

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P200168

Luminaire Tested: **GAW-AF-02-LED-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200168  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAW-AF-02-LED-U-SLR  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11167.5 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

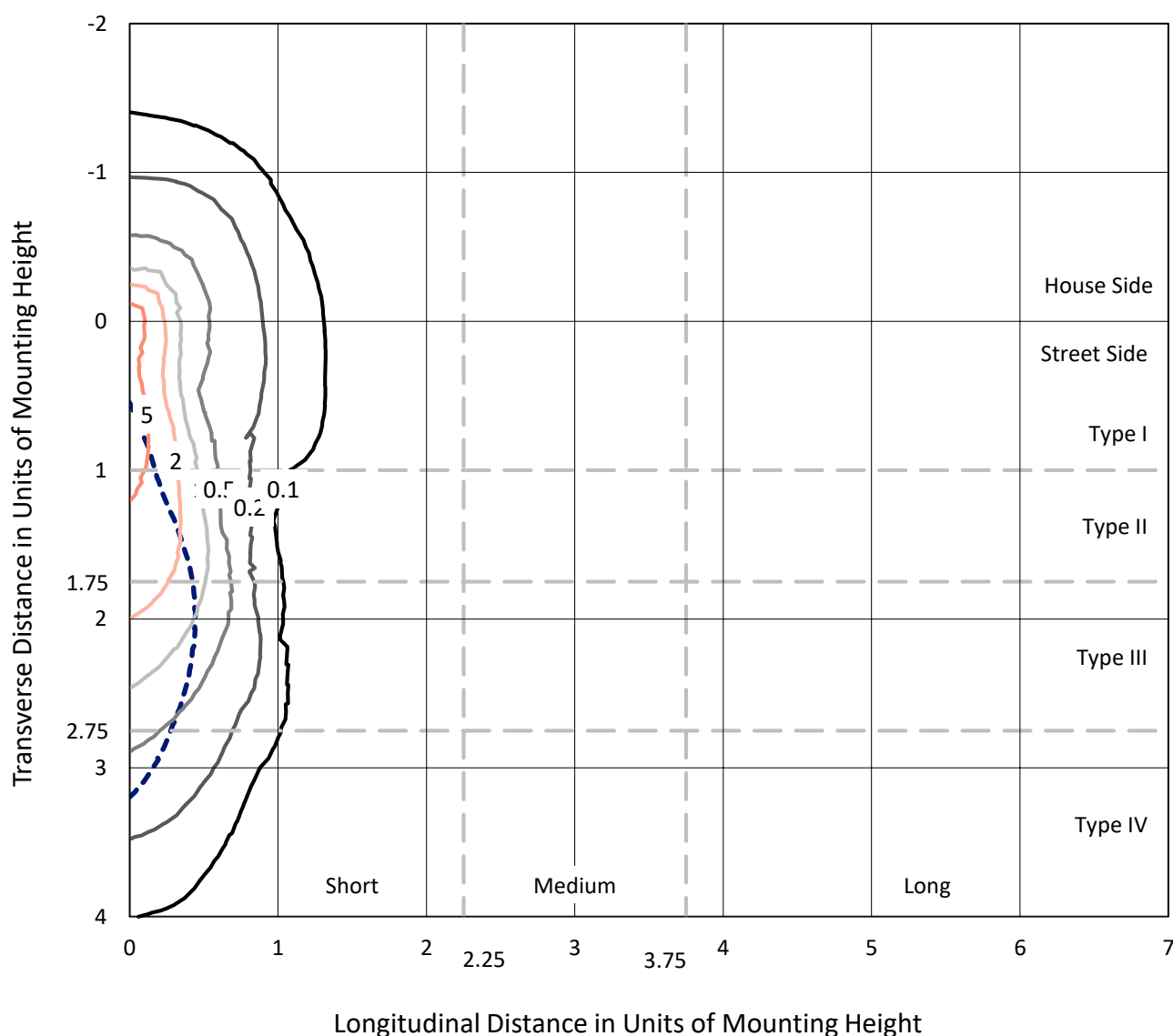


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

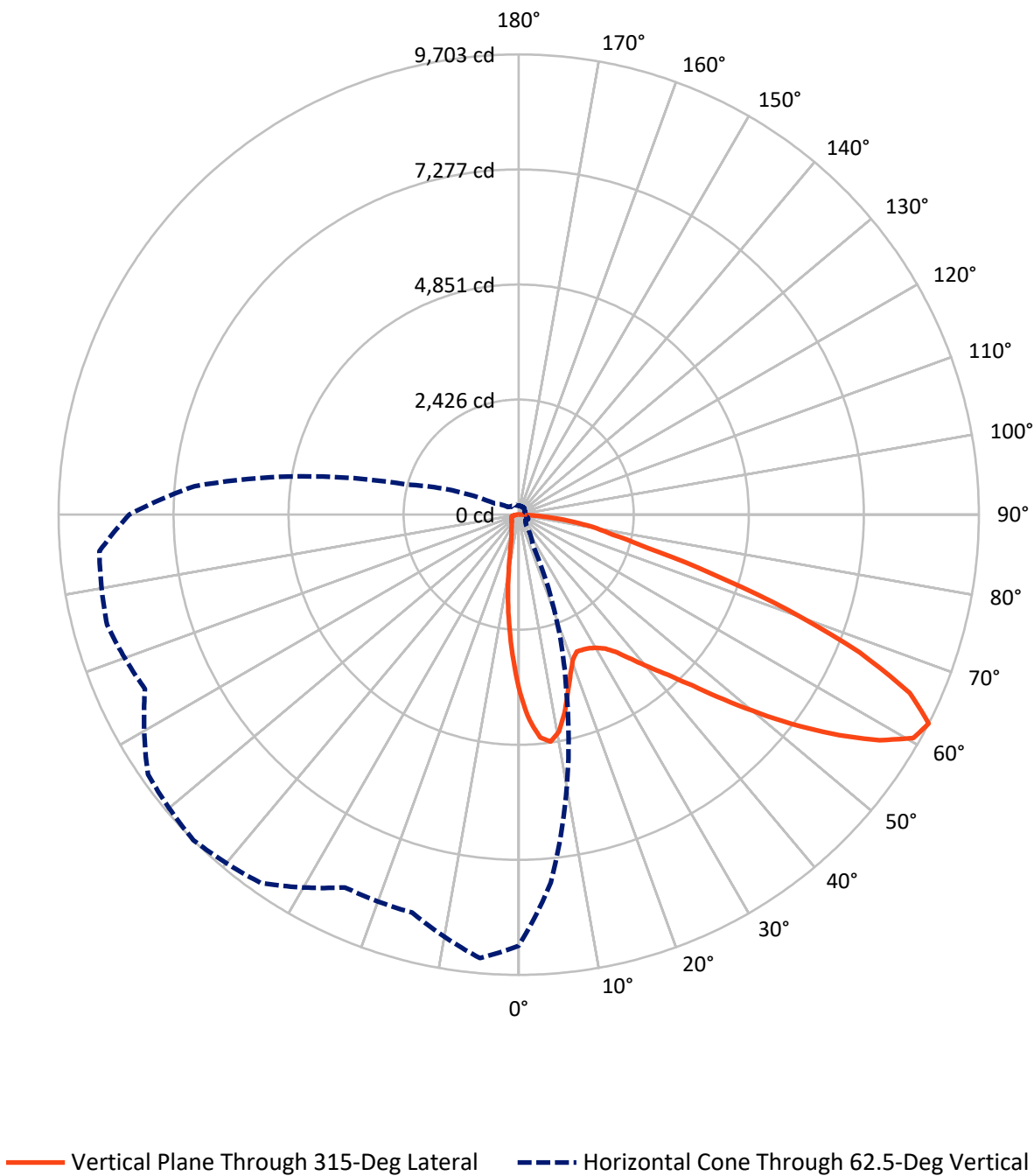


Based on 20 foot mounting height. Maximum calculated value = 9.4 fc  
 Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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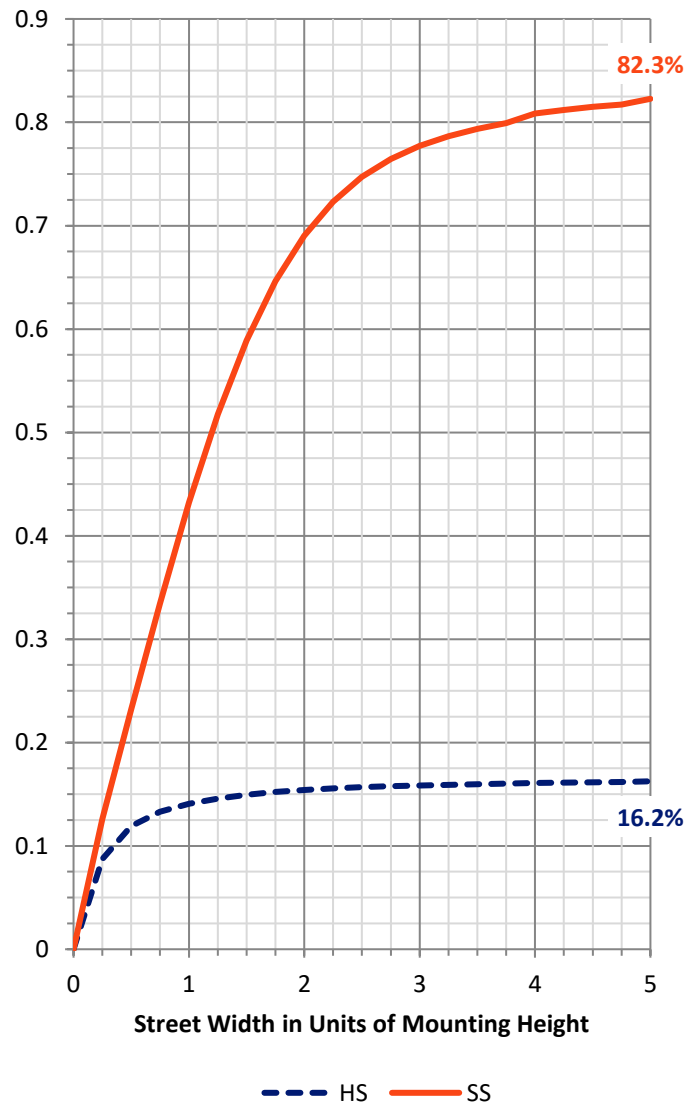
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1848.0   | 0.0    | 1848.0  |
|                    | % Fixture | 16.5     | 0.0    | 16.5    |
| <b>Street Side</b> | Lumens    | 9319.5   | 0.0    | 9319.5  |
|                    | % Fixture | 83.5     | 0.0    | 83.5    |
| <b>Total</b>       | Lumens    | 11167.5  | 0.0    | 11167.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 274.7   | 2.5       |
| 10°-20°   | 503.6   | 4.5       |
| 20°-30°   | 734.3   | 6.6       |
| 30°-40°   | 1131.0  | 10.1      |
| 40°-50°   | 1664.5  | 14.9      |
| 50°-60°   | 2441.4  | 21.9      |
| 60°-70°   | 2729.1  | 24.4      |
| 70°-80°   | 1336.1  | 12.0      |
| 80°-90°   | 352.8   | 3.2       |
| 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°    | 11167.5 | 100.0     |
| 0°-180°   | 11167.5 | 100.0     |

**Coefficient of Utilization**



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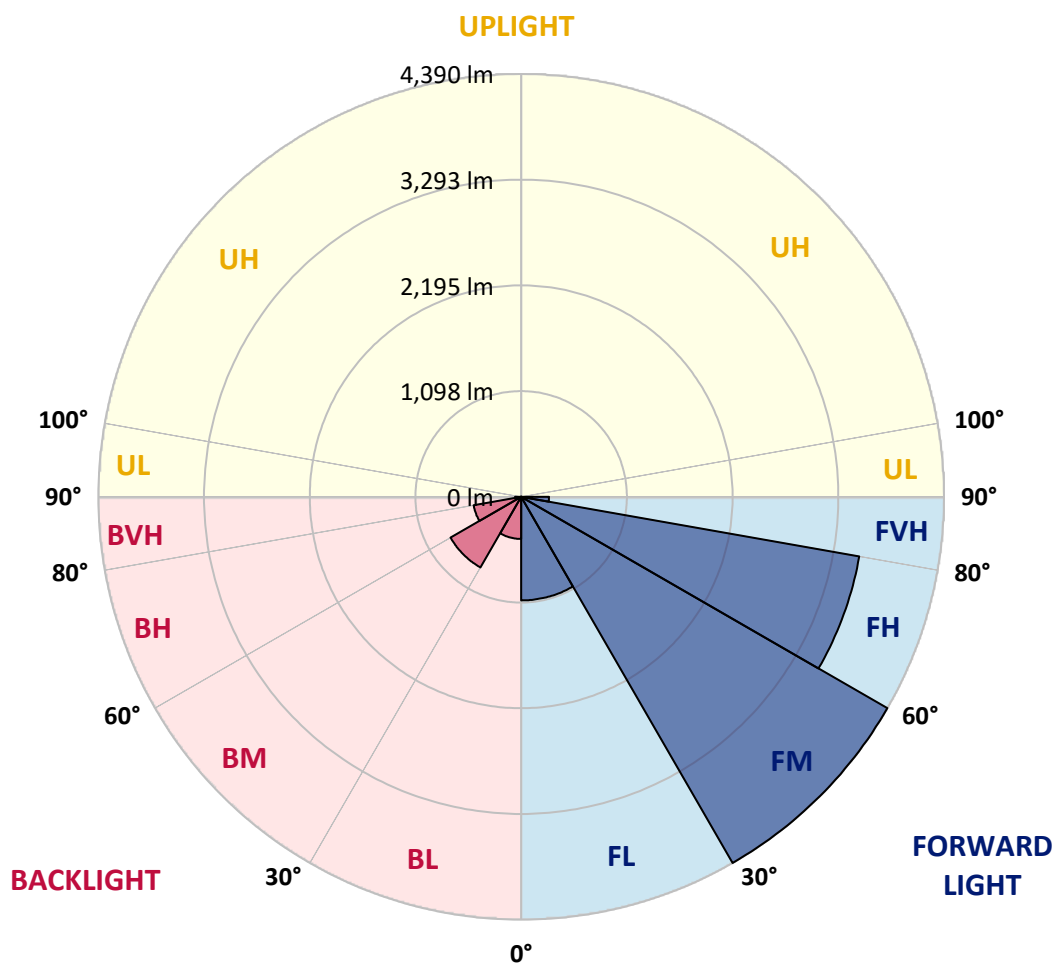
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1075.4 | 9.6       |                         |      |         |
| FM   | (30°-60°)   | 4390.1 | 39.3      |                         |      |         |
| FH   | (60°-80°)   | 3564.3 | 31.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 289.7  | 2.6       |                         |      | G3/500  |
| BL   | (0°-30°)    | 437.2  | 3.9       | B1/500                  |      |         |
| BM   | (30°-60°)   | 846.8  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 501.0  | 4.5       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 63.1   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 |
| 2.5°  | 3920.4 | 3840.6 | 3707.9 | 3569.8 | 3485.7 | 3387.5 | 3310.8 | 3243.2 | 3108.1 | 3081.7 | 3105.7 |
| 5°    | 3686.4 | 3526.2 | 3276.4 | 3024.7 | 2857.1 | 2677.2 | 2537.2 | 2424.9 | 2253.6 | 2223.5 | 2259.7 |
| 7.5°  | 3311.4 | 3119.8 | 2789.6 | 2468.5 | 2231.5 | 2006.8 | 1855.8 | 1735.4 | 1601.6 | 1543.9 | 1547.6 |
| 10°   | 2987.8 | 2771.8 | 2381.3 | 2032.0 | 1838.0 | 1686.3 | 1559.3 | 1435.9 | 1300.3 | 1211.2 | 1186.6 |
| 12.5° | 2806.8 | 2558.1 | 2108.1 | 1796.3 | 1616.4 | 1456.8 | 1319.9 | 1187.9 | 1043.0 | 952.2  | 926.4  |
| 15°   | 2775.5 | 2505.3 | 2005.6 | 1645.2 | 1420.0 | 1217.9 | 1056.5 | 909.2  | 760.1  | 686.3  | 671.0  |
| 17.5° | 2911.1 | 2599.8 | 1972.5 | 1510.8 | 1235.1 | 985.9  | 787.7  | 623.1  | 501.6  | 464.7  | 461.7  |
| 20°   | 3171.4 | 2781.6 | 1968.2 | 1384.4 | 1052.8 | 760.7  | 548.8  | 429.1  | 375.7  | 365.3  | 365.9  |
| 22.5° | 3536.6 | 3063.3 | 2020.9 | 1289.2 | 885.3  | 567.2  | 412.6  | 359.2  | 338.3  | 328.5  | 328.5  |
| 25°   | 4009.4 | 3451.3 | 2142.5 | 1219.8 | 739.7  | 453.1  | 364.1  | 332.2  | 312.5  | 305.8  | 307.0  |
| 27.5° | 4467.3 | 3828.9 | 2283.7 | 1165.1 | 644.6  | 411.3  | 345.0  | 316.2  | 299.0  | 292.3  | 295.3  |
| 30°   | 4824.6 | 4164.0 | 2401.6 | 1090.9 | 596.1  | 399.7  | 351.8  | 322.3  | 297.8  | 287.3  | 288.0  |
| 32.5° | 5120.5 | 4457.5 | 2500.4 | 1037.5 | 553.1  | 342.6  | 303.3  | 290.4  | 287.3  | 275.1  | 268.9  |
| 35°   | 5498.7 | 4777.4 | 2566.7 | 1038.7 | 532.9  | 305.8  | 270.2  | 247.3  | 230.8  | 216.7  | 216.7  |
| 37.5° | 5941.9 | 5144.4 | 2637.3 | 1052.8 | 525.5  | 284.3  | 258.5  | 235.7  | 220.3  | 206.8  | 204.4  |
| 40°   | 6380.2 | 5504.2 | 2701.7 | 1066.3 | 521.2  | 271.4  | 249.2  | 228.3  | 214.2  | 200.7  | 197.0  |
| 42.5° | 6752.8 | 5800.1 | 2759.4 | 1073.1 | 506.5  | 270.2  | 242.4  | 223.4  | 209.9  | 195.2  | 191.5  |
| 45°   | 7028.5 | 6048.1 | 2821.5 | 1083.5 | 491.7  | 275.1  | 242.4  | 222.8  | 206.2  | 192.1  | 188.4  |
| 47.5° | 7274.6 | 6339.1 | 2925.2 | 1083.5 | 473.9  | 265.9  | 250.4  | 223.4  | 205.6  | 190.9  | 187.8  |
| 50°   | 7604.3 | 6738.1 | 3121.6 | 1058.3 | 448.8  | 256.0  | 264.0  | 221.0  | 200.1  | 188.4  | 184.7  |
| 52.5° | 8058.6 | 7249.4 | 3433.5 | 1014.8 | 410.1  | 236.9  | 262.2  | 219.7  | 194.6  | 182.3  | 178.0  |
| 55°   | 8595.8 | 7797.1 | 3773.7 | 963.8  | 352.4  | 223.4  | 253.0  | 216.7  | 188.4  | 174.9  | 170.6  |
| 57.5° | 9015.1 | 8174.0 | 4013.0 | 885.3  | 302.1  | 216.0  | 224.0  | 213.6  | 181.1  | 166.9  | 163.3  |
| 60°   | 9182.0 | 8159.3 | 4078.7 | 780.3  | 277.5  | 209.9  | 195.8  | 239.4  | 174.9  | 160.8  | 156.5  |
| 62.5° | 9091.8 | 7782.3 | 3894.6 | 706.6  | 272.0  | 201.9  | 183.5  | 221.6  | 170.0  | 156.5  | 150.4  |
| 65°   | 8674.9 | 7114.4 | 3406.5 | 686.9  | 288.0  | 194.0  | 175.5  | 173.7  | 163.3  | 150.4  | 144.2  |
| 67.5° | 7767.0 | 6116.2 | 2727.5 | 688.8  | 308.2  | 186.0  | 167.6  | 159.0  | 154.1  | 143.6  | 138.1  |
| 70°   | 6326.2 | 4835.7 | 2033.2 | 693.7  | 318.6  | 176.8  | 159.0  | 149.8  | 144.2  | 133.8  | 130.1  |
| 72.5° | 4651.5 | 3726.9 | 1477.0 | 661.7  | 320.5  | 166.3  | 147.3  | 139.3  | 133.8  | 122.8  | 119.7  |
| 75°   | 3182.4 | 2851.0 | 1024.6 | 548.2  | 279.4  | 151.6  | 134.4  | 127.1  | 123.4  | 109.9  | 108.0  |
| 77.5° | 2324.9 | 2140.0 | 655.6  | 407.0  | 215.4  | 133.2  | 118.5  | 112.9  | 110.5  | 95.7   | 93.3   |
| 80°   | 1865.7 | 1693.1 | 410.1  | 278.8  | 157.7  | 111.7  | 99.4   | 96.4   | 93.9   | 79.2   | 77.3   |
| 82.5° | 1294.1 | 1133.8 | 263.4  | 181.1  | 118.5  | 86.5   | 78.6   | 77.3   | 73.7   | 60.1   | 58.3   |
| 85°   | 682.6  | 615.7  | 166.9  | 123.4  | 85.9   | 59.5   | 54.6   | 54.6   | 52.8   | 39.9   | 38.7   |
| 87.5° | 87.2   | 141.8  | 84.7   | 64.4   | 47.3   | 26.4   | 26.4   | 25.8   | 27.6   | 22.7   | 19.6   |
| 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):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   | 185°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 |
| 2.5°  | 3049.2 | 3078.7 | 3050.4 | 3052.3 | 3083.6 | 3176.9 | 3219.2 | 3254.2 | 3291.8 | 3316.3 | 3327.4 |
| 5°    | 2210.0 | 2278.8 | 2302.2 | 2351.3 | 2423.7 | 2542.7 | 2590.0 | 2624.4 | 2647.1 | 2660.6 | 2666.1 |
| 7.5°  | 1511.4 | 1553.1 | 1599.8 | 1679.0 | 1836.8 | 1906.8 | 1938.1 | 1930.1 | 1904.3 | 1895.1 | 1885.9 |
| 10°   | 1139.4 | 1122.8 | 1114.2 | 1157.8 | 1285.5 | 1356.1 | 1378.2 | 1356.7 | 1342.6 | 1345.7 | 1361.0 |
| 12.5° | 882.8  | 854.0  | 819.0  | 814.1  | 898.2  | 961.4  | 975.5  | 976.7  | 1002.5 | 1025.2 | 1059.0 |
| 15°   | 643.3  | 640.3  | 623.1  | 612.6  | 660.5  | 712.1  | 718.2  | 729.3  | 752.6  | 769.3  | 798.7  |
| 17.5° | 453.7  | 470.3  | 483.8  | 490.5  | 526.7  | 563.5  | 556.8  | 551.3  | 547.0  | 547.0  | 561.1  |
| 20°   | 365.9  | 377.0  | 394.1  | 413.8  | 450.6  | 476.4  | 459.8  | 437.7  | 421.8  | 416.9  | 418.7  |
| 22.5° | 329.7  | 338.3  | 348.1  | 365.3  | 398.4  | 416.2  | 398.4  | 382.5  | 366.5  | 361.0  | 359.2  |
| 25°   | 311.3  | 322.3  | 331.5  | 344.4  | 369.0  | 381.3  | 364.1  | 352.4  | 342.6  | 335.8  | 330.9  |
| 27.5° | 300.8  | 310.7  | 313.1  | 319.3  | 340.1  | 351.2  | 342.6  | 337.7  | 331.5  | 325.4  | 319.3  |
| 30°   | 289.8  | 288.0  | 283.7  | 284.3  | 300.8  | 311.9  | 311.3  | 312.5  | 311.9  | 310.1  | 308.8  |
| 32.5° | 264.6  | 261.0  | 257.3  | 261.0  | 276.3  | 286.1  | 286.7  | 289.2  | 289.2  | 288.6  | 293.5  |
| 35°   | 220.3  | 227.1  | 231.4  | 242.4  | 261.0  | 269.5  | 265.9  | 259.7  | 248.6  | 241.8  | 241.2  |
| 37.5° | 203.8  | 205.0  | 212.4  | 227.7  | 248.0  | 256.0  | 250.4  | 236.3  | 228.9  | 227.7  | 229.6  |
| 40°   | 195.8  | 197.0  | 201.3  | 215.4  | 235.7  | 243.7  | 238.8  | 228.3  | 221.6  | 221.0  | 224.0  |
| 42.5° | 190.3  | 191.5  | 194.0  | 203.8  | 220.3  | 230.2  | 230.8  | 223.4  | 215.4  | 216.0  | 219.1  |
| 45°   | 187.2  | 187.8  | 187.2  | 192.1  | 207.5  | 219.1  | 224.0  | 219.1  | 212.4  | 213.6  | 217.3  |
| 47.5° | 186.6  | 184.7  | 182.3  | 183.5  | 199.5  | 211.1  | 217.3  | 215.4  | 212.4  | 213.6  | 216.7  |
| 50°   | 184.1  | 179.8  | 176.8  | 176.2  | 192.1  | 204.4  | 209.9  | 209.9  | 211.1  | 213.6  | 216.7  |
| 52.5° | 176.8  | 171.9  | 171.9  | 170.0  | 187.2  | 198.9  | 202.5  | 203.2  | 205.0  | 209.3  | 213.6  |
| 55°   | 167.6  | 165.7  | 167.6  | 164.5  | 183.5  | 194.6  | 196.4  | 197.6  | 198.9  | 202.5  | 208.7  |
| 57.5° | 159.6  | 157.1  | 161.4  | 160.2  | 180.4  | 190.3  | 190.3  | 192.7  | 192.7  | 197.6  | 202.5  |
| 60°   | 155.3  | 150.4  | 152.2  | 153.4  | 176.2  | 186.6  | 185.4  | 187.8  | 189.0  | 193.3  | 197.0  |
| 62.5° | 149.8  | 145.5  | 145.5  | 148.5  | 171.2  | 181.1  | 180.4  | 182.3  | 187.2  | 188.4  | 192.1  |
| 65°   | 143.0  | 141.2  | 139.3  | 143.0  | 166.3  | 174.9  | 175.5  | 178.0  | 182.3  | 183.5  | 186.6  |
| 67.5° | 136.3  | 136.9  | 133.2  | 136.9  | 162.0  | 168.8  | 168.8  | 173.7  | 175.5  | 178.0  | 181.1  |
| 70°   | 128.9  | 129.5  | 126.4  | 130.7  | 159.0  | 162.0  | 161.4  | 168.2  | 169.4  | 171.2  | 174.3  |
| 72.5° | 119.7  | 119.7  | 118.5  | 124.6  | 154.1  | 155.3  | 154.1  | 159.6  | 160.2  | 162.0  | 163.3  |
| 75°   | 109.9  | 109.9  | 108.6  | 117.2  | 151.0  | 147.9  | 144.2  | 148.5  | 149.8  | 151.0  | 151.0  |
| 77.5° | 97.0   | 98.2   | 98.2   | 108.6  | 140.6  | 144.8  | 132.6  | 135.0  | 136.9  | 137.5  | 135.6  |
| 80°   | 81.0   | 84.1   | 85.3   | 98.8   | 117.8  | 133.8  | 118.5  | 120.3  | 120.9  | 120.9  | 118.5  |
| 82.5° | 62.0   | 67.5   | 70.6   | 85.3   | 90.2   | 112.3  | 103.1  | 105.0  | 103.1  | 99.4   | 98.2   |
| 85°   | 43.0   | 50.3   | 54.0   | 65.1   | 68.1   | 86.5   | 85.9   | 85.9   | 82.2   | 77.3   | 76.7   |
| 87.5° | 23.3   | 27.6   | 30.1   | 38.7   | 46.6   | 58.3   | 63.2   | 61.4   | 58.3   | 55.2   | 55.9   |
| 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):**

|       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   | 285°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 |
| 2.5°  | 3385.0 | 3468.5 | 3601.7 | 3703.6 | 3806.2 | 3905.0 | 4011.8 | 4093.4 | 4162.8 | 4189.8 | 4272.0 |
| 5°    | 2722.0 | 2826.4 | 2952.2 | 3179.3 | 3340.2 | 3517.6 | 3722.6 | 3994.0 | 4098.4 | 4242.6 | 4479.0 |
| 7.5°  | 1924.6 | 2019.1 | 2221.6 | 2405.3 | 2633.0 | 2884.1 | 3160.9 | 3535.4 | 3672.3 | 3903.8 | 4288.7 |
| 10°   | 1437.1 | 1547.0 | 1709.7 | 1864.4 | 2065.1 | 2321.8 | 2639.7 | 3058.4 | 3224.8 | 3475.9 | 3919.1 |
| 12.5° | 1157.8 | 1287.4 | 1459.9 | 1605.3 | 1760.7 | 1941.8 | 2250.5 | 2709.7 | 2932.6 | 3152.3 | 3600.5 |
| 15°   | 889.6  | 1025.2 | 1185.4 | 1370.2 | 1541.5 | 1736.7 | 2060.2 | 2562.4 | 2819.0 | 3048.0 | 3430.5 |
| 17.5° | 615.7  | 731.7  | 933.7  | 1126.5 | 1345.7 | 1595.5 | 2007.4 | 2593.7 | 2900.1 | 3164.0 | 3459.9 |
| 20°   | 436.5  | 502.8  | 668.5  | 892.0  | 1165.1 | 1478.9 | 1997.6 | 2758.2 | 3156.6 | 3458.1 | 3649.0 |
| 22.5° | 367.1  | 391.7  | 488.0  | 693.0  | 1008.6 | 1391.7 | 2032.0 | 2989.1 | 3502.9 | 3887.8 | 3950.4 |
| 25°   | 334.6  | 349.3  | 399.7  | 543.9  | 869.3  | 1328.5 | 2148.0 | 3332.9 | 3931.4 | 4317.6 | 4306.5 |
| 27.5° | 316.8  | 332.2  | 365.3  | 459.2  | 764.3  | 1289.2 | 2264.1 | 3740.4 | 4421.3 | 4784.1 | 4646.5 |
| 30°   | 311.3  | 332.2  | 367.1  | 432.8  | 689.4  | 1227.1 | 2359.2 | 4098.4 | 4798.3 | 5099.0 | 4801.3 |
| 32.5° | 307.0  | 310.1  | 326.0  | 373.3  | 618.2  | 1154.7 | 2423.7 | 4419.5 | 5167.1 | 5398.6 | 5024.1 |
| 35°   | 248.0  | 263.4  | 289.2  | 334.6  | 576.4  | 1111.1 | 2423.7 | 4696.3 | 5530.6 | 5701.2 | 5236.5 |
| 37.5° | 238.8  | 252.4  | 275.1  | 313.7  | 553.1  | 1089.6 | 2375.2 | 4963.4 | 5902.0 | 6044.4 | 5411.5 |
| 40°   | 233.8  | 244.9  | 266.5  | 297.8  | 543.3  | 1065.1 | 2304.6 | 5199.0 | 6264.8 | 6388.2 | 5574.8 |
| 42.5° | 230.2  | 240.0  | 260.3  | 288.0  | 530.4  | 1038.1 | 2247.4 | 5388.2 | 6579.7 | 6681.6 | 5730.7 |
| 45°   | 228.3  | 238.8  | 261.0  | 292.9  | 504.6  | 1002.5 | 2228.4 | 5592.6 | 6838.8 | 6926.6 | 5899.6 |
| 47.5° | 228.3  | 240.6  | 264.0  | 303.3  | 473.9  | 965.7  | 2288.0 | 5862.1 | 7083.7 | 7126.7 | 6098.4 |
| 50°   | 226.5  | 240.0  | 272.6  | 292.9  | 429.1  | 919.0  | 2428.0 | 6201.5 | 7349.0 | 7353.9 | 6350.2 |
| 52.5° | 222.8  | 238.8  | 293.5  | 286.7  | 377.6  | 857.6  | 2617.0 | 6637.4 | 7741.2 | 7770.6 | 6744.2 |
| 55°   | 218.5  | 236.9  | 288.0  | 272.6  | 335.2  | 784.6  | 2771.8 | 7167.2 | 8292.4 | 8374.2 | 7323.8 |
| 57.5° | 213.0  | 234.5  | 278.8  | 253.0  | 307.6  | 690.6  | 2827.6 | 7555.2 | 8677.4 | 8882.5 | 7977.0 |
| 60°   | 208.1  | 232.6  | 251.7  | 241.2  | 290.4  | 611.4  | 2719.5 | 7478.5 | 8651.0 | 9093.0 | 8555.9 |
| 62.5° | 203.2  | 234.5  | 229.6  | 233.8  | 282.4  | 560.5  | 2437.2 | 6864.0 | 8213.3 | 8875.7 | 8985.0 |
| 65°   | 197.6  | 217.9  | 216.7  | 227.7  | 280.6  | 540.2  | 2020.3 | 5942.5 | 7367.4 | 8188.7 | 9086.3 |
| 67.5° | 190.3  | 201.3  | 207.5  | 219.7  | 286.7  | 522.4  | 1630.5 | 4902.0 | 6191.7 | 7159.2 | 8558.3 |
| 70°   | 182.3  | 191.5  | 198.2  | 209.9  | 283.1  | 514.4  | 1356.1 | 3865.7 | 4913.0 | 5867.6 | 7516.5 |
| 72.5° | 171.9  | 179.8  | 186.0  | 197.0  | 279.4  | 510.1  | 1145.5 | 3113.0 | 3668.0 | 4358.7 | 6111.3 |
| 75°   | 159.6  | 166.9  | 171.2  | 182.3  | 267.7  | 467.2  | 900.6  | 2634.2 | 2744.7 | 3032.0 | 4867.6 |
| 77.5° | 145.5  | 151.0  | 154.7  | 166.9  | 236.9  | 388.6  | 651.3  | 2032.0 | 2131.4 | 2201.4 | 3731.8 |
| 80°   | 128.9  | 134.4  | 136.3  | 147.9  | 196.4  | 303.9  | 424.8  | 1501.0 | 1594.3 | 1610.2 | 2437.2 |
| 82.5° | 109.9  | 115.4  | 115.4  | 126.4  | 160.8  | 218.5  | 278.8  | 1028.3 | 1046.7 | 1100.7 | 1722.5 |
| 85°   | 88.4   | 92.7   | 92.7   | 98.2   | 124.6  | 163.3  | 191.5  | 516.3  | 510.8  | 583.2  | 1492.4 |
| 87.5° | 63.2   | 66.3   | 69.4   | 70.6   | 89.0   | 108.0  | 115.4  | 157.1  | 103.7  | 119.1  | 958.3  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P200168

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**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 | 3773.1 |
| 2.5°  | 4334.1 | 4369.1 | 4333.5 | 4307.7 | 4196.6 | 4105.1 | 3983.0 | 3920.4 |
| 5°    | 4658.8 | 4747.8 | 4717.7 | 4609.7 | 4377.7 | 4116.8 | 3820.3 | 3686.4 |
| 7.5°  | 4619.5 | 4826.5 | 4831.4 | 4629.4 | 4287.5 | 3903.2 | 3501.7 | 3311.4 |
| 10°   | 4313.9 | 4578.4 | 4653.9 | 4458.1 | 4095.3 | 3665.5 | 3205.1 | 2987.8 |
| 12.5° | 3972.5 | 4231.5 | 4289.3 | 4221.7 | 3918.5 | 3486.9 | 3019.8 | 2806.8 |
| 15°   | 3693.2 | 3809.3 | 3878.0 | 3936.9 | 3766.8 | 3415.7 | 3009.3 | 2775.5 |
| 17.5° | 3523.1 | 3510.3 | 3529.9 | 3632.4 | 3661.2 | 3497.4 | 3168.9 | 2911.1 |
| 20°   | 3461.8 | 3264.6 | 3259.7 | 3401.0 | 3611.5 | 3691.9 | 3480.8 | 3171.4 |
| 22.5° | 3495.5 | 3176.3 | 3135.8 | 3303.4 | 3637.9 | 3972.5 | 3889.7 | 3536.6 |
| 25°   | 3612.1 | 3183.6 | 3151.1 | 3313.2 | 3733.7 | 4271.4 | 4331.1 | 4009.4 |
| 27.5° | 3795.8 | 3230.3 | 3187.3 | 3353.7 | 3860.8 | 4522.6 | 4765.6 | 4467.3 |
| 30°   | 3970.1 | 3311.4 | 3257.9 | 3433.5 | 3976.8 | 4622.0 | 5032.1 | 4824.6 |
| 32.5° | 4181.8 | 3463.0 | 3369.1 | 3580.2 | 4120.4 | 4780.5 | 5269.6 | 5120.5 |
| 35°   | 4389.4 | 3679.0 | 3562.4 | 3806.8 | 4280.7 | 4977.5 | 5541.0 | 5498.7 |
| 37.5° | 4617.1 | 3961.5 | 3865.1 | 4099.6 | 4499.9 | 5163.4 | 5887.3 | 5941.9 |
| 40°   | 4860.2 | 4336.0 | 4221.7 | 4526.9 | 4840.0 | 5396.8 | 6248.8 | 6380.2 |
| 42.5° | 5105.1 | 4751.5 | 4615.2 | 4924.7 | 5213.8 | 5626.9 | 6558.2 | 6752.8 |
| 45°   | 5385.7 | 5202.7 | 5138.3 | 5472.9 | 5572.9 | 5846.2 | 6786.7 | 7028.5 |
| 47.5° | 5712.3 | 5714.7 | 5818.5 | 5952.3 | 5935.2 | 6094.1 | 7016.2 | 7274.6 |
| 50°   | 6093.5 | 6353.9 | 6582.8 | 6671.8 | 6308.4 | 6360.6 | 7334.9 | 7604.3 |
| 52.5° | 6551.5 | 7118.1 | 7401.8 | 7343.5 | 6710.5 | 6685.9 | 7839.5 | 8058.6 |
| 55°   | 7124.2 | 7927.3 | 8209.0 | 8167.2 | 7172.7 | 7129.1 | 8468.1 | 8595.8 |
| 57.5° | 7787.2 | 8711.1 | 8970.3 | 8782.3 | 7727.7 | 7615.4 | 8988.1 | 9015.1 |
| 60°   | 8369.9 | 9332.5 | 9559.6 | 9351.5 | 8287.5 | 8132.9 | 9312.8 | 9182.0 |
| 62.5° | 8694.0 | 9543.0 | 9702.6 | 9478.6 | 8671.2 | 8684.1 | 9384.0 | 9091.8 |
| 65°   | 8549.1 | 9010.8 | 9062.3 | 9043.9 | 8572.4 | 9004.0 | 9128.0 | 8674.9 |
| 67.5° | 7755.9 | 7665.1 | 7751.6 | 7871.4 | 7725.2 | 8582.9 | 8419.0 | 7767.0 |
| 70°   | 6358.8 | 5859.7 | 6032.1 | 6112.5 | 6178.8 | 7385.8 | 7307.2 | 6326.2 |
| 72.5° | 4792.1 | 4105.1 | 4241.4 | 4224.8 | 4531.8 | 5924.1 | 5682.8 | 4651.5 |
| 75°   | 3395.5 | 2783.4 | 2800.6 | 2793.9 | 3162.1 | 4634.9 | 4114.9 | 3182.4 |
| 77.5° | 2375.8 | 2016.6 | 2025.9 | 2063.9 | 2125.9 | 3495.5 | 2940.0 | 2324.9 |
| 80°   | 1633.6 | 1530.4 | 1581.4 | 1584.4 | 1473.4 | 2348.2 | 2171.9 | 1865.7 |
| 82.5° | 1216.7 | 1063.9 | 1051.6 | 1069.4 | 1154.7 | 1902.5 | 1669.1 | 1294.1 |
| 85°   | 996.4  | 629.8  | 506.5  | 634.7  | 1023.4 | 1884.1 | 1108.7 | 682.6  |
| 87.5° | 561.1  | 299.0  | 135.0  | 250.4  | 408.3  | 1247.4 | 320.5  | 87.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)