

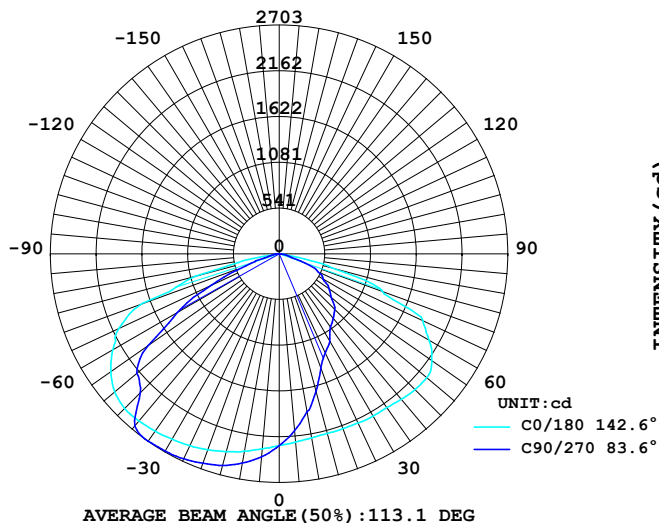
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

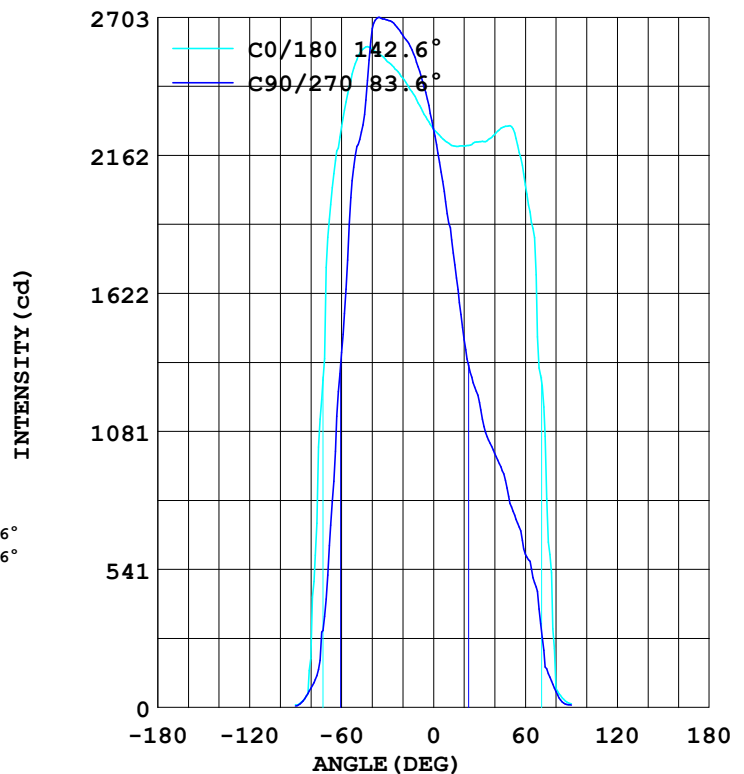
|                                  |                           |             |
|----------------------------------|---------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH        | Address:                  |             |
| NAME: Agnes B                    | TYPE: IL-PO29B-N0652C-TY3 | WEIGHT:     |
| SPECIFICATION: 2835LED、3000K、TY3 | DIMENSION:                | SERIAL No.: |

|                   |        |                    |        |                   |       |
|-------------------|--------|--------------------|--------|-------------------|-------|
| DATA OF LAMP      |        | Imax(cd)           | 2787   | S/MH (C0/180)     | 1.71  |
| MODEL             |        | EFFICIENCY (%)     | 100.0  | S/MH (C90/270)    | 1.71  |
| NOMINAL POWER(W)  | 64     | TOTAL FLUX(lm)     | 7752.3 | Voltage(V)        | 220.0 |
| RATED VOLTAGE (V) | 220    | EFFICIENCY (lm/W)  | 121.6  | Current(A)        | 0.296 |
| NOMINAL FLUX(lm)  | 7752.4 | $\eta$ up (%)      | 0.0    | Power(W)          | 63.73 |
| LAMPS QUANTITY    | 1      | $\eta$ down (%)    | 100.0  | Power Factor (PF) | 0.976 |
| TEST VOLTAGE (V)  | 220.0  | Effective Flux(lm) | 7752.4 | EEL               | 0.123 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



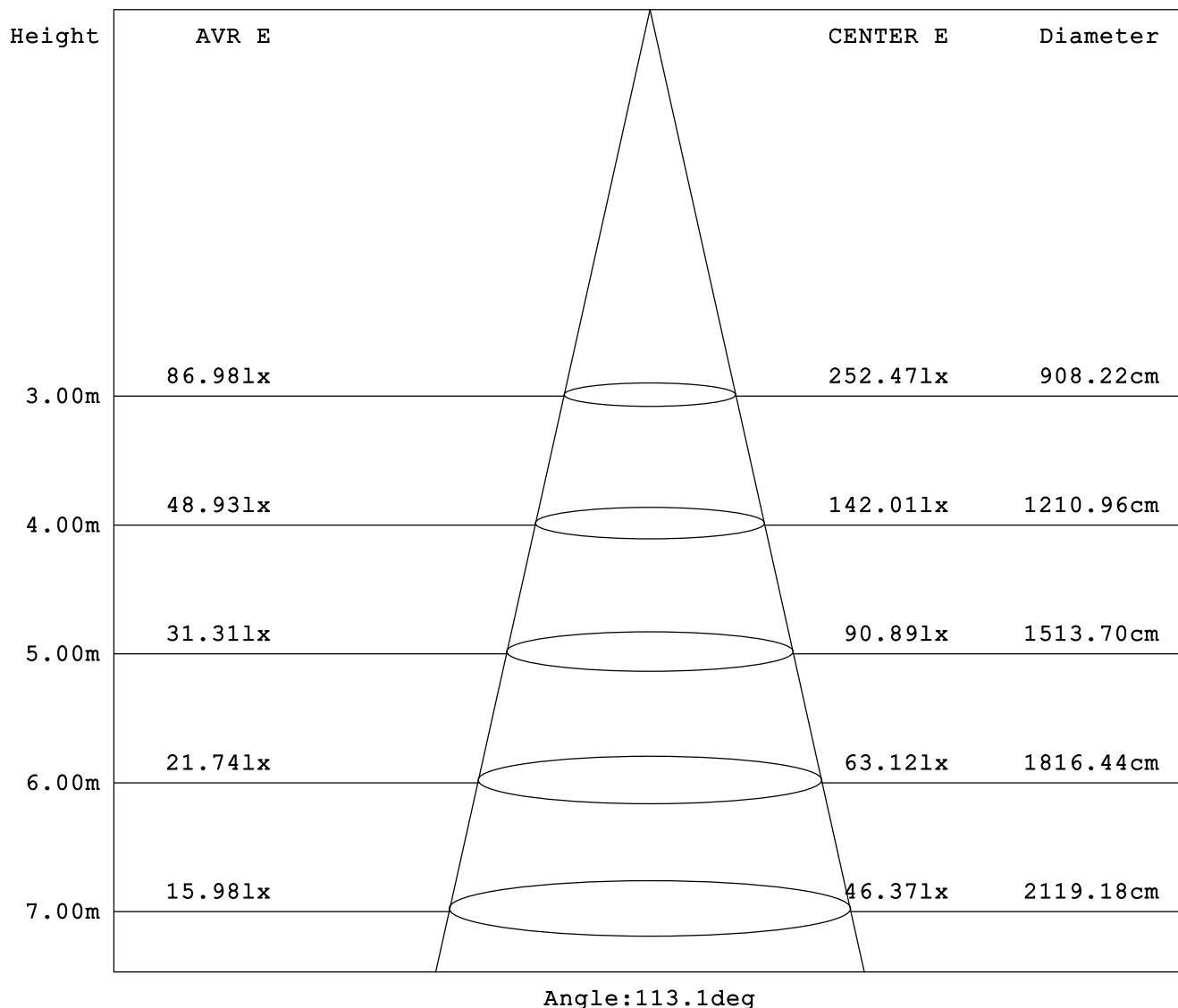
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025.07.18

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks:

## AVERAGE AND CENTER E Figure

Report number:

|                                  |                           |             |
|----------------------------------|---------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH        | Address:                  |             |
| NAME: Agnes B                    | TYPE: IL-PO29B-N0652C-TY3 | WEIGHT:     |
| SPECIFICATION: 2835LED、3000K、TY3 | DIMENSION:                | SERIAL No.: |



Test System:  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025.07.18

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

## ZONAL FLUX DIAGRAM

Report number:

|                                  |                           |             |
|----------------------------------|---------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH        | Address:                  |             |
| NAME: Agnes B                    | TYPE: IL-PO29B-N0652C-TY3 | WEIGHT:     |
| SPECIFICATION: 2835LED、3000K、TY3 | DIMENSION:                | SERIAL No.: |

| γ     | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Zone    | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 5.0   | 2313                  | 2405  | 2409  | 2331  | 2233  | 2151  | 2096  | 2205  | 0- 5    | 54.24   | 54.24 |
| 10.0  | 2368                  | 2516  | 2508  | 2397  | 2210  | 1983  | 1896  | 2133  | 5- 10   | 161.6   | 215.9 |
| 15.0  | 2419                  | 2615  | 2588  | 2455  | 2197  | 1810  | 1681  | 2081  | 10- 15  | 265.7   | 481.7 |
| 20.0  | 2465                  | 2693  | 2633  | 2517  | 2199  | 1669  | 1440  | 1978  | 15- 20  | 364.8   | 846.5 |
| 25.0  | 2501                  | 2745  | 2673  | 2552  | 2204  | 1538  | 1293  | 1848  | 20- 25  | 457.4   | 1304  |
| 30.0  | 2530                  | 2776  | 2692  | 2557  | 2216  | 1414  | 1195  | 1696  | 25- 30  | 544.3   | 1848  |
| 35.0  | 2557                  | 2787  | 2703  | 2564  | 2219  | 1290  | 1060  | 1527  | 30- 35  | 621.4   | 2470  |
| 40.0  | 2578                  | 2782  | 2658  | 2541  | 2244  | 1159  | 996.1 | 1310  | 35- 40  | 687.7   | 3158  |
| 45.0  | 2582                  | 2749  | 2322  | 2493  | 2271  | 992.7 | 927.3 | 1091  | 40- 45  | 736.6   | 3894  |
| 50.0  | 2536                  | 2667  | 2197  | 2391  | 2278  | 890.1 | 799.6 | 940.7 | 45- 50  | 757.7   | 4652  |
| 55.0  | 2431                  | 2301  | 1891  | 2060  | 2202  | 781.1 | 721.2 | 760.7 | 50- 55  | 755.1   | 5407  |
| 60.0  | 2273                  | 2034  | 1390  | 1864  | 2046  | 626.6 | 600.7 | 589.5 | 55- 60  | 713.0   | 6120  |
| 65.0  | 2090                  | 1641  | 885.2 | 1514  | 1876  | 506.6 | 508.2 | 443.5 | 60- 65  | 633.3   | 6753  |
| 70.0  | 1723                  | 1122  | 424.6 | 1025  | 1299  | 363.4 | 327.2 | 264.6 | 65- 70  | 499.7   | 7253  |
| 75.0  | 1019                  | 404.3 | 148.2 | 503.4 | 647.9 | 173.4 | 131.7 | 84.81 | 70- 75  | 311.7   | 7565  |
| 80.0  | 192.9                 | 92.27 | 74.11 | 143.1 | 73.98 | 59.54 | 62.50 | 30.24 | 75- 80  | 137.6   | 7702  |
| 85.0  | 27.22                 | 34.15 | 26.15 | 59.69 | 32.30 | 17.43 | 16.55 | 5.221 | 80- 85  | 40.01   | 7742  |
| 90.0  | 10.86                 | 11.72 | 5.452 | 20.09 | 14.25 | 6.015 | 9.491 | 6.304 | 85- 90  | 9.910   | 7752  |
| 95.0  |                       |       |       |       |       |       |       |       | 90- 95  |         |       |
| 100.0 |                       |       |       |       |       |       |       |       | 95-100  |         |       |
| 105.0 |                       |       |       |       |       |       |       |       | 100-105 |         |       |
| 110.0 |                       |       |       |       |       |       |       |       | 105-110 |         |       |
| 115.0 |                       |       |       |       |       |       |       |       | 110-115 |         |       |
| 120.0 |                       |       |       |       |       |       |       |       | 115-120 |         |       |
| 125.0 |                       |       |       |       |       |       |       |       | 120-125 |         |       |
| 130.0 |                       |       |       |       |       |       |       |       | 125-130 |         |       |
| 135.0 |                       |       |       |       |       |       |       |       | 130-135 |         |       |
| 140.0 |                       |       |       |       |       |       |       |       | 135-140 |         |       |
| 145.0 |                       |       |       |       |       |       |       |       | 140-145 |         |       |
| 150.0 |                       |       |       |       |       |       |       |       | 145-150 |         |       |
| 155.0 |                       |       |       |       |       |       |       |       | 150-155 |         |       |
| 160.0 |                       |       |       |       |       |       |       |       | 155-160 |         |       |
| 165.0 |                       |       |       |       |       |       |       |       | 160-165 |         |       |
| 170.0 |                       |       |       |       |       |       |       |       | 165-170 |         |       |
| 175.0 |                       |       |       |       |       |       |       |       | 170-175 |         |       |
| 180.0 |                       |       |       |       |       |       |       |       | 175-180 |         |       |
| DEG   | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |       |

Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2025.07.18

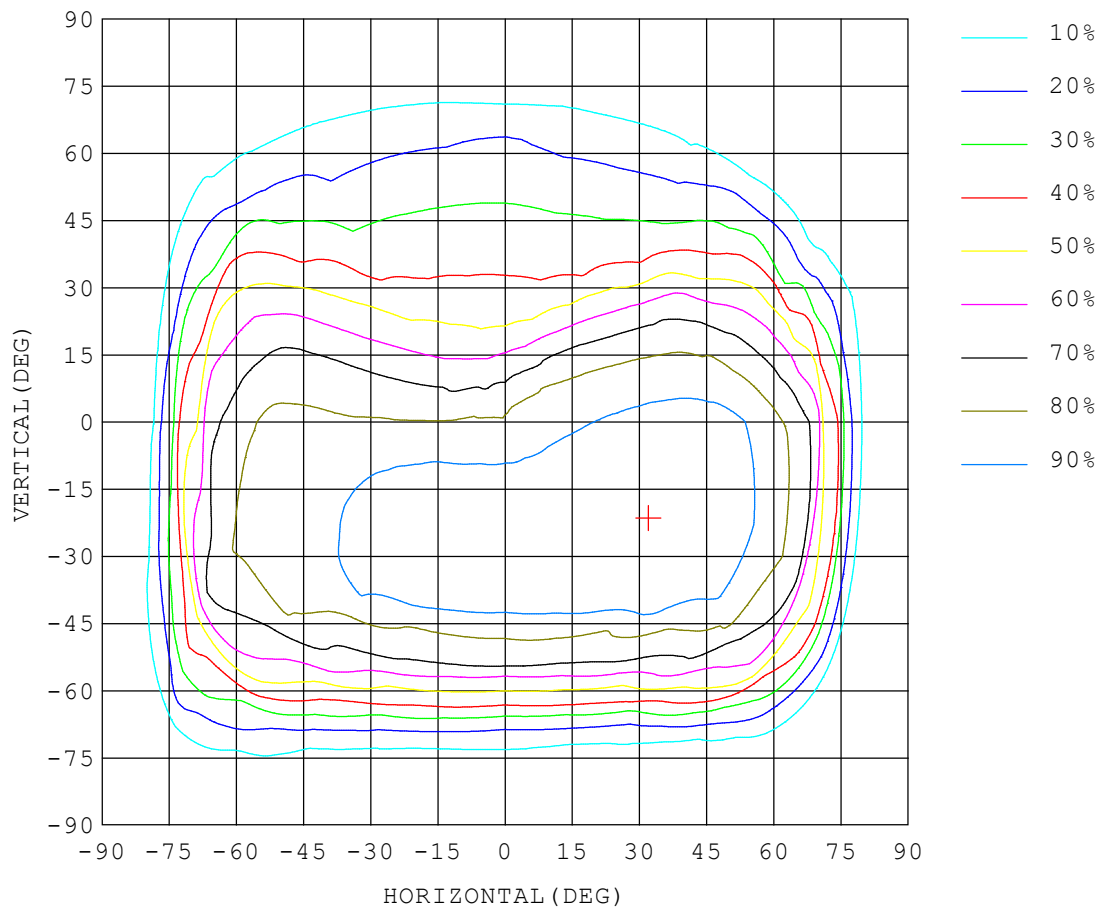
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

## ISOCANDELA DIAGRAM

Report number:

|                                  |                           |             |
|----------------------------------|---------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH        | Address:                  |             |
| NAME: Agnes B                    | TYPE: IL-PO29B-N0652C-TY3 | WEIGHT:     |
| SPECIFICATION: 2835LED、3000K、TY3 | DIMENSION:                | SERIAL No.: |

UNIT: cd



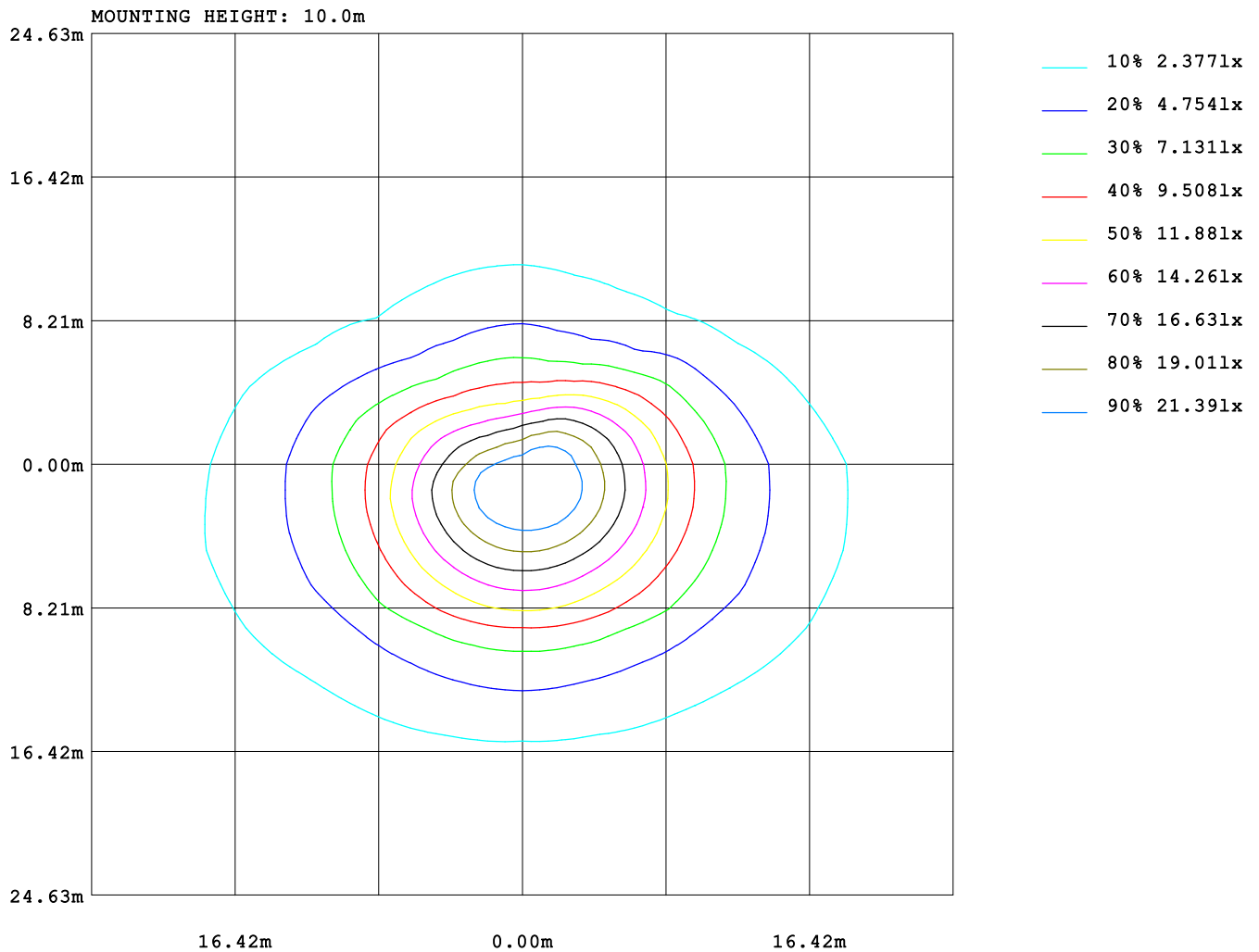
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025.07.18

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

|                                  |                           |             |
|----------------------------------|---------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH        | Address:                  |             |
| NAME: Agnes B                    | TYPE: IL-PO29B-N0652C-TY3 | WEIGHT:     |
| SPECIFICATION: 2835LED、3000K、TY3 | DIMENSION:                | SERIAL No.: |



Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025.07.18

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|   |                                  |                    |
|---|----------------------------------|--------------------|
| <b>MANUFACTURER: ILUMEN GMBH</b>        | <b>Address:</b>                  |                    |
| <b>NAME: Agnes B</b>                    | <b>TYPE: IL-PO29B-N0652C-TY3</b> | <b>WEIGHT:</b>     |
| <b>SPECIFICATION: 2835LED、3000K、TY3</b> | <b>DIMENSION:</b>                | <b>SERIAL No.:</b> |

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0                | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 |
| 5.0                | 2313 | 2351 | 2382 | 2405 | 2416 | 2422 | 2409 | 2392 | 2363 | 2331 | 2296 | 2261 | 2233 | 2193 | 2146 |
| 10.0               | 2368 | 2434 | 2479 | 2516 | 2526 | 2531 | 2508 | 2487 | 2441 | 2397 | 2337 | 2272 | 2210 | 2155 | 2027 |
| 15.0               | 2419 | 2509 | 2573 | 2615 | 2622 | 2620 | 2588 | 2562 | 2507 | 2455 | 2382 | 2291 | 2197 | 2089 | 1932 |
| 20.0               | 2465 | 2578 | 2654 | 2693 | 2686 | 2672 | 2633 | 2609 | 2566 | 2517 | 2427 | 2316 | 2199 | 2053 | 1854 |
| 25.0               | 2501 | 2635 | 2711 | 2745 | 2727 | 2715 | 2673 | 2652 | 2598 | 2552 | 2458 | 2340 | 2204 | 2031 | 1778 |
| 30.0               | 2530 | 2676 | 2751 | 2776 | 2745 | 2733 | 2692 | 2679 | 2624 | 2557 | 2470 | 2352 | 2216 | 2015 | 1707 |
| 35.0               | 2557 | 2711 | 2774 | 2787 | 2737 | 2732 | 2703 | 2678 | 2615 | 2564 | 2458 | 2349 | 2219 | 2008 | 1629 |
| 40.0               | 2578 | 2735 | 2778 | 2782 | 2715 | 2710 | 2658 | 2650 | 2585 | 2541 | 2438 | 2333 | 2244 | 1998 | 1545 |
| 45.0               | 2582 | 2743 | 2771 | 2749 | 2613 | 2428 | 2322 | 2355 | 2458 | 2493 | 2399 | 2314 | 2271 | 1964 | 1443 |
| 50.0               | 2536 | 2689 | 2727 | 2667 | 2254 | 2209 | 2197 | 2168 | 2180 | 2391 | 2364 | 2294 | 2278 | 1921 | 1319 |
| 55.0               | 2431 | 2591 | 2628 | 2301 | 2091 | 1947 | 1891 | 1941 | 1998 | 2060 | 2318 | 2292 | 2202 | 1808 | 1115 |
| 60.0               | 2273 | 2444 | 2448 | 2034 | 1646 | 1458 | 1390 | 1461 | 1598 | 1864 | 2185 | 2242 | 2046 | 1617 | 938  |
| 65.0               | 2090 | 2255 | 2031 | 1641 | 1183 | 959  | 885  | 1017 | 1181 | 1514 | 1842 | 2114 | 1876 | 1354 | 746  |
| 70.0               | 1723 | 1930 | 1673 | 1122 | 582  | 445  | 425  | 532  | 666  | 1025 | 1562 | 1965 | 1299 | 785  | 446  |
| 75.0               | 1019 | 1242 | 840  | 404  | 167  | 162  | 148  | 205  | 281  | 503  | 939  | 1280 | 648  | 388  | 242  |
| 80.0               | 193  | 233  | 221  | 92.2 | 68.9 | 82.3 | 74.1 | 95.7 | 96.6 | 143  | 430  | 788  | 73.9 | 84.1 | 77.3 |
| 85.0               | 27.2 | 40.2 | 22.9 | 34.1 | 21.9 | 34.1 | 26.1 | 42.7 | 38.9 | 59.6 | 64.3 | 184  | 32.3 | 17.5 | 26.3 |
| 90.0               | 10.8 | 14.3 | 5.97 | 11.7 | 5.08 | 10.8 | 5.45 | 12.4 | 9.53 | 20.0 | 17.1 | 27.0 | 14.2 | 7.55 | 11.8 |

Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025.07.18

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|   |                                  |                    |
|---|----------------------------------|--------------------|
| <b>MANUFACTURER: ILUMEN GMBH</b>        | <b>Address:</b>                  |                    |
| <b>NAME: Agnes B</b>                    | <b>TYPE: IL-PO29B-N0652C-TY3</b> | <b>WEIGHT:</b>     |
| <b>SPECIFICATION: 2835LED、3000K、TY3</b> | <b>DIMENSION:</b>                | <b>SERIAL No.:</b> |

UNIT: cd

| C (DEG)<br>γ (DEG) | 225  | 240  | 255  | 270  | 285  | 300  | 315  | 330  | 345  |
|--------------------|------|------|------|------|------|------|------|------|------|
| 0.0                | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 | 2266 |
| 5.0                | 2151 | 2090 | 2125 | 2096 | 2161 | 2160 | 2205 | 2248 | 2284 |
| 10.0               | 1983 | 1915 | 1901 | 1896 | 1978 | 2035 | 2133 | 2221 | 2295 |
| 15.0               | 1810 | 1712 | 1659 | 1681 | 1764 | 1883 | 2081 | 2183 | 2303 |
| 20.0               | 1669 | 1532 | 1445 | 1440 | 1535 | 1747 | 1978 | 2146 | 2301 |
| 25.0               | 1538 | 1388 | 1315 | 1293 | 1328 | 1544 | 1848 | 2099 | 2293 |
| 30.0               | 1414 | 1270 | 1230 | 1195 | 1194 | 1343 | 1696 | 2032 | 2291 |
| 35.0               | 1290 | 1144 | 1079 | 1060 | 1039 | 1146 | 1527 | 1945 | 2273 |
| 40.0               | 1159 | 1013 | 1005 | 996  | 961  | 1003 | 1310 | 1849 | 2232 |
| 45.0               | 993  | 930  | 932  | 927  | 883  | 906  | 1091 | 1722 | 2129 |
| 50.0               | 890  | 844  | 820  | 800  | 755  | 795  | 941  | 1429 | 2009 |
| 55.0               | 781  | 709  | 712  | 721  | 669  | 658  | 761  | 1155 | 1799 |
| 60.0               | 627  | 617  | 601  | 601  | 552  | 554  | 590  | 914  | 1520 |
| 65.0               | 507  | 502  | 521  | 508  | 450  | 458  | 444  | 637  | 1078 |
| 70.0               | 363  | 359  | 360  | 327  | 296  | 271  | 265  | 305  | 597  |
| 75.0               | 173  | 156  | 142  | 132  | 106  | 113  | 84.8 | 96.1 | 104  |
| 80.0               | 59.5 | 76.1 | 59.5 | 62.5 | 44.4 | 48.8 | 30.2 | 36.4 | 21.9 |
| 85.0               | 17.4 | 24.4 | 11.5 | 16.5 | 7.24 | 13.7 | 5.22 | 13.0 | 5.69 |
| 90.0               | 6.01 | 10.0 | 5.09 | 9.49 | 5.33 | 9.82 | 6.30 | 11.4 | 7.43 |

Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025.07.18

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks: