



**UL Verification Services**  
7036 Snowdrift Road Suite 200  
Allentown, PA 18106  
610-774-1300



## Photometric Indoor Test Report

Relevant Standards  
IES LM-41-1998 (Withdrawn)  
IES LM-9-2009  
ANSI C82.77-2002

Prepared For  
**Mercury Lighting**  
Stephen Bambush  
20 Audrey Place  
Fairfield, NJ 07004

Catalog Number  
**Q250F-132-OCT-PCB-ELB-UNI-2E**  
Project Number  
**10057136**  
Test Number  
**313484**

Test Date  
  
2013-10-08

Prepared By

Bethann Miller, Project Coordinator

Approved By

Jeffrey Lockner, Engineer

The results contained in this report pertain only to the tested sample.  
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.

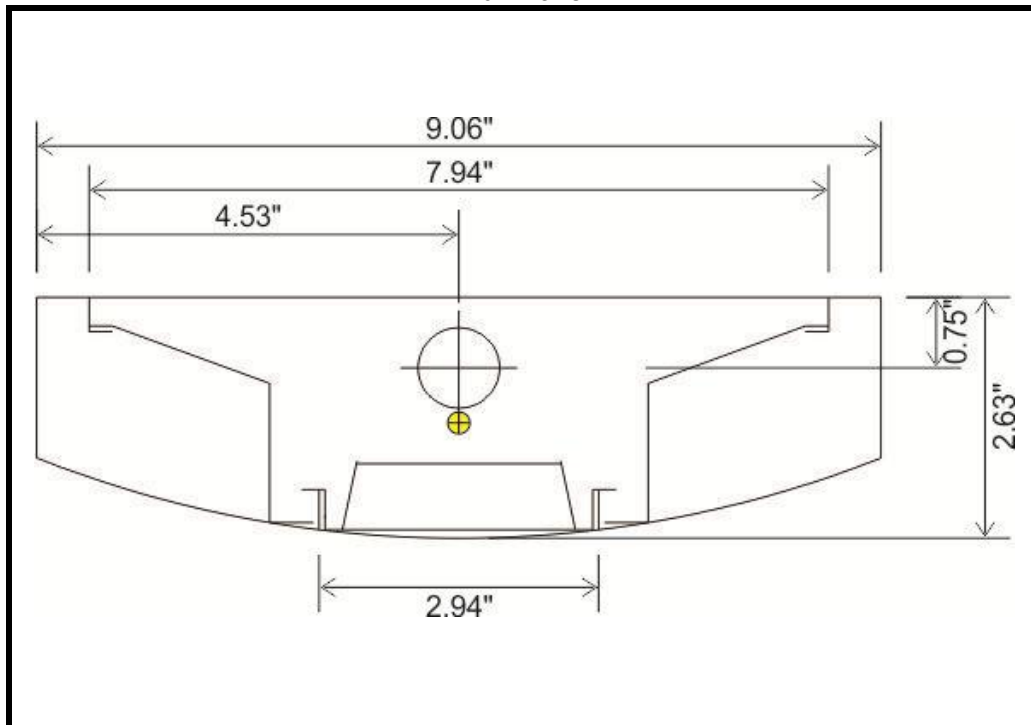
**UL Verification Services**

7036 Snowdrift Road Suite 200  
Allentown, PA 18106  
610-774-1300

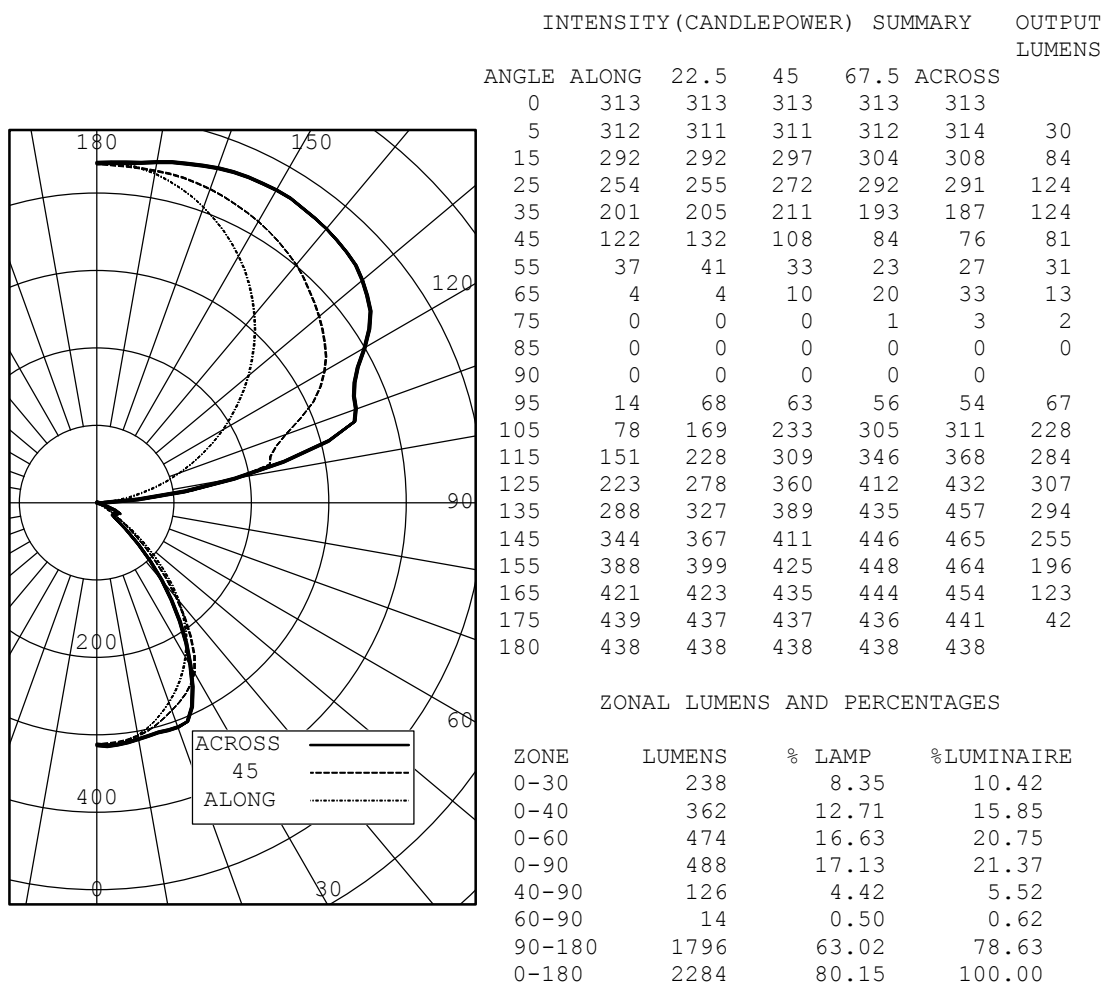


Luminaire Description: Formed white enamel steel housing, formed white aluminum reflector, formed semi-specular aluminum louver, no enclosure  
Catalog Number: Q250F-132-OCT-PCB-ELB-UNI-2E  
Lamp: One horizontal 32 watt T8 linear fluorescent lamps rated at 2850 lumens  
Mounting: Pendant  
Ballast/Driver: One Philips Advance Centium ICN-1P32-N

Luminaire

**Test Conditions**

|                   |           |
|-------------------|-----------|
| Test Temperature: | 25.3 °C   |
| Voltage:          | 120.0 VAC |
| Current:          | 0.2521 A  |
| Power:            | 29.95 W   |
| Power Factor:     | 0.990     |
| Frequency:        | 60 Hz     |
| Current THD:      | 5.58 %    |



\*\* EFFICIENCY: 80.2% \*\*

LUMINOUS LENGTH: 48.000 INS  
WIDTH: 8.000 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.2  
SC (ALONG): 1.1, SC (ACROSS): 1.2

| ANGLE | ALONG | 45  | ACROSS |
|-------|-------|-----|--------|
| 45    | 697   | 503 | 326    |
| 55    | 259   | 173 | 127    |
| 65    | 36    | 65  | 183    |
| 75    | 1     | 1   | 19     |
| 85    | 0     | 0   | 0      |

TESTED IN ACCORDANCE WITH IES PROCEDURES.



INTENSITY (CANDLEPOWER) DATA

| ANGLE | PLANE |      |     |      |        | AVERAGE | OUTPUT<br>LUMENS |
|-------|-------|------|-----|------|--------|---------|------------------|
|       | ALONG | 22.5 | 45  | 67.5 | ACROSS |         |                  |
| 0     | 313   | 313  | 313 | 313  | 313    | 313     |                  |
| 5     | 312   | 311  | 311 | 312  | 314    | 312     | 30               |
| 10    | 306   | 305  | 307 | 309  | 311    | 307     |                  |
| 15    | 292   | 292  | 297 | 304  | 308    | 298     | 84               |
| 20    | 274   | 276  | 285 | 301  | 308    | 288     |                  |
| 25    | 254   | 255  | 272 | 292  | 291    | 273     | 124              |
| 30    | 230   | 232  | 253 | 246  | 242    | 242     |                  |
| 35    | 201   | 205  | 211 | 193  | 187    | 201     | 124              |
| 40    | 165   | 172  | 160 | 137  | 131    | 154     |                  |
| 45    | 122   | 132  | 108 | 84   | 76     | 106     | 81               |
| 50    | 78    | 85   | 63  | 40   | 30     | 61      |                  |
| 55    | 37    | 41   | 33  | 23   | 27     | 32      | 31               |
| 60    | 13    | 14   | 18  | 23   | 29     | 19      |                  |
| 65    | 4     | 4    | 10  | 20   | 33     | 13      | 13               |
| 70    | 1     | 1    | 2   | 10   | 16     | 5       |                  |
| 75    | 0     | 0    | 0   | 1    | 3      | 1       | 2                |
| 80    | 0     | 0    | 0   | 0    | 0      | 0       |                  |
| 85    | 0     | 0    | 0   | 0    | 0      | 0       | 0                |
| 90    | 0     | 0    | 0   | 0    | 0      | 0       |                  |
| 95    | 14    | 68   | 63  | 56   | 54     | 55      | 67               |
| 100   | 43    | 117  | 184 | 181  | 181    | 149     |                  |
| 105   | 78    | 169  | 233 | 305  | 311    | 225     | 228              |
| 110   | 114   | 205  | 261 | 328  | 357    | 257     |                  |
| 115   | 151   | 228  | 309 | 346  | 368    | 286     | 284              |
| 120   | 188   | 252  | 340 | 386  | 400    | 318     |                  |
| 125   | 223   | 278  | 360 | 412  | 432    | 345     | 307              |
| 130   | 257   | 303  | 375 | 428  | 448    | 365     |                  |
| 135   | 288   | 327  | 389 | 435  | 457    | 381     | 294              |
| 140   | 318   | 348  | 402 | 441  | 462    | 395     |                  |
| 145   | 344   | 367  | 411 | 446  | 465    | 407     | 255              |
| 150   | 368   | 384  | 419 | 448  | 466    | 417     |                  |
| 155   | 388   | 399  | 425 | 448  | 464    | 425     | 196              |
| 160   | 406   | 412  | 431 | 447  | 460    | 431     |                  |
| 165   | 421   | 423  | 435 | 444  | 454    | 435     | 123              |
| 170   | 432   | 432  | 436 | 440  | 447    | 437     |                  |
| 175   | 439   | 437  | 437 | 436  | 441    | 437     | 42               |
| 180   | 438   | 438  | 438 | 438  | 438    | 438     |                  |



COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

| CC<br>WALL | 90    |       |       |      | 80    |       |       |      | 70    |       |       |      | 50    |       |      |       | 30    |      |       |       | 10   |      |    |    | 0 |
|------------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|------|----|----|---|
|            | 70    | 50    | 30    | 10   | 70    | 50    | 30    | 10   | 70    | 50    | 30    | 10   | 50    | 30    | 10   | 50    | 30    | 10   | 50    | 30    | 10   | 50   | 30 | 10 | 0 |
| RCR        |       |       |       |      |       |       |       |      |       |       |       |      |       |       |      |       |       |      |       |       |      |      |    |    |   |
| 0          | 0.900 | 0.900 | 0.900 | 0.90 | 0.800 | 0.800 | 0.800 | 0.80 | 0.710 | 0.710 | 0.710 | 0.71 | 0.540 | 0.540 | 0.54 | 0.380 | 0.380 | 0.38 | 0.240 | 0.240 | 0.24 | 0.17 |    |    |   |
| 1          | 0.820 | 0.790 | 0.760 | 0.73 | 0.740 | 0.710 | 0.680 | 0.66 | 0.650 | 0.630 | 0.610 | 0.58 | 0.480 | 0.470 | 0.46 | 0.350 | 0.340 | 0.33 | 0.220 | 0.220 | 0.21 | 0.16 |    |    |   |
| 2          | 0.750 | 0.690 | 0.640 | 0.60 | 0.680 | 0.630 | 0.580 | 0.55 | 0.600 | 0.560 | 0.520 | 0.49 | 0.430 | 0.410 | 0.39 | 0.310 | 0.300 | 0.29 | 0.200 | 0.200 | 0.19 | 0.14 |    |    |   |
| 3          | 0.690 | 0.620 | 0.560 | 0.51 | 0.620 | 0.560 | 0.510 | 0.46 | 0.550 | 0.500 | 0.460 | 0.42 | 0.390 | 0.360 | 0.33 | 0.280 | 0.270 | 0.25 | 0.190 | 0.180 | 0.17 | 0.13 |    |    |   |
| 4          | 0.640 | 0.550 | 0.480 | 0.43 | 0.570 | 0.500 | 0.440 | 0.40 | 0.510 | 0.450 | 0.400 | 0.36 | 0.350 | 0.310 | 0.29 | 0.260 | 0.240 | 0.22 | 0.170 | 0.160 | 0.15 | 0.12 |    |    |   |
| 5          | 0.590 | 0.480 | 0.420 | 0.37 | 0.530 | 0.440 | 0.390 | 0.34 | 0.470 | 0.400 | 0.350 | 0.31 | 0.310 | 0.280 | 0.25 | 0.230 | 0.210 | 0.19 | 0.160 | 0.150 | 0.14 | 0.11 |    |    |   |
| 6          | 0.540 | 0.440 | 0.370 | 0.33 | 0.490 | 0.400 | 0.340 | 0.30 | 0.430 | 0.360 | 0.310 | 0.27 | 0.280 | 0.250 | 0.22 | 0.210 | 0.190 | 0.17 | 0.150 | 0.130 | 0.12 | 0.10 |    |    |   |
| 7          | 0.500 | 0.400 | 0.330 | 0.28 | 0.450 | 0.360 | 0.300 | 0.26 | 0.400 | 0.320 | 0.270 | 0.24 | 0.260 | 0.220 | 0.20 | 0.190 | 0.170 | 0.15 | 0.130 | 0.120 | 0.11 | 0.09 |    |    |   |
| 8          | 0.460 | 0.360 | 0.290 | 0.25 | 0.420 | 0.330 | 0.270 | 0.23 | 0.370 | 0.290 | 0.240 | 0.21 | 0.230 | 0.200 | 0.17 | 0.180 | 0.150 | 0.14 | 0.120 | 0.110 | 0.10 | 0.08 |    |    |   |
| 9          | 0.430 | 0.320 | 0.260 | 0.22 | 0.380 | 0.290 | 0.240 | 0.20 | 0.340 | 0.270 | 0.220 | 0.19 | 0.210 | 0.180 | 0.15 | 0.160 | 0.140 | 0.12 | 0.110 | 0.100 | 0.09 | 0.07 |    |    |   |
| 10         | 0.400 | 0.290 | 0.230 | 0.19 | 0.360 | 0.270 | 0.210 | 0.18 | 0.320 | 0.240 | 0.200 | 0.16 | 0.190 | 0.160 | 0.14 | 0.150 | 0.120 | 0.11 | 0.100 | 0.090 | 0.08 | 0.06 |    |    |   |

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.  
BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.

TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST  
LUMINOUS OPENING OF LUMINAIRE.