# Photometric Report

**CATALOG NUMBER: PPRD01-4-X-X-X-T8**

Friday, November 30, 2012

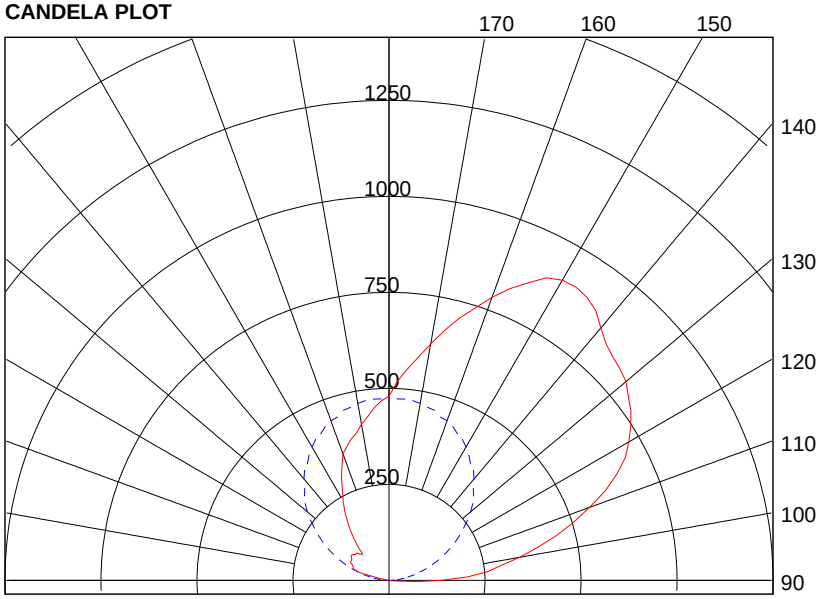
FILENAME: PPRD01-4-T8 LTL#04761.IES

IESNA:LM-63-2002
[TEST] 04761
[TESTDATE] 8-23-1999
[MANUFAC] PRECISION ARCHITECTUREAL LIGHTING
[LUMCAT]PPRD01-4-X-X-X-T8
[LUMINAIRE] EXTRUDED ALUMINUM HOUSING WITH CAST
[MORE]ALUMINUM END CAPS AND FORMED SEMI- SPECULAR
[MORE]ALUMINUM REFLECTOR.
[LAMP] ONE F32T8/TL830/XLL/ALTO RATED AT 2950 LUMENS.
[BALLAST] ONE ES-2/1-T8-32/25/17/15-UNV-A-1S

**SUMMARY DATA**

| | |
|---|---|
| EFFICIENCY (Total): | 67.1 % |
| EFFICIENCY (Downlight): | 0.5 % |
| EFFICIENCY (Uplight): | 66.6 % |
| CIE CLASSIFICATION: | INDIRECT |
| LUMENS/LAMP: | 2950 |
| NO. OF LAMPS: | 1 |
| LUMINOUS OPENING: | RECTANGULAR |
| Width: | 4.00 (Feet) |
| Length: | 0.23 |
| Height: | 0.00 |
| INPUT WATTS: | 33.2 |

**CANDELA PLOT**




Bilaterally Symmetric
Solid: 180-0 Degrees Dashed: 90-270 Degrees

**ZONAL LUMEN SUMMARY**

| Zone | Lumens | % Lamp | % Luminaire |
|---|---|---|---|
| 0 - 30 | 0.0 | 0.0 | 0.0 |
| 0 - 40 | 0.0 | 0.0 | 0.0 |
| 0 - 60 | 0.0 | 0.0 | 0.0 |
| 60 - 90 | 15.1 | 0.5 | 0.8 |
| 0 - 90 | 15.1 | 0.5 | 0.8 |
| 90 - 180 | 1964.3 | 66.6 | 99.2 |
| 0 - 180 | 1979.4 | 67.1 | 100.0 |

**AVERAGE LUMINANCE**
(Candelas / Square Meter)

| Angle | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | 2501 | 3752 | 973 | 1251 | 0 | 0 | 0 | 0 | 0 |

**COEFFICIENT OF UTILIZATION TABLE**

Effective Floor Cavity Reflectance = 20%

| Pcc ... | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pw ... | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | .64 | .64 | .64 | .64 | .55 | .55 | .55 | .55 | .38 | .38 | .38 | .22 | .22 | .22 | .07 | .07 | .07 | .01 |
| 1 | .58 | .55 | .53 | .51 | .50 | .47 | .45 | .44 | .32 | .31 | .30 | .19 | .18 | .18 | .06 | .06 | .06 | .00 |
| 2 | .53 | .48 | .44 | .41 | .45 | .41 | .38 | .36 | .28 | .26 | .25 | .16 | .15 | .15 | .05 | .05 | .05 | .00 |
| 3 | .48 | .42 | .38 | .34 | .41 | .36 | .33 | .30 | .25 | .23 | .21 | .14 | .13 | .12 | .05 | .04 | .04 | .00 |
| 4 | .44 | .37 | .32 | .29 | .37 | .32 | .28 | .25 | .22 | .19 | .18 | .13 | .11 | .10 | .04 | .04 | .03 | .00 |
| 5 | .40 | .33 | .28 | .24 | .34 | .28 | .24 | .21 | .20 | .17 | .15 | .11 | .10 | .09 | .04 | .03 | .03 | .00 |
| 6 | .37 | .29 | .24 | .21 | .31 | .25 | .21 | .18 | .17 | .15 | .13 | .10 | .09 | .08 | .03 | .03 | .03 | .00 |
| 7 | .34 | .26 | .21 | .18 | .29 | .23 | .19 | .16 | .16 | .13 | .11 | .09 | .08 | .07 | .03 | .03 | .02 | .00 |
| 8 | .31 | .24 | .19 | .16 | .27 | .20 | .16 | .14 | .14 | .11 | .10 | .08 | .07 | .06 | .03 | .02 | .02 | .00 |
| 9 | .29 | .21 | .17 | .14 | .25 | .18 | .15 | .12 | .13 | .10 | .08 | .07 | .06 | .05 | .02 | .02 | .02 | .00 |
| 10 | .27 | .19 | .15 | .12 | .23 | .17 | .13 | .10 | .12 | .09 | .07 | .07 | .05 | .04 | .02 | .02 | .01 | .00 |

Reported data calculated from manufacturer's data file, based on IESNA recommended methods.

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Friday, November 30, 2012

FILENAME: PPRD01-4-T8 LTL#04761.IES

**CANDELA TABLE**

| Vertical | Horizontal Angles | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Angle | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 80 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| 82.5 | 0 | 0 | 5 | 8 | 0 | 0 | 0 | 0 | 0 |
| 85 | 19 | 28 | 7 | 9 | 0 | 0 | 0 | 0 | 0 |
| 87.5 | 75 | 81 | 46 | 11 | 1 | 0 | 0 | 0 | 0 |
| 90 | 137 | 146 | 105 | 51 | 6 | 0 | 0 | 0 | 0 |
| 92.5 | 205 | 205 | 156 | 86 | 14 | 3 | 0 | 0 | 0 |
| 95 | 257 | 248 | 195 | 126 | 23 | 9 | 2 | 0 | 0 |
| 97.5 | 293 | 293 | 241 | 170 | 39 | 25 | 6 | 1 | 0 |
| 100 | 345 | 345 | 291 | 212 | 50 | 28 | 25 | 5 | 5 |
| 102.5 | 395 | 397 | 341 | 247 | 67 | 33 | 56 | 30 | 31 |
| 105 | 452 | 451 | 392 | 275 | 84 | 34 | 64 | 71 | 79 |
| 107.5 | 504 | 504 | 443 | 303 | 101 | 38 | 65 | 87 | 97 |
| 110 | 556 | 556 | 481 | 331 | 120 | 43 | 71 | 90 | 99 |
| 112.5 | 610 | 602 | 515 | 356 | 140 | 49 | 77 | 94 | 102 |
| 115 | 654 | 641 | 545 | 384 | 159 | 63 | 80 | 96 | 111 |
| 117.5 | 695 | 671 | 573 | 416 | 179 | 79 | 82 | 100 | 111 |
| 120 | 721 | 697 | 594 | 444 | 199 | 96 | 81 | 104 | 112 |
| 122.5 | 746 | 718 | 615 | 472 | 218 | 114 | 77 | 107 | 117 |
| 125 | 769 | 740 | 636 | 493 | 237 | 137 | 75 | 106 | 117 |
| 127.5 | 786 | 755 | 666 | 514 | 258 | 154 | 82 | 100 | 111 |
| 130 | 805 | 771 | 696 | 529 | 277 | 177 | 102 | 99 | 111 |
| 132.5 | 816 | 788 | 724 | 538 | 296 | 200 | 121 | 90 | 100 |
| 135 | 824 | 803 | 743 | 542 | 312 | 223 | 143 | 99 | 97 |
| 137.5 | 836 | 829 | 760 | 545 | 325 | 245 | 169 | 119 | 118 |
| 140 | 858 | 853 | 766 | 553 | 345 | 263 | 189 | 143 | 142 |
| 142.5 | 885 | 869 | 770 | 554 | 361 | 283 | 209 | 170 | 166 |
| 145 | 899 | 872 | 763 | 552 | 371 | 298 | 229 | 193 | 189 |
| 147.5 | 906 | 871 | 747 | 553 | 387 | 313 | 258 | 217 | 215 |
| 150 | 903 | 854 | 733 | 549 | 401 | 331 | 285 | 237 | 239 |
| 152.5 | 888 | 831 | 711 | 548 | 414 | 342 | 308 | 262 | 262 |
| 155 | 855 | 797 | 691 | 543 | 421 | 361 | 332 | 292 | 293 |
| 157.5 | 822 | 762 | 671 | 538 | 434 | 372 | 348 | 323 | 320 |
| 160 | 785 | 730 | 650 | 534 | 442 | 387 | 361 | 346 | 351 |
| 162.5 | 743 | 696 | 625 | 528 | 446 | 402 | 373 | 361 | 365 |
| 165 | 707 | 659 | 603 | 522 | 459 | 413 | 387 | 377 | 381 |

Reported data calculated from manufacturer's data file, based on IESNA recommended methods.

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| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 167.5 | 667 | 624 | 579 | 515 | 462 | 423 | 405 | 387 | 392 |
| 170 | 625 | 588 | 555 | 509 | 468 | 437 | 417 | 404 | 413 |
| 172.5 | 586 | 555 | 535 | 501 | 472 | 448 | 434 | 421 | 430 |
| 175 | 553 | 526 | 514 | 491 | 474 | 458 | 449 | 441 | 450 |
| 177.5 | 520 | 499 | 494 | 481 | 473 | 468 | 463 | 456 | 468 |
| 180 | 479 | 479 | 479 | 479 | 479 | 479 | 479 | 479 | 479 |

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