



## Picasso Lighting

### IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLD-4-PF-4-D5-I3-27-80-FW-W.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 13313159.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 10/29/2023JS  
[MANUFAC] Picasso Lighting Industries  
[LUMCAT] BLD-4-PF-4-D5-I3-27-80-FW-W  
[LUMINAIRE] Formed White aluminum housing, plastic lens enclosures  
[LAMP] 96 White LEDs down, 96 White LEDs up  
[BALLAST] Two ERP PSB50W-1200-42-S Driver  
[OTHER] 24.4 C, 119.989 V, 0.476329 A, 41.1 W, 0.974777 PF, 59.9705  
[MORE] Hz  
[OTHER] This test was performed using the calibrated photodetector met  
[MORE] hod of absolute photometry.

### CHARACTERISTICS

|                                 |                     |
|---------------------------------|---------------------|
| Lumens Per Lamp                 | N.A. (absolute)     |
| Total Lamp Lumens               | N.A. (absolute)     |
| Luminaire Lumens                | 3500                |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 85                  |
| Total Luminaire Watts           | 41.1                |
| Ballast Factor                  | 1.00                |
| CIE Type                        | General Diffuse     |
| Spacing Criterion (0-180)       | N.A.                |
| Spacing Criterion (90-270)      | N.A.                |
| Spacing Criterion (Diagonal)    | N.A.                |
| Basic Luminous Shape            | Rectangular w/Sides |
| Luminous Length (0-180)         | 4.00 ft             |
| Luminous Width (90-270)         | 0.13 ft             |
| Luminous Height                 | 0.33 ft             |

### LUMINANCE DATA (cd/sq.m)

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 12867            | 4702              | 3773              |
| 55                  | 11935            | 3516              | 2765              |
| 65                  | 10678            | 2430              | 1888              |
| 75                  | 8787             | 1424              | 1098              |
| 85                  | 5260             | 522               | 433               |

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**CANDELA TABULATION**

|      | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|------|------------|-------------|-------------|-------------|-------------|
| 0.0  | 704.93     | 704.93      | 704.93      | 704.93      | 704.93      |
| 0.5  | 704.14     | 705.63      | 702.83      | 704.14      | 709.46      |
| 1.0  | 704.06     | 705.54      | 702.75      | 704.14      | 709.29      |
| 1.5  | 703.88     | 705.45      | 702.57      | 703.97      | 709.03      |
| 2.0  | 703.53     | 705.19      | 702.49      | 703.79      | 708.59      |
| 2.5  | 703.27     | 704.84      | 702.22      | 703.45      | 708.16      |
| 3.0  | 702.83     | 704.40      | 701.96      | 703.10      | 707.46      |
| 3.5  | 702.22     | 703.97      | 701.61      | 702.66      | 706.76      |
| 4.0  | 701.70     | 703.45      | 701.18      | 702.14      | 706.06      |
| 4.5  | 701.09     | 702.92      | 700.65      | 701.61      | 705.36      |
| 5.0  | 700.48     | 702.31      | 700.04      | 700.92      | 704.67      |
| 5.5  | 699.78     | 701.61      | 699.35      | 700.22      | 703.88      |
| 6.0  | 699.00     | 700.83      | 698.47      | 699.43      | 703.10      |
| 6.5  | 698.30     | 700.04      | 697.60      | 698.56      | 702.14      |
| 7.0  | 697.17     | 699.17      | 696.64      | 697.69      | 701.18      |
| 7.5  | 696.12     | 698.12      | 695.51      | 696.55      | 700.22      |
| 8.0  | 695.16     | 697.08      | 694.29      | 695.51      | 699.00      |
| 8.5  | 694.11     | 695.94      | 693.15      | 694.37      | 697.78      |
| 9.0  | 692.89     | 694.64      | 691.84      | 693.15      | 696.38      |
| 9.5  | 691.67     | 693.33      | 690.45      | 691.76      | 694.90      |
| 10.0 | 690.27     | 692.02      | 689.05      | 690.27      | 693.24      |
| 10.5 | 688.88     | 690.54      | 687.66      | 688.62      | 691.58      |
| 11.0 | 687.40     | 688.88      | 686.18      | 686.96      | 689.58      |
| 11.5 | 685.91     | 687.40      | 684.61      | 685.22      | 687.75      |
| 12.0 | 684.26     | 685.74      | 682.95      | 683.38      | 685.74      |
| 12.5 | 682.69     | 684.08      | 681.38      | 681.47      | 683.73      |
| 13.0 | 680.85     | 682.34      | 679.55      | 679.46      | 681.64      |
| 13.5 | 679.11     | 680.59      | 677.71      | 677.45      | 679.46      |
| 14.0 | 677.19     | 678.76      | 675.88      | 675.36      | 677.37      |
| 14.5 | 675.27     | 676.84      | 673.88      | 673.18      | 675.10      |
| 15.0 | 673.27     | 674.84      | 671.87      | 671.00      | 672.92      |
| 15.5 | 671.35     | 672.83      | 669.78      | 668.73      | 670.74      |
| 16.0 | 669.17     | 670.74      | 667.60      | 666.46      | 668.47      |
| 16.5 | 667.07     | 668.64      | 665.42      | 664.11      | 666.20      |
| 17.0 | 664.81     | 666.46      | 663.06      | 661.75      | 663.85      |
| 17.5 | 662.54     | 664.11      | 660.71      | 659.31      | 661.40      |
| 18.0 | 660.27     | 661.75      | 658.26      | 656.69      | 658.87      |
| 18.5 | 657.83     | 659.31      | 655.73      | 654.16      | 656.35      |
| 19.0 | 655.47     | 656.78      | 653.12      | 651.46      | 653.73      |
| 19.5 | 652.94     | 654.16      | 650.59      | 648.67      | 651.20      |
| 20.0 | 650.33     | 651.46      | 647.80      | 645.88      | 648.41      |
| 20.5 | 647.62     | 648.76      | 645.01      | 643.00      | 645.70      |
| 21.0 | 645.01     | 645.97      | 642.13      | 640.21      | 643.00      |
| 21.5 | 642.30     | 643.09      | 639.34      | 637.24      | 640.12      |
| 22.0 | 639.51     | 640.21      | 636.28      | 634.28      | 637.16      |
| 22.5 | 636.55     | 637.16      | 633.23      | 631.31      | 634.10      |
| 23.0 | 633.75     | 634.19      | 630.09      | 628.26      | 630.79      |
| 23.5 | 630.79     | 631.14      | 627.04      | 625.21      | 627.56      |
| 24.0 | 627.82     | 628.00      | 623.81      | 621.98      | 624.42      |
| 24.5 | 624.68     | 624.86      | 620.50      | 618.75      | 621.19      |
| 25.0 | 621.54     | 621.72      | 617.18      | 615.53      | 617.88      |
| 25.5 | 618.32     | 618.49      | 613.96      | 612.21      | 614.65      |
| 26.0 | 615.09     | 615.00      | 610.47      | 608.90      | 611.16      |
| 26.5 | 611.77     | 611.69      | 607.06      | 605.49      | 607.76      |

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**CANDELA TABULATION - (Cont.)**

|      |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|
| 27.0 | 608.37 | 608.20 | 603.58 | 601.83 | 604.19 |
| 27.5 | 604.97 | 604.71 | 600.09 | 598.34 | 600.70 |
| 28.0 | 601.48 | 601.05 | 596.60 | 594.68 | 597.21 |
| 28.5 | 597.82 | 597.38 | 593.02 | 591.10 | 593.46 |
| 29.0 | 594.16 | 593.72 | 589.36 | 587.35 | 589.80 |
| 29.5 | 590.67 | 589.97 | 585.70 | 583.60 | 586.13 |
| 30.0 | 586.92 | 586.22 | 582.03 | 579.85 | 582.47 |
| 30.5 | 583.34 | 582.29 | 578.37 | 576.01 | 578.72 |
| 31.0 | 579.68 | 578.37 | 574.62 | 572.26 | 574.71 |
| 31.5 | 575.93 | 574.44 | 570.78 | 568.43 | 570.78 |
| 32.0 | 572.26 | 570.52 | 567.03 | 564.41 | 566.86 |
| 32.5 | 568.34 | 566.51 | 563.11 | 560.49 | 563.11 |
| 33.0 | 564.50 | 562.41 | 559.18 | 556.48 | 559.18 |
| 33.5 | 560.58 | 558.40 | 555.26 | 552.64 | 555.17 |
| 34.0 | 556.56 | 554.21 | 551.33 | 548.63 | 551.07 |
| 34.5 | 552.55 | 550.02 | 547.23 | 544.61 | 546.97 |
| 35.0 | 548.45 | 545.92 | 543.13 | 540.43 | 543.04 |
| 35.5 | 544.35 | 541.74 | 539.21 | 536.24 | 539.12 |
| 36.0 | 540.17 | 537.46 | 535.11 | 532.05 | 535.02 |
| 36.5 | 535.98 | 533.19 | 530.92 | 527.87 | 530.92 |
| 37.0 | 531.62 | 529.00 | 526.73 | 523.59 | 526.73 |
| 37.5 | 527.26 | 524.64 | 522.46 | 519.32 | 522.46 |
| 38.0 | 522.90 | 520.28 | 518.19 | 515.13 | 518.36 |
| 38.5 | 518.53 | 515.83 | 513.91 | 510.95 | 514.00 |
| 39.0 | 514.00 | 511.38 | 509.55 | 506.67 | 509.38 |
| 39.5 | 509.64 | 506.76 | 505.19 | 502.31 | 504.93 |
| 40.0 | 505.02 | 502.31 | 501.00 | 497.86 | 500.57 |
| 40.5 | 500.48 | 497.69 | 496.55 | 493.50 | 495.94 |
| 41.0 | 495.77 | 493.07 | 492.11 | 488.97 | 491.58 |
| 41.5 | 491.15 | 488.53 | 487.57 | 484.52 | 486.96 |
| 42.0 | 486.61 | 483.73 | 483.04 | 479.98 | 482.51 |
| 42.5 | 481.99 | 479.11 | 478.41 | 475.45 | 477.89 |
| 43.0 | 477.28 | 474.40 | 473.88 | 470.82 | 473.27 |
| 43.5 | 472.48 | 469.69 | 469.17 | 466.20 | 468.64 |
| 44.0 | 467.86 | 464.89 | 464.54 | 461.49 | 464.11 |
| 44.5 | 463.06 | 460.10 | 459.75 | 456.78 | 459.40 |
| 45.0 | 458.26 | 455.30 | 454.86 | 452.16 | 454.51 |
| 45.5 | 453.38 | 450.50 | 450.07 | 447.45 | 449.72 |
| 46.0 | 448.50 | 445.70 | 445.09 | 442.56 | 444.92 |
| 46.5 | 443.61 | 440.73 | 440.30 | 437.77 | 439.95 |
| 47.0 | 438.64 | 435.76 | 435.41 | 432.88 | 434.98 |
| 47.5 | 433.58 | 430.88 | 430.44 | 428.00 | 430.09 |
| 48.0 | 428.61 | 425.99 | 425.47 | 423.20 | 424.86 |
| 48.5 | 423.46 | 420.93 | 420.58 | 418.40 | 419.89 |
| 49.0 | 418.40 | 415.96 | 415.53 | 413.52 | 414.74 |
| 49.5 | 413.34 | 410.90 | 410.55 | 408.55 | 409.86 |
| 50.0 | 408.29 | 405.67 | 405.49 | 403.58 | 404.88 |
| 50.5 | 403.05 | 400.61 | 400.52 | 398.60 | 400.00 |
| 51.0 | 397.82 | 395.55 | 395.46 | 393.55 | 395.03 |
| 51.5 | 392.67 | 390.41 | 390.41 | 388.57 | 390.06 |
| 52.0 | 387.44 | 385.35 | 385.35 | 383.52 | 385.00 |
| 52.5 | 382.29 | 380.11 | 380.20 | 378.37 | 379.94 |
| 53.0 | 377.15 | 374.97 | 374.97 | 373.31 | 374.79 |
| 53.5 | 371.91 | 369.91 | 369.73 | 368.08 | 369.65 |
| 54.0 | 366.59 | 364.68 | 364.50 | 362.93 | 364.68 |
| 54.5 | 361.45 | 359.53 | 359.18 | 357.78 | 359.53 |

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**CANDELA TABULATION - (Cont.)**

|      |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|
| 55.0 | 356.13 | 354.30 | 353.86 | 352.64 | 354.30 |
| 55.5 | 350.72 | 349.06 | 348.63 | 347.49 | 348.98 |
| 56.0 | 345.31 | 343.83 | 343.31 | 342.26 | 343.65 |
| 56.5 | 339.73 | 338.60 | 337.90 | 337.11 | 338.25 |
| 57.0 | 334.23 | 333.28 | 332.49 | 331.88 | 333.01 |
| 57.5 | 328.74 | 327.95 | 327.08 | 326.73 | 327.61 |
| 58.0 | 323.24 | 322.46 | 321.76 | 321.50 | 322.37 |
| 58.5 | 317.84 | 316.96 | 316.44 | 316.27 | 317.14 |
| 59.0 | 312.34 | 311.47 | 311.03 | 311.12 | 311.82 |
| 59.5 | 306.93 | 306.15 | 305.63 | 305.89 | 306.41 |
| 60.0 | 301.44 | 300.74 | 300.22 | 300.57 | 301.18 |
| 60.5 | 296.12 | 295.16 | 294.81 | 295.33 | 295.94 |
| 61.0 | 290.80 | 289.75 | 289.40 | 290.01 | 290.71 |
| 61.5 | 285.39 | 284.26 | 284.17 | 284.78 | 285.48 |
| 62.0 | 279.90 | 278.85 | 278.76 | 279.46 | 280.16 |
| 62.5 | 274.49 | 273.44 | 273.44 | 274.14 | 275.01 |
| 63.0 | 269.08 | 268.03 | 268.12 | 268.82 | 269.86 |
| 63.5 | 263.58 | 262.63 | 262.80 | 263.58 | 264.72 |
| 64.0 | 258.26 | 257.22 | 257.48 | 258.26 | 259.49 |
| 64.5 | 252.77 | 251.90 | 252.07 | 253.03 | 254.25 |
| 65.0 | 247.27 | 246.49 | 246.66 | 247.71 | 249.02 |
| 65.5 | 241.78 | 241.08 | 241.34 | 242.48 | 243.79 |
| 66.0 | 236.28 | 235.67 | 235.94 | 237.24 | 238.55 |
| 66.5 | 230.70 | 230.27 | 230.61 | 232.01 | 233.23 |
| 67.0 | 225.12 | 224.77 | 225.38 | 226.78 | 227.91 |
| 67.5 | 219.62 | 219.28 | 220.06 | 221.46 | 222.59 |
| 68.0 | 213.87 | 213.87 | 214.65 | 216.22 | 217.27 |
| 68.5 | 208.37 | 208.29 | 209.25 | 210.99 | 211.95 |
| 69.0 | 202.70 | 202.88 | 203.92 | 205.67 | 206.54 |
| 69.5 | 197.03 | 197.30 | 198.60 | 200.44 | 201.05 |
| 70.0 | 191.45 | 191.89 | 193.20 | 195.03 | 195.29 |
| 70.5 | 185.96 | 186.66 | 188.14 | 189.80 | 189.71 |
| 71.0 | 180.29 | 181.16 | 182.90 | 184.82 | 184.74 |
| 71.5 | 174.79 | 175.93 | 177.85 | 179.42 | 179.50 |
| 72.0 | 170.00 | 170.52 | 172.61 | 174.10 | 174.36 |
| 72.5 | 164.50 | 165.02 | 167.38 | 168.86 | 169.21 |
| 73.0 | 159.18 | 159.70 | 162.15 | 163.63 | 164.15 |
| 73.5 | 153.77 | 154.38 | 157.00 | 158.40 | 159.27 |
| 74.0 | 148.98 | 149.06 | 151.68 | 153.16 | 154.38 |
| 74.5 | 143.83 | 144.27 | 146.45 | 148.19 | 149.50 |
| 75.0 | 138.60 | 139.12 | 141.39 | 143.31 | 144.61 |
| 75.5 | 133.54 | 134.23 | 136.33 | 138.42 | 139.82 |
| 76.0 | 128.39 | 129.18 | 131.53 | 133.97 | 135.54 |
| 76.5 | 123.33 | 124.12 | 126.56 | 129.35 | 130.75 |
| 77.0 | 118.27 | 119.06 | 121.59 | 124.55 | 125.77 |
| 77.5 | 113.30 | 114.00 | 116.79 | 119.84 | 120.80 |
| 78.0 | 108.24 | 109.03 | 112.08 | 114.96 | 115.83 |
| 78.5 | 103.18 | 104.06 | 107.37 | 110.16 | 110.95 |
| 79.0 | 98.30  | 99.17  | 102.66 | 105.28 | 105.97 |
| 79.5 | 93.33  | 94.29  | 97.86  | 100.48 | 101.18 |
| 80.0 | 88.44  | 89.32  | 93.07  | 95.77  | 96.38  |
| 80.5 | 83.65  | 84.34  | 88.36  | 91.15  | 91.84  |
| 81.0 | 78.85  | 79.46  | 83.56  | 86.61  | 87.31  |
| 81.5 | 74.05  | 74.66  | 78.94  | 82.16  | 82.95  |
| 82.0 | 69.43  | 69.95  | 74.23  | 77.80  | 78.76  |
| 82.5 | 64.72  | 65.33  | 69.60  | 73.53  | 74.57  |

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**CANDELA TABULATION - (Cont.)**

|       |        |        |       |       |       |
|-------|--------|--------|-------|-------|-------|
| 83.0  | 60.10  | 60.88  | 65.24 | 69.43 | 70.48 |
| 83.5  | 55.56  | 56.52  | 60.88 | 65.42 | 66.46 |
| 84.0  | 50.94  | 51.98  | 56.87 | 61.49 | 62.54 |
| 84.5  | 46.49  | 47.54  | 52.94 | 57.65 | 58.79 |
| 85.0  | 41.60  | 43.26  | 49.11 | 53.99 | 55.12 |
| 85.5  | 37.16  | 38.99  | 45.44 | 50.50 | 51.64 |
| 86.0  | 32.71  | 34.89  | 41.87 | 47.10 | 48.41 |
| 86.5  | 28.61  | 30.96  | 38.55 | 44.13 | 45.53 |
| 87.0  | 24.60  | 27.13  | 34.80 | 40.56 | 41.87 |
| 87.5  | 20.24  | 23.55  | 31.57 | 36.46 | 36.98 |
| 88.0  | 15.79  | 20.76  | 29.04 | 34.80 | 35.50 |
| 88.5  | 11.51  | 18.67  | 28.52 | 34.63 | 35.24 |
| 89.0  | 8.55   | 17.79  | 29.13 | 35.50 | 35.85 |
| 89.5  | 6.37   | 17.44  | 30.35 | 36.63 | 36.81 |
| 90.0  | 4.54   | 17.62  | 31.84 | 38.12 | 38.20 |
| 90.5  | 1.18   | 1.47   | 1.47  | 1.77  | 1.87  |
| 91.0  | 2.65   | 1.38   | 1.47  | 1.96  | 1.96  |
| 91.5  | 3.93   | 1.47   | 1.47  | 1.96  | 1.96  |
| 92.0  | 5.30   | 1.87   | 1.47  | 1.77  | 1.96  |
| 92.5  | 6.78   | 2.26   | 1.57  | 2.06  | 1.96  |
| 93.0  | 8.25   | 2.85   | 1.96  | 2.06  | 1.96  |
| 93.5  | 9.92   | 3.34   | 2.16  | 2.26  | 2.16  |
| 94.0  | 11.69  | 4.03   | 2.55  | 2.46  | 2.36  |
| 94.5  | 13.36  | 4.72   | 2.75  | 2.65  | 2.55  |
| 95.0  | 15.42  | 5.50   | 3.05  | 2.95  | 2.85  |
| 95.5  | 17.68  | 6.29   | 3.44  | 3.14  | 3.05  |
| 96.0  | 19.94  | 6.88   | 3.93  | 3.44  | 3.34  |
| 96.5  | 22.50  | 7.47   | 4.32  | 3.73  | 3.63  |
| 97.0  | 24.85  | 8.06   | 5.01  | 3.93  | 3.93  |
| 97.5  | 27.41  | 8.55   | 5.60  | 4.22  | 4.22  |
| 98.0  | 30.06  | 9.23   | 6.09  | 4.62  | 4.62  |
| 98.5  | 33.01  | 10.22  | 6.68  | 5.11  | 5.01  |
| 99.0  | 35.85  | 11.69  | 7.07  | 5.70  | 5.60  |
| 99.5  | 38.70  | 13.36  | 7.66  | 6.39  | 6.19  |
| 100.0 | 41.55  | 15.91  | 8.15  | 6.97  | 6.68  |
| 100.5 | 44.60  | 18.96  | 8.55  | 7.76  | 7.37  |
| 101.0 | 47.45  | 22.59  | 8.94  | 8.45  | 8.06  |
| 101.5 | 50.59  | 27.41  | 9.33  | 9.04  | 8.64  |
| 102.0 | 53.83  | 33.20  | 9.53  | 9.63  | 9.33  |
| 102.5 | 56.78  | 39.49  | 9.72  | 10.22 | 9.82  |
| 103.0 | 59.92  | 46.56  | 10.02 | 10.71 | 10.31 |
| 103.5 | 62.97  | 53.83  | 10.41 | 11.20 | 10.81 |
| 104.0 | 65.91  | 61.79  | 11.00 | 11.59 | 11.20 |
| 104.5 | 68.96  | 70.43  | 11.79 | 11.89 | 11.49 |
| 105.0 | 72.00  | 80.45  | 13.06 | 12.08 | 11.79 |
| 105.5 | 75.05  | 93.12  | 14.54 | 12.28 | 11.98 |
| 106.0 | 78.19  | 105.21 | 16.31 | 12.57 | 12.18 |
| 106.5 | 81.34  | 114.24 | 18.76 | 12.77 | 12.18 |
| 107.0 | 84.28  | 121.12 | 21.51 | 12.97 | 12.38 |
| 107.5 | 87.33  | 127.80 | 24.95 | 13.26 | 12.48 |
| 108.0 | 90.28  | 133.99 | 28.78 | 13.65 | 12.67 |
| 108.5 | 93.32  | 139.39 | 33.20 | 14.24 | 12.87 |
| 109.0 | 96.27  | 144.50 | 38.90 | 15.13 | 13.16 |
| 109.5 | 99.21  | 149.12 | 45.97 | 16.01 | 13.65 |
| 110.0 | 102.36 | 153.63 | 55.01 | 17.19 | 14.34 |
| 110.5 | 105.30 | 157.86 | 65.32 | 18.66 | 15.13 |

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**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| 111.0 | 108.35 | 161.89 | 76.92  | 20.53  | 16.21  |
| 111.5 | 111.30 | 165.72 | 89.10  | 22.79  | 17.19  |
| 112.0 | 114.24 | 169.45 | 102.36 | 25.44  | 18.57  |
| 112.5 | 117.29 | 173.18 | 116.11 | 28.49  | 20.14  |
| 113.0 | 120.04 | 176.72 | 130.35 | 32.02  | 22.30  |
| 113.5 | 122.99 | 180.45 | 146.76 | 36.15  | 24.46  |
| 114.0 | 125.93 | 183.89 | 164.24 | 41.16  | 27.21  |
| 114.5 | 128.68 | 187.43 | 183.89 | 47.74  | 30.45  |
| 115.0 | 131.43 | 190.77 | 203.34 | 55.89  | 33.99  |
| 115.5 | 134.28 | 194.20 | 223.87 | 66.60  | 38.21  |
| 116.0 | 137.13 | 197.35 | 244.50 | 78.19  | 43.61  |
| 116.5 | 139.98 | 200.49 | 266.90 | 91.45  | 50.49  |
| 117.0 | 142.83 | 203.54 | 290.37 | 105.89 | 59.14  |
| 117.5 | 145.58 | 206.58 | 312.67 | 121.22 | 69.55  |
| 118.0 | 148.33 | 209.43 | 332.51 | 138.02 | 81.63  |
| 118.5 | 151.18 | 212.38 | 347.84 | 155.60 | 94.79  |
| 119.0 | 154.03 | 215.32 | 361.39 | 174.75 | 109.63 |
| 119.5 | 156.78 | 218.07 | 373.38 | 195.48 | 125.15 |
| 120.0 | 159.53 | 220.92 | 384.87 | 219.06 | 142.24 |
| 120.5 | 162.28 | 223.67 | 395.19 | 244.01 | 160.12 |
| 121.0 | 165.03 | 226.52 | 404.03 | 271.02 | 179.76 |
| 121.5 | 167.78 | 229.17 | 411.20 | 298.43 | 201.28 |
| 122.0 | 170.53 | 231.73 | 417.49 | 326.92 | 224.56 |
| 122.5 | 173.18 | 234.48 | 422.99 | 356.78 | 250.79 |
| 123.0 | 175.93 | 236.94 | 427.80 | 386.94 | 278.78 |
| 123.5 | 178.78 | 239.49 | 432.12 | 419.74 | 307.96 |
| 124.0 | 181.34 | 241.85 | 435.76 | 451.77 | 338.11 |
| 124.5 | 184.09 | 244.40 | 439.39 | 480.55 | 369.35 |
| 125.0 | 186.64 | 246.86 | 442.34 | 504.81 | 401.57 |
| 125.5 | 189.29 | 249.21 | 445.38 | 525.44 | 436.84 |
| 126.0 | 191.85 | 251.47 | 447.94 | 543.32 | 471.22 |
| 126.5 | 194.40 | 253.83 | 450.39 | 559.33 | 502.65 |
| 127.0 | 197.05 | 256.29 | 452.75 | 575.05 | 531.43 |
| 127.5 | 199.71 | 258.55 | 455.01 | 588.70 | 554.91 |
| 128.0 | 202.36 | 260.90 | 457.37 | 599.90 | 576.03 |
| 128.5 | 204.72 | 263.26 | 459.23 | 608.74 | 594.89 |
| 129.0 | 207.27 | 265.52 | 461.10 | 616.40 | 612.38 |
| 129.5 | 209.72 | 267.68 | 462.77 | 622.59 | 628.29 |
| 130.0 | 212.28 | 269.84 | 464.44 | 627.80 | 641.75 |
| 130.5 | 214.64 | 272.00 | 466.01 | 631.83 | 652.46 |
| 131.0 | 217.09 | 274.17 | 467.49 | 635.36 | 660.90 |
| 131.5 | 219.65 | 276.33 | 468.86 | 638.21 | 668.07 |
| 132.0 | 221.91 | 278.29 | 470.14 | 640.57 | 674.07 |
| 132.5 | 224.36 | 280.45 | 471.02 | 642.63 | 678.98 |
| 133.0 | 226.72 | 282.51 | 472.00 | 644.30 | 682.91 |
| 133.5 | 229.17 | 284.48 | 472.89 | 645.48 | 686.25 |
| 134.0 | 231.53 | 286.44 | 473.38 | 646.46 | 689.00 |
| 134.5 | 233.89 | 288.41 | 473.97 | 647.25 | 691.45 |
| 135.0 | 236.15 | 290.37 | 474.36 | 647.84 | 693.32 |
| 135.5 | 238.51 | 292.24 | 474.36 | 648.33 | 694.70 |
| 136.0 | 240.86 | 294.20 | 474.56 | 648.53 | 695.87 |
| 136.5 | 243.12 | 295.97 | 474.66 | 648.43 | 696.66 |
| 137.0 | 245.38 | 297.74 | 474.36 | 647.84 | 697.05 |
| 137.5 | 247.64 | 299.51 | 474.07 | 647.05 | 697.45 |
| 138.0 | 249.90 | 301.38 | 473.67 | 645.97 | 697.35 |
| 138.5 | 252.06 | 303.05 | 472.99 | 644.79 | 696.76 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLD-4-PF-4-D5-I3-27-80-FW-W.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| 139.0 | 254.32 | 304.81 | 472.20 | 643.32 | 695.87 |
| 139.5 | 256.39 | 306.39 | 471.51 | 641.85 | 694.70 |
| 140.0 | 258.55 | 308.06 | 470.63 | 640.08 | 693.12 |
| 140.5 | 260.71 | 309.63 | 469.35 | 638.11 | 691.16 |
| 141.0 | 262.77 | 311.20 | 468.17 | 635.76 | 689.00 |
| 141.5 | 264.93 | 312.77 | 466.99 | 633.01 | 686.44 |
| 142.0 | 266.99 | 314.24 | 465.72 | 629.96 | 683.99 |
| 142.5 | 269.25 | 315.82 | 464.34 | 626.52 | 680.94 |
| 143.0 | 271.12 | 317.29 | 462.97 | 623.08 | 677.70 |
| 143.5 | 273.28 | 318.66 | 461.49 | 619.25 | 674.07 |
| 144.0 | 275.44 | 320.04 | 459.92 | 615.42 | 670.14 |
| 144.5 | 277.31 | 321.41 | 458.45 | 611.39 | 665.82 |
| 145.0 | 279.27 | 322.79 | 456.78 | 606.97 | 661.20 |
| 145.5 | 281.24 | 324.07 | 455.21 | 602.55 | 656.29 |
| 146.0 | 283.10 | 325.44 | 453.34 | 597.84 | 651.18 |
| 146.5 | 285.07 | 326.72 | 451.57 | 593.22 | 645.97 |
| 147.0 | 287.03 | 327.80 | 449.80 | 588.21 | 640.47 |
| 147.5 | 289.10 | 328.98 | 448.04 | 583.20 | 634.77 |
| 148.0 | 290.86 | 329.96 | 446.17 | 578.00 | 628.68 |
| 148.5 | 292.63 | 331.04 | 444.30 | 572.89 | 622.79 |
| 149.0 | 294.50 | 332.02 | 442.34 | 567.78 | 616.70 |
| 149.5 | 296.27 | 333.01 | 440.47 | 562.48 | 610.41 |
| 150.0 | 297.84 | 333.89 | 438.51 | 557.17 | 604.03 |
| 150.5 | 299.61 | 334.68 | 436.44 | 551.87 | 597.54 |
| 151.0 | 301.18 | 335.46 | 434.38 | 546.56 | 591.06 |
| 151.5 | 302.85 | 336.25 | 432.22 | 541.16 | 584.48 |
| 152.0 | 304.32 | 337.03 | 430.26 | 535.85 | 578.00 |
| 152.5 | 305.89 | 337.82 | 428.09 | 530.35 | 571.41 |
| 153.0 | 307.47 | 338.41 | 426.03 | 525.05 | 564.93 |
| 153.5 | 308.84 | 339.10 | 423.97 | 519.84 | 558.45 |
| 154.0 | 310.41 | 339.59 | 421.81 | 514.44 | 551.77 |
| 154.5 | 311.69 | 340.08 | 419.65 | 509.14 | 545.28 |
| 155.0 | 313.06 | 340.67 | 417.49 | 503.93 | 538.61 |
| 155.5 | 314.54 | 341.16 | 415.32 | 498.62 | 532.12 |
| 156.0 | 315.91 | 341.75 | 413.26 | 493.32 | 525.54 |
| 156.5 | 317.19 | 342.24 | 411.10 | 488.21 | 519.16 |
| 157.0 | 318.47 | 342.63 | 408.94 | 482.91 | 512.77 |
| 157.5 | 319.74 | 343.03 | 406.68 | 477.90 | 506.39 |
| 158.0 | 320.83 | 343.32 | 404.72 | 472.89 | 500.20 |
| 158.5 | 322.10 | 343.61 | 402.55 | 467.78 | 494.11 |
| 159.0 | 323.28 | 343.81 | 400.39 | 462.87 | 487.92 |
| 159.5 | 324.36 | 344.01 | 398.23 | 457.96 | 481.93 |
| 160.0 | 325.44 | 344.30 | 396.17 | 453.24 | 475.93 |
| 160.5 | 326.52 | 344.50 | 394.01 | 448.43 | 469.94 |
| 161.0 | 327.50 | 344.70 | 391.94 | 443.81 | 464.24 |
| 161.5 | 328.49 | 344.99 | 389.88 | 439.19 | 458.45 |
| 162.0 | 329.47 | 345.09 | 387.92 | 434.77 | 452.85 |
| 162.5 | 330.45 | 345.28 | 385.85 | 430.35 | 447.45 |
| 163.0 | 331.34 | 345.38 | 383.89 | 425.93 | 441.94 |
| 163.5 | 332.22 | 345.48 | 382.12 | 421.81 | 436.74 |
| 164.0 | 333.10 | 345.48 | 380.26 | 417.58 | 431.53 |
| 164.5 | 333.89 | 345.58 | 378.39 | 413.56 | 426.62 |
| 165.0 | 334.68 | 345.68 | 376.62 | 409.53 | 421.71 |
| 165.5 | 335.56 | 345.68 | 374.85 | 405.80 | 416.99 |
| 166.0 | 336.35 | 345.68 | 373.08 | 401.96 | 412.48 |
| 166.5 | 337.03 | 345.78 | 371.51 | 398.43 | 407.96 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLD-4-PF-4-D5-I3-27-80-FW-W.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| 167.0 | 337.72 | 345.78 | 369.84 | 394.99 | 403.83 |
| 167.5 | 338.31 | 345.68 | 368.27 | 391.55 | 399.61 |
| 168.0 | 339.00 | 345.68 | 366.70 | 388.31 | 395.68 |
| 168.5 | 339.59 | 345.58 | 365.13 | 385.17 | 391.75 |
| 169.0 | 340.28 | 345.68 | 363.65 | 382.22 | 388.21 |
| 169.5 | 340.86 | 345.68 | 362.18 | 379.17 | 384.48 |
| 170.0 | 341.36 | 345.68 | 360.90 | 376.42 | 381.24 |
| 170.5 | 342.04 | 345.68 | 359.53 | 373.67 | 378.00 |
| 171.0 | 342.53 | 345.68 | 358.25 | 371.12 | 374.85 |
| 171.5 | 342.93 | 345.68 | 357.07 | 368.66 | 372.00 |
| 172.0 | 343.52 | 345.68 | 355.89 | 366.31 | 368.96 |
| 172.5 | 343.91 | 345.68 | 354.81 | 364.24 | 366.60 |
| 173.0 | 344.30 | 345.68 | 353.63 | 362.28 | 364.05 |
| 173.5 | 344.60 | 345.68 | 352.75 | 360.31 | 361.79 |
| 174.0 | 344.99 | 345.68 | 351.77 | 358.64 | 359.53 |
| 174.5 | 345.38 | 345.68 | 350.98 | 357.17 | 357.56 |
| 175.0 | 345.58 | 345.58 | 350.10 | 355.70 | 355.70 |
| 175.5 | 345.87 | 345.58 | 349.61 | 354.42 | 354.22 |
| 176.0 | 346.07 | 345.48 | 349.02 | 353.34 | 352.65 |
| 176.5 | 346.37 | 345.58 | 348.43 | 352.26 | 351.47 |
| 177.0 | 346.46 | 345.48 | 348.13 | 351.38 | 350.39 |
| 177.5 | 346.66 | 345.48 | 347.64 | 350.49 | 349.41 |
| 178.0 | 346.76 | 345.48 | 347.35 | 349.61 | 348.72 |
| 178.5 | 346.86 | 345.48 | 347.05 | 348.82 | 348.23 |
| 179.0 | 346.95 | 345.38 | 346.76 | 348.23 | 347.84 |
| 179.5 | 346.95 | 345.38 | 346.46 | 347.84 | 347.54 |
| 180.0 | 346.66 | 346.66 | 346.66 | 346.66 | 346.66 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLD-4-PF-4-D5-I3-27-80-FW-W.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 256.39  | N.A.  | 7.30   |
| 0-30    | 541.34  | N.A.  | 15.50  |
| 0-40    | 881.54  | N.A.  | 25.20  |
| 0-60    | 1548.51 | N.A.  | 44.20  |
| 0-80    | 1943.02 | N.A.  | 55.50  |
| 0-90    | 1999.19 | N.A.  | 57.10  |
| 10-90   | 1932.56 | N.A.  | 55.20  |
| 20-40   | 625.15  | N.A.  | 17.90  |
| 20-50   | 975.79  | N.A.  | 27.90  |
| 40-70   | 911.62  | N.A.  | 26.00  |
| 60-80   | 394.51  | N.A.  | 11.30  |
| 70-80   | 149.86  | N.A.  | 4.30   |
| 80-90   | 56.17   | N.A.  | 1.60   |
| 90-110  | 48.00   | N.A.  | 1.40   |
| 90-120  | 188.50  | N.A.  | 5.40   |
| 90-130  | 511.17  | N.A.  | 14.60  |
| 90-150  | 1163.17 | N.A.  | 33.20  |
| 90-180  | 1500.76 | N.A.  | 42.90  |
| 110-180 | 1452.76 | N.A.  | 41.50  |
| 0-180   | 3499.95 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 66.62  |
| 10-20   | 189.77 |
| 20-30   | 284.95 |
| 30-40   | 340.20 |
| 40-50   | 350.64 |
| 50-60   | 316.33 |
| 60-70   | 244.65 |
| 70-80   | 149.86 |
| 80-90   | 56.17  |
| 90-100  | 7.07   |
| 100-110 | 40.93  |
| 110-120 | 140.49 |
| 120-130 | 322.67 |
| 130-140 | 361.03 |
| 140-150 | 290.97 |
| 150-160 | 195.98 |
| 160-170 | 107.81 |
| 170-180 | 33.80  |

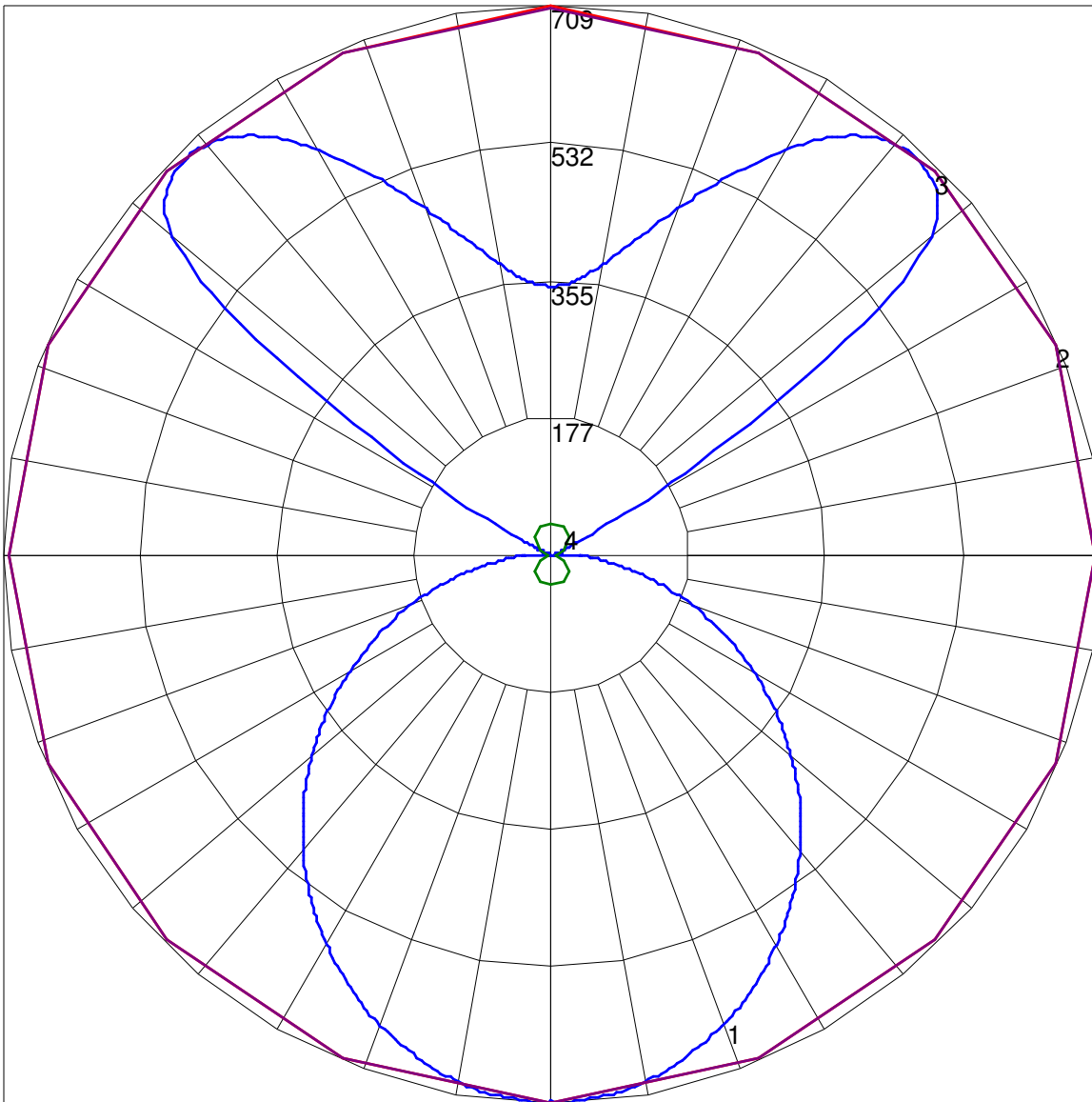
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLD-4-PF-4-D5-I3-27-80-FW-W.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

| RC | 80  |     |     |     | 70  |     |     |     | 50 |    |    | 30 |    |    | 10 |    |    | 0  |
|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RW | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| 0  | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 63 | 63 | 63 | 57 |
| 1  | 99  | 94  | 90  | 87  | 92  | 88  | 84  | 81  | 76 | 73 | 71 | 65 | 63 | 61 | 55 | 53 | 52 | 47 |
| 2  | 90  | 82  | 76  | 70  | 83  | 77  | 71  | 66  | 66 | 62 | 58 | 57 | 54 | 51 | 48 | 46 | 44 | 39 |
| 3  | 82  | 72  | 64  | 58  | 76  | 67  | 61  | 55  | 58 | 53 | 49 | 50 | 46 | 43 | 42 | 39 | 37 | 33 |
| 4  | 75  | 64  | 55  | 49  | 69  | 60  | 52  | 47  | 52 | 46 | 41 | 44 | 40 | 36 | 38 | 34 | 32 | 28 |
| 5  | 69  | 57  | 48  | 42  | 64  | 53  | 46  | 40  | 46 | 40 | 36 | 40 | 35 | 31 | 34 | 30 | 27 | 24 |
| 6  | 63  | 51  | 42  | 37  | 59  | 48  | 40  | 35  | 42 | 36 | 31 | 36 | 31 | 28 | 31 | 27 | 24 | 21 |
| 7  | 58  | 46  | 38  | 32  | 54  | 43  | 36  | 30  | 38 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 19 |
| 8  | 54  | 42  | 34  | 28  | 50  | 39  | 32  | 27  | 34 | 28 | 24 | 30 | 25 | 22 | 26 | 22 | 19 | 17 |
| 9  | 51  | 38  | 30  | 25  | 47  | 36  | 29  | 24  | 31 | 26 | 22 | 27 | 23 | 19 | 24 | 20 | 17 | 15 |
| 10 | 47  | 35  | 28  | 23  | 44  | 33  | 26  | 22  | 29 | 23 | 20 | 25 | 21 | 18 | 22 | 18 | 16 | 14 |

POLAR GRAPH



Maximum Candela = 709.46 Located At Horizontal Angle = 90, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)  
# 3 - Horizontal Cone Through Vertical Angle (2)  
# 4 - Horizontal Cone Through Vertical Angle (90)