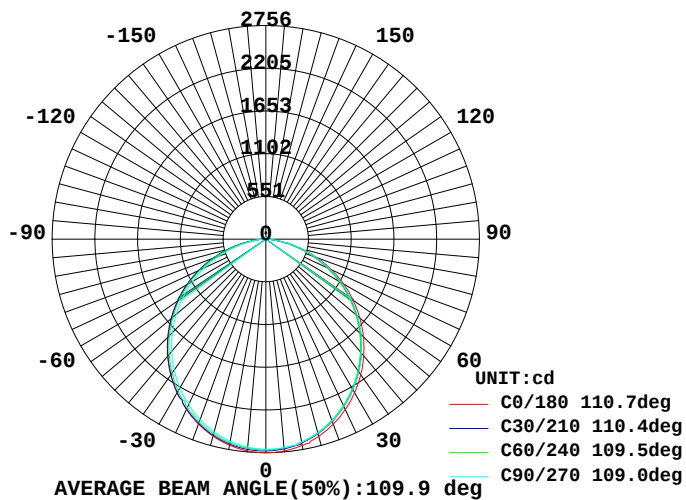


### STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

|                                                    |              |                      |             |
|----------------------------------------------------|--------------|----------------------|-------------|
| MANUFACTURER:                                      |              |                      |             |
| Address:                                           |              |                      |             |
| NAME: LPO Advanced 65x60x980 60W 5000K 82Ra Opal W |              | TYPE:                | WEIGHT:     |
| SPECIFICATION:                                     | CCT(K): 4914 | DIMENSION: 980x65x60 | SERIAL No.: |

|                    |        |                   |        |                     |        |
|--------------------|--------|-------------------|--------|---------------------|--------|
| MODEL:             |        | Imax(cd):         | 2756   | Effective Flux(lm): | 7537.5 |
| NOMINAL POWER(W):  | 62     | MAXIMUM(C, γ):    | 0, 0.0 | EEI                 | 0.111  |
| RATED VOLTAGE(V):  | 220    | EFFICIENCY(%):    | 100.0  | Voltage(V)          | 220.3  |
| NOMINAL FLUX(lm):  | 7537.5 | η street_up(%):   | 0.7    | Current(A)          | 0.287  |
| TEST FLUX(lm):     | 7537.5 | η street_down(%): | 49.2   | Power(W)            | 61.50  |
| LAMPS QUANTITY:    | 1      | η house_up(%):    | 0.7    | Power Factor        | 0.969  |
| TOTAL RADIANT(mw): | 7537.5 | η house_down(%):  | 49.4   | EEFICIENCY(lm/W)    | 122.6  |



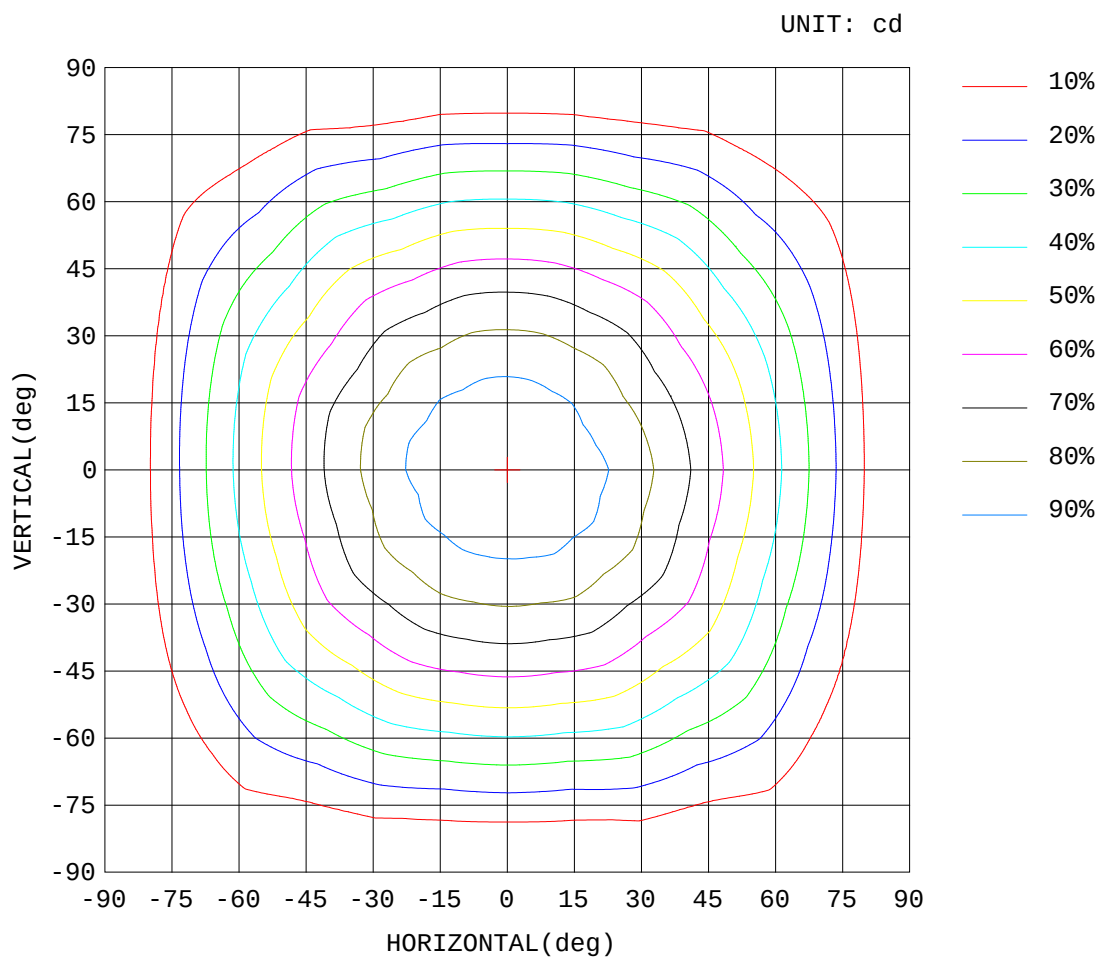
Temperature:25.3'C  
Operators:  
Test Date:20-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 82Ra. Flickering 0.4% Temp. 36.3C

# ISOCANDELA DIAGRAM

Report number:

|                                                    |              |                      |             |
|----------------------------------------------------|--------------|----------------------|-------------|
| MANUFACTURER:                                      |              |                      |             |
| Address:                                           |              |                      |             |
| NAME: LPO Advanced 65x60x980 60W 5000K 82Ra Opal W |              | TYPE:                | WEIGHT:     |
| SPECIFICATION:                                     | CCT(K): 4914 | DIMENSION: 980x65x60 | SERIAL No.: |



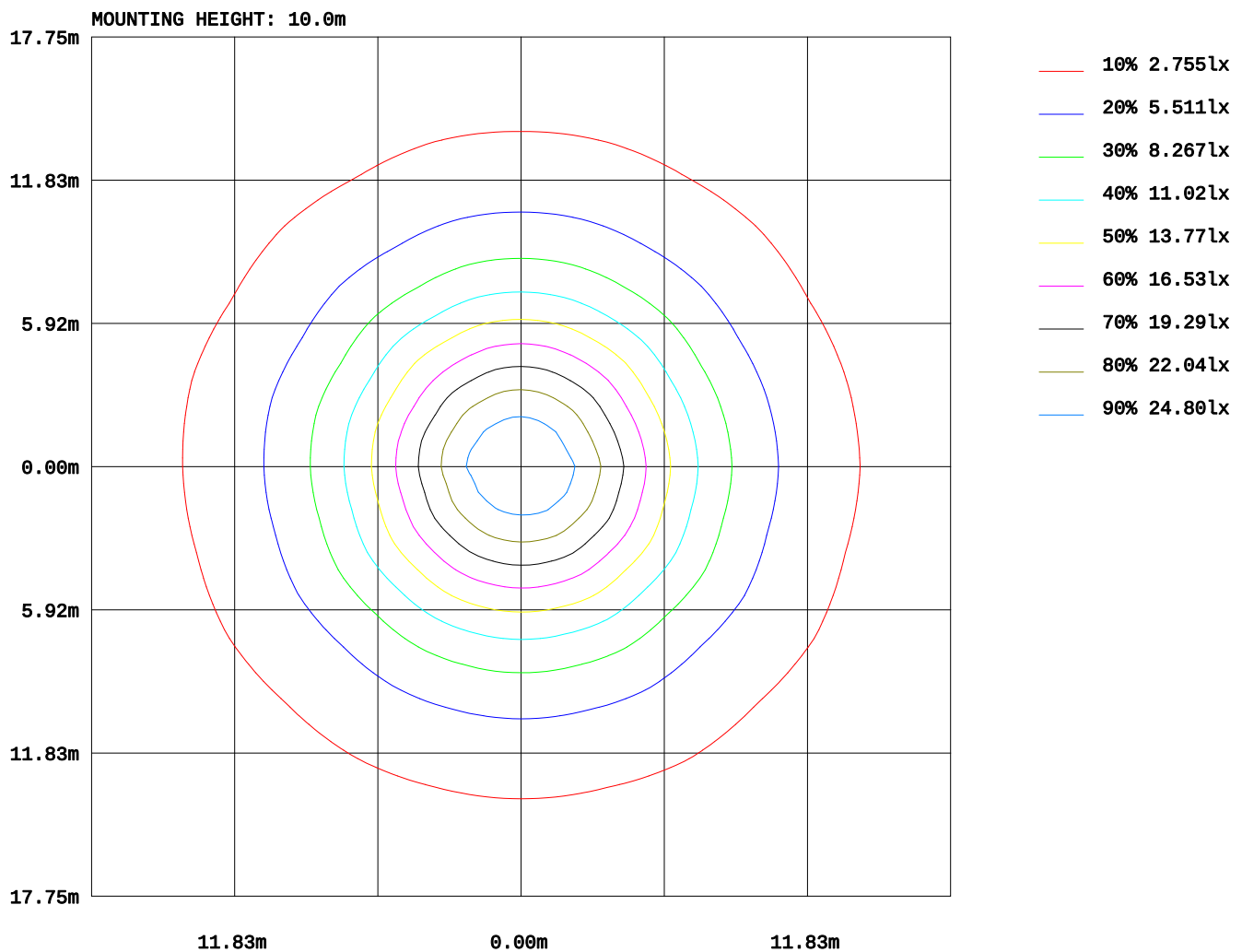
Temperature:25.3'C  
Operators:  
Test Date:20-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 82Ra. Flickering 0.4% Temp. 36.3C

### ISOLUX DIAGRAM

Report number:

|                                                    |              |                      |             |
|----------------------------------------------------|--------------|----------------------|-------------|
| MANUFACTURER:                                      |              |                      |             |
| Address:                                           |              |                      |             |
| NAME: LPO Advanced 65x60x980 60W 5000K 82Ra Opal W |              | TYPE:                | WEIGHT:     |
| SPECIFICATION:                                     | CCT(K): 4914 | DIMENSION: 980x65x60 | SERIAL No.: |



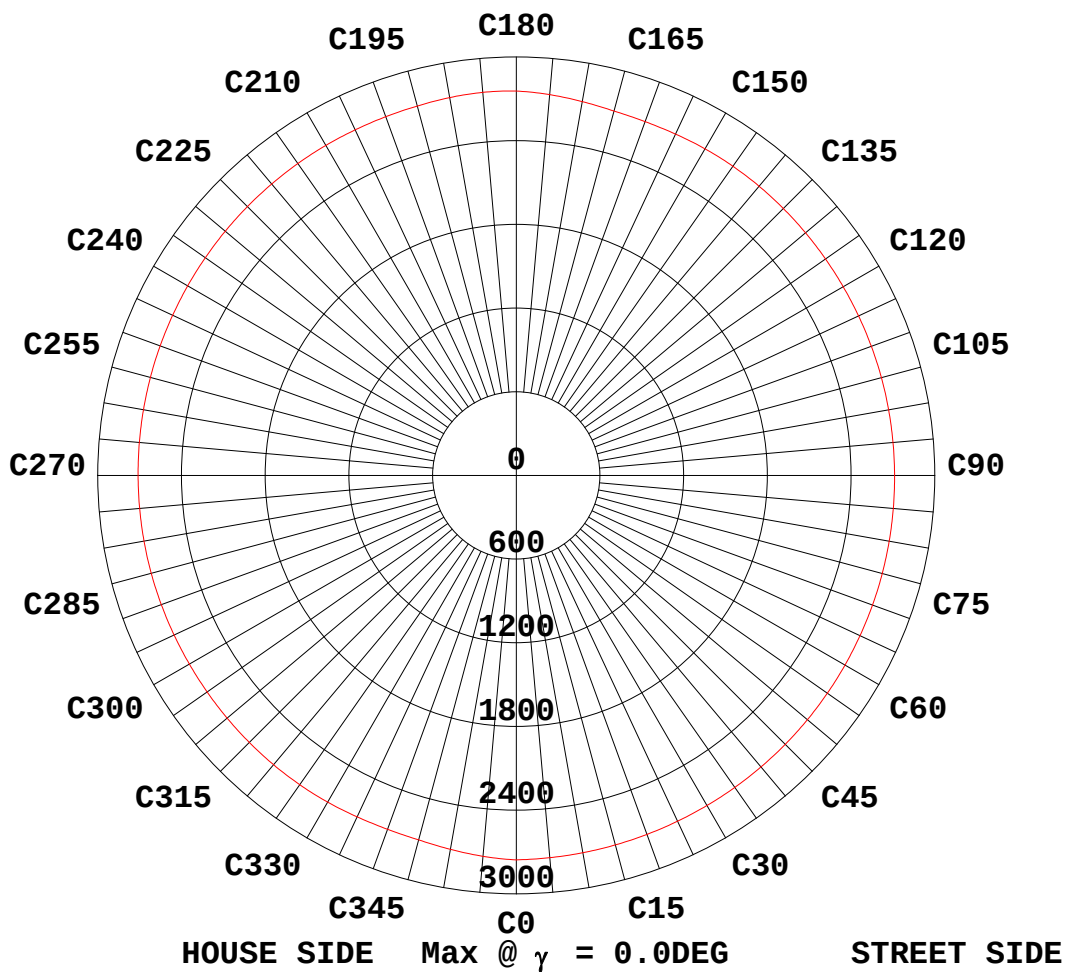
Temperature: 25.3°C  
Operators:  
Test Date: 20-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks: 82Ra. Flickering 0.4% Temp. 36.3C

ISOCANDELA DIAGRAM

Report number:

|                                                    |              |                      |             |
|----------------------------------------------------|--------------|----------------------|-------------|
| MANUFACTURER:                                      |              |                      |             |
| Address:                                           |              |                      |             |
| NAME: LPO Advanced 65x60x980 60W 5000K 82Ra Opal W |              | TYPE:                | WEIGHT:     |
| SPECIFICATION:                                     | CCT(K): 4914 | DIMENSION: 980x65x60 | SERIAL No.: |



Temperature: 25.3°C  
 Operators:  
 Test Date: 20-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 82Ra. Flickering 0.4% Temp. 36.3C

### LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|                                                    |              |                      |             |
|----------------------------------------------------|--------------|----------------------|-------------|
| MANUFACTURER:                                      |              |                      |             |
| Address:                                           |              |                      |             |
| NAME: LPO Advanced 65x60x980 60W 5000K 82Ra Opal W |              | TYPE:                | WEIGHT:     |
| SPECIFICATION:                                     | CCT(K): 4914 | DIMENSION: 980x65x60 | SERIAL No.: |

UNIT: cd

| C(deg)<br>γ (deg) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0               | 2756 | 2742 | 2733 | 2726 | 2720 | 2716 | 2711 | 2709 | 2706 | 2707 | 2705 | 2705 | 2756 | 2742 | 2733 |
| 5.0               | 2741 | 2726 | 2723 | 2710 | 2709 | 2699 | 2694 | 2694 | 2692 | 2692 | 2695 | 2692 | 2742 | 2731 | 2715 |
| 10.0              | 2700 | 2691 | 2685 | 2666 | 2669 | 2654 | 2648 | 2646 | 2651 | 2647 | 2659 | 2651 | 2702 | 2693 | 2669 |
| 15.0              | 2633 | 2609 | 2620 | 2597 | 2602 | 2583 | 2576 | 2576 | 2582 | 2578 | 2595 | 2585 | 2633 | 2630 | 2598 |
| 20.0              | 2539 | 2515 | 2532 | 2501 | 2512 | 2485 | 2478 | 2478 | 2488 | 2483 | 2509 | 2492 | 2541 | 2539 | 2501 |
| 25.0              | 2422 | 2397 | 2420 | 2382 | 2396 | 2364 | 2339 | 2357 | 2374 | 2365 | 2396 | 2378 | 2425 | 2426 | 2381 |
| 30.0              | 2290 | 2257 | 2287 | 2246 | 2262 | 2225 | 2221 | 2219 | 2238 | 2230 | 2266 | 2245 | 2288 | 2296 | 2245 |
| 35.0              | 2135 | 2103 | 2138 | 2088 | 2111 | 2066 | 2062 | 2060 | 2083 | 2074 | 2119 | 2092 | 2136 | 2144 | 2087 |
| 40.0              | 1964 | 1930 | 1970 | 1914 | 1941 | 1891 | 1888 | 1885 | 1915 | 1901 | 1952 | 1922 | 1965 | 1976 | 1913 |
| 45.0              | 1783 | 1747 | 1787 | 1732 | 1757 | 1707 | 1705 | 1702 | 1731 | 1719 | 1771 | 1742 | 1779 | 1798 | 1731 |
| 50.0              | 1586 | 1548 | 1597 | 1534 | 1566 | 1508 | 1508 | 1504 | 1535 | 1523 | 1583 | 1547 | 1585 | 1603 | 1532 |
| 55.0              | 1383 | 1339 | 1393 | 1326 | 1361 | 1300 | 1306 | 1296 | 1335 | 1316 | 1380 | 1341 | 1376 | 1397 | 1323 |
| 60.0              | 1165 | 1125 | 1178 | 1114 | 1147 | 1089 | 1091 | 1086 | 1121 | 1105 | 1167 | 1130 | 1157 | 1186 | 1110 |
| 65.0              | 940  | 899  | 961  | 889  | 932  | 866  | 871  | 863  | 901  | 882  | 951  | 907  | 935  | 963  | 884  |
| 70.0              | 715  | 668  | 733  | 662  | 707  | 640  | 652  | 638  | 682  | 655  | 725  | 679  | 703  | 735  | 655  |
| 75.0              | 485  | 445  | 507  | 442  | 483  | 424  | 431  | 422  | 459  | 437  | 500  | 457  | 473  | 512  | 435  |
| 80.0              | 268  | 219  | 296  | 220  | 277  | 206  | 172  | 204  | 256  | 216  | 291  | 232  | 245  | 295  | 212  |
| 85.0              | 109  | 62.4 | 128  | 65.1 | 116  | 58.2 | 85.5 | 57.5 | 101  | 63.4 | 126  | 71.6 | 78.1 | 126  | 59.6 |
| 90.0              | 17.2 | 5.50 | 24.0 | 5.40 | 21.9 | 5.00 | 15.9 | 5.00 | 17.9 | 5.10 | 22.9 | 5.30 | 5.90 | 23.2 | 5.60 |
| 95.0              | 14.8 | 6.80 | 14.5 | 6.30 | 14.1 | 6.10 | 13.7 | 6.10 | 14.1 | 6.30 | 14.5 | 6.60 | 7.20 | 15.0 | 6.90 |
| 100.0             | 14.7 | 8.20 | 14.3 | 7.70 | 13.7 | 7.40 | 13.6 | 7.40 | 13.9 | 7.60 | 14.1 | 7.90 | 8.80 | 14.8 | 8.29 |
| 105.0             | 15.0 | 9.60 | 14.5 | 9.00 | 14.0 | 8.70 | 13.9 | 8.70 | 14.1 | 9.00 | 14.4 | 9.40 | 10.4 | 15.2 | 9.80 |
| 110.0             | 15.8 | 11.1 | 15.0 | 10.4 | 14.5 | 10.1 | 14.5 | 10.1 | 14.5 | 10.4 | 14.9 | 10.9 | 12.1 | 15.8 | 11.3 |
| 115.0             | 16.6 | 12.6 | 15.8 | 11.8 | 15.2 | 11.5 | 15.2 | 11.5 | 15.2 | 11.9 | 15.7 | 12.3 | 13.7 | 16.5 | 12.8 |
| 120.0             | 17.7 | 14.1 | 16.6 | 13.3 | 16.1 | 13.0 | 16.2 | 13.0 | 16.2 | 13.3 | 16.5 | 13.7 | 15.4 | 17.6 | 14.3 |
| 125.0             | 18.9 | 15.6 | 17.7 | 14.8 | 17.2 | 14.4 | 17.4 | 14.4 | 17.2 | 14.7 | 17.6 | 15.4 | 17.0 | 18.7 | 15.8 |
| 130.0             | 20.1 | 17.2 | 18.7 | 16.3 | 18.2 | 16.0 | 18.4 | 15.9 | 18.4 | 16.2 | 18.7 | 17.0 | 18.6 | 20.0 | 17.2 |
| 135.0             | 21.2 | 18.6 | 19.9 | 17.6 | 19.4 | 17.4 | 19.6 | 17.2 | 19.4 | 17.6 | 19.9 | 18.5 | 20.1 | 21.1 | 18.7 |
| 140.0             | 22.4 | 19.9 | 21.0 | 19.0 | 20.5 | 18.7 | 20.6 | 18.7 | 20.5 | 18.9 | 21.1 | 19.9 | 21.4 | 22.4 | 20.1 |
| 145.0             | 23.4 | 21.1 | 22.0 | 20.2 | 21.6 | 20.2 | 21.6 | 19.9 | 21.5 | 20.2 | 22.2 | 21.2 | 22.6 | 23.5 | 21.4 |
| 150.0             | 24.2 | 22.3 | 23.0 | 21.5 | 22.7 | 21.5 | 22.6 | 21.1 | 22.5 | 21.5 | 23.1 | 22.6 | 23.7 | 24.6 | 22.6 |
| 155.0             | 25.0 | 23.4 | 23.9 | 22.7 | 23.7 | 22.9 | 23.6 | 22.3 | 23.5 | 22.6 | 24.2 | 23.7 | 24.6 | 25.5 | 23.7 |
| 160.0             | 25.9 | 24.4 | 24.7 | 23.7 | 24.7 | 24.1 | 24.6 | 23.4 | 24.5 | 23.7 | 25.0 | 24.6 | 25.7 | 26.3 | 24.6 |
| 165.0             | 26.6 | 25.2 | 25.7 | 24.6 | 25.6 | 25.0 | 25.6 | 24.4 | 25.4 | 24.6 | 25.9 | 25.5 | 26.6 | 26.9 | 25.5 |
| 170.0             | 27.4 | 25.9 | 26.4 | 25.5 | 26.3 | 25.9 | 26.6 | 25.2 | 26.1 | 25.5 | 26.6 | 26.1 | 27.4 | 27.2 | 26.1 |
| 175.0             | 28.0 | 26.4 | 26.9 | 26.1 | 26.9 | 26.4 | 27.4 | 26.0 | 26.8 | 26.1 | 27.1 | 26.4 | 27.9 | 27.5 | 26.4 |
| 180.0             | 28.2 | 27.1 | 27.2 | 26.6 | 27.2 | 26.6 | 27.7 | 26.6 | 27.1 | 26.4 | 27.2 | 26.6 | 28.4 | 27.5 | 27.2 |

Temperature:25.3'C  
Operators:  
Test Date:20-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 82Ra. Flickering 0.4% Temp. 36.3C

### LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|                                                    |              |                      |             |
|----------------------------------------------------|--------------|----------------------|-------------|
| MANUFACTURER:                                      |              |                      |             |
| Address:                                           |              |                      |             |
| NAME: LPO Advanced 65x60x980 60W 5000K 82Ra Opal W |              | TYPE:                | WEIGHT:     |
| SPECIFICATION:                                     | CCT(K): 4914 | DIMENSION: 980x65x60 | SERIAL No.: |

UNIT: cd

| C(deg)<br>γ (deg) | 225  | 240  | 255  | 270  | 285  | 300  | 315  | 330  | 345  |
|-------------------|------|------|------|------|------|------|------|------|------|
| 0.0               | 2726 | 2720 | 2716 | 2711 | 2709 | 2706 | 2707 | 2705 | 2705 |
| 5.0               | 2714 | 2703 | 2704 | 2700 | 2697 | 2692 | 2694 | 2688 | 2691 |
| 10.0              | 2674 | 2657 | 2662 | 2660 | 2656 | 2649 | 2653 | 2641 | 2650 |
| 15.0              | 2606 | 2586 | 2594 | 2591 | 2588 | 2578 | 2586 | 2570 | 2583 |
| 20.0              | 2515 | 2488 | 2503 | 2499 | 2497 | 2482 | 2495 | 2473 | 2493 |
| 25.0              | 2400 | 2367 | 2386 | 2382 | 2379 | 2366 | 2380 | 2353 | 2379 |
| 30.0              | 2265 | 2229 | 2250 | 2245 | 2242 | 2227 | 2244 | 2217 | 2246 |
| 35.0              | 2114 | 2071 | 2098 | 2092 | 2091 | 2071 | 2094 | 2061 | 2098 |
| 40.0              | 1945 | 1896 | 1928 | 1920 | 1921 | 1902 | 1925 | 1888 | 1930 |
| 45.0              | 1762 | 1714 | 1744 | 1736 | 1737 | 1717 | 1742 | 1708 | 1749 |
| 50.0              | 1570 | 1515 | 1553 | 1544 | 1547 | 1521 | 1553 | 1510 | 1560 |
| 55.0              | 1365 | 1307 | 1349 | 1338 | 1342 | 1319 | 1349 | 1303 | 1356 |
| 60.0              | 1150 | 1095 | 1135 | 1124 | 1130 | 1105 | 1136 | 1093 | 1142 |
| 65.0              | 934  | 872  | 920  | 909  | 915  | 883  | 921  | 870  | 927  |
| 70.0              | 709  | 646  | 697  | 684  | 693  | 664  | 698  | 644  | 702  |
| 75.0              | 484  | 429  | 476  | 462  | 473  | 443  | 476  | 427  | 478  |
| 80.0              | 277  | 210  | 271  | 244  | 269  | 222  | 271  | 207  | 271  |
| 85.0              | 115  | 60.1 | 113  | 82.8 | 111  | 70.9 | 112  | 57.3 | 110  |
| 90.0              | 21.0 | 5.30 | 21.2 | 7.70 | 20.6 | 5.50 | 19.3 | 5.50 | 18.0 |
| 95.0              | 14.5 | 6.40 | 14.1 | 5.90 | 14.1 | 6.20 | 14.4 | 6.80 | 14.8 |
| 100.0             | 14.3 | 7.80 | 13.7 | 7.20 | 13.7 | 7.50 | 14.2 | 8.10 | 14.7 |
| 105.0             | 14.5 | 9.09 | 14.1 | 8.60 | 14.0 | 8.90 | 14.5 | 9.60 | 15.0 |
| 110.0             | 15.2 | 10.5 | 14.7 | 10.1 | 14.5 | 10.3 | 15.0 | 11.1 | 15.7 |
| 115.0             | 16.0 | 12.1 | 15.5 | 11.5 | 15.4 | 11.8 | 15.8 | 12.5 | 16.5 |
| 120.0             | 17.0 | 13.6 | 16.4 | 13.0 | 16.3 | 13.3 | 16.7 | 14.0 | 17.5 |
| 125.0             | 18.0 | 15.0 | 17.5 | 14.5 | 17.4 | 14.7 | 17.8 | 15.5 | 18.6 |
| 130.0             | 19.2 | 16.5 | 18.6 | 16.1 | 18.5 | 16.2 | 18.7 | 16.9 | 19.6 |
| 135.0             | 20.2 | 17.9 | 19.6 | 17.6 | 19.6 | 17.6 | 20.0 | 18.2 | 20.8 |
| 140.0             | 21.2 | 19.3 | 20.8 | 18.9 | 20.8 | 19.0 | 21.0 | 19.6 | 21.9 |
| 145.0             | 22.3 | 20.5 | 21.7 | 20.1 | 21.9 | 20.2 | 22.0 | 20.8 | 22.9 |
| 150.0             | 23.2 | 21.6 | 22.7 | 21.2 | 23.0 | 21.6 | 23.0 | 22.0 | 23.8 |
| 155.0             | 24.2 | 22.9 | 23.8 | 22.4 | 24.2 | 22.7 | 24.0 | 23.0 | 24.6 |
| 160.0             | 25.2 | 23.9 | 24.6 | 23.7 | 25.2 | 23.8 | 24.7 | 23.9 | 25.4 |
| 165.0             | 26.0 | 24.9 | 25.6 | 24.9 | 26.1 | 24.7 | 25.6 | 24.7 | 26.0 |
| 170.0             | 26.6 | 25.7 | 26.4 | 25.9 | 26.6 | 25.5 | 26.3 | 25.6 | 26.6 |
| 175.0             | 27.1 | 26.3 | 27.0 | 26.8 | 27.1 | 26.1 | 26.9 | 26.1 | 27.0 |
| 180.0             | 26.6 | 27.2 | 26.6 | 27.2 | 26.6 | 27.1 | 26.4 | 27.2 | 26.6 |

Temperature:25.3'C  
Operators:  
Test Date:20-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 82Ra. Flickering 0.4% Temp. 36.3C