

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: **GAR-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: GAR-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

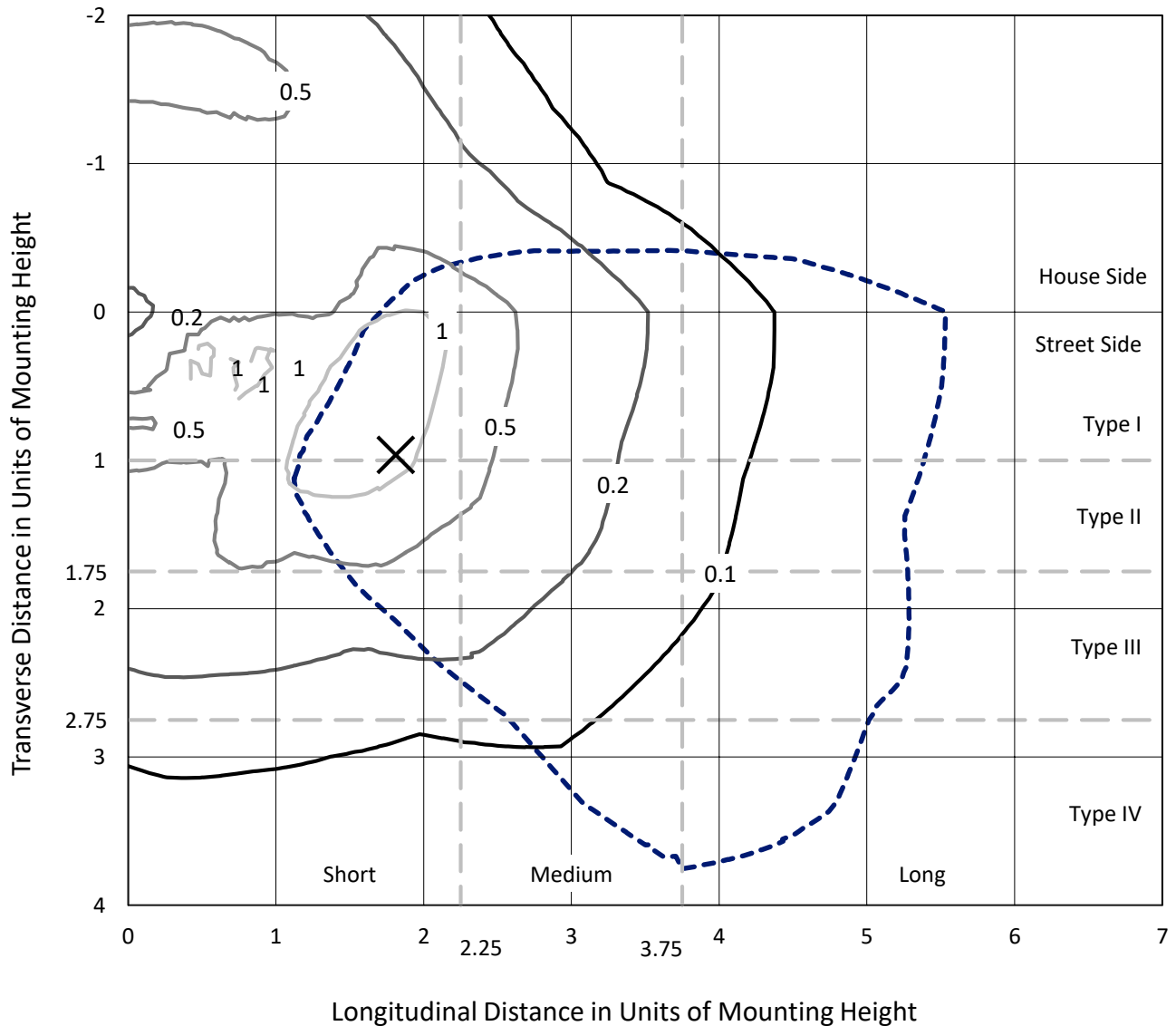


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

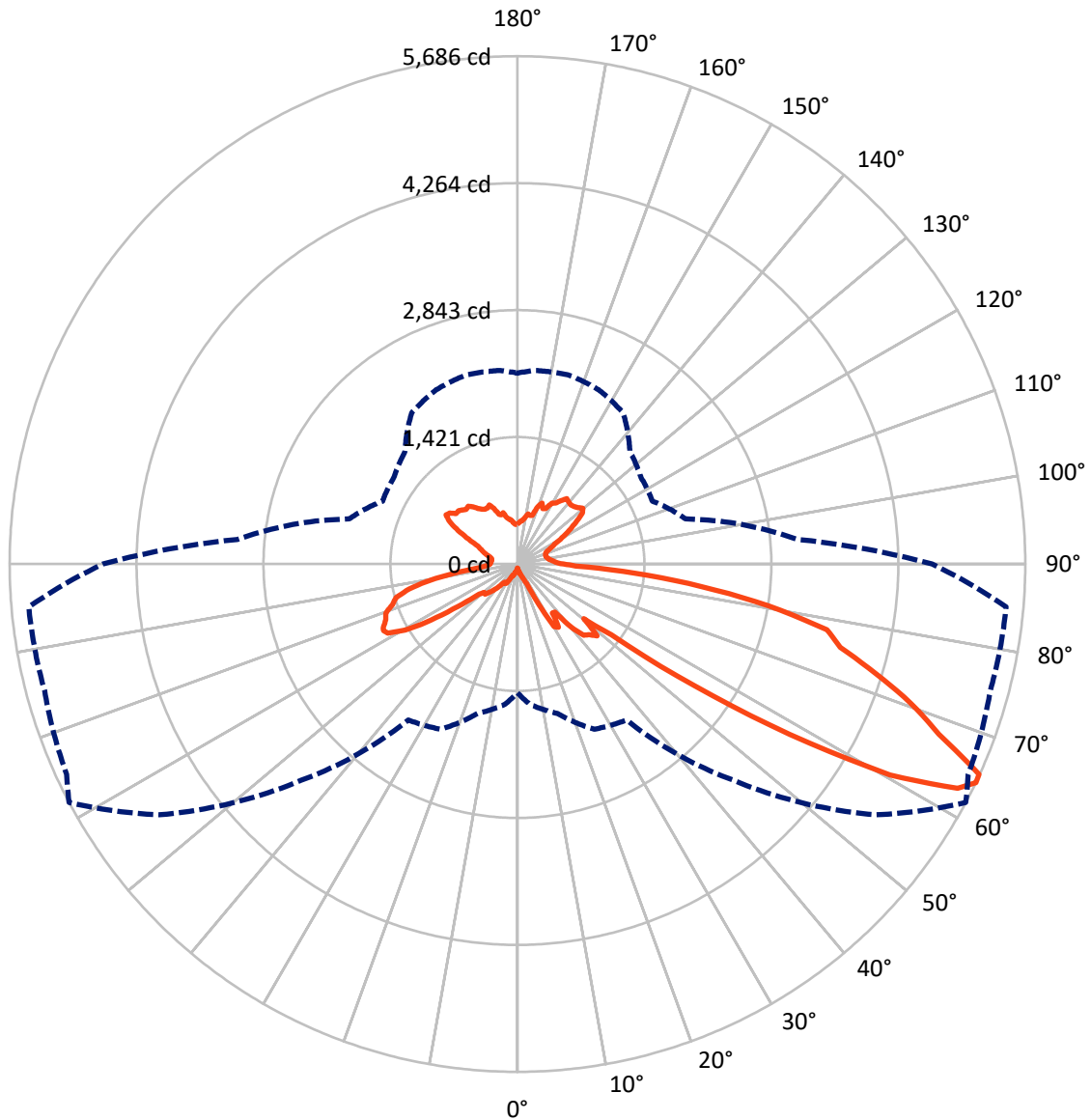


Based on 20 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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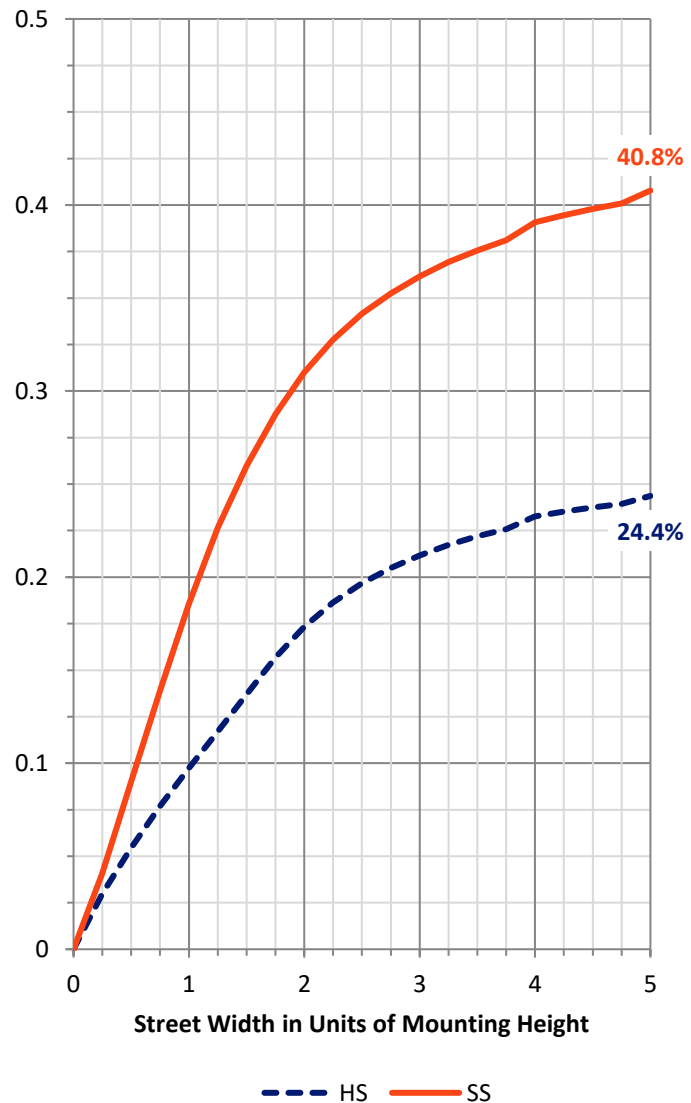
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2970.8 | 1892.5 | 4863.3 |
| | % Fixture | 25.3 | 16.1 | 41.3 |
| Street Side | Lumens | 5013.4 | 1888.4 | 6901.9 |
| | % Fixture | 42.6 | 16.1 | 58.7 |
| Total | 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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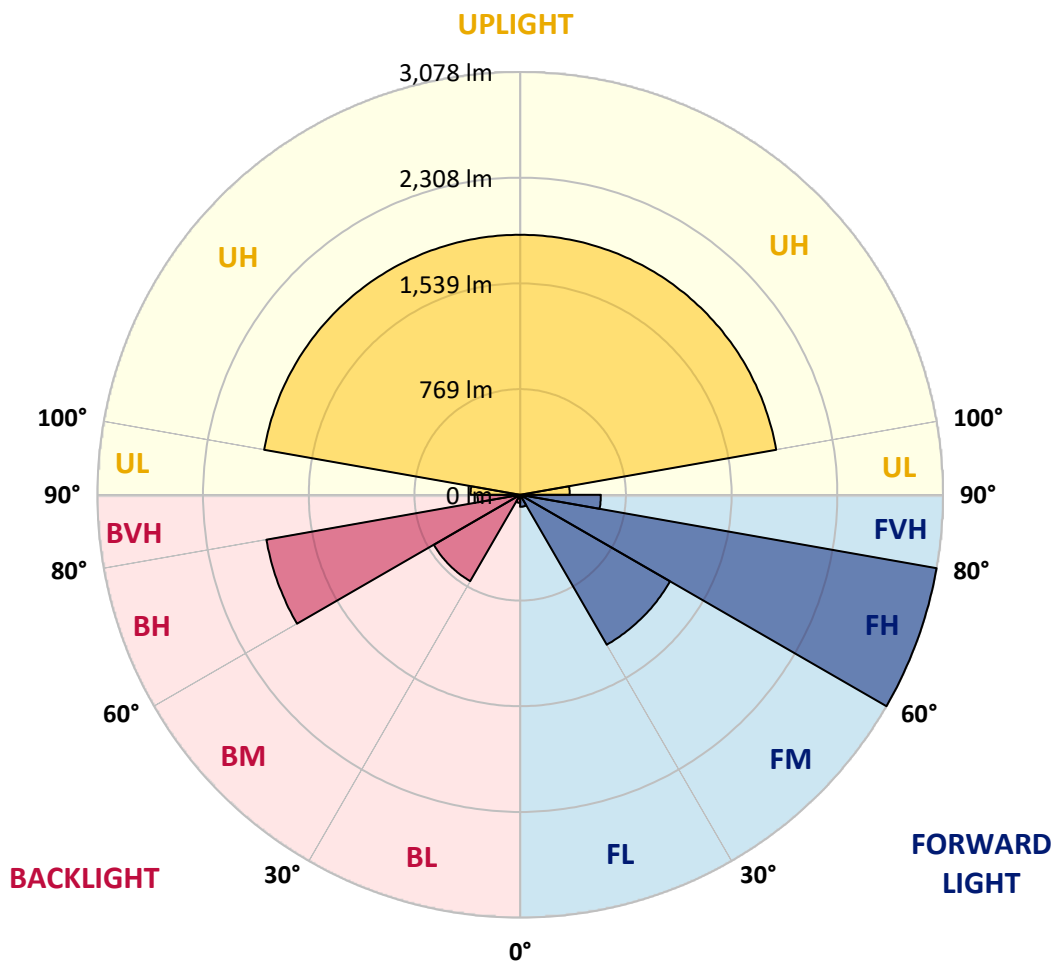
CATALOG NUMBER: GAR-080-LED-E1-3-GLOW-CAGE-3000

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

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

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

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: GAR-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 |

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