



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXG-46-03-08-P11-8TW-W-XXXX-XXXX-POE 4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20909.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 26-AUG-2019

[MANUFAC] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] 2 LED 22"ARRAY PXG WASH DISTRIBUTION WALL MNT LUMINAIRE

[MORE] WHITE STEEL HOUSING/REFL & TEXTURED FROST ACRYLIC LENS

[LUMCAT] PXG-46-3'08-P11/8TW-W-xxxx-xxxx-PoE

[LAMPCAT] HEW #10560226 HLM2256\_5630 REV B

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 2773            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 73              |
| Total Luminaire Watts           | 38.2            |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 0.50            |
| Spacing Criterion (90-270)      | 1.10            |
| Spacing Criterion (Diagonal)    | 0.74            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 0.33 ft         |
| Luminous Width (90-270)         | 3.67 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                  | 4342             | 4470              | 13729             |
| 55                  | 3385             | 4093              | 10076             |
| 65                  | 2564             | 2991              | 6410              |
| 75                  | 1745             | 1919              | 2966              |
| 85                  | 0                | 0                 | 1036              |

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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> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> |
|-----------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| <b>0</b>  | 2545.077   | 2545.077    | 2545.077    | 2545.077    | 2545.077    | 2545.077     | 2545.077     | 2545.077     | 2545.077     |
| <b>5</b>  | 2545.077   | 2550.208    | 2539.946    | 2545.077    | 2529.684    | 2539.946     | 2570.733     | 2596.389     | 2596.389     |
| <b>10</b> | 2134.581   | 2273.123    | 2468.109    | 2473.240    | 2447.584    | 2488.634     | 2529.684     | 2575.864     | 2586.127     |
| <b>15</b> | 1077.553   | 1334.113    | 2001.170    | 2355.223    | 2329.567    | 2396.272     | 2442.453     | 2391.141     | 2288.517     |
| <b>20</b> | 605.482    | 682.450     | 1236.620    | 2185.893    | 2180.762    | 2257.730     | 2206.418     | 1513.705     | 1236.620     |
| <b>25</b> | 405.365    | 446.415     | 692.713     | 1821.577    | 2016.563    | 2108.925     | 1585.542     | 759.418      | 641.401      |
| <b>30</b> | 410.496    | 405.365     | 466.940     | 1364.900    | 1801.053    | 1903.677     | 826.124      | 466.940      | 425.890      |
| <b>35</b> | 420.759    | 410.496     | 374.578     | 913.354     | 1606.067    | 1631.723     | 523.383      | 410.496      | 384.840      |
| <b>40</b> | 400.234    | 395.103     | 364.315     | 574.695     | 1334.113    | 1180.177     | 369.447      | 348.922      | 313.003      |
| <b>45</b> | 348.922    | 359.184     | 359.184     | 400.234     | 1103.209    | 764.549      | 328.397      | 277.085      | 292.479      |
| <b>50</b> | 287.347    | 302.741     | 328.397     | 287.347     | 877.436     | 461.808      | 251.429      | 256.560      | 251.429      |
| <b>55</b> | 220.642    | 225.773     | 266.823     | 256.560     | 656.794     | 277.085      | 220.642      | 200.117      | 194.986      |
| <b>60</b> | 164.199    | 169.330     | 194.986     | 215.511     | 461.808     | 205.248      | 169.330      | 153.936      | 143.674      |
| <b>65</b> | 123.149    | 133.411     | 143.674     | 174.461     | 307.872     | 153.936      | 133.411      | 112.886      | 107.755      |
| <b>70</b> | 92.362     | 97.493      | 107.755     | 133.411     | 174.461     | 112.886      | 97.493       | 71.837       | 82.099       |
| <b>75</b> | 51.312     | 56.443      | 56.443      | 71.837      | 87.230      | 61.574       | 51.312       | 46.181       | 41.050       |
| <b>80</b> | 30.787     | 30.787      | 35.918      | 35.918      | 46.181      | 30.787       | 30.787       | 15.394       | 15.394       |
| <b>85</b> | 0.000      | 0.000       | 0.000       | 0.000       | 10.262      | 5.131        | 5.131        | 0.000        | 0.000        |
| <b>90</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : PXG-46-03-08-P11-8TW-W-XXXX-XXXX-POE 4000K.IES****ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 821.38  | N.A.  | 29.60  |
| 0-30    | 1403.27 | N.A.  | 50.60  |
| 0-40    | 1893.12 | N.A.  | 68.30  |
| 0-60    | 2535.03 | N.A.  | 91.40  |
| 0-80    | 2763.17 | N.A.  | 99.60  |
| 0-90    | 2773.02 | N.A.  | 100.00 |
| 10-90   | 2532.92 | N.A.  | 91.30  |
| 20-40   | 1071.73 | N.A.  | 38.60  |
| 20-50   | 1451.72 | N.A.  | 52.40  |
| 40-70   | 801.34  | N.A.  | 28.90  |
| 60-80   | 228.14  | N.A.  | 8.20   |
| 70-80   | 68.71   | N.A.  | 2.50   |
| 80-90   | 9.85    | N.A.  | 0.40   |
| 90-110  | 0.00    | N.A.  | 0.00   |
| 90-120  | 0.00    | N.A.  | 0.00   |
| 90-130  | 0.00    | N.A.  | 0.00   |
| 90-150  | 0.00    | N.A.  | 0.00   |
| 90-180  | 0.00    | N.A.  | 0.00   |
| 110-180 | 0.00    | N.A.  | 0.00   |
| 0-180   | 2773.02 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 240.10 |
| 10-20   | 581.28 |
| 20-30   | 581.89 |
| 30-40   | 489.84 |
| 40-50   | 379.99 |
| 50-60   | 261.92 |
| 60-70   | 159.43 |
| 70-80   | 68.71  |
| 80-90   | 9.85   |
| 90-100  | 0.00   |
| 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 : PXG-46-03-08-P11-8TW-W-XXXX-XXXX-POE 4000K.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

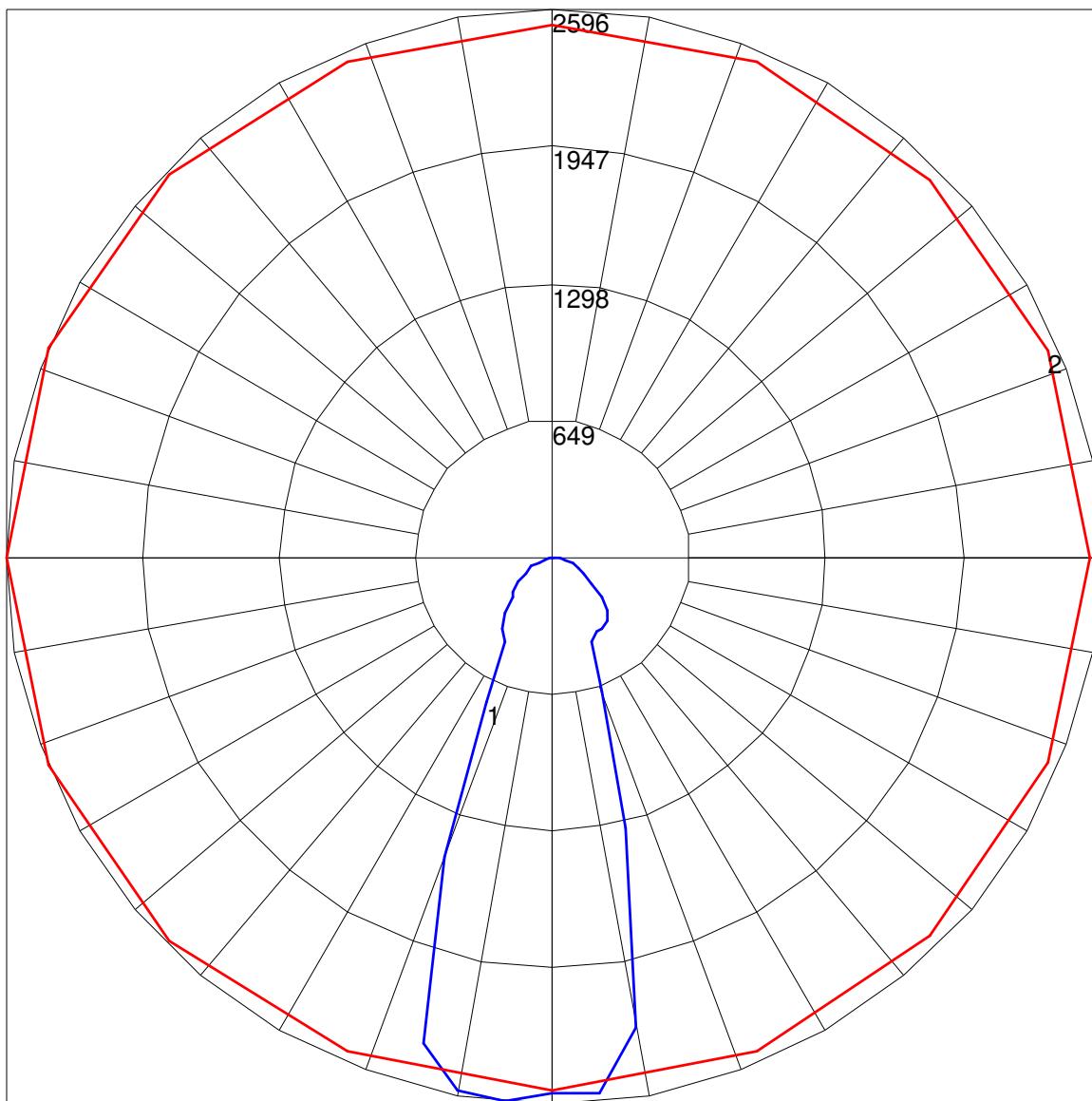
Effective Floor Cavity Reflectance 0.20

| RC<br>RW | 80  |     |     |     | 70  |     |     |     | 50  |     |     | 30  |     |     | 10  |     |     | 0   |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|          | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| 0        | 611 | 611 | 611 | 611 | 597 | 597 | 597 | 597 | 571 | 571 | 571 | 546 | 546 | 546 | 524 | 524 | 524 | 514 |
| 1        | 573 | 555 | 539 | 524 | 560 | 544 | 529 | 515 | 522 | 510 | 499 | 503 | 493 | 484 | 485 | 477 | 470 | 460 |
| 2        | 535 | 502 | 476 | 453 | 522 | 493 | 469 | 448 | 476 | 455 | 438 | 460 | 443 | 428 | 445 | 431 | 419 | 410 |
| 3        | 499 | 457 | 424 | 398 | 488 | 449 | 419 | 395 | 435 | 409 | 388 | 422 | 400 | 382 | 410 | 391 | 376 | 366 |
| 4        | 466 | 418 | 382 | 355 | 456 | 411 | 378 | 352 | 400 | 371 | 348 | 388 | 364 | 344 | 378 | 357 | 339 | 330 |
| 5        | 437 | 384 | 347 | 319 | 428 | 379 | 344 | 318 | 369 | 338 | 315 | 359 | 333 | 312 | 351 | 327 | 309 | 300 |
| 6        | 410 | 355 | 317 | 290 | 402 | 350 | 315 | 289 | 342 | 310 | 287 | 334 | 306 | 285 | 327 | 302 | 283 | 274 |
| 7        | 387 | 329 | 292 | 266 | 379 | 325 | 290 | 265 | 318 | 287 | 264 | 312 | 283 | 262 | 305 | 280 | 261 | 252 |
| 8        | 365 | 307 | 271 | 245 | 358 | 304 | 269 | 245 | 298 | 266 | 244 | 292 | 263 | 242 | 286 | 261 | 241 | 233 |
| 9        | 345 | 287 | 252 | 228 | 339 | 284 | 251 | 227 | 279 | 248 | 226 | 274 | 246 | 225 | 269 | 244 | 225 | 217 |
| 10       | 327 | 270 | 235 | 212 | 322 | 267 | 234 | 212 | 263 | 232 | 211 | 258 | 230 | 211 | 254 | 229 | 210 | 202 |

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## POLAR GRAPH



Maximum Candela = 2596.389 Located At Horizontal Angle = 157.5, Vertical Angle = 5

# 1 - Vertical Plane Through Horizontal Angles (157.5 - 337.5) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)