

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: P14206

Luminaire Tested: **GAT-080-LED-E1-3-GLOW-CAGE-3000**

Issue Date: 6/29/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P14206  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 6/29/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GAT-080-LED-E1-3-GLOW-CAGE-3000  
Description: MCGRAW-EDISON POST TOP WITH A TYPE III PRISMATIC REFRACTOR WITH ARCHITECTURAL CAGE  
Light Source: [6] 3000K LEDS  
Ballast/Driver: [2] ELECTRONIC DRIVERS

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11765.2 lumens  
Efficiency: N/A  
Efficacy: 116.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.08' x H: 2.21')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B3 - U5 - G4

Input Watts (W): 101.3  
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

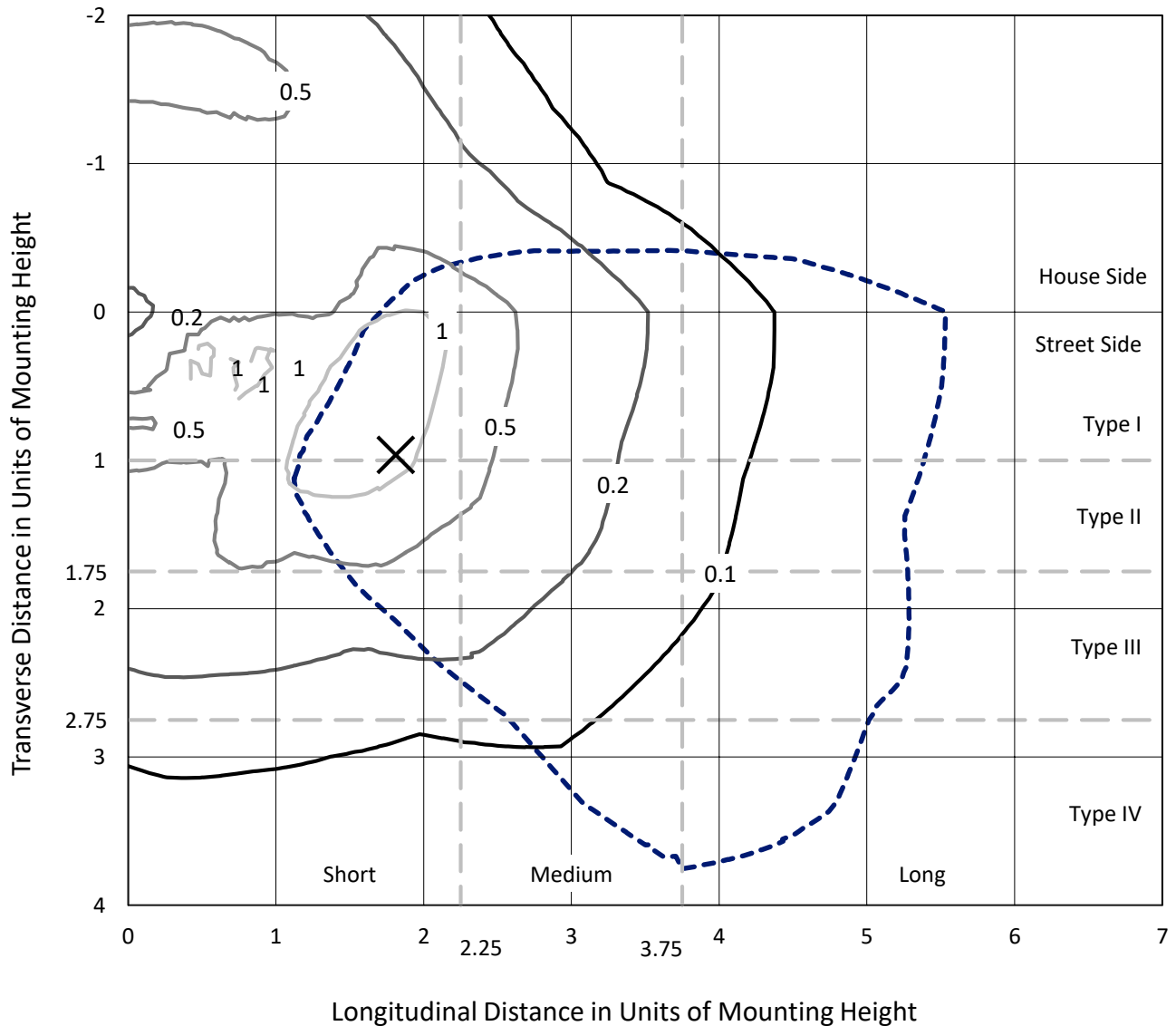


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

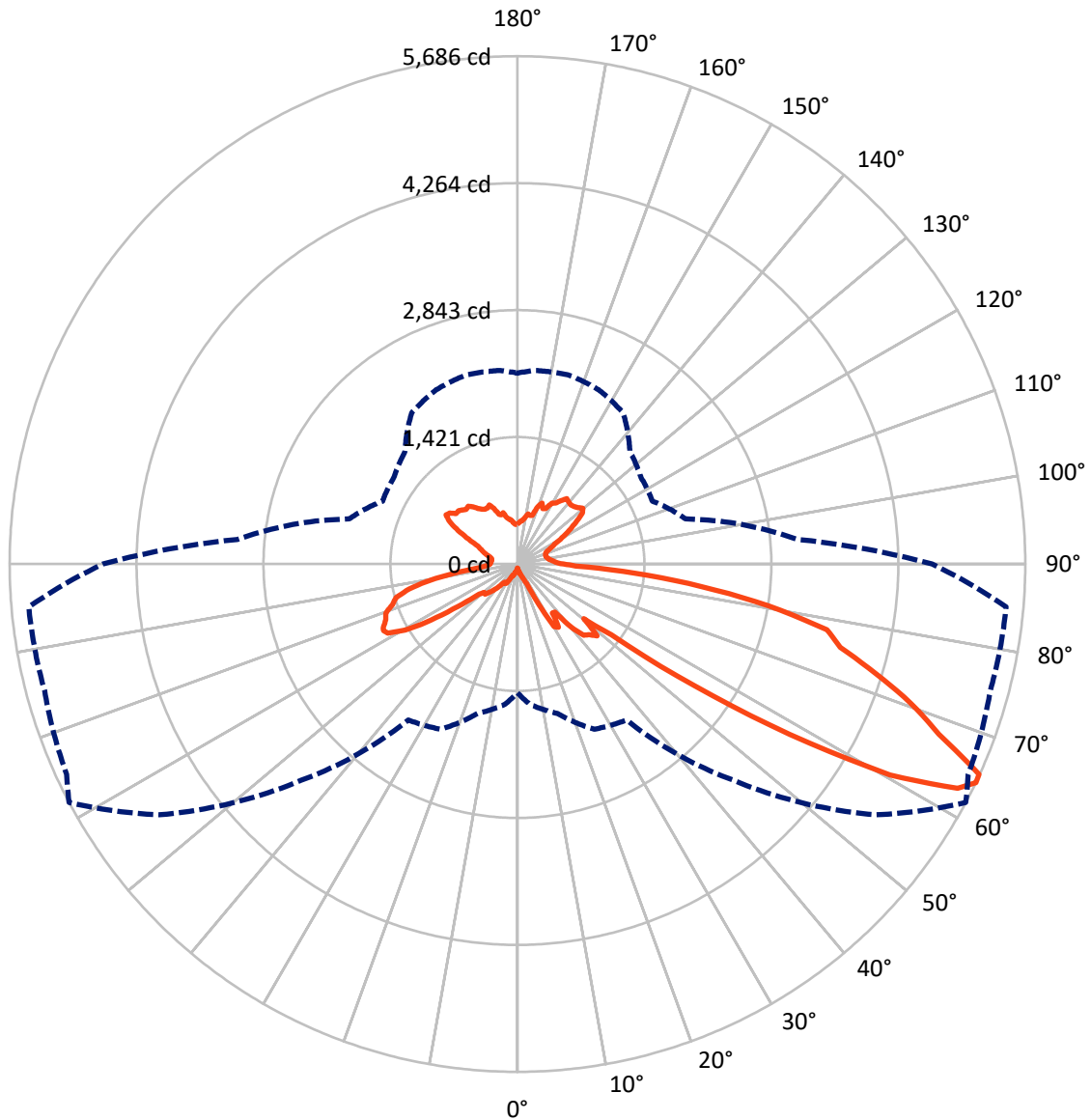


Based on 20 foot mounting height. Maximum calculated value = 1.5 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 62-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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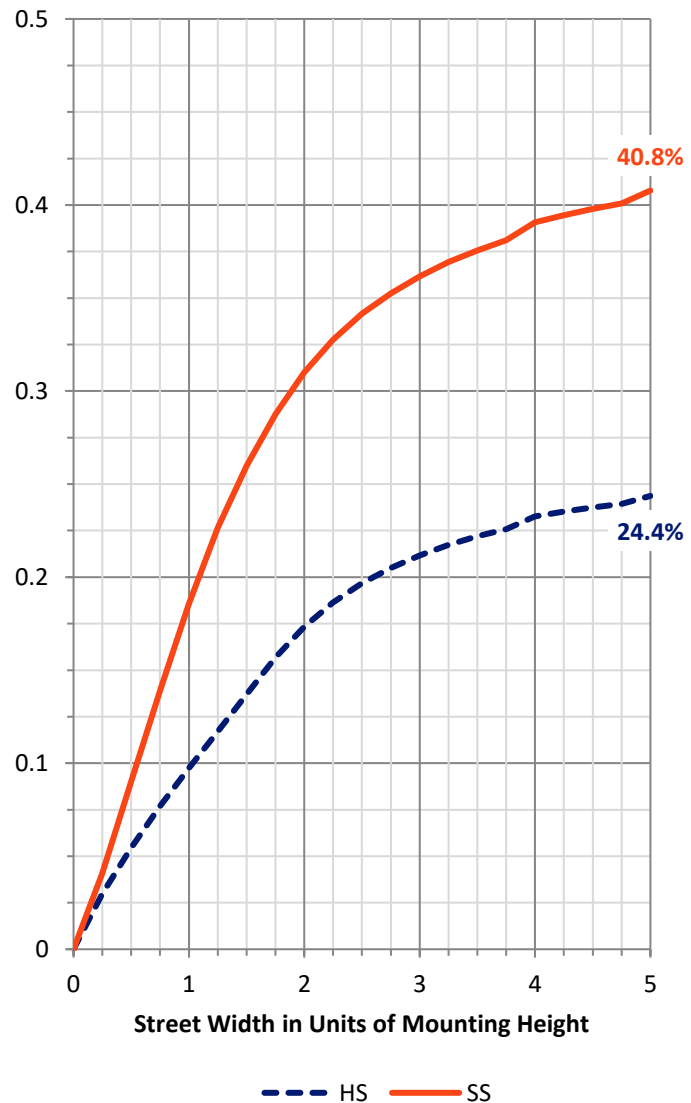
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2970.8   | 1892.5 | 4863.3  |
|                    | % Fixture | 25.3     | 16.1   | 41.3    |
| <b>Street Side</b> | Lumens    | 5013.4   | 1888.4 | 6901.9  |
|                    | % Fixture | 42.6     | 16.1   | 58.7    |
| <b>Total</b>       | Lumens    | 7984.2   | 3780.9 | 11765.2 |
|                    | % Fixture | 67.9     | 32.1   | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 7.0     | 0.1       |
| 10°-20°   | 32.6    | 0.3       |
| 20°-30°   | 106.6   | 0.9       |
| 30°-40°   | 256.6   | 2.2       |
| 40°-50°   | 508.1   | 4.3       |
| 50°-60°   | 1221.6  | 10.4      |
| 60°-70°   | 2672.7  | 22.7      |
| 70°-80°   | 2281.3  | 19.4      |
| 80°-90°   | 897.7   | 7.6       |
| 90°-100°  | 361.2   | 3.1       |
| 100°-110° | 356.3   | 3.0       |
| 110°-120° | 516.0   | 4.4       |
| 120°-130° | 770.8   | 6.6       |
| 130°-140° | 718.2   | 6.1       |
| 140°-150° | 524.1   | 4.5       |
| 150°-160° | 324.2   | 2.8       |
| 160°-170° | 163.7   | 1.4       |
| 170°-180° | 46.6    | 0.4       |
| 0°-90°    | 7984.2  | 67.9      |
| 0°-180°   | 11765.2 | 100.0     |



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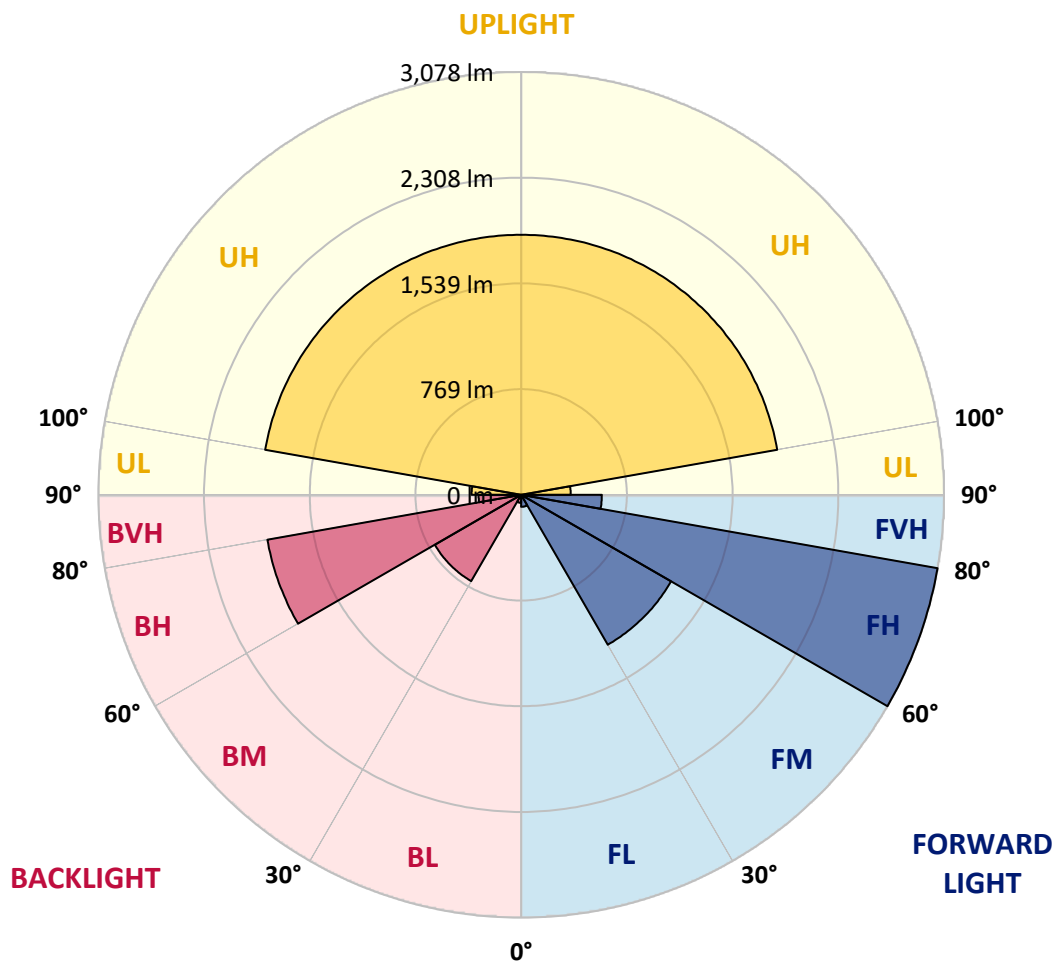
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 87.8   | 0.7       |                         |        |         |
| FM   | (30°-60°)   | 1260.3 | 10.7      |                         |        |         |
| FH   | (60°-80°)   | 3077.9 | 26.2      |                         |        | G2/5000 |
| FVH  | (80°-90°)   | 587.4  | 5.0       |                         |        | G4/750  |
| BL   | (0°-30°)    | 58.4   | 0.5       | B0/110                  |        |         |
| BM   | (30°-60°)   | 726.0  | 6.2       | B1/1000                 |        |         |
| BH   | (60°-80°)   | 1876.1 | 15.9      | B3/2500                 |        | G3/2500 |
| BVH  | (80°-90°)   | 310.3  | 2.6       |                         |        | G3/500  |
| UL   | (90°-100°)  | 361.2  | 3.1       |                         | U3/500 |         |
| UH   | (100°-180°) | 1892.5 | 16.1      |                         | U5     |         |

**BUG Rating: B3-U5-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 62°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   |
| 2.5°   | 56.0   | 54.4   | 59.0   | 56.0   | 54.4   | 53.0   | 54.4   | 54.4   | 53.0   | 54.4   | 56.0   |
| 5°     | 66.6   | 66.6   | 66.6   | 66.6   | 63.5   | 63.5   | 63.5   | 63.5   | 65.1   | 66.6   | 71.1   |
| 7.5°   | 75.7   | 74.1   | 75.7   | 77.2   | 75.7   | 77.2   | 75.7   | 77.2   | 74.1   | 72.7   | 75.7   |
| 10°    | 92.4   | 92.4   | 92.4   | 93.8   | 95.3   | 95.3   | 93.8   | 90.8   | 90.8   | 90.8   | 89.2   |
| 12.5°  | 101.4  | 99.8   | 104.4  | 108.9  | 107.5  | 104.4  | 103.0  | 99.8   | 101.4  | 99.8   | 98.4   |
| 15°    | 113.6  | 113.6  | 116.5  | 118.1  | 124.0  | 122.6  | 116.5  | 116.5  | 115.0  | 112.0  | 110.4  |
| 17.5°  | 122.6  | 124.0  | 127.1  | 134.6  | 143.8  | 145.2  | 137.7  | 133.2  | 130.1  | 125.6  | 119.5  |
| 20°    | 136.2  | 137.7  | 137.7  | 148.4  | 169.4  | 181.6  | 175.5  | 161.9  | 155.8  | 145.2  | 134.6  |
| 22.5°  | 159.0  | 157.4  | 157.4  | 172.5  | 198.3  | 227.0  | 208.9  | 186.1  | 183.1  | 164.9  | 157.4  |
| 25°    | 181.6  | 183.1  | 189.2  | 215.0  | 267.9  | 281.4  | 257.2  | 254.3  | 243.7  | 198.3  | 163.5  |
| 27.5°  | 289.1  | 289.1  | 281.4  | 336.0  | 440.4  | 503.9  | 540.2  | 517.6  | 473.6  | 310.3  | 215.0  |
| 30°    | 398.0  | 398.0  | 369.3  | 408.6  | 573.6  | 649.3  | 776.3  | 812.6  | 736.9  | 432.7  | 292.0  |
| 32.5°  | 399.5  | 407.0  | 391.9  | 454.0  | 591.7  | 659.9  | 759.7  | 846.0  | 792.9  | 494.8  | 361.6  |
| 35°    | 373.8  | 363.2  | 349.6  | 395.0  | 481.3  | 523.5  | 593.3  | 673.5  | 673.5  | 472.2  | 364.7  |
| 37.5°  | 360.2  | 366.3  | 381.4  | 482.8  | 617.4  | 578.1  | 591.7  | 682.5  | 740.1  | 544.8  | 391.9  |
| 40°    | 526.7  | 517.6  | 469.1  | 531.2  | 690.1  | 773.3  | 861.1  | 932.3  | 971.6  | 749.1  | 449.4  |
| 42.5°  | 635.5  | 634.1  | 558.5  | 612.9  | 850.5  | 954.9  | 1007.9 | 1089.7 | 1159.2 | 1018.5 | 549.3  |
| 45°    | 656.8  | 659.9  | 593.3  | 650.7  | 871.7  | 1079.1 | 1156.1 | 1129.0 | 1166.7 | 1201.5 | 675.0  |
| 47.5°  | 655.2  | 665.8  | 612.9  | 679.5  | 880.8  | 1103.2 | 1242.4 | 1201.5 | 1218.2 | 1262.0 | 794.5  |
| 50°    | 514.5  | 520.6  | 550.8  | 599.2  | 750.7  | 907.9  | 1021.5 | 962.5  | 951.9  | 1045.7 | 876.3  |
| 52.5°  | 475.2  | 514.5  | 600.8  | 791.4  | 962.5  | 1051.8 | 1381.7 | 1316.6 | 1342.4 | 1290.9 | 1027.6 |
| 55°    | 628.1  | 699.2  | 824.8  | 1057.8 | 1233.3 | 1796.3 | 2335.0 | 2403.2 | 2454.7 | 2164.0 | 1505.7 |
| 57.5°  | 927.7  | 998.7  | 1116.8 | 1349.9 | 1566.2 | 2789.0 | 3744.0 | 3598.6 | 3394.4 | 3161.3 | 2615.0 |
| 60°    | 1280.3 | 1337.7 | 1452.8 | 1741.9 | 1987.0 | 3244.5 | 4854.7 | 4792.6 | 4356.8 | 4476.4 | 4108.6 |
| 62.5°  | 1505.7 | 1578.4 | 1688.9 | 2050.5 | 2214.0 | 3267.3 | 5063.6 | 5531.1 | 5242.1 | 5348.0 | 5240.7 |
| 64°    | 1440.7 | 1575.3 | 1731.3 | 2040.0 | 2130.8 | 3424.7 | 4894.0 | 5685.6 | 5569.0 | 5481.2 | 5491.8 |
| 65°    | 1475.4 | 1570.8 | 1707.0 | 2011.2 | 2145.9 | 3494.2 | 4851.8 | 5679.5 | 5529.6 | 5416.2 | 5460.0 |
| 67.5°  | 1407.4 | 1520.8 | 1637.4 | 1905.2 | 2082.3 | 3612.3 | 4266.0 | 5086.2 | 4978.7 | 4797.2 | 4924.3 |
| 70°    | 1336.3 | 1448.3 | 1534.6 | 1731.3 | 1997.6 | 3401.9 | 3955.8 | 4676.1 | 4546.0 | 4256.9 | 4391.6 |
| 72.5°  | 1331.8 | 1451.3 | 1524.0 | 1676.7 | 1938.6 | 3302.1 | 3712.2 | 4193.4 | 4164.6 | 3833.2 | 4032.9 |
| 75°    | 1241.0 | 1334.7 | 1427.1 | 1539.1 | 1829.6 | 3055.4 | 3335.3 | 3733.4 | 3787.8 | 3582.1 | 3854.4 |
| 77.5°  | 1227.3 | 1318.0 | 1405.9 | 1549.7 | 1790.3 | 3114.4 | 3374.7 | 3544.2 | 3628.9 | 3426.1 | 3600.2 |
| 80°    | 1077.5 | 1159.2 | 1251.4 | 1442.2 | 1595.1 | 2734.5 | 2914.7 | 2854.2 | 2913.1 | 2711.9 | 2751.2 |
| 82.5°  | 790.0  | 856.6  | 947.4  | 1110.7 | 1183.4 | 2020.2 | 2183.7 | 2082.3 | 2058.1 | 1882.6 | 1781.2 |
| 85°    | 498.0  | 550.8  | 609.8  | 776.3  | 786.9  | 1225.8 | 1374.0 | 1316.6 | 1266.7 | 1073.0 | 902.0  |
| 87.5°  | 313.2  | 332.9  | 375.3  | 463.0  | 463.0  | 638.7  | 664.4  | 652.2  | 641.6  | 575.0  | 576.6  |
| 90°    | 267.9  | 278.5  | 304.2  | 346.5  | 349.6  | 461.6  | 475.2  | 479.7  | 499.4  | 479.7  | 505.4  |
| 92.5°  | 270.8  | 278.5  | 296.6  | 328.4  | 329.9  | 413.1  | 422.3  | 423.7  | 440.4  | 426.8  | 457.1  |
| 95°    | 267.9  | 275.5  | 296.6  | 322.3  | 320.9  | 376.7  | 382.8  | 393.4  | 405.6  | 381.4  | 408.6  |
| 97.5°  | 266.3  | 272.4  | 287.5  | 310.3  | 310.3  | 357.1  | 355.7  | 361.6  | 375.3  | 352.6  | 379.9  |
| 100°   | 284.5  | 285.9  | 305.8  | 326.8  | 317.8  | 354.1  | 343.5  | 348.0  | 352.6  | 340.5  | 363.2  |
| 102.5° | 293.6  | 292.0  | 310.3  | 337.4  | 323.9  | 340.5  | 326.8  | 334.5  | 342.0  | 326.8  | 345.1  |
| 105°   | 295.2  | 295.2  | 316.2  | 348.0  | 334.5  | 334.5  | 325.4  | 329.9  | 334.5  | 328.4  | 354.1  |
| 107.5° | 308.7  | 310.3  | 329.9  | 361.6  | 348.0  | 339.0  | 323.9  | 329.9  | 331.3  | 334.5  | 376.7  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°    | 25°    | 35°    | 45°    | 55°   | 62°   | 65°   | 75°    | 85°    |
|--------|-------|-------|--------|--------|--------|--------|-------|-------|-------|--------|--------|
| 110°   | 328.4 | 328.4 | 349.6  | 382.8  | 373.8  | 357.1  | 332.9 | 334.5 | 337.4 | 351.2  | 402.5  |
| 112.5° | 348.0 | 346.5 | 381.4  | 422.3  | 414.6  | 385.9  | 357.1 | 357.1 | 363.2 | 381.4  | 435.9  |
| 115°   | 381.4 | 376.7 | 411.7  | 481.3  | 481.3  | 432.7  | 401.1 | 405.6 | 416.2 | 420.7  | 484.2  |
| 117.5° | 502.5 | 476.7 | 508.4  | 590.1  | 585.6  | 534.1  | 481.3 | 470.7 | 475.2 | 499.4  | 588.7  |
| 120°   | 570.5 | 546.3 | 600.8  | 665.8  | 667.4  | 638.7  | 588.7 | 578.1 | 578.1 | 612.9  | 694.7  |
| 122.5° | 581.1 | 590.1 | 664.4  | 729.5  | 756.6  | 723.4  | 697.6 | 688.6 | 699.2 | 758.2  | 820.2  |
| 125°   | 668.9 | 667.4 | 732.4  | 846.0  | 867.2  | 839.9  | 805.1 | 802.0 | 821.7 | 883.7  | 912.6  |
| 127.5° | 814.2 | 808.1 | 847.4  | 958.0  | 973.1  | 945.8  | 927.7 | 921.6 | 941.3 | 995.7  | 1023.0 |
| 130°   | 945.8 | 939.7 | 970.0  | 1013.8 | 1027.6 | 1004.8 | 988.3 | 962.5 | 963.9 | 1027.6 | 1079.1 |
| 132.5° | 988.3 | 992.8 | 1013.8 | 1035.1 | 1038.2 | 1009.3 | 950.4 | 926.2 | 929.1 | 956.4  | 1010.9 |
| 135°   | 942.9 | 945.8 | 970.0  | 1012.4 | 1032.1 | 979.1  | 911.0 | 902.0 | 909.5 | 924.6  | 977.7  |
| 137.5° | 886.9 | 897.5 | 938.2  | 973.1  | 998.7  | 959.4  | 915.6 | 891.4 | 905.0 | 945.8  | 959.4  |
| 140°   | 911.0 | 917.1 | 950.4  | 963.9  | 982.2  | 951.9  | 912.6 | 900.4 | 906.5 | 915.6  | 912.6  |
| 142.5° | 903.4 | 915.6 | 923.1  | 926.2  | 927.7  | 906.5  | 900.4 | 917.1 | 927.7 | 927.7  | 933.7  |
| 145°   | 933.7 | 921.6 | 912.6  | 898.9  | 914.0  | 898.9  | 871.7 | 859.6 | 862.5 | 882.3  | 888.3  |
| 147.5° | 861.1 | 858.0 | 871.7  | 861.1  | 856.6  | 849.0  | 833.8 | 803.6 | 808.1 | 832.3  | 826.3  |
| 150°   | 770.3 | 768.8 | 756.6  | 753.6  | 732.4  | 752.1  | 767.2 | 783.9 | 788.4 | 777.8  | 776.3  |
| 152.5° | 709.8 | 712.8 | 734.0  | 750.7  | 771.7  | 765.8  | 738.5 | 694.7 | 679.5 | 694.7  | 705.3  |
| 155°   | 693.1 | 696.1 | 693.1  | 730.9  | 732.4  | 705.3  | 682.5 | 682.5 | 675.0 | 690.1  | 670.3  |
| 157.5° | 684.1 | 685.5 | 667.4  | 682.5  | 682.5  | 691.5  | 730.9 | 735.5 | 724.9 | 690.1  | 687.0  |
| 160°   | 696.1 | 697.6 | 682.5  | 659.9  | 656.8  | 658.3  | 673.5 | 679.5 | 676.4 | 637.1  | 646.2  |
| 162.5° | 629.6 | 626.5 | 608.4  | 611.4  | 615.9  | 591.7  | 568.9 | 570.5 | 568.9 | 546.3  | 555.4  |
| 165°   | 517.6 | 519.0 | 541.8  | 559.9  | 575.0  | 573.6  | 564.4 | 561.4 | 568.9 | 541.8  | 535.7  |
| 167.5° | 568.9 | 567.5 | 566.0  | 566.0  | 573.6  | 578.1  | 573.6 | 575.0 | 576.6 | 579.5  | 575.0  |
| 170°   | 549.3 | 550.8 | 553.8  | 543.3  | 535.7  | 531.2  | 526.7 | 529.6 | 526.7 | 529.6  | 529.6  |
| 172.5° | 493.3 | 493.3 | 498.0  | 502.5  | 505.4  | 500.9  | 496.4 | 494.8 | 490.3 | 487.3  | 484.2  |
| 175°   | 482.8 | 481.3 | 482.8  | 484.2  | 484.2  | 481.3  | 482.8 | 482.8 | 484.2 | 479.7  | 476.7  |
| 177.5° | 473.6 | 473.6 | 470.7  | 470.7  | 469.1  | 464.6  | 463.0 | 460.0 | 458.5 | 458.5  | 454.0  |
| 180°   | 443.4 | 443.4 | 443.4  | 443.4  | 443.4  | 443.4  | 443.4 | 443.4 | 443.4 | 443.4  | 443.4  |





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**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   |
| 2.5°   | 57.6   | 54.4   | 59.0   | 59.0   | 59.0   | 56.0   | 53.0   | 57.6   | 56.0   | 57.6   | 54.4   |
| 5°     | 71.1   | 68.2   | 68.2   | 68.2   | 66.6   | 71.1   | 66.6   | 66.6   | 66.6   | 69.6   | 71.1   |
| 7.5°   | 74.1   | 75.7   | 77.2   | 77.2   | 78.6   | 75.7   | 75.7   | 74.1   | 74.1   | 74.1   | 75.7   |
| 10°    | 89.2   | 90.8   | 89.2   | 87.8   | 89.2   | 89.2   | 89.2   | 87.8   | 87.8   | 87.8   | 86.3   |
| 12.5°  | 98.4   | 96.9   | 95.3   | 95.3   | 93.8   | 92.4   | 93.8   | 95.3   | 95.3   | 101.4  | 98.4   |
| 15°    | 112.0  | 108.9  | 105.9  | 103.0  | 104.4  | 105.9  | 105.9  | 104.4  | 108.9  | 107.5  | 108.9  |
| 17.5°  | 118.1  | 116.5  | 116.5  | 115.0  | 115.0  | 113.6  | 113.6  | 115.0  | 116.5  | 116.5  | 118.1  |
| 20°    | 130.1  | 130.1  | 127.1  | 125.6  | 127.1  | 124.0  | 124.0  | 125.6  | 125.6  | 127.1  | 127.1  |
| 22.5°  | 143.8  | 137.7  | 137.7  | 139.2  | 137.7  | 137.7  | 134.6  | 136.2  | 136.2  | 139.2  | 139.2  |
| 25°    | 160.4  | 154.3  | 149.8  | 151.3  | 157.4  | 152.9  | 155.8  | 154.3  | 157.4  | 155.8  | 152.9  |
| 27.5°  | 198.3  | 184.5  | 184.5  | 193.8  | 204.4  | 196.7  | 190.6  | 190.6  | 199.7  | 207.3  | 208.9  |
| 30°    | 242.1  | 230.1  | 225.4  | 237.6  | 251.2  | 240.6  | 231.5  | 234.6  | 248.2  | 258.8  | 261.8  |
| 32.5°  | 290.6  | 273.9  | 260.4  | 255.7  | 260.4  | 255.7  | 257.2  | 267.9  | 276.9  | 280.0  | 284.5  |
| 35°    | 308.7  | 292.0  | 266.3  | 248.2  | 239.1  | 237.6  | 257.2  | 275.5  | 276.9  | 266.3  | 269.4  |
| 37.5°  | 348.0  | 320.9  | 284.5  | 267.9  | 276.9  | 287.5  | 310.3  | 328.4  | 319.3  | 305.8  | 307.2  |
| 40°    | 378.3  | 355.7  | 329.9  | 326.8  | 337.4  | 354.1  | 364.7  | 367.7  | 381.4  | 393.4  | 402.5  |
| 42.5°  | 447.9  | 429.8  | 390.5  | 387.3  | 402.5  | 416.2  | 404.0  | 414.6  | 441.9  | 460.0  | 472.2  |
| 45°    | 538.7  | 508.4  | 460.0  | 431.3  | 457.1  | 478.1  | 469.1  | 484.2  | 496.4  | 505.4  | 517.6  |
| 47.5°  | 629.6  | 579.5  | 508.4  | 490.3  | 511.5  | 513.1  | 493.3  | 500.9  | 517.6  | 532.7  | 547.9  |
| 50°    | 694.7  | 638.7  | 534.1  | 488.7  | 487.3  | 528.2  | 553.8  | 575.0  | 537.3  | 500.9  | 499.4  |
| 52.5°  | 786.9  | 699.2  | 579.5  | 546.3  | 568.9  | 647.7  | 715.7  | 736.9  | 702.2  | 667.4  | 662.8  |
| 55°    | 1068.4 | 862.5  | 741.5  | 785.5  | 879.2  | 958.0  | 1006.4 | 1021.5 | 1062.4 | 1088.1 | 1091.1 |
| 57.5°  | 1770.6 | 1293.9 | 1074.5 | 1136.5 | 1194.0 | 1194.0 | 1257.5 | 1354.4 | 1470.9 | 1493.7 | 1496.7 |
| 60°    | 3010.0 | 2105.1 | 1514.8 | 1455.8 | 1460.3 | 1449.7 | 1693.4 | 1884.0 | 1962.8 | 1820.5 | 1784.2 |
| 62.5°  | 4182.8 | 2860.1 | 1838.6 | 1634.4 | 1670.8 | 1731.3 | 2085.4 | 2254.8 | 2244.2 | 2114.1 | 2076.2 |
| 64°    | 4639.8 | 3149.2 | 1949.2 | 1666.1 | 1688.9 | 1779.6 | 2064.2 | 2151.9 | 2192.7 | 2174.6 | 2136.7 |
| 65°    | 4706.4 | 3226.4 | 1976.4 | 1661.6 | 1673.7 | 1764.5 | 2000.5 | 2079.3 | 2141.4 | 2150.5 | 2123.2 |
| 67.5°  | 4597.5 | 3324.7 | 2023.3 | 1611.6 | 1575.3 | 1661.6 | 1790.3 | 1905.2 | 2008.2 | 2085.4 | 2083.8 |
| 70°    | 4314.5 | 3308.1 | 2024.9 | 1596.5 | 1522.4 | 1581.4 | 1640.5 | 1796.3 | 1920.4 | 1971.8 | 1994.6 |
| 72.5°  | 4016.4 | 3162.9 | 1803.8 | 1493.7 | 1418.0 | 1481.5 | 1543.6 | 1711.6 | 1820.5 | 1850.8 | 1887.1 |
| 75°    | 3859.0 | 3038.7 | 1585.9 | 1424.0 | 1380.1 | 1439.1 | 1439.1 | 1576.8 | 1704.0 | 1738.8 | 1788.7 |
| 77.5°  | 3566.9 | 2767.9 | 1374.0 | 1251.4 | 1222.7 | 1254.6 | 1204.6 | 1304.5 | 1412.0 | 1437.7 | 1477.0 |
| 80°    | 2755.7 | 2142.8 | 1092.6 | 1007.9 | 962.5  | 961.0  | 885.3  | 954.9  | 1035.1 | 1075.9 | 1101.7 |
| 82.5°  | 1782.6 | 1386.2 | 736.9  | 687.0  | 649.3  | 632.6  | 575.0  | 597.8  | 632.6  | 653.8  | 661.3  |
| 85°    | 894.3  | 736.9  | 460.0  | 437.4  | 408.6  | 401.1  | 381.4  | 401.1  | 408.6  | 404.0  | 405.6  |
| 87.5°  | 579.5  | 498.0  | 355.7  | 345.1  | 313.2  | 310.3  | 307.2  | 331.3  | 342.0  | 340.5  | 348.0  |
| 90°    | 488.7  | 423.7  | 325.4  | 319.3  | 296.6  | 293.6  | 298.1  | 322.3  | 332.9  | 329.9  | 331.3  |
| 92.5°  | 437.4  | 396.6  | 314.8  | 307.2  | 281.4  | 284.5  | 285.9  | 305.8  | 313.2  | 311.7  | 302.6  |
| 95°    | 405.6  | 370.8  | 316.2  | 310.3  | 276.9  | 283.0  | 287.5  | 296.6  | 292.0  | 285.9  | 280.0  |
| 97.5°  | 373.8  | 340.5  | 296.6  | 293.6  | 283.0  | 283.0  | 296.6  | 284.5  | 270.8  | 258.8  | 249.8  |
| 100°   | 358.6  | 331.3  | 296.6  | 293.6  | 289.1  | 289.1  | 308.7  | 298.1  | 273.9  | 258.8  | 257.2  |
| 102.5° | 348.0  | 332.9  | 310.3  | 299.7  | 292.0  | 295.2  | 317.8  | 329.9  | 296.6  | 281.4  | 273.9  |
| 105°   | 358.6  | 357.1  | 337.4  | 322.3  | 308.7  | 319.3  | 345.1  | 346.5  | 328.4  | 301.1  | 292.0  |
| 107.5° | 390.5  | 395.0  | 376.7  | 366.3  | 354.1  | 364.7  | 384.4  | 367.7  | 340.5  | 337.4  | 332.9  |



REPORT NUMBER: P14206

CATALOG NUMBER: GAT-080-LED-E1-3-GLOW-CAGE-3000

**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 426.8  | 431.3  | 419.2  | 407.0 | 404.0 | 417.6 | 451.0 | 422.3 | 379.9 | 388.9 | 395.0 |
| 112.5° | 464.6  | 475.2  | 461.6  | 438.8 | 438.8 | 469.1 | 531.2 | 544.8 | 487.3 | 460.0 | 458.5 |
| 115°   | 520.6  | 532.7  | 516.0  | 482.8 | 493.3 | 541.8 | 609.8 | 646.2 | 597.8 | 561.4 | 572.1 |
| 117.5° | 628.1  | 647.7  | 624.9  | 609.8 | 617.4 | 670.3 | 759.7 | 786.9 | 749.1 | 721.8 | 736.9 |
| 120°   | 732.4  | 761.1  | 752.1  | 758.2 | 773.3 | 833.8 | 912.6 | 885.3 | 844.4 | 841.5 | 850.5 |
| 122.5° | 855.0  | 859.6  | 853.5  | 883.7 | 923.1 | 959.4 | 967.0 | 909.5 | 865.6 | 827.7 | 826.3 |
| 125°   | 939.7  | 953.3  | 965.5  | 976.1 | 954.9 | 948.8 | 953.3 | 921.6 | 874.7 | 790.0 | 776.3 |
| 127.5° | 1038.2 | 1041.1 | 1018.5 | 967.0 | 902.0 | 914.0 | 944.3 | 868.6 | 829.3 | 823.2 | 827.7 |
| 130°   | 1083.6 | 1060.8 | 980.6  | 894.3 | 873.1 | 921.6 | 935.2 | 870.2 | 853.5 | 827.7 | 833.8 |
| 132.5° | 1007.9 | 1004.8 | 938.2  | 898.9 | 870.2 | 903.4 | 936.8 | 906.5 | 852.1 | 759.7 | 736.9 |
| 135°   | 994.2  | 988.3  | 936.8  | 876.3 | 830.9 | 836.8 | 862.5 | 886.9 | 867.2 | 796.1 | 776.3 |
| 137.5° | 963.9  | 958.0  | 905.0  | 832.3 | 846.0 | 856.6 | 871.7 | 882.3 | 892.8 | 889.8 | 879.2 |
| 140°   | 911.0  | 891.4  | 859.6  | 846.0 | 858.0 | 897.5 | 888.3 | 874.7 | 883.7 | 876.3 | 868.6 |
| 142.5° | 921.6  | 903.4  | 855.0  | 815.7 | 803.6 | 829.3 | 824.8 | 827.7 | 805.1 | 765.8 | 761.1 |
| 145°   | 879.2  | 865.6  | 830.9  | 779.4 | 726.3 | 744.6 | 761.1 | 756.6 | 744.6 | 758.2 | 758.2 |
| 147.5° | 805.1  | 788.4  | 756.6  | 741.5 | 708.2 | 746.0 | 762.7 | 747.6 | 738.5 | 711.2 | 703.7 |
| 150°   | 773.3  | 761.1  | 724.9  | 715.7 | 706.7 | 709.8 | 703.7 | 724.9 | 720.4 | 703.7 | 703.7 |
| 152.5° | 712.8  | 715.7  | 744.6  | 720.4 | 691.5 | 690.1 | 703.7 | 717.3 | 734.0 | 734.0 | 735.5 |
| 155°   | 671.9  | 680.9  | 709.8  | 744.6 | 706.7 | 734.0 | 694.7 | 684.1 | 706.7 | 714.3 | 712.8 |
| 157.5° | 665.8  | 658.3  | 661.3  | 680.9 | 664.4 | 665.8 | 656.8 | 658.3 | 652.2 | 635.5 | 629.6 |
| 160°   | 638.7  | 628.1  | 619.0  | 600.8 | 584.1 | 576.6 | 576.6 | 593.3 | 617.4 | 634.1 | 641.6 |
| 162.5° | 568.9  | 575.0  | 593.3  | 576.6 | 584.1 | 612.9 | 594.7 | 603.9 | 615.9 | 614.3 | 617.4 |
| 165°   | 540.2  | 552.4  | 567.5  | 594.7 | 602.3 | 588.7 | 582.7 | 566.0 | 546.3 | 546.3 | 544.8 |
| 167.5° | 568.9  | 558.5  | 541.8  | 532.7 | 532.7 | 541.8 | 544.8 | 531.2 | 520.6 | 519.0 | 517.6 |
| 170°   | 526.7  | 522.1  | 514.5  | 508.4 | 514.5 | 514.5 | 520.6 | 520.6 | 526.7 | 529.6 | 529.6 |
| 172.5° | 485.8  | 487.3  | 491.9  | 498.0 | 498.0 | 493.3 | 491.9 | 491.9 | 485.8 | 484.2 | 485.8 |
| 175°   | 473.6  | 472.2  | 467.7  | 463.0 | 458.5 | 452.6 | 447.9 | 441.9 | 437.4 | 437.4 | 435.9 |
| 177.5° | 452.6  | 449.4  | 447.9  | 444.9 | 443.4 | 438.8 | 437.4 | 432.7 | 431.3 | 428.2 | 426.8 |
| 180°   | 443.4  | 443.4  | 443.4  | 443.4 | 443.4 | 443.4 | 443.4 | 443.4 | 443.4 | 443.4 | 443.4 |

(END OF REPORT)