

Photometric Report

CATALOG NUMBER: AR603-4-X-LP-X-X-T8

Monday, December 03, 2012

FILENAME: AR603-4-LP-T8 LTL#100231.IES

IESNA:LM-63-2002
 [TEST] LTL100231
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING
 [LUMCAT] AR603-4-X-LP-X-X-T8
 [LUMINAIRE] EXTRUDED ALUMINUM HOUSING WITH CAST ALUMINUM
 [MORE] END CAPS AND HIGH REFLECTANCE WHITE ENAMEL ALUMINUM
 [MORE] REFLECTORS WITH LINEAR PRISMATIC ACYRLIC LENS
 [LAMP] ONE PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

SUMMARY DATA

EFFICIENCY (Total): 62.6 %
 EFFICIENCY (Downlight): 1.8 %
 EFFICIENCY (Uplight): 60.8 %
 CIE CLASSIFICATION: INDIRECT
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 1
 LUMINOUS OPENING: RECTANGULAR
 Width: 0.50 (Feet)
 Length: 4.00
 Height: 0.20
 INPUT WATTS: 33

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 | 0.9 | 0.0 | 0.0 |
| 60 - 90 | 52.5 | 1.8 | 2.8 |
| 0 - 90 | 53.4 | 1.8 | 2.9 |
| 90 - 180 | 1793.5 | 60.8 | 97.1 |
| 0 - 180 | 1846.8 | 62.6 | 100.0 |

AVERAGE LUMINANCE

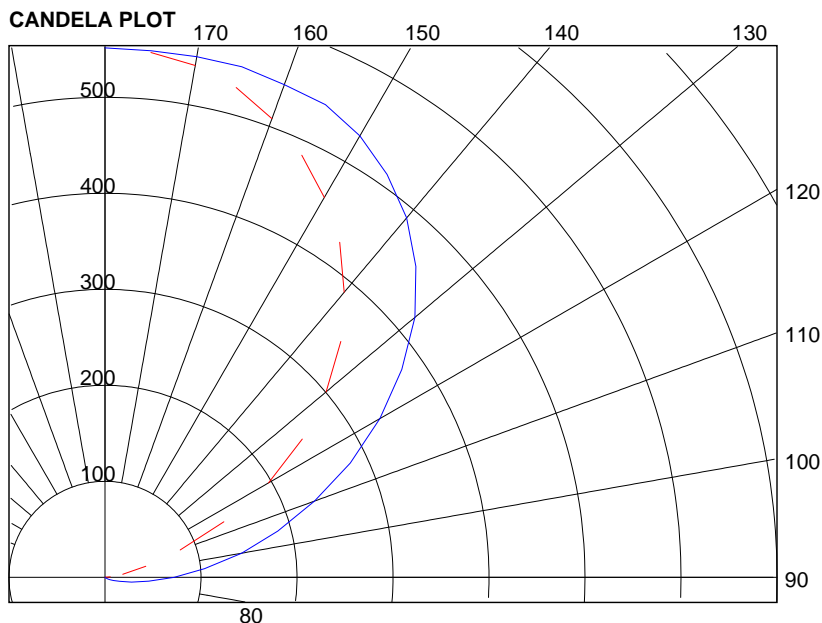
(Candelas / Square Meter)

| Angle | 0 | 22.5 | 45 | 67.5 | 90 |
|-------|---|------|-----|------|-----|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 0 | 0 |
| 55 | 0 | 0 | 6 | 11 | 11 |
| 65 | 0 | 0 | 28 | 39 | 39 |
| 75 | 0 | 34 | 142 | 143 | 133 |
| 85 | 0 | 265 | 599 | 542 | 509 |

COEFFICIENT OF UTILIZATION TABLE

Effective Floor Cavity Reflectance = 20%

| Pcc ... | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | .60 | .60 | .60 | .60 | .52 | .52 | .52 | .52 | .36 | .36 | .36 | .21 | .21 | .21 | .08 | .08 | .08 | .02 |
| 1 | .54 | .51 | .49 | .47 | .46 | .44 | .42 | .40 | .30 | .29 | .28 | .18 | .17 | .17 | .06 | .06 | .06 | .00 |
| 2 | .49 | .45 | .41 | .38 | .42 | .38 | .35 | .33 | .26 | .25 | .23 | .15 | .14 | .14 | .05 | .05 | .05 | .00 |
| 3 | .45 | .39 | .35 | .31 | .38 | .34 | .30 | .27 | .23 | .21 | .19 | .14 | .12 | .11 | .05 | .04 | .04 | .00 |
| 4 | .41 | .34 | .30 | .26 | .35 | .30 | .26 | .23 | .20 | .18 | .16 | .12 | .11 | .10 | .04 | .04 | .03 | .00 |
| 5 | .37 | .30 | .26 | .22 | .32 | .26 | .22 | .19 | .18 | .16 | .14 | .11 | .09 | .08 | .04 | .03 | .03 | .00 |
| 6 | .34 | .27 | .22 | .19 | .29 | .23 | .19 | .17 | .16 | .14 | .12 | .10 | .08 | .07 | .03 | .03 | .02 | .00 |
| 7 | .31 | .24 | .20 | .16 | .27 | .21 | .17 | .14 | .15 | .12 | .10 | .09 | .07 | .06 | .03 | .02 | .02 | .00 |
| 8 | .29 | .22 | .17 | .14 | .25 | .19 | .15 | .12 | .13 | .11 | .09 | .08 | .06 | .05 | .03 | .02 | .02 | .00 |
| 9 | .27 | .20 | .15 | .12 | .23 | .17 | .13 | .11 | .12 | .09 | .08 | .07 | .06 | .05 | .02 | .02 | .02 | .00 |
| 10 | .25 | .18 | .14 | .11 | .21 | .16 | .12 | .10 | .11 | .08 | .07 | .06 | .05 | .04 | .02 | .02 | .01 | .00 |



80
 Quadralaterally Symmetric
 Dashed: 0 Degrees Solid: 90 Degrees

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

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CANDELA TABLE

| Vertical Angle | Horizontal Angles | | | | |
|-------------------|-------------------|-------------|------------|-------------|------------|
| | <u>0</u> | <u>22.5</u> | <u>45</u> | <u>67.5</u> | <u>90</u> |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 | 0 |
| 40 | 0 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 0 | 1 |
| 55 | 0 | 0 | 1 | 2 | 2 |
| 60 | 0 | 0 | 2 | 3 | 4 |
| 65 | 0 | 0 | 4 | 6 | 6 |
| 70 | 0 | 1 | 7 | 9 | 9 |
| 75 | 0 | 3 | 15 | 17 | 16 |
| 80 | 0 | 7 | 27 | 29 | 28 |
| 85 | 0 | 14 | 45 | 48 | 46 |
| 90 | 0 | 25 | 67 | 74 | 72 |
| 95 | 6 | 41 | 95 | 106 | 104 |
| 100 | 19 | 62 | 126 | 142 | 144 |
| 105 | 44 | 90 | 161 | 183 | 186 |
| 110 | 83 | 127 | 199 | 228 | 232 |
| 115 | 137 | 171 | 240 | 275 | 282 |
| 120 | 197 | 226 | 283 | 321 | 331 |
| 125 | 251 | 280 | 330 | 367 | 377 |
| 130 | 301 | 332 | 374 | 409 | 421 |
| 135 | 347 | 376 | 416 | 447 | 458 |
| 140 | 388 | 415 | 451 | 479 | 489 |
| 145 | 426 | 446 | 479 | 504 | 512 |
| 150 | 457 | 473 | 502 | 524 | 531 |
| 155 | 485 | 495 | 516 | 536 | 543 |
| 160 | 509 | 515 | 528 | 541 | 546 |
| 165 | 528 | 532 | 538 | 548 | 551 |
| 170 | 541 | 542 | 546 | 550 | 551 |
| 175 | 549 | 549 | 550 | 551 | 551 |
| 180 | <u>552</u> | <u>552</u> | <u>552</u> | <u>552</u> | <u>552</u> |

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