

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: McGRAW-EDISON

Report Number: P588459

Luminaire Tested: **GAT-CA6-LED-50-750-U-33-5-6-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588459  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GAT-CA6-LED-50-750-U-33-5-6-X  
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR  
Light Source: (6) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5327 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

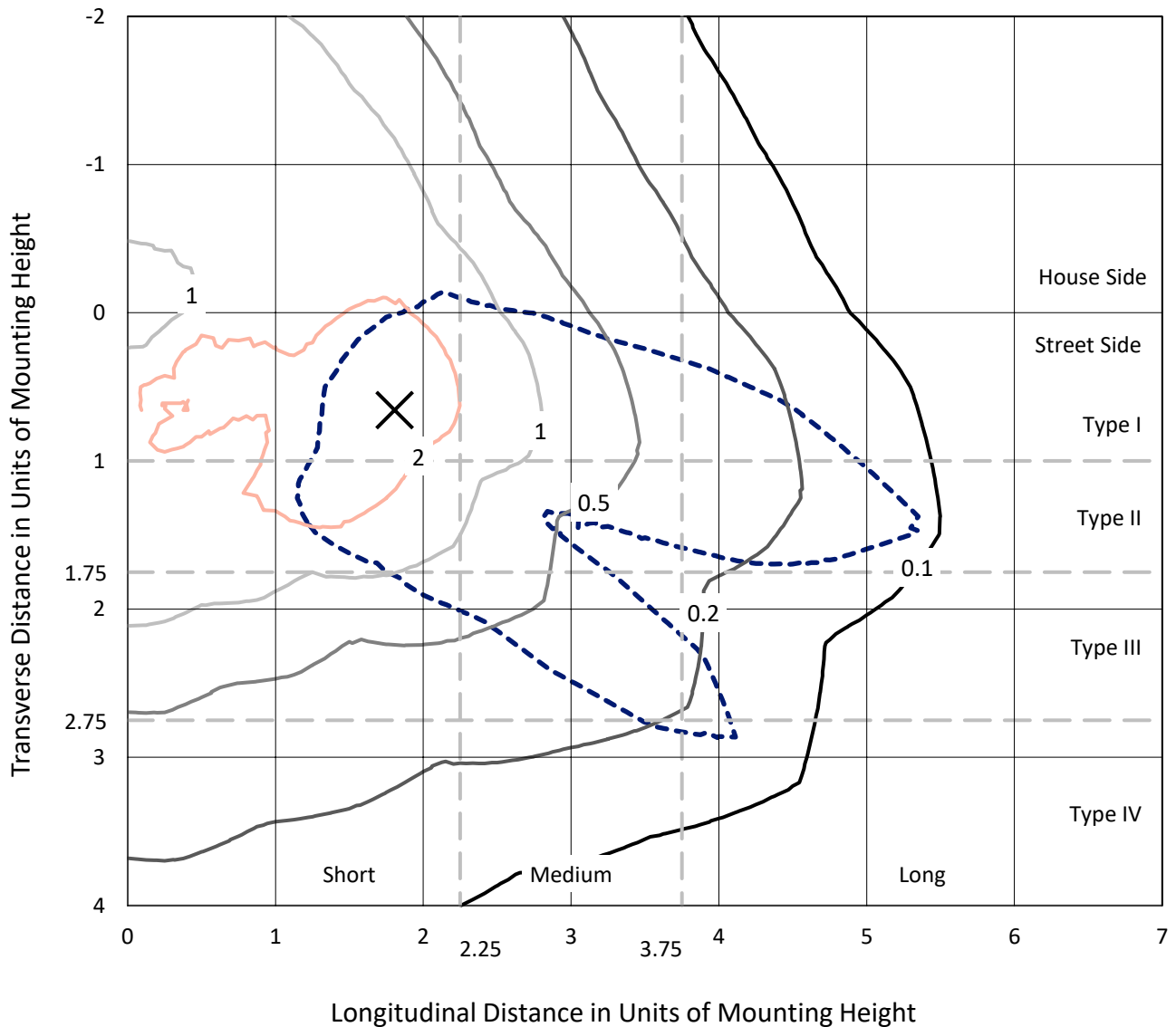
Input Watts (W): 54  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

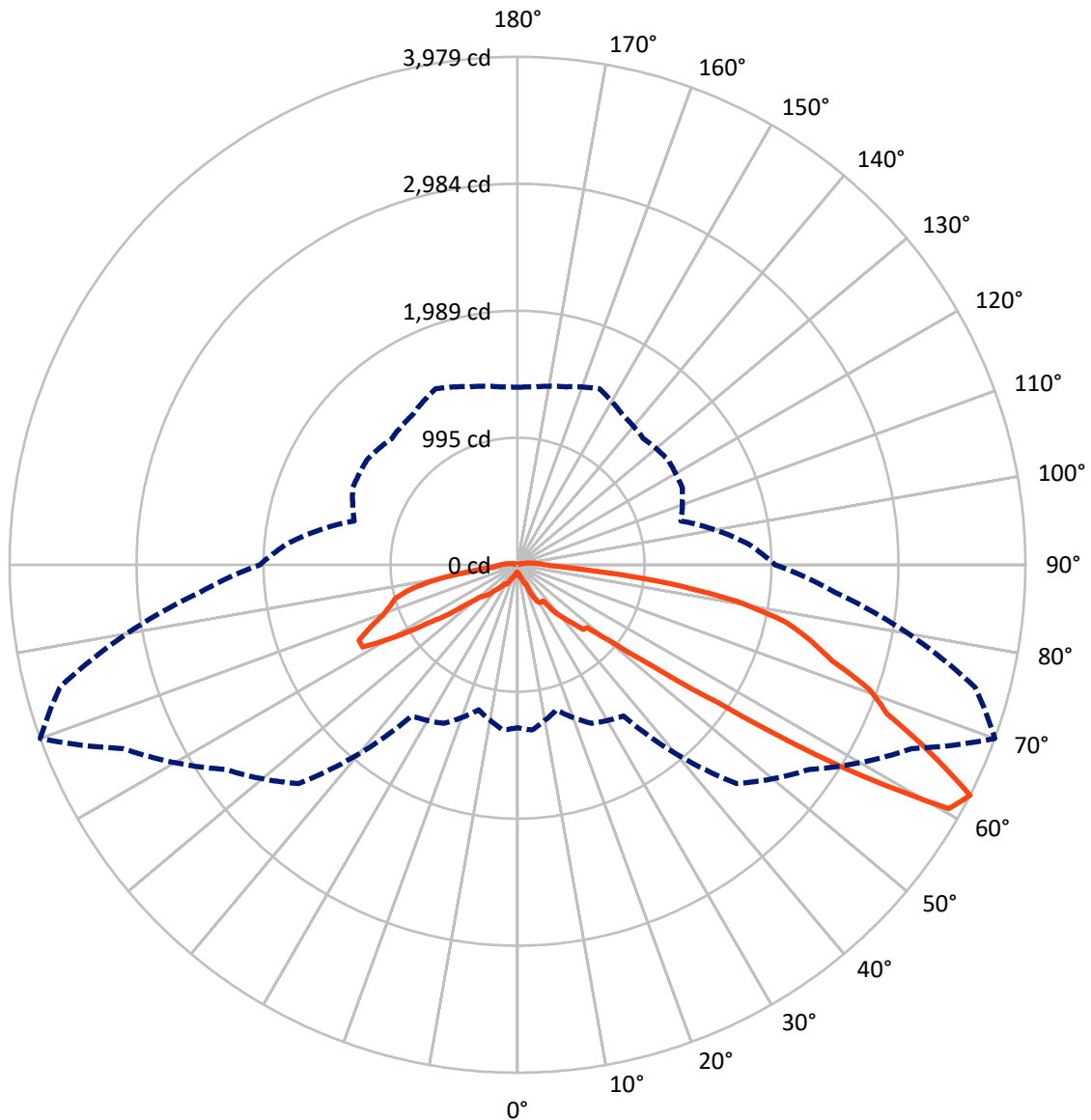
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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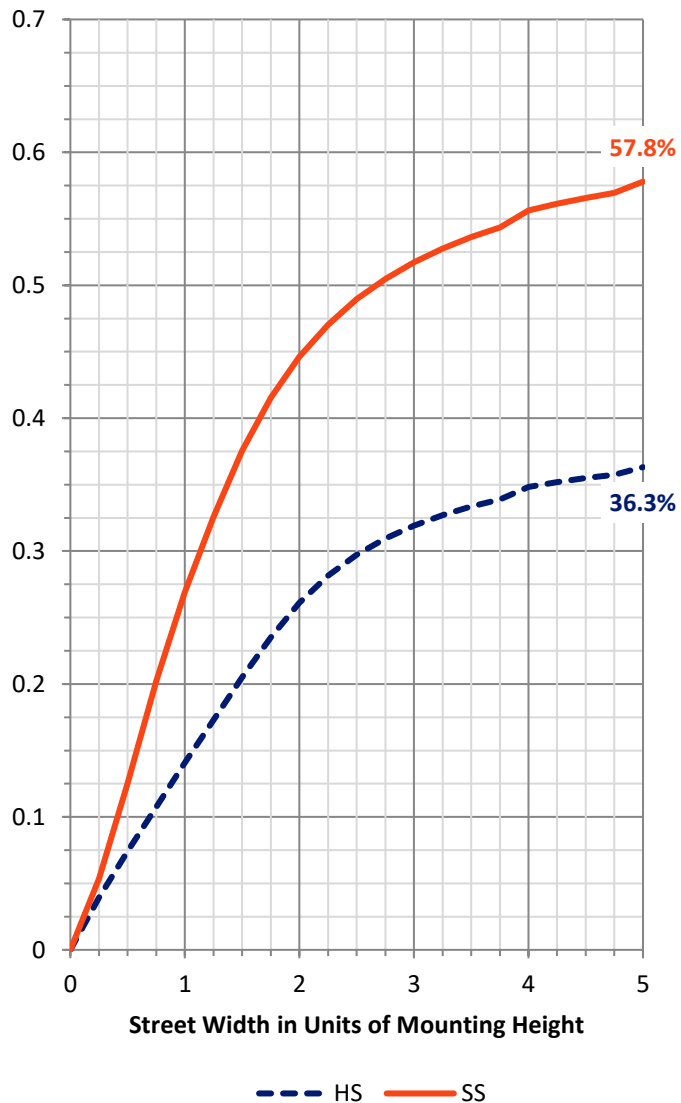
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1974.3   | 72.4   | 2046.7 |
|                    | % Fixture | 37.1     | 1.4    | 38.4   |
| <b>Street Side</b> | Lumens    | 3180.9   | 99.5   | 3280.3 |
|                    | % Fixture | 59.7     | 1.9    | 61.6   |
| <b>Total</b>       | Lumens    | 5155.2   | 171.8  | 5327.0 |
|                    | % Fixture | 96.8     | 3.2    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 6.7    | 0.1       |
| 10°-20°   | 29.0   | 0.5       |
| 20°-30°   | 89.9   | 1.7       |
| 30°-40°   | 192.7  | 3.6       |
| 40°-50°   | 361.1  | 6.8       |
| 50°-60°   | 937.0  | 17.6      |
| 60°-70°   | 1716.4 | 32.2      |
| 70°-80°   | 1376.7 | 25.8      |
| 80°-90°   | 445.8  | 8.4       |
| 90°-100°  | 117.5  | 2.2       |
| 100°-110° | 38.2   | 0.7       |
| 110°-120° | 15.0   | 0.3       |
| 120°-130° | 1.2    | 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°    | 5155.2 | 96.8      |
| 0°-180°   | 5327.0 | 100.0     |

**Coefficient of Utilization**



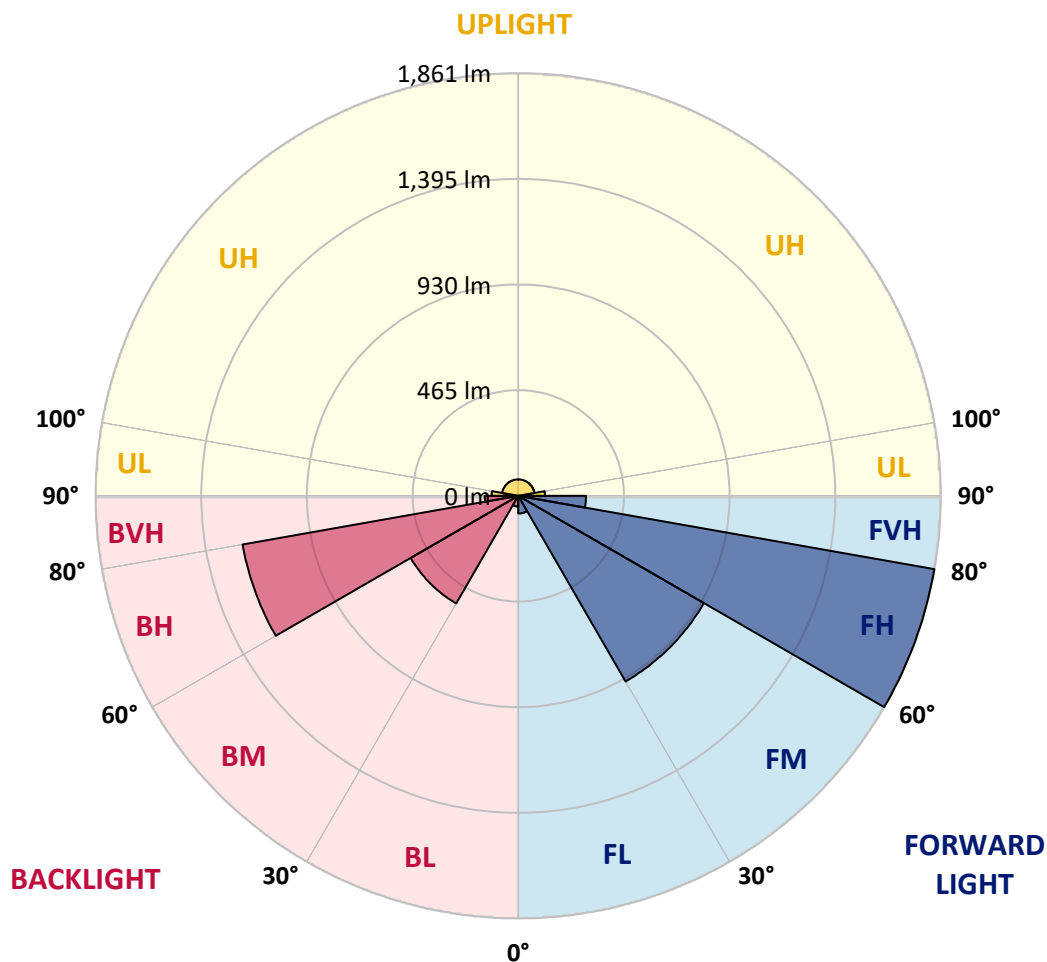
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|----------------|--------|-----------|-------------------------|--------|---------|
|                |        |           | B                       | U      | G       |
| FL (0°-30°)    | 78.2   | 1.5       |                         |        |         |
| FM (30°-60°)   | 943.9  | 17.7      |                         |        |         |
| FH (60°-80°)   | 1860.6 | 34.9      |                         |        | G2/5000 |
| FVH (80°-90°)  | 298.2  | 5.6       |                         |        | G3/500  |
| BL (0°-30°)    | 47.4   | 0.9       | B0/110                  |        |         |
| BM (30°-60°)   | 546.9  | 10.3      | B1/1000                 |        |         |
| BH (60°-80°)   | 1232.5 | 23.1      | B3/2500                 |        | G3/2500 |
| BVH (80°-90°)  | 147.5  | 2.8       |                         |        | G2/225  |
| UL (90°-100°)  | 117.5  | 2.2       |                         | U3/500 |         |
| UH (100°-180°) | 72.4   | 1.4       |                         | U3/500 |         |

**BUG Rating: B3-U3-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 70°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   |
| 2.5°   | 68.2   | 68.2   | 68.2   | 67.2   | 66.2   | 65.2   | 64.2   | 64.2   | 63.1   | 62.1   | 61.1   |
| 5°     | 74.3   | 73.3   | 72.3   | 70.3   | 69.2   | 69.2   | 68.2   | 68.2   | 68.2   | 67.2   | 66.2   |
| 7.5°   | 82.5   | 82.5   | 81.5   | 80.4   | 79.4   | 78.4   | 77.4   | 76.4   | 76.4   | 75.4   | 74.3   |
| 10°    | 93.7   | 93.7   | 93.7   | 92.7   | 92.7   | 91.7   | 89.6   | 88.6   | 86.6   | 85.5   | 82.5   |
| 12.5°  | 104.9  | 105.9  | 103.9  | 103.9  | 103.9  | 102.9  | 100.8  | 99.8   | 97.8   | 95.7   | 91.7   |
| 15°    | 116.1  | 115.1  | 114.1  | 113.0  | 115.1  | 115.1  | 114.1  | 114.1  | 110.0  | 106.9  | 99.8   |
| 17.5°  | 126.3  | 126.3  | 127.3  | 127.3  | 130.3  | 129.3  | 129.3  | 128.3  | 126.3  | 121.2  | 112.0  |
| 20°    | 142.6  | 143.6  | 143.6  | 143.6  | 153.8  | 157.8  | 158.9  | 159.9  | 156.8  | 146.6  | 128.3  |
| 22.5°  | 158.9  | 159.9  | 167.0  | 165.0  | 165.0  | 165.0  | 175.2  | 170.1  | 156.8  | 144.6  | 134.4  |
| 25°    | 214.9  | 217.9  | 220.0  | 227.1  | 235.2  | 257.6  | 293.3  | 282.1  | 261.7  | 220.0  | 185.3  |
| 27.5°  | 268.8  | 272.9  | 309.6  | 360.5  | 367.6  | 341.1  | 366.6  | 333.0  | 322.8  | 280.0  | 251.5  |
| 30°    | 293.3  | 300.4  | 363.6  | 398.2  | 410.4  | 375.8  | 412.4  | 348.3  | 345.2  | 314.7  | 290.2  |
| 32.5°  | 299.4  | 304.5  | 373.7  | 377.8  | 380.9  | 376.8  | 431.8  | 353.4  | 346.2  | 315.7  | 280.0  |
| 35°    | 290.2  | 296.3  | 343.2  | 319.8  | 320.8  | 393.1  | 495.9  | 380.9  | 348.3  | 295.3  | 255.6  |
| 37.5°  | 357.4  | 357.4  | 397.2  | 403.3  | 429.7  | 517.3  | 649.7  | 503.1  | 466.4  | 384.9  | 336.1  |
| 40°    | 407.3  | 412.4  | 475.6  | 499.0  | 503.1  | 577.4  | 813.7  | 589.6  | 537.7  | 430.8  | 393.1  |
| 42.5°  | 474.6  | 473.5  | 531.6  | 547.9  | 559.1  | 586.6  | 832.0  | 678.2  | 617.1  | 487.8  | 459.3  |
| 45°    | 485.8  | 502.0  | 555.0  | 536.7  | 550.9  | 621.2  | 868.7  | 803.5  | 722.0  | 595.7  | 536.7  |
| 47.5°  | 440.9  | 463.4  | 570.3  | 555.0  | 498.0  | 530.6  | 696.6  | 824.9  | 735.3  | 612.0  | 570.3  |
| 50°    | 475.6  | 487.8  | 540.7  | 530.6  | 454.2  | 564.2  | 764.8  | 1033.6 | 933.8  | 728.1  | 621.2  |
| 52.5°  | 615.1  | 641.6  | 650.7  | 690.4  | 653.8  | 844.2  | 1070.3 | 1309.6 | 1296.4 | 1054.0 | 819.8  |
| 55°    | 790.2  | 828.9  | 869.7  | 1020.4 | 1041.8 | 1325.9 | 1493.9 | 1749.5 | 1908.4 | 1667.0 | 1257.7 |
| 57.5°  | 979.7  | 1034.6 | 1021.4 | 1240.4 | 1274.0 | 1796.4 | 1951.2 | 2550.0 | 2974.6 | 2646.7 | 1842.2 |
| 60°    | 1163.0 | 1199.6 | 1125.3 | 1317.7 | 1381.9 | 2261.8 | 2488.9 | 3320.8 | 3879.9 | 3530.6 | 2268.9 |
| 62.5°  | 1276.0 | 1299.4 | 1177.2 | 1370.7 | 1446.1 | 2423.7 | 2793.3 | 3407.4 | 3978.7 | 3712.9 | 2500.1 |
| 65°    | 1275.0 | 1268.9 | 1129.4 | 1297.4 | 1287.2 | 2237.3 | 2699.7 | 2863.6 | 3554.1 | 3509.2 | 2529.6 |
| 67.5°  | 1225.1 | 1227.1 | 1080.5 | 1213.9 | 1172.1 | 1972.5 | 2501.1 | 2422.7 | 3124.3 | 3184.4 | 2460.3 |
| 70°    | 1177.2 | 1201.7 | 1062.1 | 1178.2 | 1158.9 | 1897.2 | 2414.5 | 2180.3 | 2922.7 | 3036.7 | 2387.0 |
| 72.5°  | 1110.0 | 1133.4 | 1002.1 | 1103.9 | 1111.0 | 1746.5 | 2266.9 | 1903.3 | 2577.5 | 2714.9 | 2139.6 |
| 75°    | 1109.0 | 1138.5 | 1015.3 | 1104.9 | 1116.1 | 1660.9 | 2285.2 | 1807.6 | 2370.7 | 2555.0 | 1997.0 |
| 77.5°  | 1045.8 | 1072.3 | 958.3  | 1041.8 | 1073.3 | 1503.1 | 2180.3 | 1688.4 | 2141.6 | 2348.3 | 1810.6 |
| 80°    | 840.1  | 875.8  | 782.1  | 837.1  | 854.4  | 1127.3 | 1748.5 | 1382.9 | 1742.4 | 1949.1 | 1479.7 |
| 82.5°  | 574.4  | 606.9  | 544.8  | 585.6  | 608.0  | 739.3  | 1208.8 | 995.9  | 1184.3 | 1310.6 | 926.7  |
| 85°    | 332.0  | 370.7  | 334.0  | 328.9  | 340.1  | 390.0  | 650.7  | 529.5  | 550.9  | 579.4  | 411.4  |
| 87.5°  | 208.8  | 214.9  | 196.5  | 197.6  | 199.6  | 213.9  | 296.3  | 236.3  | 260.7  | 295.3  | 249.5  |
| 90°    | 166.0  | 172.1  | 158.9  | 159.9  | 156.8  | 170.1  | 222.0  | 180.2  | 200.6  | 231.2  | 197.6  |
| 92.5°  | 143.6  | 147.7  | 138.5  | 140.5  | 138.5  | 148.7  | 185.3  | 148.7  | 165.0  | 189.4  | 161.9  |
| 95°    | 122.2  | 125.3  | 120.2  | 121.2  | 115.1  | 121.2  | 144.6  | 113.0  | 125.3  | 142.6  | 121.2  |
| 97.5°  | 97.8   | 100.8  | 97.8   | 97.8   | 91.7   | 94.7   | 111.0  | 87.6   | 95.7   | 106.9  | 91.7   |
| 100°   | 77.4   | 78.4   | 77.4   | 76.4   | 71.3   | 71.3   | 77.4   | 63.1   | 66.2   | 73.3   | 63.1   |
| 102.5° | 59.1   | 60.1   | 59.1   | 58.0   | 51.9   | 48.9   | 48.9   | 40.7   | 42.8   | 44.8   | 39.7   |
| 105°   | 46.8   | 47.9   | 46.8   | 44.8   | 39.7   | 36.7   | 35.6   | 29.5   | 29.5   | 30.6   | 27.5   |
| 107.5° | 38.7   | 38.7   | 38.7   | 36.7   | 33.6   | 29.5   | 26.5   | 21.4   | 21.4   | 22.4   | 21.4   |
| 110°   | 31.6   | 31.6   | 30.6   | 29.5   | 26.5   | 23.4   | 20.4   | 17.3   | 17.3   | 17.3   | 16.3   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 70°  | 75°  | 85°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 26.5 | 26.5 | 25.5 | 24.4 | 21.4 | 18.3 | 16.3 | 14.3 | 14.3 | 14.3 | 13.2 |
| 115°   | 22.4 | 22.4 | 21.4 | 20.4 | 18.3 | 15.3 | 13.2 | 11.2 | 11.2 | 11.2 | 11.2 |
| 117.5° | 19.3 | 19.3 | 18.3 | 17.3 | 15.3 | 13.2 | 11.2 | 9.2  | 9.2  | 9.2  | 9.2  |
| 120°   | 17.3 | 16.3 | 15.3 | 14.3 | 12.2 | 11.2 | 9.2  | 8.1  | 8.1  | 8.1  | 7.1  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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°     | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   | 63.1   |
| 2.5°   | 61.1   | 61.1   | 60.1   | 60.1   | 60.1   | 59.1   | 59.1   | 60.1   | 60.1   | 60.1   | 60.1   |
| 5°     | 65.2   | 64.2   | 62.1   | 60.1   | 59.1   | 58.0   | 57.0   | 57.0   | 59.1   | 59.1   | 59.1   |
| 7.5°   | 73.3   | 72.3   | 69.2   | 67.2   | 65.2   | 63.1   | 62.1   | 61.1   | 62.1   | 63.1   | 63.1   |
| 10°    | 81.5   | 80.4   | 76.4   | 73.3   | 72.3   | 70.3   | 69.2   | 68.2   | 69.2   | 69.2   | 69.2   |
| 12.5°  | 89.6   | 87.6   | 84.5   | 80.4   | 78.4   | 77.4   | 76.4   | 75.4   | 75.4   | 75.4   | 75.4   |
| 15°    | 96.7   | 93.7   | 90.6   | 87.6   | 85.5   | 83.5   | 82.5   | 81.5   | 82.5   | 83.5   | 83.5   |
| 17.5°  | 107.9  | 104.9  | 97.8   | 92.7   | 91.7   | 89.6   | 88.6   | 88.6   | 89.6   | 90.6   | 90.6   |
| 20°    | 120.2  | 114.1  | 105.9  | 100.8  | 99.8   | 96.7   | 95.7   | 95.7   | 96.7   | 97.8   | 97.8   |
| 22.5°  | 130.3  | 126.3  | 114.1  | 106.9  | 105.9  | 104.9  | 105.9  | 105.9  | 106.9  | 107.9  | 107.9  |
| 25°    | 166.0  | 149.7  | 132.4  | 127.3  | 126.3  | 124.2  | 122.2  | 121.2  | 122.2  | 125.3  | 126.3  |
| 27.5°  | 224.0  | 194.5  | 161.9  | 150.7  | 150.7  | 152.8  | 156.8  | 158.9  | 154.8  | 152.8  | 153.8  |
| 30°    | 262.7  | 223.0  | 176.2  | 166.0  | 168.0  | 178.2  | 187.4  | 193.5  | 189.4  | 186.4  | 187.4  |
| 32.5°  | 252.6  | 215.9  | 182.3  | 180.2  | 186.4  | 194.5  | 199.6  | 202.7  | 210.8  | 213.9  | 217.9  |
| 35°    | 230.1  | 202.7  | 184.3  | 192.5  | 196.5  | 196.5  | 196.5  | 196.5  | 211.8  | 226.1  | 230.1  |
| 37.5°  | 281.1  | 234.2  | 218.9  | 222.0  | 218.9  | 215.9  | 218.9  | 227.1  | 240.3  | 251.5  | 254.6  |
| 40°    | 329.9  | 270.9  | 245.4  | 243.4  | 242.4  | 252.6  | 270.9  | 285.1  | 289.2  | 279.0  | 281.1  |
| 42.5°  | 383.9  | 306.5  | 273.9  | 277.0  | 285.1  | 301.4  | 321.8  | 321.8  | 321.8  | 312.6  | 315.7  |
| 45°    | 434.8  | 348.3  | 328.9  | 337.1  | 337.1  | 345.2  | 356.4  | 349.3  | 358.5  | 362.5  | 367.6  |
| 47.5°  | 494.9  | 404.3  | 361.5  | 354.4  | 355.4  | 371.7  | 375.8  | 372.7  | 378.8  | 371.7  | 371.7  |
| 50°    | 513.2  | 413.5  | 379.8  | 407.3  | 407.3  | 389.0  | 373.7  | 375.8  | 393.1  | 412.4  | 416.5  |
| 52.5°  | 652.8  | 512.2  | 481.7  | 510.2  | 522.4  | 490.8  | 490.8  | 494.9  | 499.0  | 513.2  | 517.3  |
| 55°    | 976.6  | 730.2  | 638.5  | 704.7  | 713.9  | 733.2  | 786.2  | 778.0  | 731.2  | 707.8  | 705.7  |
| 57.5°  | 1460.3 | 1083.5 | 795.3  | 889.0  | 948.1  | 1027.5 | 1067.2 | 1043.8 | 980.7  | 959.3  | 935.9  |
| 60°    | 1866.6 | 1483.7 | 1030.6 | 1193.5 | 1282.1 | 1295.3 | 1281.1 | 1283.1 | 1235.3 | 1250.5 | 1244.4 |
| 62.5°  | 2017.4 | 1820.8 | 1324.9 | 1423.7 | 1436.9 | 1396.2 | 1433.8 | 1520.4 | 1443.0 | 1397.2 | 1390.1 |
| 65°    | 2062.2 | 1946.1 | 1407.4 | 1343.2 | 1331.0 | 1323.9 | 1472.5 | 1617.1 | 1444.0 | 1337.1 | 1336.1 |
| 67.5°  | 2017.4 | 1817.8 | 1302.5 | 1196.6 | 1225.1 | 1283.1 | 1476.6 | 1530.6 | 1367.6 | 1249.5 | 1241.4 |
| 70°    | 1959.3 | 1611.0 | 1172.1 | 1080.5 | 1146.7 | 1231.2 | 1354.4 | 1333.0 | 1268.9 | 1164.0 | 1158.9 |
| 72.5°  | 1748.5 | 1396.2 | 1088.6 | 1012.2 | 1087.6 | 1112.0 | 1173.1 | 1164.0 | 1182.3 | 1116.1 | 1113.1 |
| 75°    | 1565.2 | 1282.1 | 1038.7 | 949.1  | 985.8  | 981.7  | 1030.6 | 1041.8 | 1093.7 | 1065.2 | 1054.0 |
| 77.5°  | 1350.3 | 1115.1 | 915.5  | 811.6  | 825.9  | 824.9  | 848.3  | 855.4  | 892.1  | 894.1  | 881.9  |
| 80°    | 1057.1 | 873.7  | 714.9  | 611.0  | 613.0  | 594.7  | 597.8  | 596.8  | 603.9  | 612.0  | 600.8  |
| 82.5°  | 606.9  | 487.8  | 405.3  | 339.1  | 324.9  | 300.4  | 295.3  | 297.4  | 294.3  | 292.3  | 292.3  |
| 85°    | 297.4  | 231.2  | 212.8  | 190.4  | 182.3  | 176.2  | 179.2  | 185.3  | 188.4  | 182.3  | 179.2  |
| 87.5°  | 200.6  | 173.1  | 165.0  | 155.8  | 151.7  | 145.6  | 149.7  | 154.8  | 158.9  | 153.8  | 152.8  |
| 90°    | 158.9  | 137.5  | 135.4  | 133.4  | 130.3  | 125.3  | 129.3  | 135.4  | 138.5  | 134.4  | 132.4  |
| 92.5°  | 128.3  | 111.0  | 111.0  | 110.0  | 106.9  | 102.9  | 107.9  | 113.0  | 116.1  | 113.0  | 112.0  |
| 95°    | 98.8   | 85.5   | 88.6   | 86.6   | 83.5   | 82.5   | 85.5   | 89.6   | 91.7   | 89.6   | 89.6   |
| 97.5°  | 76.4   | 67.2   | 70.3   | 69.2   | 65.2   | 64.2   | 66.2   | 69.2   | 71.3   | 69.2   | 68.2   |
| 100°   | 51.9   | 47.9   | 51.9   | 51.9   | 47.9   | 45.8   | 47.9   | 50.9   | 51.9   | 51.9   | 50.9   |
| 102.5° | 34.6   | 32.6   | 37.7   | 38.7   | 36.7   | 34.6   | 35.6   | 37.7   | 38.7   | 38.7   | 38.7   |
| 105°   | 24.4   | 24.4   | 29.5   | 30.6   | 28.5   | 26.5   | 28.5   | 29.5   | 29.5   | 29.5   | 29.5   |
| 107.5° | 19.3   | 20.4   | 23.4   | 25.5   | 23.4   | 21.4   | 22.4   | 23.4   | 23.4   | 23.4   | 24.4   |
| 110°   | 16.3   | 16.3   | 19.3   | 21.4   | 19.3   | 18.3   | 18.3   | 18.3   | 18.3   | 19.3   | 21.4   |



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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 13.2 | 14.3 | 16.3 | 17.3 | 16.3 | 15.3 | 15.3 | 15.3 | 15.3 | 16.3 | 19.3 |
| 115°   | 11.2 | 12.2 | 14.3 | 14.3 | 13.2 | 13.2 | 13.2 | 12.2 | 12.2 | 13.2 | 18.3 |
| 117.5° | 9.2  | 10.2 | 11.2 | 11.2 | 11.2 | 10.2 | 10.2 | 10.2 | 10.2 | 12.2 | 19.3 |
| 120°   | 8.1  | 8.1  | 9.2  | 9.2  | 8.1  | 8.1  | 8.1  | 8.1  | 7.1  | 10.2 | 15.3 |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)