

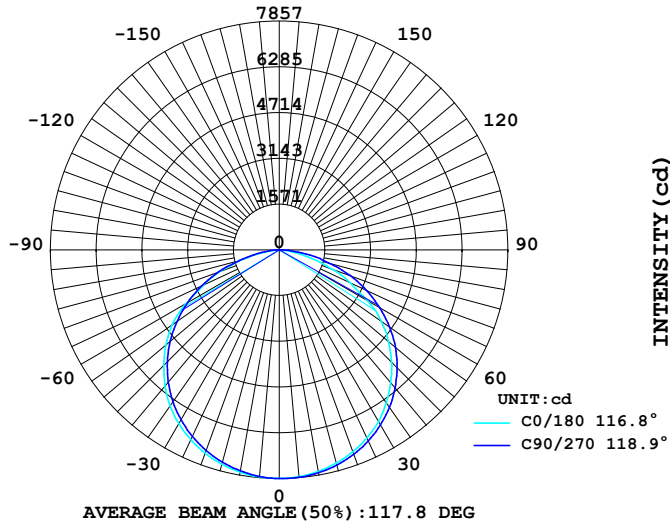
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

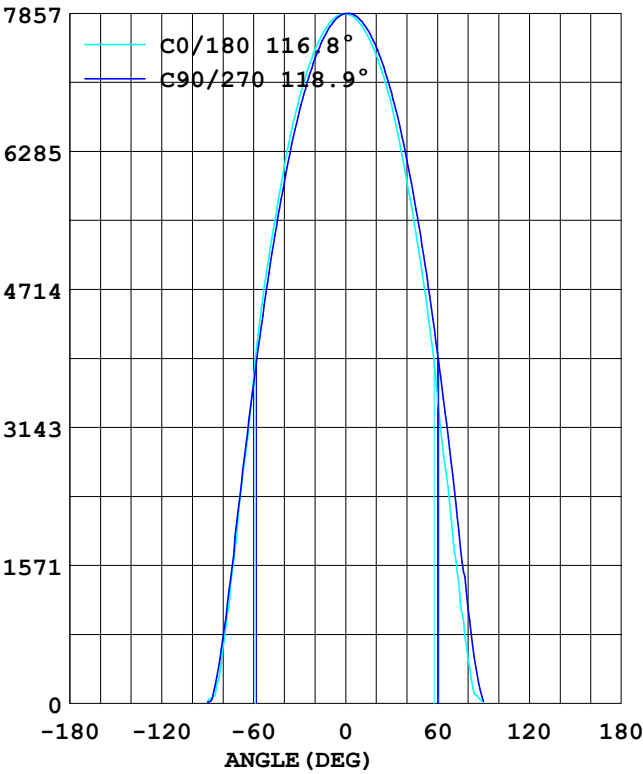
| | | |
|-------------------------------------|--------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Matilda | TYPE: IL-HB23-N15040-110 | WEIGHT: |
| SPECIFICATION: 2835LED、4000K、110deg | DIMENSION: | SERIAL No.: |

| | | | | | |
|-------------------|---------|--------------------|---------|-------------------|-------|
| DATA OF LAMP | | Imax(cd) | 7857 | S/MH (C0/180) | 1.31 |
| MODEL | | EFFICIENCY (%) | 100.0 | S/MH (C90/270) | 1.28 |
| NOMINAL POWER(W) | 150 | TOTAL FLUX(lm) | 23249 | Voltage(V) | 230.6 |
| RATED VOLTAGE (V) | 230 | EFFICIENCY (lm/W) | 154.7 | Current(A) | 0.667 |
| NOMINAL FLUX(lm) | 23249.0 | η up (%) | 0.0 | Power(W) | 150.3 |
| LAMPS QUANTITY | 1 | η down (%) | 100.0 | Power Factor (PF) | 0.976 |
| TEST VOLTAGE (V) | 230.6 | Effective Flux(lm) | 23249.0 | EEI | 0.088 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024.11.25

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

Color Temperature Data List

Report number:

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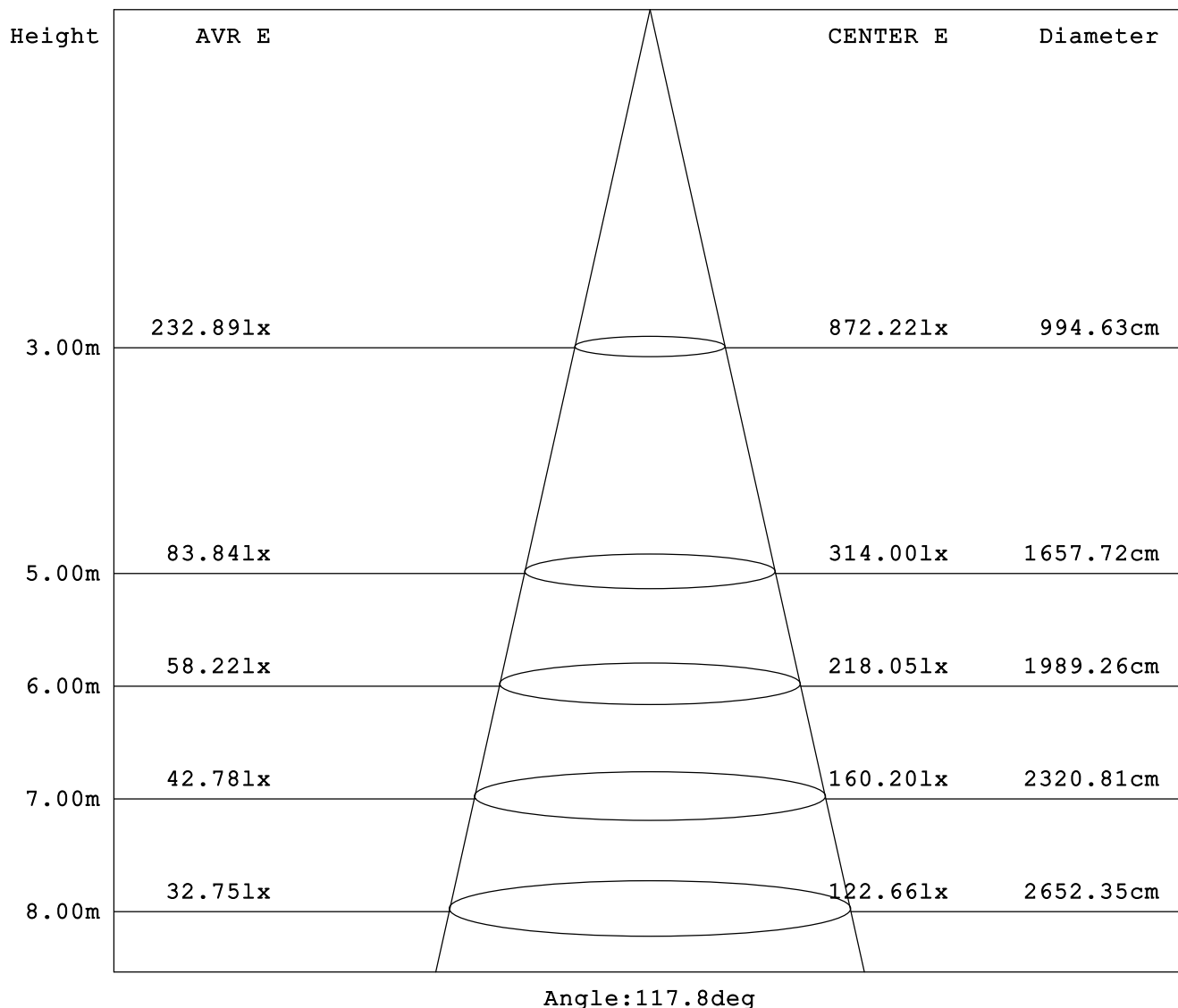
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Operators:
Test Date:2024.11.25

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AVERAGE AND CENTER E Figure

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Test System:
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Operators:
Test Date:2024.11.25

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Test Distance:10.000 m
Remarks:

ZONAL FLUX DIAGRAM

Report number:

| | | |
|-------------------------------------|--------------------------|-------------|
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| NAME: Matilda | TYPE: IL-HB23-N15040-110 | WEIGHT: |
| SPECIFICATION: 2835LED、4000K、110deg | DIMENSION: | SERIAL No.: |

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Zone | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 5.0 | 7829 | 7823 | 7811 | 7813 | 7817 | 7819 | 7842 | 7837 | 0- 5 | 187.3 | 187.3 |
| 10.0 | 7755 | 7741 | 7708 | 7716 | 7728 | 7732 | 7776 | 7767 | 5- 10 | 556.7 | 744.1 |
| 15.0 | 7623 | 7606 | 7548 | 7563 | 7581 | 7591 | 7653 | 7644 | 10- 15 | 909.9 | 1654 |
| 20.0 | 7435 | 7412 | 7339 | 7358 | 7384 | 7399 | 7475 | 7462 | 15- 20 | 1237 | 2891 |
| 25.0 | 7197 | 7161 | 7070 | 7094 | 7128 | 7146 | 7244 | 7223 | 20- 25 | 1528 | 4419 |
| 30.0 | 6898 | 6861 | 6744 | 6773 | 6814 | 6836 | 6950 | 6934 | 25- 30 | 1773 | 6192 |
| 35.0 | 6540 | 6498 | 6371 | 6404 | 6408 | 6477 | 6603 | 6581 | 30- 35 | 1964 | 8156 |
| 40.0 | 6111 | 6077 | 5932 | 5957 | 5953 | 6051 | 6198 | 6180 | 35- 40 | 2093 | 10249 |
| 45.0 | 5611 | 5605 | 5437 | 5440 | 5458 | 5540 | 5733 | 5709 | 40- 45 | 2152 | 12401 |
| 50.0 | 5078 | 5060 | 4899 | 4887 | 4904 | 4995 | 5209 | 5168 | 45- 50 | 2140 | 14541 |
| 55.0 | 4496 | 4457 | 4292 | 4285 | 4284 | 4401 | 4640 | 4578 | 50- 55 | 2056 | 16598 |
| 60.0 | 3714 | 3810 | 3635 | 3620 | 3494 | 3734 | 4000 | 3936 | 55- 60 | 1890 | 18487 |
| 65.0 | 2869 | 3106 | 2947 | 2901 | 2708 | 3053 | 3314 | 3244 | 60- 65 | 1640 | 20128 |
| 70.0 | 2144 | 2222 | 2212 | 2007 | 1914 | 2178 | 2602 | 2367 | 65- 70 | 1330 | 21457 |
| 75.0 | 1338 | 1490 | 1416 | 1250 | 1132 | 1488 | 1774 | 1634 | 70- 75 | 949.4 | 22407 |
| 80.0 | 634.2 | 692.3 | 745.3 | 565.3 | 496.1 | 676.1 | 1072 | 817.6 | 75- 80 | 568.0 | 22975 |
| 85.0 | 89.79 | 155.8 | 209.8 | 62.95 | 96.73 | 114.6 | 418.0 | 200.2 | 80- 85 | 230.3 | 23205 |
| 90.0 | 21.97 | 23.98 | 17.63 | 13.42 | 21.00 | 17.63 | 23.92 | 40.26 | 85- 90 | 43.85 | 23249 |
| 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 | |

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Remarks:

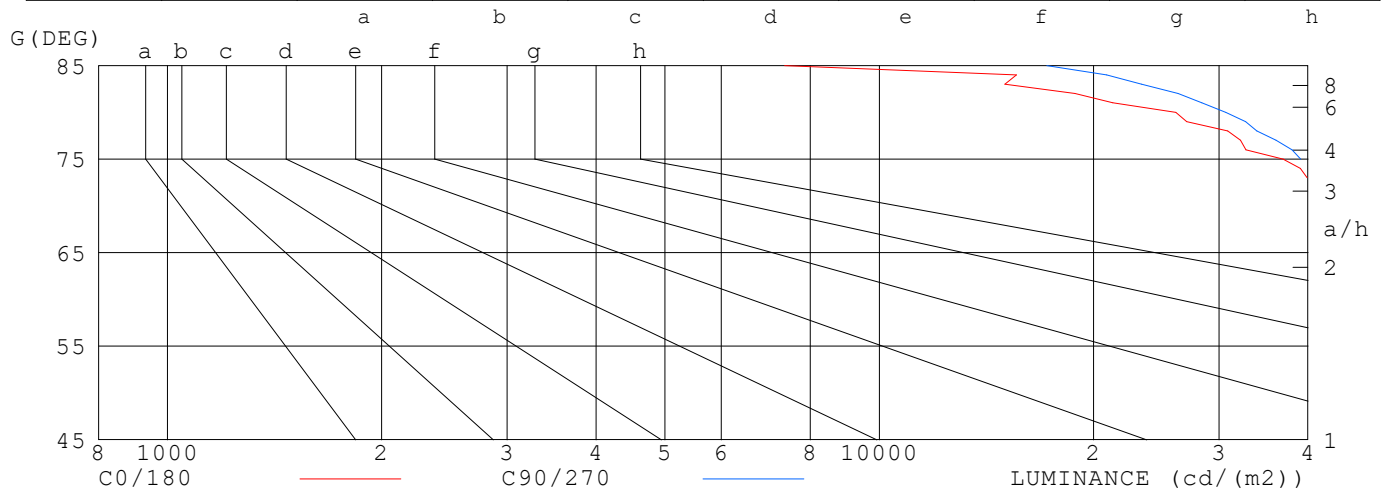
LUMINANCE LIMITATION CURVES

Report number:

| | | |
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| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Matilda | TYPE: IL-HB23-N15040-110 | WEIGHT: |
| SPECIFICATION: 2835LED、4000K、110deg | DIMENSION: | SERIAL No.: |

LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 7360 | 17195 |
| 80 | 26089 | 30660 |
| 75 | 36925 | 39082 |
| 70 | 44786 | 46194 |
| 65 | 48494 | 49814 |
| 60 | 53051 | 51925 |
| 55 | 55994 | 53453 |
| 50 | 56427 | 54440 |
| 45 | 56680 | 54923 |

Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024.11.25

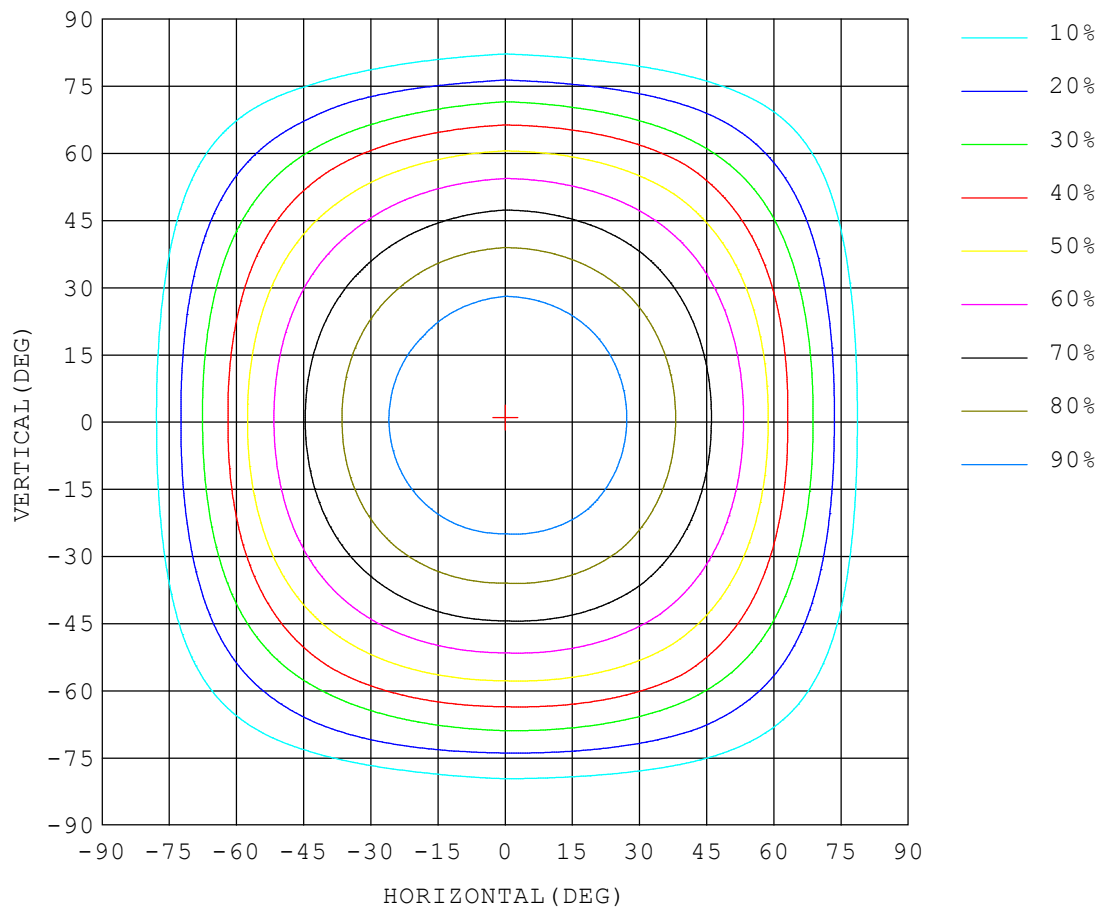
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ISOCANDELA DIAGRAM

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UNIT: cd



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