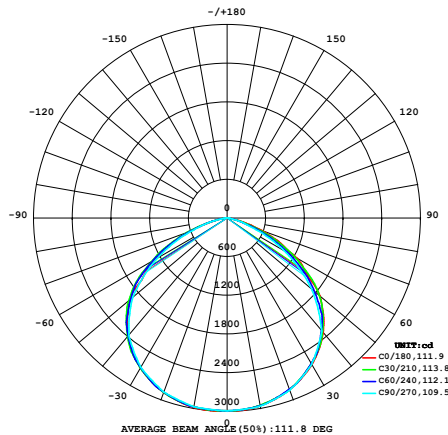


LAMP PHOTOMETRIC REPORT

| | | |
|-------------------------------------|---------------|-----------------------|
| MODEL: 98Helios150 | | |
| POWER: 150W | VOLTAGE: 230V | WORKING VOLTAGE: 230V |
| MANUFACTURER: Elmark Industries JSC | | |

TOTAL FLUX: 8197.1 lm



| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | % |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------|
| 10 | 2960 | 2950 | 2965 | 2965 | 2981 | 2973 | 2971 | 2958 | 0- 10 | 284.2 | 284.2 | 3.47 |
| 20 | 2834 | 2823 | 2842 | 2852 | 2877 | 2874 | 2872 | 2843 | 10- 20 | 824.1 | 1108 | 13.5 |
| 30 | 2627 | 2613 | 2623 | 2655 | 2686 | 2691 | 2676 | 2645 | 20- 30 | 1273 | 2382 | 29.1 |
| 40 | 2318 | 2305 | 2286 | 2353 | 2387 | 2407 | 2373 | 2355 | 30- 40 | 1569 | 3951 | 48.2 |
| 50 | 1881 | 1858 | 1710 | 1911 | 1959 | 1999 | 1912 | 1944 | 40- 50 | 1640 | 5591 | 68.2 |
| 60 | 1259 | 1199 | 1029 | 1237 | 1324 | 1418 | 1252 | 1367 | 50- 60 | 1402 | 6993 | 85.3 |
| 70 | 588.3 | 464.3 | 356.4 | 488.6 | 625.4 | 650.0 | 565.9 | 618.4 | 60- 70 | 878.3 | 7871 | 96 |
| 80 | 83.64 | 74.10 | 34.41 | 77.32 | 89.33 | 131.2 | 66.00 | 122.2 | 70- 80 | 303.9 | 8175 | 99.7 |
| 90 | 3.239 | 0 | 0 | 0 | 3.678 | 0 | 0 | 0 | 80- 90 | 21.93 | 8197 | 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 | | |

H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:01 July 2022

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.265m [K=1.0000]
 Remarks:

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:
```

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:
```