



## Picasso Lighting

### IES INDOOR REPORT

PHOTOMETRIC FILENAME : DRM-RI-2X2-DR2-30-80-OW-XX(GRID)-XX-W.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA002143-003

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 6/23/2023

[MANUFAC] Picasso Lighting Industries, LLC

[LUMCAT] DRM-RI-2x2-DR2-30-80-OW-XX(GRID)-XX-W

[LUMINAIRE] Recessed mounted, formed steel housing with white painted plastic

[MORE] reflector and trim, no enclosure.

[LAMP] 144 white LEDs, 12 LEDs on 4 LED boards and 24 LEDs on 4 boards

[BALLAST] One Advance XI054C150V054BST1 LED driver labeled as 1400mA

[OTHER] 120.0Vac, 60.00Hz, 29.22W, 0.993PF, 5.1%THD(i)

[OTHER] This test was performed using the absolute method of photometry.

[MORE] Lamp lumens value was set to -1

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 2500            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 86              |
| Total Luminaire Watts           | 29.22           |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.34            |
| Spacing Criterion (90-270)      | 1.34            |
| Spacing Criterion (Diagonal)    | 1.50            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 1.53 ft         |
| Luminous Width (90-270)         | 1.53 ft         |
| Luminous Height                 | 0.00 ft         |

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

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 3363             | 3373              | 3377              |
| 55                  | 3632             | 3595              | 3656              |
| 65                  | 4186             | 4081              | 4230              |
| 75                  | 5323             | 5034              | 5405              |
| 85                  | 5754             | 5135              | 5968              |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : DRM-RI-2X2-DR2-30-80-OW-XX(GRID)-XX-W.IES

## CANDELA TABULATION

|      | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|------|------------|-------------|-------------|-------------|-------------|
| 0.0  | 672.11     | 672.11      | 672.11      | 672.11      | 672.11      |
| 0.5  | 672.63     | 672.11      | 672.11      | 672.11      | 672.11      |
| 1.0  | 672.63     | 672.11      | 672.11      | 672.11      | 672.11      |
| 1.5  | 672.11     | 672.11      | 672.11      | 672.11      | 672.11      |
| 2.0  | 672.11     | 671.60      | 672.11      | 671.60      | 672.11      |
| 2.5  | 672.11     | 671.60      | 672.11      | 671.60      | 672.11      |
| 3.0  | 672.11     | 671.60      | 671.60      | 671.60      | 671.60      |
| 3.5  | 671.60     | 671.60      | 671.60      | 671.09      | 671.60      |
| 4.0  | 671.60     | 671.09      | 671.60      | 671.09      | 671.60      |
| 4.5  | 671.09     | 670.58      | 671.09      | 671.09      | 671.09      |
| 5.0  | 671.09     | 670.58      | 670.58      | 670.58      | 670.58      |
| 5.5  | 670.58     | 670.07      | 670.58      | 670.07      | 670.58      |
| 6.0  | 670.07     | 669.56      | 670.07      | 670.07      | 670.07      |
| 6.5  | 669.56     | 669.56      | 669.56      | 669.56      | 669.56      |
| 7.0  | 669.05     | 669.05      | 669.56      | 669.05      | 669.56      |
| 7.5  | 669.05     | 668.54      | 669.05      | 668.54      | 669.05      |
| 8.0  | 668.54     | 668.03      | 668.54      | 668.54      | 668.54      |
| 8.5  | 667.52     | 667.52      | 668.03      | 668.03      | 668.03      |
| 9.0  | 667.01     | 667.01      | 667.52      | 667.52      | 667.52      |
| 9.5  | 666.50     | 666.50      | 667.01      | 667.01      | 667.01      |
| 10.0 | 665.99     | 665.47      | 666.50      | 666.50      | 666.50      |
| 10.5 | 665.47     | 664.96      | 665.47      | 665.47      | 665.99      |
| 11.0 | 664.45     | 664.45      | 664.96      | 664.96      | 665.47      |
| 11.5 | 663.94     | 663.43      | 664.45      | 664.45      | 664.96      |
| 12.0 | 662.92     | 662.92      | 663.43      | 663.94      | 663.94      |
| 12.5 | 662.41     | 662.41      | 662.92      | 662.92      | 663.43      |
| 13.0 | 661.39     | 661.39      | 661.90      | 662.41      | 662.41      |
| 13.5 | 660.37     | 660.37      | 661.39      | 661.39      | 661.90      |
| 14.0 | 659.86     | 659.86      | 660.37      | 660.88      | 660.88      |
| 14.5 | 658.84     | 658.84      | 659.86      | 659.86      | 659.86      |
| 15.0 | 657.81     | 657.81      | 658.84      | 658.84      | 659.35      |
| 15.5 | 656.79     | 656.79      | 657.81      | 657.81      | 657.81      |
| 16.0 | 655.26     | 655.77      | 656.79      | 656.79      | 656.79      |
| 16.5 | 654.24     | 654.75      | 655.77      | 655.77      | 655.77      |
| 17.0 | 652.71     | 653.73      | 654.75      | 654.75      | 654.24      |
| 17.5 | 651.69     | 652.20      | 653.73      | 653.22      | 653.22      |
| 18.0 | 650.15     | 651.17      | 652.71      | 652.20      | 651.69      |
| 18.5 | 648.62     | 649.64      | 651.69      | 650.66      | 650.15      |
| 19.0 | 647.09     | 648.11      | 650.66      | 649.13      | 648.62      |
| 19.5 | 646.07     | 647.09      | 649.64      | 648.11      | 647.09      |
| 20.0 | 644.02     | 645.56      | 648.11      | 646.58      | 645.56      |
| 20.5 | 642.49     | 644.02      | 646.58      | 645.05      | 644.02      |
| 21.0 | 640.96     | 642.49      | 645.56      | 643.51      | 642.49      |
| 21.5 | 639.43     | 640.45      | 644.02      | 641.47      | 640.96      |
| 22.0 | 637.39     | 638.92      | 642.49      | 639.94      | 638.92      |
| 22.5 | 635.85     | 637.39      | 640.45      | 638.41      | 637.39      |
| 23.0 | 633.81     | 635.85      | 638.92      | 636.36      | 635.34      |
| 23.5 | 631.77     | 633.81      | 637.39      | 634.83      | 633.30      |
| 24.0 | 630.23     | 631.77      | 635.34      | 632.79      | 631.77      |
| 24.5 | 628.19     | 630.23      | 633.81      | 630.75      | 629.72      |
| 25.0 | 626.15     | 628.19      | 631.77      | 629.21      | 627.68      |
| 25.5 | 624.11     | 626.15      | 629.72      | 627.17      | 625.64      |
| 26.0 | 622.06     | 624.11      | 627.68      | 625.13      | 623.60      |
| 26.5 | 619.51     | 622.06      | 625.64      | 623.08      | 621.04      |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : DRM-RI-2X2-DR2-30-80-OW-XX(GRID)-XX-W.IES****CANDELA TABULATION - (Cont.)**

|      |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|
| 27.0 | 617.47 | 620.02 | 623.60 | 621.04 | 619.00 |
| 27.5 | 615.42 | 617.98 | 621.55 | 619.00 | 616.96 |
| 28.0 | 612.87 | 615.93 | 619.00 | 616.45 | 614.91 |
| 28.5 | 610.32 | 613.89 | 616.96 | 614.40 | 612.36 |
| 29.0 | 608.27 | 611.34 | 614.40 | 612.36 | 609.81 |
| 29.5 | 605.72 | 609.30 | 612.36 | 609.81 | 607.76 |
| 30.0 | 603.17 | 606.74 | 609.81 | 607.76 | 605.21 |
| 30.5 | 600.61 | 604.70 | 607.25 | 605.21 | 602.66 |
| 31.0 | 598.06 | 602.15 | 604.70 | 603.17 | 600.10 |
| 31.5 | 595.51 | 599.59 | 602.66 | 600.61 | 597.55 |
| 32.0 | 592.95 | 597.04 | 600.10 | 598.06 | 594.99 |
| 32.5 | 590.40 | 594.48 | 597.04 | 595.51 | 592.44 |
| 33.0 | 587.84 | 591.93 | 594.48 | 592.95 | 589.89 |
| 33.5 | 585.29 | 589.38 | 591.93 | 590.40 | 586.82 |
| 34.0 | 582.23 | 586.82 | 589.38 | 587.84 | 584.27 |
| 34.5 | 579.67 | 584.27 | 586.31 | 584.78 | 581.72 |
| 35.0 | 577.12 | 581.21 | 583.76 | 582.23 | 578.65 |
| 35.5 | 574.06 | 578.65 | 580.69 | 579.16 | 576.10 |
| 36.0 | 571.50 | 575.59 | 578.14 | 576.61 | 573.54 |
| 36.5 | 568.44 | 573.03 | 575.08 | 574.06 | 570.48 |
| 37.0 | 565.88 | 569.97 | 572.01 | 570.99 | 567.42 |
| 37.5 | 562.82 | 567.42 | 568.95 | 567.93 | 564.86 |
| 38.0 | 559.75 | 564.35 | 565.88 | 565.37 | 561.80 |
| 38.5 | 557.20 | 561.29 | 562.82 | 562.31 | 559.24 |
| 39.0 | 554.14 | 558.22 | 559.75 | 559.24 | 556.18 |
| 39.5 | 551.07 | 555.67 | 556.69 | 556.18 | 553.12 |
| 40.0 | 548.01 | 552.09 | 553.12 | 553.12 | 550.56 |
| 40.5 | 545.45 | 549.54 | 550.05 | 550.05 | 547.50 |
| 41.0 | 542.39 | 546.48 | 546.99 | 547.50 | 544.43 |
| 41.5 | 539.33 | 543.41 | 543.41 | 543.92 | 541.37 |
| 42.0 | 536.26 | 540.35 | 540.35 | 540.86 | 538.82 |
| 42.5 | 533.20 | 537.28 | 536.77 | 537.79 | 535.75 |
| 43.0 | 530.64 | 533.71 | 533.71 | 534.73 | 532.69 |
| 43.5 | 527.58 | 530.64 | 530.13 | 531.66 | 529.62 |
| 44.0 | 524.51 | 527.58 | 526.56 | 528.60 | 526.56 |
| 44.5 | 520.94 | 524.51 | 522.98 | 525.54 | 523.49 |
| 45.0 | 518.39 | 521.45 | 519.92 | 521.96 | 520.43 |
| 45.5 | 514.81 | 517.88 | 516.34 | 518.90 | 517.36 |
| 46.0 | 511.75 | 514.81 | 512.77 | 515.83 | 514.30 |
| 46.5 | 508.68 | 511.75 | 509.70 | 512.77 | 511.24 |
| 47.0 | 505.62 | 508.17 | 506.13 | 509.19 | 508.17 |
| 47.5 | 502.55 | 505.11 | 502.55 | 506.13 | 505.11 |
| 48.0 | 499.49 | 501.53 | 498.98 | 502.55 | 502.04 |
| 48.5 | 496.42 | 498.47 | 495.40 | 499.49 | 498.98 |
| 49.0 | 492.85 | 494.89 | 491.83 | 495.91 | 495.40 |
| 49.5 | 489.79 | 491.32 | 488.76 | 492.85 | 492.34 |
| 50.0 | 486.72 | 488.25 | 485.19 | 489.27 | 489.27 |
| 50.5 | 483.66 | 484.68 | 481.61 | 486.21 | 486.21 |
| 51.0 | 480.59 | 481.61 | 478.04 | 482.64 | 483.15 |
| 51.5 | 477.02 | 478.04 | 474.46 | 479.57 | 480.08 |
| 52.0 | 473.95 | 474.46 | 470.89 | 476.00 | 476.51 |
| 52.5 | 470.89 | 471.40 | 467.31 | 472.42 | 473.44 |
| 53.0 | 467.31 | 467.82 | 463.74 | 469.36 | 470.38 |
| 53.5 | 464.25 | 464.25 | 460.16 | 465.78 | 467.31 |
| 54.0 | 460.67 | 460.67 | 456.59 | 462.21 | 463.74 |
| 54.5 | 457.61 | 457.10 | 453.01 | 458.63 | 460.67 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : DRM-RI-2X2-DR2-30-80-OW-XX(GRID)-XX-W.IES****CANDELA TABULATION - (Cont.)**

|      |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|
| 55.0 | 454.03 | 453.52 | 449.44 | 455.06 | 457.10 |
| 55.5 | 450.97 | 449.95 | 446.37 | 451.99 | 454.03 |
| 56.0 | 447.40 | 446.37 | 442.29 | 447.91 | 450.97 |
| 56.5 | 444.33 | 442.80 | 438.71 | 444.84 | 447.40 |
| 57.0 | 440.76 | 439.22 | 435.14 | 441.27 | 444.33 |
| 57.5 | 437.69 | 435.65 | 431.56 | 437.69 | 440.76 |
| 58.0 | 434.12 | 432.07 | 427.99 | 434.12 | 437.69 |
| 58.5 | 430.54 | 428.50 | 424.41 | 430.54 | 434.12 |
| 59.0 | 427.48 | 424.92 | 420.84 | 426.46 | 431.05 |
| 59.5 | 423.90 | 420.84 | 417.26 | 422.88 | 427.48 |
| 60.0 | 420.84 | 417.26 | 413.69 | 419.31 | 424.41 |
| 60.5 | 417.26 | 413.69 | 410.11 | 415.73 | 420.84 |
| 61.0 | 413.69 | 409.60 | 406.54 | 412.16 | 417.77 |
| 61.5 | 410.11 | 406.03 | 402.45 | 408.58 | 414.20 |
| 62.0 | 407.05 | 402.45 | 398.88 | 404.49 | 410.62 |
| 62.5 | 403.47 | 398.37 | 395.30 | 400.92 | 407.05 |
| 63.0 | 399.90 | 394.79 | 391.22 | 397.34 | 403.47 |
| 63.5 | 396.32 | 391.22 | 387.64 | 393.26 | 400.41 |
| 64.0 | 392.75 | 387.13 | 384.07 | 389.68 | 396.83 |
| 64.5 | 389.17 | 383.04 | 379.98 | 386.11 | 393.26 |
| 65.0 | 385.60 | 379.47 | 375.89 | 382.02 | 389.68 |
| 65.5 | 381.51 | 375.38 | 372.32 | 377.94 | 386.11 |
| 66.0 | 377.94 | 371.30 | 368.23 | 373.85 | 382.02 |
| 66.5 | 374.36 | 367.72 | 364.15 | 370.28 | 378.45 |
| 67.0 | 370.79 | 363.64 | 360.06 | 366.19 | 374.87 |
| 67.5 | 366.70 | 359.55 | 355.98 | 362.10 | 371.30 |
| 68.0 | 363.13 | 355.46 | 351.89 | 358.02 | 367.72 |
| 68.5 | 359.04 | 351.38 | 347.80 | 353.93 | 363.64 |
| 69.0 | 355.46 | 347.29 | 343.72 | 349.85 | 359.55 |
| 69.5 | 351.38 | 342.70 | 339.12 | 345.25 | 355.98 |
| 70.0 | 347.29 | 338.61 | 335.04 | 341.16 | 351.89 |
| 70.5 | 343.21 | 334.01 | 329.93 | 336.57 | 347.80 |
| 71.0 | 339.12 | 329.42 | 325.84 | 331.97 | 343.21 |
| 71.5 | 334.53 | 324.82 | 320.74 | 327.37 | 339.12 |
| 72.0 | 329.93 | 320.22 | 316.14 | 322.78 | 334.53 |
| 72.5 | 325.84 | 315.63 | 311.03 | 317.67 | 330.44 |
| 73.0 | 321.25 | 310.52 | 305.92 | 313.07 | 325.33 |
| 73.5 | 316.14 | 305.41 | 300.82 | 307.46 | 320.74 |
| 74.0 | 311.03 | 299.80 | 295.20 | 302.35 | 315.63 |
| 74.5 | 305.92 | 294.69 | 289.58 | 296.73 | 310.52 |
| 75.0 | 300.31 | 288.56 | 283.96 | 291.11 | 304.90 |
| 75.5 | 294.18 | 282.94 | 277.83 | 284.98 | 299.28 |
| 76.0 | 287.54 | 276.30 | 271.20 | 278.86 | 292.65 |
| 76.5 | 280.90 | 269.66 | 264.56 | 272.22 | 286.01 |
| 77.0 | 273.24 | 262.51 | 257.92 | 265.07 | 278.35 |
| 77.5 | 264.56 | 254.85 | 250.77 | 257.41 | 269.15 |
| 78.0 | 254.85 | 246.68 | 243.11 | 248.72 | 258.94 |
| 78.5 | 244.13 | 237.49 | 234.93 | 239.53 | 247.70 |
| 79.0 | 232.89 | 227.78 | 226.25 | 229.32 | 235.96 |
| 79.5 | 221.65 | 216.55 | 217.57 | 218.08 | 224.72 |
| 80.0 | 211.44 | 205.82 | 207.87 | 207.35 | 213.99 |
| 80.5 | 201.23 | 195.61 | 197.65 | 196.63 | 203.78 |
| 81.0 | 192.03 | 185.39 | 187.44 | 186.41 | 194.59 |
| 81.5 | 182.84 | 175.69 | 177.22 | 176.71 | 185.39 |
| 82.0 | 173.65 | 165.99 | 165.99 | 166.50 | 176.20 |
| 82.5 | 163.94 | 156.28 | 155.77 | 157.30 | 167.01 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : DRM-RI-2X2-DR2-30-80-OW-XX(GRID)-XX-W.IES****CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| 83.0  | 154.24 | 146.07 | 144.54 | 147.09 | 157.30 |
| 83.5  | 144.02 | 135.85 | 133.30 | 136.36 | 147.60 |
| 84.0  | 133.30 | 124.62 | 122.06 | 125.64 | 136.87 |
| 84.5  | 122.06 | 113.38 | 109.81 | 114.40 | 125.64 |
| 85.0  | 109.30 | 101.12 | 97.55  | 102.15 | 113.38 |
| 85.5  | 96.53  | 88.36  | 84.78  | 89.38  | 100.10 |
| 86.0  | 82.74  | 75.59  | 71.50  | 76.10  | 85.80  |
| 86.5  | 67.93  | 61.29  | 57.71  | 61.80  | 69.97  |
| 87.0  | 52.60  | 47.50  | 44.43  | 47.50  | 53.12  |
| 87.5  | 36.26  | 33.20  | 31.66  | 32.69  | 35.75  |
| 88.0  | 21.96  | 20.94  | 19.92  | 19.92  | 19.92  |
| 88.5  | 11.24  | 10.73  | 11.24  | 10.21  | 10.21  |
| 89.0  | 7.15   | 6.64   | 6.13   | 6.13   | 6.13   |
| 89.5  | 2.55   | 2.55   | 2.55   | 3.06   | 3.06   |
| 90.0  | 0.00   | 0.51   | 0.51   | 1.02   | 1.02   |
| 90.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 91.0  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 91.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 92.0  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 92.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 93.0  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 93.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 94.0  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 94.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 95.0  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 95.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 96.0  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 96.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 97.0  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 97.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 98.0  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 98.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 99.0  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 99.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 100.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 100.5 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 101.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 101.5 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 102.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 102.5 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 103.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 103.5 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 104.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 104.5 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 105.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 105.5 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 106.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 106.5 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 107.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 107.5 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 108.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 108.5 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 109.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 109.5 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 110.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 110.5 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : DRM-RI-2X2-DR2-30-80-OW-XX(GRID)-XX-W.IES****CANDELA TABULATION - (Cont.)**

|       |      |      |      |      |      |
|-------|------|------|------|------|------|
| 111.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : DRM-RI-2X2-DR2-30-80-OW-XX(GRID)-XX-W.IES****CANDELA TABULATION - (Cont.)**

|       |      |      |      |      |      |
|-------|------|------|------|------|------|
| 139.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : DRM-RI-2X2-DR2-30-80-OW-XX(GRID)-XX-W.IES****CANDELA TABULATION - (Cont.)**

|       |      |      |      |      |      |
|-------|------|------|------|------|------|
| 167.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : DRM-RI-2X2-DR2-30-80-OW-XX(GRID)-XX-W.IES****ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 250.00  | N.A.  | 10.00  |
| 0-30    | 540.21  | N.A.  | 21.60  |
| 0-40    | 904.29  | N.A.  | 36.20  |
| 0-60    | 1712.67 | N.A.  | 68.50  |
| 0-80    | 2392.16 | N.A.  | 95.70  |
| 0-90    | 2499.8  | N.A.  | 100.00 |
| 10-90   | 2435.92 | N.A.  | 97.40  |
| 20-40   | 654.29  | N.A.  | 26.20  |
| 20-50   | 1056.58 | N.A.  | 42.30  |
| 40-70   | 1185.76 | N.A.  | 47.40  |
| 60-80   | 679.49  | N.A.  | 27.20  |
| 70-80   | 302.11  | N.A.  | 12.10  |
| 80-90   | 107.64  | N.A.  | 4.30   |
| 90-110  | 0.02    | N.A.  | 0.00   |
| 90-120  | 0.02    | N.A.  | 0.00   |
| 90-130  | 0.02    | N.A.  | 0.00   |
| 90-150  | 0.02    | N.A.  | 0.00   |
| 90-180  | 0.02    | N.A.  | 0.00   |
| 110-180 | 0.00    | N.A.  | 0.00   |
| 0-180   | 2499.82 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 63.88  |
| 10-20   | 186.12 |
| 20-30   | 290.21 |
| 30-40   | 364.09 |
| 40-50   | 402.28 |
| 50-60   | 406.09 |
| 60-70   | 377.38 |
| 70-80   | 302.11 |
| 80-90   | 107.64 |
| 90-100  | 0.02   |
| 100-110 | 0.00   |
| 110-120 | 0.00   |
| 120-130 | 0.00   |
| 130-140 | 0.00   |
| 140-150 | 0.00   |
| 150-160 | 0.00   |
| 160-170 | 0.00   |
| 170-180 | 0.00   |

# IES INDOOR REPORT

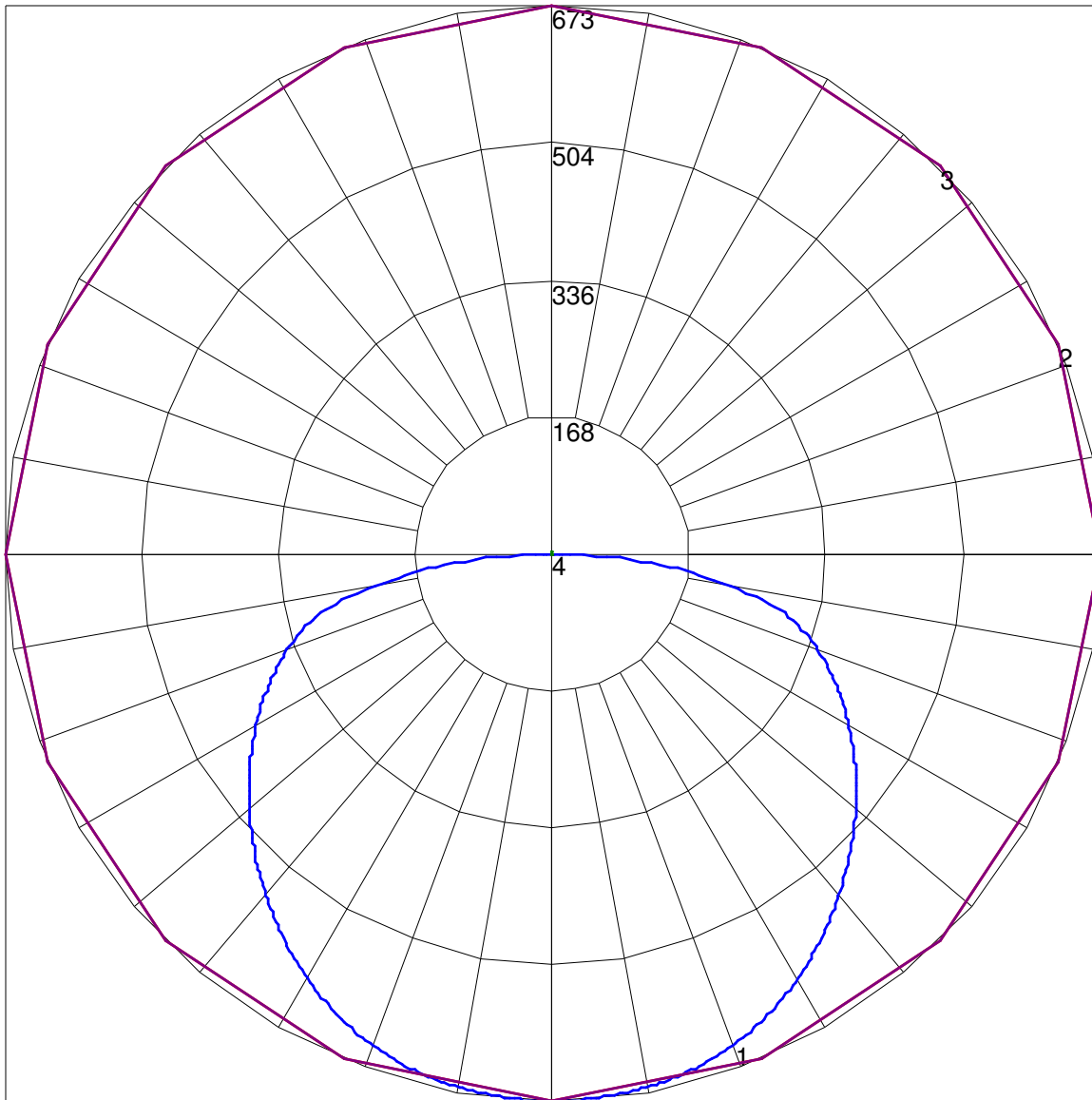
PHOTOMETRIC FILENAME : DRM-RI-2X2-DR2-30-80-OW-XX(GRID)-XX-W.IES

## 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  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1  | 106 | 101 | 96  | 91  | 104 | 98  | 94  | 89  | 94  | 90  | 87  | 90  | 87  | 84  | 86  | 84  | 81  | 79  |
| 2  | 95  | 86  | 78  | 71  | 93  | 84  | 77  | 71  | 80  | 74  | 69  | 77  | 72  | 67  | 74  | 69  | 66  | 63  |
| 3  | 86  | 74  | 65  | 58  | 84  | 73  | 64  | 57  | 70  | 62  | 56  | 67  | 60  | 55  | 64  | 59  | 54  | 52  |
| 4  | 78  | 65  | 55  | 48  | 76  | 64  | 55  | 48  | 61  | 53  | 47  | 59  | 52  | 46  | 56  | 50  | 46  | 43  |
| 5  | 72  | 58  | 48  | 41  | 70  | 57  | 47  | 40  | 54  | 46  | 40  | 52  | 45  | 39  | 50  | 44  | 39  | 37  |
| 6  | 66  | 52  | 42  | 35  | 64  | 51  | 42  | 35  | 49  | 41  | 35  | 47  | 40  | 34  | 45  | 39  | 34  | 32  |
| 7  | 61  | 47  | 37  | 31  | 59  | 46  | 37  | 31  | 44  | 36  | 30  | 43  | 35  | 30  | 41  | 35  | 30  | 28  |
| 8  | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 32  | 27  | 39  | 32  | 27  | 38  | 31  | 26  | 24  |
| 9  | 53  | 39  | 30  | 24  | 51  | 38  | 30  | 24  | 37  | 29  | 24  | 36  | 29  | 24  | 35  | 28  | 24  | 22  |
| 10 | 50  | 36  | 27  | 22  | 48  | 35  | 27  | 22  | 34  | 27  | 22  | 33  | 26  | 22  | 32  | 26  | 21  | 20  |

POLAR GRAPH



Maximum Candela = 672.63 Located At Horizontal Angle = 0, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (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)