

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629138

Luminaire Tested: GWS-SA1B-722-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629138  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-722-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2499.6 lumens  
Efficiency: N/A  
Efficacy: 100.0 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): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

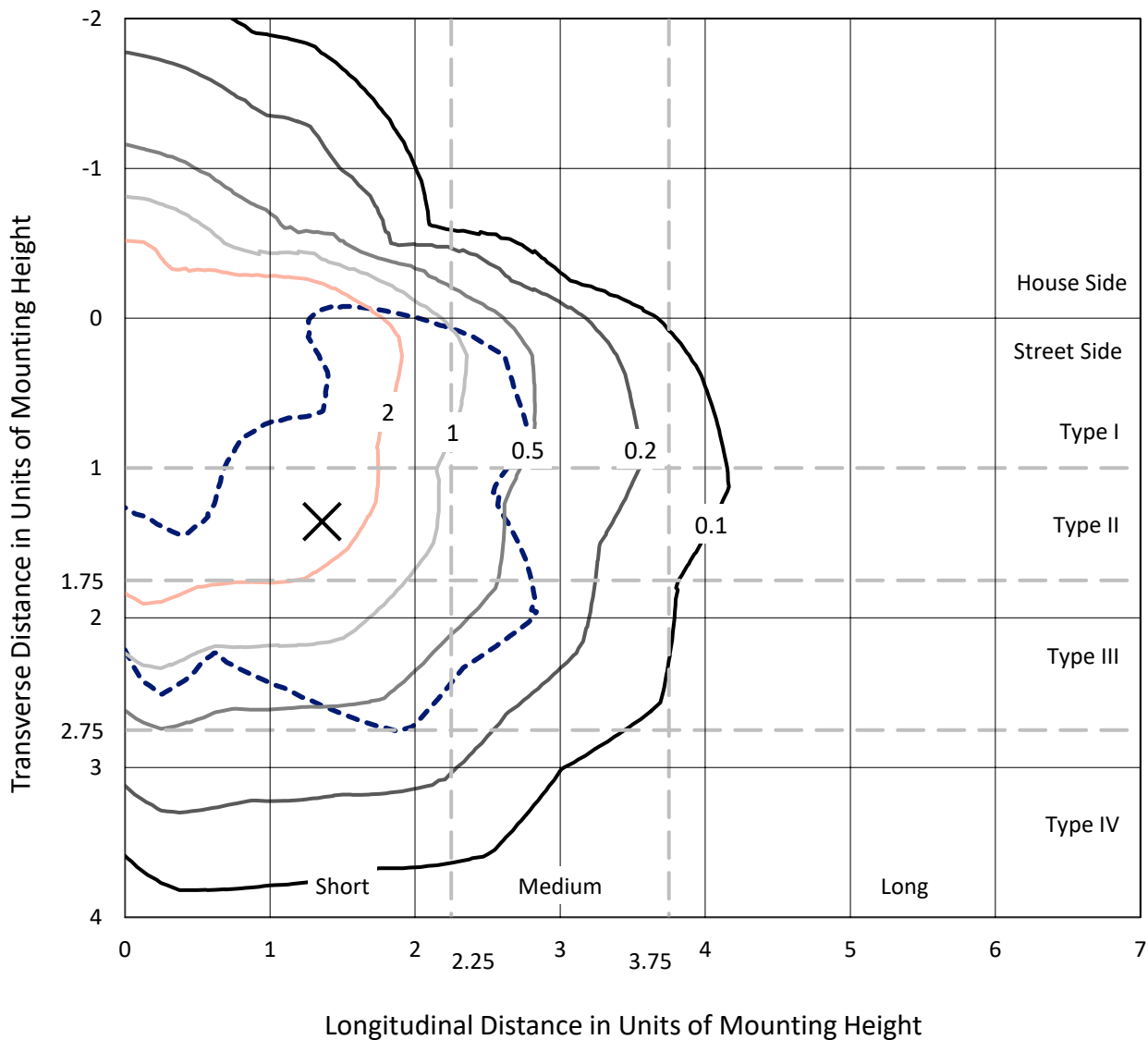


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### Iso-Footcandle Lines of Horizontal Illumination

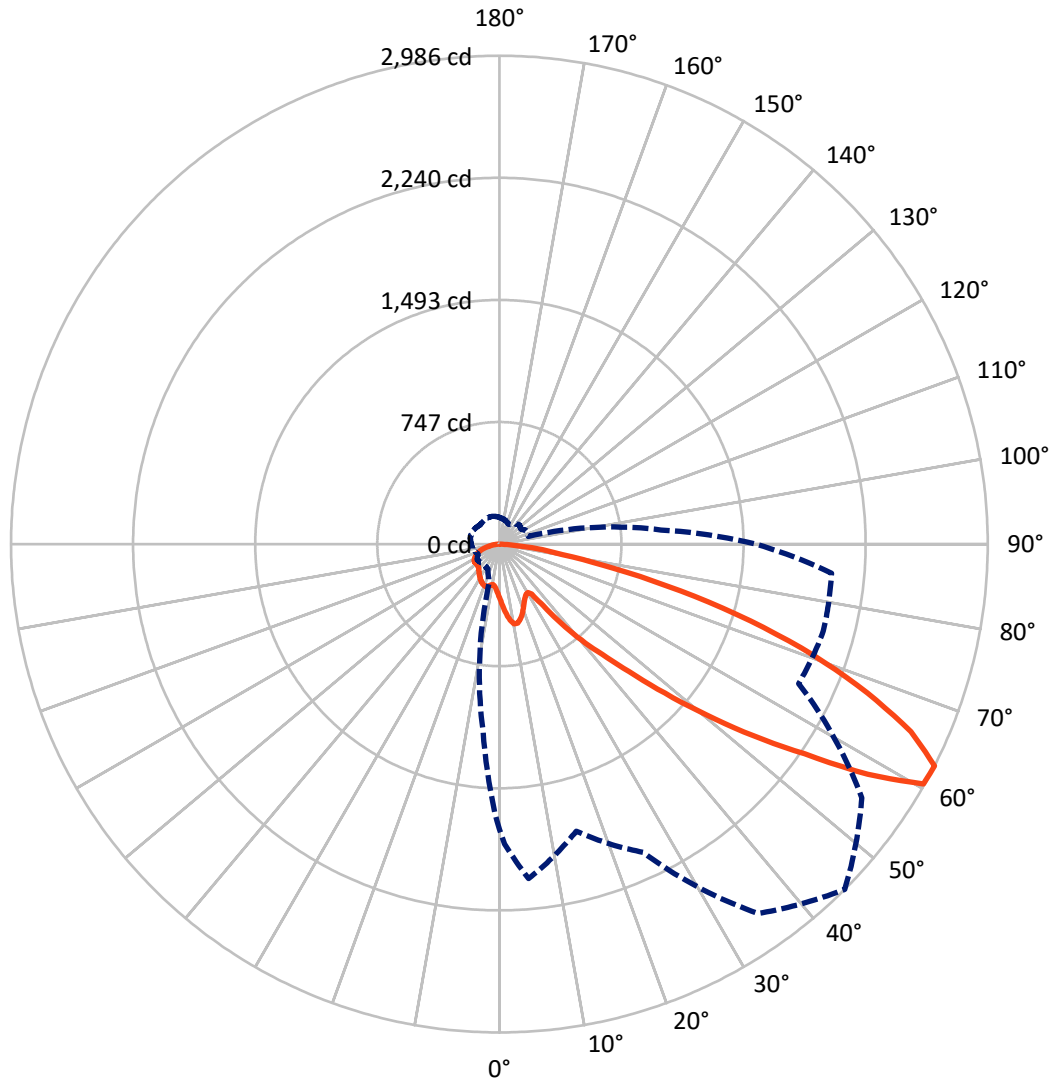
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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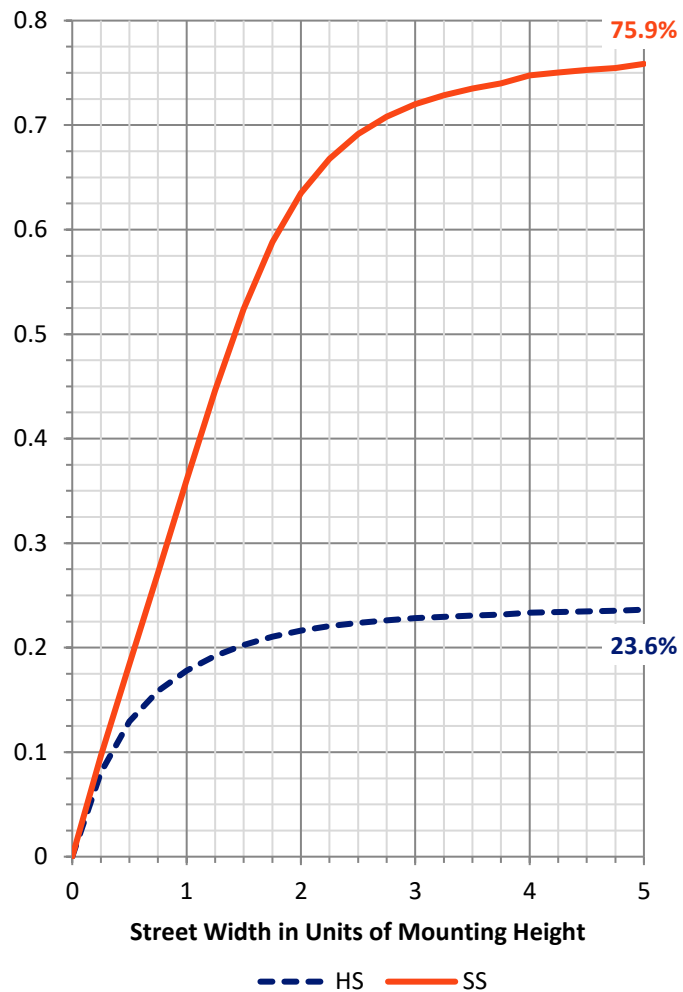
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 596.4    | 0.0    | 596.4  |
|                    | % Fixture | 23.9     | 0.0    | 23.9   |
| <b>Street Side</b> | Lumens    | 1903.1   | 0.0    | 1903.1 |
|                    | % Fixture | 76.1     | 0.0    | 76.1   |
| <b>Total</b>       | Lumens    | 2499.6   | 0.0    | 2499.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 32.4   | 1.3       |
| 10°-20°   | 101.6  | 4.1       |
| 20°-30°   | 157.8  | 6.3       |
| 30°-40°   | 214.2  | 8.6       |
| 40°-50°   | 339.5  | 13.6      |
| 50°-60°   | 598.8  | 24.0      |
| 60°-70°   | 666.3  | 26.7      |
| 70°-80°   | 337.9  | 13.5      |
| 80°-90°   | 51.2   | 2.0       |
| 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°    | 2499.6 | 100.0     |
| 0°-180°   | 2499.6 | 100.0     |

**Coefficient of Utilization**



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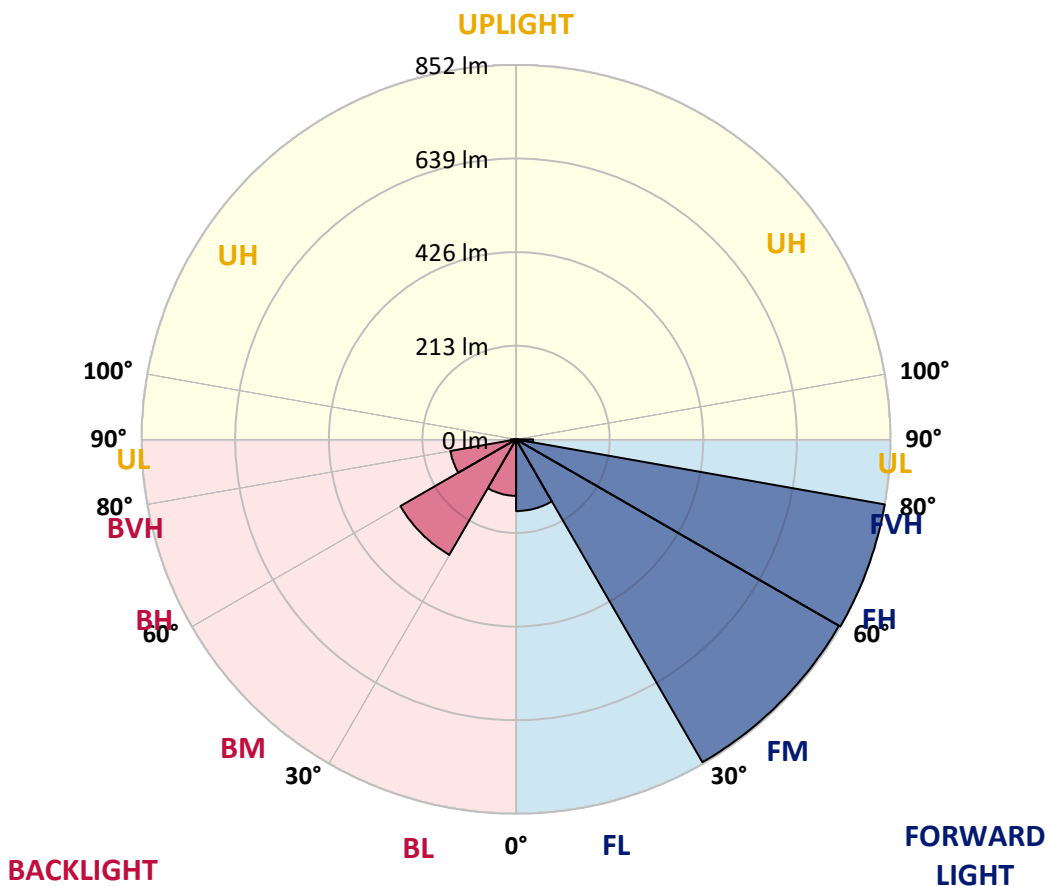
CATALOG NUMBER: GWS-SA1B-722-U-SLR-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 163.2  | 6.5       |                         |      |         |
| FM (30°-60°)   | 848.7  | 34.0      |                         |      |         |
| FH (60°-80°)   | 852.4  | 34.1      |                         |      | G1/1800 |
| FVH (80°-90°)  | 38.8   | 1.6       |                         |      | G1/100  |
| BL (0°-30°)    | 128.5  | 5.1       | B1/500                  |      |         |
| BM (30°-60°)   | 303.8  | 12.2      | B1/1000                 |      |         |
| BH (60°-80°)   | 151.8  | 6.1       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 12.3   | 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°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 331.7  | 331.7  | 331.7  | 331.7  | 331.7  | 331.7  | 331.7  | 331.7  | 331.7  | 331.7  | 331.7  |
| 2.5°  | 356.5  | 356.3  | 359.9  | 365.4  | 370.5  | 372.8  | 376.6  | 376.2  | 373.2  | 369.2  | 367.9  |
| 5°    | 384.5  | 385.3  | 391.5  | 403.7  | 417.1  | 422.8  | 425.2  | 424.3  | 418.8  | 411.8  | 399.5  |
| 7.5°  | 409.9  | 411.2  | 420.9  | 439.1  | 455.7  | 463.3  | 469.3  | 468.2  | 460.2  | 447.2  | 429.0  |
| 10°   | 428.5  | 430.0  | 441.5  | 462.9  | 481.4  | 488.1  | 495.8  | 496.2  | 489.2  | 471.6  | 453.1  |
| 12.5° | 447.0  | 448.5  | 459.3  | 478.8  | 490.9  | 491.1  | 495.6  | 498.1  | 498.5  | 490.3  | 471.8  |
| 15°   | 466.3  | 467.6  | 477.5  | 488.4  | 487.9  | 477.3  | 477.3  | 482.0  | 492.4  | 498.3  | 485.4  |
| 17.5° | 482.8  | 484.5  | 492.0  | 488.4  | 471.6  | 452.5  | 450.2  | 456.3  | 474.4  | 497.0  | 495.6  |
| 20°   | 496.4  | 497.7  | 501.9  | 478.0  | 447.4  | 422.4  | 418.0  | 425.0  | 449.6  | 488.8  | 503.4  |
| 22.5° | 509.4  | 510.2  | 507.9  | 464.4  | 421.3  | 392.7  | 387.4  | 394.8  | 421.3  | 474.4  | 510.0  |
| 25°   | 525.0  | 524.2  | 513.4  | 450.2  | 397.4  | 369.2  | 363.7  | 372.1  | 399.7  | 455.3  | 517.2  |
| 27.5° | 542.9  | 540.1  | 518.2  | 434.9  | 379.1  | 351.8  | 348.0  | 356.9  | 382.7  | 437.7  | 522.9  |
| 30°   | 558.3  | 552.8  | 518.9  | 421.3  | 369.6  | 344.4  | 342.2  | 350.5  | 374.3  | 425.8  | 530.1  |
| 32.5° | 575.3  | 567.7  | 523.3  | 417.7  | 374.9  | 362.2  | 365.2  | 365.8  | 376.6  | 422.4  | 540.9  |
| 35°   | 599.7  | 589.9  | 535.2  | 428.1  | 429.4  | 450.8  | 461.8  | 447.0  | 410.9  | 430.0  | 561.3  |
| 37.5° | 636.6  | 624.1  | 559.4  | 473.1  | 542.0  | 589.9  | 616.4  | 582.7  | 514.9  | 458.5  | 592.2  |
| 40°   | 681.5  | 665.6  | 590.4  | 556.4  | 647.2  | 723.9  | 771.0  | 721.6  | 622.1  | 529.9  | 635.5  |
| 42.5° | 744.1  | 727.5  | 650.6  | 638.1  | 744.7  | 858.8  | 920.3  | 846.7  | 716.5  | 622.1  | 704.9  |
| 45°   | 853.3  | 837.2  | 761.0  | 720.1  | 858.8  | 1025.0 | 1111.3 | 1008.9 | 812.4  | 714.6  | 834.8  |
| 47.5° | 1055.0 | 1036.1 | 924.8  | 810.9  | 989.0  | 1240.7 | 1361.4 | 1212.3 | 912.2  | 820.6  | 1052.8 |
| 50°   | 1297.3 | 1279.1 | 1130.6 | 918.4  | 1132.8 | 1471.4 | 1639.2 | 1451.3 | 1027.0 | 949.4  | 1313.4 |
| 52.5° | 1588.7 | 1585.3 | 1424.1 | 1054.3 | 1282.5 | 1717.4 | 1947.5 | 1716.1 | 1152.9 | 1123.0 | 1608.6 |
| 55°   | 1851.4 | 1884.7 | 1796.9 | 1261.5 | 1475.9 | 2026.4 | 2264.5 | 2004.9 | 1323.6 | 1409.9 | 1954.3 |
| 57.5° | 1992.9 | 2082.5 | 2217.4 | 1684.3 | 1757.1 | 2395.9 | 2655.7 | 2357.4 | 1616.9 | 1887.5 | 2274.9 |
| 60°   | 1899.5 | 2000.9 | 2245.4 | 2002.6 | 2036.1 | 2691.8 | 2978.5 | 2653.8 | 1904.9 | 2219.1 | 2256.8 |
| 62.5° | 1743.9 | 1834.9 | 2052.4 | 1816.8 | 2079.2 | 2756.9 | 2986.1 | 2705.5 | 2019.4 | 2050.9 | 2038.6 |
| 65°   | 1559.4 | 1651.2 | 1881.5 | 1585.9 | 1942.0 | 2602.3 | 2765.8 | 2553.5 | 1813.7 | 1852.9 | 1857.4 |
| 67.5° | 1314.3 | 1399.1 | 1633.6 | 1410.1 | 1770.2 | 2375.4 | 2427.6 | 2337.0 | 1670.3 | 1732.7 | 1667.4 |
| 70°   | 982.0  | 1058.5 | 1265.5 | 1145.9 | 1492.2 | 2079.8 | 2037.6 | 2051.0 | 1509.2 | 1571.3 | 1392.8 |
| 72.5° | 671.1  | 728.6  | 906.1  | 900.4  | 1142.7 | 1665.0 | 1606.1 | 1733.5 | 1260.6 | 1342.9 | 1061.9 |
| 75°   | 469.3  | 514.2  | 655.0  | 711.4  | 863.7  | 1234.1 | 1143.8 | 1297.5 | 984.5  | 1102.0 | 774.8  |
| 77.5° | 288.0  | 317.7  | 413.7  | 527.0  | 555.6  | 844.6  | 710.4  | 976.3  | 691.3  | 803.7  | 516.8  |
| 80°   | 144.0  | 158.4  | 201.0  | 331.4  | 368.5  | 497.7  | 392.3  | 566.8  | 467.8  | 497.7  | 286.0  |
| 82.5° | 43.5   | 48.1   | 58.9   | 125.8  | 190.9  | 286.5  | 231.8  | 329.3  | 255.5  | 233.3  | 112.6  |
| 85°   | 11.5   | 13.1   | 16.3   | 37.3   | 67.0   | 102.8  | 78.3   | 159.5  | 122.4  | 86.1   | 42.4   |
| 87.5° | 0.9    | 0.9    | 0.8    | 0.8    | 0.4    | 0.0    | 0.0    | 11.4   | 22.9   | 13.1   | 7.4    |
| 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°    | 331.7  | 331.7  | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 |
| 2.5°  | 361.3  | 360.5  | 352.8 | 347.1 | 340.5 | 334.0 | 327.4 | 321.5 | 314.9 | 308.3 | 306.4 |
| 5°    | 390.4  | 385.1  | 368.7 | 354.8 | 341.2 | 329.3 | 318.9 | 308.1 | 299.4 | 290.9 | 287.7 |
| 7.5°  | 416.2  | 406.9  | 383.0 | 362.0 | 343.1 | 328.3 | 313.0 | 297.3 | 285.0 | 272.9 | 269.9 |
| 10°   | 439.4  | 427.1  | 397.0 | 370.5 | 349.5 | 332.7 | 314.7 | 293.7 | 275.9 | 261.2 | 257.2 |
| 12.5° | 456.7  | 443.2  | 409.1 | 378.7 | 354.8 | 335.9 | 318.1 | 299.6 | 280.8 | 261.7 | 257.4 |
| 15°   | 470.3  | 456.3  | 419.2 | 384.9 | 355.0 | 330.6 | 313.4 | 307.0 | 301.1 | 282.4 | 274.4 |
| 17.5° | 481.3  | 466.5  | 427.9 | 388.7 | 349.9 | 314.5 | 299.6 | 309.0 | 324.0 | 312.3 | 297.3 |
| 20°   | 491.3  | 476.3  | 434.5 | 391.4 | 338.6 | 292.4 | 284.1 | 304.1 | 326.6 | 326.3 | 312.8 |
| 22.5° | 502.3  | 487.7  | 444.2 | 392.9 | 322.7 | 269.9 | 274.8 | 296.9 | 315.3 | 320.8 | 312.4 |
| 25°   | 516.3  | 503.4  | 457.6 | 396.3 | 304.7 | 254.3 | 268.0 | 287.7 | 303.0 | 304.3 | 299.4 |
| 27.5° | 532.5  | 522.9  | 477.7 | 404.2 | 287.3 | 246.4 | 260.0 | 274.6 | 288.6 | 289.2 | 283.3 |
| 30°   | 550.3  | 543.9  | 496.2 | 410.9 | 274.2 | 243.9 | 249.8 | 261.5 | 270.4 | 271.9 | 266.8 |
| 32.5° | 573.0  | 567.4  | 512.7 | 406.5 | 266.5 | 243.4 | 240.3 | 246.4 | 253.8 | 253.8 | 249.8 |
| 35°   | 604.3  | 596.3  | 530.1 | 389.8 | 257.0 | 241.1 | 230.3 | 232.0 | 235.2 | 235.8 | 233.5 |
| 37.5° | 648.5  | 635.5  | 547.7 | 356.9 | 241.5 | 233.0 | 218.8 | 216.7 | 217.8 | 219.3 | 218.8 |
| 40°   | 703.4  | 682.0  | 573.4 | 317.4 | 222.9 | 217.3 | 206.8 | 202.9 | 201.9 | 205.0 | 206.1 |
| 42.5° | 772.5  | 739.8  | 601.0 | 280.5 | 206.1 | 199.3 | 192.8 | 189.4 | 187.9 | 193.0 | 196.1 |
| 45°   | 882.8  | 828.9  | 627.5 | 243.9 | 196.6 | 183.9 | 179.6 | 177.1 | 177.9 | 183.9 | 187.7 |
| 47.5° | 1073.4 | 965.0  | 652.7 | 220.8 | 195.9 | 173.0 | 167.7 | 168.2 | 170.3 | 176.8 | 181.3 |
| 50°   | 1314.5 | 1147.2 | 669.6 | 211.2 | 198.1 | 166.3 | 159.3 | 162.4 | 165.6 | 171.8 | 177.1 |
| 52.5° | 1560.0 | 1317.0 | 649.5 | 205.9 | 198.0 | 166.5 | 151.6 | 160.7 | 162.2 | 168.4 | 174.1 |
| 55°   | 1728.8 | 1335.9 | 561.1 | 197.8 | 194.9 | 174.1 | 145.5 | 159.9 | 160.9 | 166.5 | 171.6 |
| 57.5° | 1793.1 | 1271.2 | 427.9 | 200.0 | 185.8 | 180.0 | 142.9 | 154.6 | 161.4 | 166.3 | 171.6 |
| 60°   | 1715.3 | 1149.1 | 260.0 | 205.9 | 171.3 | 179.6 | 144.6 | 145.0 | 156.7 | 165.0 | 170.3 |
| 62.5° | 1568.7 | 992.4  | 182.6 | 189.2 | 160.7 | 169.6 | 148.6 | 133.6 | 148.4 | 158.4 | 163.1 |
| 65°   | 1400.6 | 808.1  | 139.3 | 162.9 | 155.6 | 154.0 | 149.9 | 123.6 | 137.0 | 146.9 | 151.0 |
| 67.5° | 1225.6 | 628.1  | 113.2 | 121.5 | 140.6 | 139.3 | 137.0 | 114.7 | 123.6 | 130.6 | 135.3 |
| 70°   | 1005.1 | 439.4  | 95.6  | 91.2  | 120.5 | 124.9 | 119.8 | 103.5 | 106.4 | 113.5 | 117.3 |
| 72.5° | 735.2  | 273.8  | 78.5  | 75.3  | 96.9  | 109.2 | 106.5 | 91.2  | 92.5  | 99.4  | 102.4 |
| 75°   | 528.8  | 156.7  | 63.0  | 62.1  | 74.0  | 93.5  | 88.2  | 78.5  | 80.1  | 85.2  | 87.2  |
| 77.5° | 336.1  | 87.2   | 48.6  | 50.0  | 53.0  | 69.8  | 75.3  | 67.2  | 67.2  | 70.2  | 71.9  |
| 80°   | 180.0  | 50.0   | 35.6  | 36.1  | 37.1  | 53.4  | 59.4  | 52.0  | 52.0  | 50.0  | 52.0  |
| 82.5° | 73.4   | 28.8   | 24.4  | 22.7  | 24.8  | 36.5  | 41.6  | 33.1  | 34.6  | 31.2  | 32.0  |
| 85°   | 24.2   | 14.4   | 12.1  | 11.9  | 11.7  | 16.1  | 20.1  | 16.5  | 19.7  | 12.5  | 13.1  |
| 87.5° | 3.2    | 2.6    | 1.5   | 1.1   | 1.3   | 0.6   | 1.1   | 1.3   | 1.3   | 0.9   | 0.9   |
| 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):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  | 275°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 |
| 2.5°  | 305.1 | 303.6 | 298.1 | 299.4 | 298.4 | 296.9 | 298.4 | 295.6 | 297.9 | 298.6 | 303.4 |
| 5°    | 285.2 | 281.6 | 276.3 | 273.6 | 273.1 | 271.6 | 271.8 | 270.4 | 270.8 | 274.0 | 279.3 |
| 7.5°  | 267.4 | 264.0 | 259.8 | 257.9 | 256.2 | 254.5 | 254.3 | 254.2 | 255.7 | 258.5 | 263.6 |
| 10°   | 254.5 | 252.6 | 250.9 | 251.7 | 250.9 | 250.2 | 248.9 | 248.9 | 251.3 | 256.4 | 262.7 |
| 12.5° | 254.5 | 254.2 | 254.5 | 256.8 | 256.6 | 256.8 | 255.1 | 256.0 | 262.9 | 271.6 | 280.5 |
| 15°   | 268.2 | 265.1 | 265.1 | 266.3 | 265.9 | 265.9 | 265.9 | 269.9 | 285.4 | 298.8 | 308.3 |
| 17.5° | 284.8 | 275.9 | 272.1 | 271.6 | 271.4 | 271.4 | 272.1 | 280.7 | 304.9 | 319.1 | 324.6 |
| 20°   | 296.4 | 279.5 | 273.3 | 270.8 | 271.0 | 271.4 | 273.6 | 285.4 | 312.1 | 319.3 | 317.9 |
| 22.5° | 298.4 | 276.7 | 269.1 | 265.5 | 266.1 | 266.5 | 269.9 | 282.4 | 302.2 | 303.4 | 300.7 |
| 25°   | 288.8 | 268.7 | 260.6 | 257.8 | 258.5 | 258.3 | 261.3 | 270.4 | 284.6 | 284.2 | 282.7 |
| 27.5° | 274.4 | 256.0 | 250.0 | 248.1 | 249.4 | 247.9 | 248.9 | 255.9 | 266.8 | 266.5 | 265.9 |
| 30°   | 259.6 | 243.7 | 238.3 | 237.3 | 239.0 | 236.7 | 236.9 | 242.8 | 250.4 | 250.0 | 249.8 |
| 32.5° | 244.9 | 231.4 | 226.5 | 226.5 | 228.2 | 225.8 | 226.1 | 231.3 | 236.4 | 234.9 | 234.9 |
| 35°   | 230.9 | 221.4 | 217.4 | 216.7 | 218.0 | 216.3 | 217.1 | 221.8 | 223.7 | 221.6 | 220.3 |
| 37.5° | 218.6 | 214.4 | 210.4 | 207.8 | 208.0 | 208.2 | 210.4 | 214.0 | 212.9 | 209.9 | 208.2 |
| 40°   | 207.2 | 207.2 | 203.4 | 198.5 | 198.0 | 199.3 | 203.1 | 207.0 | 203.8 | 200.4 | 198.3 |
| 42.5° | 199.1 | 200.8 | 197.2 | 192.3 | 191.1 | 193.4 | 197.6 | 200.4 | 196.6 | 192.8 | 190.0 |
| 45°   | 191.5 | 195.7 | 193.2 | 187.7 | 186.2 | 188.9 | 194.2 | 195.3 | 190.2 | 186.6 | 184.5 |
| 47.5° | 186.2 | 191.9 | 190.2 | 184.9 | 182.6 | 186.4 | 191.9 | 191.7 | 185.3 | 181.5 | 179.8 |
| 50°   | 182.4 | 189.6 | 189.4 | 184.9 | 182.4 | 187.2 | 192.1 | 189.6 | 182.6 | 178.6 | 176.9 |
| 52.5° | 179.4 | 189.4 | 190.8 | 188.1 | 186.4 | 190.6 | 193.6 | 188.9 | 180.7 | 176.6 | 175.2 |
| 55°   | 178.1 | 190.2 | 191.1 | 188.7 | 187.2 | 190.9 | 193.6 | 190.4 | 180.7 | 176.9 | 175.8 |
| 57.5° | 178.5 | 189.2 | 189.4 | 186.0 | 183.4 | 188.1 | 192.3 | 191.3 | 182.8 | 178.5 | 177.1 |
| 60°   | 176.2 | 184.1 | 184.5 | 179.2 | 176.2 | 181.9 | 189.2 | 188.7 | 181.9 | 177.3 | 174.9 |
| 62.5° | 168.6 | 175.6 | 175.8 | 170.9 | 166.5 | 174.7 | 182.8 | 182.6 | 176.4 | 171.8 | 169.0 |
| 65°   | 155.9 | 163.3 | 165.2 | 160.5 | 157.1 | 165.8 | 174.3 | 173.9 | 167.7 | 163.5 | 160.7 |
| 67.5° | 140.2 | 148.2 | 151.8 | 148.6 | 147.2 | 155.2 | 163.1 | 162.9 | 157.8 | 153.9 | 151.4 |
| 70°   | 121.1 | 127.7 | 133.8 | 133.8 | 132.9 | 141.9 | 150.5 | 149.7 | 145.0 | 141.9 | 140.0 |
| 72.5° | 105.2 | 110.3 | 112.2 | 114.1 | 117.0 | 126.4 | 133.6 | 134.2 | 130.8 | 129.3 | 130.8 |
| 75°   | 89.5  | 92.7  | 94.4  | 92.9  | 97.8  | 107.7 | 117.1 | 118.1 | 114.5 | 112.0 | 112.6 |
| 77.5° | 73.6  | 77.2  | 78.9  | 75.5  | 75.1  | 87.6  | 99.2  | 101.2 | 98.2  | 94.4  | 95.6  |
| 80°   | 53.2  | 57.9  | 60.7  | 58.5  | 57.7  | 63.2  | 79.1  | 81.4  | 78.5  | 75.5  | 77.2  |
| 82.5° | 32.6  | 35.2  | 36.0  | 38.2  | 43.0  | 45.2  | 50.9  | 58.5  | 56.4  | 53.7  | 58.5  |
| 85°   | 12.9  | 15.3  | 17.0  | 19.3  | 22.5  | 26.7  | 31.4  | 37.5  | 34.1  | 32.9  | 38.8  |
| 87.5° | 0.8   | 0.2   | 0.0   | 0.4   | 3.2   | 6.2   | 13.4  | 18.5  | 15.5  | 16.7  | 20.1  |
| 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):**

|       | 285°  | 295°  | 305°  | 315°  | 325°  | 335°  | 345°  | 355°   | 359°   | 360°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7  | 331.7  | 331.7  |
| 2.5°  | 307.1 | 312.1 | 318.7 | 324.2 | 331.2 | 337.8 | 344.6 | 351.4  | 355.0  | 356.5  |
| 5°    | 285.4 | 294.5 | 305.1 | 316.8 | 330.4 | 344.8 | 359.4 | 374.3  | 383.8  | 384.5  |
| 7.5°  | 272.3 | 285.4 | 300.0 | 314.7 | 331.6 | 351.4 | 374.5 | 397.6  | 407.3  | 409.9  |
| 10°   | 276.5 | 291.1 | 302.6 | 316.4 | 335.0 | 359.8 | 387.0 | 414.1  | 425.2  | 428.5  |
| 12.5° | 293.1 | 296.0 | 299.6 | 312.3 | 335.0 | 366.9 | 399.9 | 432.0  | 444.0  | 447.0  |
| 15°   | 307.0 | 293.3 | 286.9 | 300.3 | 330.4 | 373.2 | 413.5 | 449.1  | 463.5  | 466.3  |
| 17.5° | 308.1 | 284.6 | 270.6 | 282.7 | 322.5 | 377.5 | 426.6 | 468.0  | 480.1  | 482.8  |
| 20°   | 296.5 | 275.4 | 257.2 | 264.6 | 311.7 | 379.4 | 436.0 | 481.8  | 493.7  | 496.4  |
| 22.5° | 283.5 | 267.8 | 248.1 | 247.7 | 298.6 | 381.5 | 447.4 | 494.9  | 507.7  | 509.4  |
| 25°   | 271.2 | 257.4 | 240.7 | 235.4 | 283.5 | 385.5 | 462.7 | 514.6  | 524.4  | 525.0  |
| 27.5° | 256.8 | 246.2 | 234.9 | 229.7 | 270.2 | 393.1 | 485.4 | 538.0  | 543.9  | 542.9  |
| 30°   | 243.7 | 235.8 | 230.7 | 229.2 | 261.9 | 398.7 | 507.0 | 561.1  | 561.5  | 558.3  |
| 32.5° | 229.9 | 226.9 | 226.9 | 231.8 | 255.1 | 397.4 | 524.6 | 583.6  | 580.0  | 575.3  |
| 35°   | 217.6 | 218.2 | 222.2 | 233.7 | 243.7 | 384.2 | 541.4 | 611.8  | 606.5  | 599.7  |
| 37.5° | 205.9 | 210.3 | 215.9 | 227.1 | 228.8 | 364.5 | 561.1 | 651.8  | 645.1  | 636.6  |
| 40°   | 195.9 | 202.5 | 209.1 | 214.6 | 212.9 | 336.5 | 588.6 | 698.7  | 691.3  | 681.5  |
| 42.5° | 187.9 | 194.4 | 201.7 | 202.3 | 202.9 | 307.3 | 617.7 | 756.2  | 754.9  | 744.1  |
| 45°   | 182.8 | 187.0 | 194.0 | 193.0 | 202.3 | 275.2 | 644.6 | 844.0  | 861.4  | 853.3  |
| 47.5° | 179.4 | 182.6 | 183.4 | 187.4 | 207.2 | 246.4 | 679.2 | 1015.9 | 1064.3 | 1055.0 |
| 50°   | 177.5 | 180.7 | 172.2 | 187.7 | 208.0 | 227.9 | 727.1 | 1231.6 | 1309.6 | 1297.3 |
| 52.5° | 177.3 | 176.6 | 163.7 | 191.7 | 203.8 | 216.5 | 752.1 | 1389.1 | 1562.0 | 1588.7 |
| 55°   | 177.7 | 168.2 | 159.3 | 192.8 | 195.5 | 212.3 | 668.4 | 1464.8 | 1795.0 | 1851.4 |
| 57.5° | 174.3 | 159.2 | 161.8 | 188.3 | 179.8 | 223.5 | 494.1 | 1437.7 | 1888.1 | 1992.9 |
| 60°   | 167.9 | 150.5 | 166.3 | 176.0 | 163.7 | 204.4 | 340.3 | 1317.0 | 1791.6 | 1899.5 |
| 62.5° | 158.6 | 144.4 | 165.8 | 160.1 | 157.8 | 167.3 | 233.9 | 1148.0 | 1638.5 | 1743.9 |
| 65°   | 148.2 | 139.5 | 156.9 | 144.8 | 146.1 | 128.7 | 165.4 | 957.2  | 1455.7 | 1559.4 |
| 67.5° | 137.0 | 136.4 | 143.8 | 128.9 | 123.4 | 102.0 | 120.5 | 767.2  | 1220.8 | 1314.3 |
| 70°   | 124.3 | 128.5 | 130.8 | 114.5 | 100.1 | 80.1  | 89.5  | 536.5  | 900.6  | 982.0  |
| 72.5° | 111.7 | 112.0 | 115.3 | 99.5  | 74.9  | 64.2  | 67.2  | 324.9  | 611.8  | 671.1  |
| 75°   | 98.8  | 95.2  | 98.2  | 81.0  | 55.8  | 52.6  | 51.9  | 200.8  | 422.6  | 469.3  |
| 77.5° | 85.0  | 81.0  | 77.0  | 60.9  | 44.9  | 40.7  | 39.7  | 112.6  | 259.3  | 288.0  |
| 80°   | 69.1  | 63.8  | 57.5  | 44.7  | 32.7  | 29.1  | 29.0  | 54.9   | 129.3  | 144.0  |
| 82.5° | 53.7  | 43.7  | 42.0  | 27.8  | 20.2  | 17.8  | 18.9  | 21.0   | 39.0   | 43.5   |
| 85°   | 37.7  | 31.8  | 22.3  | 11.2  | 9.1   | 7.4   | 7.2   | 6.2    | 10.4   | 11.5   |
| 87.5° | 21.0  | 13.8  | 7.2   | 1.3   | 1.5   | 1.7   | 1.3   | 0.9    | 0.9    | 0.9    |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)