 | 2093.8 |
| 7.5° | 2021.3 | 2034.3 | 2052.9 | 2078.9 | 2103.1 | 2121.7 | 2147.8 | 2165.5 | 2183.1 | 2189.6 | 2190.6 |
| 10° | 2078.0 | 2096.6 | 2123.6 | 2158.9 | 2185.0 | 2209.2 | 2236.1 | 2251.0 | 2268.7 | 2276.1 | 2279.9 |
| 12.5° | 2148.7 | 2168.2 | 2203.6 | 2252.9 | 2277.1 | 2293.8 | 2303.1 | 2299.4 | 2303.1 | 2309.6 | 2311.5 |
| 15° | 2229.6 | 2251.0 | 2291.0 | 2344.1 | 2360.8 | 2345.9 | 2325.4 | 2306.8 | 2304.1 | 2305.9 | 2312.4 |
| 17.5° | 2325.4 | 2341.3 | 2387.8 | 2432.4 | 2420.3 | 2358.9 | 2314.3 | 2284.5 | 2269.6 | 2265.0 | 2271.5 |
| 20° | 2459.4 | 2459.4 | 2497.5 | 2525.4 | 2444.5 | 2340.3 | 2270.6 | 2222.2 | 2191.5 | 2178.5 | 2175.7 |
| 22.5° | 2622.2 | 2607.3 | 2631.5 | 2611.9 | 2439.9 | 2288.2 | 2191.5 | 2107.8 | 2061.3 | 2042.7 | 2039.9 |
| 25° | 2828.7 | 2811.0 | 2804.5 | 2683.6 | 2406.4 | 2205.5 | 2048.3 | 1946.9 | 1905.9 | 1895.7 | 1897.6 |
| 27.5° | 3140.3 | 3095.6 | 3011.0 | 2722.6 | 2345.0 | 2075.2 | 1880.8 | 1786.9 | 1763.6 | 1764.5 | 1767.3 |
| 30° | 3555.1 | 3465.8 | 3258.4 | 2729.1 | 2244.5 | 1891.1 | 1709.7 | 1642.7 | 1631.5 | 1636.2 | 1652.0 |
| 32.5° | 3939.3 | 3854.7 | 3511.4 | 2699.4 | 2090.1 | 1710.6 | 1556.2 | 1511.5 | 1494.8 | 1500.4 | 1507.8 |
| 35° | 4240.7 | 4217.4 | 3745.8 | 2657.5 | 1900.4 | 1541.3 | 1418.5 | 1380.4 | 1347.8 | 1340.4 | 1346.0 |
| 37.5° | 4525.3 | 4516.0 | 3921.6 | 2598.9 | 1712.5 | 1421.3 | 1307.8 | 1257.6 | 1210.2 | 1184.1 | 1185.0 |
| 40° | 4837.9 | 4828.6 | 4037.0 | 2508.7 | 1546.0 | 1317.1 | 1208.3 | 1142.3 | 1083.7 | 1036.2 | 1040.9 |
| 42.5° | 5189.5 | 5134.6 | 4091.9 | 2379.4 | 1404.6 | 1228.8 | 1127.4 | 1038.1 | 960.9 | 917.2 | 919.9 |
| 45° | 5573.6 | 5449.9 | 4090.9 | 2214.8 | 1285.5 | 1147.8 | 1040.9 | 914.4 | 842.7 | 801.8 | 800.0 |
| 47.5° | 5981.1 | 5751.3 | 4040.7 | 2032.4 | 1170.2 | 1058.5 | 906.9 | 810.2 | 762.7 | 737.6 | 732.1 |
| 50° | 6401.5 | 6033.1 | 3955.1 | 1823.2 | 1052.0 | 957.2 | 823.2 | 757.2 | 720.9 | 697.6 | 689.3 |
| 52.5° | 6796.8 | 6288.9 | 3851.9 | 1586.0 | 932.0 | 858.6 | 786.0 | 734.8 | 696.7 | 670.7 | 659.5 |
| 55° | 7164.2 | 6509.4 | 3705.8 | 1343.2 | 834.4 | 792.5 | 768.3 | 725.5 | 681.8 | 651.1 | 639.0 |
| 57.5° | 7490.7 | 6652.6 | 3453.8 | 1115.3 | 764.6 | 746.9 | 749.7 | 709.7 | 659.5 | 633.5 | 616.7 |
| 60° | 7762.3 | 6757.7 | 3080.8 | 904.1 | 707.9 | 702.3 | 720.9 | 680.0 | 621.4 | 591.6 | 578.6 |
| 62.5° | 7925.1 | 6755.9 | 2623.1 | 740.4 | 659.5 | 661.4 | 682.8 | 642.8 | 583.2 | 555.3 | 546.9 |
| 65° | 7911.2 | 6590.3 | 2120.8 | 633.5 | 613.0 | 614.8 | 642.8 | 601.8 | 551.6 | 534.9 | 533.9 |
| 67.5° | *7631.2* | *6186.6* | *1626.9* | *563.7* | *561.8* | *570.2* | *602.8* | *573.9* | *532.1* | *530.2* | *533.0* |
| 70° | 6873.1 | 5348.5 | 1172.0 | 507.9 | 508.8 | 520.9 | 563.7 | 556.2 | 521.8 | 525.6 | 524.6 |
| 72.5° | 5511.3 | 4077.9 | 786.9 | 449.3 | 450.2 | 469.7 | 526.5 | 542.3 | 511.6 | 560.9 | 568.3 |
| 75° | 3670.5 | 2543.1 | 506.0 | 387.0 | 387.9 | 413.0 | 493.9 | 515.3 | 483.7 | 559.0 | 563.7 |
| 77.5° | 1763.6 | 1143.2 | 366.5 | 325.6 | 325.6 | 348.8 | 427.0 | 461.4 | 412.1 | 434.4 | 398.1 |
| 80° | 609.3 | 429.7 | 288.4 | 262.3 | 256.7 | 272.5 | 360.0 | 400.0 | 355.3 | 327.4 | 307.0 |
| 82.5° | 240.0 | 223.2 | 231.6 | 203.7 | 185.1 | 195.3 | 280.0 | 330.2 | 261.4 | 236.3 | 235.3 |
| 85° | 137.7 | 145.1 | 163.7 | 134.9 | 107.0 | 120.0 | 205.6 | 237.2 | 197.2 | 173.9 | 177.7 |
| 87.5° | 37.2 | 51.2 | 75.3 | 69.8 | 48.4 | 51.2 | 97.7 | 131.2 | 113.5 | 87.4 | 90.2 |
| 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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(END OF REPORT)