

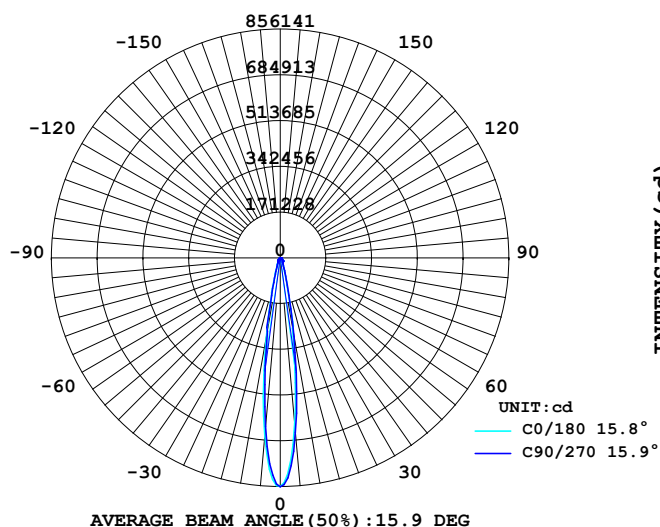
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

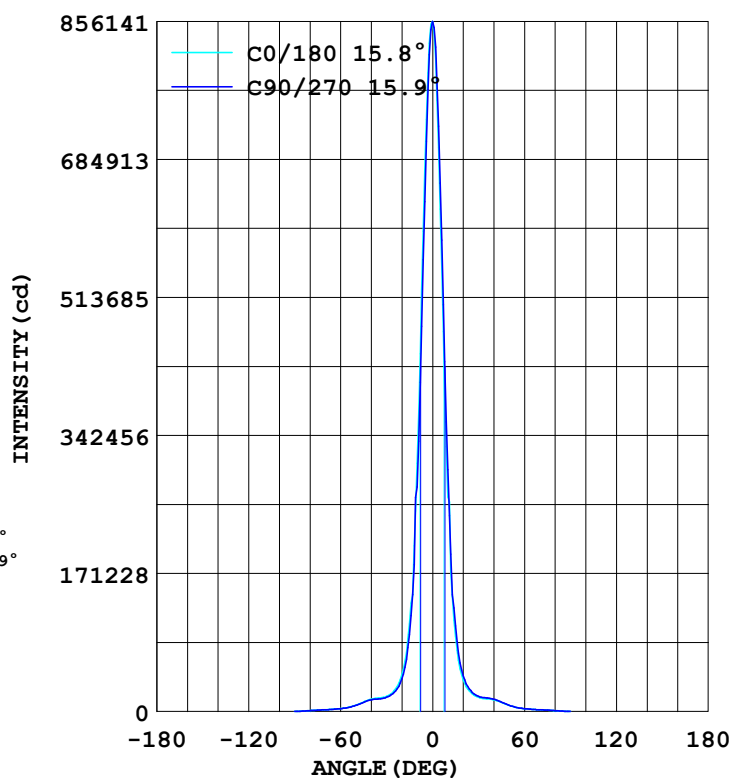
|                                  |                          |             |
|----------------------------------|--------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH        | Address:                 |             |
| NAME: Draxler                    | TYPE: IL-SL14-L100040-15 | WEIGHT:     |
| SPECIFICATION: 3535LED 4000K 15° | DIMENSION:               | SERIAL No.: |

|                   |          |                    |          |                   |       |
|-------------------|----------|--------------------|----------|-------------------|-------|
| DATA OF LAMP      |          | Imax(cd)           | 856141   | S/MH (C0/180)     | 0.28  |
| MODEL             |          | EFFICIENCY (%)     | 100.0    | S/MH (C90/270)    | 0.27  |
| NOMINAL POWER(W)  | 1000     | TOTAL FLUX(lm)     | 121190   | Voltage(V)        | 229.3 |
| RATED VOLTAGE (V) | 230      | EFFICIENCY (lm/W)  | 120.9    | Current(A)        | 4.392 |
| NOMINAL FLUX(lm)  | 121190.0 | $\eta$ up (%)      | 0.0      | Power(W)          | 1002  |
| LAMPS QUANTITY    | 1        | $\eta$ down (%)    | 100.0    | Power Factor (PF) | 0.995 |
| TEST VOLTAGE (V)  | 229.4    | Effective Flux(lm) | 121190.1 | EEL               | 0.124 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



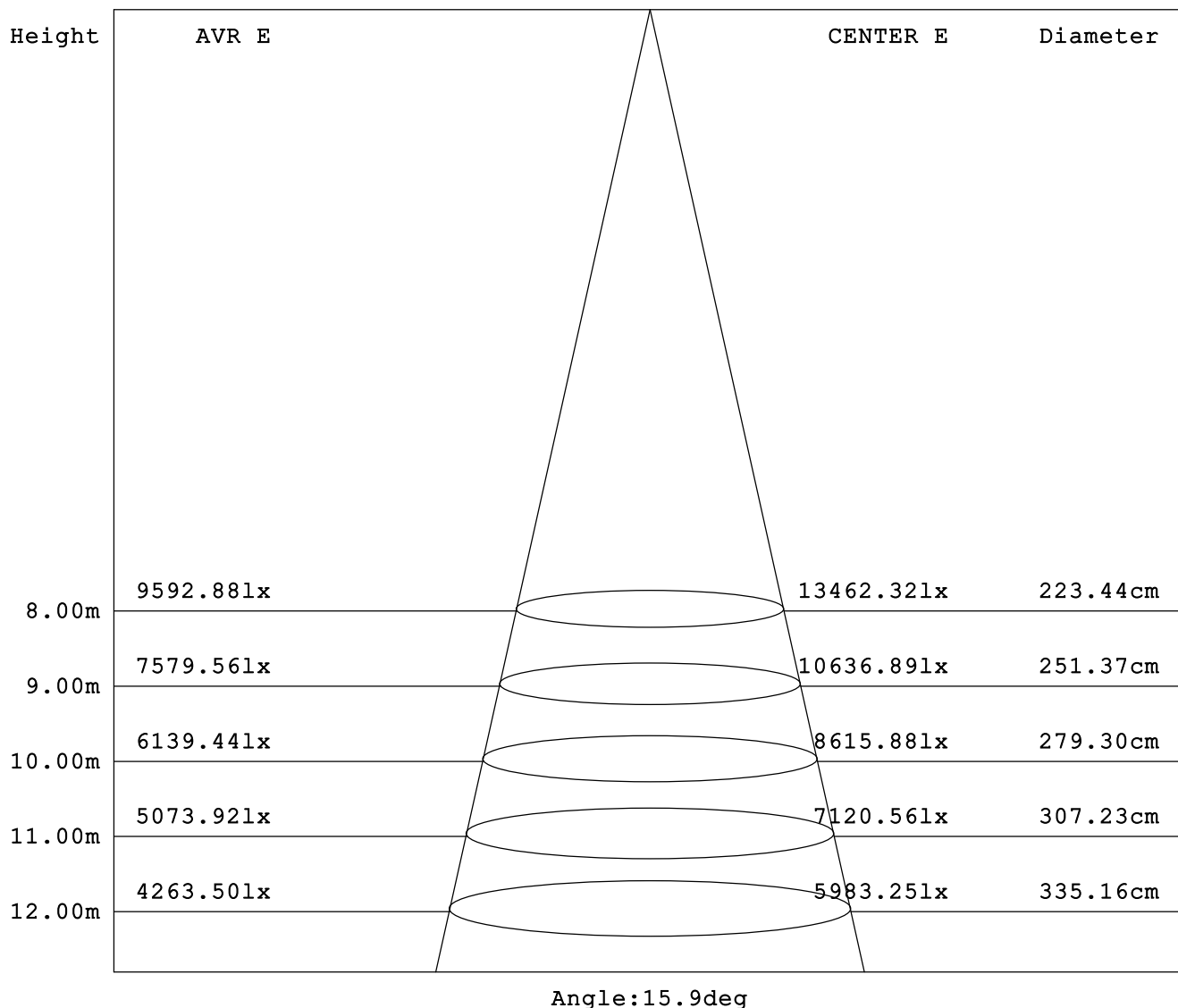
Test System:  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2022.06.30

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: Draxler                   | TYPE:IL-SL14-L100040-15 | WEIGHT:     |
| SPECIFICATION:3535LED 4000K 15° | DIMENSION:              | SERIAL No.: |



Test System:  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022.06.30

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: Draxler                    | TYPE: IL-SL14-L100040-15 | WEIGHT:     |
| SPECIFICATION: 3535LED 4000K 15° | DIMENSION:               | SERIAL No.: |

| γ     | C0                        | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Zone    | total  |
|-------|---------------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|--------|
| 5.0   | 6723                      | 6590  | 6325  | 6342  | 6234  | 6307  | 6552  | 6600  | 0- 5    | 17880   | 17880  |
| 10.0  | 3078                      | 2973  | 2785  | 2770  | 2663  | 2760  | 3000  | 3033  | 5- 10   | 31558   | 49438  |
| 15.0  | 1085                      | 1033  | 955.9 | 945.9 | 936.5 | 972.6 | 1062  | 1093  | 10- 15  | 20662   | 70101  |
| 20.0  | 453.5                     | 431.3 | 403.5 | 398.6 | 393.0 | 409.0 | 441.5 | 451.9 | 15- 20  | 10661   | 80761  |
| 25.0  | 259.1                     | 248.4 | 236.9 | 233.9 | 234.3 | 242.9 | 258.7 | 260.8 | 20- 25  | 6649    | 87411  |
| 30.0  | 186.7                     | 179.9 | 174.8 | 172.8 | 176.0 | 180.2 | 187.6 | 190.1 | 25- 30  | 5274    | 92685  |
| 35.0  | 166.8                     | 160.9 | 155.7 | 154.4 | 157.7 | 163.0 | 168.7 | 169.6 | 30- 35  | 4976    | 97661  |
| 40.0  | 153.3                     | 149.2 | 145.4 | 143.5 | 145.7 | 149.1 | 154.2 | 153.8 | 35- 40  | 5233    | 102893 |
| 45.0  | 118.3                     | 116.3 | 113.7 | 111.7 | 113.5 | 113.8 | 117.0 | 117.1 | 40- 45  | 4937    | 107830 |
| 50.0  | 79.39                     | 77.78 | 76.68 | 74.76 | 75.86 | 74.56 | 77.10 | 76.63 | 45- 50  | 3830    | 111660 |
| 55.0  | 51.82                     | 50.72 | 50.02 | 48.85 | 48.97 | 48.82 | 50.95 | 50.03 | 50- 55  | 2696    | 114357 |
| 60.0  | 35.87                     | 35.44 | 34.91 | 34.44 | 35.04 | 34.53 | 35.49 | 35.02 | 55- 60  | 1920    | 116277 |
| 65.0  | 28.30                     | 27.85 | 27.72 | 26.94 | 27.53 | 26.73 | 27.79 | 27.09 | 60- 65  | 1513    | 117790 |
| 70.0  | 22.21                     | 20.98 | 21.53 | 19.95 | 21.63 | 19.96 | 21.94 | 20.32 | 65- 70  | 1201    | 118990 |
| 75.0  | 16.82                     | 15.67 | 16.78 | 15.00 | 16.44 | 14.85 | 16.96 | 15.28 | 70- 75  | 954.7   | 119945 |
| 80.0  | 11.34                     | 10.30 | 10.80 | 9.810 | 10.27 | 9.468 | 10.76 | 9.968 | 75- 80  | 700.2   | 120645 |
| 85.0  | 5.352                     | 4.554 | 4.770 | 4.274 | 4.413 | 4.032 | 4.900 | 4.379 | 80- 85  | 393.3   | 121039 |
| 90.0  | 1.866                     | 1.511 | 1.528 | 1.359 | 1.339 | 1.216 | 1.545 | 1.393 | 85- 90  | 151.2   | 121190 |
| 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:×100cd |       |       |       |       |       |       |       |         | UNIT:lm |        |

Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2022.06.30

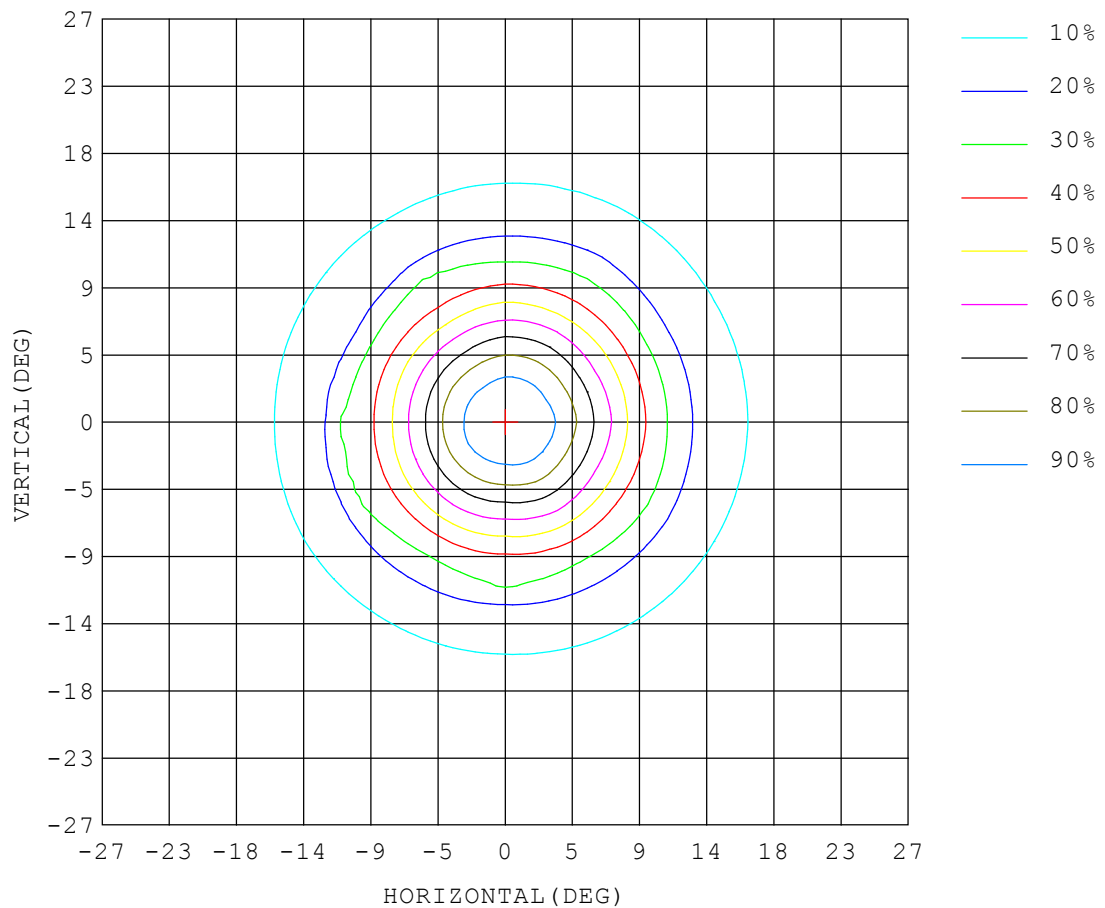
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

## ISOCANDELA DIAGRAM

Report number:

|                                  |                          |             |
|----------------------------------|--------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH        | Address:                 |             |
| NAME: Draxler                    | TYPE: IL-SL14-L100040-15 | WEIGHT:     |
| SPECIFICATION: 3535LED 4000K 15° | DIMENSION:               | SERIAL No.: |

UNIT: cd



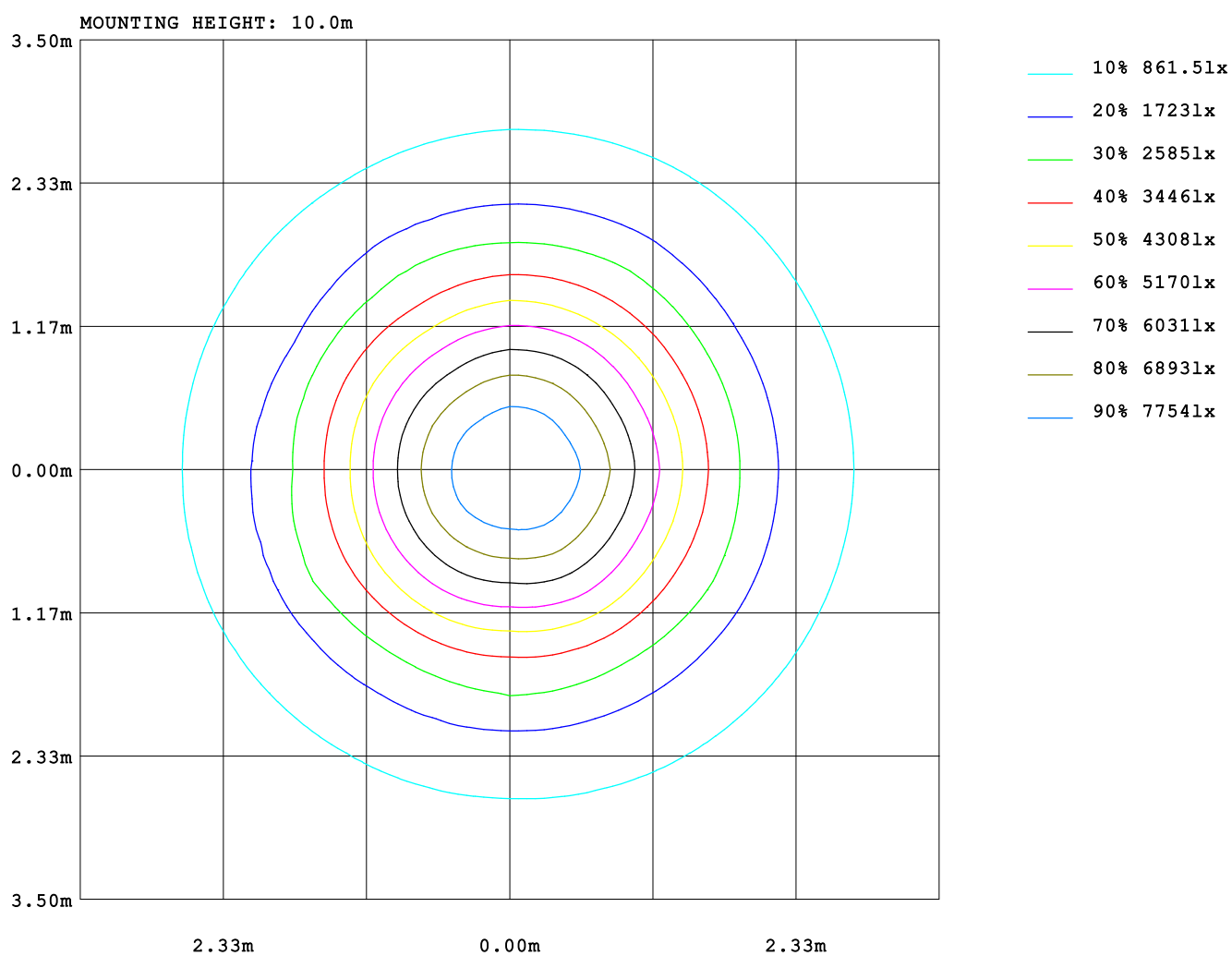
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2022.06.30

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: Draxler                    | TYPE: IL-SL14-L100040-15 | WEIGHT:     |
| SPECIFICATION: 3535LED 4000K 15° | DIMENSION:               | SERIAL No.: |



Test System:  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022.06.30

Test Set: 5.0deg/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: Draxler</b>                   | <b>TYPE:IL-SL14-L100040-15</b> | <b>WEIGHT:</b>     |
| <b>SPECIFICATION:3535LED 4000K 15°</b> | <b>DIMENSION:</b>              | <b>SERIAL No.:</b> |

UNIT: ×100cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0                | 8561 | 8561 | 8561 | 8561 | 8561 | 8561 | 8561 | 8561 | 8561 | 8561 | 8561 | 8561 |
| 5.0                | 6723 | 6566 | 6615 | 6325 | 6375 | 6309 | 6234 | 6289 | 6325 | 6552 | 6609 | 6591 |
| 10.0               | 3078 | 2998 | 2947 | 2785 | 2761 | 2779 | 2663 | 2763 | 2756 | 3000 | 3014 | 3052 |
| 15.0               | 1085 | 1050 | 1015 | 956  | 939  | 953  | 937  | 955  | 990  | 1062 | 1102 | 1084 |
| 20.0               | 454  | 439  | 423  | 404  | 395  | 402  | 393  | 401  | 417  | 442  | 455  | 449  |
| 25.0               | 259  | 252  | 245  | 237  | 232  | 236  | 234  | 240  | 246  | 259  | 260  | 261  |
| 30.0               | 187  | 183  | 177  | 175  | 172  | 174  | 176  | 176  | 184  | 188  | 192  | 189  |
| 35.0               | 167  | 163  | 159  | 156  | 154  | 155  | 158  | 161  | 165  | 169  | 170  | 169  |
| 40.0               | 153  | 150  | 148  | 145  | 143  | 144  | 146  | 148  | 150  | 154  | 154  | 154  |
| 45.0               | 118  | 117  | 115  | 114  | 111  | 112  | 114  | 113  | 115  | 117  | 118  | 116  |
| 50.0               | 79.3 | 78.1 | 77.3 | 76.6 | 74.6 | 74.8 | 75.8 | 73.9 | 75.1 | 77.1 | 77.0 | 76.2 |
| 55.0               | 51.8 | 51.0 | 50.3 | 50.0 | 49.0 | 48.6 | 48.9 | 48.7 | 48.8 | 50.9 | 50.1 | 49.9 |
| 60.0               | 35.8 | 35.3 | 35.4 | 34.9 | 34.4 | 34.4 | 35.0 | 34.4 | 34.6 | 35.4 | 35.1 | 34.9 |
| 65.0               | 28.3 | 27.8 | 27.8 | 27.7 | 26.9 | 26.9 | 27.5 | 26.6 | 26.8 | 27.7 | 27.3 | 26.8 |
| 70.0               | 22.2 | 21.5 | 20.4 | 21.5 | 20.0 | 19.8 | 21.6 | 19.7 | 20.1 | 21.9 | 20.7 | 19.9 |
| 75.0               | 16.8 | 15.9 | 15.4 | 16.7 | 15.2 | 14.7 | 16.4 | 14.8 | 14.8 | 16.9 | 15.4 | 15.1 |
| 80.0               | 11.3 | 10.4 | 10.1 | 10.8 | 9.87 | 9.74 | 10.2 | 9.38 | 9.54 | 10.7 | 10.0 | 9.87 |
| 85.0               | 5.35 | 4.44 | 4.66 | 4.77 | 4.32 | 4.21 | 4.41 | 4.11 | 3.94 | 4.90 | 4.26 | 4.48 |
| 90.0               | 1.86 | 1.44 | 1.58 | 1.52 | 1.38 | 1.33 | 1.33 | 1.23 | 1.19 | 1.54 | 1.33 | 1.45 |

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 Temperature:25.3DEG  
 Operators:  
 Test Date:2022.06.30

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