

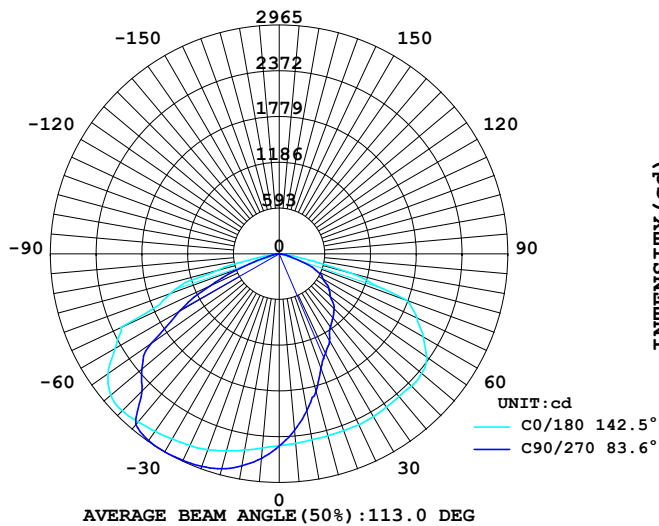
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

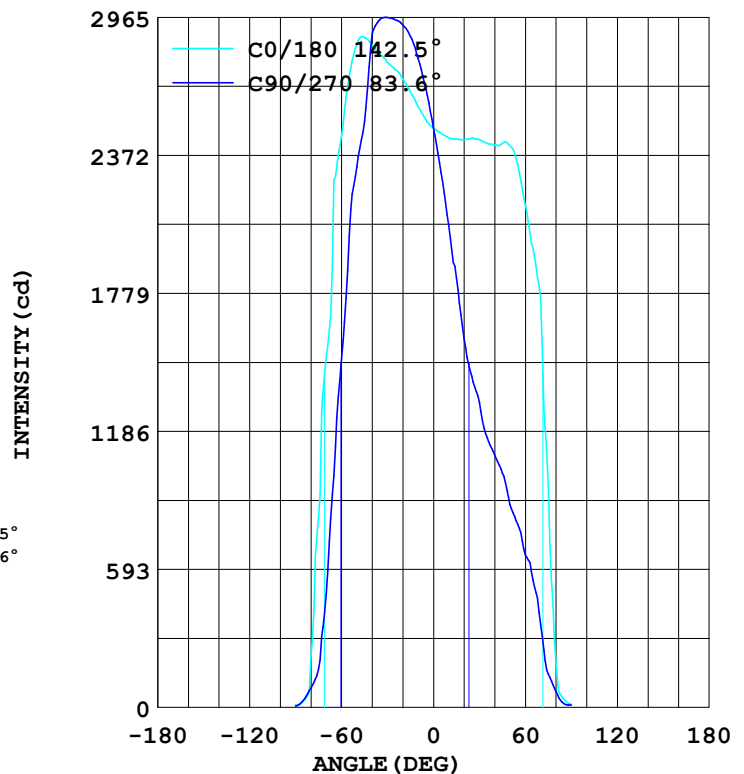
| | | |
|----------------------------------|---------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Agnes B | TYPE: IL-PO29B-N0652C-TY3 | WEIGHT: |
| SPECIFICATION: 2835LED、4000K、TY3 | DIMENSION: | SERIAL No.: |

| | | | | | |
|-------------------|--------|--------------------|--------|-------------------|-------|
| DATA OF LAMP | | Imax(cd) | 3038 | S/MH (C0/180) | 1.72 |
| MODEL | | EFFICIENCY (%) | 100.0 | S/MH (C90/270) | 1.68 |
| NOMINAL POWER(W) | 64 | TOTAL FLUX(lm) | 8429.8 | Voltage(V) | 220.1 |
| RATED VOLTAGE (V) | 220 | EFFICIENCY (lm/W) | 132.8 | Current(A) | 0.295 |
| NOMINAL FLUX(lm) | 8429.9 | η up (%) | 0.0 | Power(W) | 63.47 |
| LAMPS QUANTITY | 1 | η down (%) | 100.0 | Power Factor (PF) | 0.976 |
| TEST VOLTAGE (V) | 220.1 | Effective Flux(lm) | 8429.9 | EEL | 0.113 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



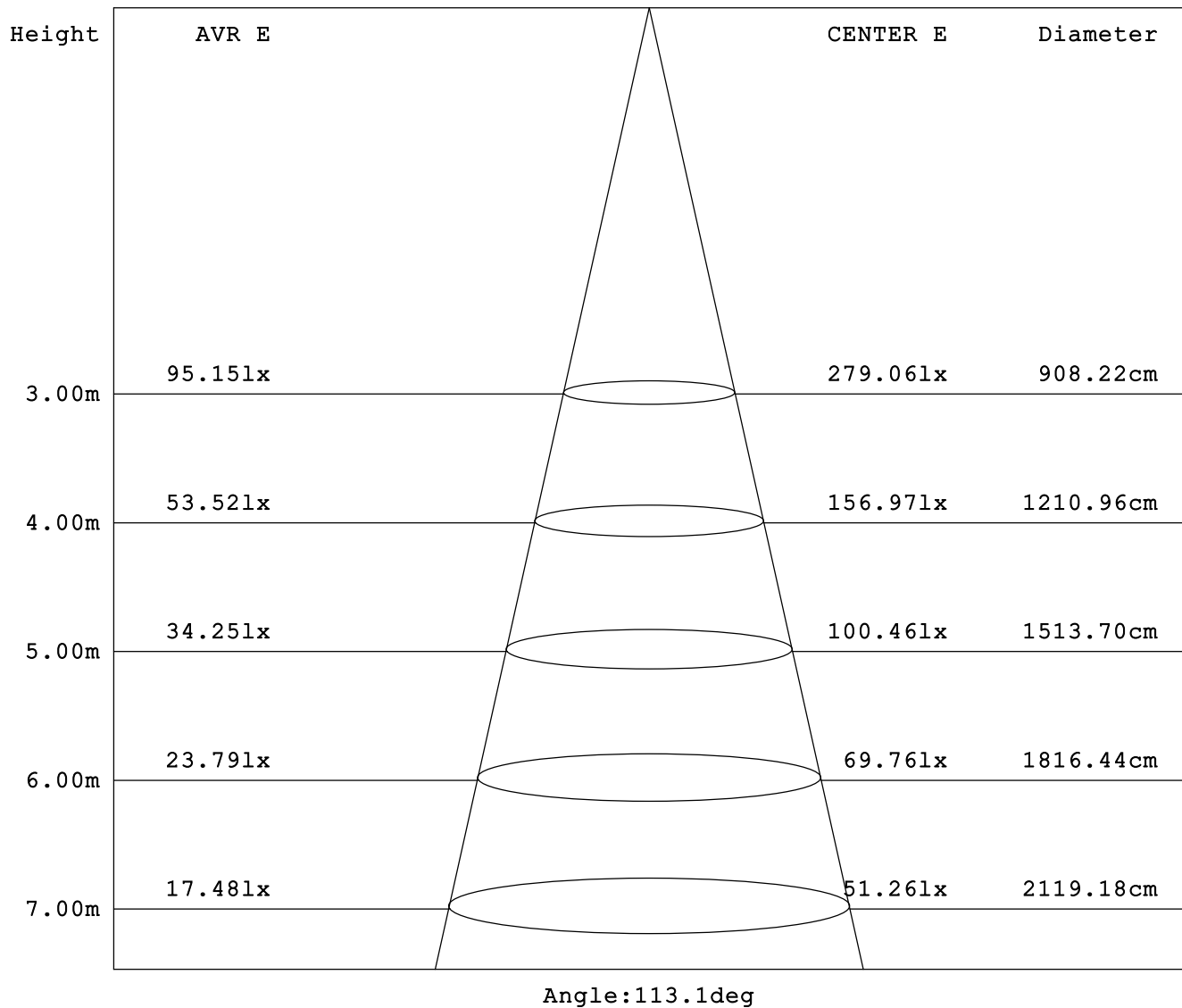
Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2025.07.18

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

AVERAGE AND CENTER E Figure

Report number:

| | | |
|----------------------------------|---------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Agnes B | TYPE: IL-PO29B-N0652C-TY3 | WEIGHT: |
| SPECIFICATION: 2835LED、4000K、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、4000K、TY3 | DIMENSION: | SERIAL No.: |

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Zone | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 5.0 | 2526 | 2643 | 2662 | 2575 | 2466 | 2337 | 2296 | 2405 | 0- 5 | 59.52 | 59.52 |
| 10.0 | 2580 | 2782 | 2788 | 2655 | 2447 | 2203 | 2069 | 2318 | 5- 10 | 177.7 | 237.3 |
| 15.0 | 2644 | 2889 | 2883 | 2719 | 2442 | 2030 | 1845 | 2224 | 10- 15 | 292.8 | 530.1 |
| 20.0 | 2702 | 2969 | 2932 | 2761 | 2439 | 1871 | 1582 | 2146 | 15- 20 | 402.0 | 932.1 |
| 25.0 | 2740 | 3010 | 2954 | 2788 | 2446 | 1725 | 1423 | 2005 | 20- 25 | 503.6 | 1436 |
| 30.0 | 2772 | 3028 | 2965 | 2783 | 2439 | 1583 | 1308 | 1829 | 25- 30 | 597.1 | 2033 |
| 35.0 | 2809 | 3028 | 2954 | 2767 | 2424 | 1446 | 1159 | 1645 | 30- 35 | 680.5 | 2713 |
| 40.0 | 2846 | 3022 | 2895 | 2739 | 2417 | 1299 | 1085 | 1415 | 35- 40 | 751.2 | 3465 |
| 45.0 | 2878 | 2982 | 2519 | 2680 | 2423 | 1109 | 1008 | 1174 | 40- 45 | 803.5 | 4268 |
| 50.0 | 2848 | 2897 | 2323 | 2590 | 2412 | 991.9 | 871.1 | 1008 | 45- 50 | 826.9 | 5095 |
| 55.0 | 2713 | 2489 | 2026 | 2221 | 2335 | 873.2 | 789.1 | 819.4 | 50- 55 | 821.6 | 5917 |
| 60.0 | 2457 | 2187 | 1500 | 2002 | 2159 | 701.1 | 654.9 | 609.0 | 55- 60 | 770.3 | 6687 |
| 65.0 | 2266 | 1655 | 995.5 | 1667 | 1973 | 576.3 | 548.0 | 436.1 | 60- 65 | 671.3 | 7359 |
| 70.0 | 1504 | 1104 | 483.3 | 1237 | 1753 | 426.3 | 355.5 | 210.0 | 65- 70 | 519.0 | 7878 |
| 75.0 | 814.3 | 395.4 | 164.5 | 644.7 | 950.9 | 266.9 | 144.1 | 85.88 | 70- 75 | 335.8 | 8214 |
| 80.0 | 211.5 | 90.62 | 82.35 | 199.4 | 190.8 | 72.39 | 68.37 | 31.39 | 75- 80 | 156.4 | 8370 |
| 85.0 | 26.86 | 34.21 | 29.07 | 70.38 | 36.88 | 19.95 | 17.52 | 5.626 | 80- 85 | 48.96 | 8419 |
| 90.0 | 11.30 | 11.70 | 5.774 | 22.60 | 14.47 | 6.109 | 9.826 | 6.712 | 85- 90 | 10.94 | 8430 |
| 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

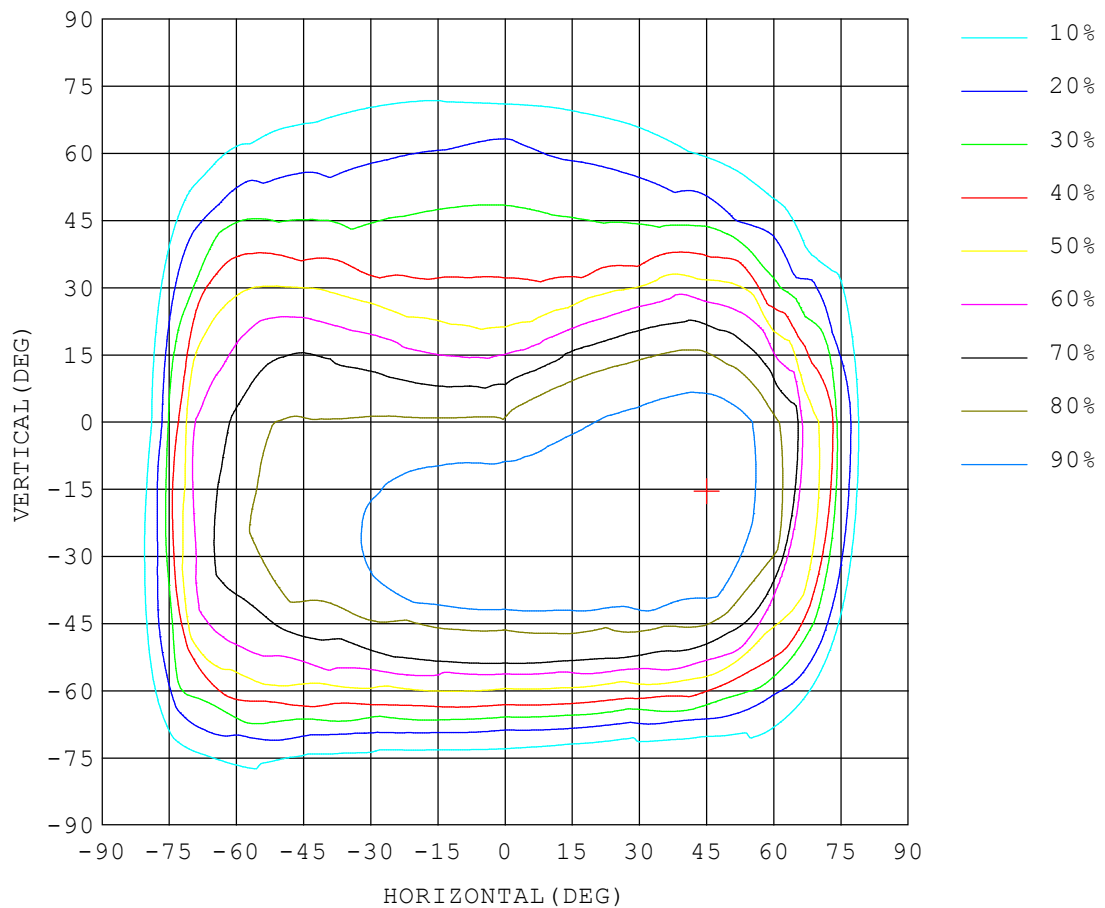
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

| | | |
|----------------------------------|---------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Agnes B | TYPE: IL-PO29B-N0652C-TY3 | WEIGHT: |
| SPECIFICATION: 2835LED、4000K、TY3 | DIMENSION: | SERIAL No.: |

UNIT: cd



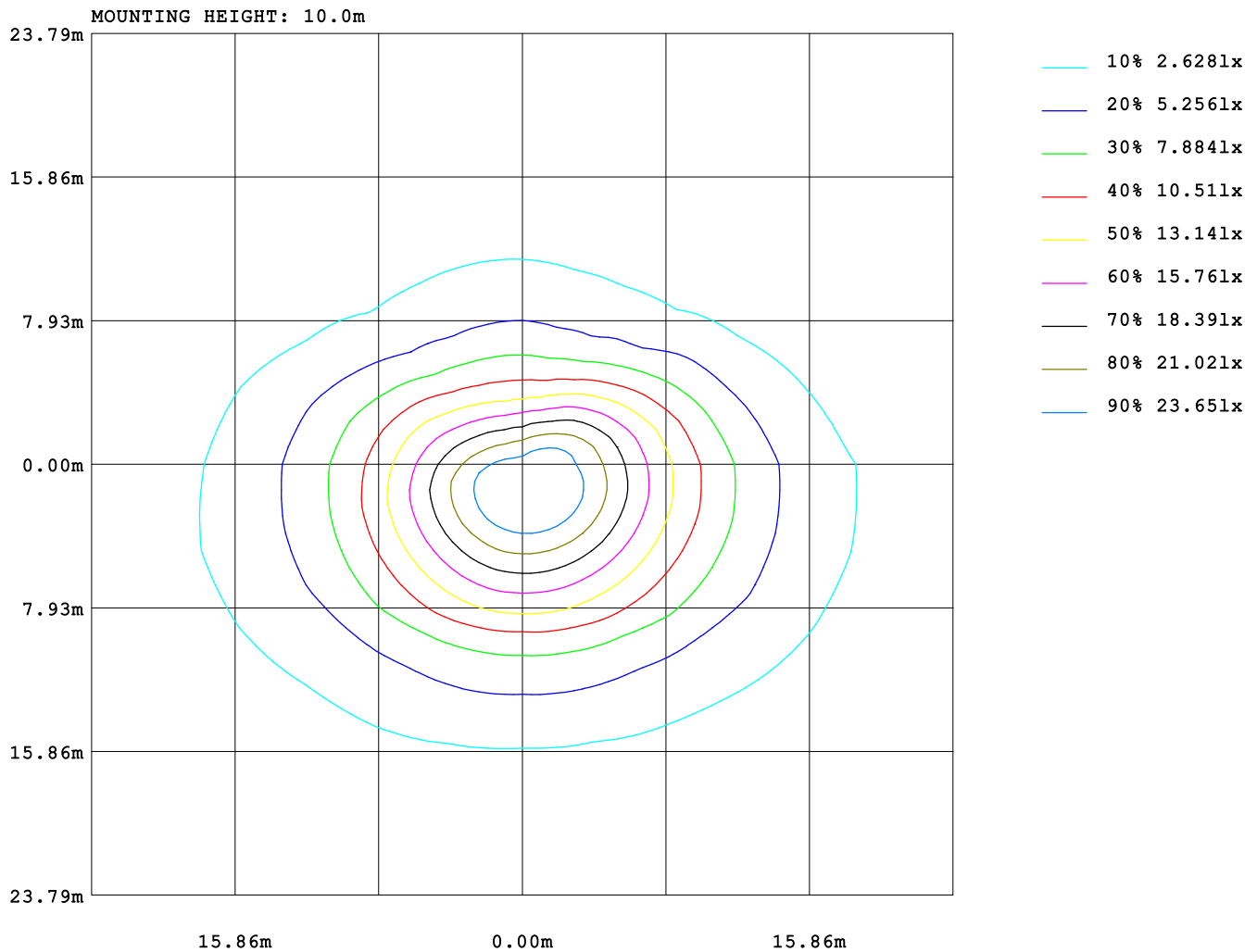
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025.07.18

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、4000K、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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

| | | |
|---|----------------------------------|--------------------|
| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Agnes B | TYPE: IL-PO29B-N0652C-TY3 | WEIGHT: |
| SPECIFICATION: 2835LED、4000K、TY3 | DIMENSION: | SERIAL No.: |

UNIT: cd

| C (DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 |
| 5.0 | 2526 | 2570 | 2611 | 2643 | 2663 | 2671 | 2662 | 2641 | 2611 | 2575 | 2533 | 2493 | 2466 | 2421 | 2373 |
| 10.0 | 2580 | 2666 | 2730 | 2782 | 2800 | 2811 | 2788 | 2758 | 2706 | 2655 | 2583 | 2509 | 2447 | 2351 | 2250 |
| 15.0 | 2644 | 2755 | 2835 | 2889 | 2911 | 2916 | 2883 | 2845 | 2786 | 2719 | 2626 | 2530 | 2442 | 2298 | 2149 |
| 20.0 | 2702 | 2829 | 2917 | 2969 | 2976 | 2971 | 2932 | 2901 | 2838 | 2761 | 2660 | 2552 | 2439 | 2264 | 2048 |
| 25.0 | 2740 | 2888 | 2970 | 3010 | 2997 | 2993 | 2954 | 2929 | 2848 | 2788 | 2681 | 2567 | 2446 | 2239 | 1966 |
| 30.0 | 2772 | 2928 | 2993 | 3028 | 3009 | 3001 | 2965 | 2942 | 2861 | 2783 | 2679 | 2575 | 2439 | 2213 | 1930 |
| 35.0 | 2809 | 2958 | 3002 | 3028 | 3002 | 2999 | 2954 | 2938 | 2854 | 2767 | 2665 | 2569 | 2424 | 2190 | 1844 |
| 40.0 | 2846 | 2992 | 3013 | 3022 | 2969 | 2958 | 2895 | 2888 | 2816 | 2739 | 2638 | 2553 | 2417 | 2160 | 1736 |
| 45.0 | 2878 | 3023 | 3015 | 2982 | 2858 | 2630 | 2519 | 2555 | 2677 | 2680 | 2601 | 2507 | 2423 | 2148 | 1615 |
| 50.0 | 2848 | 3020 | 2997 | 2897 | 2467 | 2403 | 2323 | 2356 | 2338 | 2590 | 2547 | 2467 | 2412 | 2076 | 1475 |
| 55.0 | 2713 | 2886 | 2898 | 2489 | 2254 | 2112 | 2026 | 2110 | 2187 | 2221 | 2469 | 2428 | 2335 | 1943 | 1242 |
| 60.0 | 2457 | 2630 | 2629 | 2187 | 1731 | 1565 | 1500 | 1607 | 1776 | 2002 | 2328 | 2350 | 2159 | 1733 | 1043 |
| 65.0 | 2266 | 2414 | 2094 | 1655 | 1237 | 1056 | 996 | 1138 | 1310 | 1667 | 1982 | 2199 | 1973 | 1470 | 835 |
| 70.0 | 1504 | 1662 | 1327 | 1104 | 607 | 495 | 483 | 613 | 782 | 1237 | 1708 | 2010 | 1753 | 1082 | 597 |
| 75.0 | 814 | 940 | 716 | 395 | 170 | 165 | 165 | 227 | 313 | 645 | 1211 | 1745 | 951 | 595 | 312 |
| 80.0 | 212 | 228 | 155 | 90.6 | 72.4 | 88.1 | 82.3 | 106 | 113 | 199 | 553 | 1003 | 191 | 117 | 96.8 |
| 85.0 | 26.8 | 38.4 | 22.7 | 34.2 | 23.1 | 36.3 | 29.0 | 46.9 | 45.0 | 70.3 | 93.0 | 257 | 36.8 | 20.1 | 29.7 |
| 90.0 | 11.3 | 14.1 | 6.15 | 11.7 | 5.29 | 11.1 | 5.77 | 12.9 | 10.4 | 22.6 | 20.5 | 30.8 | 14.4 | 7.51 | 12.2 |

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:

| | | |
|---|----------------------------------|--------------------|
| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Agnes B | TYPE: IL-PO29B-N0652C-TY3 | WEIGHT: |
| SPECIFICATION: 2835LED、4000K、TY3 | DIMENSION: | SERIAL No.: |

UNIT: cd

| C (DEG) γ (DEG) | 225 | 240 | 255 | 270 | 285 | 300 | 315 | 330 | 345 |
|--------------------|------|------|------|------|------|------|------|------|------|
| 0.0 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 | 2490 |
| 5.0 | 2337 | 2307 | 2294 | 2296 | 2320 | 2359 | 2405 | 2452 | 2499 |
| 10.0 | 2203 | 2101 | 2094 | 2069 | 2156 | 2216 | 2318 | 2422 | 2516 |
| 15.0 | 2030 | 1913 | 1838 | 1845 | 1915 | 2043 | 2224 | 2390 | 2535 |
| 20.0 | 1871 | 1702 | 1596 | 1582 | 1671 | 1877 | 2146 | 2351 | 2536 |
| 25.0 | 1725 | 1535 | 1449 | 1423 | 1450 | 1669 | 2005 | 2298 | 2536 |
| 30.0 | 1583 | 1397 | 1340 | 1308 | 1304 | 1461 | 1829 | 2222 | 2525 |
| 35.0 | 1446 | 1255 | 1179 | 1159 | 1133 | 1251 | 1645 | 2122 | 2523 |
| 40.0 | 1299 | 1109 | 1095 | 1085 | 1043 | 1088 | 1415 | 1999 | 2494 |
| 45.0 | 1109 | 1018 | 1017 | 1008 | 958 | 978 | 1174 | 1840 | 2406 |
| 50.0 | 992 | 925 | 898 | 871 | 819 | 862 | 1008 | 1577 | 2216 |
| 55.0 | 873 | 776 | 781 | 789 | 722 | 711 | 819 | 1254 | 1965 |
| 60.0 | 701 | 674 | 658 | 655 | 597 | 590 | 609 | 949 | 1611 |
| 65.0 | 576 | 552 | 567 | 548 | 480 | 464 | 436 | 502 | 933 |
| 70.0 | 426 | 418 | 394 | 356 | 313 | 272 | 210 | 305 | 459 |
| 75.0 | 267 | 226 | 156 | 144 | 116 | 119 | 85.8 | 91.6 | 93.7 |
| 80.0 | 72.3 | 87.7 | 65.2 | 68.3 | 48.1 | 50.6 | 31.3 | 36.0 | 21.9 |
| 85.0 | 19.9 | 26.4 | 12.3 | 17.5 | 7.76 | 13.8 | 5.62 | 13.1 | 6.07 |
| 90.0 | 6.10 | 10.3 | 5.30 | 9.82 | 5.54 | 10.0 | 6.71 | 11.8 | 7.91 |

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: