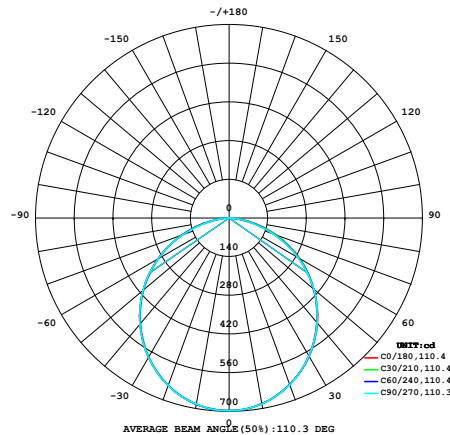


LAMP PHOTOMETRIC REPORT

|                                     |               |                       |
|-------------------------------------|---------------|-----------------------|
| MODEL: 99LED963                     |               |                       |
| POWER: 24W                          | VOLTAGE: 230V | WORKING VOLTAGE: 230V |
| MANUFACTURER: Elmark Industries JSC |               |                       |

TOTAL FLUX: 1929.0 lm



| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %    |
|----------|-----------------------|-------|-------|-------|-------|--------|--------|--------|----------|-------------|--------------|------|
| 10       | 683.1                 | 682.6 | 682.7 | 683.3 | 684.1 | 684.8  | 684.9  | 684.2  | 0- 10    | 65.92       | 65.92        | 3.42 |
| 20       | 642.4                 | 641.4 | 641.6 | 642.7 | 644.4 | 645.6  | 645.9  | 644.5  | 10- 20   | 188.1       | 254.0        | 13.2 |
| 30       | 579.0                 | 577.4 | 577.4 | 578.9 | 581.4 | 583.1  | 583.5  | 581.7  | 20- 30   | 283.1       | 537.1        | 27.8 |
| 40       | 497.3                 | 495.3 | 495.1 | 496.7 | 499.7 | 502.0  | 502.5  | 500.5  | 30- 40   | 338.7       | 875.8        | 45.4 |
| 50       | 401.7                 | 399.3 | 398.8 | 400.5 | 403.8 | 406.5  | 407.2  | 405.2  | 40- 50   | 348.8       | 1225         | 63.5 |
| 60       | 295.5                 | 292.3 | 289.4 | 292.8 | 297.0 | 299.5  | 299.0  | 298.8  | 50- 60   | 313.2       | 1538         | 79.7 |
| 70       | 182.6                 | 176.3 | 170.8 | 176.4 | 183.2 | 183.3  | 180.5  | 183.2  | 60- 70   | 235.5       | 1773         | 91.9 |
| 80       | 71.59                 | 64.35 | 57.25 | 64.19 | 71.15 | 68.92  | 65.44  | 69.33  | 70- 80   | 128.7       | 1902         | 98.6 |
| 90       | 1.987                 | 1.073 | 1.016 | 1.078 | 1.239 | 0.9339 | 0.8937 | 0.9232 | 80- 90   | 27.03       | 1929         | 100  |
| 100      |                       |       |       |       |       |        |        |        | 90-100   |             |              |      |
| 110      |                       |       |       |       |       |        |        |        | 100-110  |             |              |      |
| 120      |                       |       |       |       |       |        |        |        | 110-120  |             |              |      |
| 130      |                       |       |       |       |       |        |        |        | 120-130  |             |              |      |
| 140      |                       |       |       |       |       |        |        |        | 130-140  |             |              |      |
| 150      |                       |       |       |       |       |        |        |        | 140-150  |             |              |      |
| 160      |                       |       |       |       |       |        |        |        | 150-160  |             |              |      |
| 170      |                       |       |       |       |       |        |        |        | 160-170  |             |              |      |
| 180      |                       |       |       |       |       |        |        |        | 170-180  |             |              |      |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |        |        |        |          | UNIT:lm     |              |      |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:12 August 2022

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

```